



Alberni Valley Community Forest

Harvest of Standing Timber and Road Building Request for Proposal #2016-4 Cutting Permit 9 and 10 Blocks 1, 2 and TS2, TAYLOR

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Alberni Valley Community Forest Corporation

7500 Airport Road, Port Alberni, BC, V9Y 8Y9, manager@communityforest.ca Phone: 731-7377

Request for Proposal #2016-4 Harvest of Standing Timber and Road Building Cutting Permit 9 and 10 Blocks 1, 2 and TS2

The Alberni Valley Community Forest Corporation (AVCFC) is the corporate entity entrusted to operate the Alberni Valley Community Forest. The Licence Holder is the City of Port Alberni. The AVCFC is administered by a local Board of Directors and managed by a local Contract Manager.

The AVCFC is seeking bid proposals from B.C. entities interested in purchasing standing timber from the Community Forest Lands. The AVCFC and its Board has a mandate to manage this tenure in a way that is both economically sustainable and provides positive benefits to the community. These benefits include water quality, recreation, local employment, local use of forest products and non timber forests products while maintaining a high level of forest stewardship including high utilization and low levels of waste post harvest.

The AVCFC is requesting interested parties to present bid proposals to harvest approximately **27,920m³** of wood. All work is to be completed **by November 15, 2018**. There will be no extensions to the contract due to Cut Control considerations. Please see the attached Information Package for specifications.

Your bid proposal should include the following:

1. Expected destination or customers for the logs produced.
2. Access to, or relationships with, competent and experienced BC Safe Certified logging contractors.
3. Bid price per cubic meter.
4. The expertise and benefits your company can provide to ensure the maximum financial benefit to the AVCFC while ensuring its mandates are met.
5. Methods and assurances on how your company could meet the goals of the AVCFC regarding:
 - high levels of local employment
 - maximum utilization of wood within Port Alberni, on Vancouver Island and within B.C.
6. Any other information you wish to provide, i.e. references etc.

The Manager of the AVCFC, Chris Law, R.P.F., will be happy to discuss your bid proposal, answer any questions or provide clarification if required. Chris can be reached by email at manager@communityforest.ca or by phoning (250) 731-7377.

We encourage you to present your bid proposal via email (manager@communityforest.ca) so that the Board of the AVCFC can evaluate it. Please visit the AVCFC website at www.communityforest.ca for more information. Please submit your bid proposal using the **Bid Proposal Tender Offer Form by July 28, 2016 at @ 16:00 hours (4:00pm).**

The AVCFC makes no commitments as a result of this Request for Proposal and may, as a result of submissions received, accept or reject a proposal at their sole discretion. Based on the proposals received, the AVCFC may issue a timber sale agreement for volumes in addition to the amount in this proposal.



REQUEST FOR PROPOSAL Block 1 and Block 2 SPECIFICS

Cutting Permit 10 Blocks 1 and 2

1. Harvesting:

Approximately **15,300m³** of old growth (approximately 54% Hemlock, 29% Douglas-fir, 10% Red Cedar, 5% Balsam, 2% Yellow Cedar).

These blocks have 22.1 ha of clearcut harvest area. There are adjacent Wildlife Tree Retention Areas, and Timber Leave Areas for visual quality management of the block.

Harvest volume is approximately 15,300m³, with approximately 3.5 ha of internal right-of-way, 1.2 ha of external right-of-way, 3.0 ha of ground based, 7.7 ha of Cable and 7.9 ha of Helicopter logging.

2. Road Building:

NEW ROAD CONSTRUCTION BY CONTRACTOR		NEW ROAD CONSTRUCTION BY AVCFC	
Name	Length in Lineal Meters	Stations	Length in Lineal Meters
Spur 1	296	0+000 to 0+359	359
Spur 2	58		
Spur 3		0+000 to 1+035	1035
Spur 4	313		
Spur 4A	41		
Spur 5	255		
Total	963		1394

New road of **963 lineal meters** to be paid for by the successful proponent and constructed to industry standards and road construction of **1394 lineal meters** to be constructed to industry standards by AVCFC. Details are found in the Road Construction Information.

The contractor will be responsible for road maintenance from Highway 4 to all roads rehabilitated and newly constructed for the duration of the contract. Any changes to the planned road construction must be approved by the AVCFC.

3. Completion:

All harvesting and logging cleanup to be completed by **November 15, 2018**. Unharvested volume left on site meeting the contracted harvesting specifications will be charged as per the harvesting contract.



REQUEST FOR PROPOSAL Block TS2 SPECIFICS

Cutting Permit 9 Block TS2

4. Harvesting:

Approximately **12,620m³** of old growth (approximately 41% Hemlock, 37% Douglas Fir, 13% Balsam, 5% Yellow Cedar, and 4% Western Red Cedar).

These blocks have 10.0 ha of clearcut with some single tree retention. There are adjacent Wildlife Tree Retention Areas, and Timber Leave Areas for visual quality management of the block.

Harvest volume is approximately 12,620m³, with 1.8 ha of right-of-way, 6.4 ha of grapple yarding; and 1.8 ha of Helicopter logging.

5. Road Building:

NEW ROAD CONSTRUCTION BY CONTRACTOR		ROAD RECONSTRUCTION BY CONTRACTOR	
Name	Length in Lineal Meters	Name	Length in Lineal Meters
		TA568	890
TA568J	888		
TA568G	63		
TA568H	99		
Total	1050		890

New road of **1050 lineal meters** to be paid for by the successful proponent and constructed to industry standards and road reconstruction of **890 lineal meters** to be paid for by the successful proponent and constructed to industry standards. Details are found in the Road Construction Information.

The contractor will be responsible for road maintenance from Highway 4 to all roads rehabilitated and newly constructed for the duration of the contract. Any changes to the planned road construction must be approved by the AVCFC.

6. Completion:

All harvesting and logging cleanup to be completed by **November 15, 2018**. Unharvested volume left on site meeting the contracted harvesting specifications will be charged as per the harvesting contract.



7. Waste and Residue:

The successful bidder will complete at their costs, waste and residue obligations including undertaking a waste and residue survey.

The Buyer will pay the Licensee:

- (i) For Waste and Residue (W/R) as follows:
 - (a) The amount of **\$Bid Price/m³** times all coniferous W/R at block with a minimum of 15 cm top and greater diameter.
 - (b) The amount of **\$Bid Price/m³** times all W/R at sorts.
- (ii) Payments above are exclusive of
 - (a) The first 1% of W/R at sorts.
 - (b) The first 35m³/ha of total W/R at block with a minimum of 15 cm top and greater diameter. (This volume does not include X and Y grades.)

The Buyer will pay the Licensee:

- (i) The amount of **\$Bid Price/m³** for any logs or standing timber left on site upon expiry of this Agreement that was included in the area designated to be harvested under this Agreement. (exclusive of designated leave trees)

8. Tendered Bid:

Your bid per cubic meter shall be for the volume of all species, all grades 15 cm top and greater diameter. The successful bidder is responsible to pay all HBS stumpage that is due to the Ministry of Forests, Lands and Natural Resource Operations at the tabular rates, at their expense.

The Buyer will pay the Licensee:

- (i) The amount of **\$Bid Price/m³** (the "Purchase Payment") times the trucked volume equal to the m³ volume of all species, all grades U grade and better, minimum 15 cm top and greater diameter. .
- (ii) The amount of **\$.25/m³** for trucked and scaled volume all species U, X and Y scaled and sold as PULP and delivered to the pulp mill.
- (iii) The applicable tabular rate stumpage for all HBS stumpage due under this contract, including HBS stumpage required as per the waste and residue survey results.

Payment to be based on the higher of sort summaries provided by the Buyer or scale and royalty (S/R) volumes of the Ministry of Forests, Lands and Natural Resource Operations. (MFLNRO).

9. Security Deposit:

The AVCFC will require a security deposit, at time of contract award, in the sum of **\$60,000** for this sale. The amount will be returned upon successful completion of all works. The deposit will be used for payment of works not completed or payments not made by the contractor. The deposit will not be returned if the contractor defaults on the contract.

10. Other Info:

- Road Permit is approved.
- Cutting Permit is approved.



SAFETY HIGHLIGHTS

Alberni Valley Community Forest Blocks 1, 2 and TS2

Recreation and Public Use:

All roads may be used by members of the public to access recreational opportunities. Warning signs must be well placed and visible during operations.

Access Barriers:

Access barriers are required for public safety when and where required.

Highway Access:

Stop signs must be installed at all public road junctions and care must be taken when accessing public roads especially considering vehicles often exceed the speed limit on Highway 4. Log truck turning signs must also be installed on the highway.

Steep Road Grades:

Road segments with gradients >18% have been identified on Harvest Plan Map and Road Construction Map. All workers must be made aware of these areas.

Steep Terrain and Rock Fall Hazards:

Block TS2 has areas of rock fall hazards all workers must be made aware of these areas marked on maps.

Cutblock: 1

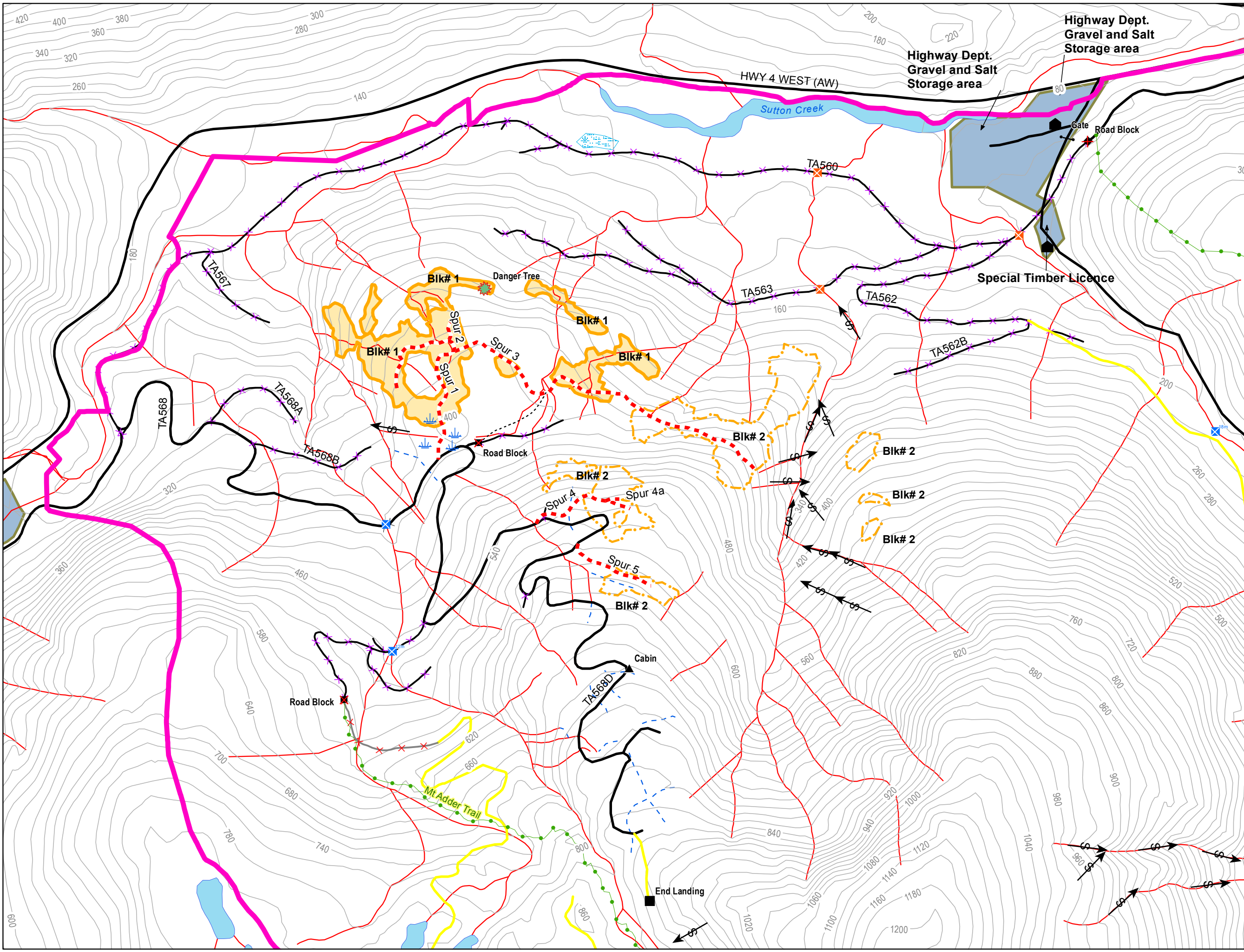
Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 17' 6"
Long: 125° 19' 52"
Author: D. Brown
Map Date: September-29-15

