



2009



US Army Corps of Engineers
Seattle District

AGENCY USE ONLY

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

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

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

Part 1—Project Identification

Unique project information that makes it easy to identify. [help]

1a. Unique Project Identifier Number (UPI #) <small>[help]</small> <ul style="list-style-type: none"> Don't have one yet? Get one at http://www.epermitting.wa.gov or call the Washington Governor's Office of Regulatory Assistance at (800) 917-0043.
979456-09-01
1b. Project Name (Examples: Smith's Dock or Seabrook Lane Development) <small>[help]</small>
SR 11/I-5 Interchange, Josh Wilson Road Realignment, Milepost 0.0 to 0.20

Part 2—Applicant

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

2a. Name (Last, First, Middle) and Organization (if applicable)			
Washington State Department of Transportation (WSDOT)			
2b. Mailing Address (Street or PO Box)			
15700 Dayton Avenue N., PO Box 330310, MS 138			
2c. City, State, Zip			
Seattle, WA 98133-9710			
2d. Phone (1)	2e. Phone (2)	2f. Fax	2g. E-mail
	()		

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) and Organization (if applicable)			
Contact:			
3b. Mailing Address (Street or PO Box)			
15700 Dayton Avenue N., PO Box 330310, MS 138			
3c. City, State, Zip			
Seattle, WA 98133-9710			
3d. Phone (1)	3e. Phone (2)	3f. Fax	3g. E-mail
	()		

Part 4–Property Owner(s) [\[help\]](#)

Contact information for people or organizations owning the property(ies) where the project will occur. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple property owners. Complete the section below and use [JARPA Attachment A](#) for each additional property owner.

4a. Name (Last, First, Middle) and Organization (if applicable)			
4b. Mailing Address (Street or PO Box)			
4c. City, State, Zip			
4d. Phone (1)	4e. Phone (2)	4f. Fax	4g. E-mail
()	()	()	

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple properties or project locations (e.g., linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional property.

5a. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5n.) [help]			
Interstate 5 (I-5) and State Route 11 (SR 11) Interchange, Exit 231			
5b. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
The interchange is in part within the City of Burlington and unincorporated Skagit County			
5c. County [help]			
Skagit County			
5d. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
	30, 31	35 N	4 E
5e. Provide the latitude and longitude of the project location. [help]			
• Example: 47.03922 N lat. / -122.89142 W long			
48.484831 N lat. / -122.337067 W long			
5f. List the tax parcel number(s) for the project location. [help]			
• The local county assessor's office can provide this information.			
Tax parcel numbers: P38142			
The project site is Washington State Transportation Right-of-Way.			
5g. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input type="checkbox"/> State Owned Aquatic Land <input type="checkbox"/> Tribal <input type="checkbox"/> Private			
<input checked="" type="checkbox"/> Other publicly owned (federal, state, county, city, special districts like schools, ports, etc.)			

5h. Contact information for all adjoining property owners, lessees, etc. (If you need more space, use [JARPA Attachment C.](#)) [\[help\]](#)

Name	Mailing Address	Tax Parcel # (if known)

5i. Is any part of the project area within a 100-year flood plain? [\[help\]](#)

Yes No Don't know

5j. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

General project area:

The project site is located in the 100-year floodplain of the lower Skagit River, west of Burlington Hill within the Lower Skagit/Samish watershed and Joe Leary Slough sub-basin. The slough crosses under I-5 about 0.5 miles north of the I-5/SR 11 interchange and flows west draining into Padilla Bay of Puget Sound. The interchange area consists mostly of mowed roadside weeds and grasses. There are forested sections along the interchange ramps east of I-5 and along sections west of I-5 consisting of Douglas fir, cottonwood, Douglas spiraea, and red elderberry. The old service station area in the southeast corner of the interchange is comprised of an impervious pavement and gravel surface.

Stormwater:

Currently, stormwater runoff in the project area drains untreated through a series of catch basins, pipes, and ditches to Joe Leary Slough. For more details please see the Stormwater Plan Summary.

Wetlands:

Within the project vicinity nine Category IV wetlands were delineated. Two palustrine emergent wetlands (PEM) are located in the southeastern quadrant of the interchange. Wetland 1 is within an agricultural field, wetland 2 is next to SR 11. Six PEM wetlands and one palustrine forested (PFO) wetland are located west of I-5. Wetlands 3, 4, 5 and 8 are within the southwestern quadrant of the interchange adjacent to the I-5 ramps, and wetlands 6, 7 and 9 are located in an agricultural field between SR 11 and Josh Wilson Road.

Most of the wetlands are located within agricultural fields and have a low level of function. For more information on the wetlands please see the Wetland Biology Report.

Jurisdictional Ditches:

Four ditches within the I-5/SR 11 interchange have been identified to meet the jurisdictional ditch criteria according to the Seattle Corps of Engineers. Jurisdictional ditch 1 is located along Old Highway 99 in the northeast quadrant of the interchange. Ditches 2 and 4 are located east of northbound I-5 in the southeast quadrant, and ditch 3 is east of northbound I-5 in the northeast quadrant. Please see the attached Jurisdictional Ditch Memorandum for more information.

5k. Describe how the property is currently used. [\[help\]](#)

The project site is an I-5 and SR 11 interchange (Exit 231) and transportation right-of-way. Josh Wilson Road, Burlington Boulevard, and Old Highway 99 connect to the interchange. The property is used for transportation. The modified I-5 northbound off-ramp will be built on property that used to be an agricultural field. The adjacent land will be developed sometime in the future as a transit center with a Park and Ride facility, a high school play field, and a commercial business strip.

5l. Describe how the adjacent properties are currently used. [\[help\]](#)

Adjacent properties are used for agriculture, commercial business, and a Washington State Patrol office.

5m. Describe the structures (above and below ground) on the property, including their purpose(s). [\[help\]](#)

The property contains highway infrastructure – paved roads, bridges, and culverts. There is an old, decommissioned service station building located within the southeast quadrant of the interchange.

5n. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From I-5 northbound or southbound take Exit 231 to enter the SR 11/I-5 interchange (see vicinity map).

Part 6–Project Description

6a. Summarize the overall project. You can provide more detail in 6d. [\[help\]](#)

The SR 11/I-5 Interchange and Josh Wilson Road Realignment project involves ramp and intersection modifications. The I-5 northbound interchange ramps will be relocated to the southeast quadrant of the interchange and reconfigured to current design standards. The decommissioned ramps will be removed and the area revegetated. The new northbound ramps will be tied into a roundabout with SR 11, Burlington Boulevard, and Old Highway 99. The I-5 southbound interchange ramps, SR 11, and Josh Wilson Road intersection will be upgraded to a roundabout design and Josh Wilson Road will be realigned.

A stormwater treatment and detention facility will be built for the treatment of roadway runoff. Once construction has been completed, all disturbed areas will be restored and replanted with site-appropriate native species.

6b. Indicate the project category. (Check all that apply.) [help]

- Commercial
 Residential
 Institutional
 Transportation
 Recreational
 Maintenance
 Environmental Enhancement

6c. Indicate the major elements of your project. (Check all that apply.) [help]

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Aquaculture | <input checked="" type="checkbox"/> Culvert | <input type="checkbox"/> Float | <input checked="" type="checkbox"/> Road |
| <input type="checkbox"/> Bank Stabilization | <input type="checkbox"/> Dam / Weir | <input type="checkbox"/> Geotechnical Survey | <input type="checkbox"/> Scientific Measurement Device |
| <input type="checkbox"/> Boat House | <input type="checkbox"/> Dike / Levee / Jetty | <input type="checkbox"/> Land Clearing | <input type="checkbox"/> Stairs |
| <input type="checkbox"/> Boat Launch | <input type="checkbox"/> Ditch | <input type="checkbox"/> Marina / Moorage | <input checked="" type="checkbox"/> Stormwater facility |
| <input type="checkbox"/> Boat Lift | <input type="checkbox"/> Dock / Pier | <input type="checkbox"/> Mining | <input type="checkbox"/> Swimming Pool |
| <input type="checkbox"/> Bridge | <input type="checkbox"/> Dredging | <input type="checkbox"/> Outfall Structure | <input type="checkbox"/> Utility Line |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Fence | <input type="checkbox"/> Piling | |
| <input type="checkbox"/> Buoy | <input type="checkbox"/> Ferry Terminal | <input type="checkbox"/> Retaining Wall (upland) | |
| <input type="checkbox"/> Channel Modification | <input type="checkbox"/> Fishway | | |

Other: _____

6d. Describe how you plan to construct each project element checked in 6c. 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 flood plain.

Road construction (roundabouts, ramp reconfiguration, Josh Wilson Road alignment):

An estimated 5.4 acre area will be cleared and graded for the interchange improvement project. The road realignments, new ramp locations, and roundabouts will be built by adding fill material consisting of either select or gravel borrow (exact material to be determined). The new interchange segments will be paved. A retaining wall will be built along SR 11 at the new roundabout location in the northwest section of the interchange. In the northeast quadrant of the interchange, an existing 48 inch culvert pipe will be extended by 50 feet to accommodate the relocated I-5 northbound on-ramp.

The entire project area is located within the 100-year flood plain.

