

Section 401 Water Quality Certification WA State Department of Ecology

Phone: (360) 407-6076 or E-mail: ecyrefedpermits@ecy.wa.gov

A.	Identify the applicable federal license or permit:						
	Permit or License Number (if known):						
	Federal Agency triggering the Water Quality Certification (WQC):						
	✓ U.S. Army Corps of Engineers U.S. Coast Guard						
	U.S. Environmental Protection Agency Federal Energy Regulatory Commission						
В.	Project Information:						
	Name: Edison Fields Enhancement Project County: Skagit						
C.							
	submitting this Section 401 WQC Request: Attached						
D.	Applicable Additional Information (Attached):						
	Completed, signed, and dated Joint Aquatic Resources Permit Application (JARPA)						
	✓ Water Quality Monitoring Plan or WQ Monitoring and Protection Plan						
	☐ Mitigation Plan						
	Wetland Delineation Report and ratings						
	Copy of the federal permit or license application, including all accompanying information						
	Suitability Determination for dredging projects with in-water disposal						
	Dewatering Plan						
	Revegetation/Restoration Plan						
	☑ Erosion and Sediment Control Plan						
	SEPA and/or NEPA decision						
E.	Certification Statements:						
Th	e project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of						
	knowledge and belief.						
	Initial GH						
Th	e project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification						
rei	quest within the applicable reasonable period of time.						
	Initial Gu						
	0/11/25/21						
Sig	int Name: Great Hinton						
De	int Name: Great Hinton						
1.1							
Su	ibmit this CWA §401 Certification Request form along with a JARPA and supporting information to						

To request an ADA accommodation, contact Ecology by phone at (360) 407-6076 or email at ecyrefedpermits@ecy.wa.gov. or visit Accessibility & the Americans with Disabilities Act (ADA). For Relay Service or TTY call 711 or 877-833-6341.

ECY 070-640 (Rev 11/2020)

ecyrefedpermits@ecy.wa.gov and cc the federal permitting agency.

WASHINGTON STATE Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [help]

US Army Corps of Engineers ® Seattle District

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

AGENCY USE ONLY								
Date received:	5/4/2021 edoc							
! ! !	Rec'd 401 Request Form							
Agency reference #:								
Tax Parcel #(s):								

Part 1-Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]	
Edison Fields Farm Enhancement Project	

Part 2-Applicant

The person and/or organization responsible for the project. [help]

	•							
2a. Name (Last, First, Middle)								
Hinton, Greg	Hinton, Greg							
2b. Organization (If applicable)								
Edison Fields, LLC	Edison Fields, LLC							
2c. Mailing Address (Street or PO Box)								
1950 Discovery Heigh	1950 Discovery Heights Drive							
2d. City, State, Zip								
Bellingham, WA 98226								
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail					
(360) 739-0773 greghinton@me.com								

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

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¹Additional forms may be required for the following permits:

[•] If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.

Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county
government to make sure they accept the JARPA.

²To access an online JARPA form with [help] screens, go to http://www.epermitting.wa.gov/site/alias resourcecenter/jarpa jarpa form/9984/jarpa form.aspx.

Part 3-Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [help]

3a. Name (Last, First, Middle)								
Zohn, April I.								
3b. Organization (If app	olicable)							
Ducks Unlimited, Inc.								
3c. Mailing Address (S	Street or PO Box)							
11805 NE 99 th Street,	Suite 1300							
3d. City, State, Zip								
Vancouver, WA 98682								
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail					
(360) 450-3223	(503) 310-2753		azohn@ducks.org					
Contact information for upland and aquatic ow	Part 4–Property Owner(s) Contact information for people or organizations owning the property(ies) where the project will occur. Consider both upland and aquatic ownership because the upland owners may not own the adjacent aquatic land. [help] Same as applicant. (Skip to Part 5.)							
 ☐ There are multiple up each additional prop 		Complete the section be	low and fill out <u>JARPA Attachment A</u> for					
	2-1100 to determine aqu	` '	d aquatic lands. If you don't know, contact yes, complete <u>JARPA Attachment E</u> to					
4a. Name (Last, First, Mi	iddle)							
4b. Organization (If app	olicable)							
4c. Mailing Address (S	Street or PO Box)							
4d. City, State, Zip								
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail					
i e e e e e e e e e e e e e e e e e e e	1	1	1					

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Part 5-Project Location(s)

Identifying information abo	ut the prop	perty or propertie	es where the project will occur.	[help]				
□ There are multiple project locations (e.g. linear projects). Complete the section below and use <u>JARPA</u> <u>Attachment B</u> for each additional project location.								
5a. Indicate the type of o	wnership o	of the property.	(Check all that apply.) [help]					
□ Private								
□ Federal								
☐ Publicly owned (state, c	ounty, city, s	pecial districts like s	schools, ports, etc.)					
☐ Tribal								
☐ Department of Natural	Resource	s (DNR) – mana	iged aquatic lands (Complete s	JARPA Attachment E)				
5b. Street Address (Cann	ot be a PO B	Box. If there is no add	dress, provide other location informat	ion in 5p.) [<u>help]</u>				
6415 Farm-to-Market Roa	ad							
5c. City, State, Zip (If the p	oroject is not	in a city or town, pro	ovide the name of the nearest city or	town.) [help]				
Bow, WA 98232								
5d. County [help]								
Skagit								
5e. Provide the section, t	ownship, a	and range for the	e project location. [help]					
1/4 Section	1/4 Section Section Township Range							
	4		35N	3E				
5f. Provide the latitude an Example: 47.03922 N	•	• •	location. [help] decimal degrees - NAD 83)					
48.548790 N / -122.4439	82 W (SW	Corner of prope	erty)					
5g. List the tax parcel nu • The local county asse								
P33793								
5h. Contact information f	or all adjoi	ning property ow	/ners. (If you need more space, use	JARPA Attachment C.) [help]				
Name		ı	Mailing Address	Tax Parcel # (if known)				
See Attachment C								

List all wetlands on or adjacent to the project location. [help]

A wetland assessment was completed by Soundview Consulting in February 2020. Soundview identified 13 palustrine emergent wetlands within the agricultural fields on the project site, and two palustrine forested wetlands in the forested northwest corner of the property.

