

Agency Reference #:

Date Received:

Circulated by:

(local govt. or agency)

JOINT AQUATIC RESOURCES PERMIT APPLICATION FORM (JARPA)

(for use in Washington State)

**PLEASE TYPE OR PRINT IN BLACK INK.****TO FILL IN ELECTRONICALLY, USE F11 TO MOVE THROUGH THE FORM**

- ☐ Application for a Fish Habitat Enhancement Project per requirements of RCW 77.55.290. You must submit a copy of this completed JARPA application form and the (Fish Habitat Enhancement JARPA Addition) to your local Government Planning Department and Washington Department of Fish & Wildlife Area Habitat Biologist on the same day.

NOTE: LOCAL GOVERNMENTS – You must submit any comments on these projects to WDFW within 15 working days.

Based on the instructions provided, I am sending copies of this application to the following: (check all that apply)

- ☒ Local Government for shoreline: ☒ Substantial Development ☐ Conditional Use ☐ Variance ☐ Exemption ☐ Revision
☒ Floodplain Management ☒ Critical Areas Ordinance
- ☒ Washington Department of Fish and Wildlife for HPA (Submit 3 copies to WDFW Region)
☒ Washington Department of Ecology for 401 Water Quality Certification (to Regional Office-Federal Permit Unit)
☐ Washington Department of Natural Resources for Aquatic Resources Use Authorization Notification
- ☒ Corps of Engineers for: ☒ Section 404 ☐ Section 10 permit
☐ Coast Guard for: ☐ General Bridge Act Permit ☐ Private Aids to Navigation (for non-bridge projects)
☐ For Department of Transportation projects only: This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementing Agreement

SECTION A – Use for all permits covered by this application. Be sure to ALSO complete Section C (Signature Block) for all permit applications.

1. APPLICANT

Jerome Ryan, Clear Valley Environmental Farm, LLC

MAILING ADDRESS

9 Teaberry Lane, Tiburon, California 94920

WORK PHONE

(415) 435-3734

E-MAIL ADDRESS

jerome_ryan@yahoo.com

HOME PHONE

(415) 435-3734

FAX #

(415) 435-3653

If an agent is acting for the applicant during the permit process, complete #2. Be sure agent signs Section C (Signature Block) for all permit applications

2. AUTHORIZED AGENT**MAILING ADDRESS****WORK PHONE****E-MAIL ADDRESS****HOME PHONE****FAX #****3. Relationship of applicant to property:**☒ OWNER☐ PURCHASER☐ LESSEE☐ _____**4. Name, address and phone number of property owner(s) if other than applicant:****5. Location (street address, including city, county and zip code, where proposed activity exists or will occur)**

The Skagit Environmental Bank site is located 1.5 miles northeast of the urban center of Mount Vernon, Washington, just outside the Mount Vernon city limits. The site is bounded by State Route (SR) 538 on the south, SR 9 and Babcock Road on the east, and Swan Road on the north. Nookachamps Creek bounds the western portion of the site. Site entrances are proposed off Babcock Road and Highway 9, Mount Vernon, Skagit County, 98273.

Local government with jurisdiction (city or county): Skagit County

Waterbody you are working in: Nookachamps Creek, East Fork Nookachamps Creek, Mud (Lake) Creek

Is this waterbody on the 303(d) List** YES ☒ NO ☐

If YES, what parameter(s)? Fecal Coliform, Temperature

**For 303d List,

<http://www.ecy.wa.gov/programs/wq/303d/index.html>

Tributary of:

Skagit River

WRIA #: 03-0227, 03-0230,
03-0229

Shoreline designation: Rural (Nookachamps Creek, East Fork Nookachamps Creek)

Zoning designation

Agriculture-NRL

¼ Section NW NE SE SW	Section 14 15 10 11	Township 34 N	Range 4E	Government Lot	DNR stream type if known: Type S – Nookachamps and East Fork Nookachamps Type F – Mud Creek
Latitude and Longitude: 48° 26' 44.90" N, 122° 16' 14.17 W				Tax Parcel Numbers: P24443, P24498, P24490, P24491, P24492, P24493, P24494, P24495, P24496, P24497, P24498, P24512, P24530, P24531, P24532, P24533, P24535, P24692, P24694, P24695, P24696, P24697, P24730, P24731, P24733, P24743, P24801, P24804, P24805, P24806, P24890, P109225, and P109241.	
<p>6. Describe the current use of the property, and structures existing on the property. Have you completed any portion of the proposed activity on this property? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>For any portion of the proposed activity already completed on this property, indicate month and year of completion.</p> <p>The 374-acre Skagit Environmental Bank project site is currently used for agricultural crop production (corn and hay) and pasture land. The south half of the site has overhead power lines that traverse the site in the east-west direction. In addition, the south half of the site has an underground water line that traverses the site in the northwest-southwest direction. The site includes one bridge over Nookachamps Creek and one bridge over East Fork Nookachamps Creek.</p> <p>Is the property agricultural land? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are you a USDA program participant? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>					
<p>7a. Describe the proposed work that needs aquatic permits: Complete plans and specifications should be provided for <u>all</u> work waterward of the ordinary high water mark or line, including types of equipment to be used. If applying for a shoreline permit, describe <u>all</u> work within and beyond 200 feet of the ordinary high water mark. If you have provided attached materials to describe your project, you still must summarize the proposed work here. Attach a separate sheet if additional space is needed.</p> <p>The Skagit Environmental Bank project will restore stream reaches along Nookachamps Creek and East Fork Nookachamps Creek. In addition, the project will reestablish, rehabilitate, and enhance associated wetlands. The proposed project will be constructed in three phases and will rehabilitate approximately 13,000 feet (2.5 miles) of existing stream channel and riparian habitat, construct 9,720 feet (1.8 miles) of new high-flow back channels; enhance, reestablish, or rehabilitate 261 acres of emergent, scrub-shrub, and forested wetlands; and enhance 109 acres of upland areas, including buffers. Approximately 4 acres of the project site consists of water line and power line easements, which will be converted to wetland or upland habitat.</p> <p><u>Work Below Ordinary High Water Mark and Within Wetlands</u></p> <p>Most of the Skagit Environmental Bank is located within the ordinary high water mark of the Skagit River because the site floods during times of high water in the river. The extent of flooding is at approximately 37 feet above sea level.</p> <p>Phase I includes filling ditches and constructing three engineered log jams (ELJs) in Nookachamps Creek and East Fork Nookachamps Creek. The objective of Phase I is to restore the floodplain hydrology associated with these streams, resulting in restored wetland hydrology conditions. Earth disturbed during Phase I will be seeded with native grasses. Hydrologic monitoring will be conducted after the completion of Phase I to assess how the local ground water table responds to the filling of ditches and installation of ELJs.</p> <p>Phase II will include the construction of high-flow back channels off Nookachamps Creek and East Fork Nookachamps Creek and the planting of native vegetation across the project site. The following activities will occur during Phase II:</p> <ul style="list-style-type: none">• Each of the three new high-flow back channels will be approximately 1,400 to 3,800 feet long and approximately 250 feet wide. The actual channel dimensions will not be determined until the hydrologic conditions resulting from the modifications during Phase I are analyzed.• The back channels will be excavated during dry conditions, and a soil plug will be left in place at the confluence of the back channel with the existing stream channel. Excavated material will be stockpiled on the site, in a staging area.					

- Water will be introduced to the channels slowly, and turbid water will be pumped to upland sedimentation/infiltration areas before the establishment of connectivity between the high-flow channels and the existing stream channels.
- Silt booms and turbidity monitoring stations will be in place downstream of work areas when flows are introduced into the new channels.
- In disturbed areas where the hydrologic conditions are well understood and not expected to change after the channel construction, final plantings will be installed. Other disturbed areas that may require additional grading during Phase III will be seeded with native grasses, and the final plantings will be installed during Phase III.

Phase III will include final site grading that will include up to 20 percent of the project site and final planting of all areas that are not planted during Phase II.

- Minor grading will remove most of the dry soil areas that remain after Phase I and II operations. The excavation will reduce the elevation of the remaining high spots to a point where the hydrologic conditions will support wetland vegetation.
- Up to three additional high-flow back channels may be added during Phase III, depending on the results of the hydrologic analysis after the completion of Phases I and II.
- Up to five additional ELJs may be added to Nookachamps Creek and/or East Fork Nookachamps Creek, depending on results of the hydrologic analysis after completion of Phases I and II.
- It is estimated that approximately 30 percent of the site will remain as upland areas, referred to as forested "islands."
- Additional planting will occur during Phase III. The entire project site will consist of restored native revegetation at the conclusion of Phase III.

PREPARATION OF DRAWINGS: See sample drawings and guidance for completing the drawings. **ONE SET OF ORIGINAL OR GOOD QUALITY REPRODUCIBLE DRAWINGS MUST BE ATTACHED.** NOTE: Applicants are encouraged to submit photographs of the project site, but these DO NOT substitute for drawings. **THE CORPS OF ENGINEERS AND COAST GUARD REQUIRE DRAWINGS ON 8-1/2 X 11 INCH SHEETS. LARGER DRAWINGS MAY BE REQUIRED BY OTHER AGENCIES.**

7b. Describe the purpose of the proposed work and why you want or need to perform it at the site. Please explain any specific needs that have influenced the design.

The overall purpose of the Skagit Environmental Bank is to provide economically efficient and flexible mitigation opportunities, while fully compensating for wetland and other aquatic resource losses in a manner that contributes to the long-term ecological functioning of the Nookachamps Creek and East Fork Nookachamps Creek watersheds. The project will facilitate replacement of essential aquatic functions, which are anticipated to be lost through authorized activities within the bank's service area.

The Skagit Environmental Bank site was selected because it offers excellent wetland reestablishment, wetland rehabilitation, wetland enhancement, upland enhancement, and stream enhancement opportunities. The existing agricultural conditions offer degraded habitat for terrestrial wildlife and aquatic life. The project proposes to create a general-use, multi-client bank that will restore reaches of the Nookachamps Creek, East Fork Nookachamps Creek, Mud Lake Creek and associated floodplain wetlands. The project will restore riverine hydrologic processes, side-channel habitat, and associated emergent, scrub-shrub, and forested wetlands. The bank is intended to be constructed in three independent phases that will function autonomously. The project proposes to achieve the following objectives:

- **Improve Water Quality in the Lower Skagit Watershed** by increasing dissolved oxygen; by reducing sediment inputs to streams; and by reducing floodplain erosion from runoff.
- **Improve Hydrologic and other Floodplain Processes** by improving stream flow maintenance, floodplain connectivity, stormwater attenuation, and ground-water recharge; by reducing stream width-to-depth ratios; and by reducing the frequency and duration of low surface flows.
- **Improve Fish Habitat** by increasing the quality and diversity of aquatic and riparian habitat; by improving water quality; by reducing sediment runoff into the streams; by lowering water temperatures in the summer; and by providing rearing, refuge, and migration habitat for fish, amphibians, reptiles, and other aquatic dependent species.

- **Improve Wildlife and Endangered Species Critical Habitat Conditions** by improving riverine habitat for the bull trout and the bald eagle (the two listed species on the bank site) and for many other non-listed fish and wildlife; by providing additional winter roosting refuge habitat for waterfowl and other wildlife; and by enhancing the existing eagle habitat with forest cover.
- **Improve Local and Regional Wildlife Habitat Connectivity** by connecting the 374 acres comprising the bank site and the 2 miles of stream corridor that run through the bank site, with 614 acres of associated wetlands and 9.1 miles of stream corridor located outside of the bank site; and by adding a major feeding and resting stopover opportunity for migrating fish and birds.

