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Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada  
Pacific Region  
401 - 1230 Government Street  
Victoria, B.C.  
V8W 3X4  
Bid Fax: (250) 363-3344

**LETTER OF INTEREST**  
**LETTRE D'INTÉRÊT**

Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution  
Public Works and Government Services Canada - Pacific  
Region  
401 - 1230 Government Street  
Victoria, B. C.  
V8W 3X4

<b>Title - Sujet</b> Mass Notification System	
<b>Solicitation No. - N° de l'invitation</b> W0103-136592/A	<b>Date</b> 2012-10-03
<b>Client Reference No. - N° de référence du client</b> W0103-136592	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$VIC-242-6052
<b>File No. - N° de dossier</b> VIC-2-35141 (242)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-10-25</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Szczesniak, Michal	<b>Buyer Id - Id de l'acheteur</b> vic242
<b>Telephone No. - N° de téléphone</b> (250) 363-8312 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> See Herein	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## LETTER OF INTEREST

### 1. Purpose

The intent of this Letter Of Interest (LOI) is to solicit market information on product availability of system(s) to meet the preliminary set of requirements as identified in Annex A as well as to determine industry interest in submitting a bid proposal.

Vendors are requested to submit information which would demonstrate how their solution might meet or exceed requirements as detailed herein.

Note that at this time, there is no firm requirement for procurement. A subsequent solicitation will be issued once a requirement for procurement has been finalized.

### 2. Requirement

The preliminary set of requirements is detailed in Annex A.

### 3. Security

There is no security requirement associated with the LOI.

### 4. Deliverables

Prior to finalizing its requirements, the Department of National Defence (DND) would like to determine what possible solutions exist that meet their needs for a mass notification system.

#### 4.1 Respondents are requested to:

- a) Assess and comment on the adequacy and clarity of the preliminary requirements as currently expressed in Annex A by providing detailed responses to each requirement (Note: Replies solely referring to marketing material will not be particularly useful in this regard);
- b) Confirm that the requirements are achievable;
- c) Advise if meeting the requirements will be accomplished with common Commercial Off-The-Shelf products or custom-built products;

- d) Provide details of any prior sales and installation contracts of a similar size and scope;
  - e) Provide information on any applicable industry standards, certifications, and measurements;
  - f) Provide information on their technical support service standards and procedures;
  - g) Provide information on their installation service standards and procedures; and
  - h) Provide rough cost and time estimates for the delivery of a solution based on the Respondent supplying:
    - i) All goods, installation, and activation services; and
    - ii) All goods, installation, activation, maintenance, and support services,  
necessary to meet the preliminary requirements in Annex A.
- 4.2 Specific details of information sought are provided in Annex A.  
The concepts and requirements presented in this document are not final.
- 4.3 Respondents are encouraged to comment on the feasibility as well as propose alternate approaches / solutions to meeting some or all of the preliminary requirements.

## **5. Additional Information Requests**

After reviewing all of the submitted responses, additional information may be requested from individual Respondents by the Procurement Authority.

## **6. Notes to Interested Vendors**

- 6.1. This LOI does not constitute a commitment by Canada. This LOI is neither a call for tender nor a Request For Proposal (RFP), and no agreement or contract for the procurement of the requirements identified in this LOI will be entered into solely as a result of this LOI. Canada does not intend to award a contract on the basis of this LOI or otherwise pay for the information solicited. Any and all expenses incurred by the Respondent in pursuing this opportunity, including the

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provision of information and potential visits, are at the Respondent's sole risk and expense.

- 6.2 Any discussions on this requirement with project staff representing Public Works and Government Services Canada (PWGSC), DND or any other Government of Canada representative, or other personnel involved in project activities, must not be construed as an offer to purchase or as commitment by DND, PWGSC or the Government of Canada as a whole.
- 6.3 Although the documents / information / data collected may be provided as commercial-in-confidence and will not be provided to a third party outside of the Government of Canada, Canada reserves the right to use the information to assist in the drafting of specifications, budgets, and timelines. Requirements are subject to change, which may be as a result of information provided in response to this LOI. Vendors are advised that any information submitted to Canada in response to this LOI may, or may not, be used by Canada in the development of any potential subsequent RFP. The issuance of this LOI does not create an obligation for Canada to issue a subsequent solicitation for the procurement of the requirement identified in this LOI, and does not bind Canada legally or otherwise, to enter into any agreement or to accept or reject any suggestions.
- 6.4. There will be no short-listing of vendors for the purposes of undertaking any future work as a result of this LOI. Similarly, participation in the LOI is not a condition or prerequisite for the participation to any subsequent solicitation.
- 6.5 Respondents should identify any submitted information that is to be considered as either company confidential, proprietary or if the response contains controlled good.