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5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]							
Soundview Consulting (2020) mapped five agricultural ditches and one historic slough channel (District Ditch) in the project site.							
5k. Is any part of the project area within a 100-year floodplain? [help]							
⊠ Yes □ No □ Don't know							
51. Briefly describe the vegetation and habitat conditions on the property. [help]							

The project site consists of actively managed agricultural fields with a small section of undeveloped forest area on the eastern portion of the subject property. Vegetation onsite consists of a planted grass cover crop, perennial ryegrass (*Lolium perenne*) in the northern two thirds of the site and standing corn (*Zea mays*) in the southern portion of the site. The small forested section on the eastern portion of the property includes an overstory of western red cedar (*Thuja plicata*), red alder (*Alnus rubra*), black cottonwood (*Populus balsamifera*), and Sitka spruce (*Picea sitchensis*), with an understory of salmonberry (*Rubus spectabilis*), red elderberry (*Sambucus racemosa*), Himalayan blackberry (*Rubus armeniacus*), stinging nettle (*Urtica dioica*), common lady fern (*Athyrium cyclosorum*), and trailing blackberry (*Rubus ursinus*).

5m. Describe how the property is currently used. [help]

With the exception of the forested areas (which are unmanaged), the property has been in commercial agricultural production for over 80 years. It is currently in row crop agriculture.

5n. Describe how the adjacent properties are currently used. [help]

The property is surrounded by other agricultural properties. Drainage and Irrigation Improvement District 16 is responsible for several irrigation ditches adjacent to the property, as well as the District Ditch that bisects the site. Farm to Market Road also runs along the west side of the property.

50. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [help]

Existing structures are limited to drainage ditches and water control structures (open culverts) used to irrigate the site. The water control structures are in poor condition (e.g., damaged, lacking infrastructure to control water flow). Informal at-grade farm roads also exist on the project site.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [help]

The site is accessed off Farm to Market Road. From Mt. Vernon, take I-5 North to WA-211 (9 miles). Turn left on Sunset Road (1.8 miles) and right onto Farm to Market Road (0.5 mile). The property is on the right.

Part 6-Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [help]

The project would install new three new water control structures in irrigation ditches and excavate new swales and shallow depressional areas in farm fields to expand the drainage network and improve the ability for the landowner to manage water levels. Please refer to the supplemental attachment for a more detailed project description.

6b. Describe the purpose of the project and why you want or need to perform it. [help]

Existing water control infrastructure are limited and do not allow the landowner to effectively control where and to what degree water is distributed onsite. These management limitations result in areas of the property that are too wet to support reliable crop production. The primary purpose of the project is to improve drainage during the growing season to support crop development. A secondary purpose of the project is to retain water in wetter areas in the non-growing season to improve groundwater recharge, wildlife habitat, and nutrient cycling.

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6c. Indicate the project cate	gory. (Check all that apply) [help]	I						
☐ Commercial ☐ Residential ☐ Institutional ☐ Transportation ☐ Recreational								
☐ Maintenance ☐ Environmental Enhancement								
6d. Indicate the major element	6d. Indicate the major elements of your project. (Check all that apply) [help]							
□ Aquaculture □ Culvert □ Float □ Retaining Wall (upland) □ Bank Stabilization □ Dam / Weir □ Floating Home □ Road □ Boat House □ Dike / Levee / Jetty □ Geotechnical Survey □ Scientific Measurement Device Measuremen								
☐ Channel Modification	☐ Fishway	☐ Raft						
 ☑ Other: New water control structures, swales, and depressional areas 6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [help] Identify where each element will occur in relation to the nearest waterbody. Indicate which activities are within the 100-year floodplain. 								
All proposed work would occur within the 100-year floodplain. Some excavation of swales and depressional areas, and placement of spoils, would occur in mapped wetlands; replacement of water control structures would be located in existing drainage ditches, with some encroachment into the adjacent farm field (not wetlands). All construction would be completed when wetlands and ditches on the site are dry (summer 2021). Construction would take up to 4 weeks. The following general work sequence would be followed to implement the project: • Prepare staging area and import construction materials. • Install erosion control measures. • Mark excavation limits and verify location of components. • Excavate footprints for new water control structures. • Install structures and backfill.								
 Strip vegetation and topsoil from swales and depressional areas and set aside. Excavate swales and depressional areas. Redistribute soil as thin lifts in designated spoils disposal areas. Replace stripped vegetation and topsoil. As needed, re-contour areas temporarily disturbed during construction, including areas around water control structures and staging areas, lightly disk, seed, and mulch with weed-free straw. Demobilize equipment. 								
6f. What are the anticipated	start and end dates for proje	ect construction? (Month/Year)	[help]					
 If the project will be constructed or stage. 	ructed in phases or stages, use <u>JA</u>	RPA Attachment D to list the start a	and end dates of each phase					
Start Date: July 2021	End Date: August	2021 ☐ See JAR	PA Attachment D					
6g. Fair market value of the	project, including materials,	labor, machine rentals, etc.	[help]					
\$70,000								