7c. Describe the potential impacts to characteristic uses of the water body. These uses may include fish and aquatic life, water quality, water supply, recreation and aesthetics. Identify proposed actions to avoid, minimize, and mitigate detrimental impacts and provide proper protection of fish and aquatic life. Identify which guidance documents you have used. Attach a separate sheet if additional space is needed.

The objective of the project is to restore and enhance wetlands and streams. Therefore, impacts will be largely avoided. Temporary impacts are proposed to wetlands associated with filling ditches in support of raising groundwater elevations across the site. Temporary impacts also include excavation in wetlands in support of establishing ground water elevations near the ground surface. Permanent impacts to wetland are associated with proposed forested upland corridors within the site. Temporary fill impact within Nookachamps Creek and East Fork Nookachamps Creek is associated with adding gravel to the existing streambed. Temporary excavation impact is associated with installing logs at the ELJ locations.

Table 1. Impacts summary for Phase I activities at the Skagit Environmental Bank site.

Aquatic Resource	Activity	Temporary Excavation Impact		Temporary Fill Impact		Permanent Fill Impact	
		Area (acres)	Volume (cubic yards)	Area (acres)	Volume (cubic yards)	Area (acres)	Volume (cubic yards)
Wetland 1	Ditch filling	--	--	2.01	1,967	0.06	300
Wetland 2	Ditch filling	--	--	0.74	351	--	--
Wetland 3	Ditch filling	--	--	0.58	272	--	--
Wetland 4	Ditch filling	--	--	1.87	7,262	0.13	1,454
Wetland 5	Ditch filling	--	--	0.14	259	--	--
Wetland 7	Ditch filling	--	--	0.12	1,261	--	--
Total Wetland Impacts		--	--	5.46	11,372	0.19	1,754
Nookachamps Creek	Installing ELJ #1	0.02	80	0.11	711	--	--
East Fork Nookachamps Creek	Installing ELJ #2	0.02	80	0.05	233	--	--
East Fork Nookachamps Creek	Installing ELJ #3	0.02	80	0.02	133	--	--
Total Riverine Impacts		0.06	240	0.18	1,077	--	--

Table 2. Impacts summary for Phase II/III activities at the Skagit Environmental Bank site.

Aquatic Resource	Activity	Temporary Excavation Impact		Temporary Fill Impact		Permanent Fill Impact	
		Area (acres)	Volume (cubic yards)	Area (acres)	Volume (cubic yards)	Area (acres)	Volume (cubic yards)
Wetland 1	Excavation	1.86	11,322	--	--	--	--
Wetland 2	Excavation	0.83	4,662	--	--	--	--
Wetland 3	Excavation	0.17	733	--	--	--	--
Wetland 4	Excavation	2.0	6,593	--	--	--	--
Wetland 5	Excavation	0.81	6,512	--	--	--	--
Wetland 7	Excavation	7.23	34,595	--	--	--	--
Total Wetland Impacts		12.9	64,417	--	--	--	--
Yet to be determined	Installing ELJ #4	0.02	80	0.08	472	--	--
Yet to be determined	Installing ELJ #5	0.02	80	0.08	472	--	--
Yet to be determined	Installing ELJ #6	0.02	80	0.08	472	--	--
Yet to be determined	Installing ELJ #7	0.02	80	0.08	472	--	--
Yet to be determined	Installing ELJ #8	0.02	80	0.08	472	--	--
Total Riverine Impacts		0.10	400	0.40	2,360	--	--

7d. For in water construction work, will your project be in compliance with the State of Washington water quality standards for turbidity WAC 173.201A-110? ☒ YES ☐ NO (See USEFUL DEFINITIONS AND INSTRUCTIONS)

8. Will the project be constructed in stages? YES ☒ NO ☐
Proposed starting date: June 2007
Estimated duration of activity: 3 years

9. Check if any temporary or permanent structures will be placed:
☒ Waterward of the ordinary high water mark or line for fresh or tidal waters AND/OR
☐ Waterward of the mean higher high water for tidal waters?

10. Will fill material (rock, fill, bulkhead, or other material) be placed:
☒ Waterward of the ordinary high water mark or line for fresh waters?
If YES, VOLUME (cubic yards) 3,437 / AREA 0.58 (acres)
☐ Waterward of the mean higher high water for tidal waters?
If YES, VOLUME (cubic yards) / AREA (acres)

11. Will material be placed in wetlands? ☒ YES ☐ NO
If YES:
A. Impacted area in acres: 5.65
B. Has a delineation been completed? If YES, please submit with application. ☒ YES ☐ NO
C. Has a wetland report been prepared? If YES, please submit with application ☒ YES ☐ NO
D. Type and composition of fill material (e.g., sand, etc.): Native soil
E. Material source: Onsite
F. List all soil series (type of soil) located at the project site, and indicate if they are on the county's list of hydric soils. Soils information can be obtained from the natural Resources Conservation Service (NRCS). Bellingham silt loam (hydric), Nookachamps silt loam (hydric), Skipopa silt loam, Sumas silt loam (hydric), and Field silt loam.
G. WILL PROPOSED ACTIVITY CAUSE FLOODING OR DRAINING OF WETLANDS? ☒ YES ☐ NO
If YES, IMPACTED AREA IS _____ ACRES OF DRAINED WETLANDS.
NOTE: If your project will impact greater than 1/2 of an acre of wetland, submit a mitigation plan to the Corps and Ecology for approval along with the JARPA form.
NOTE: A 401 water quality certification will be required from Ecology in addition to an approved mitigation plan if your project impacts wetlands that are: a) greater than 1/2 acre in size, or b) tidal wetlands or wetlands adjacent to tidal water. Please submit the JARPA form and mitigation plan to Ecology for an individual 401 certification if a) or b) applies.

12. Stormwater Compliance for Nationwide Permits Only: This project is (or will be) designed to meet ecology's most current stormwater manual, or an Ecology approved local stormwater manual. ☐ YES ☐ NO
If YES – Which manual will your project be designed to meet? _____
If NO – For clean water act Section 401 and 404 permits only – Please submit to Ecology for approval, along with this JARPA application, documentation that demonstrates the stormwater runoff from your project or activity will comply with the water quality standards, WAC 173.201(A)

13. Will excavation or dredging be required in water or wetlands? ☒ YES ☐ NO
If YES:
A. Volume: 65,057 (cubic yards) / area 13.06 (acre)
B. Composition of material to be removed: Silt loam
C. Disposal site for excavated material: Excavated material will be retained onsite.
D. Method of dredging: Excavator

14. Has the State Environmental Policy Act (SEPA) been completed ☐ YES ☒ NO
SEPA Lead Agency: Skagit County
SEPA Decision: DNS, MDNS, EIS, Adoption, Exemption Decision Date (end of comment period)
SUBMIT A COPY OF YOUR SEPA DECISION LETTER TO WDFW AS REQUIRED FOR A COMPLETE APPLICATION

15. List other Applications, approvals or certifications from other federal, state or local agencies for any structures, construction discharges or other activities described in the application (i.e. preliminary plat approval, health district approval, building permit, SEPA review, federal energy regulatory commission license (FERC), Forest practices application, etc.). Also, indicate whether work has been completed and indicate all existing work on drawings. NOTE: For use with Corps Nationwide Permits, identify whether your project has or will need an NPDES permit for discharging wastewater and/or stormwater.

TYPE OF APPROVAL	ISSUING AGENCY	IDENTIFICATION NO.	DATE OF APPLICATION	DATE APPROVED	COMPLETED?
Section 404 permit	Corps of Engineers				
ESA compliance	USFWS, NOAA				
Section 401 WQ Certification	Ecology				
CZMA Consistency	Ecology				
NPDES permit	Ecology				
HPA	WDFW				
SEPA review	Skagit County				
Shoreline Permit	Skagit County				
Grading Permit	Skagit County				

16. Has any agency denied approval for the activity you're applying for or for any activity directly related to the activity described herein?
☐ YES ☒ NO
If YES, explain:

SECTION B - Use for Shoreline and Corps of Engineers permits only:

17a. Total cost of project. This means the fair market value of the project, including materials, labor, machine rentals, etc.

\$6,000,000

17b. If a project or any portion of a project receives funding from a federal agency, that agency is responsible for ESA consultation. Please indicate if you will receive federal funds and what federal agency is providing those funds. See instructions for information on ESA.*

FEDERAL FUNDING ☐ YES ☒ NO If YES, please list the federal agency.


18. Local government with jurisdiction: Skagit County

19. For Corps, Coast Guard and DNR permits, provide names, addresses and telephone numbers of adjoining property owners, lessees, etc. **Please note:** Shoreline Management Compliance may require additional notice – consult your local government.

NAME	ADDRESS	PHONE NUMBER
Bridge, Keith E.	26204 Hemlick Road, Sedro Woolley, WA 98284	
Coffey, Robert L.	21636 Swan Road, Mount Vernon, WA 98273	
Sloan, Michael G. and Sloan, Merrily M.	21746 Swan Road, Mount Vernon, WA 98273	
DICLRME LLC	21865 Swan Road, Mount Vernon, WA 98273	
Moore, Richard A. and Moore, Gloria A.	P.O. Box 2192, Mount Vernon, WA 98273	
Gadbois, Larry G	22416 Mud Lake Road, Mount Vernon, WA 98273	
Davis-Miller, LP	22586 Babcock Road, Mount Vernon, WA 98273	
Verdoes Dairy Co. Inc	13399 Driver Road, Anacortes WA 98221	
Day Creek Sand & Gravel LLC	PO Box 398, Clear Lake WA 98235	
Heiner, Sara Rose and Heiner, Darrell K.	13987 State Route 9, Mount Vernon, WA 98273	
Thompson, Lennard L.	13971 State Route 9, Mount Vernon, WA 98273	
Cheek, Myron M; Cheek, Linda	22747 Gunderson Road, Mount Vernon, WA 98273	
Catapult Heavy Construct. Inc.	14047 State Route 9, Mount Vernon, WA 98273	
Skagit County	1800 Continental Place, Mount Vernon, WA 98273	

SECTION C - This section MUST be completed for any permit covered by this application

20. Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed, in-progress or completed work. I agree to start work **ONLY** after all necessary permits have been received..

 SIGNATURE OF APPLICANT	DATE 6/28/06
 SIGNATURE OF AUTHORIZED AGENT	DATE

I HEREBY DESIGNATE _____ TO ACT AS MY AGENT IN MATTERS RELATED TO THIS APPLICATION FOR PERMIT(S). I UNDERSTAND THAT IF A FEDERAL PERMIT IS ISSUED, I MUST SIGN THE PERMIT.

SIGNATURE OF APPLICANT	DATE
SIGNATURE OF LANDOWNER (EXCEPT PUBLIC ENTITY LANDOWNERS, E.G. DNR)	
THIS APPLICATION <u>MUST</u> BE SIGNED BY THE APPLICANT AND THE AGENT, IF AN AUTHORIZED AGENT IS DESIGNATED.	