## **7. Enquiries**

All enquiries and other communications related to this LOI must be directed exclusively to the Procurement Authority. All enquiries must be submitted to the Procurement Authority no later than seven (7) calendar days before the closing date. Enquiries received after that time may not be answered.

Care should be taken by vendors to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determined that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the vendor do so, so that the proprietary nature of the question is

eliminated, and the enquiry can be answered with copies to all vendors. Enquiries not submitted in a form that can be distributed to all vendors may not be answered by Canada.

Changes to the LOI may occur and will be posted on the Government Electronic Tendering Service (MERX). It is each interested party's responsibility to verify changes, if any, on MERX.

## **8. Closing Date**

Responses to this LOI must be submitted to the Public Works and Government Services Bid Receiving Unit by the date, time and placed indicated on Page 1 of this document.

Responses should clearly identify the solicitation number on the cover page of the information package.

## **9. Procurement Authority**

Michal Szczesniak  
Supply Specialist  
Public Works and Government Services Canada  
Acquisitions, Victoria  
1230 Government Street, Suite 401  
Victoria, BC V8W 3X4 Canada

Telephone: 1.250.363.8312  
E-mail address: [michal.szczesniak@pwgsc-tpsgc.gc.ca](mailto:michal.szczesniak@pwgsc-tpsgc.gc.ca)

## **Annex A - Preliminary Requirements for a Mass Notification System**

### **1. OVERVIEW**

The Department of National Defence (DND) is considering the implementation of a mass notification system to broadcast intelligible voice messages and tone alerts outdoors at several designated sites within tsunami inundation zones in British Columbia, Canada.

The purpose of mass notification is to protect life by indicating the existence of an emergency situation and instructing people of the necessary and appropriate response and action.

The preliminary requirements for the mass notification system are outlined below:

### **2. MANDATORY REQUIREMENTS**

#### **2.1 AUDIO**

- (A) The system must be equipped to store and broadcast system default voice messages and tone alerts.
- (B) The system must be equipped to store and broadcast a minimum of twenty (20) pre-recorded voice messages (created by the end-user) that are each up to sixty (60) seconds in duration.
- (C) The system must be equipped to store and broadcast a minimum of twenty (20) pre-recorded tone alerts (created by the end-user) that are each up to thirty (30) seconds in duration.
- (D) The system must be installed and equipped to broadcast all tone alerts so that the alerts are audible (minimum 85 decibels) anywhere outdoors within the boundaries of the designated sites identified in Article 4.
- (E) System sound levels anywhere within the boundaries of the designated sites must not exceed 105 decibels.
- (F) The system must be installed and equipped to broadcast all voice messages so that the intelligibility of voice messages is not less than 0.7 on the Common Intelligibility Scale (CIS) or not less than 0.5 on the Speech Transmission Index

(STI) measured anywhere outdoors within the boundaries of the designated sites identified in Article 4. Commercially available test instrumentation should be used to measure intelligibility using the CIS as specified by International Electrotechnical Commission (IEC) 60849 and IEC 60268-16. The mean value of at least three readings is required to evaluate the intelligibility score at each test location.

- (G) The system must be equipped to permit the broadcast of messages and alerts to only specified zones within the site in addition to the entire site.
- (H) The system must be equipped to broadcast at least two (2) essentially concurrent voice messages and tone alerts (one for threatened zones and one for adjacent zones). This includes the capability for two (2) pre-recorded voice messages or tone alerts, or one voice message and one tone alert.
- (I) The system must have a secure method for easily creating or modifying recorded voice messages and tone alerts.
- (J) The system must be equipped to accept and play an auxiliary input from a digital recording device such as a Compact Disc (CD) player or MP3 player.
- (K) The system must be equipped to provide the option of automatically repeating a pre-recorded voice messages or tone alert until the notification is deactivated.

## **2.2 ACCESSIBILITY**

- (A) The system must be designed to provide full on-site access and message/alert issuance to authorized personnel only.
- (B) The system must be designed to provide full remote access and message/alert issuance to authorized personnel only.
- (C) The system must have a manual override that only enables on-site alert issuance and on-site alert cancellation.
- (D) The system must be capable of being operated as a closed system to limit risks associated with tampering or hacking that would compromise the integrity and trust in the system or compromise control of it.

