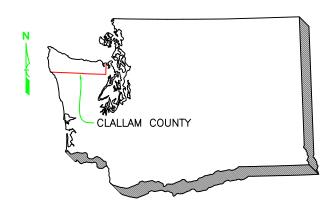




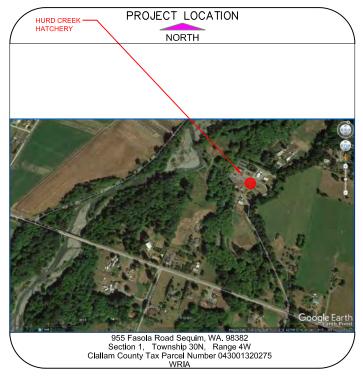
Highway 101, take Sequim exit, North on S. Sequim Avenue, continue on N. Sequim Avenue, Left on Woodcock Road, Right on Fasola Road follow to the end.



This is not a boundary survey. Elevations shown are based on an assumed datum. Topographic information was gathered under direction of the engineer for the sole purpose of design and construction of this project. Property lines, easements, and right of way locations displayed are approximate based on information obtained from recorded documents, for reference purposes only.







#### PROJECT DESCRIPTION:

The proposed project is for flood protection for the existing Hurd Creek Fish Hatchery. Rip Rap will be removed from the existing Dungeness River bank and placed along the existing hatchery for scour protection. An earthened berm will be built along the ecology blocks (2ft wide x 2ft tall x 6ft long) and will function as a coffer dam during Dungeness River high flow. logs, stumps, plantings and seeding on the margins of the River and the Creek to enhance floodplain habitat and complete the project.

#### COVER SHEET

PURPOSE: HURD CK. HATCHERY FLOOD PROTECTION		REFERENCE NO: APPLICANT: WDFW				Washington
PROPOSAL: SEE NOTE THIS SHEET		COUNTY:	CLALLA	AM COUNTY		FISH and
LOCATION: 955 FASOLA RD. SEQUIM, WA.		NEAR:	SEQUIM	, WA.		WILDLIFE
DATUM: ASSUMED	WATER BOI	OY: TRIB. TO	STRAIT	OF JUAN DE FUC	A SA	
ADJ PROPERTY OWNERS: SEE S	DATE:	MARCH 2	2017	SHEET	1 of 11	



NOTE:

SEE SHEET 3 FOR OWNERS INFORMATION

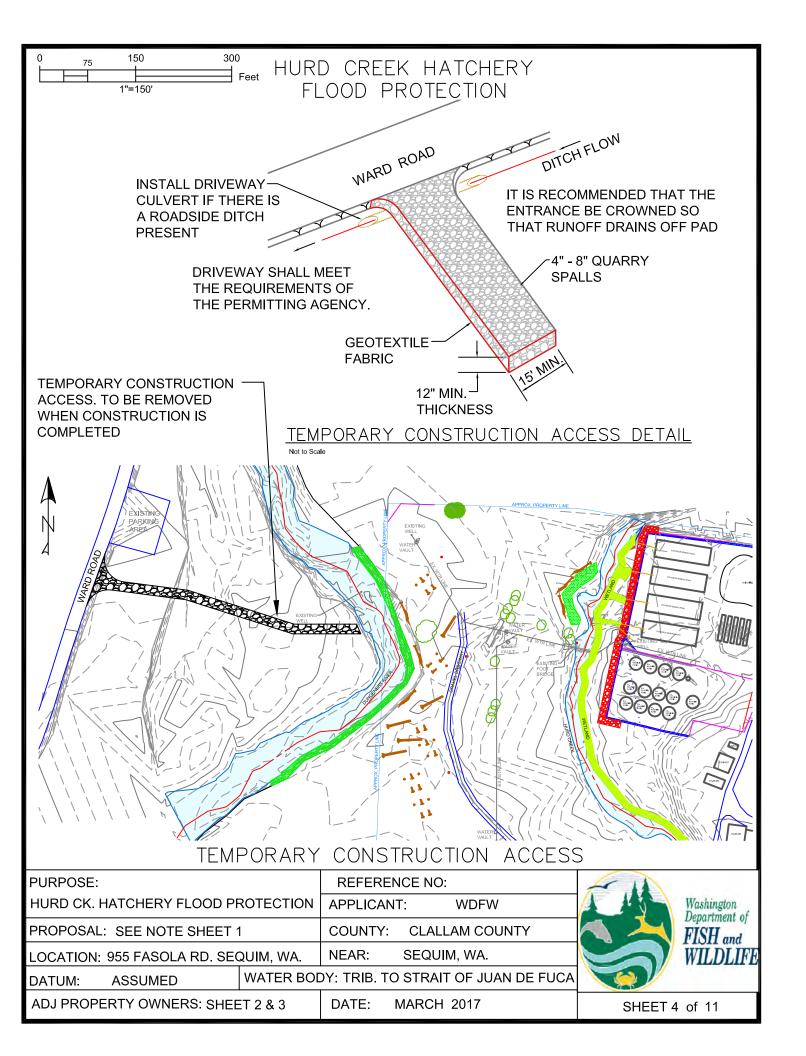
## ADJACENT PROPERTY OWNERS MAP

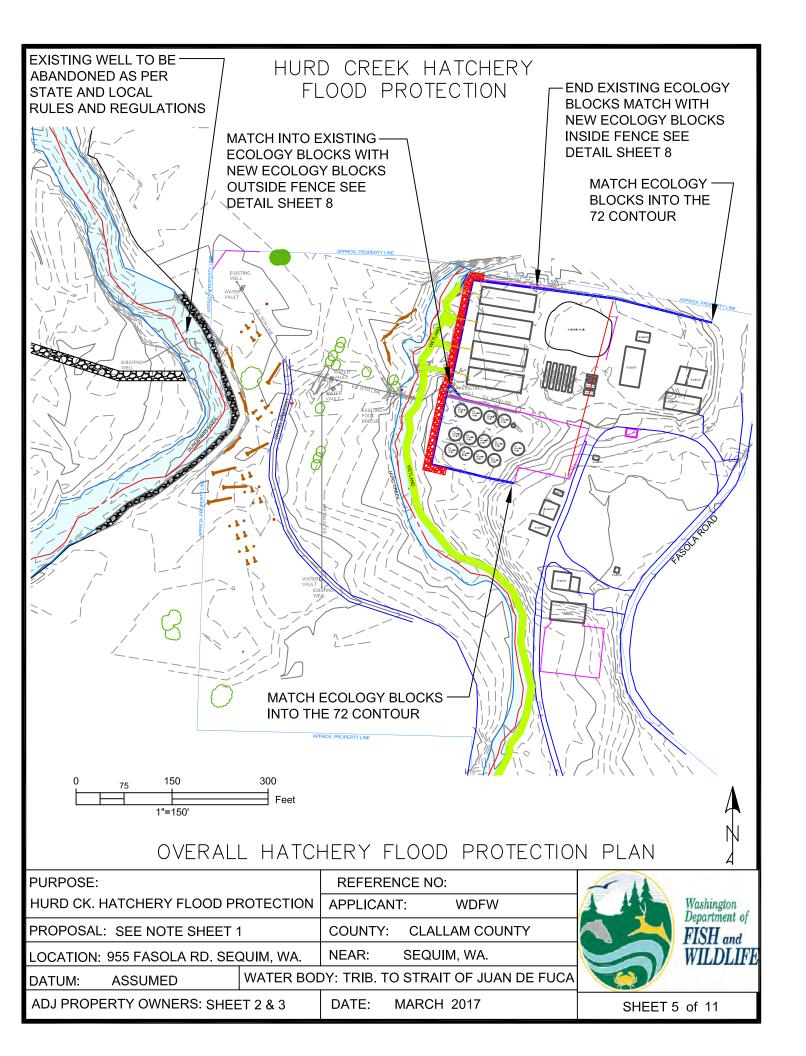
PURPOSE:	REFERENCE NO:			
HURD CK. HATCHERY FLOOD PF	ROTECTION	APPLICAN <sup>-</sup>	Γ:	WDFW
PROPOSAL: SEE NOTE SHEET 1	1	COUNTY:	CLALL	AM COUNTY
LOCATION: 955 FASOLA RD. SEC	QUIM, WA.	NEAR: SEQUIM, WA.		
DATUM: ASSUMED	WATER BOD	OY: TRIB. TO	STRAIT	OF JUAN DE FUCA
AD I PROPERTY OWNERS: SHEE	T 2 & 3	DATE: N	MARCH :	2017

