



**DENNY ISLAND AND SAFETY MOUNTAIN SITE CLEARING  
CANADIAN COAST GUARD (CCG)**

CCG WESTERN REGION MARITIME AND CIVIL INFRASTRUCTURE  
CCG PROJECT REFERENCES: 8B200

Prepared by: AW/BT  
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**SPECIFICATIONS:**

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## **Part 1      General**

### **1.1      WORK COVERED BY CONTRACT DOCUMENTS**

.1      Work of this Contract comprises site clearing for future development at the Canadian Coast Guard (CCG) sites at Denny Island and Safety Mountain, BC. Work includes:

- .1      Clearing of trees;
- .2      Underbrush clearing;
- .3      Grubbing and scrubbing;
- .4      Stockpiling of waste materials; and
- .5      Providing a Timber Waste Assessment report.

### **1.2      PROJECT LOCATION**

.1      The project is split between two locations; Denny Island and Safety Mountain, BC both in the Central Coast area. The site coordinates are approximately 52° 06' 19.2" N - 128° 03' 56.0" W for Denny Island and 51°32'39.3"N - 127°56'56.9"W for Safety Mountain. These locations are remote and accessed by helicopter only. Appendix A and Appendix B show site photos, providing details for each of the existing sites.

### **1.3      SUBMITTALS**

.1      Mandatory submittals and schedule for submission are detailed below. The following identifies general requirements only. The relevant Sections must be consulted for a complete listing of mandatory content. This summary is not an exhaustive list of all submissions required for the duration of the project, as additional submissions may be required after award. All Submissions to be in accordance with Section 01 33 00 – Submittal Procedures.

- .1      Schedule
  - .1      Deadline: 28 days following contract award.
- .2      Construction Plan
  - .1      Deadline: 28 days following contract award.
- .3      Timber Waste Assessments
  - .1      Deadline: 21 days following completion of site works.

### **1.4      CCG RESPONSIBILITIES**

.1      The CCG shall be responsible for the following:

- .1      Obtain and maintain an Occupant Licence to Cut Timber from the British Columbia Ministry of Forests, Lands and Natural Resource Operations.
- .2      Attend a site meeting at the start of construction to review scope of work and provide any clarifications;
- .3      Provide layout for:



- .1 Clearing extents;
  - .2 Underbrush clearing extents;
  - .3 Grubbing and scrubbing extents; and
  - .4 Stockpile locations.
- .4 The CCG may undertake various monitoring functions during the Work. This includes but is not limited to:
- .1 First Nations observers: CCG may retain First Nations observers for the project. They may observe and report on construction activities to the First Nations Community on that which is required. Direct involvement on construction activities is to be limited, except where there is a cultural or archeological concern that arises at a particular site.
  - .2 Environmental monitors: CCG, or its representatives, may monitor construction activities for conformance to the Environmental Protection Plan provided.
  - .3 Construction monitors: CCG may monitor various stages of construction performance for conformance to the contract documents and for final acceptance of Works.

## 1.5 CONSTRAINTS

- .1 It is the responsibility of the Contractor to be familiar with the site locations and identify project constraints as they relate to the scope of work. Among the various constraints includes, but not limited to, the following:
- .1 Weather: Weather on coastal mountains can be unpredictable and subject to sudden changes. High wind, fog, rain and snow can hinder helicopter access and construction progress and pose safety hazards.
  - .2 Remote Working Location: Due to the remoteness of the site, there may be additional challenges with mobilizing materials and equipment, site safety, travel and accommodations, availability of workers and other service providers.
  - .3 Communications: There is no cell coverage or internet service available on site. Other means of communication will need to be planned for such as satellite devices or use of the VHF marine radio network.
  - .4 Site Access: The site is only accessed by helicopter.
  - .5 Site Services: The Work site does not provide any utilities or services for Contractor use.
  - .6 Helipad Use: The Denny Island site has a non-certified elevated timber helipad. The ability to remove power and shut-down a helicopter is not recommended. Use of such is at the Contractor's discretion.