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6h. Will any portion of the project receive federal funding? [help]						
If yes, list each agency providing funds.						
Dont 7 Motley declines at and Mitigation						
Part 7–Wetlands: Impacts and Mitigation						
Check here if there are wetlands or wetland buffers on or adjacent to the project area.						
(If there are none, skip to Part 8.) [help]						
7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]						
☐ Not applicable						
To minimize impacts to wetlands, soil excavated from the swales and depressional areas would be spread in thin lifts (less than 6-inches) to ensure farmed wetlands on site are not converted to uplands. Similarly, the depth of depressional areas would be shallow and seasonally drained to ensure farmed wetlands are not converted to permanent open water. Alternative site locations were not considered due to the site-specific water management needs driving the purpose and need for the project. The following construction best management practices (BMP) would be implemented to reduce impacts to wetlands and water quality during construction: All work will be completed during the summer months, when the site is drier. Ditches will be temporarily dewatered. All construction materials that may leak petroleum products, fuel, lubricants, or other hazardous materials will be staged in upland areas, away from water or other sensitive natural communities. Vehicles and equipment will not be washed onsite. As needed, re-contour areas temporarily disturbed during construction, including areas around water control structures and staging areas, lightly disk, seed, and mulch with weed-free straw. Wetland vegetation and organics stripped from work areas will be replaced after construction is						
7b. Will the project impact wetlands? [help]						
7c. Will the project impact wetland buffers? [help]						
⊠ Yes □ No □ Don't know						
7d. Has a wetland delineation report been prepared? [help]						
If Yes, submit the report, including data sheets, with the JARPA package.						
⊠ Yes □ No						
 7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help] If Yes, submit the wetland rating forms and figures with the JARPA package. 						
⊠ Yes □ No □ Don't know						
7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]						
If Yes, submit the plan with the JARPA package and answer 7g.						
If No, or Not applicable, explain below why a mitigation plan should not be required.						
☐ Yes ☒ No ☐ Don't know						

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Approximately 11.88 acres of Wetlands C, D, G and N would be temporarily impacted to excavate the shallow depressional areas (11.31 acres) and swales (0.57 acre). Excavated soils would be redistributed in thin lifts (less than 6-inches) in designated spoil disposal areas that would impact up to 4.89 acres within Wetlands D, M, N, O, and P. These impacts are considered temporary because after construction is complete, the impacted areas would reestablish as farmed wetland and would not be permanently converted to another habitat type (open water or upland).

All of the improvements proposed under the project would enhance or facilitate agricultural operations within the 155-acre property consistent with ongoing agricultural uses. Management through seasonal draining and inundation would improve agricultural productivity, enhance plant diversity, control invasive vegetation, and improve water quality and other wetland habitat functions when seasonally managed to benefit wetland services. The enhanced functions of up to 155 acres of wetlands onsite would offset temporary impacts associated with constructing the project. No compensatory mitigation is proposed.

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]

No compensatory mitigation is proposed. See Box 7f.

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [help]

	` ′						
Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type⁴	Wetland mitigation area (sq. ft. or acres)	
Excavation (Depressions)	Wetland C	PEM / IV	0.24 acre	T (60 days)	R	0.24 acre	
Excavation (Depressions)	Wetland D	PEM / IV	1.22 acre	T (60 days)	R	1.22 acres	
Fill (Spoils Placement)	Wetland D	PEM / IV	1.02 acre	T (60 days)	R	1.02 acres	
Excavation (Depressions)	Wetland G	PEM / IV	0.21 acre	T (60 days)	R	0.21 acre	
Fill (Spoils Placement)	Wetland M	PEM / IV	0.39 acre	T (60 days)	R	0.39 acre	
Fill (Spoils Placement)	Wetland N	PEM / III	3.29 acres	T (60 days)	R	3.29 acres	
Excavation (Depressions & Swale)	Wetland N	PEM / III	10.21 acres	T (60 days)	R	10.21 acres	
Fill (Spoils Placement)	Wetland O	PEM / IV	0.17 acre	T (60 days)	R	0.17 acre	
Fill (Spoils Placement)	Wetland P	PEM / IV	0.02 acre	T (60 days)	R	0.02 acre	

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

Page number(s) for similar information in the mitigation plan, if available: N/A

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [help]

Up to 3944 CY of soil would redistributed onsite in existing wetlands that overlap with proposed spoils disposal areas (Figure 4). All soil used as fill material would be derived from excavation of swales and shallow depressional areas. See Box 6e for a description of the proposed construction methodology.

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² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [help]

Up to 5652 CY of soil would be excavated from within existing wetlands to create the proposed swales and shallow depressional areas. All materials would be disposed of in thin lifts (less than 6-inches) within designated spoils disposal areas. Refer to Box 6e for a description of the proposed construction methodology.

Part 8-Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [help]

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]
☐ Not applicable
Impacts to waterbodies would be limited to three ditches where water control structures would be installed. To minimize impacts within the ditches, water control structures (and their associated footprint) would be the smallest capable of effectively managing water levels and conveyance in the project area. The BMPs listed in Box 7a would be implemented to avoid and minimize adverse impacts to the aquatic environment.
8b. Will your project impact a waterbody or the area around a waterbody? [help]
⊠ Yes □ No
 8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [help] If Yes, submit the plan with the JARPA package and answer 8d. If No, or Not applicable, explain below why a mitigation plan should not be required.
☐ Yes ☒ No ☐ Don't know
Compensatory mitigation is not proposed. Please see Box 7f above.
 8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan. If you already completed 7g you do not need to restate your answer here. [help]
Compensatory mitigation is not proposed. Please see Box 7f above.
8e. Summarize impact(s) to each waterbody in the table below. [help]

oe.	Sullii	IIaIIZE	impacit) II	eacii	waterbu	dy in the	lable	Delow.	neip
				-						_

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Fill (WCS 1)	Ditch D	In Waterbody	Р	110 CY	0.01 acre
Fill (WCS 2)	Ditch E	In Waterbody	Р	110 CY	0.01 acre
Fill (WCS 3)	Ditch C	In Waterbody	Р	110 CY	0.01 acre

¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

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² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]

Water control infrastructure (agri-drain, pipes, rock) would be imported to the site, and placed in the ditches noted. Up to 330 CY of materials would be associated with the three water control structures.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [help]

No excavation or dredging in waters is proposed.

planning/Shoreline-laws-rules-and-cases.

