



SOW REF: 16.F.1.b

## **25.18 CAM-M, CAMBRIDGE BAY**

### **25.18.1 LOCATION/TERRAIN/TOPOGRAPHY**

Latitude: 68° 43' 51.91" N  
Longitude: 104° 0' 49.73" W  
Elevation: 12 to 24 m

**Location:** This Long Range Radar (LRR) site is situated in the Nunavut Territory on Victoria Island. One of the largest North Warning sites, CAM-M is situated on 6.6 km<sup>2</sup> of land along the coastal margin of extensive rolling plateau which rises gently inland from the top of steep cliffs boarding of the western arm of the bay. The closest source of support is the community of Cambridge Bay. The site is connected by 4 km of road to the local community. The airport in Cambridge Bay is served by major commercial air carriers.

**Terrain:** The terrain consists of a gently rising plateau broken by innumerable swamp-margined lakes and ponds (about 30 m above sea level) bounded on the sea side by steep cliffs (12.2 -24.4 m). Surface materials in the area consist of sands, gravels, and cobbles, overlain by organic muds and silts and fine sands in wet areas. Grasses, wildflowers, and arctic willows may be found in the drier areas at Cambridge Bay. In the wetter areas, grassy swards, sedges, mosses, and arctic willows may be found.

**Topography:** The most prominent feature is Mount Pelly, 205 m high, located approximately 11 km northwest of the site.

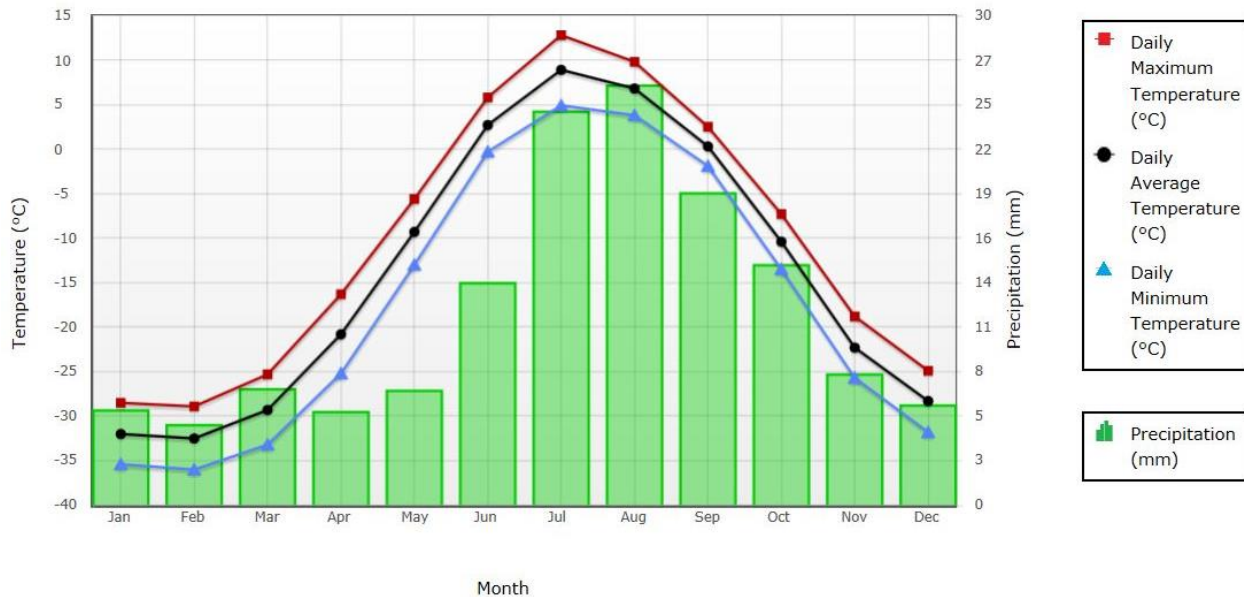
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## 25.18.2 CLIMATE



**Figure 25.18-1 Temperature and Precipitation at Cambridge Bay, Averages of Information from 1981 to 2010**

Precipitation:

Annual Average:	145 mm
Snowfall:	77 cm
Rainfall:	68 mm

## 25.18.3 SITE POPULATION

The normal site population is 18-22 people per day during the year, but numbers swell during summer due to seasonal construction and occasional large groups of Third Party visitors.