## 1.6 TRAVEL AND ACCOMODATIONS

- .1 Unless stated otherwise, the Contractor is responsible for all travel and accommodation related expenses incurred for the Contractor's representatives as it relates to the Work.



- .2 Any camping on site will be at the discretion of the Contractor and the Contractor will be responsible for preparing and providing adequate safety, meal, and evacuation plans for the Contractor's representatives.

### **1.7 FEES, PERMITS, AND CERTIFICATES**

- .1 Contractor to pay fees, obtain certificates and permits, and provide information to authorities having jurisdiction where required.
  - .1 Contractor to provide copies to CCG of any documentation submitted to other authorities related to the Work.
- .2 Contractor to furnish certificates and permits when requested.

### **1.8 TEMPORARY FACILITIES**

- .1 Sanitary Facilities
  - .1 No washroom facilities are available on construction site. Contractor to provide sanitary facilities for work force in accordance with governing regulations and ordinances.
  - .2 The Contractor shall maintain the sanitary facilities in a satisfactory and sanitary condition at all times and shall enforce their use; and shall rigorously prohibit the committing of nuisances on the site of the Work, on the lands of the CCG, or on adjacent property.
- .2 Water Supply
  - .1 Temporary water supply connection is not available at the site. Contractor to arrange for temporary water supply needed for personal or construction use as required.
- .3 Temporary Power
  - .1 Temporary power supply connection is not available at the site. Contractor to arrange for temporary power supply needed for personal or construction use as required.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not used.

## **Part 3 Execution**

### **3.1 WORK COMPLETION DEADLINES**

- .1 All Work to be completed by March 1, 2020.



### **3.2 HELICOPTER OPERATIONS**

- .1 Helicopters and helicopter cranes used for transportation or external load lifting during construction, maintenance, and demolition activities shall comply with any and all applicable regulations of the Canadian Aviation Regulations (CAR), SOR/96-433 for helicopter external sling load operations.
- .2 Every practical precaution shall be taken to provide for the protection of the employees from flying objects in the rotor downwash. All loose gear, equipment and materials within 100 feet of the load lifting area and setting the load, and all other areas susceptible to rotor downwash, shall be secured or removed.
- .3 Maintain constant, reliable communication between the pilot and a competent rigger. Signal systems between aircrew and ground personal shall be checked and understood in advance of hoisting the load. This applies to either radio or hand signal systems.

### **3.3 COMMUNICATIONS**

- .1 Daily Updates:
  - .1 The Contractor is to provide daily updates to the Technical Authority while construction is in progress. The daily updates are to include:
    - .1 Work completed that day;
    - .2 Planned work activities the next day; and
    - .3 Details of crew on site.
- .2 Site Check-in/out Procedures:
  - .1 In addition to the Daily Updates, upon arrival or departure from site, the Contractor is to contact Prince Rupert Coast Guard Radio on VHF channel 83A (frequency 157.175 MHz) and report on number of people on site and provide any other information as requested by Coast Guard Radio.
- .3 Availability:
  - .1 The Contractor is to be able to be contacted at all times while working on site. Reliable satellite or GPS services are to be employed by the Contractor to allow the Technical Authority to make contact at any time.

### **3.4 USE OF SITE**

- .1 The Contractor is to ensure that the site is left in the same state or better than it was found at the start of Work and all waste or excess materials have been removed.

**END OF SECTION**



## **Part 1      General**

### **1.1      ADMINISTRATIVE**

- .1      Submit to Canadian Coast Guard (CCG) submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.
- .2      Do not proceed with Work affected by submittal until review is complete.
- .3      Present drawings, product data, samples and mock-ups in SI Metric units.
- .4      Where items or information is not produced in SI Metric units converted values are acceptable.
- .5      Review submittals prior to submission to CCG. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and co-ordinated with requirements of Work and Contract Documents.
- .6      Notify CCG, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- .7      Contractor's responsibility for errors and omissions in submission is not relieved by CCG's review of submittals.
- .8      Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by CCG's review, unless CCG gives written acceptance of specific deviations.
- .9      All submissions include:
  - .1      Date and revision dates.
  - .2      Project title and number.
  - .3      Name and address of:
    - .1      Subcontractor.
    - .2      Supplier.
    - .3      Manufacturer.
- .10     Unless noted otherwise, submittals in electronic format are required.