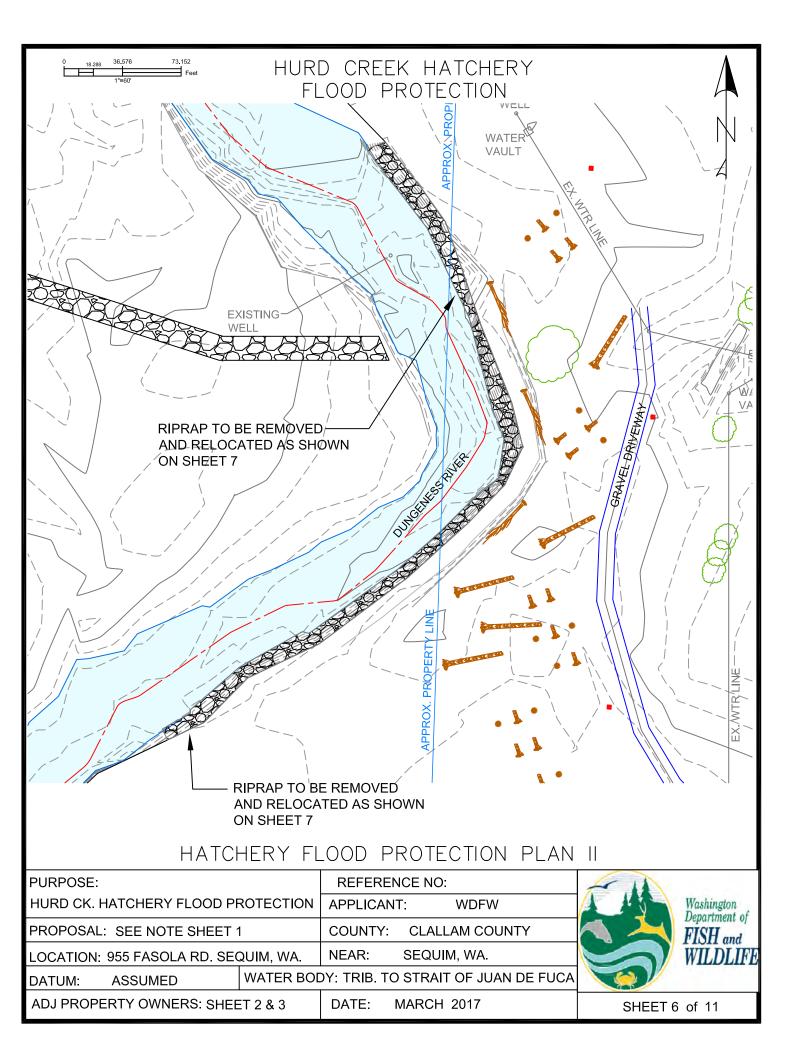


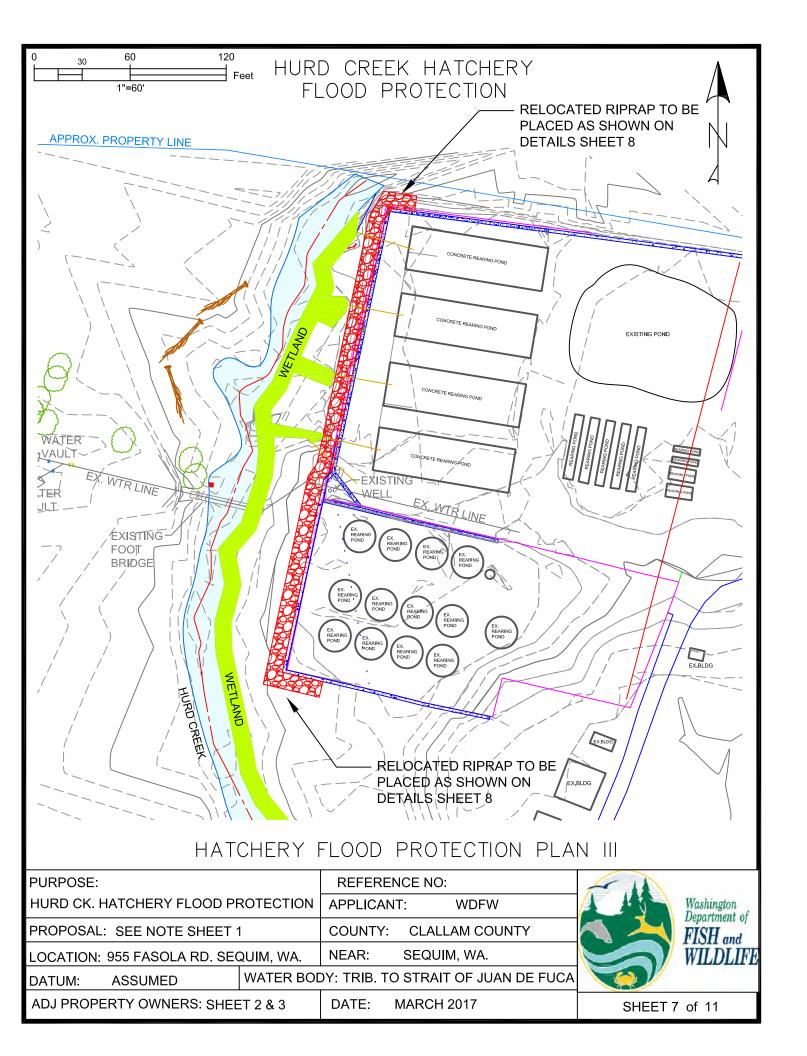


SHEET 2 of 11



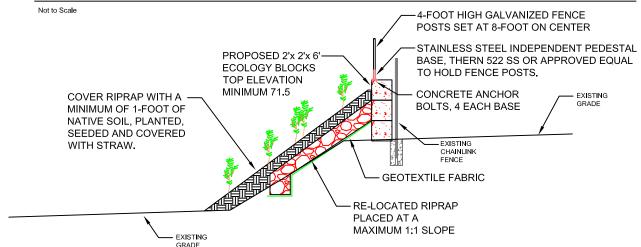






#### HURD CREEK HATCHERY FLOOD PROTECTION PROPOSED 2'x 2'x 6'-4-FOOT HIGH GAI VANIZED FENCE **ECOLOGY BLOCKS** POSTS SET AT 8-FOOT ON CENTER TOP ELEVATION STAINLESS STEEL INDEPENDENT PEDESTAL BASE. MINIMUM 71.5 THERN 522 SS OR APPROVED EQUAL TO HOLD COVER RIPRAP WITH A EXISTING FENCE POSTS. CHAINLINK FENCE MINIMUM OF 1-FOOT OF CONCRETE ANCHOR NATIVE SOIL, PLANTED, EXISTING **BOLTS, 4 EACH BASE** SEEDED AND COVERED GRADE WITH STRAW. EXISTING ECOLOGY BLOCKS APPROX**I**MATE EXISTING EDGE EXISTING REARING POND **GEOTEXTILE FABRIC** RE-LOCATED RIPRAP EXISTING 15" EXISTING PLACED AT A MAXIMUM 1:1 SLOPE