Work in Wetlands:

A section of the new northbound on and off ramps will be built across wetland 1 and the eastern corner of wetland 2. A narrow vegetated filter strip for water quality treatment will be installed along the base of the off-ramp in wetland 1. A T-post fence with barbwire will be constructed along the right-of-way limited access line which in part traverses wetland 1 and wetland 7. The new roundabout in the northwest quadrant of the interchange will be built on top of wetland 3 and 8. The SR 11 leg of the roundabout will require excavation on the eastern edge of wetland 7 for the construction of a retaining wall. The retaining wall will probably consist of cast in place concrete. Please see attached plan sheets pages 2 through 6 for exact impact locations.

Stormwater facilities:

The project has been designed to meet the 2008 WSDOT Highway Runoff Manual for stormwater quality and flow control of new and replaced impervious surfaces. A detention pond will be constructed in the southwest quadrant of the interchange for stormwater collection and flow control. Filter strips for water quality treatment will be installed along the new I-5 ramps in the southeast quadrant of the interchange. Bioswales will be used to treat runoff from the two proposed roundabouts.

The existing northbound on and off ramps will be decommissioned, the surfacing and upper, compacted portion of the road prism removed, and the area restored with native vegetation. The old service station and the impervious gravel surface will also be removed and the area revegetated to create pervious surfaces for stormwater infiltration. For a more detailed summary of the proposed stormwater facilities please see the attached Stormwater Plan Summary.

Work in Jurisdictional Ditches:

Three out of the four identified jurisdictional ditches in the project area will be impacted by the project. An estimated eighty-five feet of ditch 1 along Old Highway 99 will be filled and relocated to the toe of the proposed roundabout in the northeast quadrant of the interchange.

Approximately seventy-four linear feet of ditch 3 will be filled due to added road prism and culvert extension for the new I-5 northbound on-ramp. The filled ditch segment will be relocated east along the bottom of the new ramp and reconnected to the opening of the extended culvert.

All of ditch 4 (estimated 100 feet) will be filled by the realignment of the new I-5 northbound off-ramp. Ditch 4 used to be trenched annually in various locations by the former property owner to drain the agricultural field southeast of the interchange to the natural low spot at the northeastern edge of the field (draining towards wetland 1). After project construction, wetland 1 will continue to receive drainage from the remaining upland area south of it. The treated runoff from the proposed northbound off-ramp across wetland 1 will be infiltrated in the wetland.

Best Management Practices (BMPs):

To minimize impacts to wetlands and jurisdictional ditches in the project area, the following BMPs (or functional equivalent) will be used during construction: silt fences, stabilized construction entrances, check dams, temporary seeding, and high visibility fencing of sensitive areas.

The proposed retaining wall along the edge of wetland 7 will probably be built with cast in place concrete. To protect the wetland from potential runoff during wall construction a silt fence with a compost sock or equivalent will be installed within the limits of the high visibility fence. The edges of the silt fence will be tied inward at the construction site limits to prevent runoff from escaping. While the concrete cures, it will be covered with plastic during rainy weather to prevent rainwater and potential runoff from getting in contact with the fresh concrete. A contained washout area away from sensitive areas will be designated to clean construction equipment from fresh concrete.

Wetland 1 ponds seasonally around mid winter through spring. Construction work for the northbound off-ramp within wetland 1 will be avoided when standing water is present.

The installation of the limited access fence which is proposed across wetland 1 and wetland 7 will be limited to the dry season from July through September to reduce possible impacts to the wetlands. The fence outside the wetland areas will consist of T-posts with occasional concrete poured posts for stability. To minimize wetland impacts, the fence within the wetland areas will consist only of T-posts that can be pounded into the ground without needing a concrete base. A pick up truck or other vehicle will drive along the limited access line with fencing equipment. Construction workers will pound in the T-posts of the fence and connect the posts with wire mesh. The vehicle and installation activities will be limited to a 10 feet wide work area along the limited access line to reduce possible impacts to the wetlands.

Construction equipment used:

Construction equipment will include excavators, bulldozers, dump trucks, back hoes, air compressors, pavement grinders, paving machines, vibratory rollers, striping trucks, and signing equipment.

6e. What are the start and end dates for project construction? (month/year) [help]

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start date: 02/2010 End date: 01/2011 See JARPA Attachment D

6f. Describe the purpose of the work and why you want or need to perform it. [help]
The purpose of the project is to improve safety and mobility in the interchange vicinity. Existing traffic conditions at the interchange are at capacity and are predicted to be insufficient to handle future traffic volumes. The current ramp and intersection configurations cause conflicting traffic movements, congestion and safety problems. The proposed improvements aim to reduce the number, severity, and risk of accidents and increase mobility by improving the level of service through the interchange.
6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]
\$ 11.7 million
6h. Will any portion of the project receive federal funding? [help]
<ul style="list-style-type: none"> • If yes, list each agency providing funds.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know

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.)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]
<input type="checkbox"/> Not applicable
Please see the "Avoidance and Minimization of Wetland Impacts" section of the Wetland Mitigation Report.
7b. Will the project impact wetlands? [help]
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7c. Will the project impact wetland buffers? [help]
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7d. Has a wetland delineation report been prepared? [help]
<ul style="list-style-type: none"> • If yes, submit the report, including data sheets, with the JARPA package.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]
<ul style="list-style-type: none"> • If yes, submit the wetland rating forms and figures with the JARPA package.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]
<ul style="list-style-type: none"> • If yes, submit the plan with the JARPA package.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable

7g. Use the table below to list the type and rating of each wetland that will be impacted; the extent and duration of the impact; and the type and amount of compensatory mitigation proposed. If you are submitting a compensatory mitigation plan with a similar table, you may simply state (below) where we can find this information in the mitigation plan. [\[help\]](#)

Activity causing impact (fill, drain, excavate, flood, etc.)	Wetland type and rating category ¹	Impact area (acres)	Duration of impact ²	Proposed mitigation type ³	Wetland mitigation area (acres)
Wetland 1:	PEM / Cat. IV				
WL1: Fill		1.15	permanent	B	0.98
WL1: minor soil disturbance		0.20	temporary	on site restoration	N/A
WL1 Buffer: Fill		0.30	permanent	B	Covered by mitigat. bank buffer
WL1 Buffer: minor disturbance		0.04	temporary	on site restoration	N/A
Wetland 2:	PEM / Cat. IV				
WL2: Fill		0.02	permanent	B	0.02
WL2: minor soil disturbance		0.01	temporary	on site restoration	N/A
WL2 Buffer: Fill		0.02	permanent	B	Covered by mitigat. bank buffer
WL2 Buffer: minor disturbance		0.01	temporary	on site restoration	N/A
Wetland 3:	PFO / Cat. IV				
WL3: Fill		0.05	permanent	B	0.04
Wetland 7:	PEM / Cat. IV				
WL7: Excavation and Fill		0.04	permanent	B	0.03
WL7: minor soil disturbance		0.03	temporary	on site restoration	N/A
WL7 Buffer: Fill		0.01	permanent	B	Covered by mitigat. bank buffer
WL7 Buffer: minor soil disturbance		0.02	temporary	on site restoration	N/A
Wetland 8:	PEM / Cat. IV				
WL8: Fill		<0.01	permanent	B	0.01

¹ Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

² Indicate the time (in months or years, as appropriate) the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

³ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: Pages 8, 9, 19

7h. For all filling activities identified in 7g., 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. [\[help\]](#)

Wetlands 1, 2, 3, 7 and 8 will be filled with road prism building material (select or gravel borrow) using typical construction methods and equipment such as dump trucks, excavators, and dozers. The fill source will be a WSDOT approved pit site.

Fill per wetland in cubic yards:

WL1 = 9848 (placed across the wetland)

WL2 = 129 (placed in the eastern corner)

WL3 = 981 (the entire wetland will be filled)

WL7 = 117 (placed on the eastern edge)

WL8 = 118 (the entire wetland will be filled)

Please see attached plan sheets page 3-6 for exact fill impact locations.

7i. For all excavating activities identified in 7g., describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

An estimated 31 cubic yards of wetland 7 will be excavated for the construction of a retaining wall. The type of material excavated could be native soils, fill material placed when the interchange was constructed, or a combination of the two. The eastern edge of wetland 7 will be excavated using an excavator and dump trucks. The material will be disposed off at a WSDOT approved site.

7j. Summarize what the compensatory mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

Please see Chapter 4/Mitigation Strategy of the Wetland Mitigation Report for information.

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

The slopes of the proposed northbound on and off ramps were steepened from 6:1 to 3:1 and 4:1. This decreases the amount of needed road prism fill and therefore reduces fill impacts to jurisdictional ditch 3.

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes No

8c. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity causing impact (clear, dredge, fill, pile drive, etc.)	Waterbody name	Impact location ¹	Duration of impact ²	Amount of material to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Fill	Jurisdictional Ditch 1	Below Scour Mark	Permanent	3.2 cubic yard	85 linear ft.
Fill	Jurisdictional Ditch 3	Below Scour Mark	Permanent	11 cubic yard	74 linear ft.
Fill	Jurisdictional Ditch 4	Below Scour Mark	Permanent	3.7 cubic yard	100 linear ft.

¹ 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.
² Indicate the time (in months or years, as appropriate) the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8d. 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.