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

ECY 070-15 (Rev. 11/04) JARPA Contact the State of Washington Office of Regulatory Assistance for latest version or call 360/407-7037 or 800/917-0043

COMPLETED BY LOCAL OFFICIAL

- A. Nature of the existing shoreline. (Describe type of shoreline, such as marine, stream, lake, lagoon, marsh, bog, swamp, flood plain, floodway, delta; type of beach, such as accretion, erosion, high bank, low bank, or dike; material such as sand, gravel, mud, clay, rock, riprap; and extent and type of bulkheading, if any)
- B. In the event that any of the proposed buildings or structures will exceed a height of thirty-five feet above the average grade level, indicate the approximate location of and number of residential units, existing and potential, that will have an obstructed view:
- C. If the application involves a conditional use or variance, set forth in full that portion of the master program which provides that the proposed use may be a conditional use, or, in the case of a variance, from which the variance is being sought:

These Agencies are Equal Opportunity and Affirmative Action employers.
For special accommodation needs, please contact the appropriate agency in the instructions



Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PROJECT VICINITY MAP

Application for:

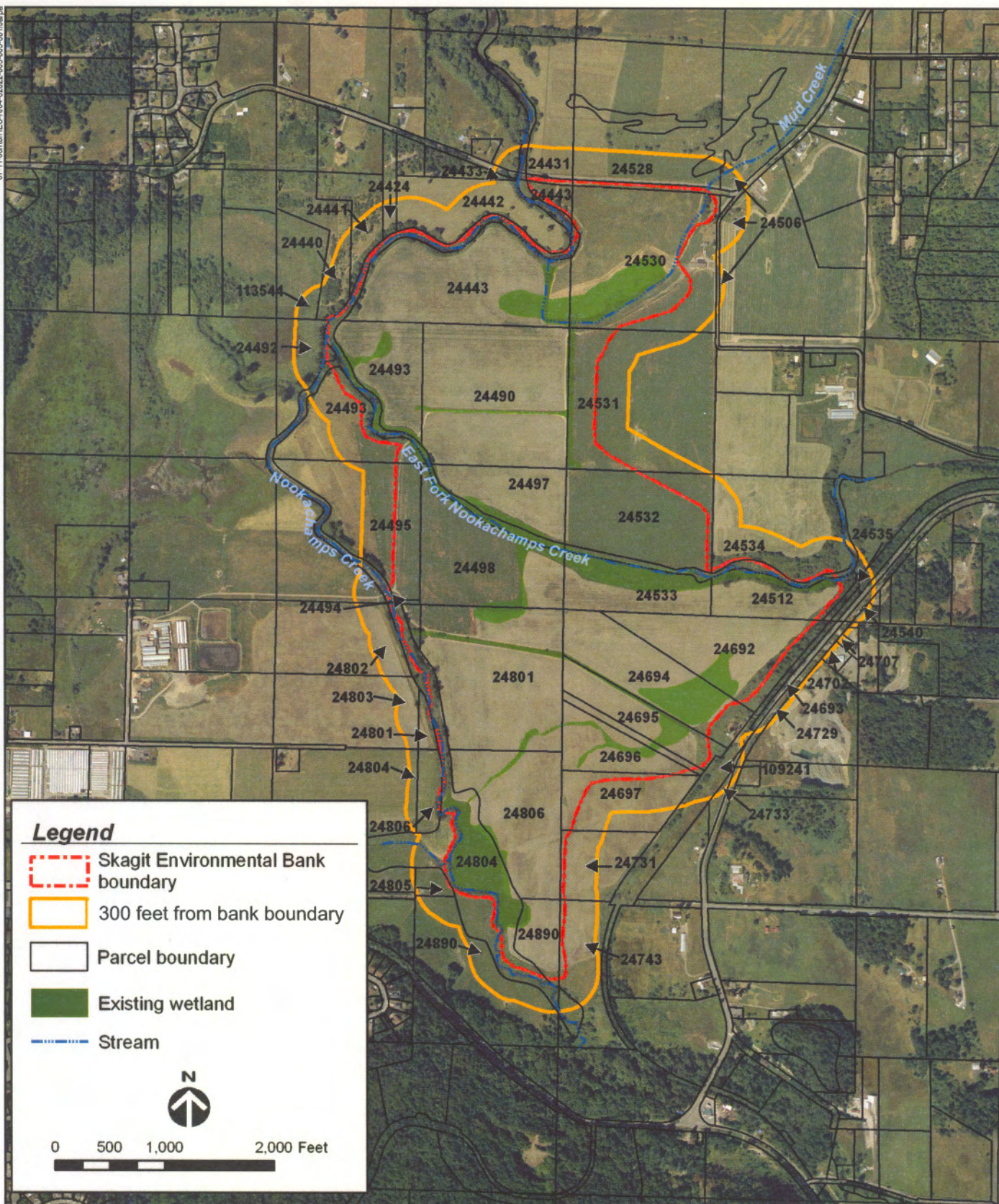
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 1 of 16



Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

HERRERA
ENVIRONMENTAL
CONSULTANTS

Date: 27 June 2006

PARCEL MAP

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 2 of 16

Parcel Numbers	Landowner	Address of Landowner
P113544, P24440	Bridge, Keith E	26204 Hemlick Rd Sedro Woolley, WA 98284
P24441	Coffey, Robert L	21636 Swan Road Mount Vernon, WA 98273
P24424, P24442	Sloan, Michael G Sloan, Merrily M	21746 Swan Road Mount Vernon WA 98273
P24431, P24433, P24528	DICLRME LLC	21865 Swan Road Mount Vernon, WA 98273
P24436	Moore, Richard A Moore, Gloria A	P.O. Box 2192 Mount Vernon, WA 98273
P104990, P24504, P24506	Gadbois, Larry G	22416 Mud Lake Road Mount Vernon, WA 98273
P24534, P115489	Davis-Miller, LP	22586 Babcock Road Mount Vernon, WA 98273
P24540	Verdoes Dairy Co. Inc.	13399 Driver Road Anacortes WA 98221
P24729, P24709, P24732	Day Creek Sand & Gravel LLC	PO Box 398 Clear Lake WA 98235
P24515	Heiner, Sara Rose Heiner, Darrell K	13987 State Route 9 Mount Vernon, WA 98273
P24514, P24513	Thompson, Lennard L	13971 State Route 9 Mount Vernon, WA 98273
P24727, P24706	Cheek, Myrn M Cheek, Linda	22747 Gunderson Road Mount Vernon, WA 98273
P24707, P24702	Catapult Heavy Construct. Inc.	14047 State Route 9 Mount Vernon, WA 98273
P24693, P24500	Skagit County	1800 Continental Place Mount Vernon, WA 98273

Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

ADJACENT PROPERTY OWNERS

Application for:

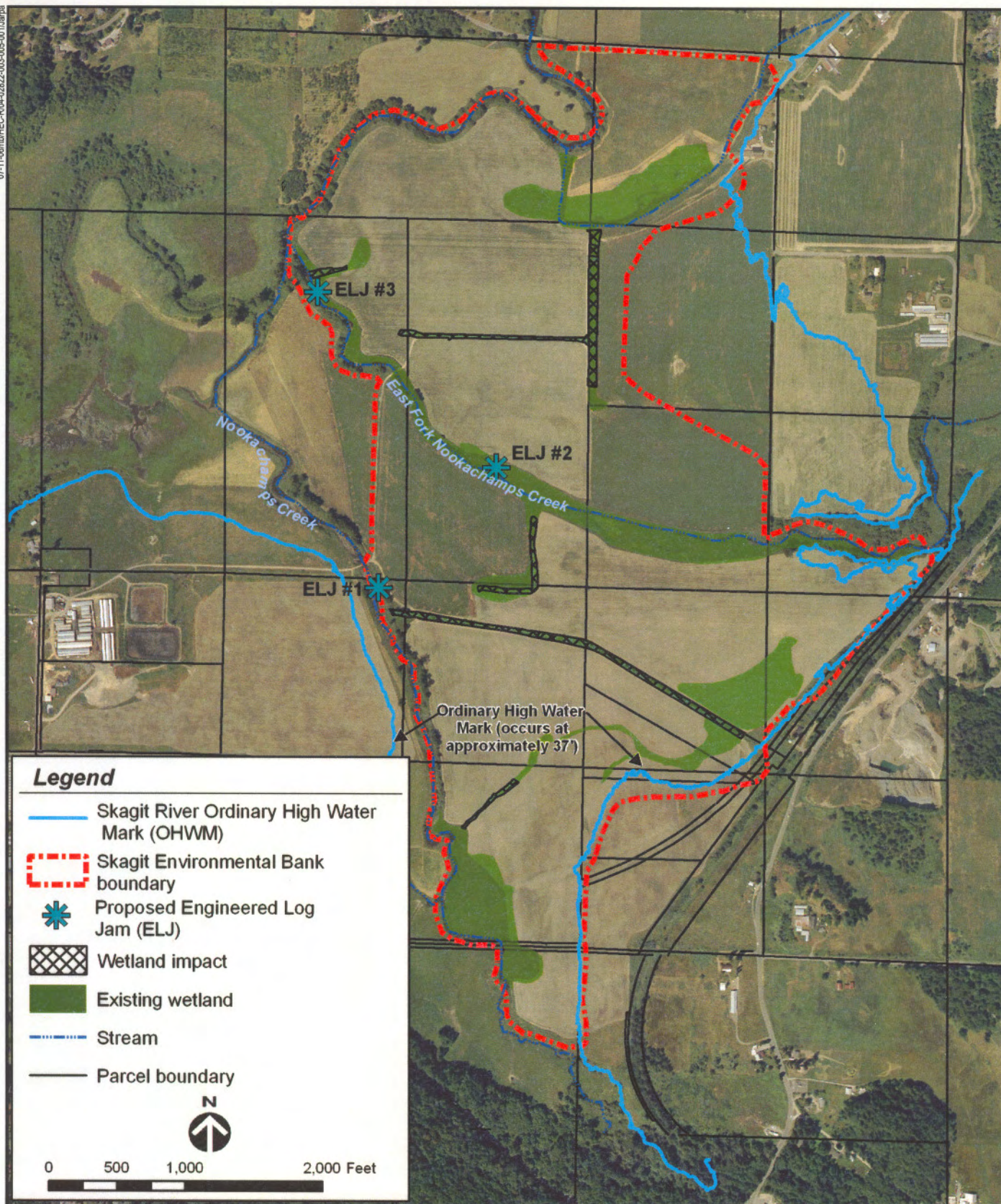
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 3 of 16



Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE I - OVERVIEW MAP

Application for:

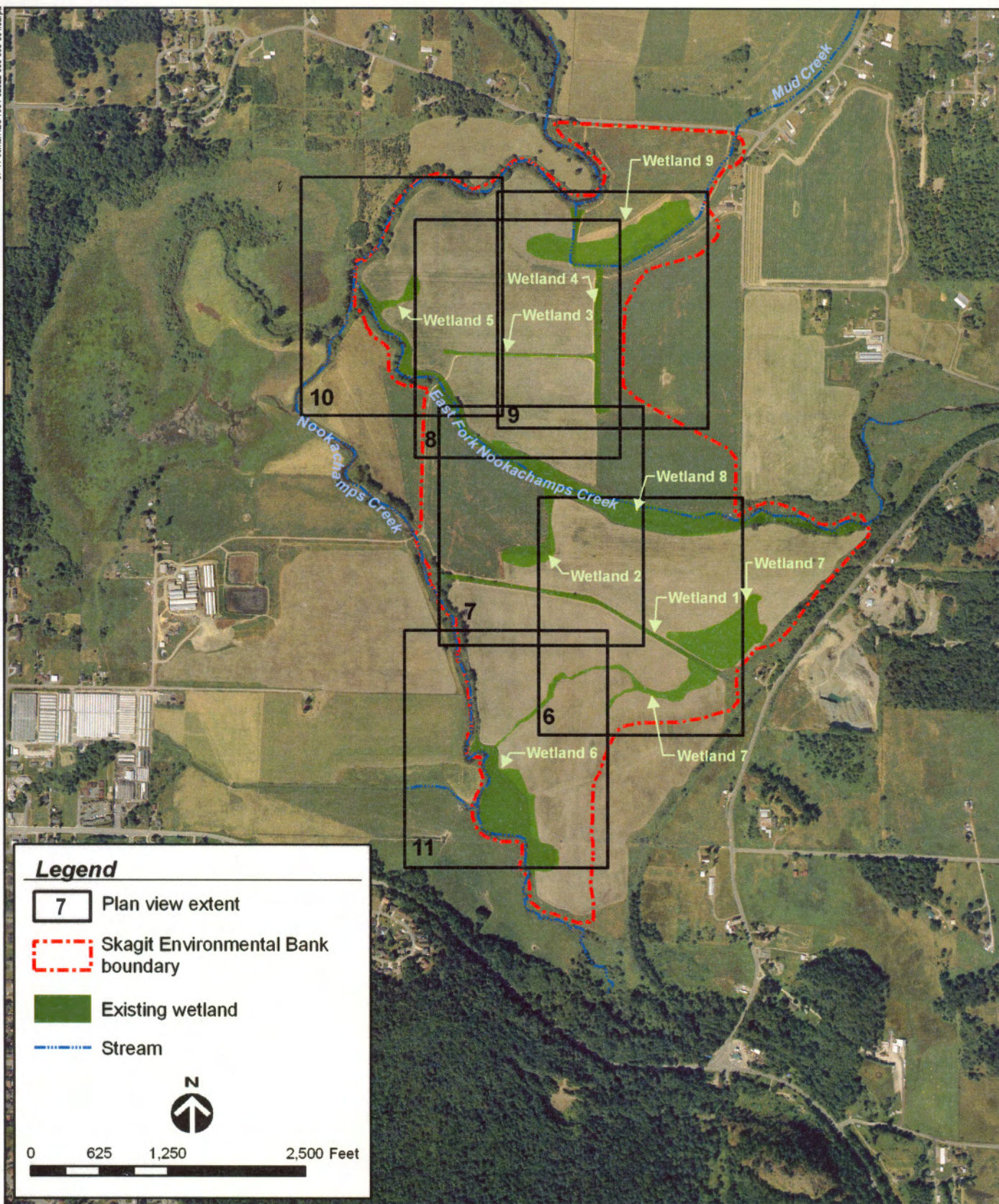
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 4 of 16