RIPRAP AND ECOLOGY BLOCK CROSS-SECTION INSIDE FENCE



## RIPRAP AND ECOLOGY BLOCK CROSS-SECTION OUTSIDE FENCE

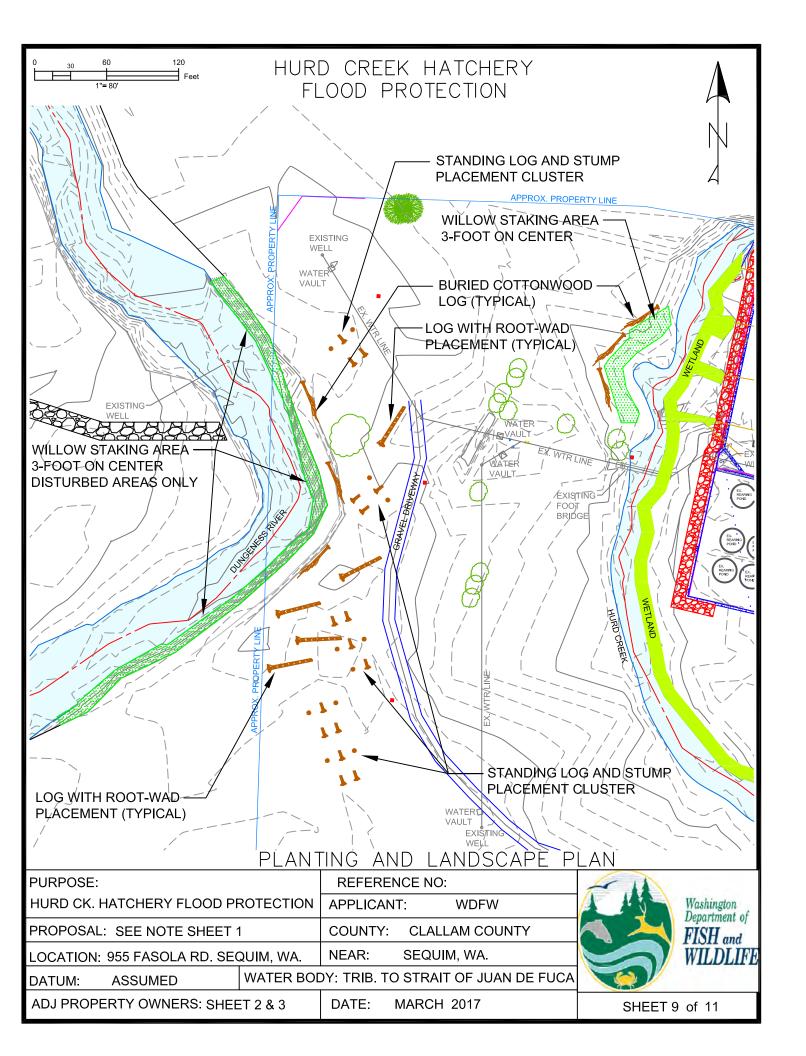
Not to Scale

#### NOTES:

- 1.) NO TREES SHALL BE FELLED AS PART OF THIS PROJECT.
- 2.) FILL FOR SUPPORT OF ECOLOGY BLOCKS SHALL BE COMPACTED TO 85% MINIMUM DENSITY.
- 3.) NO PERMITTED ENTRY OR DELIVERY TO WETLANDS OR STREAM.
- 4.) PROTECT AND PRESERVE POND DRAINLINES. DRAINLINES MAY NEED TO BE EXTENDED. DAMAGE OR BLOCKAGE TO THE LINES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- 5.) FENCING REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH A SIMILAR PRODUCT.
- 6.) ZERO DROP HEIGHT FOR RIPRAP INSTALLATION. SHALL BE STACKED ON EACH OTHER IN A SOUND, NON-SHIFTING FINAL CONFIGURATION.

### FLOOD PROTECTION NOTES AND DETAILS

PURPOSE:	REFERENCE NO:		
HURD CK. HATCHERY FLOOD PROTECTION	APPLICANT: WDFW	Washington Department of	
PROPOSAL: SEE NOTE SHEET 1	E NOTE SHEET 1 COUNTY: CLALLAM COUNTY		
LOCATION: 955 FASOLA RD. SEQUIM, WA.	NEAR: SEQUIM, WA.	FISH and WILDLIFE	
DATUM: ASSUMED WATER BO	DDY: TRIB. TO STRAIT OF JUAN DE FUCA		
ADJ PROPERTY OWNERS: SHEET 2 & 3	DATE: MARCH 2017	SHEET 8 of 11	