Yes No Not applicable

8e. Summarize what the compensatory mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7j., you do not need to restate your answer here. [\[help\]](#)

Not applicable.

8f. For all activities identified in 8c., 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. [\[help\]](#)

Jurisdictional ditch 1 (3.2 CY), 3 (11 CY), and 4 (3.7 CY) will be filled with road prism building material (select or gravel borrow) below the scour mark using typical construction methods and equipment such as dump trucks, excavators, and dozers. The source of fill will be from a WSDOT approved pit site. For a description of the fill impacts please see section 6d. Work in Jurisdictional Ditches.

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

None.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project.

9a. If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
Skagit County			03/16/2009
		()	
		()	

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 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: <http://www.ecy.wa.gov/programs/wq/303d/>.

Yes 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.

HUC 171100020203

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm> to find the WRIA #.

WRIA 03

9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

Yes 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.
- For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.

Rural Urban Natural Aquatic Conservancy Other _____

9g. What is the Washington Department of Natural Resources Water Type? [\[help\]](#)

- Go to http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System.

S F Np Ns

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: 2008 WSDOT Highway Runoff Manual

9i. If you know what the property was used for in the past, describe below. [\[help\]](#)

The SR 11 and I-5 interchange has been used for transportation for many years. The proposed modified I-5 northbound off-ramp will be built on property that used to be an agricultural field.

9j. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If yes, attach it to your JARPA package.

Yes No

9k. 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. [\[help\]](#)

Please see the Determination of "No Effect" for Federally Listed Species under the ESA for more information.

9I. 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]

Please see the Determination of "No Effect" for Federally Listed Species under the ESA for more information.

Part 10—Identify the Permits You Are Applying For

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

- Online Project Questionnaire at <http://apps.ecy.wa.gov/opas/>.
- Governor's Office of Regulatory Assistance at (800) 917-0043 or help@ora.wa.gov.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with _____ (lead agency). The expected decision date is _____.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.)

- Submit the Fish Habitat Enhancement Project form with this application. The form can be found at <http://www.epermitting.wa.gov/Portals/JarpaResourceCenter/images/default/fishenhancement.doc>

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. [help]

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:

Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption

Washington Department of Ecology:

Section 401 Water Quality Certification

Washington Department of Natural Resources:

Aquatic Resources Use Authorization

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures required before submitting the JARPA package.

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

Applicant

3/19/09

Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Authorized Agent

Date

11c. Property Owner Signature (if not applicant) [\[help\]](#)

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Property Owner

Date

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.

If you require this document in another format, contact The Governor's Office of Regulatory Assistance (ORA). People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341.
ORA publication number: ENV-019-09



(NAVD) 88

END CONSTRUCTION
SR 11 (CHUCKANUT DR.)
 H 14+17.00
 MP = 0.18

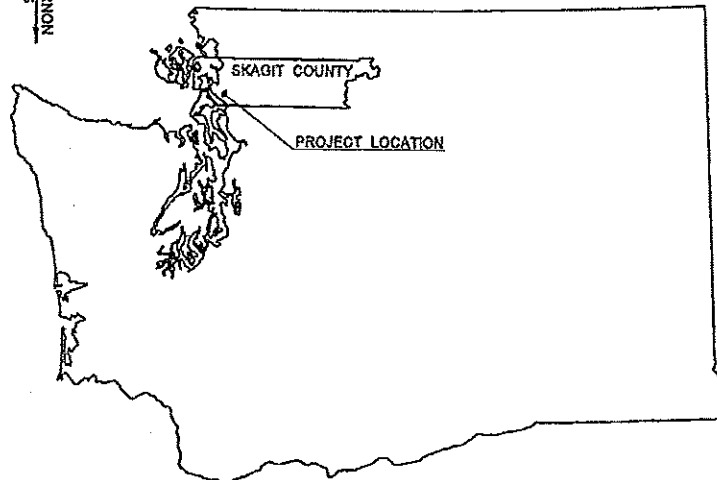
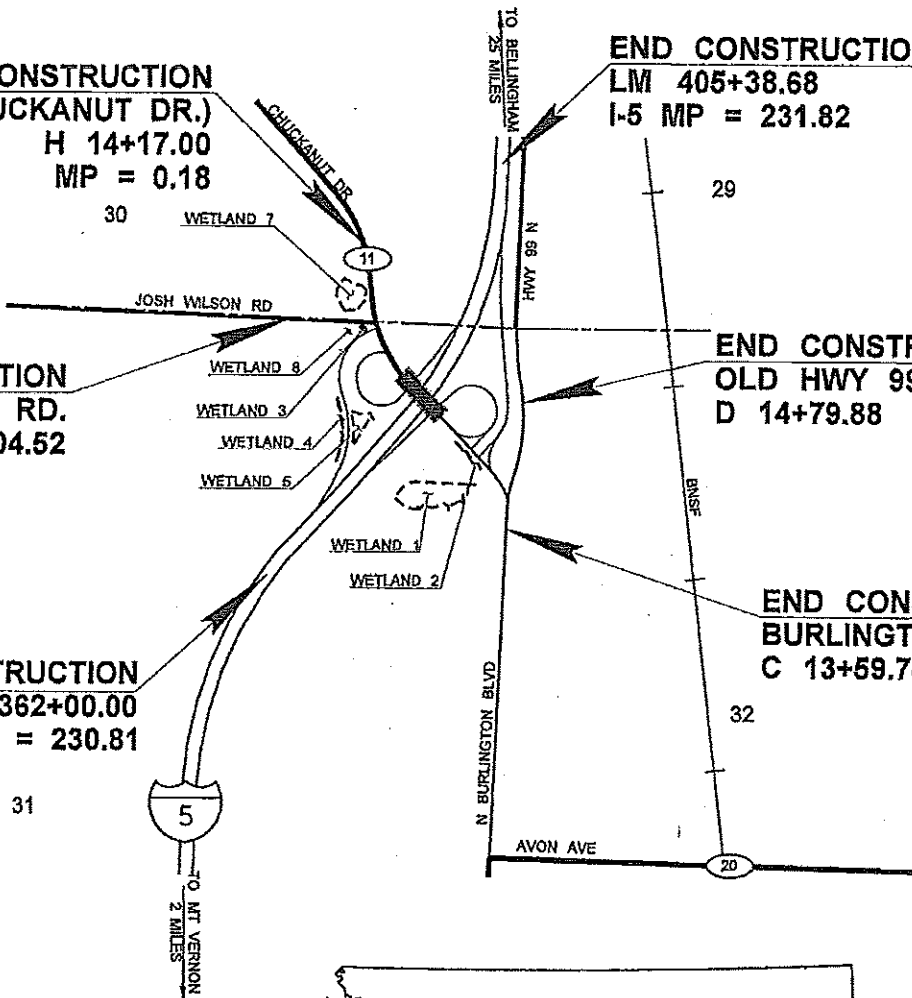
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 LM 405+38.68
 I-5 MP = 231.82

END CONSTRUCTION
JOSH WILSON RD.
 G 11+04.52

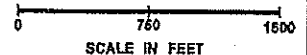
END CONSTRUCTION
OLD HWY 99
 D 14+79.88

BEGIN CONSTRUCTION
 LM 362+00.00
 I-5 MP = 230.81

END CONSTRUCTION
BURLINGTON BLVD.
 C 13+59.74




DIRECTIONS:
 DRIVE I-5 NORTH TO EXIT 231; SR 11 (CHUCKANUT DR.)
 ROUNDABOUTS WILL BE CONSTRUCTED IN THE
 VICINITY OF EACH RAMP TERMINAL. NORTHBOUND
 RAMP WILL BE RELOCATED TO THE SOUTH EAST
 QUADRANT OF THE INTERCHANGE, NEAR WETLAND 1