Legend



Plan view extent



Skagit Environmental Bank boundary



Existing wetland



Stream



0 625 1,250 2,500 Feet

Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE I - MAP KEY

Application for:

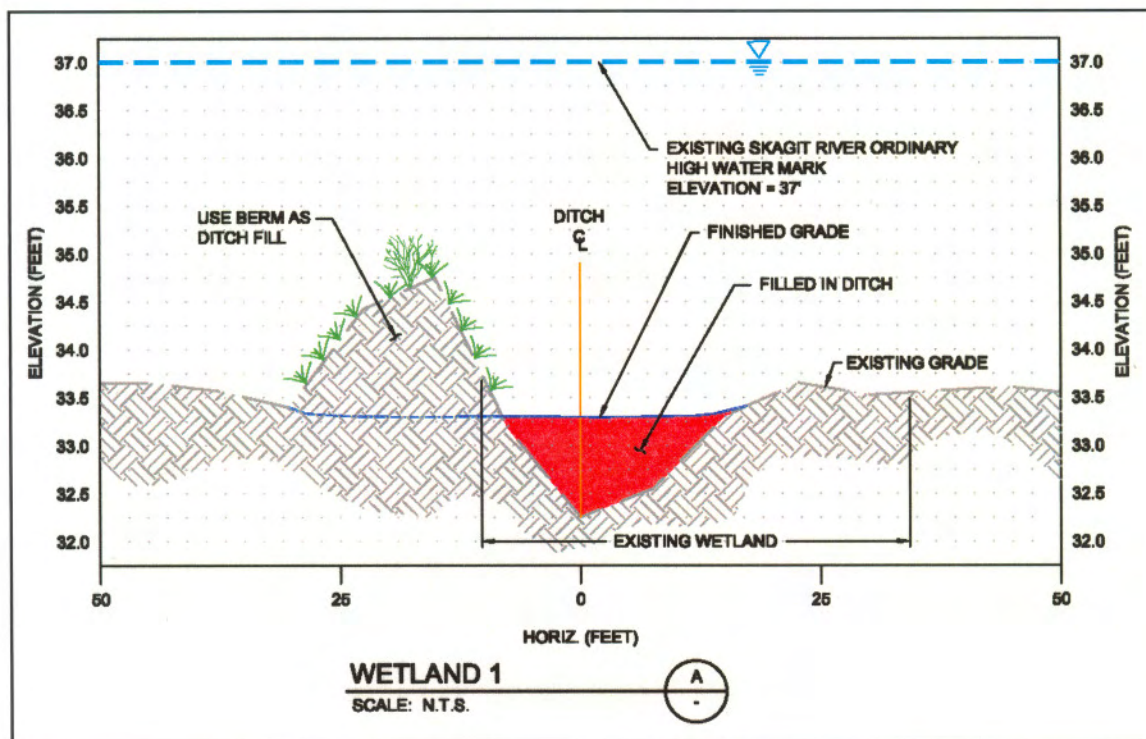
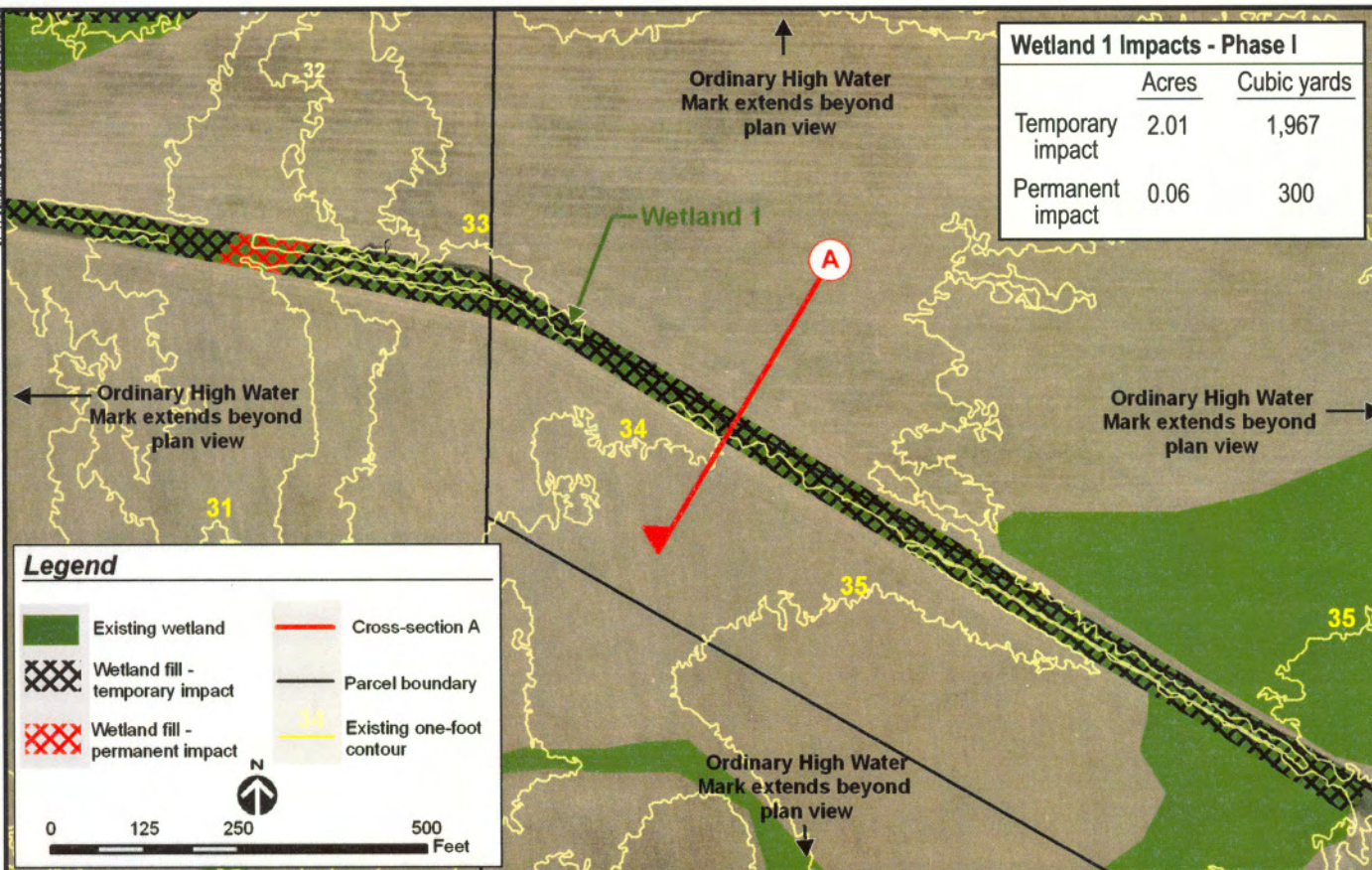
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 5 of 16



Prepared by:



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Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 1