### **1.2      SCHEDULE**

- .1      Submit a detailed Project Schedule for planning, monitoring and reporting of project progress and to allow orderly planning, organizing, and executing of Work.
- .2      Allow five working days, or as otherwise stipulated in the specifications, for CCG to review submission.
- .3      Submission format to include a Bar Chart (GANNT).



- .4 Accepted Schedule will be used as baseline for progress and updates.
- .5 Project Milestones form targets for Project Schedule. Milestones for each location include:
  - .1 Completion of Clearing of Trees;
  - .2 Completion of Grubbing; and
  - .3 Final Completion of all Work.
- .6 Submission to include as a minimum:
  - .1 Contract award;
  - .2 Permits;
  - .3 Dates of submittals;
  - .4 Project Milestone completion dates; and
  - .5 Detailed description of the Work Plan for each location including:
    - .1 Mobilizations of equipment, crews, and materials;
    - .2 Site Work activities; and
    - .3 Site clean-up and demobilizations.
- .7 Update Schedule on a weekly basis reflecting activity changes and completions, activities in progress, comparing current progress to baseline, and presenting forecasts.

### 1.3 CONSTRUCTION PLAN

- .1 Submit a Construction Plan to be of sufficient detail to demonstrate that the challenges of the project have been considered and preparations have been made to undertake the Work in a competent and professional manner.
- .2 Allow five working days, or as otherwise stipulated in the specifications, for CCG to review of each submission.
- .3 Submission to include:
  - .1 List of Sub-Contractors and suppliers;
  - .2 Prime Contractor/co-ordination with other Contractors Plan;
  - .3 Contractor Chain of Command including Sub-Contractors and Departmental Representatives;
  - .4 Work Plan for all items for each location including:
    - .1 Mobilization;
    - .2 Material Delivery;
    - .3 Staging Areas;
    - .4 Accommodations Plan;
    - .5 Project Milestone Activities;
    - .6 Interim Inspections; and
    - .7 Site Clean-up and Demobilizations.;
  - .5 Health and Safety Plan (Section 01 35 30);





- .6 Environmental Protection Plan (Section 01 35 43); and
- .7 Clearing and Grubbing Plan (Section 31 11 00);
- .4 The Construction Plan can be submitted in parts.

#### **1.4 TIMBER WASTE ASSESSMENT**

- .1 Submit Timber Waste Assessment for each location following completion of Work.
- .2 Submission to be in accordance with the current Provincial Logging Residue and Waste Measurements Procedures Manual produced by the British Columbia Ministry of Forests, Lands and Natural Resource Operations.
- .3 Allow five working days, or as otherwise stipulated in the specifications, for CCG to review each submission.
- .4 Submissions to include:
  - .1 The volume of timber that was cut but not harvested from the site.
  - .2 Photographs showing the completion of Work.

#### **Part 2 Products**

##### **2.1 NOT USED**

- .1 Not used.

#### **Part 3 Execution**

##### **3.1 NOT USED**

- .1 Not used.

**END OF SECTION**



## **Part 1      General**

### **1.1      REFERENCE STANDARDS**

- .1      Work under this section to comply with all listed references. In the case of conflict or discrepancy, the more stringent shall apply:
  - .1      Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
  - .2      British Columbia Workers Compensation Act, Occupational Health and Safety Regulation B.C. Reg. 296/97.