Part 9-Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help] **Contact Name Agency Name Phone** Most Recent **Date of Contact** 9/23/2019 Skagit County Leah Forbes (various other County staff) (360) 416-1337 **NMFS** Janet Curan (206) 526-4452 7/23/2019 **USFWS** Joseph Sands (503) 231-6729 9/5/2019 USFWS/SHPO Anan Raymond (503) 625-4377 8/5/2019 **9b.** Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help] If Yes, list the parameter(s) below. If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d. ☐ Yes \boxtimes No **9c.** What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help] Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC. 17110002 **9d.** What Water Resource Inventory Area Number (WRIA #) is the project in? [help] Go to https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up to find the WRIA #. WRIA 3 (Lower Skagit-Samish Watershed) **9e.** Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help] Go to https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria for the standards. □ No ☐ Not applicable **9f.** If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help] If you don't know, contact the local planning department.

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For more information, go to: https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shore

☐ Urban ☐ Natural ☐ Aquatic ☐ Conservancy ☒ Other: N/A
 9g. What is the Washington Department of Natural Resources Water Type? [help] Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.
☐ Shoreline ☑ Fish ☐ Non-Fish Perennial ☑ Non-Fish Seasonal
 9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help] If No, provide the name of the manual your project is designed to meet.
⊠ Yes □ No
Name of manual: Stormwater Management Manual for Western Washington (2019)
9i. Does the project site have known contaminated sediment? [help] • If Yes, please describe below.
☐ Yes ⊠ No
9j. If you know what the property was used for in the past, describe below. [help]
The property has been in agricultural production for over 80 years.
 9k. Has a cultural resource (archaeological) survey been performed on the project area? [help] If Yes, attach it to your JARPA package.
⊠ Yes □ No
91. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [help]
In February 2019, Ducks Unlimited, Inc. prepared a Biological Assessment (BA) for the nine federally-listed species with the potential to occur in the project area. Five species, including Oregon spotted frog (<i>Rana pretiosa</i>), marbled murrelet (<i>Brachyramphus marmoratus</i>), yellow-billed cuckoo (<i>Coccyzus americanus</i>), streaked horned lark (<i>Eremophila alpestris strigata</i>), and North American wolverine (<i>Gulo gulo luscus</i>), would not be impacted by the project because the action area does not provide suitable habitat for those species. A determination of "no effect" was recommended for all five species. Federally-listed fish species, including Puget Sound chinook salmon (<i>Onchorhynchus keta</i>), Puget Sound steelhead (<i>O. mykiss</i>), bull trout (<i>Salvelinus confluentus</i>), and dolly varden (<i>S. malma</i>), are known to occur with the central drainage that bisects the property (District Ditch) and in the artificial drainage ditches on the western and eastern boundaries of the project area (WDFW 2019). A determination of not likely to adversely affect was recommended based on the potential for short-term and temporary increases in turbidity in waterways during construction. Both USFWS and NMFS concurred with these recommended determinations in 2019; copies of their concurrence letters are included as attachments to this JARPA.
9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [help]
No Priority Habitats or Species are mapped in the project area.

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Part 10-SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at http://apps.oria.wa.gov/opas/.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on agency addresses for completed JARPA.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]
For more information about SEPA, go to https://ecology.wa.gov/regulations-permits/SEPA-environmental-review .
\square A copy of the SEPA determination or letter of exemption is included with this application.
□ A SEPA determination is pending with <u>Skagit County</u> (lead agency). The expected decision date is <u>November 2020</u> .
☐ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]
 □ This project is exempt (choose type of exemption below). □ Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?
☐ Other:
☐ SEPA is pre-empted by federal law.
10b. Indicate the permits you are applying for. (Check all that apply.) [help]
LOCAL GOVERNMENT
Local Government Shoreline permits:
 □ Substantial Development □ Conditional Use □ Variance □ Shoreline Exemption Type (explain):
Other City/County permits:
☑ Floodplain Development Permit ☑ Critical Areas Ordinance
STATE GOVERNMENT
Washington Department of Fish and Wildlife:
Washington Department of Natural Resources:
 □ Aquatic Use Authorization Complete <u>JARPA Attachment E</u> and submit a check for \$25 payable to the Washington Department of Natural Resources. <u>Do not send cash.</u>
Washington Department of Ecology:
⊠ Section 401 Water Quality Certification □ Non-Federally Regulated Waters
FEDERAL AND TRIBAL GOVERNMENT
United States Department of the Army (U.S. Army Corps of Engineers):
☑ Section 404 (discharges into waters of the U.S.) ☐ Section 10 (work in navigable waters)

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United States Coast Guard: For projects or bridges over waters of the United States, contact the U.S. Coast Guard at: d13-pf-d13bridges@uscg.mil			
☐ Bridge Permit	☐ Private Aids to Navigation (or other non-bridge permits)		
United States Environmental Pr	rotection Agency:		
\Box Section 401 Water Quality Certification (discharges into waters of the U.S.) on tribal lands where tribes do not have treatment as a state (TAS)			
Tribal Permits: (Check with the tribe to see if there are other tribal permits, e.g., Tribal Environmental Protection Act, Shoreline Permits, Hydraulic Project Permits, or other in addition to CWA Section 401 WQC)			
☐ Section 401 Water Quality Certification (discharges into waters of the U.S.) where the tribe has treatment as a state (TAS).			

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Part 11-Authorizing Signatures		
Signatures are required before submitting the project plans, photos, etc. [help]	e JARPA package. The JARPA package in	cludes the JARPA form,
11a. Applicant Signature (required) [help]		
I certify that to the best of my knowledge and and accurate. I also certify that I have the au only after I have received all necessary pern	thority to carry out the proposed activities.	olication is true, complete, and I agree to start work
I hereby authorize the agent named in Part 3 application (initial)	3 of this application to act on my behalf in m	natters related to this
By initialing here, I state that I have the authorized permitting agencies entering the property where lated to the project (initial)	nere the project is located to inspect the pro WDFW 4AC (netronwide permit 2	ject site or any work
Applicant Printed Name	Applicant Signature	12 / 2 / 20 Date
11b. Authorized Agent Signature [help] I certify that to the best of my knowledge and accurate. I also certify that I have the autonly after all necessary permits have been is	d belief, the information provided in this app othority to carry out the proposed activities a	lication is true, complete,
APRIL ZOHN	Atla	12/15/21
Authorized Agent Printed Name	Authorized Agent Signature	Date
11c. Property Owner Signature (if not applic	,	The LADDAY
Not required it project is on existing rigi	hts-of-way or easements (provide copy of e	asement with JARPA).
I consent to the permitting agencies entering or any work. These inspections shall occur a landowner.		
Property Owner Printed Name	Property Owner Signature	Date
18 U.S.C §1001 provides that: Whoever, in any manne	er within the jurisdiction of any department or agency	of the United States knowingly

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 09/2018

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.