Scale:
1:10,000
Mapsheet: 92F024
Datum: NAD83

MAP LEGEND

- Boundary Features:**
- Falling Boundary
 - Heli Splitline
 - Adjacent Engineered Block
 - Adjacent Proposed Block
 - Legal Boundary
 - Pruning
 - Feathering
- Road Features:**
- Built Road
 - Permanent Deactivated Rd
 - Semi-Perm Deactivated Rd
 - Rece Road
 - Proposed Road
 - Backspar Trail
 - Safety Trail
 - Bridge Existing / New / Out
 - Road Station
 - Existing Culvert
 - New Culvert
 - Culvert Out
- Natural Features:**
- Windthrow
 - Snag
 - Swamp
 - Slide
 - Rock Bluff
 - Karst Feature
 - Landslide Initiation Feature
- Resource Features:**
- Hazard
 - Single Tree Retention
 - Monumental Cedar
 - Archaeological Feature/CMT
 - Government Archaeological Site
 - Quarry/Gravel Pit
 - Bear Den/Bird Nest
 - Helipad/Service Landing
 - Index Contour
 - Intermediate Contour
- Riparian Features:**
- Fish Streams (S1-S4)
 - Non Fish streams (S5, S6)
 - Unclassified Creek
 - Non Classified Drainage
 - Gully
 - Fish Habitat Area
 - Reach Break/Fish Barrier
 - Stream ID
- Lakes/Wetlands:**
- Lakes Class 1, 2, 3, 4
 - Wetlands Class 1, 2, 3, 4, 5
- Sensitive and Designated Areas:**
- Wildlife Tree Patch
 - Timber Leave Area
 - Adjacent WTP
 - Adjacent TLA

- Hiking Trail
- Alberni Valley Community Forest
- Excluded Areas



Road Permit:

Cutting Permit:

MAP 1 of 1

Alberni Valley Community Forest

LOCATION MAP

Cutblock: 2

Forest Region: Coast
 Forest District: South Island
 Land District: Barclay
 Cascades: West C
 Tenure: K2D
 Geographic Coordinates:
 Lat: 49° 16' 54"
 Long: 125° 19' 20"
 Author: D. Brown
 Map Date: September-29-15

Scale:
 1:10,000

Mapsheet: 92F024
 Datum: NAD83

MAP LEGEND

Boundary Features:

- Falling Boundary
- Heli Splittline
- Adjacent Engineered Block
- Adjacent Proposed Block
- Legal Boundary
- Pruning
- Feathering

Road Features:

- Built Road
- Permanent Deactivated Rd
- Semi-Perm Deactivated Rd
- Rece Road
- Proposed Road
- Backspar Trail
- Safety Trail
- Bridge Existing / New / Out
- Road Station
- Existing Culvert
- New Culvert
- Culvert Out

Natural Features:

- Windthrow
- Swamp
- Slide
- Rock Bluff
- Karst Feature
- Landslide Initiation Feature

Resource Features:

- Hazard
- Single Tree Retention
- Monumental Cedar
- Archaeological Feature/CMT
- Government Archaeological Site
- Quarry/Gravel Pit
- Bear Den/Bird Nest
- Helipad/Service Landing
- Index Contour
- Intermediate Contour

Riparian Features:

- Fish Streams (S1-S4)
- Non Fish streams (S5, S6)
- Unclassified Creek
- Non Classified Drainage
- Gully
- Fish Habitat Area
- Reach Break/Fish Barrier
- Stream ID

Lakes/Wetlands:

- Lakes Class 1, 2, 3, 4
- Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:

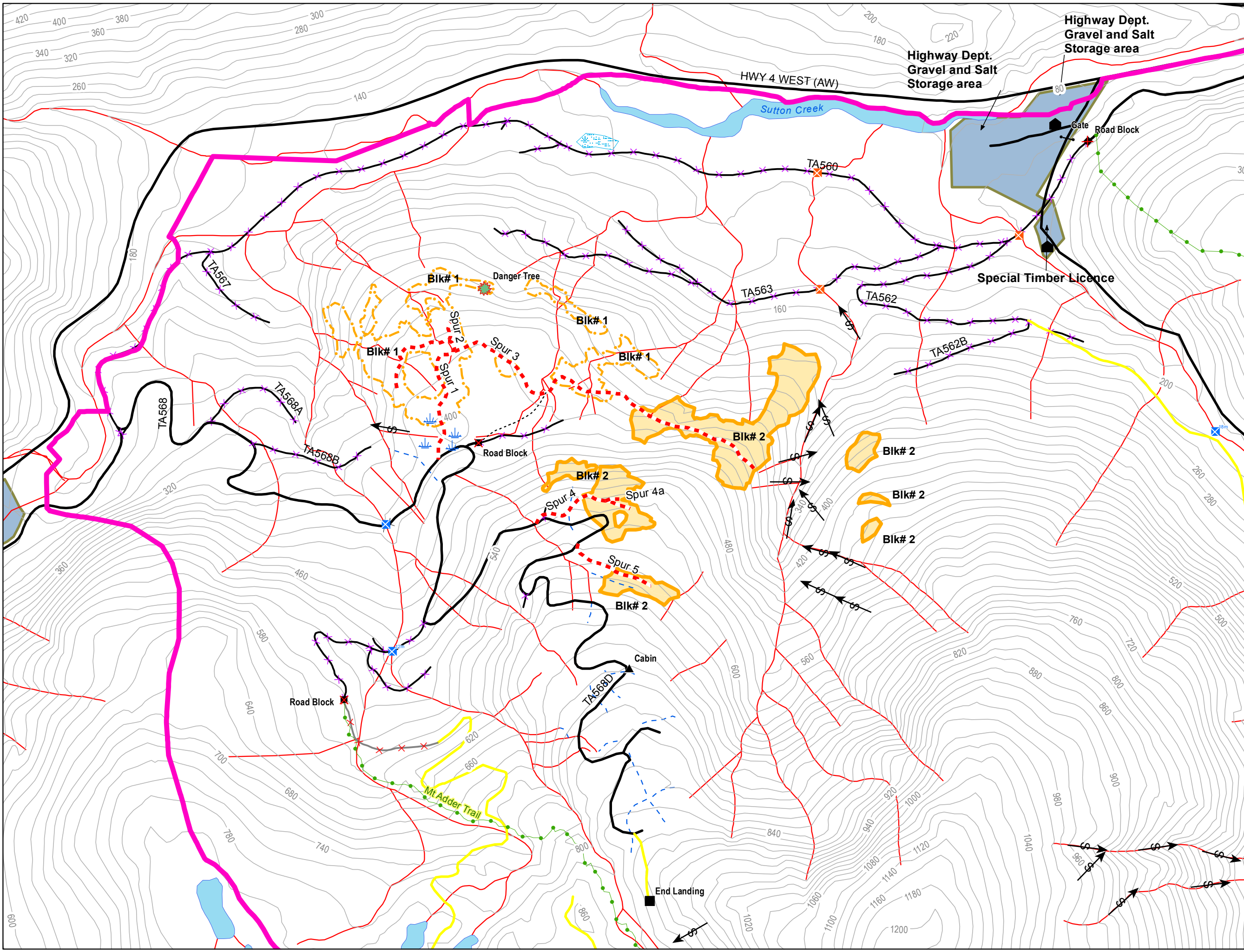
- Wildlife Tree Patch
- Timber Leave Area
- Adjacent WTP
- Adjacent TLA

- Hiking Trail
- Alberni Valley Community Forest
- Excluded Areas

Road Permit:

Cutting Permit:

MAP 1 of 1



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Driving Directions: (Approximate Distances)
From Port Alberni, take Hwy 4 West towards Tofino. Follow Hwy 4 for 46.4 km to South Taylor 228 on left . Follow South Taylor 228 for 930m to TA568 on Left. Continue along TA568 for 2.2km to block.

ALBERNI VALLEY FOREST SERVICES
ALBERNI VALLEY COMMUNITY FOREST

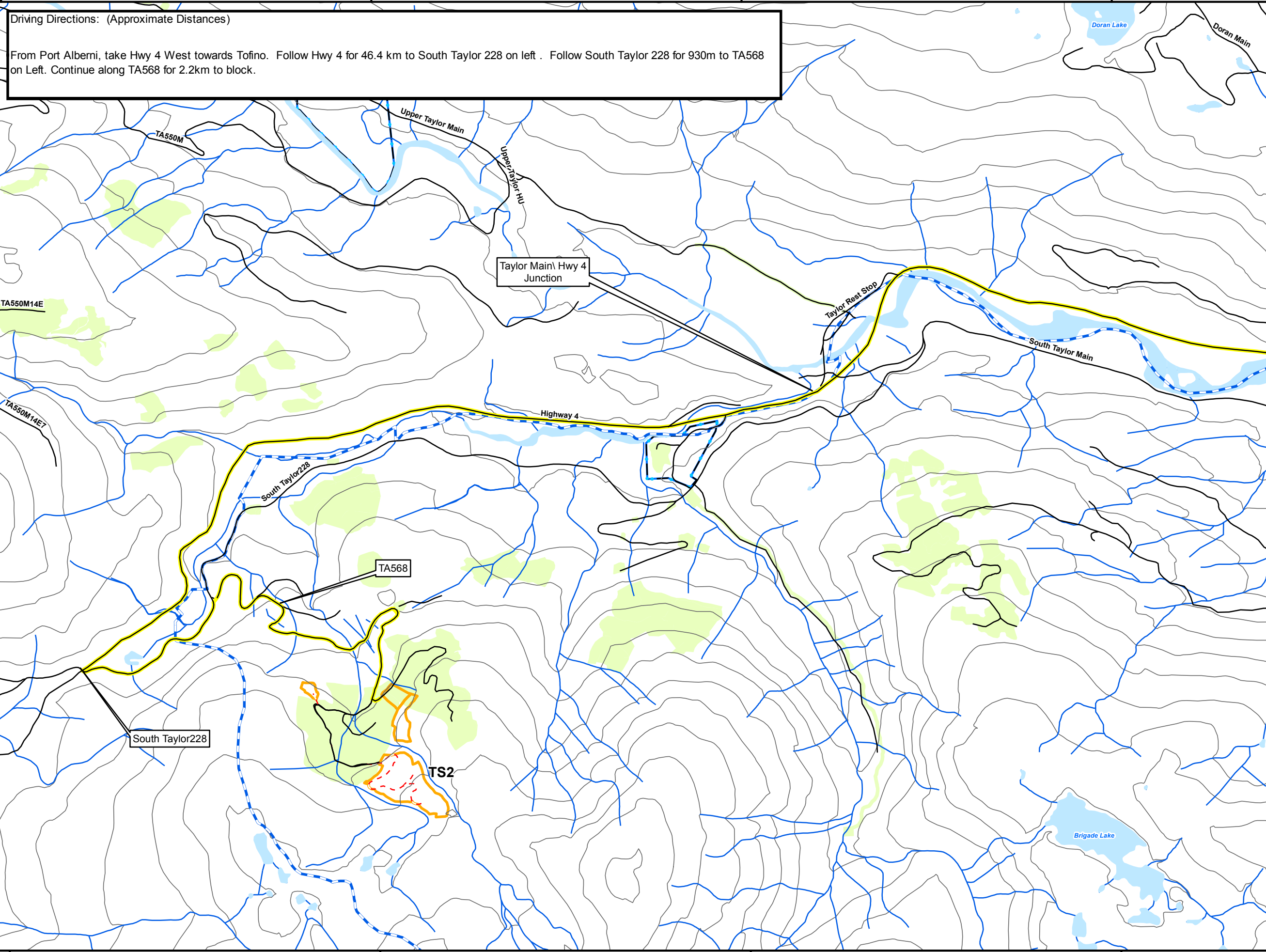
LOCATION MAP

Cutblock: TS2
Forest Region: Coast
Forest District: South Island
Land District: Clayoquot
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 16' 32"
Long: 125° 20' 01"
Author: A. Furey
Print Date: 15-Feb-2016

Scale: **1:20,000**

Datum: NAD83
Mapsheet: 92F.024
Map Revision:
Revised Date: dd-mmm-yyyy

49°18'20"N
49°16'40"N



MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested

Legal Boundary
Pruning
Feathering

Road Features:
Travel Route
Road
Proposed Road
Backspar Trail
Recreation Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced

Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Karst Feature

Resource Features:
Hazard
Single Tree Retention
Monumental Cedar
Archaeological Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour

Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID

Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5
Community Watershed

Prepared By: **MERIDIAN**
Forest Services Ltd.
PO Box 275
#15-1010 Shearman Road
Coombs, BC V0R 1M0
www.meridianforest.ca

TS2 - TAYLOR MT. ADDER
Road Permit: R18553
Cutting Permit: 009
MAP 1 of 1

HAZARD ALERT

1) A rock fall hazard has been identified and workers must be made aware of this.