## 25.18.4 LAND USE

Because of the proximity of suitable freshwater lakes, the ocean, and the tundra, residents of Cambridge Bay have adequate resources available for fishing and hunting. This results in minimal resources or land use conflicts due to the presence of the site. The site is located in the Nunavut Settlement Area within the Kitikmeot administrative region. DND has been transferred the management, charge, and direction of the property by DIAND for the life of the NWS.

One archaeological site has been discovered approximately 1.5 km south east of the site. The contents of the artifacts have not been well documented.

## 25.18.5 WILDLIFE

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In the immediate vicinity of the site, the occasional arctic hare, arctic fox, ermine, ptarmigan, raven, and passerines can be seen. Beyond the immediate vicinity of the developed areas, wildlife such as caribou, wolverine, and wolves become more abundant. Muskox can often be found on the tundra to the east of Cambridge Bay. Bearded and ringed seals can often be found offshore to the site within Cambridge Bay. And, although rare, polar bears have been seen in the Ferguson Lake area, north of the site.

Raptors and waterfowl are commonly seen in Cambridge Bay. Raptors are frequently found perched on the facilities of the site as they offer vantage points over the flat terrain.

The large pond southeast of the site is relatively productive for waterfowl and tundra swans. Oldsquaw ducks were observed in flocks on these ponds as well as on the larger waterbody west of the site.

A variety of shorebirds, including baird sandpipers and lapland longspur, have been found in a variety of habitat types including the disturbed areas beneath module trains. Snow bunting and rock ptarmigan also nest beneath these structures. Black-bellied plover nest on landfills, both abandoned and present. A ruddy turnstone nest was found near one of the warehouses. Ravens also nest on-site.

Aquatic resources of Victoria Island include arctic char, lake trout, least cisco, arctic cisco, lake whitefish, fourhorn sculpin, and ninespine stickleback.

Table 25.18-1 shows the wildlife that can be found on or within the vicinity of CAM-M.

**Table 25.18-1 Wildlife Species Encountered at or within range of CAM-M and their classification under SARA, COSEWIC, and Territorial Regulations**

Species Common Name	Species Binomial Nomenclature	Time frame of Occurrence	SARA Status <sup>1</sup>	SARA Schedule <sup>2</sup>	COSEWIC Designation <sup>3</sup>
<b>TERRESTRIAL MAMMALS</b>					
Arctic Fox	<i>Vulpes lagopus</i>	Annual	---	---	---
Arctic Hare	<i>Lepus arcticus</i>	Annual	---	---	---
Caribou, Barren Ground subspecies (Union and Dolphin population)	<i>Rangifer tarandus groenlandicus</i>	Annual	Special Concern	1	Special Concern
Grey Wolf	<i>Canis lupus</i>	Annual	---	---	---
Grizzly Bear	<i>Ursus arctos horribilis</i>	Seasonally	---	---	Special Concern
Muskoxen	<i>Ovibos moschatus</i>	Spring-late summer	---	---	---
Red Fox	<i>Vulpes vulpes</i>	Annual	---	---	---
Wolverine	<i>Gulo gulo</i>	Annual	---	---	Special Concern
<b>MARINE MAMMALS</b>					
Bowhead Whale	<i>Balaena mysticetus</i>	Annual	---	---	---
Polar Bear	<i>Ursus maritimus</i>	Annual	Special Concern	1	Special Concern
Ringed Seal	<i>Phoca hispida</i>	Winter-Spring	---	---	Not at Risk
American Golden Plover	<i>Pluvialis dominica</i>	Summer	---	---	---
<b>BIRDS</b>					
American Pipit	<i>Anthus rubescens</i>	Summer	---	---	---
Arctic Tern	<i>Sterna paradisaea</i>	Summer	---	---	---
Baird's Sandpiper	<i>Calidris bairdii</i>	Summer	---	---	---
Black-Bellied Plover	<i>Pluvialis squatarola</i>	Summer	---	---	---
Brant	<i>Branta bernicla</i>	Summer	---	---	---