### **1.2      ACTION AND INFORMATIONAL SUBMITTALS**

- .1      Submit a site-specific Health and Safety Plan in accordance with Section 01 33 00.
- .2      Submit Health and Safety plan as part of the Construction Plan. Submission to include:
  - .1      Results of a site-specific safety hazard assessment for each location.
  - .2      Listing of all activities specific to the project and their Health and Safety risks or hazards.
  - .3      Detailed descriptions of how the activities are to be carried out as well as methods for mitigating hazards and risks.
  - .4      Listing of personnel responsible for Health and Safety measures, and Emergency procedures.
  - .5      Proof of adequate first aid training on site and details of first aid kits.
  - .6      Detailed description of an emergency evacuation procedure of an injured worker, to include a contingency if the site is inaccessible by helicopter due to weather.
- .3      CCG's review of Contractor's Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.

### **1.3      GENERAL REQUIREMENTS**

- .1      Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site. Health and Safety Plan must address project specifications.
- .2      CCG may respond in writing, where deficiencies or concerns are noted and may request re-submission with correction of deficiencies or concerns.



#### **1.4 RESPONSIBILITY**

- .1 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .2 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

#### **1.5 UNFORSEEN HAZARDS**

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise CCG verbally and in writing.

#### **1.6 HEALTH AND SAFETY CO-ORDINATOR**

- .1 Employ and assign to Work, competent and authorized representative as Health and Safety Co-ordinator. Health and Safety Co-ordinator must:
  - .1 Have site-related working experience specific to activities of the Work.
  - .2 Have working knowledge of occupational safety and health regulations.
  - .3 Be responsible for completing Contractor's Health and Safety Training Sessions and ensuring that personnel not successfully completing required training are not permitted to enter site to perform Work.
  - .4 Be responsible for implementing, enforcing daily and monitoring site-specific Contractor's Health and Safety Plan.
  - .5 Be on site during execution of Work.

#### **1.7 CORRECTION OF NON-COMPLIANCE**

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by CCG.
- .2 CCG may stop Work if non-compliance of health and safety regulations is not corrected.

#### **1.8 PRIORITY OF HEALTH AND SAFETY**

- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for Work.

#### **1.9 NOTIFICATION**

- .1 CCG may notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal health and safety laws or regulations, permits, and other elements of Contractor's Health and Safety Plan.
- .2 Contractor: after receipt of such notice, inform CCG of proposed corrective action and take such action for approval by CCG.



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- .3 CCG will issue stop order of work until satisfactory corrective action has been taken.
  - .4 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

**Part 2 Products**

**2.1 NOT USED**

**Part 3 Execution**

**3.1 NOT USED**

**END OF SECTION**



## **Part 1      General**

### **1.1      REFERENCE STANDARDS**

- .1 Canadian Environmental Protection Act (CEPA)
- .2 Canadian Environmental Assessment Act, 2012 (CEAA)

### **1.2      DEFINITIONS**

- .1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humans; or degrade environment aesthetically, culturally and/or historically.
- .2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction.

### **1.3      ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit Environmental Protection Plan before commencing construction activities or delivery of materials to site for each location.
- .3 Environmental Protection Plan must include comprehensive overview of known or potential environmental issues to be addressed during construction.
- .4 Address topics at level of detail commensurate with environmental issue and required construction tasks.
- .5 Submit Environmental Protection Plan as part of the Construction Plan.  
Submission to include:
  - .1 Name of person responsible for ensuring adherence to Environmental Protection Plan.
  - .2 Name and qualifications of person responsible for manifesting hazardous waste to be removed from site.
  - .3 Name and qualifications of person responsible for training site personnel.
  - .4 Drawings indicating locations of proposed temporary excavations or embankments for material storage areas, structures, sanitary facilities, and stockpiles of excess or spoil materials including methods to control runoff and to contain materials on site.
  - .5 Work area plan showing proposed activity in each portion of area and identifying areas of limited use or non-use.
    - .1 Plan to include measures for marking limits of use areas and methods for protection of features to be preserved within authorized work areas. Plan to indicate staging, refueling, and cleaning areas.