Falling Type			HARVEST METHODS		VOLUME BY TIMBERMARK				PROFESSIONAL SEAL AND SIGNATURE	
Handfalling	Ha	Volume	System	Ha	Volume	Timbermark	Type	Ha	Vol	I certify that I have reviewed this document, and while I did not personally supervise the work described, I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.
Mechanical	0	0	R/W	1.9	988				0	
TOTAL	11.2	5668	Snorkel						0	
CRUISE VOL/HA (m3)			Hoe Chuck		1.9	988			0	
FOPS VOL/HA (m3)			Grapple		3.2	1664			0	
HAUL DISTANCE			High Lead				TOTAL		0	
Shoemaker - off highway	44.5		Helicopter	3.9	2028	Field Work:				
Shoemaker - highway	57.3		Harvest Area	10.9	5668	Checked By:				
			R/W Removed			CONTRACTOR	PHASE	DATE		
			WTP	0.8		CONTRACTOR	PHASE	DATE		
			TLA	4.1		CONTRACT SUPERVISOR	DATE			
			Gross Area	15.8	5668					
			External R/W	1.2	350					

Alberni Valley Community Forest

HARVEST INSTRUCTIONS MAP

Cutblock: 1

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates: Lat: 49° 17' 6" Long: 125° 19' 52"
Author: D. Brown
Map Date: April-28-16

Scale: 1:5,000
Mapsheet: 92F024
Datum: NAD83

MAP LEGEND

Boundary Features:

- Falling Boundary
- Heli Splittline
- Adjacent Engineered Block
- Adjacent Proposed Block
- Legal Boundary
- Pruning
- Feathering

Road Features:

- Built Road
- Permanent Deactivated Rd
- Semi-Perm Deactivated Rd
- Rece Road
- Proposed Road
- Backspar Trail
- Safety Trail
- Bridge Existing / New / Out
- Road Station
- Existing Culvert
- New Culvert
- Culvert Out

Natural Features:

- Windthrow
- Snag
- Swamp
- Slide
- Rock Bluff
- Karst Feature
- Landslide Initiation Feature

Resource Features:

- Hazard
- Single Tree Retention
- Monumental Cedar
- Archaeological Feature/CMT
- Government Archaeological Site
- Quarry/Gravel Pit
- Bear Den/Bird Nest
- Helipad/Service Landing
- Index Contour
- Intermediate Contour

Riparian Features:

- Fish Streams (S1-S4)
- Non Fish streams (S5, S6)
- Unclassified Creek
- Non Classified Drainage
- Gully
- Fish Habitat Area
- Reach Break/Fish Barrier
- Stream ID

Lakes/Wetlands:

- Lakes Class 1, 2, 3, 4
- Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:

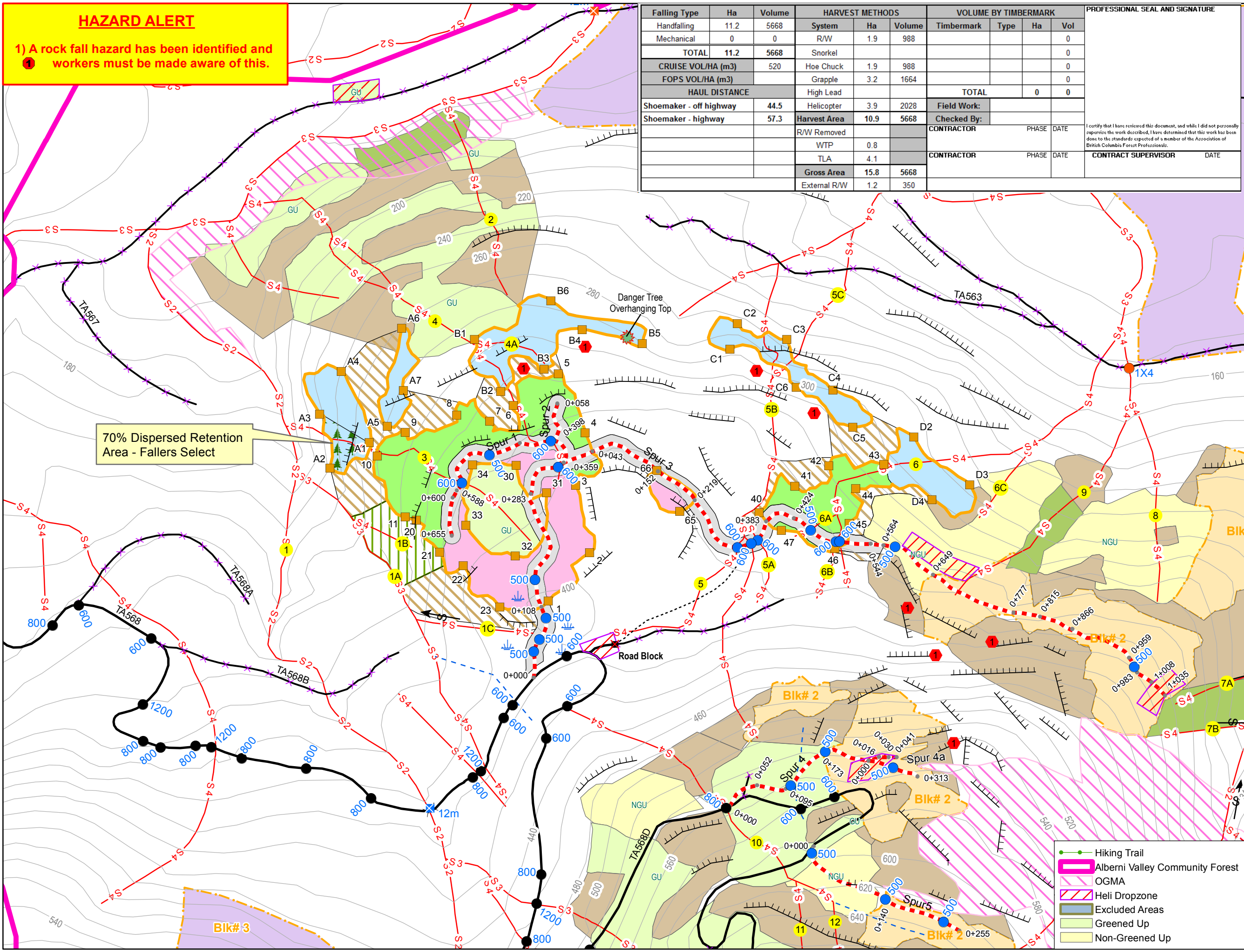
- Wildlife Tree Patch
- Timber Leave Area
- Adjacent WTP
- Adjacent TLA

Harvest Methods:

- Grapple
- Hoe Forward
- Hoechuck
- Helicopter
- Highlead
- Right-of-Way
- Snorkel

Yarding Features:

- Backspar Tree
- Sensitive Soils
- Heli Drop Zone
- Steep Grade



Road Permit:

Cutting Permit:

MAP 1 of 1

HARVEST INSTRUCTIONS CUTBLOCK: Block 1

Alberni Valley Community Forest K2D Taylor FDU ACCESS ROAD: TA568 CUTTING PERMIT: TIMBERMARK:

RAINFALL SHUTDOWN CRITERIA – WET and VERY WET ZONE: Follow AVCF Rainfall Shutdown Standard. Activities must shut down if: The total rainfall reaches 100mm in 24 hours or less, 75mm of rain has fallen since the start of the shift and rain is continuing, or the water balance is equal to or greater than 100mm, whichever occurs first.

RAINFALL START-UP CRITERIA – WET and VERY WET ZONE: - Activities may start-up when: The total rainfall is equal to or less than 50mm in 48 hours, or the water balance falls below 100mm. Soil drainage rate is 50mm in 24 hours.

STREAM STANDARDS (SOP)				
<ul style="list-style-type: none"> •PRIMARY OBJECTIVE: TO PROTECT WATER QUALITY - MAINTAIN STREAM BANKS AND THEIR NATURAL WATERCOURSE •High stump non merchantable and smaller diameter stems along all in-block streams to provide visual reference for subsequent yarding phases. •Avoid machine travel within 5m of stream banks except at crossings. •Minimize number of machine crossings, only cross streams where stream banks can be protected, use bridging material for all crossings and remove after use. •No landing or decking logs on any stream. 				
STREAM PRESCRIPTIONS				
Stream ID	Stream Class	Reserve Zone Width Slope Distance (m)	Management Zone Width Slope Distance (m)	Riparian Management Strategies.
1	S2	30m	20m	FA, YA, Outside of harvest area, Gully
1A	S3	20m	20m	FA, YA, Outside of harvest area
1B	S4	0m	30m	FA, YA, Outside of harvest area
1C	S4	0m	30m	FA, YA, Outside of harvest area
2	S4	0m	30m	FA, YA, Outside of harvest area
3	S4	0m	30m	FX, YX, NC
4	S4	0m	30m	FX, YX, NC
4A	S4	0m	30m	FX, YX, NC
5	S4	0m	30m	FA, YA, Outside of harvest area
5A	S4	0m	30m	FA, YA, Outside of harvest area
5B	S4	0m	30m	FX, YX, NC
5C	S4	0m	30m	FX, YX, NC
6	S4	0m	30m	FX, YX, NC
6A	S4	0m	30m	FX, YX, NC
6B	S4	0m	30m	FX, YX, NC
6C	S4	0m	30m	FA, YA, Outside of harvest area

STRATEGY DEFINITIONS			
	FALLING		CABLE YARDING
FX	Fall across acceptable	YX	Yard across acceptable. Full suspension where possible.
FA	Fall away only	YA	Yard away only
FA(X)	Fall away where possible	YV	Yard vertically
FA/BL	Fall Away. Leaners and danger trees that cannot be safely felled away may be bridged to span		
RS	Retain saplings and non-merch		
	GROUND BASED YARDING AND STREAM CROSSINGS		STREAM CLEANING
YX	Stream crossings acceptable provided stream standards (SOP) followed	NC	No cleaning anticipated
DX	Approximate location(s) of designated machine crossings have been identified – see map	HC	Hand clean transportable debris
NX	No machine crossings	MC	Machine clean transportable debris
MFZ	Machine Free Zone	AC	Cleaning to be assessed post-yarding prior to block completion

GENERAL INSTRUCTIONS

All employees, supervisors and contractors associated with these Harvest Instructions shall be fully advised of their content requirements and be aware and knowledgeable of Alberni Valley Community Forests (AVCF) environmental management systems (EMS) and appropriate standard operating procedures (SOPs).

ADDITIONAL INSTRUCTIONS

- [1] **Ground Based Operations / Backspar Trails:** Ensure sufficient brush matting and puncheon is utilized in order to minimize soil disturbances. If excessive soil disturbance occurs, cease operations until soil moisture conditions improve or move to an area where drier conditions exist.
- [2] **Fuelling:** Equipment must not be fuelled or serviced within the riparian management area (RMA) of a stream, lake or wetland.
- [3] **RMA distances:** STREAMS: S1 - 70 m, S2 - 50 m, S3 - 40 m, S4 - 30 m LAKES: L1 - 10 m, L3 - 30 m, WETLANDS: W1, W5 - 50 m, W3 - 30 m.
- [4] **Cultural Resources:** If an unidentified cultural heritage resource is encountered within the cutblock during any harvesting phase, operations will cease in the immediate vicinity of the feature and the AVCF representative shall be notified immediately.
- [5] **Wildlife Resources:** In the event any unidentified bear dens or raptor nest trees are encountered during falling, but before the tree has been cut, the faller will go elsewhere for the day and report this potential wildlife tree to the AVCF representative. Fallers are not to return to the vicinity of the wildlife tree until notification from the AVCF has been given. If the discovery of a bear den or potential nest tree occurs while the tree is being felled, the decision to proceed is at the faller's discretion in regards to safety and WorkSafe BC requirements. If it is unsafe to leave the tree partially cut, the faller will complete falling the tree and report the incident to AVCF.
- [6] **Seasonal Deactivation:** Ensure ditches and culverts are clean prior to completion of block and/or winter shutdown. Back up culverts with waterbars or x-ditches. Particular attention should be given to segments of road that have steep grades, steep terrain and roads within a Fisheries sensitive watershed. Maintain pickup access.
- [7] **Fish Streams:** Due to the close proximity of fish streams immediately downstream of the cutblock, ensure a high level of diligence is maintained regarding stream bank protection, in-stream woody debris disturbance, and protection of stream banks at designated crossings.
- [8] **Retention:** Internal retention not specified on the map requires review with the AVCF prior to implementing and necessitates a 'change in plan'. Individual trees along boundary edges may be left standing due to safety or operability issues and do not require documentation unless they pose hazard to subsequent phases. Groups of trees left along boundary edges for safety and/or operability issues need approval from the AVCF

CHANGE OF PLAN

Any substantial 'change of plan' will require prior approval from the AVCF. Examples of a substantial 'change of plan' are: a change in harvest system necessitated in the prework, a change in location of back spar trails, a change in approved timber to be felled or yarded and any other variation from AVCF SOPs.

FALLING of SNAGS and DANGER TREES

In accordance with the Cutting Permit Authority and WorkSafe BC Regulations, all snags and danger trees that endanger workers within a distance of 50m outside the cutblock boundaries, or within one and a half tree lengths, (whichever is greater), are approved for falling under these harvest instructions. All danger trees and related trees felled from outside of the approved boundaries must be reported to the supervisor daily and their stumps should be marked with an "X". AVCF will be notified immediately if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Felled snags and danger trees up to 50m outside of the falling boundary meeting utilization specifications will be recovered.

EXCEPTION- Wildlife Tree Patch (WTP) and Riparian reserve areas (RRZ)- Snags or danger trees can be felled within a WTP or RRZ for safety reasons although only the portion of the felled snag or danger tree that falls outside the WTP or RRZ can be recovered.

CUTBLOCK BOUNDARY TREATMENTS

All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees located along and adjacent to the cutblock edges (i.e. within the harvest boundary) that must be felled outside the harvest area must be recovered unless a physical, safety or environmental issue exists (e.g. deep gullies, steep breaks, fish creek, etc.). Trees that cannot be recovered may be left standing, if they are safe to leave, as wildlife trees. These trees must be recorded on a map and provided to the AVCF once falling is complete. If you are unsure how to proceed, contact the AVCF.