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Species Common Name	Species Binomial Nomenclature	Time frame of Occurrence	SARA Status <sup>1</sup>	SARA Schedule <sup>2</sup>	COSEWIC Designation <sup>3</sup>
Buff-Breasted Sandpiper	<i>Tryngites subruficollis</i>	Summer	---	---	---
Cackling Goose	<i>Branta hutchinsii</i>	Summer	---	---	---
Canada Goose	<i>Branta canadensis</i>	Summer	---	---	---
Common Eider	<i>Somateria mollissima</i>	Summer	---	---	---
Common Raven	<i>Corvus corax</i>	Annual	---	---	---
Common Redpoll	<i>Acanthis flammea</i>	Summer	---	---	---
Glaucous Gull	<i>Larus hyperboreus</i>	Summer	---	---	---
Gyrfalcon	<i>Falco rusticolus</i>	Annual	---	---	Not at Risk
Horned Lark	<i>Eremophila alpestris</i>	Summer	---	---	---
King Eider	<i>Somateria spectabilis</i>	Summer	---	---	---
Lapland Longspur	<i>Calcarius lapponicus</i>	Summer	---	---	---
Long-Tailed Duck	<i>Clangula hyemalis</i>	Summer	---	---	---
Long-Tailed Jaeger	<i>Stercorarius longicaudus</i>	Summer	---	---	---
Pacific Loon	<i>Gavia pacifica</i>	Summer	---	---	---
Parasitic Jaeger	<i>Stercorarius parasiticus</i>	Summer	---	---	---
Pectoral Sandpiper	<i>Calidris melanotos</i>	Summer	---	---	---
Peregrine Falcon, Anatum subspecies	<i>Falco peregrinus anatum</i>	Annual	Threatened	1	Non-Active
Peregrine Falcon, Tundrius subspecies	<i>Falco peregrinus tundrius</i>	Annual	Special Concern	3	Non-Active
Pomarine Jaeger	<i>Stercorarius pomarinus</i>	Summer	---	---	---
Red Knot, Rufa	<i>Calidris canutus rufa</i>	Summer	Endangered	1	Endangered
Red Phalarope	<i>Phalaropus fulicarius</i>	Summer	---	---	---
Red-Breasted Merganser	<i>Mergus serrator</i>	Summer	---	---	---
Red-Necked Phalarope	<i>Phalaropus lobatus</i>	Summer	---	---	---
Red-Throated Loon	<i>Gavia stellata</i>	Summer	---	---	---
Rough-Legged Hawk	<i>Buteo lagopus</i>	Summer	---	---	Not at Risk
Ruddy Turnstone	<i>Arenaria interpres</i>	Summer	---	---	---
Sanderling	<i>Calidris alba</i>	Summer	---	---	---
Sandhill Crane	<i>Grus canadensis</i>	Summer	---	---	---
Semipalmated Plover	<i>Charadrius semipalmatus</i>	Summer	---	---	---
Snow Bunting	<i>Plectrophenax nivalis</i>	Summer	---	---	---
Snow Goose	<i>Chen caerulescens</i>	Summer	---	---	---
Snowy Owl	<i>Bubo scandiaca</i>	Annual	---	---	Not at Risk
Stilt Sandpiper	<i>Calidris himantopus</i>	Summer	---	---	---
Thayer's Gull	<i>Larus thayeri</i>	Summer	---	---	---
Tundra Swan	<i>Cygnus columbianus</i>	Summer	---	---	---
White Rumped Sandpiper	<i>Calidris fuscicollis</i>	Summer	---	---	---
Willow Ptarmigan	<i>Lagopus lagopus</i>	Annual	---	---	---
Yellow-Billed Loon	<i>Gavia adamsii</i>	Summer	---	---	Not at Risk

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**Notes:**

1 = SARA Status. The federal Species At Risk Act (SARA) classifies species as extinct, extirpated, endangered, threatened, or special concern.

2 = SARA Schedule. The federal Species at Risk Act (SARA) assigns species to Schedule 1, 2 or 3. Schedule 1 is the official List of Wildlife Species at Risk. Schedule 1 species and their residences and critical habitats are protected. Species in Schedule 2 or 3 are not protected under SARA, but they are monitored and their designation is subject to re-assessment.

3 = The Committee on the Status of Endangered Wildlife in Canada (COSEWIC) is a committee of experts that assesses and designates which wildlife species are in some danger of disappearing from Canada. COSEWIC designations are based on status reports. These status reports are comprehensive technical reports that compile and analyze the best available information on a wildlife species' status in Canada and indicates the threats to that wildlife species. COSEWIC classifies species as extinct, extirpated, endangered, threatened, or special concern.

4= Under Nunavut's Wildlife Act, a List of Species at Risk can be established. No species have been listed yet.

5 = --- means there is no classification.