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

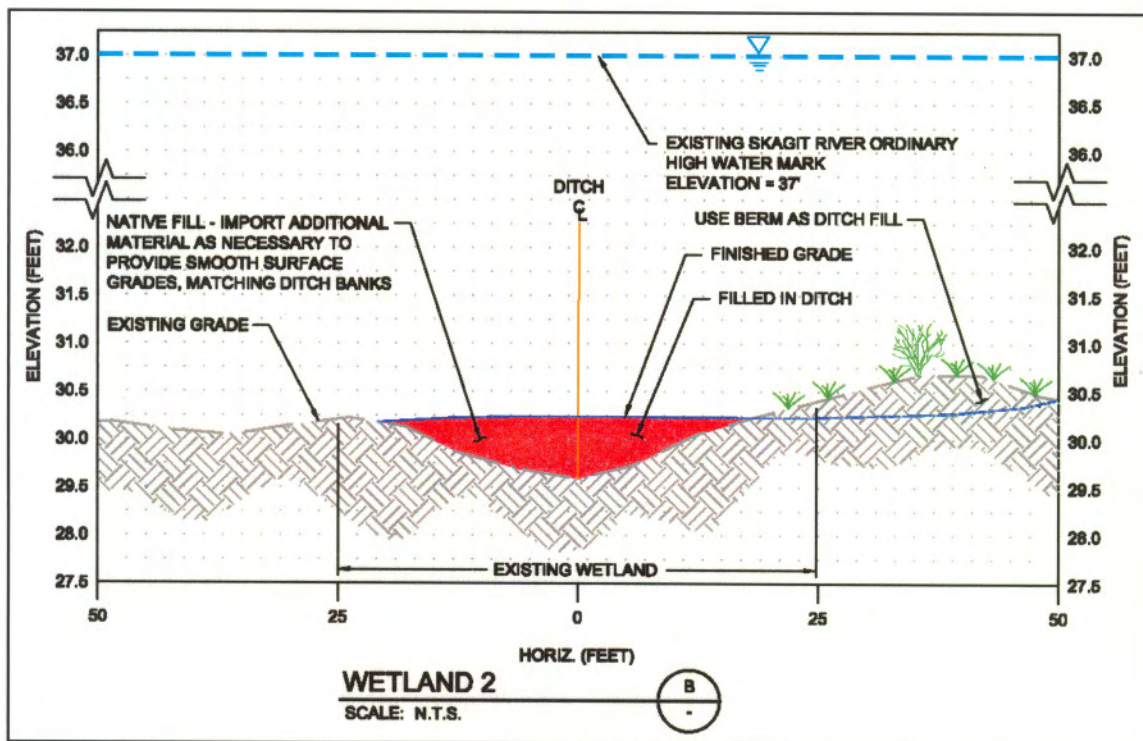
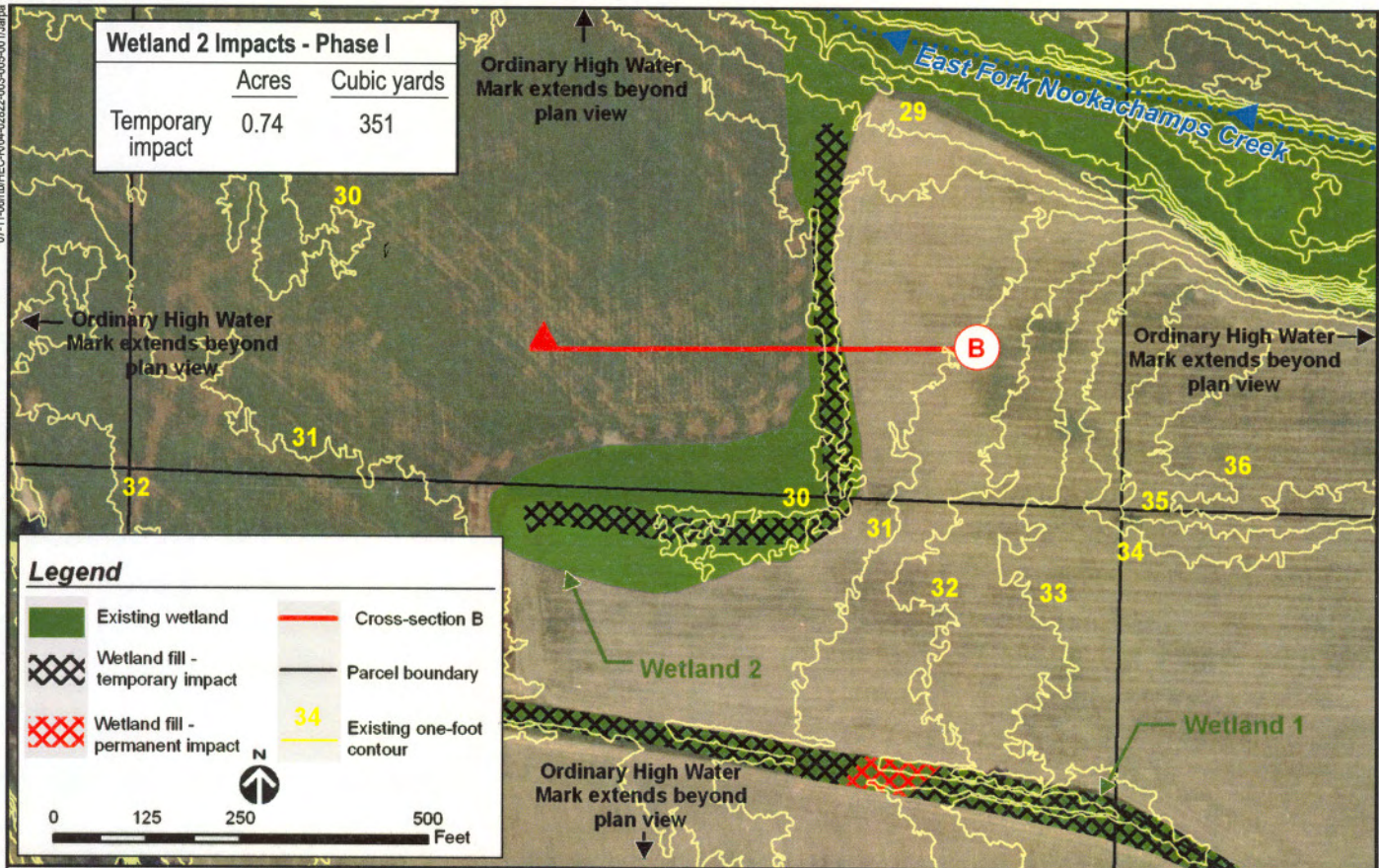
Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 6 of 16

07-11-06/mh/EC-R04-02822-003-005-001/Jmpra



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Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 2

Application for:

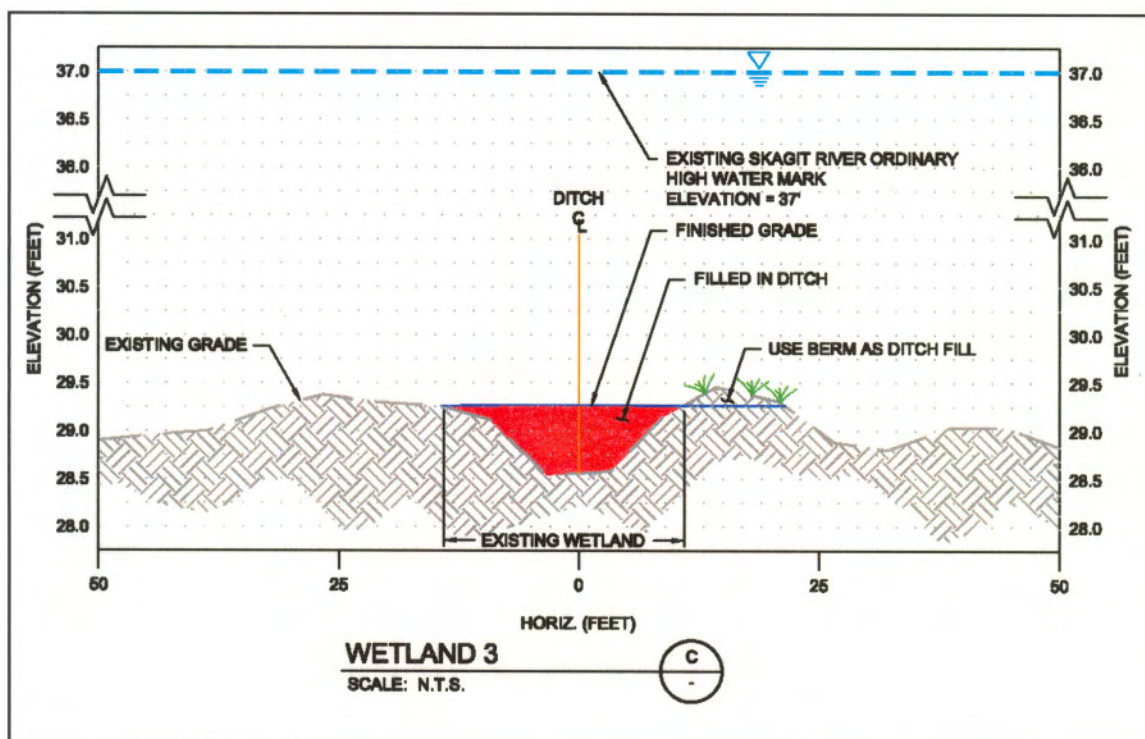
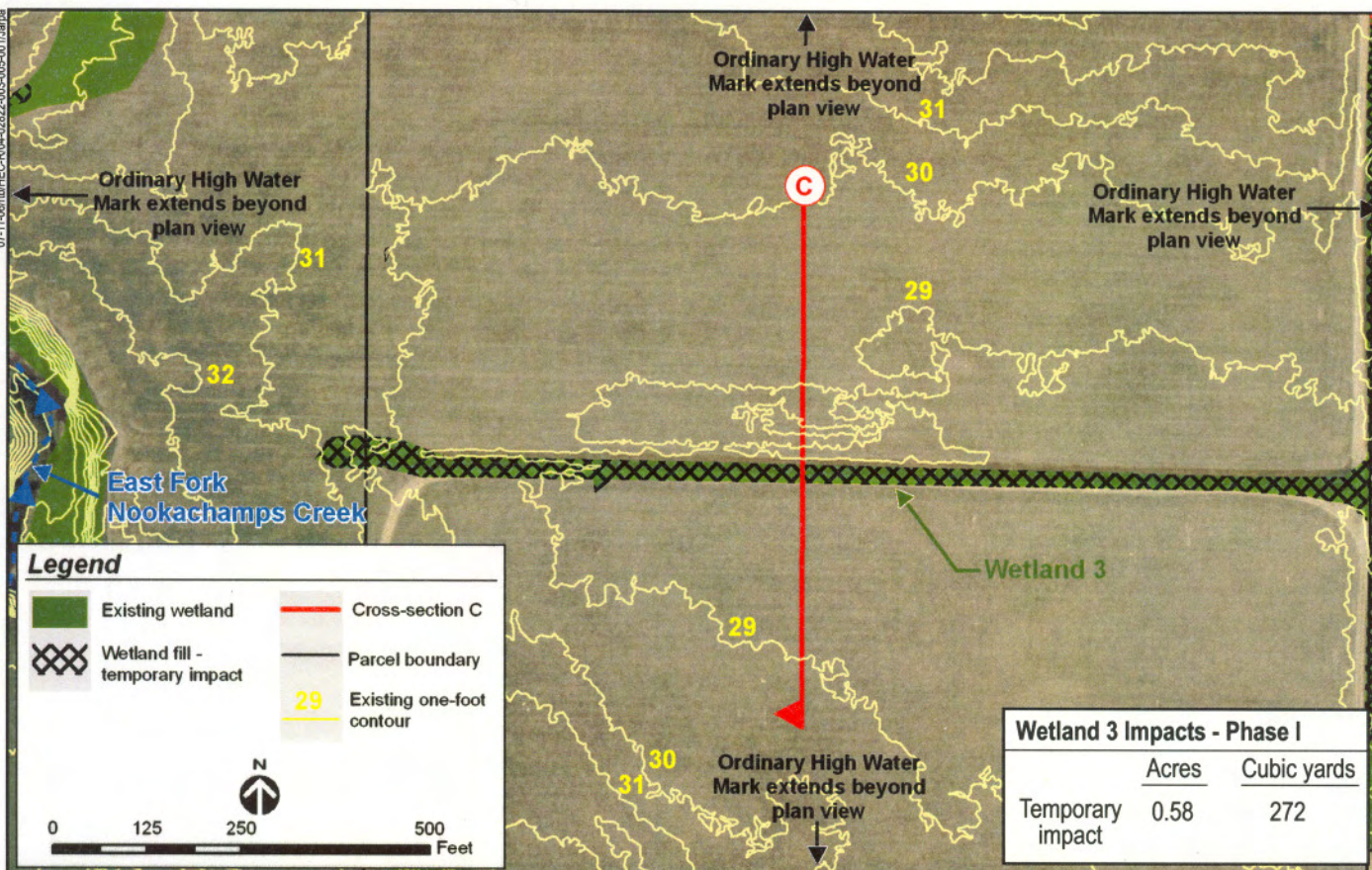
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 7 of 16



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Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 3

Application for:

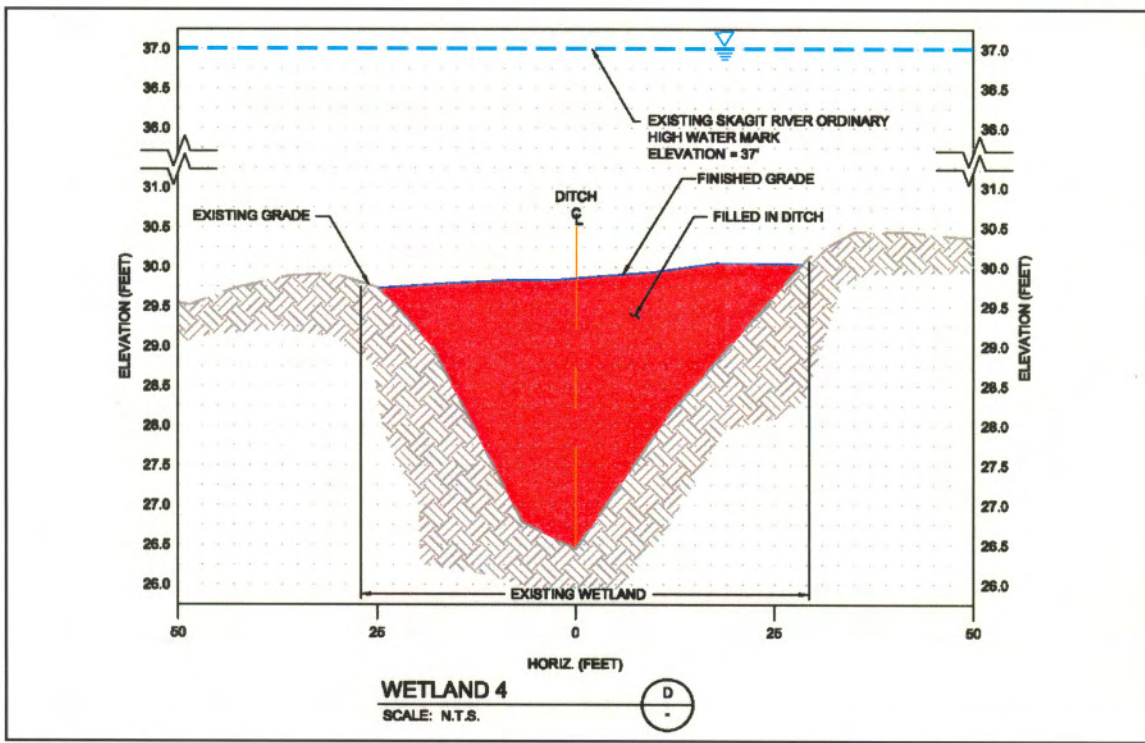
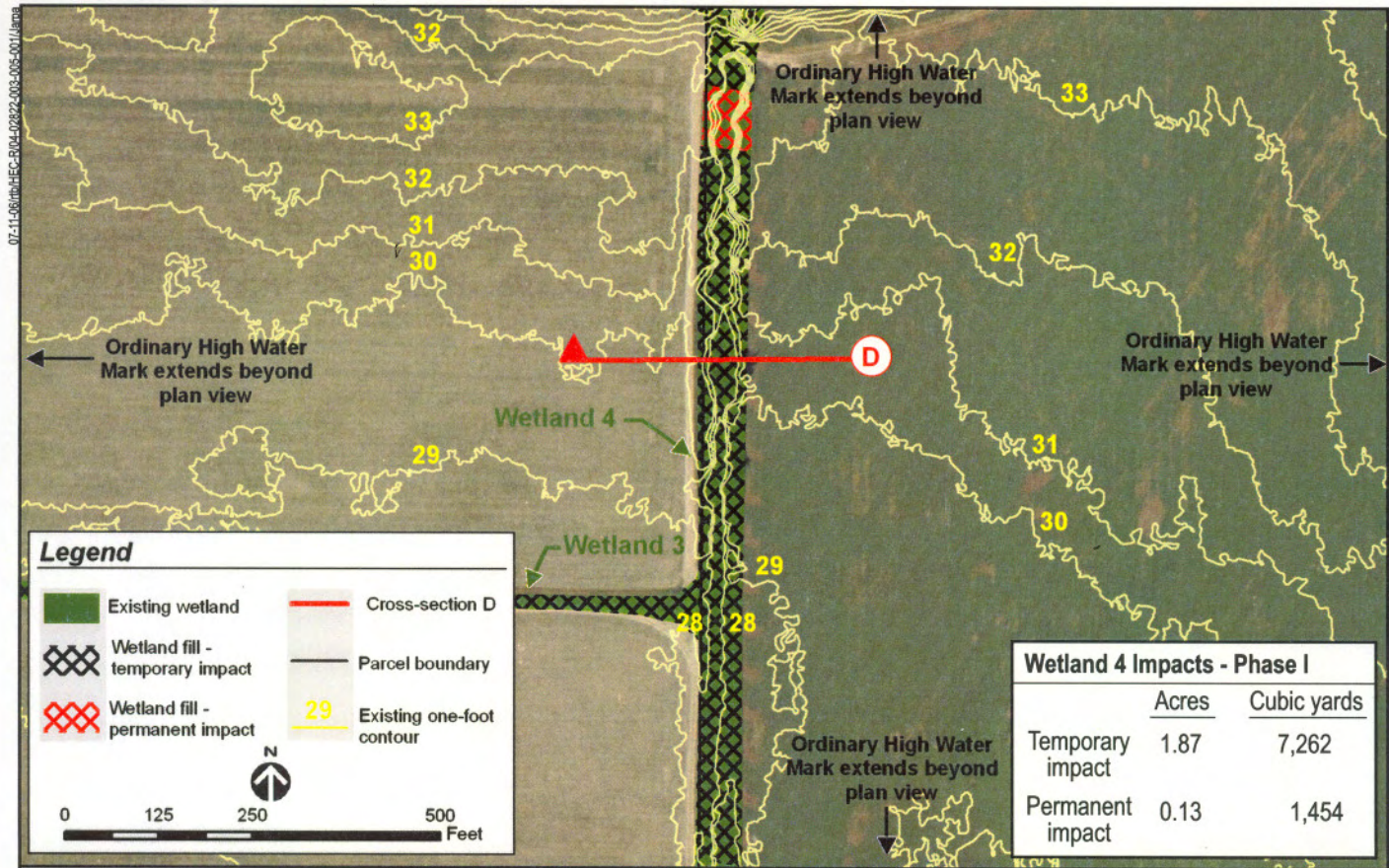
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 8 of 16



Prepared by:



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Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 4

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

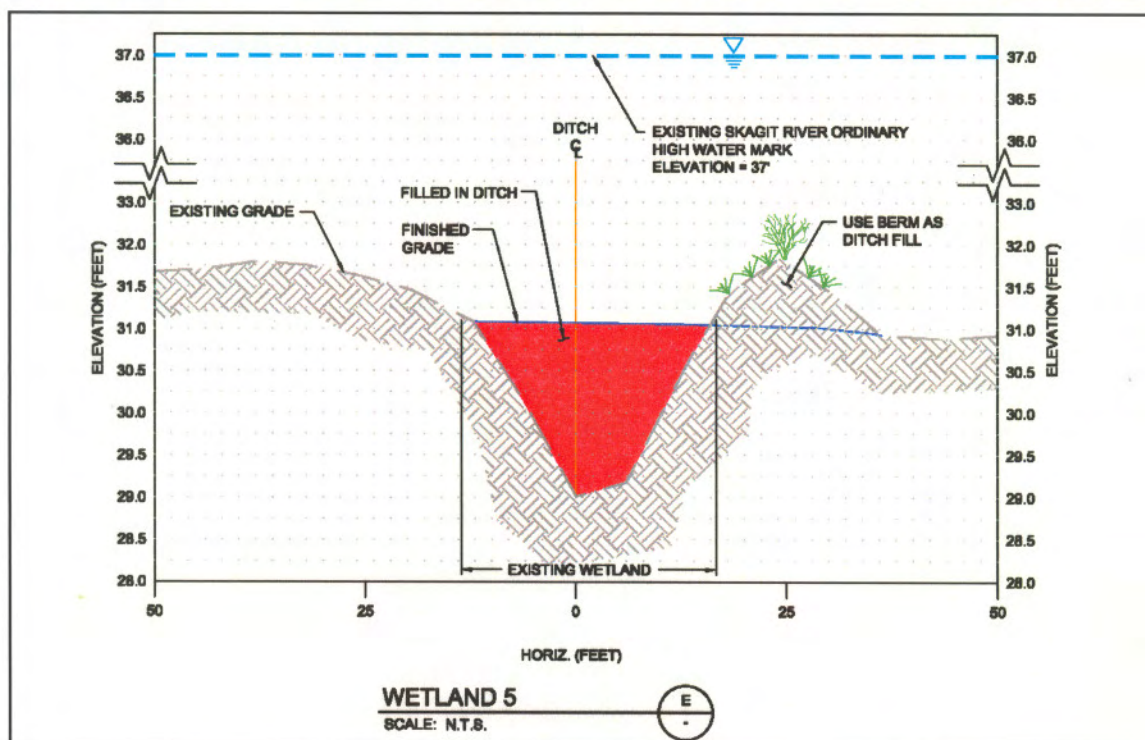
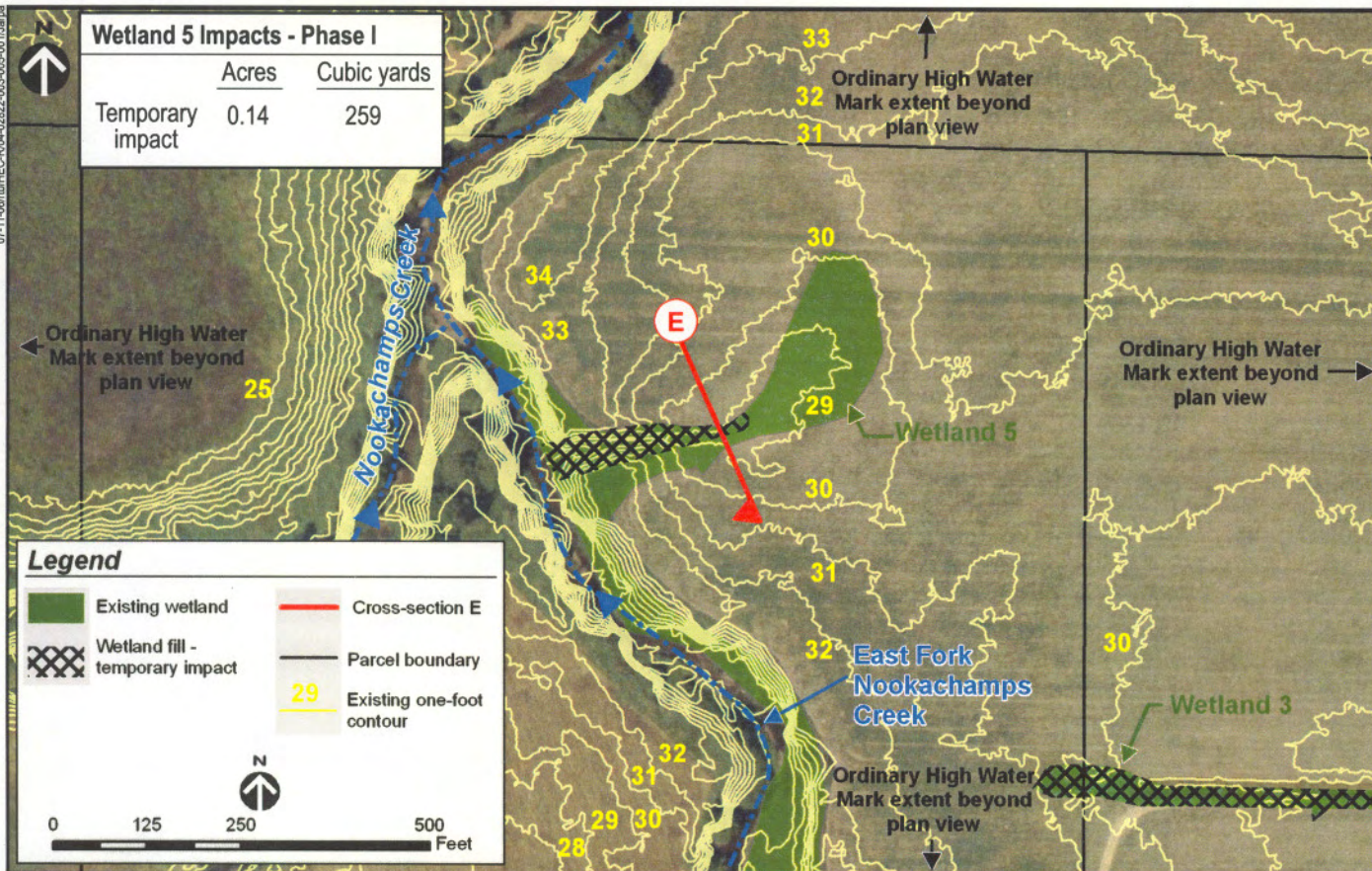
Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 9 of 16