## **2.3 ROBUSTNESS**

- (A) The system must be equipped to withstand a seismic event of Magnitude 9.0 on the Richter Magnitude Scale and remain completely operational to broadcast early warnings of subsequent events (such as a tsunami).
- (B) The system must be designed so that there is no single point of failure that would stop the entire system from meeting all mandatory requirements identified in this Annex.
- (C) Outdoor system components must be able to operate in a high humidity, marine environment with a west coast temperate climate.
- (D) Outdoor system components must be designed to withstand and maintain full functionality in winds not less than 170 kilometres per hour (km/h).
- (E) The system must have redundancy to enable its automatic operation without any reliance of commercial infrastructure for a minimum of 168 consecutive hours (one week). Examples of redundancy could be a battery/generator system using solar power or other fuel reservoir options.

## **2.4 EXPANDABILITY**

- (A) The system must be modular in design and capable of expanding to include additional geographic sites that are not necessarily adjacent to existing sites.

## **2.5 PROVEN TECHNOLOGY**

- (A) The proposed system (or its version predecessor) must be proven technology that has been demonstrated to be fully operational on a similar scale to this requirement. Theoretical designs will not be considered.

## **2.6 MAINTENANCE**

- (A) The system must have the ability to run automated and scheduled self-diagnostic tests to verify system functionality and alert the end-user of any issues in the end-to-end system.



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- (B) The system must have the ability to diagnose and troubleshoot system-related issues from end-to-end and provide feedback to maintenance staff for follow-up.

## **2.7 DOCUMENTATION**

- (A) The Contractor must supply a complete set of schematic diagrams of the installed system in both hard and soft copy versions in English.
- (B) The Contractor must supply both hard and soft copy versions of the complete set of operational, maintenance, and service manuals in English with the supplied system. The manuals must cover all equipment, accessories, controls, software, and components included with the system.

## **2.8 TRAINING**

- (A) The Contractor must provide separate on-site training sessions on the complete operation, maintenance, and servicing of the equipment after delivery and final installation / assembly. Each training session will involve up to ten (10) students and must be conducted in English.
- (B) The Contractor must provide complete training documentation in English to all students and three (3) additional copies to the Project Authority.
- (C) The Contractor must provide to the Project Authority a minimum of three (3) sets of complete training documentation (in English) that covers "Train the Trainer" training material for system maintenance and operation so that students can proceed to train other personnel at a later date.
- (D) The training must be scheduled in coordination and agreement with the Project Authority after contract award.
- (E) Training material is considered Intellectual Property of DND on completion of contracted coursing provided.

## **2.9 TECHNICAL SUPPORT**

- (A) For a period of one (1) year after the date of acceptance, the Contractor must provide telephone and e-mail technical support, on an if, when, and required basis, to troubleshoot and assist with all aspects of the repair and maintenance

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of the system within twenty-four (24) hours of the request. The Contractor must provide the contact details of its technical support services to the Project Authority on the date of acceptance.

- (B) As part of its support tasks, the Contractor must be able to analyze the system status, identify and diagnose problems, and upon the request of the end-user, provide written action plans that:
- (i) Identify the issue;
  - (ii) Itemize and prioritize the work and materials required to resolve the issue;
  - (iii) Identify the steps to resolve the issue; and
  - (iv) Provide the anticipated timeline that will be required to resolve the issue.
- (C) The Contractor must provide, as a minimum, the following:
- (i) A trained technical support representative available by telephone and e-mail (Monday to Friday, 08:00 to 16:00 in the Pacific Time Zone); and
  - (ii) Support for planned events during core and non-core operating hours when advance notice and schedule planning is provided by the end-user.