SAFETY

There is an identified danger tree with a overhanging top near FC-B5. There is no other identified road or in-block safety hazards associated with Block 1. Roads required for hauling must be inspected by a qualified supervisor and any deficiencies must be reported to the AVCF 10 days prior to hauling commencement. In the event any additional in-block safety hazards (temporary or permanent) are encountered or develop during harvesting phases, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to the AVCF (using Hazard/Issue Report Form).

TERRAIN

Block 1 has a Very Low to Low potential for post-harvest landslides other than a portion of a helicopter polygon near FC-A1 to FC-A3 which has a moderate to high potential for a small to moderate sized post-harvest landslides. Workers should be made aware of the potential for rock fall from upslope of helicopter polygons from FC-B2 to FC-B5 and FC-C1 to FC-C5.

STEEP GRADES

No new Roads have designed sections >18% but the built TA568 does contain sections of >18% grades. All other haul routes (pre-existing roads) to Sort have no sections of > 18%.

HAULING ON STEEP ROADS

Before Hauling commences on any road section >18%, a steep grade assessment must be conducted by a qualified supervisor (i.e.: prime contractor supervisor or AVCF). If any road sections have been built with critical pitch grades greater than those identified in the table below then hauling cannot commence until a new assessment has been completed by the AVCF or the road has been reconstructed to (or less than) the original designed grade. Any new steep grades >18% not identified in the table below must also be assessed by the AVCF prior to hauling

Monitor conditions continually and adjust hauling activities to suit the traction conditions. (E.g. suspend hauling activities--See Table below). If assumptions concerning truck configurations are altered, contact AVCF for additional instructions.

Falling Type			Volume			HARVEST METHODS				VOLUME BY TIMBERMARK				PROFESSIONAL SEAL AND SIGNATURE	
Handfalling	11.4	9314	System	Ha	Volume	Timbermark	Type	Ha	Vol						
Mechanical	0	0	R/W	1.6	1307				0						
TOTAL	11.4	9314	Snorkel		0				0						
CRUISE VOL/HA (m3)	817	Hoe Chuck	1.1	899					0						
FOPS VOL/HA (m3)		Grapple	4.5	3840					0						
HAUL DISTANCE		High Lead		0					0						
Shoemaker - off highway	56.2	Helicopter	4.0	3268	Field Work:										
Shoemaker - highway	59.0	Harvest Area	11.2	9314	Checked By:										
		R/W Removed	0.2		CONTRACTOR	PHASE	DATE	I certify that I have reviewed this document, and while I did not personally supervise the work described, I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.							
		WTP	0.9		CONTRACTOR	PHASE	DATE	CONTRACT SUPERVISOR							
		TLA	8.2												
		Gross Area	20.5	9314											
		External R/W	0.7												

HAZARD ALERT

1) A rock fall hazard has been identified and workers must be made aware of this.

2) Lower Rainfall Shutdown Criteria Zone, 75mm in 24 hours or rain balance of 75mm or 50mm of rain since the start of shift and is continuing.

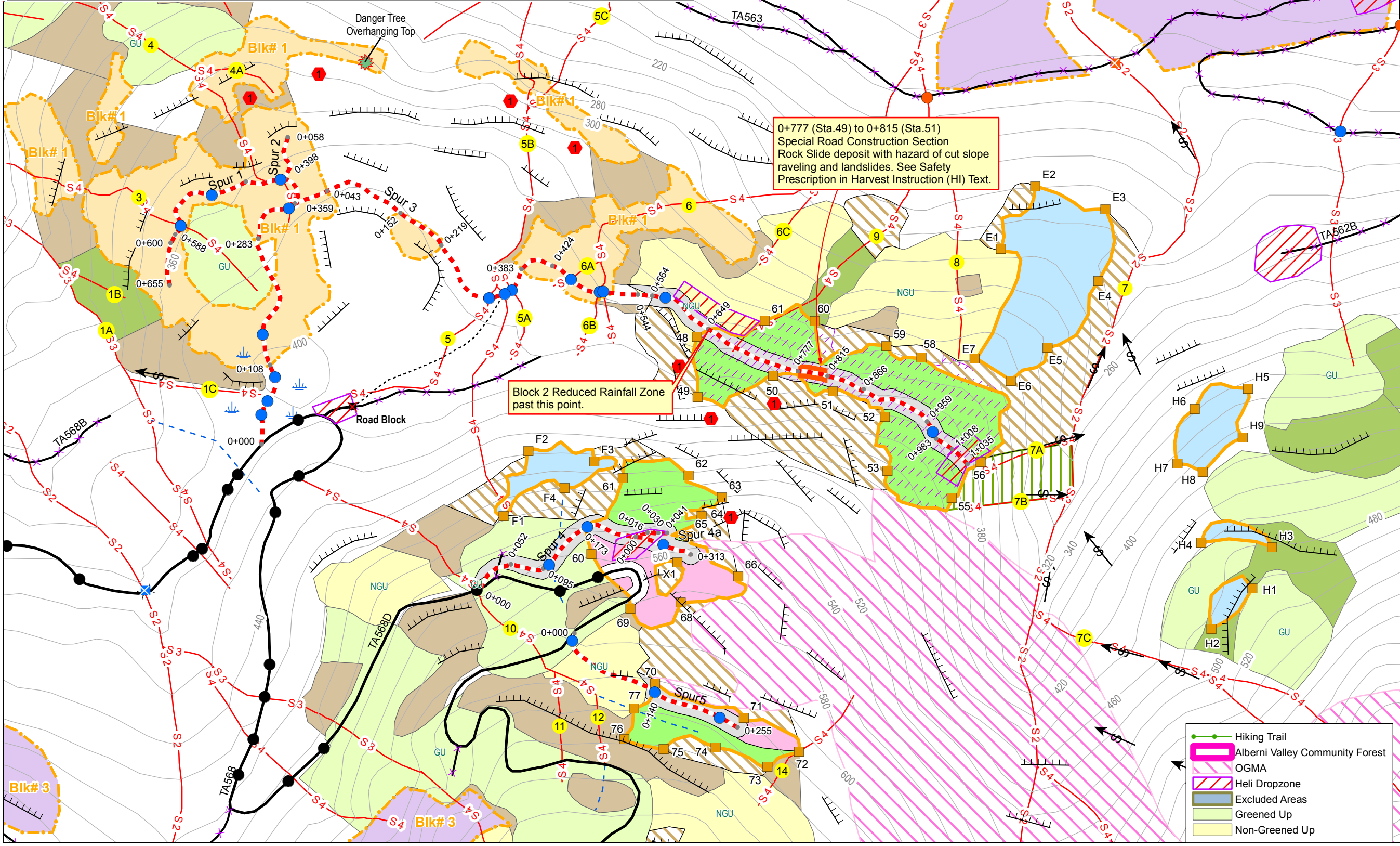
Alberni Valley Community Forest

HARVEST INSTRUCTIONS MAP

Cutblock: 2

Forest Region: Coast
Forest District: South Island
Land District: Barclay
Cascades: West C
Tenure: K2D
Geographic Coordinates: Mapsheet: 92F024
Lat: 49° 16' 54" Long: 125° 19' 20" Datum: NAD83
Author: D. Brown
Map Date: April-28-16

Scale: 1:5,000



0+777 (Sta.49) to 0+815 (Sta.51)
Special Road Construction Section
Rock Slide deposit with hazard of cut slope raveling and landslides. See Safety Prescription in Harvest Instruction (HI) Text.

Block 2 Reduced Rainfall Zone past this point.

MAP LEGEND

Boundary Features:

- Falling Boundary
- Heli Splitline
- Adjacent Engineered Block
- Adjacent Proposed Block
- Legal Boundary
- Pruning
- Feathering

Road Features:

- Built Road
- Permanent Deactivated Rd
- Semi-Perm Deactivated Rd
- Recce Road
- Proposed Road
- Backspar Trail
- Safety Trail
- Bridge Existing / New / Out
- Road Station
- Existing Culvert
- New Culvert
- Culvert Out

Natural Features:

- Windthrow
- Snag
- Swamp
- Slide
- Rock Bluff
- Karst Feature
- Landslide Initiation Feature

Resource Features:

- Hazard
- Single Tree Retention
- Monumental Cedar
- Archaeological Feature/CMT
- Government Archaeological Site
- Quarry/Gravel Pit
- Bear Den/Bird Nest
- Helipad/Service Landing
- Index Contour
- Intermediate Contour

Riparian Features:

- Fish Streams (S1-S4)
- Non Fish streams (S5, S6)
- Unclassified Creek
- Non Classified Drainage
- Gully
- Fish Habitat Area
- Reach Break/Fish Barrier
- Stream ID

Lakes/Wetlands:

- Lakes Class 1, 2, 3, 4
- Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:

- Wildlife Tree Patch
- Timber Leave Area
- Adjacent WTP
- Adjacent TLA

Harvest Methods:

- Grapple
- Hoe Forward
- HoeChuck
- Helicopter
- Highlead
- Right-of-Way
- Snorkel

Yarding Features:

- Backspar Tree
- Sensitive Soils
- Heli Drop Zone
- Steep Grade

Other Features:

- Hiking Trail
- Alberni Valley Community Forest
- OGMA
- Heli Dropzone
- Excluded Areas
- Greened Up
- Non-Greened Up

Road Permit: Cutting Permit: MAP 1 of 1

HARVEST INSTRUCTIONS CUTBLOCK: Block 2

Alberni Valley Community Forest
K2D
Taylor FDU
ACCESS ROAD: TA568
CUTTING PERMIT:
TIMBERMARK:

RAINFALL SHUTDOWN CRITERIA – WET and VERY WET ZONE: Follow AVCF Rainfall Shutdown Standard. Activities must shut down if: The total rainfall reaches 100mm in 24 hours or less, 75mm of rain has fallen since the start of the shift and rain is continuing, or the water balance is equal to or greater than 100mm, whichever occurs first.

RAINFALL START-UP CRITERIA – WET and VERY WET ZONE: - Activities may start-up when: The total rainfall is equal to or less than 50mm in 48 hours, or the water balance falls below 100mm. Soil drainage rate is 50mm in 24 hours.

STREAM STANDARDS (SOP)				
<p>•PRIMARY OBJECTIVE: TO PROTECT WATER QUALITY - MAINTAIN STREAM BANKS AND THEIR NATURAL WATERCOURSE</p> <p>•High stump non merchantable and smaller diameter stems along all in-block streams to provide visual reference for subsequent yarding phases.</p> <p>•Avoid machine travel within 5m of stream banks except at crossings.</p> <p>•Minimize number of machine crossings, only cross streams where stream banks can be protected, use bridging material for all crossings and remove after use.</p> <p>•No landing or decking logs on any stream.</p>				
STREAM PRESCRIPTIONS				
Stream ID	Stream Class	Reserve Zone Width Slope Distance (m)	Management Zone Width Slope Distance (m)	Riparian Management Strategies.
7	S2	30m	20m	FA, YA, Outside of Block, Gully
7A	S4	0m	30m	FA, YA, Outside of Block
7B	S4	0m	30m	FA, YA, Outside of Block
7C	S4	0m	30m	FA, YA, Outside of Block
8	S4	0m	30m	FA, YA, Outside of Block
9	S4	0m	30m	FX, YX, NC
10	S4	0m	30m	FA, YA, Outside of Block
11	S4	0m	30m	FA, YA, Outside of Block
12	S4	0m	30m	FA, YA, Outside of Block
14	S4	0m	30m	FA, YA, Outside of Block

STRATEGY DEFINITIONS			
FALLING		CABLE YARDING	
FX	Fall across acceptable	YX	Yard across acceptable. Full suspension where possible.
FA	Fall away only	YA	Yard away only
FA(X)	Fall away where possible	YV	Yard vertically
FA/BL	Fall Away. Leaners and danger trees that cannot be safely felled away may be bridged to span		
RS	Retain saplings and non-merch		
GROUND BASED YARDING AND STREAM CROSSINGS		STREAM CLEANING	
YX	Stream crossings acceptable provided stream standards (SOP) followed	NC	No cleaning anticipated
DX	Approximate location(s) of designated machine crossings have been identified – see map	HC	Hand clean transportable debris
NX	No machine crossings	MC	Machine clean transportable debris
MFZ	Machine Free Zone	AC	Cleaning to be assessed post-yarding prior to block completion

GENERAL INSTRUCTIONS

All employees, supervisors and contractors associated with these Harvest Instructions shall be fully advised of their content requirements and be aware and knowledgeable of Alberni Valley Community Forests (AVCF) environmental management systems (EMS) and appropriate standard operating procedures (SOPs).

ADDITIONAL INSTRUCTIONS

[1] **Ground Based Operations / Backspar Trails:** Ensure sufficient brush matting and puncheon is utilized in order to minimize soil disturbances. If excessive soil disturbance occurs, cease operations until soil moisture conditions improve or move to an area where drier conditions exist.

[2] **Fuelling:** Equipment must not be fuelled or serviced within the riparian management area (RMA) of a stream, lake or wetland.

[3] **RMA distances:** STREAMS: S1 - 70 m, S2 - 50 m, S3 - 40 m, S4 - 30 m LAKES: L1 - 10 m, L3 - 30 m, WETLANDS: W1, W5 - 50 m, W3 - 30 m.

[4] **Cultural Resources:** If an unidentified cultural heritage resource is encountered within the cutblock during any harvesting phase, operations will cease in the immediate vicinity of the feature and the AVCF representative shall be notified immediately.