- .6 Spill Control Plan to include procedures, instructions, and reports to be used in event of unforeseen spill of regulated substance.
- .7 Non-Hazardous solid waste disposal plan identifying methods and locations for solid waste disposal including clearing debris.
- .8 Contaminant Prevention Plan identifying potentially hazardous substances to be used on job site; intended actions to prevent introduction of such materials into air, water, or ground; and detailing provisions for compliance with Federal, Provincial, and Municipal laws and regulations for storage and handling of these materials.
- .9 Waste Water Management Plan identifying methods and procedures for management and discharge of waste waters which are directly derived from construction activities, such as concrete curing water, clean-up water, dewatering of ground water, disinfection water, hydrostatic test water, and water used in flushing of lines.
- .10 Historical, archaeological, cultural resources biological resources and wetlands plan that defines procedures for identifying and protecting historical, archaeological, cultural resources, biological resources and wetlands.
- .11 Equipment to be used on site identifying age and spill containment procedures.

#### **1.4 FIRES**

- .1 Fires and burning of rubbish on site is not permitted.

#### **1.5 DRAINAGE**

- .1 Provide temporary drainage and pumping required to keep excavations and site free from water.
- .2 Ensure pumped water into waterways is free of suspended materials.
- .3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

#### **1.6 SITE CLEARING AND PLANT PROTECTION**

- .1 Protect trees and plants on site and adjacent properties as indicated.
- .2 Only clear vegetation that interferes with construction.
- .3 Minimize stripping of topsoil and vegetation to areas designated by CCG.
- .4 Restrict tree removal to areas designated by CCG.

#### **1.7 POLLUTION CONTROL**

- .1 Maintain temporary erosion and pollution control features installed under this Contract.



- .2 Provide methods, means, and facilities to prevent the contamination of soil, water, and atmosphere from the discharge of pollutants produced by construction operations.
- .3 Vehicles, machinery, and equipment shall be in good repair, equipped with emission controls as applicable and operated within regulatory requirements.
- .4 Avoid unnecessary idling of vehicles or heavy machinery.
- .5 Cover or wet down dry materials and rubbish to prevent blowing dust and debris.

## **1.8 NOTIFICATION**

- .1 CCG may notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan.
- .2 Contractor: after receipt of such notice, inform CCG of proposed corrective action and take such action for approval by CCG.
- .3 CCG will issue stop order of work until satisfactory corrective action has been taken.
- .4 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not Used.

## **Part 3 Execution**

### **3.1 CLEANING**

- .1 Progress Cleaning: Leave Work area clean at end of each day.
- .2 Do not bury rubbish and waste materials on site.
- .3 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment.
- .4 Waste Management: separate waste materials for recycling or reuse from materials for disposal.
  - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

**END OF SECTION**



**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 31 11 00 – Clearing and Grubbing

**1.2 INSPECTION**

- .1 Allow Canadian Coast Guard (CCG) access to Work. If part of Work is in preparation at locations other than Project Location, allow access to such Work whenever it is in progress.
- .2 The below list identifies key milestones where CCG will require an opportunity to review Work at each location. Such inspections are to satisfy CCG's internal requirements.
  - .1 Completion of Tree Clearing;
  - .2 Completion of Grubbing; and
  - .3 Final Completion of Site Works.
- .3 Give a minimum of 120 hours notice for inspections of all key milestones listed above. The Contractor will be responsible for any delays in work if the required notice was not provided as specified.
- .4 If Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have inspections or tests satisfactorily completed and make good such Work.
- .5 CCG will order part of Work to be examined if Work is suspected to be not in accordance with Contract Documents. If, upon examination such work is found not in accordance with Contract Documents, correct such Work and pay cost of examination and correction. If such Work is found in accordance with Contract Documents, CCG shall pay cost of examination and replacement.

**1.3 REJECTED WORK**

- .1 Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by CCG as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract Documents.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not used.





**Part 3      Execution**

**3.1          NOT USED**

.1      Not used.