### **3. DESIRABLE FEATURES**

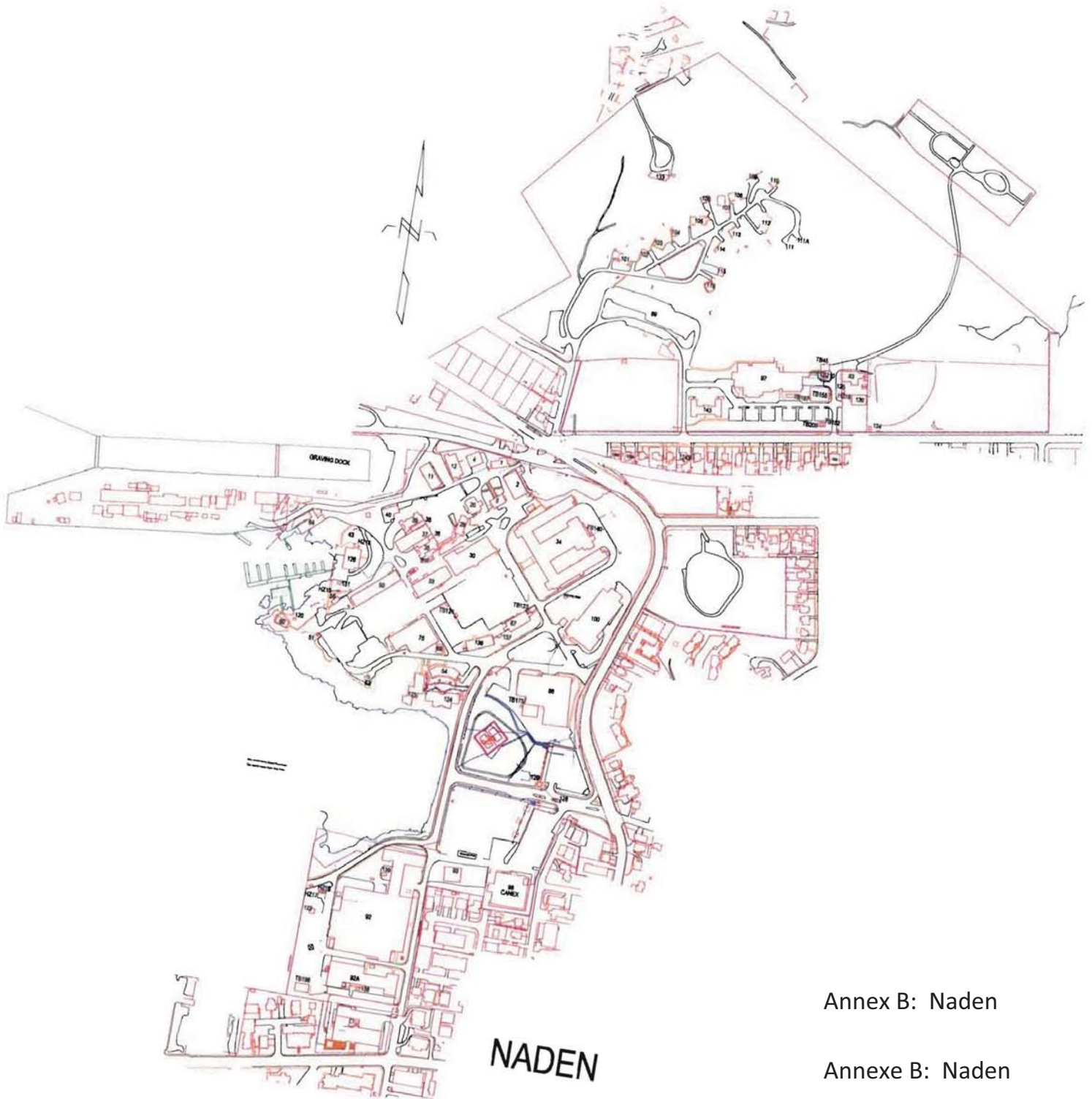
- (A) The system should be equipped to broadcast live voice messages as they are inputted by the end-user.
- (B) The system should be integrated with an existing indoor public address system (VISIPLEX Alert Wave VNS5100 which is installed in a high priority building) to broadcast messages and/or alerts within this building.

### **4. DESIGNATED SITES**

- (A) The following CFB Esquimalt locations near Victoria, British Columbia, Canada are the designated sites:
- (i) Naden (approximate area: 0.50 square kilometers);
  - (ii) Dockyard (approximate area: 0.63 square kilometres);
  - (iii) Colwood and Private Military Quarters (PMQs) (approximate area: 0.60 square kilometres); and
  - (iv) Workpoint and PMQs (approximate area: 0.70 square kilometres).
- (B) Refer to Annexes B to E for site boundaries.

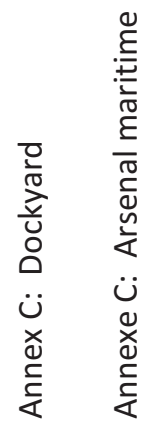
## 5. OPTIONAL SITES

- (A) The following sites are being considered for future system expansion:
- (i) ROCKY POINT AMMO DEPOT and PMQs (approximate area: 11.6 square kilometers);
  - (ii) ALBERT HEAD (approximate area: 0.94 square kilometers);
  - (iii) CFMETR at Nanoose Bay (approximate area: 2.7 square kilometers);
  - (iv) 443 Sqn at Patricia Bay (Victoria International Airport) (approximate area: 0.70 square kilometers).
- (B) Refer to Annexes F to I for site boundaries.