## **25.18.6 WATER SUPPLY**

Water is pumped directly from the lake via pipeline to the raw water tank.

## **25.18.7 SEWAGE DISPOSAL**

Sewage at CAM-M is treated at the site's tertiary sewage treatment plant.

## **25.18.8 WASTE DISPOSAL**

The Cambridge Bay community has been commissioned to haul household waste from CAM-M to the community landfill for disposal.

## **25.18.9 ELECTRICAL POWER**

Power is generated at this site through three generators, which have the capacity to be synchronized together. Total capacity can vary depending on the site load and the number of DEGs online. This range can vary from 330 kW to 990 kW.

## **25.18.10 FIRE PROTECTION**

Components: The fire protection system consists of:

- a. Fire Alarm & Detection System;
- b. CO<sub>2</sub> Fire Suppression Systems;
- c. FM-200 Fire Suppression System; and
- d. Portable Fire Extinguisher.

Description: The Fire Alarm Control Panel (FACP) for the main detection system (GE quick start) is located in the dining area, with a secondary panel located in 'B' Train.

If the FACP fire alarm is activated, the system will:

- a. activate the fire doors in the activated zone;
- b. set off the alarm bells and horns throughout the site;
- c. activate the station siren to notify personnel outside; and
- d. send a signal to notify the NWSCC.

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The Pyrene CO2 system is located in the C&E and the Power Plant area. If a single detector from the Pyrene System is activated, the system will:

- a. set off the alarm bells and horns in that area;
- b. send a signal to the main FACP, which activates the main fire alarm panel and will set off the alarm bells and horns throughout the site; and
- c. send a signal to notify the NWSCC.

If a second device in the C&E area is activated, the following will occur:

- a. the FACP will initiate shutdown of the exhaust fans and radar;
- b. the FACP will initiate the discharge of CO2 into the zone where alarm initiated from;
- c. the FACP will activate the discharge strobes above the entrance way to the fire zone;
- d. the discharge pressure switch will activate; and
- e. send a signal to notify the NWSCC.

If a second device in the Power Plant on the site is activated, the following will occur:

- a. the FACP will initiate the shutdown of the exhaust fan & power;
- b. the FACP will initiate the generator shut down;
- c. the FACP will initiate CO2 discharge into the power plant;
- d. the FACP will initiate the discharge strobes above the entrance way to the fire zone;
- e. the discharge pressure switch will activate; and
- f. send a signal to notify the NWSCC.

The FM-200 Suppression System is located in the Communications Room (Comms Room), and is made up of two 60 lbs cylinders with 48 lbs of agent. The system is supervised by the GE Quick Start Fire Alarm Panel.

If a single device in the Comms Room is activated, the following will occur:

- a. the FACP will initiate evacuation bell within the Comms Room;
- b. the FACP will send a signal to the GE Quick Start FACP which will activate the sites Fire Alarm System; and
- c. the FACP will send a signal to notify the NWSCC.

If a second device in the Comms room is activated, the following will occur:

- a. the FACP will initiate the discharge sequence; and
- b. the discharge strobes will activate above the entrance way to the Comms Rooms.

The Kitchen Range Guard System is located in the dining area, and is made up of one cylinder containing 11.3 L (2.5 Gal) of agent. The system is supervised by the GE Quick Start Fire Alarm Panel.

If the system is activated by either the release of a fusible link in the canopy which will flood the grills and canopy with agent, or by a manual pull station located on the canopy, the main FACP will:

- a. will be signaled;
- b. will set off the alarm bells and horns; and
- c. send a signal to notify the NWSCC.



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**25.18.11 KITS****Table 25.18-2 CAM-M Kits and Locations**

<b>KIT</b>	<b>LOCATION</b>
Fire Fighting Equipment	In "B" Train Module and "A" Train
Safety Boards	Strategic locations throughout site
Disaster/Survival	Garage Mezzanine
POL Spill	ATB Hangar and Warehouse
Chemical/Asbestos Spill	ATB Hangar and Warehouse
First Aid Supplies and Equipment	"B" Train and strategic locations throughout site