**END OF SECTION**



## **Part 1        General**

### **1.1            REFERENCE STANDARDS**

- .1        Forest Act
- .2        Forest and Range Practices Act
- .3        Wildfire Act
- .4        Weed Control Act

### **1.2            DEFINITIONS**

- .1        Clearing consists of cutting of trees, snags, brush, and vegetative growth to not more than 300 mm height above ground.
- .2        Underbrush clearing consists of cutting and removal of undergrowth, deadwood, and trees smaller than 50 mm trunk diameter and removal of fallen timber and surface debris. All vegetation is removed to ground surface.
- .3        Grubbing consists of excavation and disposal of stumps, roots, boulders, and rock fragments to depth of bedrock.
- .4        Scrubbing consists of excavation and removal of soils to depth of bedrock.

### **1.3            ACTION AND INFORMATIONAL SUBMITTALS**

- .1        Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2        Submit Clearing and Grubbing Plan as part of the Construction Plan for each location. Submission to include:
  - .1        List of equipment to be used to perform the Work.
  - .2        Description of how Work will be performed.
- .3        Submit Timber Waste Assessment Report for each location.

### **1.4            QUALITY ASSURANCE**

- .1        Quality Assurance: in accordance with Section 01 45 00 – Quality Control.

### **1.5            STORAGE AND PROTECTION**

- .1        Prevent damage to: natural features, root systems of trees, trees, and water courses which are to remain.
  - .1        Repair damaged items to approval of CCG Representative.

## **Part 2        Products**

### **2.1            NOT USED**

- .1        Not Used.



## **Part 3**

### **Execution**

#### **3.1**

##### **PREPARATION**

- .1 Inspect site and verify with CCG Representative the Extents of Work.
- .2 Reduce the probability of introducing noxious weeds to the site by cleaning equipment of vegetation debris and soil prior to transport to the site.

#### **3.2**

##### **CLEARING**

- .1 Clear as indicated by cutting at height of not more than 300mm above ground. In areas to be subsequently grubbed, height of stumps left from clearing operations to be not more than 1000mm above ground surface.
- .2 Ensure that cut trees are not left leaning or suspended against other trees, unless unsafe to remedy.
- .3 Fell trees away from all classified and non-classified drainages, lakes and or swamps.
- .4 Do not leave felled woody debris within the high water mark of any stream.
- .5 For all trees >200mm dbh: limb and buck to lengths no longer than five meters and left on the ground. Limbs are to be scattered so as not to create a fire hazard.

#### **3.3**

##### **UNDERBRUSH CLEARING**

- .1 Clear and remove underbrush from indicated areas.
- .2 Scatter removed underbrush to adjacent areas.

#### **3.4**

##### **GRUBBING**

- .1 Remove and dispose of roots and stumps from indicated grubbing areas.
- .2 Grub out rock fragments and boulders.
- .3 Stockpile removed grubbing to indicated areas.

#### **3.5**

##### **SCRUBBING**

- .1 Excavate and remove all soils from indicated scrubbing areas.
- .2 Provide a 1:1 slope for all excavations.
- .3 Stockpile removed soils to indicated areas.
- .4 Scrubbed areas are to be fully clear of all soil.

#### **3.6**

##### **WASTE ASSESSMENT**

- .1 Determine the quantity and quality of merchantable timber cleared as a result of the work at each location.