[5] **Wildlife Resources:** In the event any unidentified bear dens or raptor nest trees are encountered during falling, but before the tree has been cut, the faller will go elsewhere for the day and report this potential wildlife tree to the AVCF representative. Fallers are not to return to the vicinity of the wildlife tree until notification from the AVCF has been given. If the discovery of a bear den or potential nest tree occurs while the tree is being felled, the decision to proceed is at the faller's discretion in regards to safety and WorkSafe BC requirements. If it is unsafe to leave the tree partially cut, the faller will complete falling the tree and report the incident to AVCF.

[6] **Seasonal Deactivation:** Ensure ditches and culverts are clean prior to completion of block and/or winter shutdown. Back up culverts with waterbars or x-ditches. Particular attention should be given to segments of road that have steep grades, steep terrain and roads within a Fisheries sensitive watershed. Maintain pickup access.

[7] **Fish Streams:** Due to the close proximity of fish streams immediately downstream of the cutblock, ensure a high level of diligence is maintained regarding stream bank protection, in-stream woody debris disturbance, and protection of stream banks at designated crossings.

[8] **Retention:** Internal retention not specified on the map requires review with the AVCF prior to implementing and necessitates a 'change in plan'. Individual trees along boundary edges may be left standing due to safety or operability issues and do not require documentation unless they pose hazard to subsequent phases. Groups of trees left along boundary edges for safety and/or operability issues need approval from the AVCF

CHANGE OF PLAN

Any substantial 'change of plan' will require prior approval from the AVCF. Examples of a substantial 'change of plan' are: a change in harvest system necessitated in the prework, a change in location of back spar trails, a change in approved timber to be felled or yarded and any other variation from AVCF SOPs.

FALLING of SNAGS and DANGER TREES

In accordance with the Cutting Permit Authority and WorkSafe BC Regulations, all snags and danger trees that endanger workers within a distance of 50m outside the cutblock boundaries, or within one and a half tree lengths, (whichever is greater), are approved for falling under these harvest instructions. All danger trees and related trees felled from outside of the approved boundaries must be reported to the supervisor daily and their stumps should be marked with an "X". AVCF will be notified immediately if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Felled snags and danger trees up to 50m outside of the falling boundary meeting utilization specifications will be recovered.

EXCEPTION- Wildlife Tree Patch (WTP) and Riparian reserve areas (RRZ)- Snags or danger trees can be felled within a WTP or RRZ for safety reasons although only the portion of the felled snag or danger tree that falls outside the WTP or RRZ can be recovered.

CUTBLOCK BOUNDARY TREATMENTS

All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees located along and adjacent to the cutblock edges (i.e. within the harvest boundary) that must be felled outside the harvest area must be recovered unless a physical, safety or environmental issue exists (e.g. deep gullies, steep breaks, fish creek, etc.). Trees that cannot be recovered may be left standing, if they are safe to leave, as wildlife trees. These trees must be recorded on a map and provided to the AVCF once falling is complete. If you are unsure how to proceed, contact the AVCF.

SAFETY

There is no other identified road or in-block safety hazards associated with Block 2. Roads required for hauling must be inspected by a qualified supervisor and any deficiencies must be reported to the AVCF 10 days prior to hauling commencement. In the event any additional in-block safety hazards (temporary or permanent) are encountered or develop during harvesting phases, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to the AVCF (using Hazard/Issue Report Form).

TERRAIN

Block 2 has a Very Low to Low potential for post-harvest landslides other than a portion of a helicopter polygon near FC-A2 which has a moderate potential for post-harvest landslides and a high potential for rock fall. Workers should be made aware of the potential for rock fall from upslope from FC48 to FC51, FC63 to FC65 and FC-F1 to FC-F3. Workers should be aware of deep bedrock fractures outside of harvest areas near FC59 and FC61.

STEEP GRADES

No new Roads have designed sections >18% but the built TA568 does contain sections of >18% grades. All other haul routes (pre-existing roads) to Sort have no sections of > 18%.

HAULING ON STEEP ROADS

Before Hauling commences on any road section >18%, a steep grade assessment must be conducted by a qualified supervisor (i.e.: prime contractor supervisor or AVCF). If any road sections have been built with critical pitch grades greater than those identified in the table below then hauling cannot commence until a new assessment has been completed by the AVCF or the road has been reconstructed to (or less than) the original designed grade. Any new steep grades >18% not identified in the table below must also be assessed by the AVCF prior to hauling

Monitor conditions continually and adjust hauling activities to suit the traction conditions. (E.g. suspend hauling activities--See Table below). If assumptions concerning truck configurations are altered, contact AVCF for additional instructions.

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

Forest and Range Practices Act

- How to follow plan:*
- 1) Always read and understand your plans and maps.
 - 2) Always match your plan and map to what you find on the ground and then check that you can do the work.
 - 3) Stop and ask if you cannot follow the plan and map.
 - 4) Know your responsibilities. Ask if you are unsure.
- Due Diligence means following these steps.*

Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Safety Coordinates
Latitude: 49°16'33"N
Longitude: 125°19'57"W

ALBERNI VALLEY COMMUNITY FOREST

HARVEST PLAN MAP

Cutblock: TS2
Forest Region: Coast
Forest District: South Island
Land District: Clayoquot
Forest Inventory Zone: C
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 16' 32"
Long: 125° 20' 01"
Author: A. Furey
Print Date: 06 -May -2016

Scale: **1:5,000**

Datum: NAD83
Mapsheet: 92F.024
Map Revision: **Revised Date: dd-mmm-yyyy**

Field Marking Standards:

Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	●
Internal Boundaries	FALLING BOUNDARY	●
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	●
Culturally Modified Tree	CMT	●
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	●
Management Zones (All)		
Reserve Trees (Painted)	L	●

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	0	10
L2	20	10
L3	30	0
L4	30	0

See Instructions on reverse

MAP LEGEND

Boundary Features:
Falling Boundary
Heli Splitline
Adjacent Block-Planned
Harvested

Legal Boundary
Pruning
Feathering

Road Features:
Built Road
Deactivated Road
Proposed Road
Backspar Trail
Recreation Trail
Bridge
Road Station
Existing Culvert
New Culvert
Culvert to be replaced

Natural Features:
Windthrow
Snag
Swamp
Slide
Rock Bluff
Rock

Resource Features:
PSP
Single Tree Retention
Monumental Cedar
Archaeological Feature/CMT
Quarry/Gravel Pit
Bear Den/Bird Nest
Helipad/Service Landing
Index Contour
Intermediate Contour

Riparian Features:
Fish Streams (S1-S4)
Non Fish streams (S5, S6)
Unclassified Creek
Non Classified Drainage
Gully
FSZ Stream
Reach Break/Fish Barrier
Stream ID

Lakes/Wetlands:
Lakes Class 1, 2, 3, 4
Wetlands Class 1, 2, 3, 4, 5

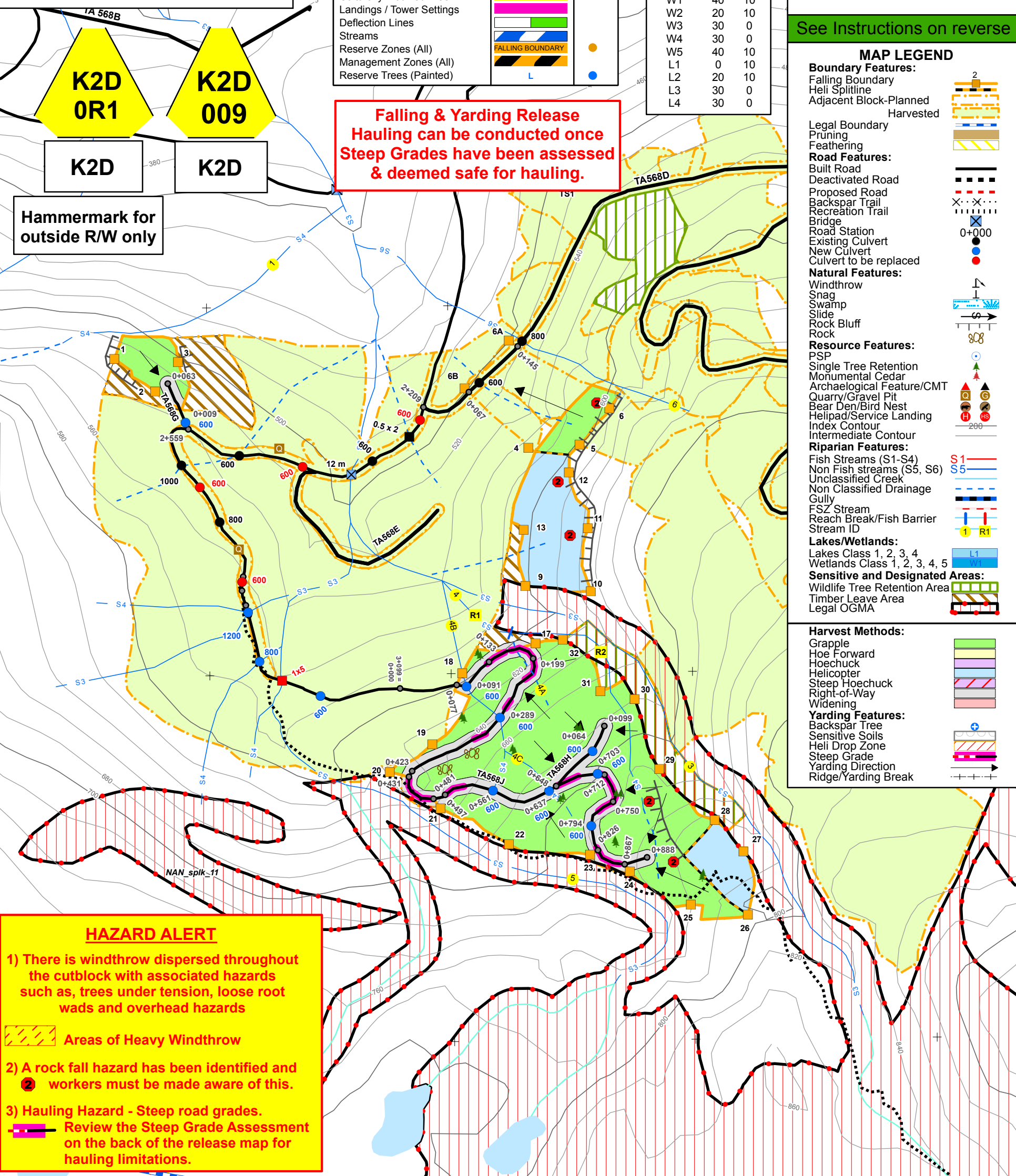
Sensitive and Designated Areas:
Wildlife Tree Retention Area
Timber Leave Area
Legal OGMA

Harvest Methods:
Grapple
Hoe Forward
Hoechuck
Helicopter
Steep Hoechuck
Right-of-Way
Widening

Yarding Features:
Backspar Tree
Sensitive Soils
Heli Drop Zone
Steep Grade
Yarding Direction
Ridge/Yarding Break

Falling & Yarding Release
Hauling can be conducted once
Steep Grades have been assessed
& deemed safe for hauling.

Hammermark for
outside R/W only



HAZARD ALERT

- 1) There is windthrow dispersed throughout the cutblock with associated hazards such as, trees under tension, loose root wads and overhead hazards
 Areas of Heavy Windthrow
- 2) A rock fall hazard has been identified and workers must be made aware of this.
- 3) Hauling Hazard - Steep road grades.
 Review the Steep Grade Assessment on the back of the release map for hauling limitations.

