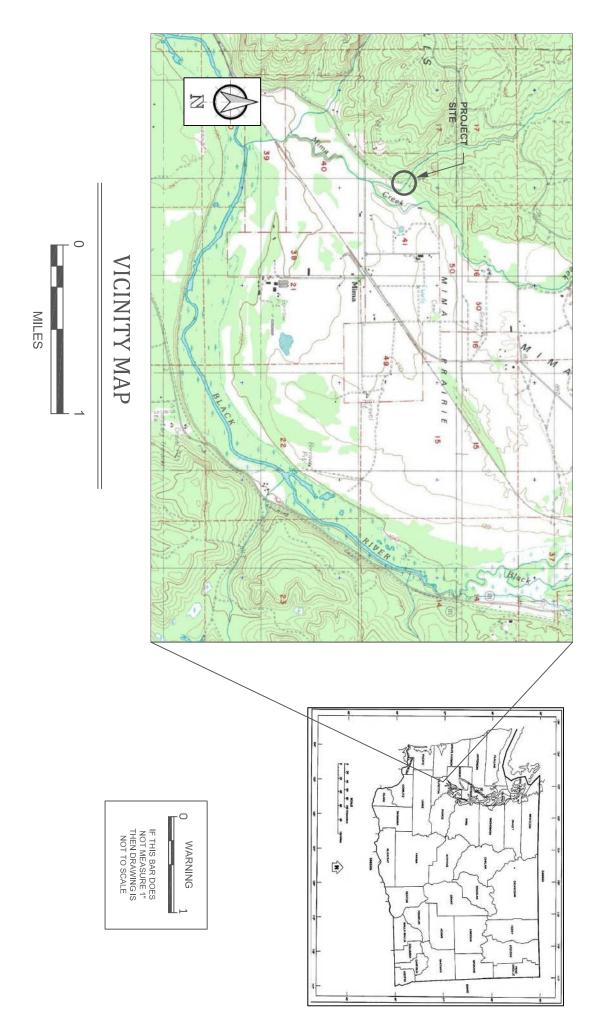
WILD FISH CONSERVANCY NORTHWEST

FAMILY FOREST FISH PASSAGE PROGRAM # 10-1935 BAKER / GOLIATH CREEK CULVERT REPLACEMENT PROJECT



Project Contacts

Project Engineer: Arny Stonkus 206-349-3955 Project Manager: Jamie Glasgow 360-310-9302

1/4 mile up the road. SW for about four miles and then turn right Continue onto Gate Rd SW/Mima Gate Rd Follow Maytown Rd SW for 2.9 miles to 128th onto a gravel road. The site is approximately Ave SW and take a left onto Mima Rd SW. WA-121 N toward Littlerock/Maytown. Driving Directions: From I-5, take exit 95 for

Project Location:

Parcel No. 09550013000

Site Zip: 98512 Address: 9408 GATE RD SW, OLYMPIA

LAT 46.869895

LONG -123.079853

(NAD 83) (NAD 83)

EXISTING CROSS SECTIONS NEW CHANNEL CROSS SECTIONS BRIDGE AND ROAD PROFILE **RESTORATION PLAN GRADING PLAN EXISTING CONDITIONS GENERAL NOTES DETAILS** STREAM PROFILE SHEET TITLE TITLE SHEET 9-10 0 4 0 \sim <u>N</u>0

JOB NO. :	CHECKED BY:	DESIGNED BY: ARNY STONKUS, P.E.	DRAWN BY: STEPHEN KROPP	DATE: 07-10-2012
Phone: 425-788-1167	15629 Main Street NE Duvall, WA 98019	Conservancy	Wild Fish	
DPREScot/21/	SOTIES AND			SEAL
ROCHESTER, WA	FAMILY FOREST FISH PASSAGE PROGRAM # 10-1935 BAKER / GOLIATH CREEK CULVERT REPLACEMENT PROJECT			TITI E SHEET
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GENERAL NOTES