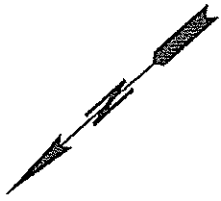
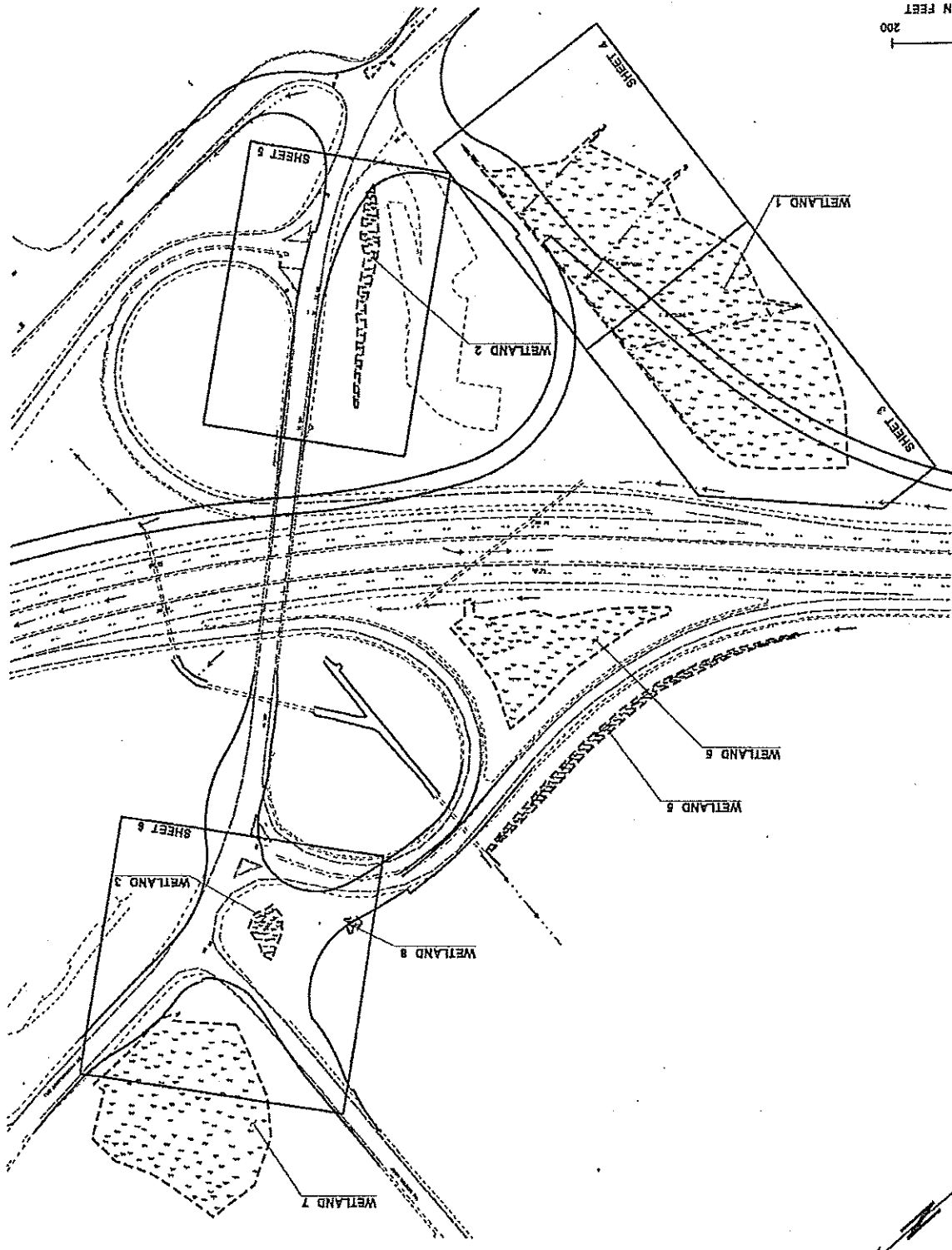
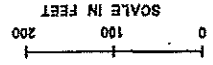


PURPOSE: IMPROVE SAFETY & MOBILITY	REFERENCE:
PROPOSED: ROUNDABOUT INTERSECTIONS	APPLICANT: WSDOT
LOCATION: SR 11	COUNTY: SKAGIT
DATUM: (NAVD) 88	NEAR: BURLINGTON WASHINGTON
ADJACENT PROPERTY OWNERS: KNUITZEN, STARLIGHT GROUP LLC, GUFFIE	WATER BODY: JOE LEARY SLOUGH
	DATE: 4 /27 /2009

Washington State
Department of Transportation

SHEET: 1 OF: 9

 Washington State Department of Transportation SHEET 2 OF 9	DATE: 4/27/2009	STARLIGHT GROUP LLC, GUFFIE
	WATER BODY: JOE LEARY SLOUGH	ADJACENT PROPERTY OWNERS: KNUTZEN,
	NEAR: BURLINGTON WASHINGTON	DATUM: (NAVD) 88
	COUNTY: SKAGIT	LOCATION: SR 11
	APPLICANT: WSDOT	PROPOSED: ROUNDABOUT INTERSECTIONS
REFERENCE:	PURPOSE: IMPROVE SAFETY & MOBILITY	

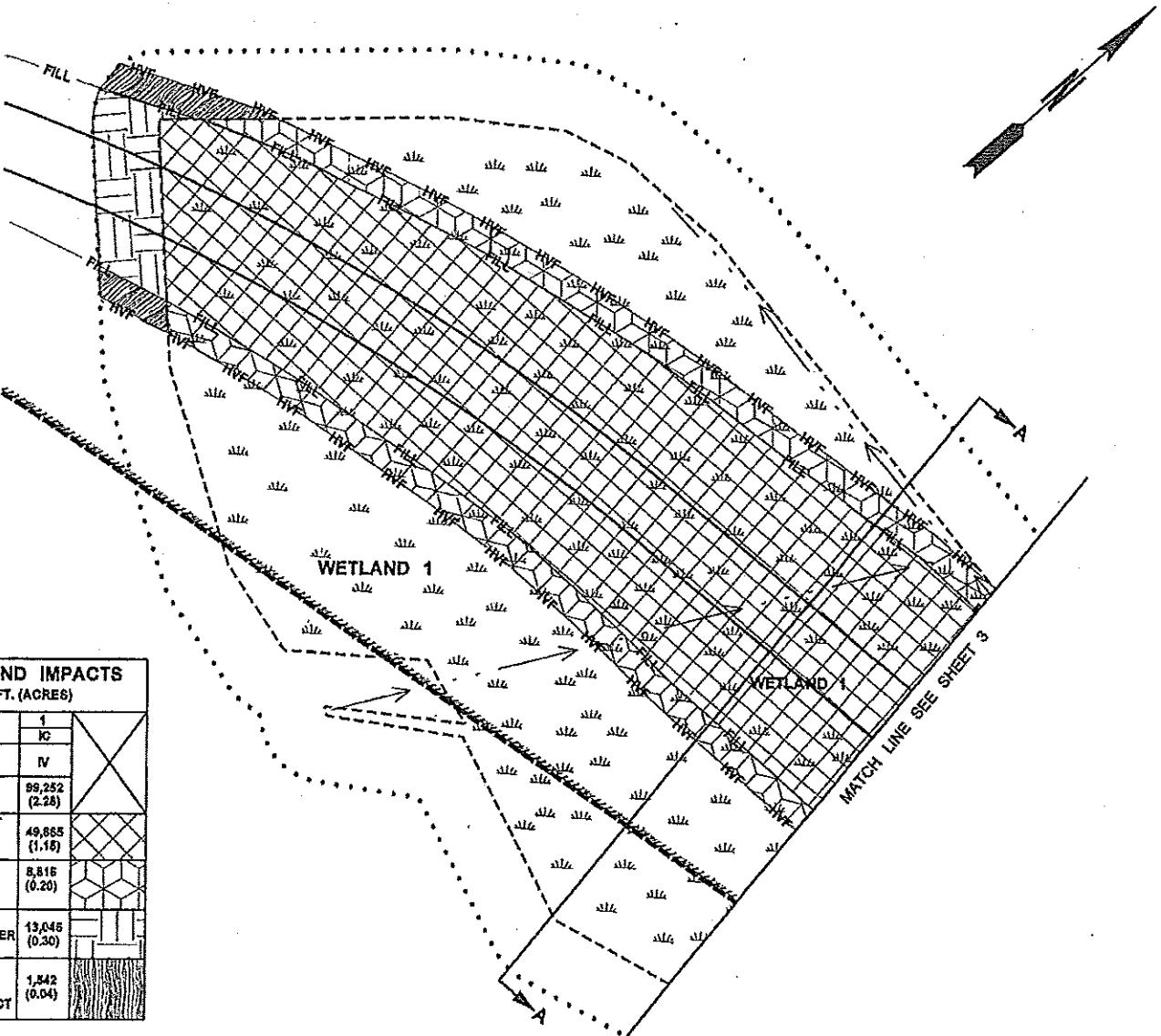


SHEET LOCATION & LAYOUT

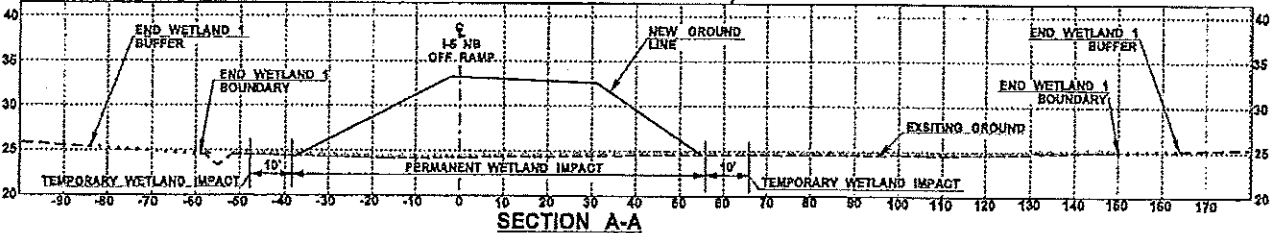




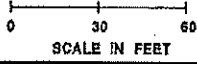
(NAVD) 88



WETLAND IMPACTS		SQ. FT. (ACRES)	
WETLAND #	1		
DOE CATEGORY	IC		
	IV		
WETLAND AREA	99,252 (2.28)		
PERMANENT WETLAND IMPACT	49,885 (1.18)		
TEMPORARY WETLAND IMPACT	8,816 (0.20)		
PERMANENT WETLAND BUFFER IMPACT	13,045 (0.30)		
TEMPORARY WETLAND BUFFER IMPACT	1,542 (0.04)		



LEGEND	
WSDOT RAW ACCESS CONTROLLED	EXISTING DITCH
HIGH VISIBILITY FENCE - HVF	EDGE OF PAVEMENT NEW
STREAM BUFFER	NEW FENCE
WETLAND BUFFER	FILL LINE
WETLAND SYMBOL	EXISTING GRAVEL EDGE
WETLAND BOUNDARY	EXISTING WHITE LINE
	EXISTING PAVED EDGE



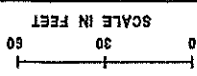
NOTE:
 1. SEE SHEET 3 FOR THE REMAINDER OF WETLAND 1.
 2. HIGH VISIBILITY FENCE WILL BE STAKED IN THE FIELD.