**Table 25.18-3 CAM-M Fuel Spill Kit**

<b>CAT I.D.</b>	<b>QTY.</b>	<b>ITEM</b>	<b>PART NUMBER</b>
<b>1067553</b>	<b>C/W</b>	<b>POL SPILL CLEANUP KIT No. 1</b>	<b>CL006</b>
1021477	20 BG	ABSORBENT, MATERIAL 50 QT. BAG	48210
1021572	10 RL	ABSORBENT, MATERIAL 3/8" X 36" X 144 FT	OB150
1044124	150 BG	ABSORBENT, MATERIAL 50 QT. BAG	48230
1021664	1 CS	ABSORBENT, SHEET 200 SH/CS 17"X19"X3/8"THK	OB100
1059485	8 EA	BOOM, OIL 40 FT. TOTAL LG.	48225
1062419	2 EA	PITCHFORK	R41645
1018094	1 BX	PLASTIC BAG 100 BAGS/BOX	35-50-3B
1008712	4 RL	PLASTIC POLY 6 MIL, 1000 SQ.METERS	VISQUEENCLEAR
1021141	3 EA	HALF MASK, DISPOSABLE TYPE	GT-9999-3005-7
1009276	1 RL	ROPE, POLYPROPYLENE 600 FT.	MIL-R-24049
1013919	20 PR	RUBBER GLOVES, LINED	GL4513 (M)
1061292	2 PR	SAFETY GOGGLES	6367
1062475	2 EA	SHOVEL, ROUND MOUTH	GGG-S-326
1022135	1 EA	SLIPTANK, PORTABLE 100 GAL.	TANK100
1003058	2 EA	SALVAGE DRUMS 85 GAL.	PS-26368

**Table 25.18-4 CAM-M Chemical Spill Kit**

<b>CAT I.D.</b>	<b>QTY.</b>	<b>ITEM</b>	<b>PART NUMBER</b>
<b>1067552</b>	<b>C/W</b>	<b>CHEMICAL SPILL KIT</b>	<b>CL007</b>
1023947	4 PR	COVERALLS, W/ HOOD & BOOT COVERS	SEA PA5228
1012151	4 PR	GLOVES, CHEMICAL RESISTANT	111E220
1063898	1 BX	RAGS, COTTON, 50 LB.	31-25
1062334	4	SIGN, HAZARDOUS CHEMICAL	70852
1022625	4	RESPIRATOR, HALF-FACE	655X013
1022622	12	CARTRIDGE FILTERS, VAPOUR	655F155

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**Table 25.18-5 CAM-M Asbestos Response Kit**

CAT I.D.	QTY.	ITEM	PART NUMBER
<b>1067551</b>	<b>C/W</b>	<b>ASBESTOS RESPONSE KIT</b>	<b>CL008</b>
1023947	8 PR	COVERALLS, W/ HOOD & BOOT COVERS	SEA PA5228
1063146	2 BG	GLOVEBAG. HORIZONTAL, ZIP-LOCK	10HZ
1050629	1 PG	GLOVEBAG. TEE, ZIP-LOCK	10TZ
1049979	1 PG	GLOVEBAG. HORIZ. W/VALVE ZIP-LOCK	10VLZ
1060069	1 PG	GLOVEBAG. VERTICAL, ZIP-LOCK	10VZ
1063031	1 BG	ADHESIVE, BAKELITE	120-18
1063032	1	CANVAS SHEET 5 FT. X 6 FT.	00
1022622	12	CARTRIDGE FILTERS, VAPOUR	655F155
1060534	2	CAUTION LABELS (BRADY)	85383
1011756	14 RL	DUCT TAPE	290
1057731	2	EXPANSION STRIP 6" X 54 "	0654EX
1012151	10 PR	GLOVES, CHEMICAL RESISTANT	111E220
1013228	1 BX	GLOVES, SURGICAL 100/BOX	431104
1011596	3	PLASTIC PAIL	L-P-65
1008712	2 RL	SHEET, PLASTIC 144" W X 1200" LG.	VISQUEENCLEAR
1066387	1	PRESSURE SPRAYER, 1 GAL	60071
1063898	1	RAG, COTTON	31-25
1022625	4	RESPIRATOR, HALF-FACE	655X013
1009663	1	SHEARS, METAL TIN SNIPS	270-10
1063027	1 SE	SHOULDER STRAP, 30" LG	30SS
1063040	1 SE	SHOULDER STRAP, 60" LG	60SS
1063637	1	DISINFECTANT, 1 GAL	EMP425-1
1019931	3	UTILITY KNIFE	U-3-C
1061205	4	WARNING SIGN (BRADY)	92288
1061986	1	WIRE, FLEXSAW	20FS
1018252	1 PL	WETTING AGENT, SURFACTANT 5 GAL.	CP-225
1062413	6 EA	BAG, PLASTIC. YELLOW	ASBA003
1064301	4	BRUSH, PAINT 4 IN. WIDE	310-100

## 25.18.12 BULK FUEL STORAGE AND DISTRIBUTION

Fuel is delivered to the site annually via sealift. The barge pumps directly into the beach tanks via a 150 mm diameter fuel transfer line. Bulk Fuel Technicians transfer fuel biannually from the beach tanks to the summit bulk tanks via the 50 mm fuel transfer line. After each transfer, the majority of the fuel is drained from the line and all valves are closed and locked.