07-11-06/mh/MEC-R04-02822-003-001/Jana



Prepared by:



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Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 5

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

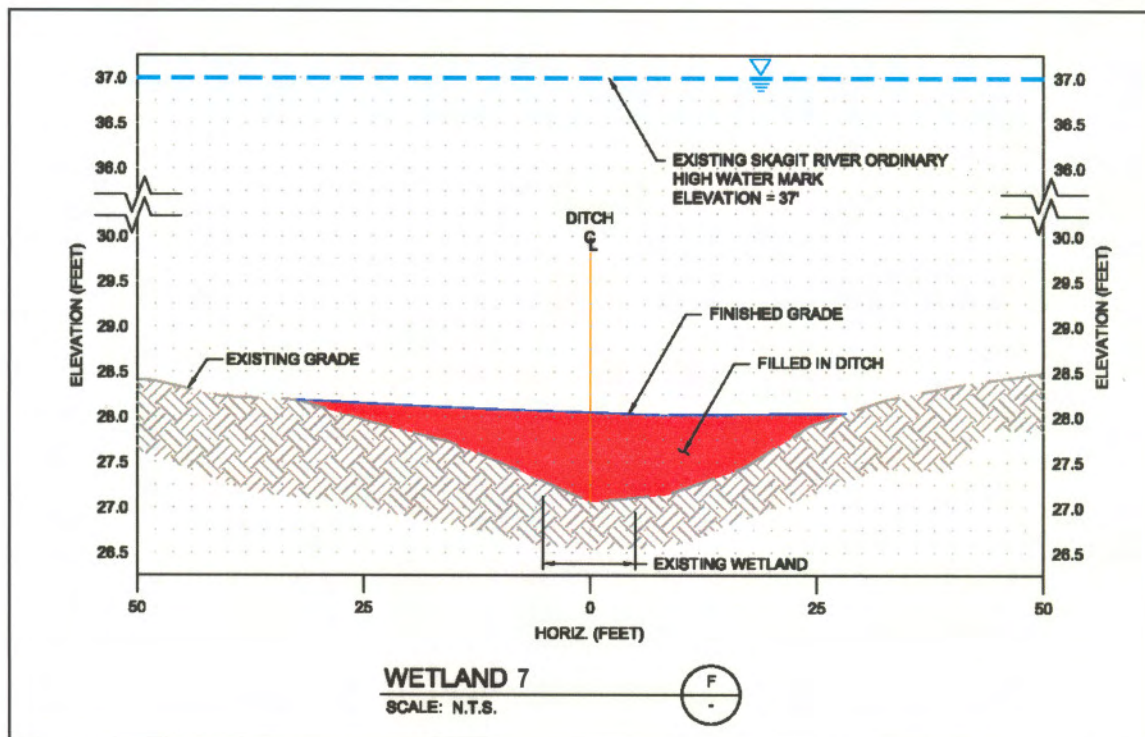
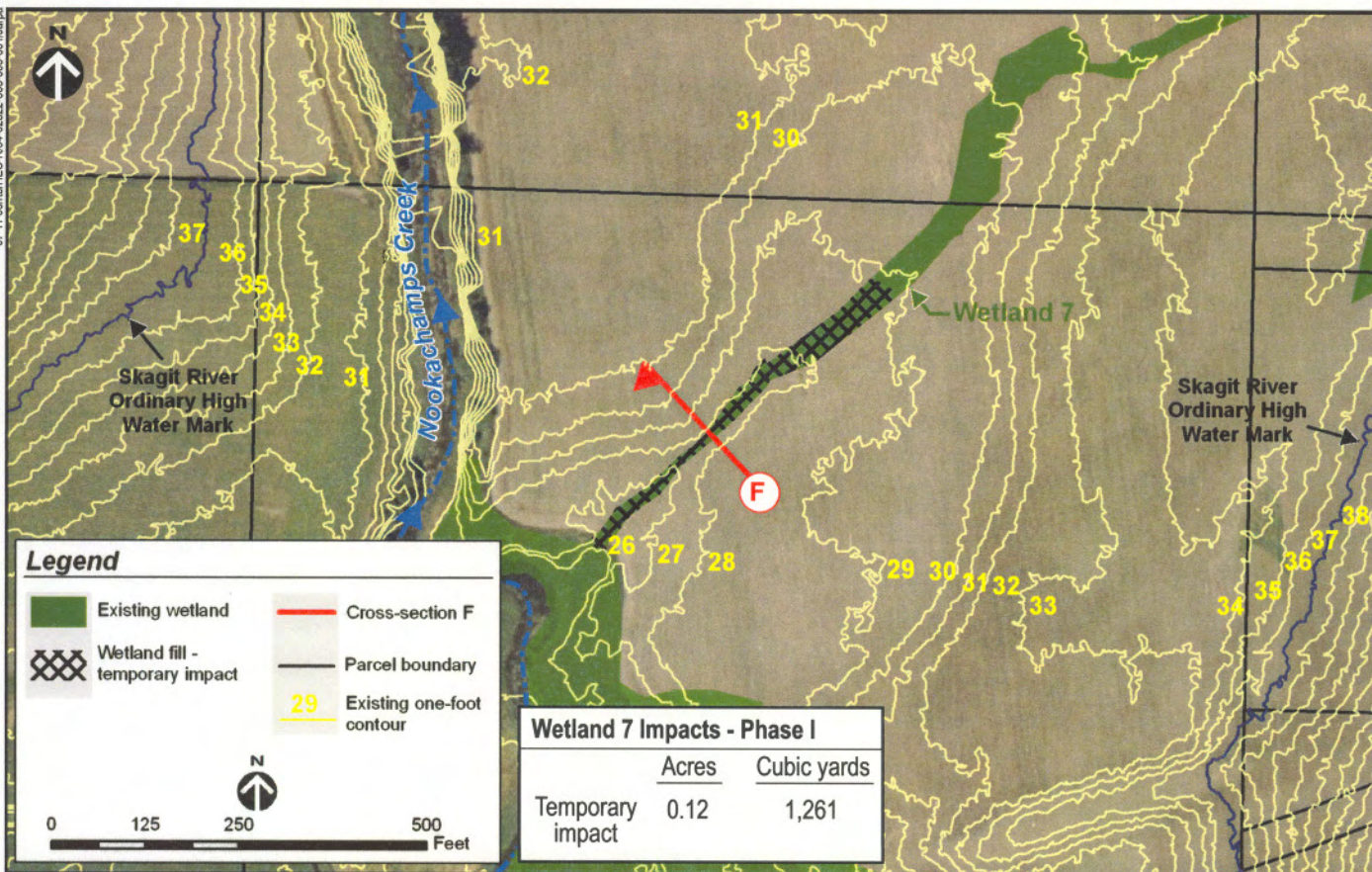
Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 10 of 16

07-11-06/mb/HEC-R04-02822-003-005-001/Janja



Prepared by:



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(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE I - PLAN AND CROSS-SECTION WETLAND 7

Application for:

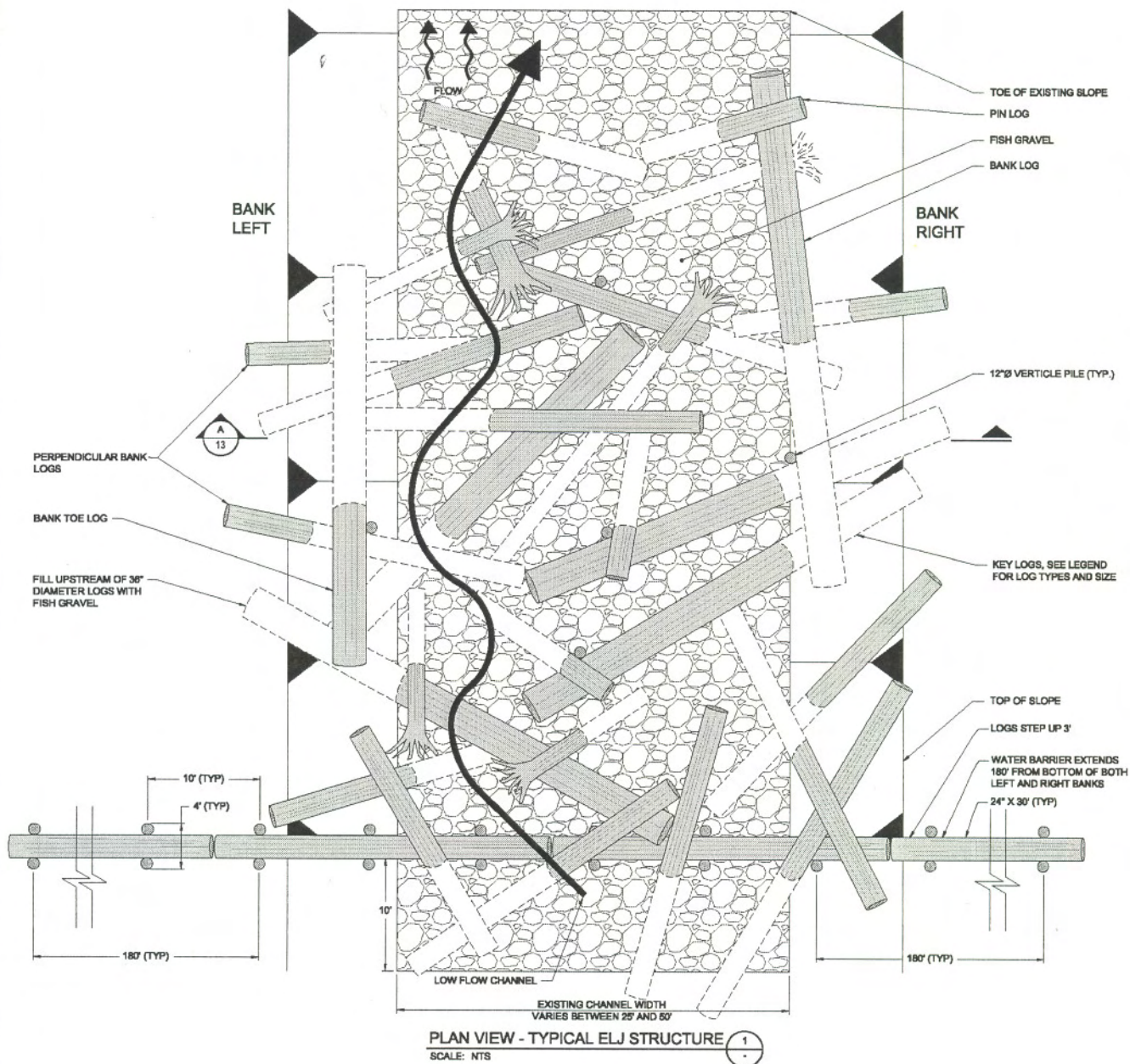
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 11 of 16



Prepared by:



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(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE I - PLAN VIEW - TYPICAL ELJ STRUCTURE