PURPOSE: IMPROVE SAFETY & MOBILITY	REFERENCE:
PROPOSED: ROUNDABOUT INTERSECTIONS	APPLICANT: WSDOT
LOCATION: SR 11	COUNTY: SKAGIT
DATUM: (NAVD) 88	NEAR: BURLINGTON WASHINGTON
ADJACENT PROPERTY OWNERS: KNUZTEN, STARLIGHT GROUP LLC, GUFFIE	WATER BODY: JOE LEARY SLOUGH
	DATE: 4 /27 /2009

Washington State
 Department of Transportation
 SHEET: 3 OF: 9



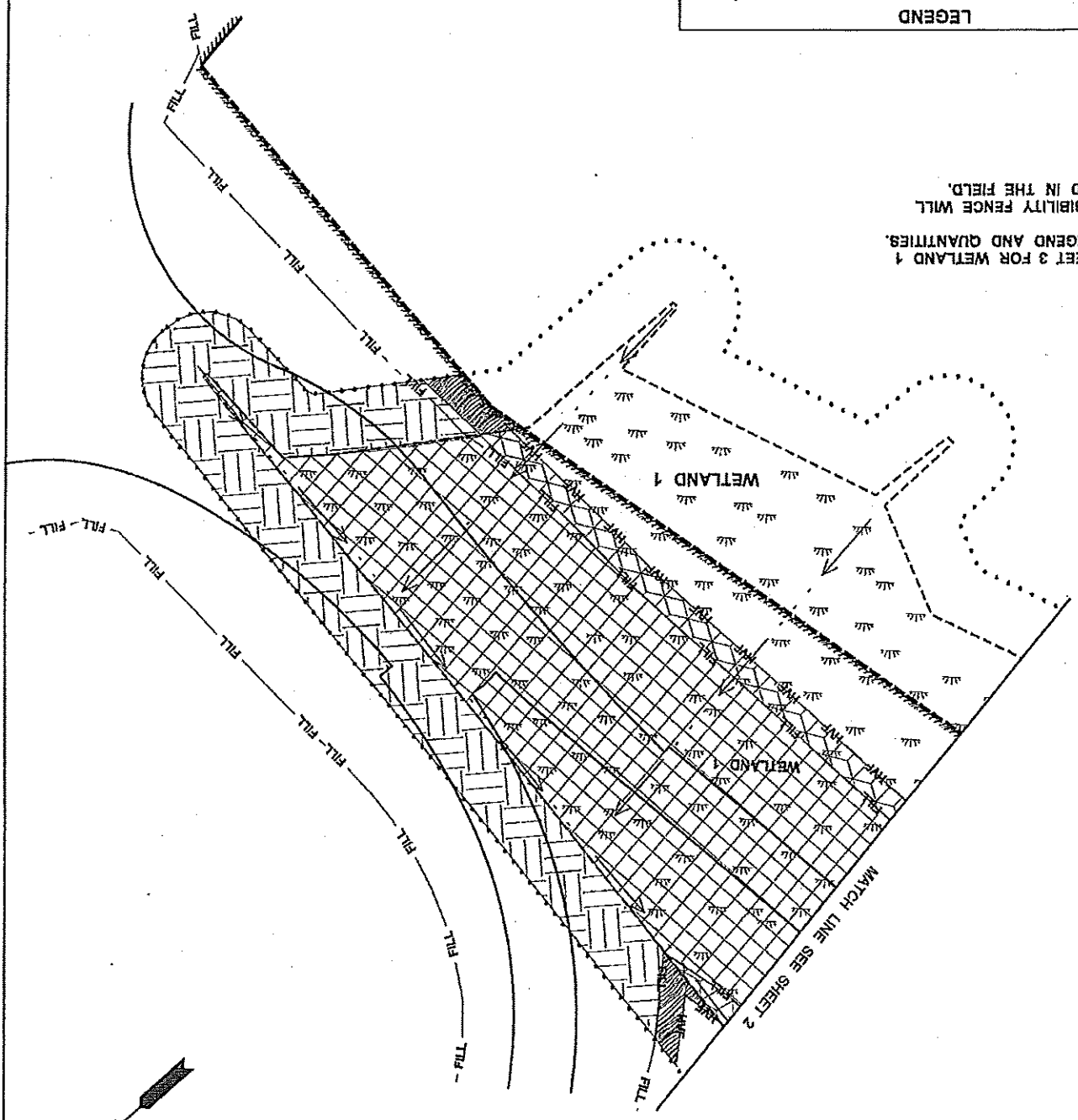
STARLIGHT GROUP LLC, GUFFIE
ADJACENT PROPERTY OWNERS: KNUTZEN,
DATE: (NAVD) 88
LOCATION: SR 11
PROPOSED, ROUNDABOUT INTERSECTIONS
PURPOSE: IMPROVE SAFETY & MOBILITY
REFERENCE:
APPLICANT: WSDOT
COUNTY: SKAGIT
NEAR: BURLINGTON WASHINGTON
WATER BODY: JOE LEARY SLOUGH

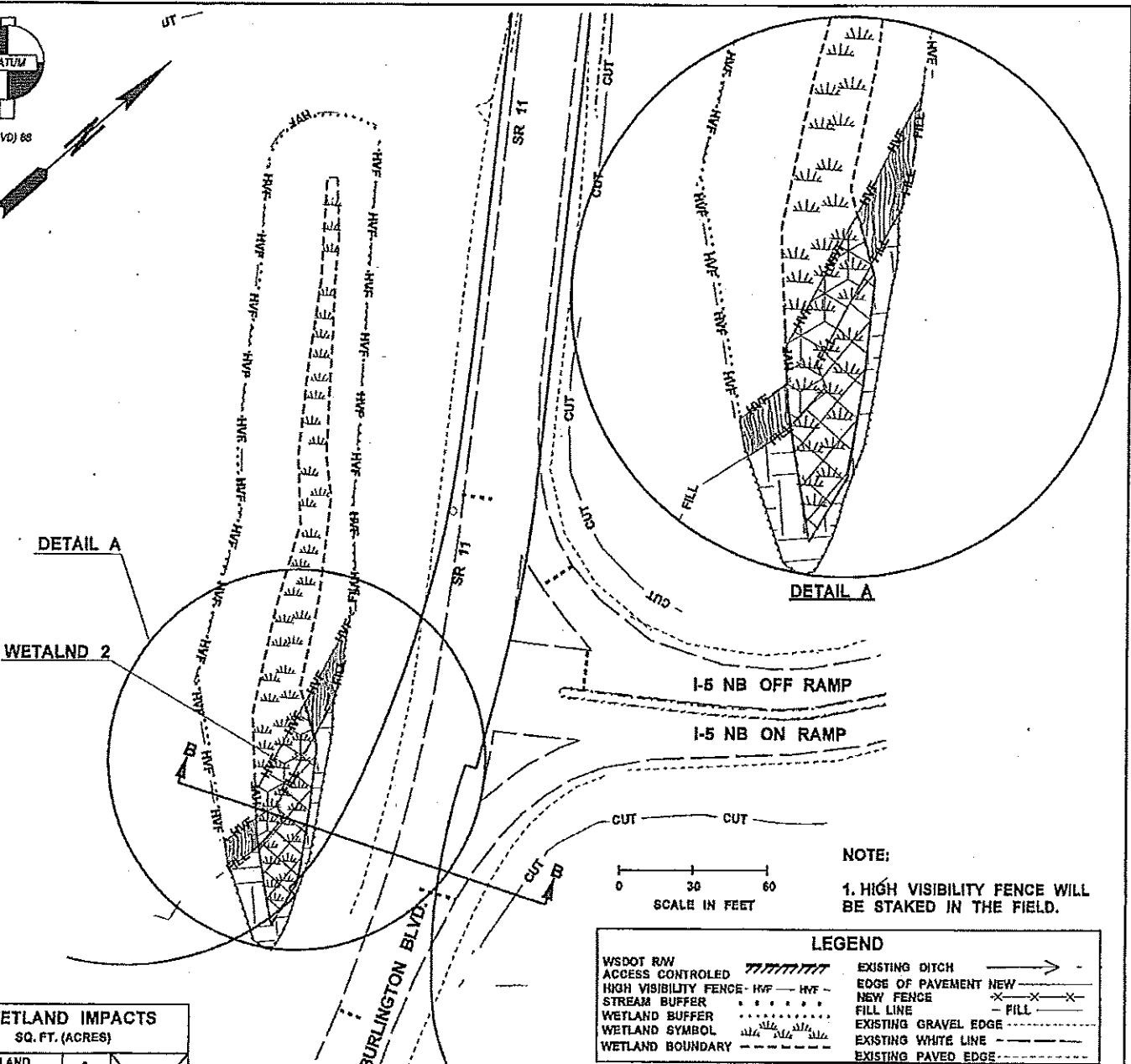


LEGEND

WSDOT RM	EXISTING DITCH
ACCESS CONTROLLED	HVF - HIGH VISIBILITY FENCE
HVF - HIGH VISIBILITY FENCE	NEW FENCE
NEW FENCE	FILL
FILL	EXISTING GRAVEL EDGE
EXISTING GRAVEL EDGE	EXISTING WHITE LINE
EXISTING WHITE LINE	EXISTING PAVED EDGE
WETLAND BOUNDARY	WETLAND SYMBOL
WETLAND SYMBOL	WETLAND BUFFER
WETLAND BUFFER	STREAM BUFFER
STREAM BUFFER	

NOTE:
1. SEE SHEET 3 FOR WETLAND 1
IMPACT LEGEND AND QUANTITIES.
2. HIGH VISIBILITY FENCE WILL
BE STAKED IN THE FIELD.