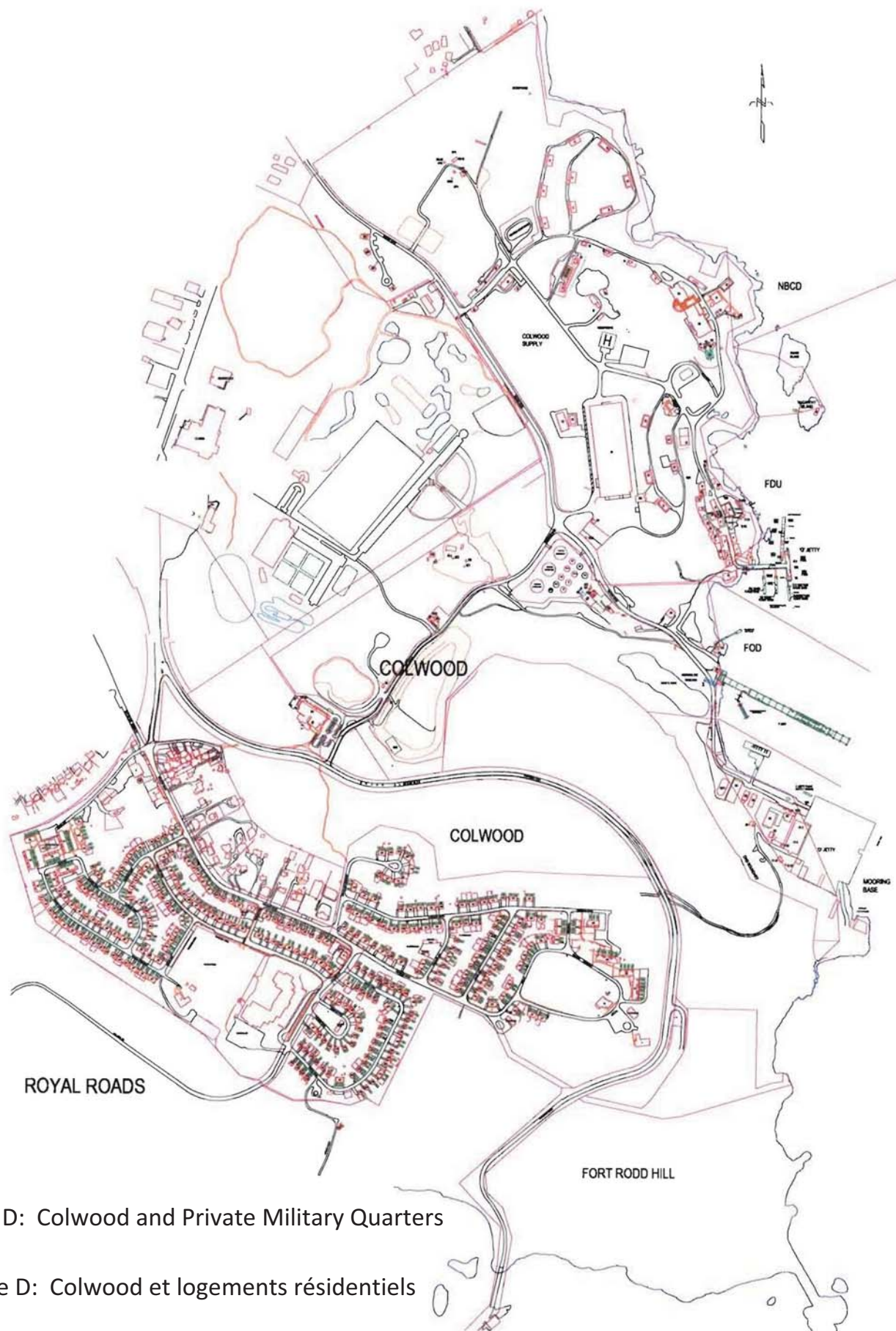


Annex B: Naden

Annexe B: Naden







Annex D: Colwood and Private Military Quarters

Annexe D: Colwood et logements résidentiels