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

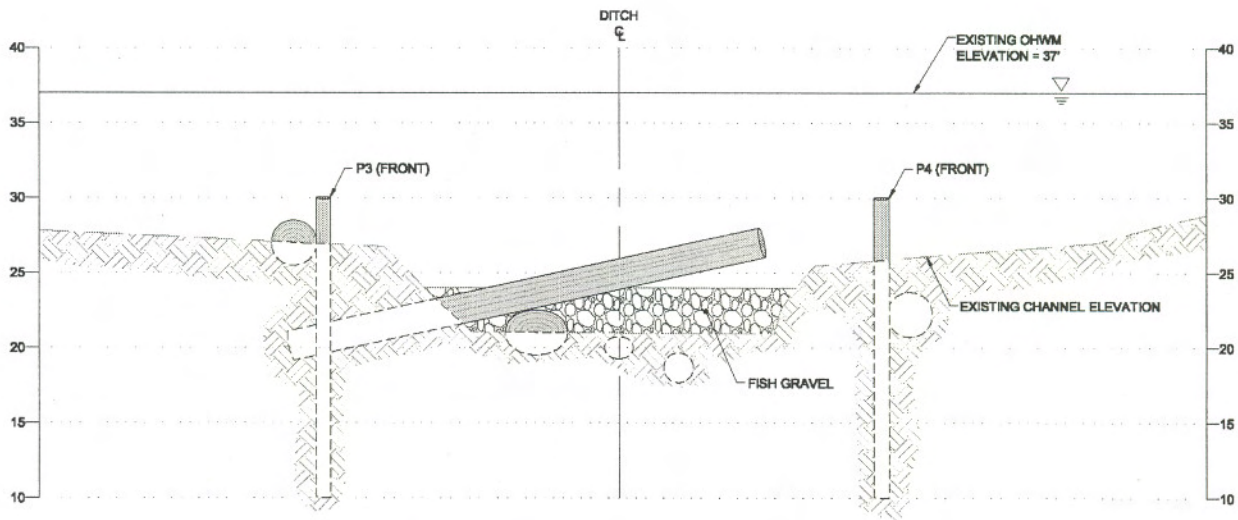
Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE NTS

SHEET 12 of 16

07-11-06/mdb/HEC-R04-02822-003-005-007/Janpa



SECTION - TYPICAL ELJ STRUCTURE
SCALE: NTS

A
12

Prepared by:



2200-6th Avenue-Suite 1100
Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE I - CROSS-SECTION ELJ STRUCTURE

Application for:

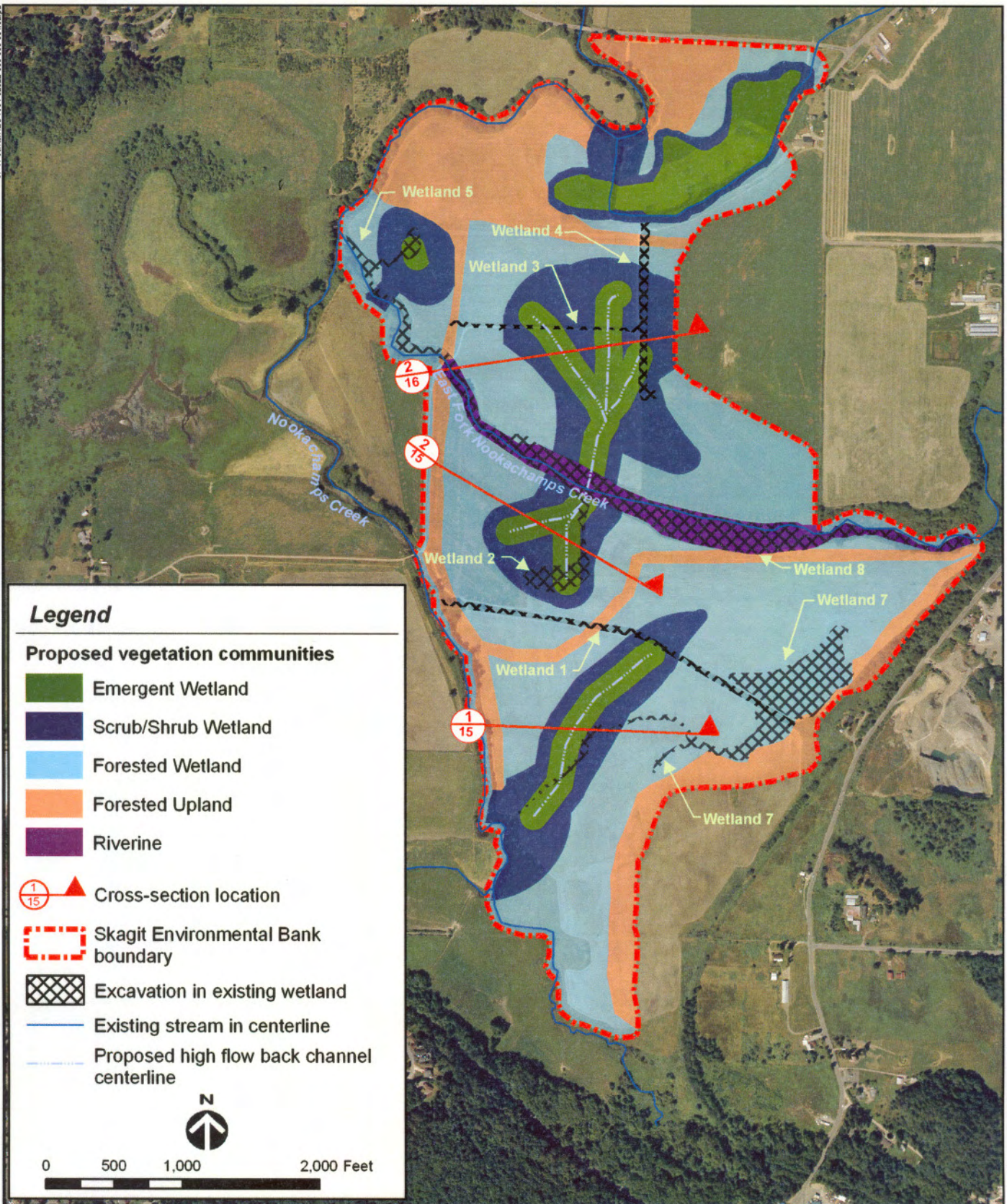
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE NTS

SHEET 13 of 16



Prepared by:



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(206) 441-9080
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Date: 27 June 2006

PHASE II / III - OVERVIEW MAP

Application for:

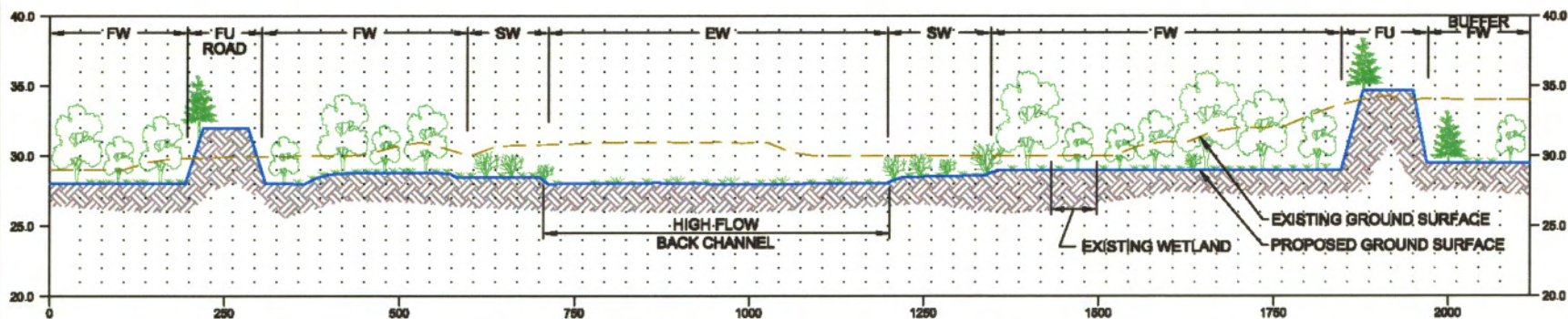
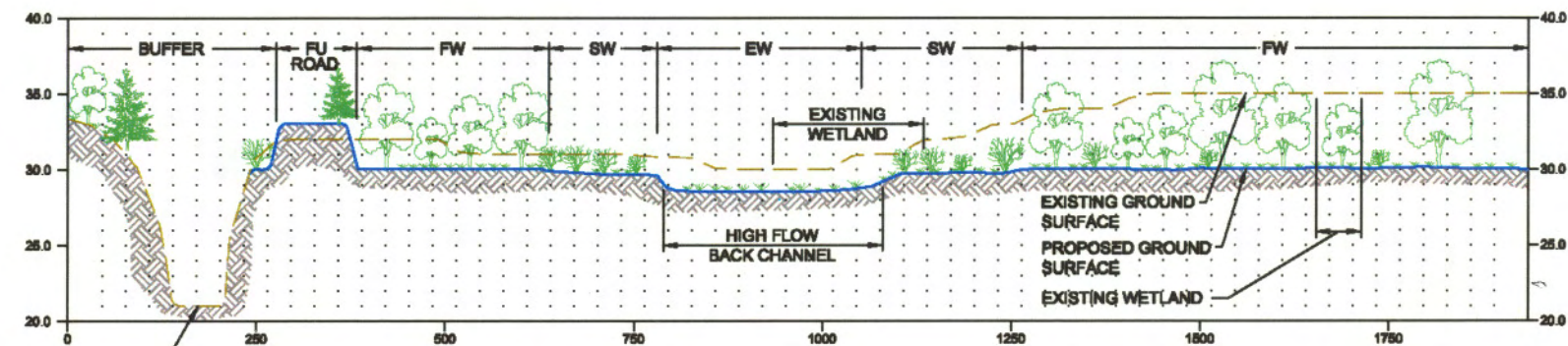
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE see above

SHEET 14 of 16



Prepared by:



2200-6th Avenue-Suite 1100
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(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE II / III - CROSS-SECTIONS

Application for:

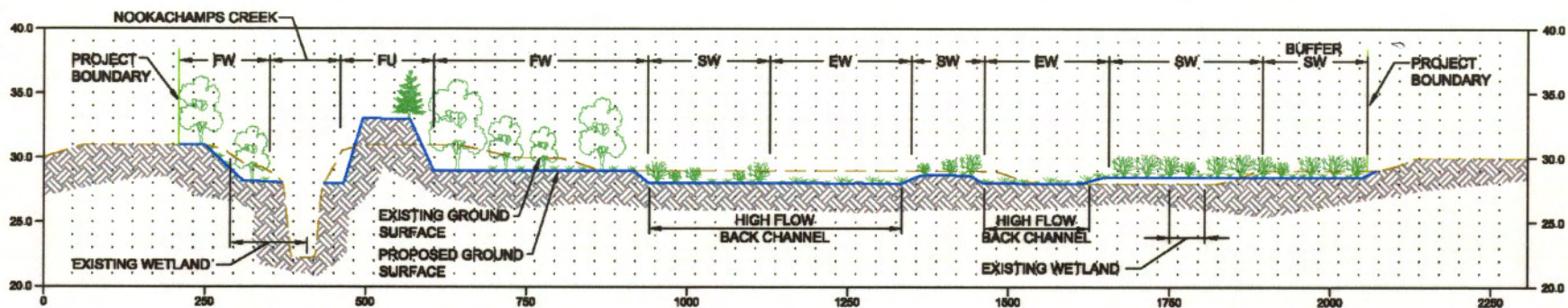
SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE NTS

SHEET 15 of 16



CROSS SECTION - HIGH FLOW BACK CHANNEL AND VEGETATION COMMUNITIES

HORIZ. SCALE: 1"=250'
VERT. SCALE: 1"=12.5'
VEGETATION: NTS

3
14

LEGEND - PROPOSED VEGETATION COMMUNITIES
EW = EMERGENT WETLAND
FU = FORESTED UPLAND
FW = FORESTED WETLAND
SW = SCRUB-SHRUB WETLAND

Prepared by:



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Seattle, WA 98121-1820
(206) 441-9080
(206) 441-9108 (Fax)

Date: 27 June 2006

PHASE II / III - CROSS-SECTION

Application for:

SKAGIT ENVIRONMENTAL BANK
SKAGIT COUNTY, WASHINGTON

Applicant:

CLEAR VALLEY
ENVIRONMENTAL FARM, LLC

SCALE NTS

SHEET 16 of 16