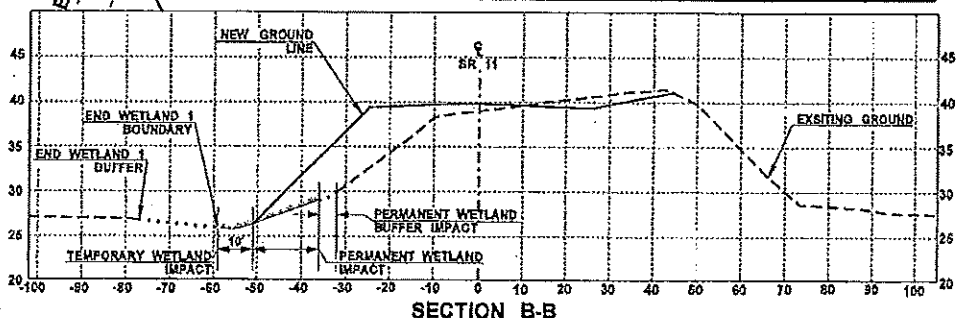
NOTE:
1. HIGH VISIBILITY FENCE WILL BE STAKED IN THE FIELD.

LEGEND

WSDOT RW		EXISTING DITCH	
ACCESS CONTROLLED		EDGE OF PAVEMENT NEW	
HIGH VISIBILITY FENCE - HVF		NEW FENCE	
STREAM BUFFER		FILL LINE	
WETLAND BUFFER		EXISTING GRAVEL EDGE	
WETLAND SYMBOL		EXISTING WHITE LINE	
WETLAND BOUNDARY		EXISTING PAVED EDGE	

WETLAND IMPACTS
SQ. FT. (ACRES)

WETLAND #	2	
DOE CATEGORY	IV	
WETLAND AREA	4,008 (0.09)	
PERMANENT WETLAND IMPACT	768 (0.02)	
TEMPORARY WETLAND IMPACT	501 (0.01)	
PERMANENT WETLAND BUFFER IMPACT	732 (0.02)	
TEMPORARY WETLAND BUFFER IMPACT	426 (0.01)	



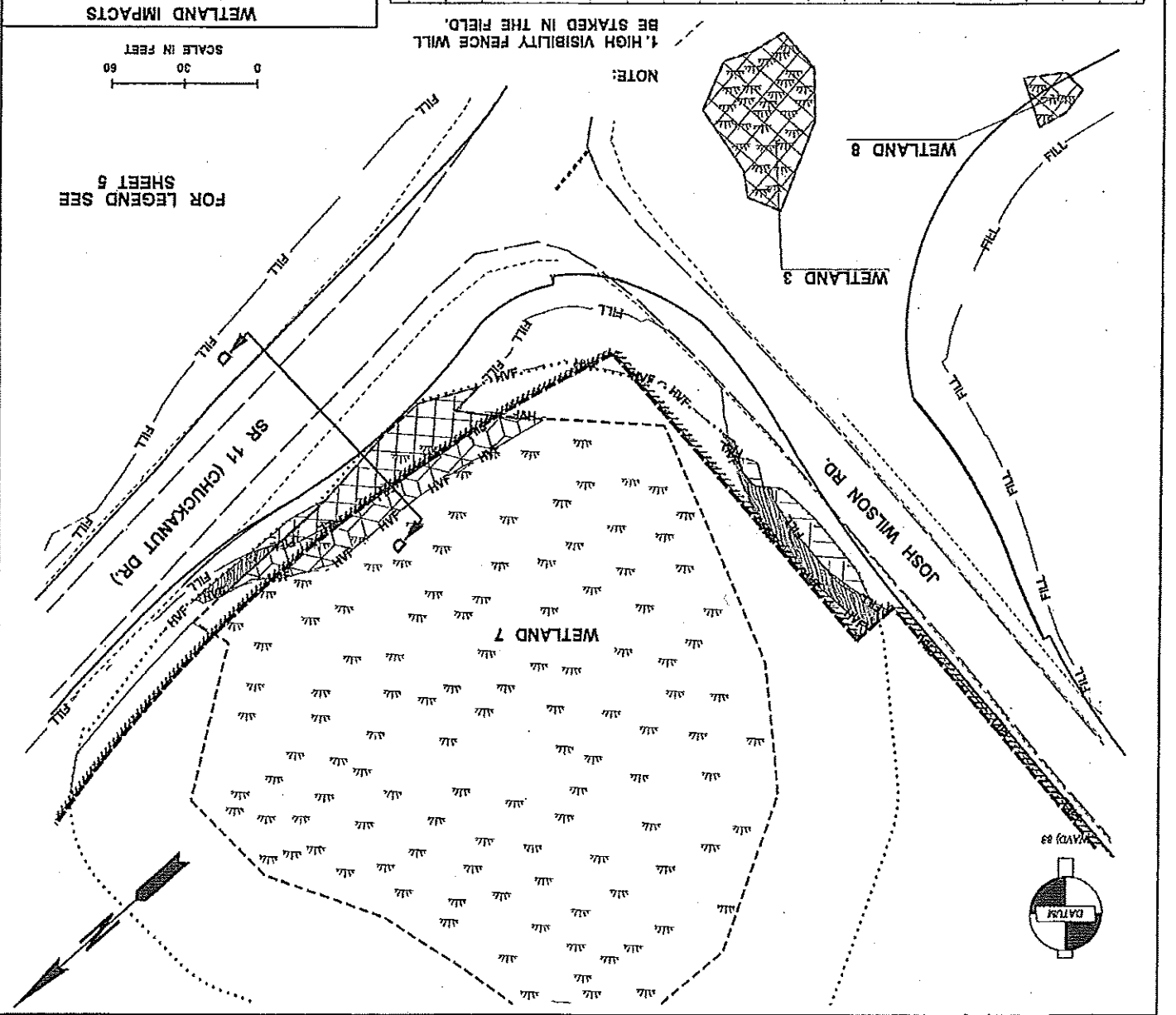
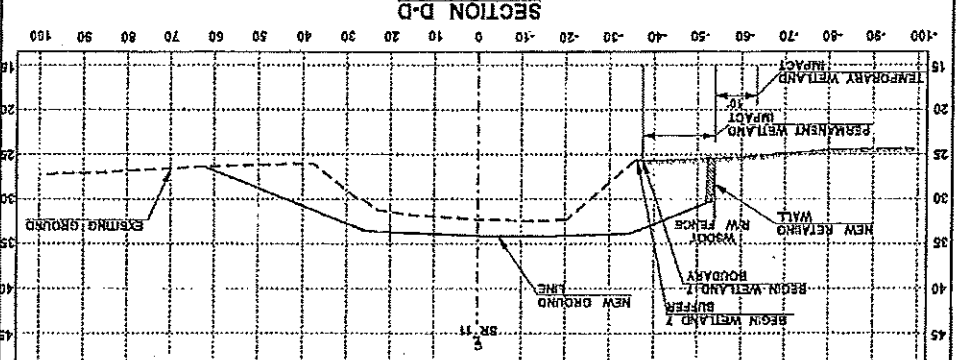
PURPOSE: IMPROVE SAFETY & MOBILITY	REFERENCE:
PROPOSED: ROUNDABOUT INTERSECTIONS	APPLICANT: WSDOT
LOCATION: SR 11	COUNTY: SKAGIT
DATUM: (NAVD) 88	NEAR: BURLINGTON WASHINGTON
ADJACENT PROPERTY OWNERS: KNUITZEN, STARIGHT GROUP LLC, GUFFIE	WATER BODY: JOE LEARY SLOUGH
	DATE: 4 /27 /2009

Washington State
Department of Transportation

SHEET: 5 OF: 9

DATE: 4 / 27 / 2009	WASHINGTON STATE Department of Transportation
ADJACENT PROPERTY OWNERS: KNUITZEN, STARIGHT GROUP LLC, GUFFIE	
WATER BODY: JOE LEARY SLOUGH	
NEAR: BURNINGTON WASHINGTON	
COUNTY: SKAGIT	
APPLICANT: WSDOT	
LOCATION: SR 11	
PROJECT: ROUNDABOUT INTERSECTIONS	
PURPOSE: IMPROVE SAFETY & MOBILITY	