WASHINGTON STATE Joint Aquatic Resources Permit Application (JARPA) [help]

Attachment C: Contact information for adjoining property owners. [help]

Use this attachment	only if you	have more	than four	r adjoining
property owners.				

	AGENCY USE ONLY
Date re	eceived:
Agency	y reference #:
Tax Pa	nrcel #(s):
	O BE COMPLETED BY APPLICANT [help]
	O BE COMPLETED BY ATTECANT [Help]
Projec	t Name:
Location	on Name (if applicable):

Use black or blue ink to enter answers in white spaces below.

1. Contact information for all adjoini	ng property owners. [help]	
Name	Mailing Address	Tax Parcel # (if known)
Daniel Rasar DCD Marital Trust	1407 Alpine View Place	P127409
Equity Trust CO Custodian	Mt. Vernon, WA 98274	
Haller Farms Edison LLC	PO Box 2404	P33786, P33787, P33788
c/o Randy Oostra	Mt. Vernon, WA 98273	
Drainage District #16	15283 Sunset Road	P33789
c/o Lohman David	Bow, WA 98232	
Sunwest Farm LLC	14883 Sunset Road	P33790, P33802
	Bow, WA 98232	
Edison Fields, LLC (APPLICANT)	1950 Discovery Heights Drive	P33797, P33799
	Bellingham, A 98226	
Philip Wynne	21073 Mann Road	P33800
	Mt. Vernon, WA 98273	
Tony and Heidi Brekenridge	6082 West Edison Lane	P33822
	Bow, WA 98232	
Nancy Allen	PO Box 221	P33828, P33835
	Bow, WA 98232	
Corey and Rachel Johnson	6896 Farm to Market Road	P33830
	Bow, WA 98273	
Jon Kevin Rasar	17684 Allen Road	P33844, P33845
	Bow, WA 98232	

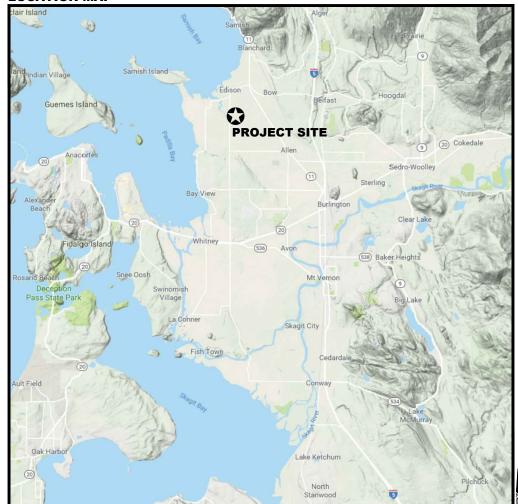
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US-WA-337-01 EDISON FIELDS

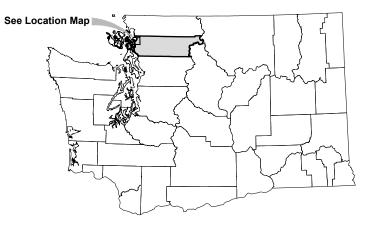


LOCATION MAP



VICINITY MAP

WASHINGTON



PROJECT LOCATION

Township: T 35 N Range: R 3 E Meridian: Willamette County: Skagit State: Washington

SURVEY DATUM

Horizontal: NAD 83 US State Plane Washington North Zone Vertical: NAVD88 Units: US Feet

MAP DATA

Contour Interval: 1 Foot

Aerial Photo: Google

SHEET INDEX

1	Cover Sheet
_	Definitions 9 Logon

- Site Plan
- Details

EMERGENCY CONTACT INFORMATION

In case of fire: CALL 911

Landowner: Greg Hinton (360) 739-0723

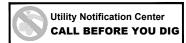
PROJECT DIRECTORY

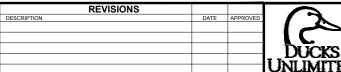
Ducks Unlimited, Inc. Western Regional Office 3074 Gold Canal Drive Rancho Cordova, Ca. 95670-6116 Ph. (916) 852-2000

90% DESIGN

Unauthorized Changes & Uses The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes must

be in writing and must be approved by the preparer of these plans.







ECT NO.	US-WA-337-01	DATE:	9/6/2019	DESIGNED BY:	SWL
	EDISON FIE	LDS		DRAWN BY:	JTS
				SURVEYED BY:	SWL
				CHECKED BY:	SWL
OVED BY	/ :			SHEET NO.	
				1 o	f 5

GENERAL NOTES:

- 1. Ducks Unlimited makes no representations as to the existence or nonexistence of utilities. It is the responsibility of the contractor to comply with the provisions of all applicable utility notification regulations. The contractor will be liable for any damage to utilities caused by construction
- 2. The engineer does not represent that the location of utilities shown on the plans are exact or complete. It shall be the responsibility of the contractor to determine the presence of, actual locations of and make provisions for all watercourses and utilities. The contractor shall verify location, depth and height. Their verification shall be coordinated by the contractor with the
- 3. The contractor shall exercise extreme caution when working in the vicinity of overhead power lines. Verify location in the field and protect in place.
- 4. At least 2 working days prior to beginning any digging or excavation work, the contractor shall notify underground service alert (a.k.a. USA North) at www.usanorth.org or by phone at 811 or 1-800-227-2600, to determine locations of existing utilities.
- 5. In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for the conditions of the job site including safety of all persons and property during performance of the work. The contractor shall ensure that all work is performed in accordance with occupational safety laws, including the design and construction of proper shoring of trenches. The duties of the project engineer do not include review of the adequacy of the contractor's safety in, on, or near the job site.
- 6. It is the responsibility of the contractor to be knowledgeable about the project specifications and permits. All work shall be completed in compliance with the contract documents. The contractor shall have copies of the most current approved plans, specifications and permit conditions on site during all work operations.
- 7. The project site and adjacent areas contain sensitive habitat areas for protected wildlife, and may include endangered species. The contractor shall protect wildlife and water quality, and minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- Should it appear that the work to be done, or any matter relative thereto, is not sufficiently detailed or explained on these plans or in the specifications, the contractor shall contact the construction manager for such further explanations as may be necessary.
- 9. Should the contractor find any discrepancies between the conditions existing in the field and the information shown on the drawings, he shall notify the construction manager before proceeding with construction.