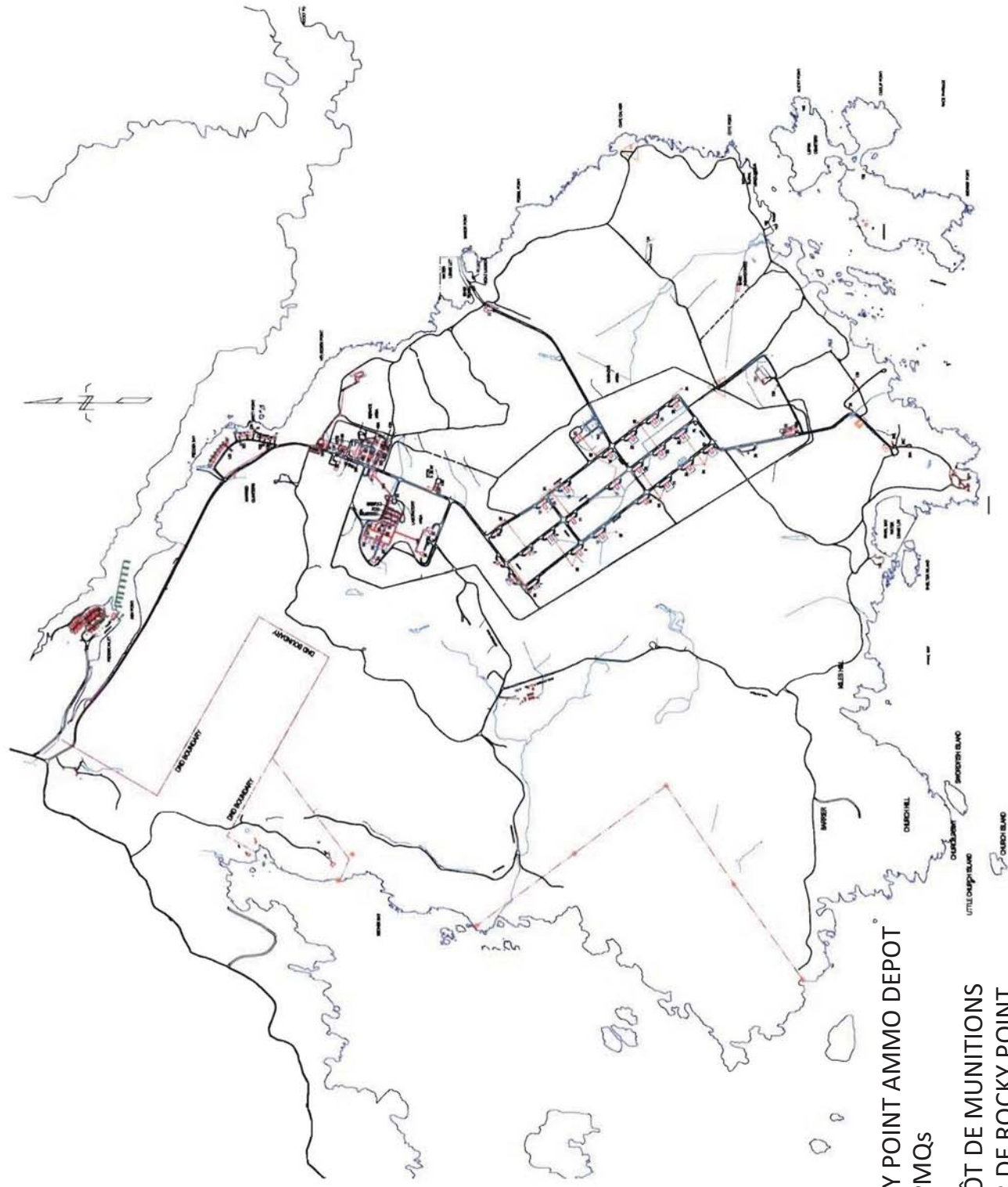


Annex E: Workpoint and PMQs

Annexe E: Workpoint et LR

WORK POINT



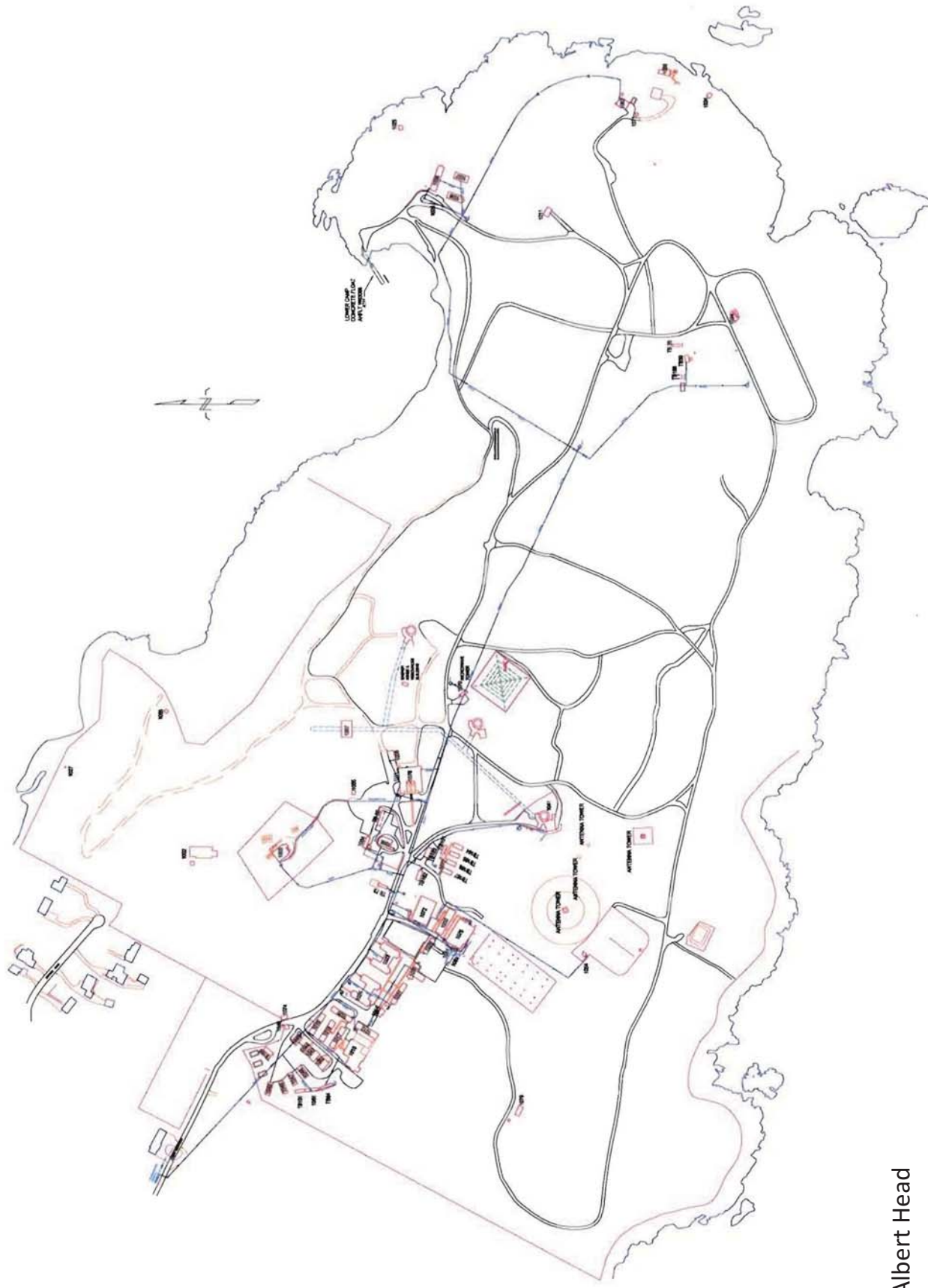


Annex F: ROCKY POINT AMMO DEPOT  
and PMQs