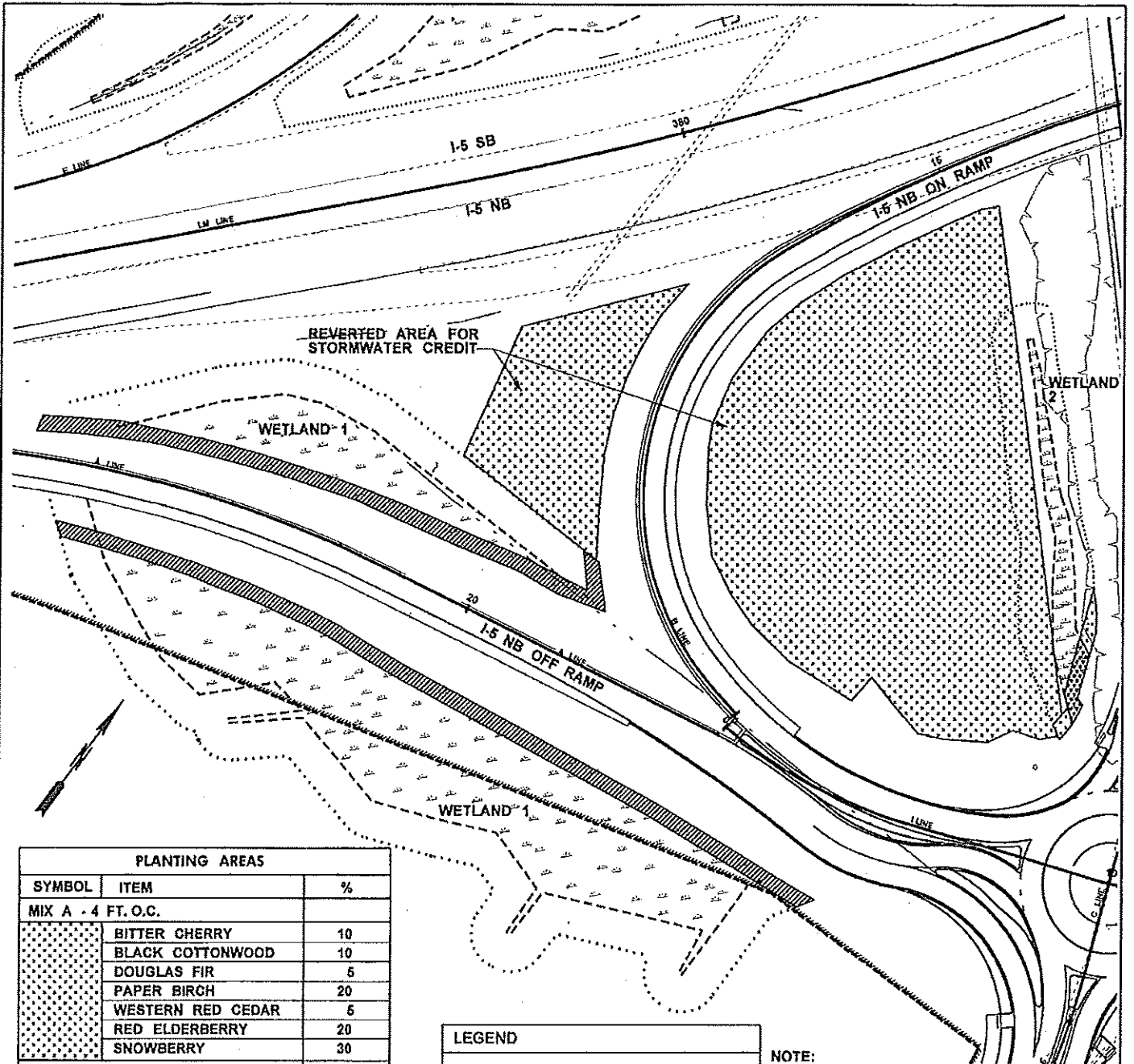
WETLAND #	DOE CATEGORY	WETLAND AREA	PERMANENT WETLAND IMPACT	TEMPORARY WETLAND IMPACT	PERMANENT WETLAND BUFFER SKAGIT COUNTY (0.01)	N/A PER SKAGIT COUNTY (0.01)	TEMPORARY WETLAND BUFFER IMPACT
7	IV	44,616	328	328	1,855	1,426	384
8	IV	44,616	328	328	1,855	1,426	384
3	IV	2,126	0	0	0	0	0
7	IV	2,126	0	0	0	0	0



FOR LEGEND SEE SHEET 5

SCALE IN FEET: 0, 30, 60

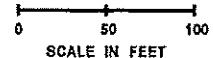
NOTE: 1' HIGH VISIBILITY FENCE WILL BE STAKED IN THE FIELD.



PLANTING AREAS		
SYMBOL	ITEM	%
MIX A - 4 FT. O.C.		
[Symbol: Dotted pattern]	BITTER CHERRY	10
	BLACK COTTONWOOD	10
	DOUGLAS FIR	5
	PAPER BIRCH	20
	WESTERN RED CEDAR	5
	RED ELDERBERRY	20
	SNOWBERRY	30
MIX B - 4 FT. O.C.		
[Symbol: Cross-hatched pattern]	BLACK TWINBERRY	25
	CLUSTERED WILD ROSE	25
	SALMONBERRY	25
	SITKA WILLOW	25
WET NATIVE SEED		
[Symbol: Diagonal hatched pattern]	SEEDING AND MULCHING (SY)	
	SOIL AMENDMENT 3 IN. DEPTH	X
	DEPTH FINE COMPOST 1 IN. DEPTH	X
	BARK OR WOOD CHIP MULCH	X

LEGEND	
[Symbol: Solid line]	EDGE OF PAVEMENT
[Symbol: Dashed line]	EXISTING EDGE OF ROADWAY
[Symbol: Hatched area]	LIMITED ACCESS RIGHT OF WAY
[Symbol: Dotted line]	EXISTING CULVERT
[Symbol: Dotted area]	WETLAND
[Symbol: Dotted border]	WETLAND BUFFER
[Symbol: X marks]	NEW FENCE
[Symbol: Irregular shape]	EXISTING VEGETATION


- NOTE:**
1. TREES TO BE SPACED AT MIN. 12 FT. O.C.
 2. REMOVE BLACKBERRIES AND OTHER UNWANTED INVASIVE VEGETATION PRIOR TO PLANTING.
 3. NO BARK OR WOOD CHIP MULCH IN SEEDED AREAS.
 4. COTTONWOODS TO BE PLANTED MIN. 100 FT. FROM EDGE OF ROADWAY.
 5. KEEP TREES OUT OF CLEAR ZONES AND SIGHT DISTANCE TRIANGLES.

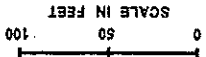


PURPOSE: IMPROVE SAFETY & MOBILITY	REFERENCE:
PROPOSED: ROUNDABOUT INTERSECTIONS	APPLICANT: WSDOT
LOCATION: SR 11	COUNTY: SKAGIT
DATUM: (NAVD) 88	NEAR: BURLINGTON, WASHINGTON
ADJACENT PROPERTY OWNERS: KNUTZEN, STARLIGHT GROUP LLC, GUFFIE	WATER BODY: JOE LEARY SLOUGH
	SHEET TITLE: REVEGETATION PLAN
	DATE: 4 /23 /09