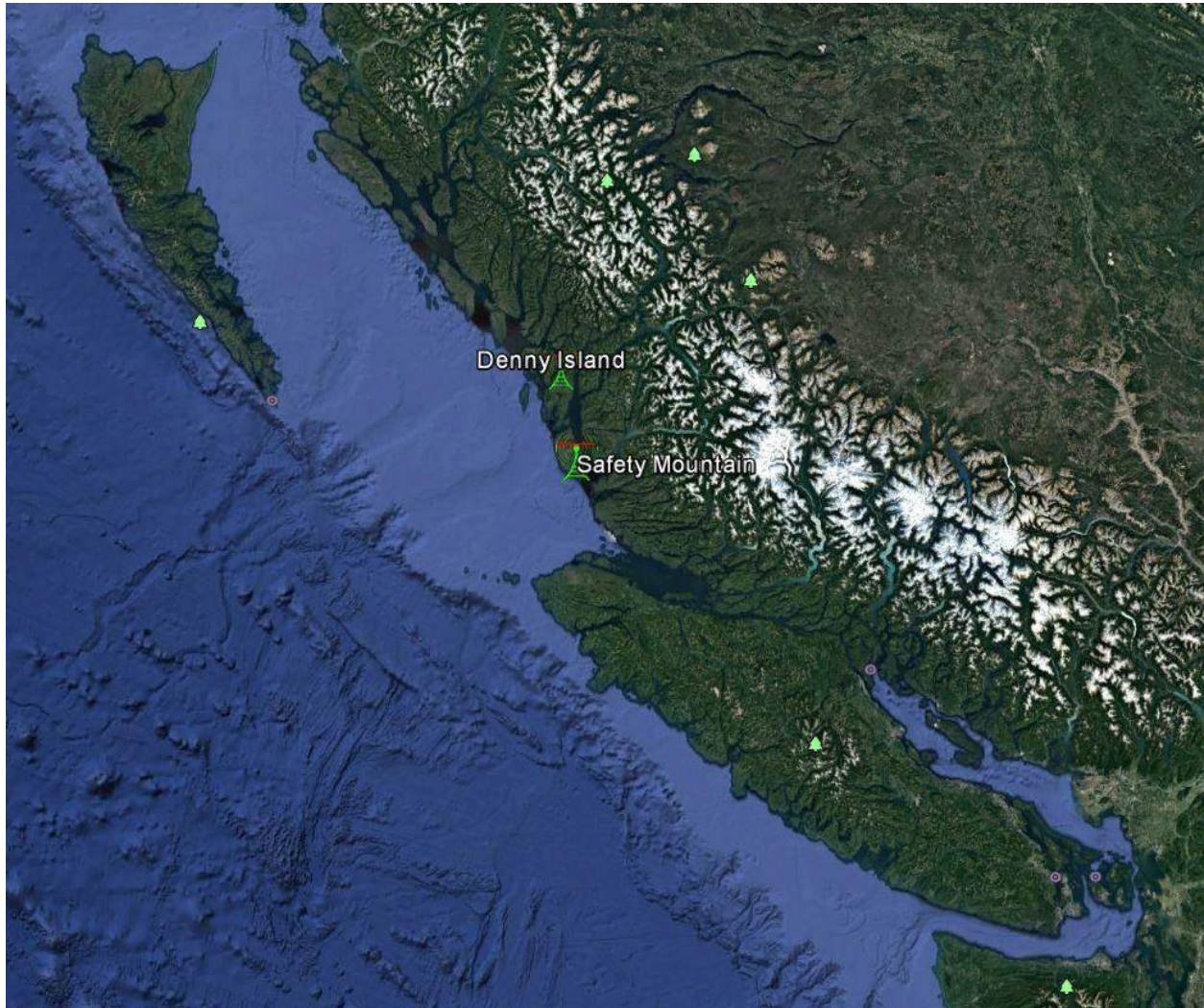


- .2 Conduct the assessment in accordance with the current Provincial Logging Residue and Waste Measurements Procedures Manual and submit a report for each location.

### **3.7 CLEANING**

- .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, flagging tape, tools and equipment.