SURVEY POINT DESCRIPTORS

СТВМ	Bench Mark (permanent)	RDSH	Road Shoulder
CTBT	Bench Mark (temporary)	RDSN	Road Sign
CTCP	Survey Control Point (permanent)	RDTO	Road, Toe of Slope
CTCT	Survey Control Point (temporary)	RDTP	Road, Top of Slope
DIFL	Ditch Flowline	SDMH	Storm Drain, Manhole
DIGB	Ditch Grade Break	SDPI	Storm Drain, Pipe Invert
DITO	Ditch Toe	SDPT	Storm Drain, Pipe Top
DITP	Ditch Top	SSMH	Sanitary Sewer, Manhole
ELBX	Electric, Box or Pullbox	SWFL	Swale Flowline
ELGY	Electric, Guy Wire	SWGB	Swale Grade Break
ELPP	Electric, Power Pole	SWTO	Swale Toe
ELSN	Electric, Warning Sign	SWTP	Swale Top
ELTR	Electric, Transformer	TFBL	Topo Feature, Building
ELTW	Electric, Tower	TFBR	Topo Feature, Brush
ELVT	Electric, Vault	TFCO	Topo Feature, Concrete (pad, slab, etc.)
FNAP	Fence Angle Point	TFFL	Topo Feature, Flowline
FNCR	Fence Corner	TFGB	Topo Feature, Grade Break
FNGT	Fence Gate	TFGS	Topo Feature, Ground Shot
FNLN	Fence Line	TFRK	Topo Feature, Rock Or Rocky Area Boundary
IRCO	Irrigation Concrete Pad	TFTL	Topo Feature, Tree line
IRCP	Irrigation Control Panel	TFTO	Topo Feature, Grade Break at Toe
IRPI	Irrigation Pipe Invert	TFTP	Topo Feature, Grade Break at Top
IRPM	Irrigation Pump	TFTR	Topo Feature, Tree
IRPT	Irrigation Pipe Top	WAEW	Edge of Water
IRVL	Irrigation Valve	WAHW	High Water Mark
IRWL	Irrigation Well	WAUW	Under Water Ground Shot
LVCL	Levee Centerline	WAWS	Water Surface
LVGB	Levee Grade Break	WCFL	Water Control Structure, Flowline/Invert at Structure
LVTO	Levee Toe of Slope	WCFR	Water Control Structure, Frame Top
LVTP	Levee Top of Slope	WCHW	Water Control Structure, Headwall
RDCL	Road, Centerline	WCPI	Water Control Structure, Pipe Invert at Outlet
RDED	Road, Edge of Dirt Road	WCPT	Water Control Structure, Pipe Top at Outlet
RDEG	Road, Edge of Gravel Road	WCST	Water Control Structure, Top of Structure
RDEP	Road, Edge of Paved Road	WCWW	Water Control Structure, Wing Wall
RDGB	Road Grade Break		-

WS

WSEL

WWF

Water Surface

Water Surface Elevation

Welded Wire Fabric Slope, Horizontal:Vertical

ABBREVIATIONS

AB	Aggregate Base	MIN	Minimum
AC	Acre	MISC	Miscellaneous
APPROX	Approximate	(N)	New
BM	Benchmark	N	North
CAP	Corrugated Aluminum Pipe	NIC	Not In Contract
CC	Center to Center	NTS	Not To Scale
CF	Cubic Foot	OC	On Center
CFS	Cubic Foot Per Second	OD	Outside Diameter
CL, €	Centerline	PIP	Pressure Irrigation Pipe
CMP	Corrugated Metal Pipe	PP	Power Pole
CMPA	Corrugated Metal Arch Pipe	PSI	Pounds per Square Inch
CONC	Concrete	PT	Pressure Treated
CP	Control Point	PVC	Polyvinyl Chloride
CY	Cubic Yard	QTY	Quantity
DEMO	Demolish	R	Right
DIA, Ø	Diameter	RCB	Reinforced Concrete Box
Dp	Pipe Diameter	RD	Road
Dr	Riser Diameter	REF	Reference Dimension
DU	Ducks Unlimited, Inc.	REQD	Required
D/S	Downstream	ROW	Right Of Way
E	East	S	South
EG	Existing Ground	SCH	Schedule
EL	Elevation	SS	Stainless Steel
EX, EXIST	Existing	SDR	Standard Dimension Ratio
FG	Finished Grade	SF	Square Feet
FL	Flowline	SHT	Sheet
FRG	Final Rough Grade	SP	Special
FT	Foot, Feet	SPECS	Specifications
FTG	Fitting, Footing	SY	Square Yard
GA	Gauge	STA	Station
GB	Grade Break	STD	Standard
Н	Height	TBD	To Be Determined by Engineer
HDPE	High-Density Polyethylene	TBM	Temporary Benchmark
HR	Half Round	TE	Top Elevation
ID	Inside Diameter	TEMP	Temporary
IE	Invert Elevation	TOI	Top of Island
IG	Initial Grade	TOL	Top of Levee
IN	Inch, Inches	TOB	Top of Berm
INV	Invert	TYP	Typical
IPS	Iron Pipe Size	USA	Underground Service Alert
L	Length, Left	U/S	Upstream
LBF	Pounds-Force	VLV	Valve
LF	Linear Feet	W	Width, West (where applicable)
MAINT	Maintenance	W /	With
MAX	Maximum	WCS	Water Control Structure