- -BRIDGE TO BE DELIVERED TO SITE BY MANUFACTURER AND UNLOADED AND INSTALLED BY CONTRACTOR.
- Ņ CONTOUR CHANNEL BANKS TO MINIMIZE ENERGY LOSS. MATCH TO WIDTH OF NATURAL UPSTREAM AND DOWNSTREAM REACHES, SLOPE BANKS AT 3:2 OR AS NEEDED. BIOENGINEERING WILL BE USED TO ESTABLISH VEGETATION.
- BRIDGE CONSISTS OF FOUR STEEL GIRDERS AND A TOP DECK COMPOSED OF CRUSHED ROCK. INSTALL BRIDGE PER MANUFACTURER'S RECOMMENDATIONS.

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- 4 MINIMIZE DISTURBANCE TO ADJACENT VEGETATION.
- 5 SPOILS TO BE DISPOSED OF ON SITE AS DIRECTED BY PROJECT ENGINEER. APPROPRIATE EROSION AND SEDIMENTATION CONTROL BMP'S WILL BE IN PLACE TO ENSURE NO TURBID WATER ENTERS THE STREAM.
- 6 ENGINEER TO VERIFY SOIL ADEQUACY BEFORE CRUSHED-ROCK BASE IS PLACED
- 7. REPAIR ANY DAMAGED ROAD SURFACES TO PRE-PROJECT CONDITIONS.
- \odot SOILS. REVEGETATE ALL DISTURBED SOILS WITH LOCAL NATIVE VEGETATION (BY OTHERS), MULCH ALL BARE

WATER MANAGEMENT NOTES

FLOW SHALL BE DIVERTED TO ISOLATE THE WORK AREA AND MINIMIZE IMPACTS TO WATER QUALITY DURING CONSTRUCTION.

- N COFFER DAMS WILL BE INSTALLED UPSTREAM AND DOWNSTREAM OF THE WORK AREA FOR THE STREAM BYPASS SYSTEM. THE DIVERSION DAM MUST EFFECTIVELY ISOLATE THE WORK AREA AND PREVENT DISCHARGE OF SEDIMENT INTO THE CREEK.
- ယ THE COFFER DAMS WILL BE ADJUSTED TO INTRODUCE FLOWS INTO THE NEW CHANNEL
- 4. PROVIDE AND OPERATE PUMP AS NEEDED PRIOR TO BEGINNING IN-CHANNEL WORK. PUMP SHALL BE AVAILABLE ON SITE AND MAINTAINED 24 HOURS A DAY DURING CONSTRUCTION.
- Ö INSTALLATION OF FLOW DIVERSION DAM SHALL NOT BEGIN UNTIL WFC HAS INSTALLED TEMPORARY UPSTREAM UPSTREAM, ABOVE THE DIVERSION DAM. WITHIN THE WORK AREA AND POTENTIALLY AT RISK OF HARM SHALL BE CAPTURED AND RELEASED SAFELY AND DOWNSTREAM FISH EXCLUSION NETS AND FISH SALVAGE IS COMPLETE. FISH WHICH MAY BE TRAPPED

1 36 48 20 650 40 504
20 650
40 504
_
94
40
Each 3
70
Each 300
_
2
TONS 132
TONS 55
0 0

SPECIFICATIONS FOR HPA STREAMBED GRAVEL

NO. 200 SIEVE-1"	1"-3"	3"-6"	6"-8"	GRAVEL SIZE
0-15	16-49	50-84	85-100	% FINER

		P.E.	ARNY STONKUS,	STEPHEN KROPP
	*			
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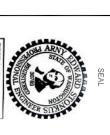
DRAWN BY DATE

STEPHEN 07-10-2012

DESIGNED BY:







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ROCHESTER, WA

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FAMILY FOREST FISH PASSAGE PROGRAM # 10-1935 3AKER / GOLIATH CREEK CULVERT REPLACEMENT PROJECT	GENERAL NOTES	
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