Felling Type	Ha	Volume	HARVEST METHODS		VOLUME BY TIMBERMARK				Species	
Handfelling	10.0	12620	System	Ha	Volume	Timbermark	Type	Ha	Vol	%
Mechanical	0.0	0	R/W	1.7	2145	K2D/009	CROWN	8.2	10349	Fd 38%
TOTAL	10.0	12620	O/RW	0.1	126	K2D/0R1	CROWN	1.8	2271	Hw 42%
CRUISE VOL/HA (m3)		1262	Hoe Chuck	0.0	0					Ba 13%
ENG VOL/HA (m3)		1262	Grapple	6.4	8077					Cw 2%
HAUL DISTANCE			Helicopter	1.8	2272					Yc 5%
Distance to Post Office Port Alberni	52.8 km		Skidder	0.0	0	Field Work:	MFS			Pw 0%
Travel Time from Port Alberni	80 min		Harvest Area	10.0	12620	Checked By:	AVCF			Dr 0%
Sproat Sort	50.0 km		Harvested Block	1.1		AVCF CORP:	Date:			Total 100%
			R/W Removed	0.0		CONTRACTOR:	Date:			OG 100%
			WTRA	1.1						SG 0%
			TLA	1.2						
			Gross Area	13.4	12620					

Prepared By: **MERIDIAN**
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Alberni Valley Community Forest

ROAD INSTRUCTIONS MAP

Cutblock: 1&2
 Forest Region: Coast
 Forest District: South Island
 Land District: Barclay
 Cascades: West C
 Tenure: K2D
 Geographic Coordinates: Mapsheet: 92F024
 Blk 1: Datum: NAD83
 Lat: 49° 17' 6"
 Long: 125° 19' 52"
 Blk 2:
 Lat: 49° 16' 54"
 Long: 125° 19' 20"
 Author: D. Brown
 Map Date: September-29-15

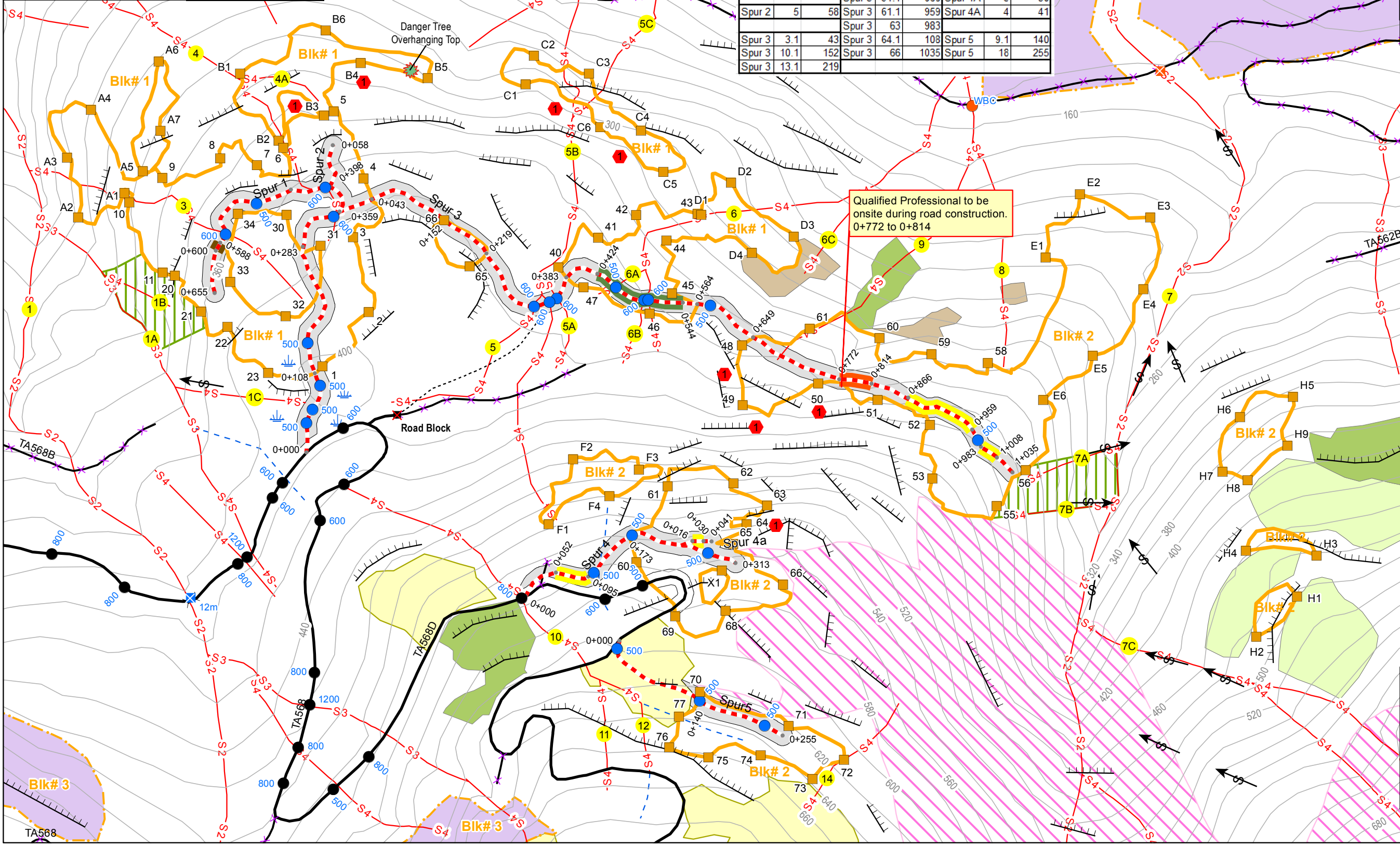
Scale:
 1:5,000

HAZARD ALERT

1) A rock fall hazard has been identified and workers must be made aware of this.

Road	Hub	Station	Road	Hub	Station	Road	Hub	Station
Spur 1	8.1	108	Spur 3	26.1	383	Spur 4	4	52
Spur 1	22.1	283	Spur 3	29	424	Spur 4	8	95
Spur 1	29	359	Spur 3	36	544	Spur 4	14.1	173
Spur 1	33	398	Spur 3	37	564	Spur 4	20.1	239
Spur 1	47	588	Spur 3	42	649	Spur 4	26	313
Spur 1	48	600	Spur 3	49	772			
Spur 1	51	655	Spur 3	51.1	814	Spur 4A	2	16
			Spur 3	54.1	866	Spur 4A	3	30
Spur 2	5	58	Spur 3	61.1	959	Spur 4A	4	41
			Spur 3	63	983			
Spur 3	3.1	43	Spur 3	64.1	108	Spur 5	9.1	140
Spur 3	10.1	152	Spur 3	66	1035	Spur 5	18	255
Spur 3	13.1	219						

TIMBERMARK	Ha of R/W	VOLUME	CULVERTS			ROAD NAME	START	END	TOTAL	PROFESSIONAL SEAL AND SIGNATURE	
			SIZE	TYPE	NUMBER						
	3.6	2437				Spur 1	0	655	655		
	1.8	350	500	CMP	14	Spur 2	0	58	58		
TOTAL	5.4	2787	600	CMP	8	Spur 3	0	1035	1035		
						Spur 4	0	313	313		
						Spur 4a	0	41	41		
						Spur 5	0	255	255		
CRUISE VOL/HA (m3)	520 / 817										
FOPS VOL/HA (m3)											
HAUL DISTANCE						TOTAL NEW ROAD		2357			
Block 1 Distances						Field Work:					
Shoemaker - off highway	44.5					Checked By:					
Shoemaker - highway	57.3					CONTRACTOR	PHASE	DATE			
Block 2 Distances											
Shoemaker - off highway	56.2					CONTRACT SUPERVISOR	PHASE	DATE			
Shoemaker - highway	59.0										
			TOTAL		22						



Qualified Professional to be onsite during road construction. 0+772 to 0+814

MAP LEGEND

Boundary Features:

- Falling Boundary
- Heli Splitline
- Adjacent Engineered Block
- Adjacent Proposed Block
- Legal Boundary
- Pruning
- Feathering

Road Features:

- Built Road
- Permanent Deactivated Rd
- Semi-Perm Deactivated Rd
- Recce Road
- Proposed Road
- Backspar Trail
- Safety Trail
- Bridge Existing / New / Out
- Road Station
- Existing Culvert
- New Culvert
- Culvert Out

Natural Features:

- Windthrow
- Snag
- Swamp
- Slide
- Rock Bluff
- Karst Feature
- Landslide Initiation Feature

Resource Features:

- Hazard
- Single Tree Retention
- Monumental Cedar
- Archaeological Feature/CMT
- Government Archaeological Site
- Quarry/Gravel Pit
- Bear Den/Bird Nest
- Helipad/Service Landing
- Index Contour
- Intermediate Contour

Riparian Features:

- Fish Streams (S1-S4)
- Non Fish streams (S5, S6)
- Unclassified Creek
- Non Classified Drainage
- Gully
- Fish Habitat Area
- Reach Break/Fish Barrier
- Stream ID

Lakes/Wetlands:

- Lakes Class 1, 2, 3, 4
- Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:

- Wildlife Tree Patch
- Timber Leave Area
- Adjacent WTP
- Adjacent TLA

Road Construction:

- Step Grade
- Full Bench EndHaul
- Full Bench Partial EndHaul
- No Sidecast
- RMA Infringement

Road Reactivation:

- Case 1
- Case 2
- Case 3
- Case 4
- Additional Works. See Comments.

ROAD INSTRUCTIONS CUTBLOCK: Block 1 & Block 2

Alberni Valley Community Forest

K2D

Taylor FDU

ACCESS ROAD: TA568 & TA568D

CUTTING PERMIT:

TIMBERMARK:

RAINFALL SHUTDOWN CRITERIA – WET and VERY WET ZONE: Follow AVCF's Rainfall Shutdown Standard. Activities must shut down if: The total rainfall reaches 100mm in 24 hours or less, 75mm of rain has fallen since the start of the shift and rain is continuing, or the water balance is equal to or greater than 100mm, whichever occurs first.

RAINFALL START-UP CRITERIA – WET and VERY WET ZONE: - Activities may start-up when: The total rainfall is equal to or less than 50mm in 48 hours, or the water balance falls below 100mm. Soil drainage rate is 50mm in 24 hours.

ROAD CONSTRUCTION SUMMARY

Road Name	Start Station	End Station	Type of Works/Comments
Spur 1	0+000	Sta.51 – 0+655	New Road Construction, Stream crossings listed below.
Spur 2	0+000	Sta.5 – 0+058	New Road Construction, no Stream crossings.
Spur 3	0+000	Sta.66 – 1+035	New Road Construction, Stream crossings listed below.
Spur 4	0+000	Sta.26 – 0+313	New Road Construction, No Stream Crossings
Spur 4A	0+000	Sta.4 – 0+041	New Road Construction, No Stream Crossings
Spur 5	0+000	Sta.18 – 0+255	New Road Construction, No Stream Crossings.

SPECIAL CONSTRUCTION / ENDHAUL SUMMARY

Road Name	Start Station	End Station	Prescriptions
Spur 1	Sta.47 – 0+588	Sta.48 – 0+600	Conventional Road Construction with no side casting over steep bedrock outcrop.
Spur 3	Sta.29 – 0+424	Sta.36 – 0+544	Partial End-haul (PEH)
Spur 3	Sta.49 – 0+772	Sta.51 (+5m) – 0+814	Section of coarse colluvium or bedrock fractures. Have a Qualified Professional Engineer on-site during road building.
Spur 3	Sta.55 (-10m) – 0+866	Sta.62 (-5m) – 0+959	Full Bench End-haul
Spur 3	Sta.63 – 0+983	Sta.64 (+5m) – 1+008	Full Bench End-haul
Spur 4	Sta.4 – 0+052	Sta.8 – 0+095	Full Bench End-haul
Spur 4A	0+016 – Sta.2	0+030 – Sta.4	Full Bench End-haul

Road Name	Station	Riparian ID	Riparian Class	Debris Transport Potential	Culvert/Bridge Size	Designed Peak Flow	Special instructions for operations within or adjacent to RMA
Spur 1	Sta.28 - 0+348	4	S4	Low	600	Q100	None
Spur 1	Sta.33.1 - 0+404	4	S4	Low	600	Q100	None
Spur 1	Sta.45.1 - 0+575	3	S4	Low	600	Q100	None
Spur 3	Sta. 21 - 0+317	5	S4	Low	600	Q100	None
Spur 3	Sta.23.1 - 0+337	5B	S4	Low	600	Q100	None
Spur 3	Sta.24.1 - 0+348	5A	S4	Low	600	Q100	None
Spur 3	Sta.30.2 - 0+453	6A	S4	Low	500	Q100	None
Spur 3	Sta.33.2 - 0+494	6B	S4	Low-Mod	600	Q100	None
Spur 3	Sta.34 - 0+499	6	S4	Low-Mod	600	Q100	None

GENERAL INSTRUCTIONS

All employees, supervisors and contractors associated with these Road Instructions shall be fully advised of their content requirements and be aware and knowledgeable of Alberni Valley Community Forest (AVCF) environmental management systems (EMS) and appropriate standard operating procedures (SOPs).

ADDITIONAL INSTRUCTIONS

[1] **R/W Widths:** R/W clearing widths to be 25 meters unless a larger width is required for safety or otherwise prescribed. See table on front of map.

[2] **Pit or Spoil Sites:** Prior approval must be obtained from AVCF if falling beyond right-of-way clearing is required for spoil sites or quarries.

[3] **Culverts:** Proposed cross-drain culvert locations are approximate. Site specific installation to within ±25m is acceptable. Installation beyond this distance constitutes a 'change of plan' and requires prior approval from the AVCF Representative.

[4] **Fuelling:** Equipment must not be fuelled or serviced within the riparian management area (RMA) of a stream, lake or wetland.

RMA distances: STREAMS: S1 - 70 m, S2 – 50 m, S3 – 40 m, S4 – 30 m, LAKES: L1 – 10 m, L3 – 30 m, WETLANDS: W1, W5 – 50 m, W3 – 30 m.

[5] **Quarries:** Avoid quarry locations within the RMA of any stream; where avoidance is not practical, quarries may be located within the RMA of a S6 stream if no impacts (i.e. increased sedimentation) will occur to the stream. All other streams (i.e. S1 to S5) require prior approval from AVCF before a quarry may be located within its RMA.

[6] **Cultural Resources:** If an unidentified cultural heritage resource is encountered within the cutblock during any harvesting phase, operations will cease in the immediate vicinity of the feature and TFN's engineering department shall be notified immediately.

[7] **Wildlife Resources:** In the event any unidentified bear dens or raptor nest trees are encountered during falling, but before the tree has been cut, the faller will go elsewhere for the day and report this potential wildlife tree to an AVCF Representative. Fallers are not to return to the vicinity of the wildlife tree until notification from the AVCF has been given. If the discovery of a bear den or potential nest tree occurs while the tree is being felled, the decision to proceed is at the faller's discretion in regards to safety and WorkSafe BC requirements. If it is unsafe to leave the tree partially cut, the faller will complete falling the tree and report the incident to the AVCF.