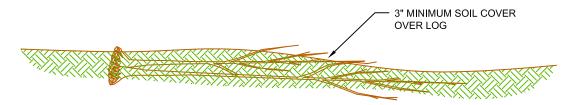


TREES SHALL BE PLACED ANGLE TO OVERBANK AND FLOODPLAIN FLOWS WITH ROOTS UPSTREAM



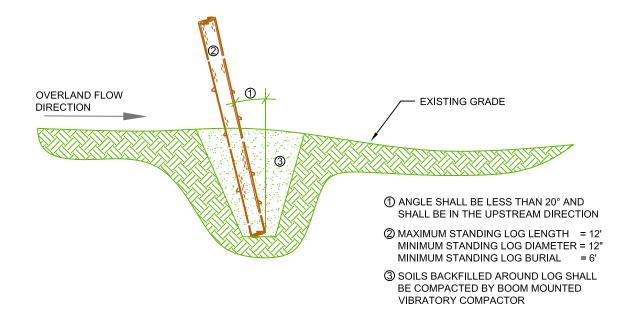
### TREE WITH ROOTBALL PLACEMENT

Not to Scale



### BURIED COTTONWOOD LOG DETAIL

Not to Scale



## LOG STANDING PARTIALLY BURIED DETAIL

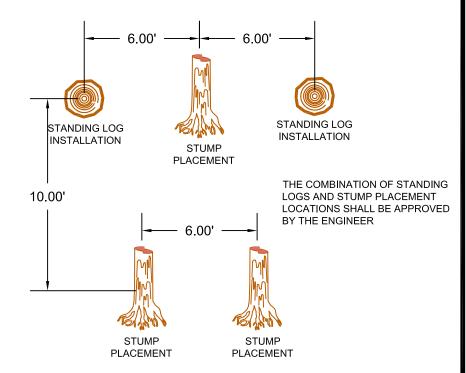
## PLANTING AND LANDSCAPE DETAILS

PURPOSE:		REFERENCE NO:			4	
HURD CK. HATCHERY FLOOD PF	ROTECTION	APPLICAN	T: V	VDFW		Washington Department of
PROPOSAL: SEE NOTE SHEET 1		COUNTY:	CLALLA	M COUNTY		FISH and
LOCATION: 955 FASOLA RD. SEQUIM, WA.		NEAR:	SEQUIM,	WA.		WILDLIF
DATUM: ASSUMED	WATER BOD	OY: TRIB. TO	STRAIT C	F JUAN DE FUCA		
AD LIBROREDTY OVANIEDO CUESTO CO		D 4 TE				

ADJ PROPERTY OWNERS: SHEET 2 & 3 DATE: MARCH 2017 SHEET 10 of 11

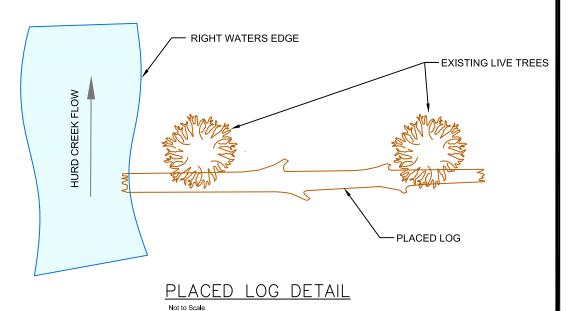
#### GENERAL NOTES:

- 1.) SEED AND STRAW ALL DISTURBED SOILS.
- 2.) PROTECT ALL LIVE STANDING TREES.
- 3.) LOGS PLACED TO ADJACENT HURD CREEK SHALL NOT DELIVER SEDIMENT TO LIVE WATER. LOGS SHALL BE PLACED/ORIENTED UPSTREAM AND BE BACKED BY LIVE STANDING TREES.
- 4.) BURIED COTTONWOOD LOGS SHALL HAVE 3-INCHES OF SOIL COVER OVER THE TOP OF THE LOG AND BE BURIED PARALLEL WITH THE BANK.
- WILLOWS SHALL BE PLANTED WITHIN 12-INCHES VERTICALLY OF LIVE WATER SURFACE ELEVATION.



### STANDING LOGS AND STUMP PLACEMENT DETAIL

Not to Scale



#### NOTE:

LOG SHALL BE PLACED ON THE UPSTREAM SIDE OF A MINIMUM OF TWO LIVE STANDING TREES AND ORIENTED UPSTREAM MAXIMUM 45° ANGLE DOWN TO PERPENDICULAR WITH FLOW. LOG MAY EXTEND OVER WATER BUT NO SOILS SHOULD BE DELIVERED TO THE WATER.

## PLANTING AND LANDSCAPE DETAILS II

PURPOSE: HURD CK. HATCHERY FLOOD PROTECTION		REFERENCE NO: APPLICANT: WDFW			TA	Washington
PROPOSAL: SEE NOTE SHEET 1		COUNTY:	CLALLA	M COUNTY		FISH and
LOCATION: 955 FASOLA RD. SEQUIM, WA.		NEAR:	SEQUIM,	WA.		WILDLIFE
DATUM: ASSUMED	WATER BOD	Y: TRIB. TC	STRAIT C	F JUAN DE FUCA		
ADJ PROPERTY OWNERS: SHEET 2 & 3		DATE:	MARCH 20	)17	SHEET	11 of 11