Annexe F: DÉPÔT DE MUNITIONS  
et LR DE ROCKY POINT

ROCKY POINT

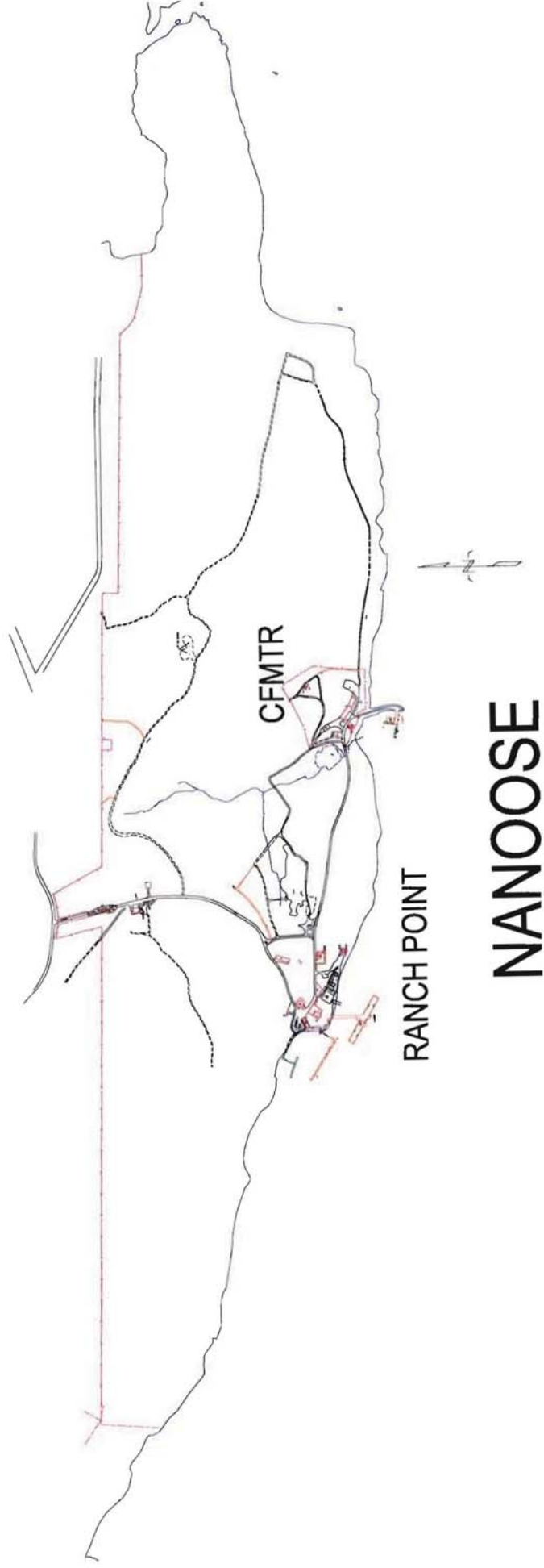




Annex G: Albert Head

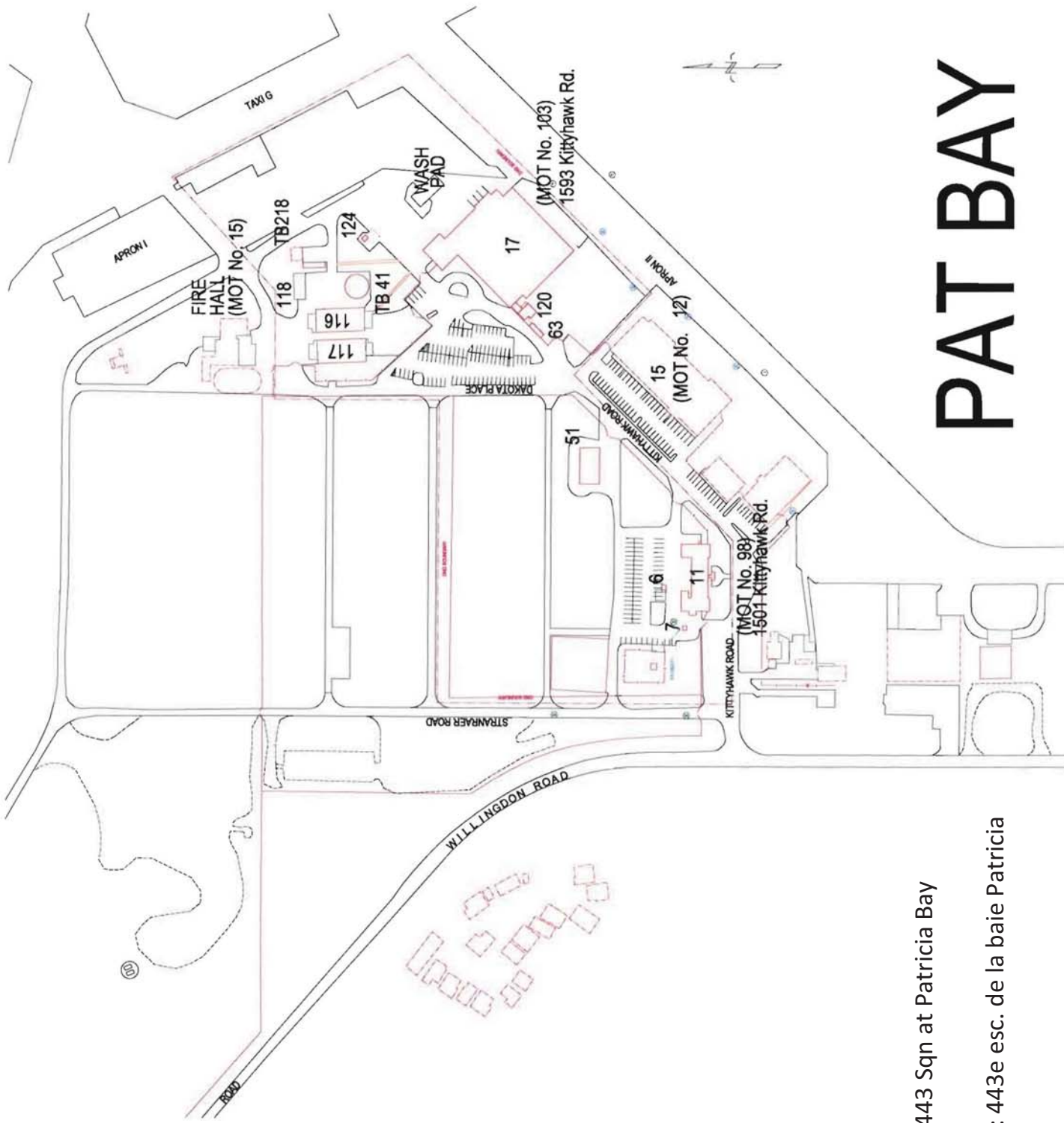
Annexe G: Cap Albert

ALBERT HEAD



Annex H: CFMTR at Nanoose Bay

Annexe H: CEEMFC de la baie de Nanoose



# PAT BAY

Annex I: 443 Sqn at Patricia Bay  
Annexe I: 443e esc. de la baie Patricia