	x	Existing Fence Line - Barbed Wire	-0-	Existing Power / Telephone Pole
		Existing Fence Line - Chain Link	(Existing Electric Guy Wire
	o	Existing Fence Line - Stockade		Existing Electric Transformer
	——— ОН ————	Power / Telephone Overhead Lines	$\bar{\boxtimes}$	Existing Electric Tower
	G	Underground Gas Line		-
S	——— E ———	Electric Line		Existing Electric Vault
Z	FM	Force Main Line	(B)	Existing Blind
0	ss	Sanitary Sewer Line	×	Existing Gate Valve
E	SD	Storm Drain Line	<>→	Existing Air Relief Valve
	TOP		•	Existing Alfalfa / Overflow Valve
	FL	Existing Ditch		Existing Irrigation Well
Z	TOP			Existing Irrigation Pump
0	TOE		W	Existing Water Meter
0	CL	Existing Levee	Ċ,	Existing Fire Hydrant
O	TOE		0	Existing Manhole
Ž			G	Existing Natural Gas Meter / Valve
=		Existing Swale		Existing Sign
				Existing Pipe / Culvert
EXISTING CONDITIONS	EDGE	Existing Road - Dirt		Existing Water Control Structure (Precast Concrete)
	EDGE	y	<u> </u>	Existing Water Control Structure
100		Existing Road - Gravel		(Full Round)
	EDGE	-		Existing Water Control Structure (Half Round)
		Existing Road - Paved	3	Existing Trees / Brushline
	WCS01	Water Control Structure ID#	-	New Power Pole
	<u> </u>		H	New Gate Valve
10	1	Revision Number Identifier		New Air Relief Valve
			•	New Alfalfa / Overflow Valve
5		Cut / Borrow Area / Pothole		New Irrigation Pump
m		Fill Area	~	
Ξ	LXXXX			New Water Control Structure New Water Control Structure
DESIGN SYMBOLS	»»»»»»»»»»	Ditch Cleaning		
(J)		New Ditch Centerline / Flowline	•	Benchmark
Z		New Swale Centerline / Flowline	•	Temporary Benchmark
U		Regrade Existing Swale	▲	Control Point
70		New Levee Centerline		
Ш		Improved Levee Centerline		
		Regraded/Lowered Levee		Grading Example
_		Centerline		
		Remove Existing Levee	TOP Y	T / >
	DESIGN WSFI = XXX X	Design Water Surface Elevation	M	
	WSEL=XXX.X	ī	TOE .	Slope Symbols
DET	AILING CONVENT	TIONS		
Sect	tion Letter —	Section Let	tter — 🔺	Direction of
		etali Number		Section
SE	E SECTION (7)	SEE DETAIL 5	W	
Sh Section	heet WhereD	Sheet Where ———————————————————————————————————	_ (- Sheet Where Section is Shown
		CAL DETAIL		A
	(') ^^	SCALE		Section Cut
	арре	n indicates that detail is typical and may ear on multiple sheets - a number would ate the sheet(s) where detail was taken		(Alternate)
				<u></u>
Section	n Letter — TYPI	CAL SECTION		/

LEGEND & STANDARD SYMBOLS (Symbols do not represent actual scale / size of object)

Existing Fence Line - Barbed Wire

-O- Existing Power / Telephone Pole

Unauthorized Changes & Uses

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REVISIONS

A

XXX



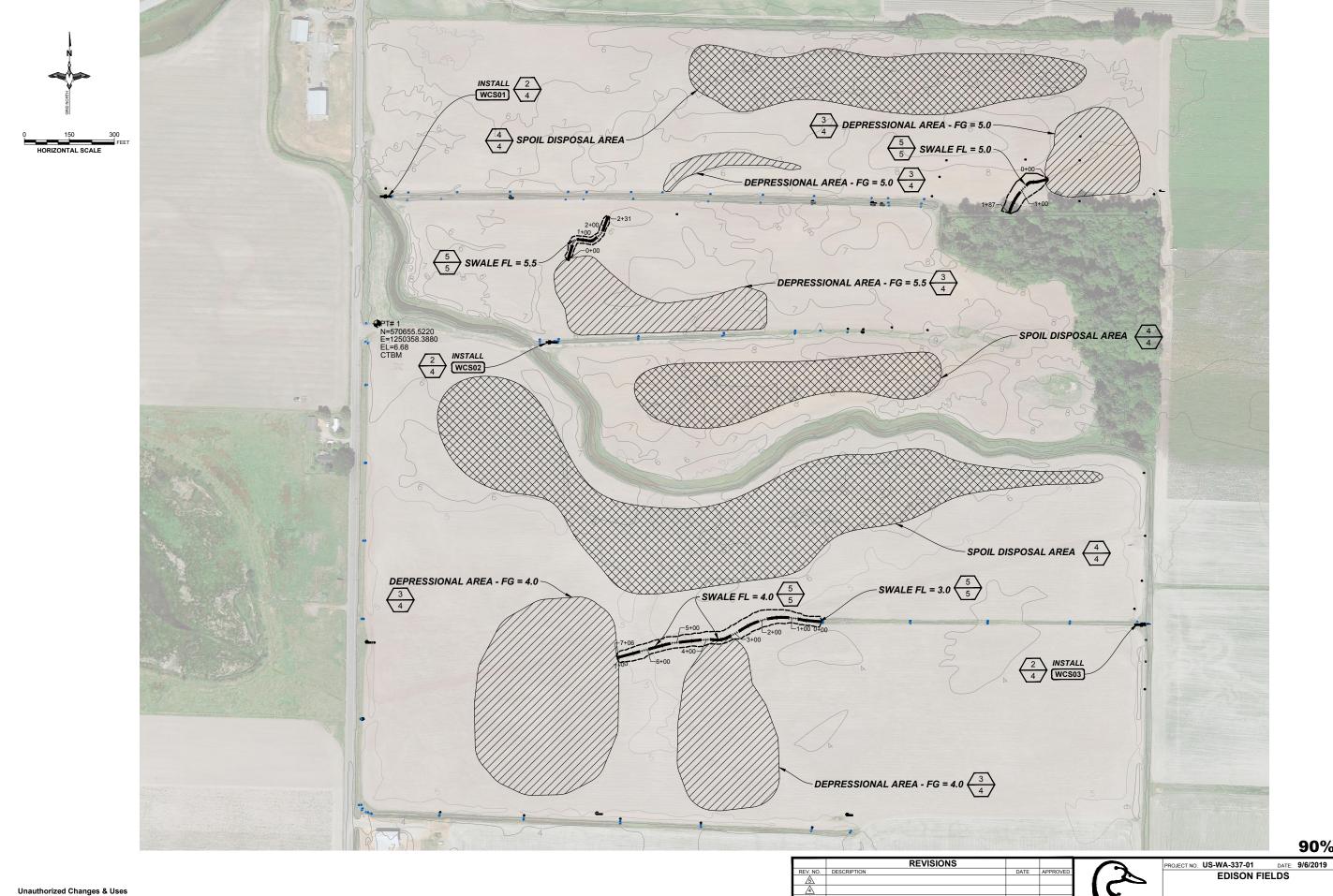
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> 90% DESIGN PROJECT NO. **US-WA-337-01** DATE: **9/6/2019** EDISON FIELDS DRAWN BY URVEYED BY: SWI CHECKED BY: SWL