[8] **Fish Streams:** Due to the close proximity of fish streams immediately downstream of the cutblock, ensure a high level of diligence is maintained regarding stream bank protection, in-stream woody debris disturbance, and protection of stream banks at designated crossings.

CHANGE OF PLAN

Any substantial 'change of plan' will require prior approval from the AVCF. Examples of a substantial 'change of plan' are: a wood culvert to a metal culvert, a large metal culvert to two smaller metal culverts, a different spoil site location, and any variation from the AVCF SOPs.

FALLING of SNAGS and DANGER TREES

In accordance with the Cutting Permit Authority and WorkSafe BC Regulations, all snags and danger trees that endanger workers within a distance of 50m outside the cutblock boundaries, or within one and a half tree lengths, (whichever is greater), are approved for falling under these harvest instructions. All danger trees and snags outside the cutblock boundaries that are required to be felled must be recorded on a map and provided to the AVCF once falling has been completed. The AVCF will be notified immediately if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Felled snags and danger trees up to 50m outside of the falling boundary meeting utilization specifications will be recovered.

EXCEPTION- Wildlife Tree Patch (WTP) areas and Riparian Reserve Zone (RRZ) - Snags or danger trees can be felled within a WTP or RRZ for safety reasons although only the portion of the felled snag or danger tree that falls outside the WTP or RRZ can be recovered.

CUTBLOCK BOUNDARY TREATMENTS

All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees located along and adjacent to the cutblock edges (i.e. within the harvest boundary) that must be felled outside the harvest area must be recovered unless a physical, safety or environmental issue exists (e.g. deep gullies, steep breaks, fish creek, etc.). Trees that cannot be recovered may be left standing, if they are safe to leave, as wildlife trees. These trees must be recorded on a map and provided to TFN's engineering department once falling is complete. If you are unsure how to proceed, contact the AVCF.

SAFETY

There is no other identified road or in-block safety hazards associated with Block 2. In the event any additional in-block safety hazards (temporary or permanent) are encountered or develop during road construction, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to the AVCF (using Hazard/Issue Report Form).

STEEP GRADES

No new Roads have designed sections >18% but the built TA568 does contain sections of >18% grades. All other haul routes (pre-existing roads) to Sort have no sections of > 18%.

HAULING ON STEEP ROADS

Before Hauling commences on any road section >18%, a steep grade assessment must be conducted by a qualified supervisor (i.e.: prime contractor supervisor or AVCF). If any road sections have been built with critical pitch grades greater than those identified in the table below then hauling cannot commence until a new assessment has been completed by the AVCF or the road has been reconstructed to (or less than) the original designed grade. Any new steep grades >18% not identified in the table below must also be assessed by the AVCF prior to hauling

Monitor conditions continually and adjust hauling activities to suit the traction conditions. (E.g. suspend hauling activities--See Table below). If assumptions concerning truck configurations are altered, contact AVCF for additional instructions.

Due Diligence

Two falling corners and/or road stations must be referenced in the field with the release map on a continual basis before, and during the felling of any timber within this setting. If you are unsure of your location, Stop Work and call a supervisor.

Forest and Range Practices Act

How to follow plan:

- 1) Always read and understand your plans and maps.
 - 2) Always match your plan and map to what you find on the ground and then check that you can do the work.
 - 3) Stop and ask if you cannot follow the plan and map.
 - 4) Know your responsibilities. Ask if you are unsure.
- Due Diligence means following these steps.

Timbermarking requirements:
All decked timber must be sufficiently marked (at least 10%) when the setting is inactive.

Safety Coordinates
Latitude: 49°16'33"N
Longitude: 125°19'57"W

ALBERNI VALLEY COMMUNITY FOREST

ROAD CONSTRUCTION MAP

Cutblock: TS2
Forest Region: Coast
Forest District: South Island
Land District: Clayoquot
Forest Inventory Zone: B
Cascades: West C
Tenure: K2D
Geographic Coordinates:
Lat: 49° 16' 32"
Long: 125° 20' 01"
Author: A. Furey
Print Date: 11-May-2016

Scale: **1:5,000**

Datum: NAD83
Mapsheet: 92F.024
Map Revision: **Revised Date: dd-mmm-yyyy**

Field Marking Standards:		
Activity	Ribbon	Paint
Falling Boundary	FALLING BOUNDARY	●
Internal Boundaries	FALLING BOUNDARY	●
Reconnaissance Lines		
Traverse Stations (All)		
Cruise Strips / Plots		
Road Location	ROAD LOCATION	●
Culturally Modified Tree	CMT	
Landings / Tower Settings		
Deflection Lines		
Streams		
Reserve Zones (All)	FALLING BOUNDARY	●
Management Zones (All)		
Reserve Trees (Painted)	L	●

Riparian Class	RMZ	RRZ
S1	20	50
S2	20	30
S3	20	20
S4	30	0
S5	30	0
S6	20	0
W1	40	10
W2	20	10
W3	30	0
W4	30	0
W5	40	10
L1	40	10
L2	20	10
L3	30	0
L4	30	0

Falling & Yarding Release
Hauling can be conducted once Steep Grades have been assessed & deemed safe for hauling.

See Instructions on reverse

MAP LEGEND

Boundary Features:

- Falling Boundary
- Heli Splitline
- Adjacent Block-Planned
- Harvested

Legal Boundary

- Pruning
- Feathering

Road Features:

- Built Road
- Deactivated Road
- Proposed Road
- Backspar Trail
- Recreation Trail
- Bridge
- Road Station
- Existing Culvert
- New Culvert
- Culvert to be replaced

Natural Features:

- Windthrow
- Snag
- Swamp
- Slide
- Rock Bluff
- Karst Feature

Resource Features:

- PSP
- Single Tree Retention
- Monumental Cedar
- Archaeological Feature/CMT
- Quarry/Gravel Pit
- Bear Den/Bird Nest
- Helipad/Service Landing
- Index Contour
- Intermediate Contour

Riparian Features:

- Fish Streams (S1-S4)
- Non Fish streams (S5, S6)
- Unclassified Creek
- Non Classified Drainage
- Gully
- FSZ Stream
- Reach Break/Fish Barrier
- Stream ID

Lakes/Wetlands:

- Lakes Class 1, 2, 3, 4
- Wetlands Class 1, 2, 3, 4, 5

Sensitive and Designated Areas:

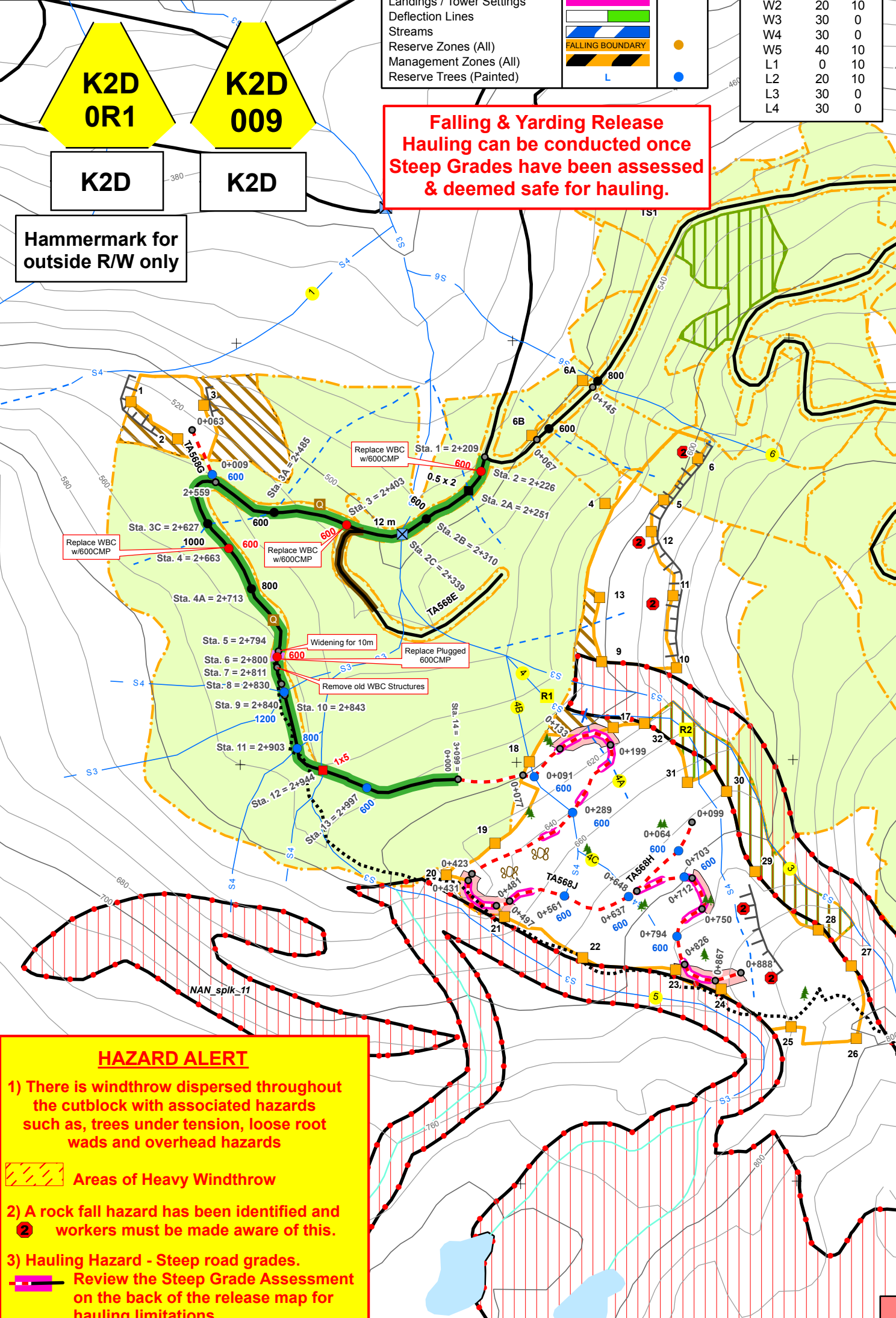
- Wildlife Tree Retention Area
- Scenic Area
- Legal OGMA

Road Construction:

- Steep Grade
- Full Bench EndHaul
- Full Bench Partial EndHaul
- Spoil Site
- RMA Infringement

Road Re-activation:

- Case 1 - Brushing
- Case 1 - Brush & Widening



HAZARD ALERT

- 1) There is windthrow dispersed throughout the cutblock with associated hazards such as, trees under tension, loose root wads and overhead hazards
- 2) A rock fall hazard has been identified and workers must be made aware of this.
- 3) Hauling Hazard - Steep road grades. Review the Steep Grade Assessment on the back of the release map for hauling limitations.

RMA INFRINGEMENTS
TA568J

- 0+133 to 0+199
- 0+423 to 0+497
- 0+712 to 0+750
- 0+826 to 0+888

TIMBERMARK	Ha of R/W	VOLUME	CULVERTS	ROAD NAME	START	END	TOTAL	SPECIES	PROFESSIONAL SEAL AND SIGNATURE
K2D/OR1	1.8	2271	13	TA568J	0	888	888	%	<p>I certify that I have reviewed this document, and while I did not personally supervise the work described, I have determined that this work has been done to the standard expected of a member of the Association of British Columbia Forest Professionals.</p> <p>_____ Date: _____</p>
				TA568H	0	99	99	Fd 38%	
				TA568G	0	63	63	Hw 42%	
TOTAL	1.8	2271	1	TOTAL NEW ROAD			1050	Ba 13%	
CRUISE VOL/HA (m3)	1262	1200	CMP 1	TA568 - Case 1	2209	3099	890	Cw 2%	
ENG VOL/HA (m3)	1262	1X5	WBC 1	TOTAL ROAD REHAB			890	Yc 5%	
HAUL DISTANCE				Field Work:				Pw 0%	
Distance to Post Office Port Alberni	52.8 km			Checked By:				Dr 0%	
Travel Time from Port Alberni	80 min			HFN FORESTRY:	PHASE	DATE		OG 100%	
Sproat Sort	50.0 km			CONTRACTOR:	PHASE	DATE		SG 0%	
TOTAL 16									

Prepared By: **MERIDIAN**
Forest Services Ltd.
PO Box 275
#15-1010 Shearman Road
Coombs, BC V0R 1M0
www.meridianforest.ca



ROAD INSTRUCTIONS – OPENING#TS2

ACCESS ROAD: TA568

CUTTING PERMIT: NO. 9

TIMBERMARK: K2D/ OR1

RAINFALL SHUTDOWN CRITERIA

Cutblock TS2 is within Rainfall Shutdown Area "5"

Shutdown Criteria: Activities must shut down if: The total rainfall reaches 58 mm in 24 hours. Onsite rain gages should be used and monitored daily.

Start-Up Criteria: Activities may start-up when: The total rainfall is equal to or less than 30 mm in 24 hours. Refer to the Return to work guide in the tender document for more information.

Adequate recovery time should be given before building operations commence after a shutdown.