**END OF SECTION**



*Photo 1 - Project Location*



*Photo 2 - Denny Site Location*



*Photo 3 - Aerial View of Denny Site*

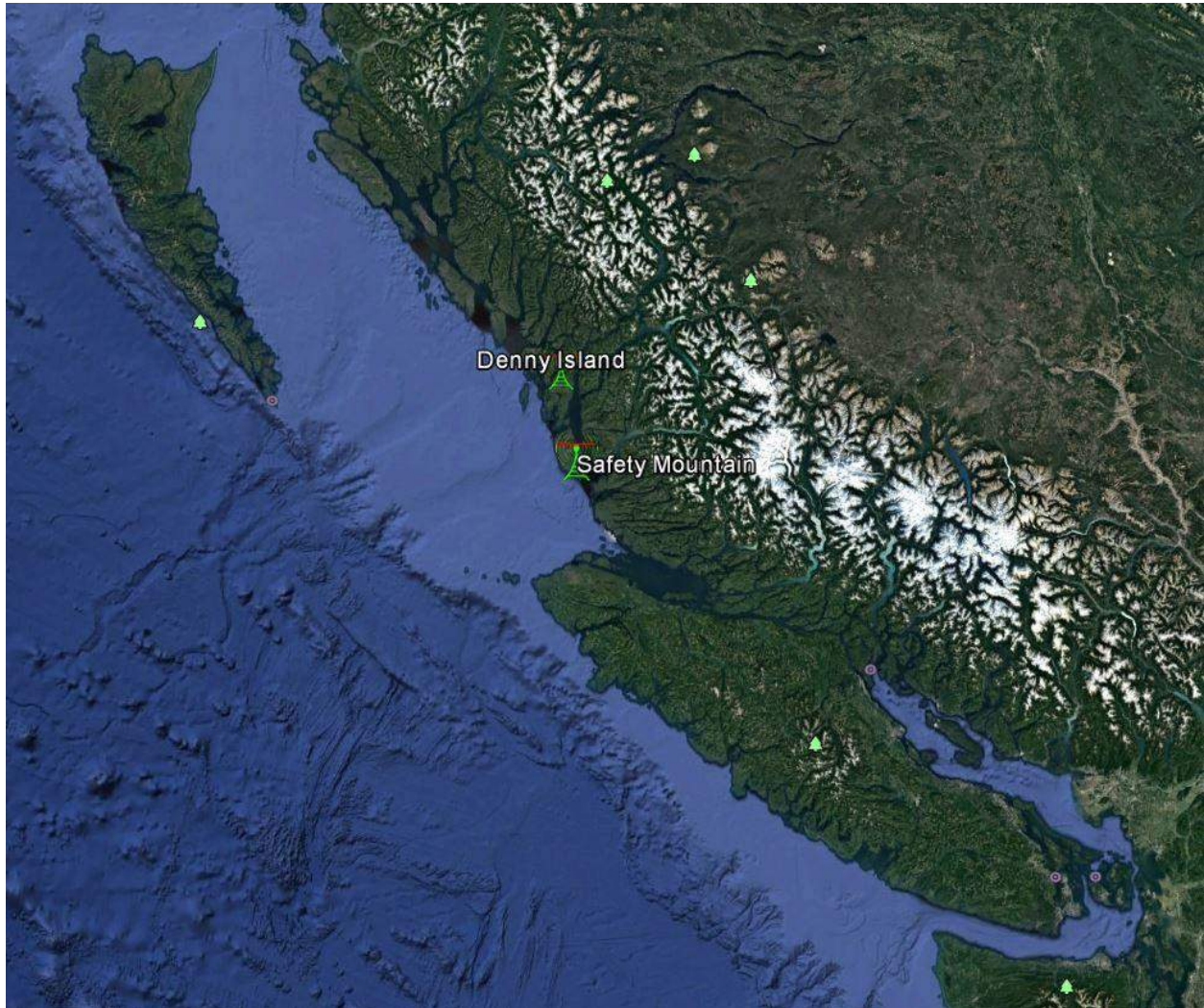


*Photo 4 - Denny Site Grubbing and Scrubbing Area*



*Photo 5 - Denny Site with Clearing Flagging*





*Photo 1 - Project Location*



*Photo 2 – Safety Mountain Site Location*



*Photo 3 - Aerial View of Safety Mountain Site*



*Photo 4 – Safety Mountain Site*



*Photo 5 – Winter Snowpack at Safety Mountain*