> > **DEFINITIONS & LEGEND**

Construction Notes (See sheet where appears)

2 of 5

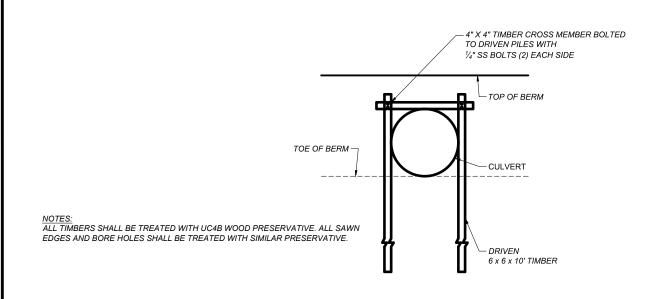


90% DESIGN

SITE PLAN

SURVEYED BY: SWL
CHECKED BY: SWL
SHEET NO.
3 of 5

Unauthorized Changes & Uses
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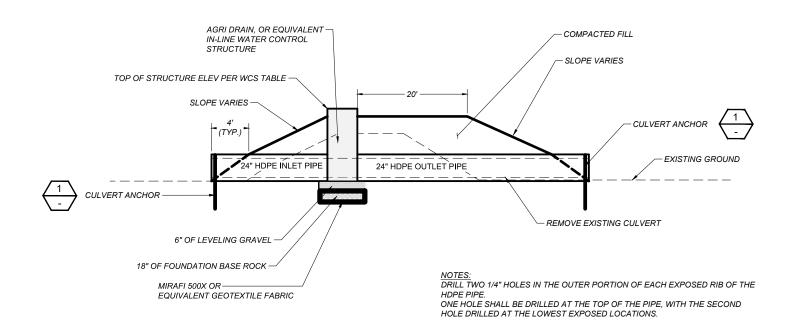


STRIP ORGANICS TO A DEPTH OF 6" PRIOR TO EXCAVATION OF FILL MATERIAL.

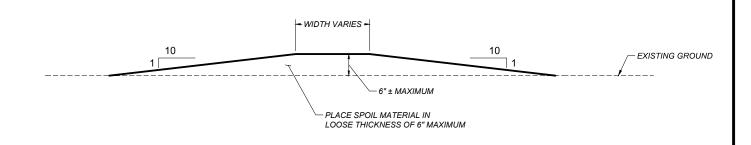
FINISH GRADE AS SHOWN
AFTER RESPREADING OF
STRIPPINGS

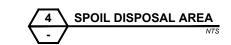
REPLACE STRIPPINGS AFTER EXCAVATION OPERATIONS ARE
COMPLETE. SPREAD TO A THICKNESS OF 6"± 2".

3 DEPRESSIONAL AREA
NTS







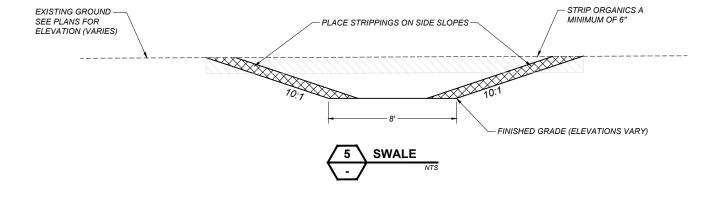


90% DESIGN

	REVISIONS				PROJECT NO. US-WA-337-01 DATE: 9/10/2019	DESIGNED BY:	
REV. NO.	DESCRIPTION	DATE	APPROVED	1 2	EDISON FIELDS	DRAWN BY:	F
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WATER CONTROL STRUCTURE TABLE								
WCS#	H (ft)	INLET PIPE LENGTH (ft)	OUTLET PIPE LENGTH (ft)	PIPE DIAMETER (in)	INLET PIPE INVERT (ft)	OUTLET PIPE INVERT (ft)	TOP OF STRUCTURE ELEVATION	SURROUNDING GROUND ELEVATION
1	6.0	10	30	24	1.5	1.5	7.2	6.5
2	5.0	10	30	24	3.5	3.5	8.2	7.5
3	5.0	10	30	24	2.3	2.3	7.0	6.0

90% DESIGN

DRAWN BY: JTS
SURVEYED BY: SWL

CHECKED BY: SWL SHEET NO. 5 of 5

	REVISIONS				PROJECT NO. US-WA-337-01 DATE: 9/6/2019
NO.	DESCRIPTION	DATE	APPROVED	I / X	EDISON FIELDS
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