ROAD NAME	START STATION	END STATION	TYPE OF WORK/COMMENTS
TA568	2+209	3+099	Road Reactivation
TA568J	3+099=0+000	0+888	New Construction
TA568G	0+000	0+063	New Construction
TA568H	0+000	0+099	New Construction

ROAD NAME	STATION	RIPARIAN ID	RIPARIAN CLASS	DEBRIS TRANSPORT POTENTIAL	CULVERT/ BRIDGE SIZE	DESIGNED PEAK FLOW	Special instructions for operations within or adjacent to RMA
TA568	2+213	-	-	-	600	X-Drain	OPENING TS2 LIES WITHIN THE SPROAT LAKE COMMUNITY WATERSHED. ALL STREAM CROSSINGS ARE TO BE ARMORED WITH COARSE ROCK MATERIAL TO MINIMIZE THE TRANSPORT OF FINES DOWN STREAM.
TA568	2+390	-	-	-	600	X-Drain	
TA568	2+650	-	-	-	600	X-Drain	
TA568	2+787	-	-	-	600	X-Drain	
TA568	2+827	-	S3	Low - Moderate	1200	Q-100	
TA568	2+890	-	S4	Low	800	Q-100	
TA568	2+931	5	S3	Moderate-High	1x5	Q-100	
TA568	2+984	-	-	-	600	X-Drain	
TA568J	0+091	4B	S4	Low	600	Q-100	
TA568J	0+289	4B	S4	Low	600	Q-100	
TA568J	0+561	-	-	-	600	X-Drain	
TA568J	0+637	4C	S4	Low	600	Q-100	
TA568J	0+703	-	-	-	600	X-Drain	
TA568J	0+794	-	-	-	600	X-Drain	
TA568G	0+009	-	-	-	600	X-Drain	
TA568H	0+064	-	-	-	600	X-Drain	

GENERAL INSTRUCTIONS

All employees, supervisors and contractors associated with these Harvest Instructions shall be fully advised of their contents and requirements.

All litter including cable, oil buckets, grease tubes, newspapers, and lunch garbage is to be placed in appropriate garbage containers and removed from the site for proper disposal concurrent with all operations.

ADDITIONAL INSTRUCTIONS

[1] R/W clearing widths to be 20 meters unless a larger width is required for safety or otherwise prescribed.

[2] Prior approval must be obtained from AVCF if falling beyond right-of-way clearing is required for spoil sites or quarries.

[3] Proposed cross-drain culvert locations are approximate. Site specific installation to within ±25m is acceptable. Installation beyond this distance constitutes a 'change of plan' and requires prior approval from AVCF.

[4] Equipment must not be fuelled or serviced within the riparian management area (RMA) of a stream, lake or wetland. Do not park any equipment within an RMA overnight.

[5] Affected water licensees or affected water purveyors must be notified at least 48 hours before commencement of road construction, re-activation or deactivation in a community watershed.

RMA distances: STREAMS: S1 - 70 meters, S2 - 50 meters, S3 - 40 meters, S4 - 30 meters, S5 - 30 meters, S6 - 20 meters, LAKES: L1 - 10 meters, L3 - 30 meters, WETLANDS: W1, W5 - 50meters, W3 - 30 meters.

[6] Avoid quarry locations within the RMA of any stream; where avoidance is not practical, quarries may be located within the RMA of a S6 stream if no impacts (i.e. increased sedimentation) will occur to the stream. All other streams (i.e. S1 to S5) require prior approval from AVCF before a quarry may be located within its RMA. Do not deck or process wood within RMA's.

[7] **Cultural Resources:** If an unidentified cultural heritage resource is encountered within the cutblock during any harvesting phase, operations will cease in the immediate vicinity of the feature and AVCF shall be notified immediately.

[8] **Wildlife Resources:** In the event any unidentified bear dens or raptor nest trees are encountered during falling, but before the tree has been cut, the faller will go elsewhere for the day and report this potential wildlife tree to a AVCF Supervisor. Fallers are not to return to the vicinity of the wildlife tree until notification from AVCF has been given. If the discovery of a bear den or potential nest tree occurs while the tree is being felled, the decision to proceed is at the faller's discretion in regards to safety and Worksafe BC requirements. If it is unsafe to leave the tree partially cut, the faller will complete felling the tree and report the incident to AVCF.

[9] **Fish Streams:** Due to the close proximity of fish streams immediately downstream of the cutblock, ensure a high level of diligence is maintained regarding stream bank protection, in-stream woody debris disturbance and protection of stream banks at designated crossings.

[10] **Invasive Plants:** Broom occurs along sections of TA568. Follow FSP measures for invasive plants. Cut and remove plants in association with road reactivation, clean machinery as required. Monitor and treat broom and other invasive species during early establishment. Grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest.

FALLING of SNAGS and DANGER TREES

In accordance with the Cutting Permit Authority and WorkSafe BC Regulations, all snags and danger trees that endanger workers within a distance of 50m outside the cutblock boundaries, or within one and a half tree lengths, (whichever is greater), are approved for falling under these harvest instructions. All danger trees and snags outside the cutblock boundaries that are required to be felled must be recorded on a map and provided to AVCF once falling has been completed. AVCF will be notified immediately if danger trees and/or snags are identified in groups and removal will result in the cutblock boundary being substantially impacted. Felled snags and danger trees up to 50m outside of the falling boundary meeting utilization specifications will be recovered.

EXCEPTION- Wildlife Tree Patch (WTP) areas and OLD Growth Management Areas (OGMA) - Snags or danger trees can be felled within a WTP or OGMA for safety reasons although only the portion of the felled snag or danger tree that falls outside the WTP can be recovered.

CUTBLOCK BOUNDARY TREATMENTS

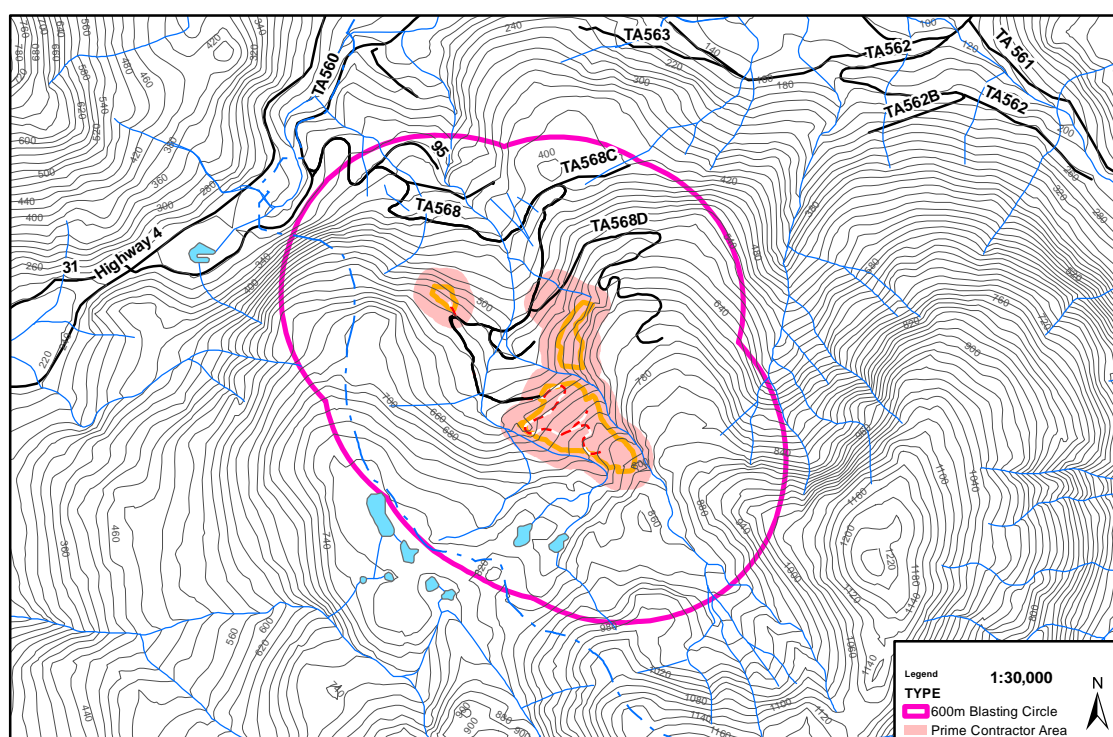
All marked boundary trees except snags and danger trees must remain standing during and after the completion of harvesting. Trees located along and adjacent to the cutblock edges (i.e. within the harvest boundary) that must be felled outside the harvest area must be recovered unless a physical, safety or environmental issue exists (e.g. deep gullies, steep breaks, fish creek, etc.). Trees that cannot be recovered may be left standing, if they are safe to leave, as wildlife trees. These trees must be recorded on a map and provided to AVCF once falling is complete; If unsure how to proceed, contact AVCF.

SAFETY

Road and in-block safety hazards associated with block TS2 have been identified on the harvest and road instruction maps. In the event additional in-block safety hazards (temporary or permanent) are encountered or develop during road construction or harvesting phases, a plan must be developed to address the hazard. Any identified permanent hazards must be reported back to AVCF (using Hazard/Issue Report Form).

STEEP GRADES

Road segments with gradients > 18% have been identified on the Harvest and Road instruction Plan Map en route to the setting. Prior to commencing log hauling operations the contractor must perform a risk assessment of the current conditions and adjust hauling activities to suit the traction conditions. Hauling for TS2 will not be permitted when ice and or snow is on the logging roads leading to or in the given setting (very low traction level). This has been determined using FERRIC step grade decent guidelines. The Ministry of Transportation guidelines are to be followed once on the highway.





Alberni Valley Community Forest Corporation

**REQUEST FOR PROPOSAL
2016-4 TENDER OFFER FORM**

Contract Name/Project: Harvest of Standing Timber and Road Building
Location: Blocks 1, 2 and TS2 (Taylor FDU)
Deadline for Submissions: 16:00 hours (4:00pm PST) July 28, 2016

Tender Submissions submitted to:

Office: AVCFC Office, 7500 Airport Road Port Alberni, B.C. V9Y 8Y9
Alberni Valley Regional Airport Terminal Building

EMAIL: manager@communityforest.ca

** If you send your tender by email please phone (250)731-7377 to confirm it was received.*

NAME OF BIDDER (the bidder): _____

Business Address: _____

Telephone Number: _____ FAX Number: _____

Email Address: _____

WCB #: _____ BCFSC Certification: _____

Identify how you may maximize local employment and support First Nations participation and/or attach your plan:

1. THE UNDERSIGNED BIDDER HAVING FULL KNOWLEDGE AND UNDERSTANDING OF:

- a) the nature and scope of the work described in the Bid Proposal Information Package and the tools and equipment required to complete the services or work (the 'Work');
- b) the contents of all of the bid proposal documents issued by the AVCFC in respect of the Work, including any addenda; and
- c) the locality of the Work and the conditions of the geographical area within which the Work will be carried out (the 'Work Site'), having viewing the Work Site, if required.

2. HEREBY OFFERS TO:

- a) undertake all Work and supply all materials, tools, equipment and labour necessary to perform the Work in strict accordance with the Bid Proposal Documents, the provisions of this tender (the 'Tender'), and at the rates and prices specified in this Tender, which rates and prices include all fees, expenses of any kind, cash allowances, contingencies and applicable taxes (excluding the GST);
- b) sign a contract for the Work to be provided by the AVCFC (the 'Contract');
- c) complete all Work to the satisfaction of the AVCFC in accordance with the Contract, including any schedules, specifications, maps or drawings, which form part of the Contract.
- d) not assign, trade or sell the contract without the approval of the AVCFC.

3. IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:

- a) This ***Tender is irrevocable for 30 days*** following the tender closing date.

If the Bidder revokes this Tender within 30 days following the tender closing date, or fails to execute the Contract within the time period specified in the Contract award letter:

- i. the AVCFC may pursue any remedy available to it at law or in equity.
- b) if this Tender is accepted, the Bidder will provide the AVCFC with any proof of insurance coverage required in the Contract;
- c) the Bidder will ensure that each member of the workforce who will perform the Work in Canada under the contract is either a Canadian citizen, a permanent resident of Canada, or holds a valid employment visa from the Government of Canada;
- d) any attachments to this Tender, including schedules, information on subcontractors, unit prices, timing of work, drawings and specifications are an integral part of this Tender, as if set out at length in the body of this Tender;
- e) the Bidder hereby certifies that:
 - i. the rates and prices in this Tender have been arrived at independent of any other bidder;
 - ii. the rates and prices in this Tender have not been knowingly disclosed by the Bidder, and will not be disclosed by the Bidder prior to contract award, directly or indirectly, to any other bidder or competitor;
 - iii. no attempt has been made, nor will be made, to induce any other person to submit, or not to submit, a tender, for the purpose of restricting competition; and
 - iv. non-compliance with the requirements of this certification will result in the disqualification of this Tender.

Table 1 – Unit Prices for Items of Work

Item #	Description of Work	Rate/m
1	To harvest approximately 27,920m ³ of Old Growth timber and construct approximately 2013 lineal meters of new road construction to Industry Standard and 890 lineal meters of road reconstruction to Industry Standard.	

Bids must be exclusive of GST.

THIS TENDER has been signed by the Bidder or its duly authorized representatives or officers on the _____ day of _____, 2016

Signature of Bidder or Bidder's Authorized Representative

Print or type name and position of Bidder or Bidders' Authorized Representative.