Washington State
Department of Transportation

SHEET: 7 OF: 9

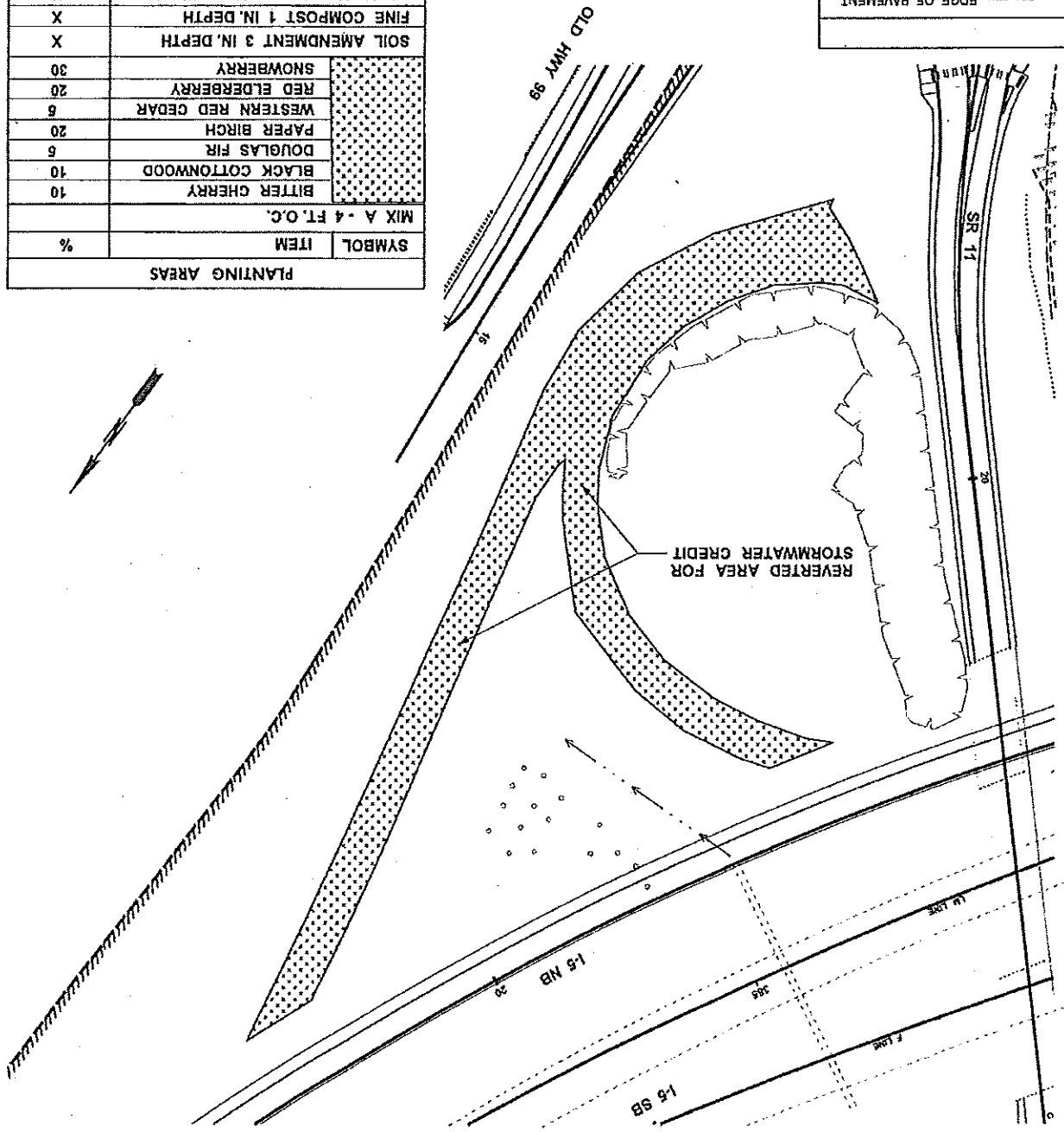
 Washington State Department of Transportation	SHEET: 8 OF 9	DATE: 4/23/09 SHEET TITLE: REVEGETATION PLAN	STARLIGHT GROUP LLC, GUFFIE
	APPLICANT: WSDOT	NEAR: BURLINGTON, WASHINGTON WATER BODY: JOE LEARY SLOUGH	ADJACENT PROPERTY OWNERS: KNUITZEN, STARLIGHT GROUP LLC, GUFFIE
PURPOSE: IMPROVE SAFETY & MOBILITY PROPOSED: ROUNDABOUT INTERSECTIONS	LOCATION: SR 11	DATUM: (NAVD) 88	REFERENCE:

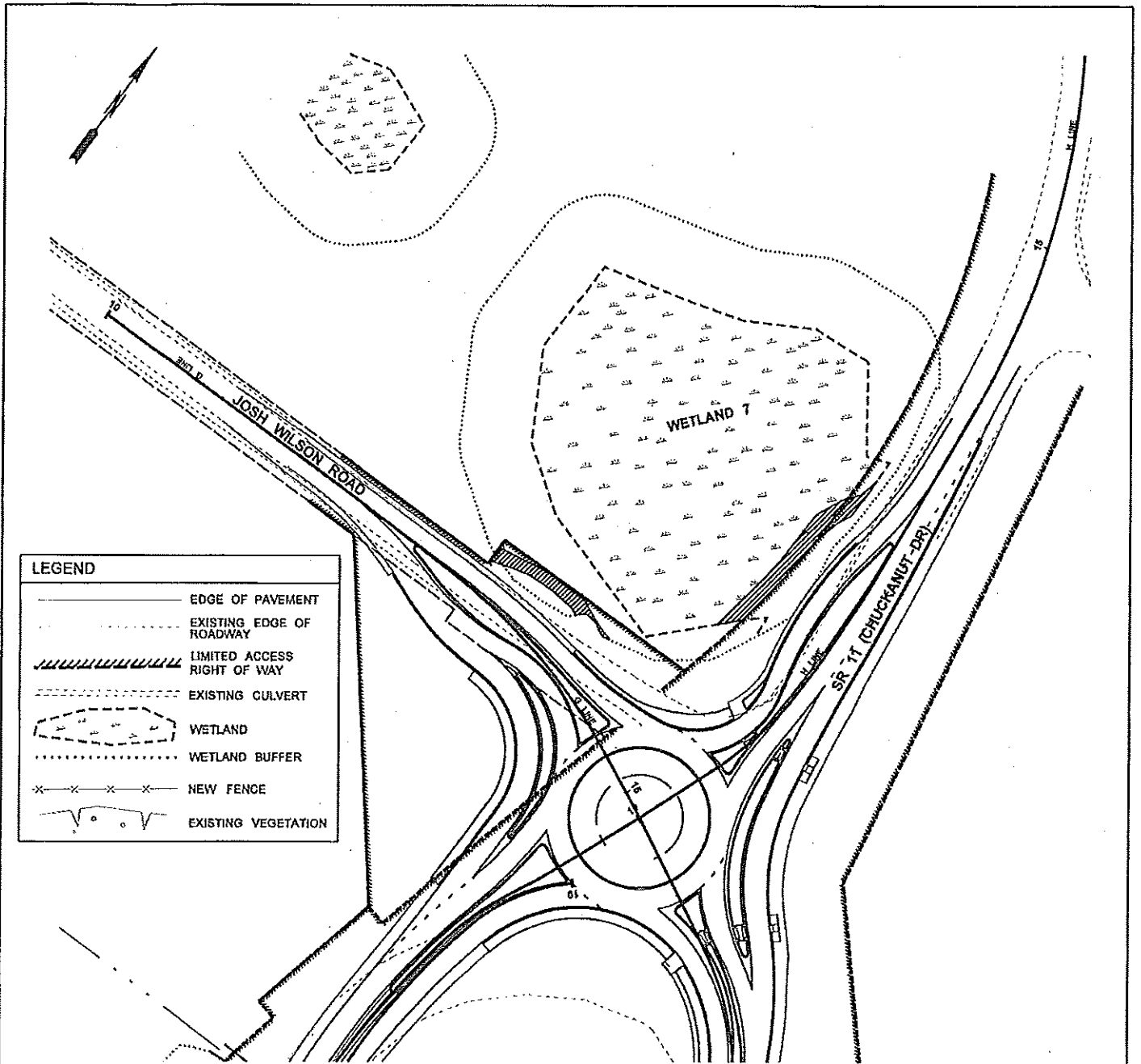


- NOTE:
- TREES TO BE SPACED AT MIN. 12 FT. O.C.
 - REMOVE BLACKBERRIES AND OTHER UNWANTED INVASIVE VEGETATION PRIOR TO PLANTING.
 - COTTONWOODS TO BE PLANTED MIN. 100 FT. FROM EDGE OF ROADWAY.
 - KEEP TREES OUT OF CLEAR ZONE AND SIGHT DISTANCE TRIANGLES.

LEGEND	
	EDGE OF PAVEMENT
	EXISTING EDGE OF ROADWAY
	LIMITED ACCESS RIGHT OF WAY
	EXISTING CULVERT
	WETLAND
	WETLAND BUFFER
	NEW FENCE
	EXISTING VEGETATION

PLANTING AREAS	
SYMBOL	ITEM
%	MIX A - 4 FT. O.C.
	BITTER CHERRY
	BLACK COTTONWOOD
	DOUGLAS FIR
	PAPER BIRCH
	WESTERN RED CEDAR
	RED ELDERBERRY
	SNOWBERRY
	SOIL AMENDMENT 3 IN. DEPTH
	FINE COMPOST 1 IN. DEPTH
	BARK OR WOOD CHIP MULCH



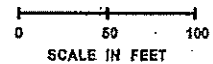


LEGEND	
	EDGE OF PAVEMENT
	EXISTING EDGE OF ROADWAY
	LIMITED ACCESS RIGHT OF WAY
	EXISTING CULVERT
	WETLAND
	WETLAND BUFFER
	NEW FENCE
	EXISTING VEGETATION

PLANTING AREAS		
SYMBOL	ITEM	%
	WET NATIVE SEED	
	SEEDING AND MULCHING (SY)	
	SOIL AMENDMENT 3 IN. DEPTH	X
	FINE COMPOST 1IN. DEPTH	X
	BARK OR WOOD CHIP MULCH	0

NOTE:

1. REMOVE BLACKBERRIES AND OTHER UNWANTED INVASIVE VEGETATION PRIOR TO PLANTING.



PURPOSE: IMPROVE SAFETY & MOBILITY	REFERENCE:
PROPOSED: ROUNDABOUT INTERSECTIONS	APPLICANT: WSDOT
LOCATION: SR 11	COUNTY: SKAGIT
DATUM: (NAVD) 88	NEAR: BURLINGTON, WASHINGTON
ADJACENT PROPERTY OWNERS: KNUTZEN, STARLIGHT GROUP LLC, GUFFIE	WATER BODY: JOE LEARY SLOUGH
	SHEET TITLE: REVEGETATION PLAN
	DATE: 4 /23 /09


Washington State
Department of Transportation

SHEET: 9 OF: 9