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**Table 25.18-6 CAM-M Bulk Fuel Storage**

LOCID	Location	Fuel Usage	Tank Size (L)	Max Fill Volume (L)	Usable Volume (L)
Environment Canada ID # & System Name: EC-00003865, CAM-M Beach to Summit					
CAMW22A	Summit	PGS	946,300	890,038	845,653
CAMW22D	Summit	PGS	75,000	70,494	69,428
CAMW21G	Garage	Vehicle Refueller	4,100	3878	3770
CAMW20B	Airstrip	Aviation	69,200	65,084	63,427
CAMW20C	Airstrip	Aviation	69,200	65,084	63,427
CAMW22C	Beach	Aviation/PGS	946,300	890,038	845,653
CAMW20D	Beach	Aviation/PGS	946,300	890,038	845,653
CAMDAYT1	Power Plant	PGS	1,135	1,067	1,067
CAMDAYT2	A-train	PGS	1,135	1,067	1,067
CAMDAYT3	A-train	PGS	1,135	1,067	1,067
CAMDAYT4	B-train	PGS	1,135	1,067	1,067
CAMDAYT5	B-train	PGS	1,135	1,067	1,067
CAMDAYT6	Warehouse	PGS	1,135	1,067	1,067
CAMDAYT7	Warehouse	PGS	1,135	1,067	1,067
CAMDAYT8	Garage	PGS	1,135	1,067	1,067
CAMDAYT9	Garage	PGS	1,135	1,067	1,067
CAMDAYT10	HVS	PGS	1,135	1,067	1,067
CAMDAYT11	HVS	PGS	1,135	1,067	1,067
CAMDAYT12	Warehouse 1	PGS	1,135	1,067	1,067
CAMDAYT13	Warehouse 1	PGS	1,135	1,067	1,067
CAMDAYT14	Warehouse 2	PGS	1,135	1,067	1,067
CAMDAYT15	Warehouse 2	PGS	1,135	1,067	1,067
CAMDAYT16	Warehouse 3	PGS	1,135	1,067	1,067
CAMDAYT17	Warehouse 3	PGS	1,135	1,067	1,067
CAMDAYT18	Hangar	PGS	1,135	1,067	1,067
CAMDAYT19	Hangar	PGS	1,135	1,067	1,067
CAMDAYT20	Hangar	PGS	1,135	1,067	1,067
CAMDAYT21	Hangar	PGS	1,135	1,067	1,067
CAMDAYT22	ATB	PGS	1,135	1,067	1,067
CAMDAYT23	ATB	PGS	1,135	1,067	1,067
CAMDAYT24	Volcano	PGS	1,135	1,067	1,067
<b>Summit Totals:</b>			<b>1,045,830</b>	<b>983,616</b>	<b>938,057</b>
<b>Airstrip Totals:</b>			<b>145,210</b>	<b>136,570</b>	<b>133,256</b>
<b>Beach Totals:</b>			<b>1,892,600</b>	<b>1,780,076</b>	<b>1,691,306</b>
<b>Site Totals:</b>			<b>3,083,640</b>	<b>2,900,262</b>	<b>2,762,619</b>

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**Table 25.18-7 CAM-M Bulk Fuel System Components**

COMPONENT	USE	DESCRIPTION
Tank CAM W22A	PGS	Field-erected, vertical, single bottom, steel, 946,000L-summit tank (1956-1957) with contained in a gravel dike with impermeable liner (1995) complete with a sump. The dike volume meets the required code capacity. The membrane in the dike attaches to the perimeter of the tank concrete foundation but does not pass under bottom of tank and does not meet CEPA requirements (see NWS Site Fuel Distribution & Storage Facility Current Conditions June 21, 2002).
Tank CAM W22D	PGS	Self-diked, horizontal, steel, 75,000L tank at the summit (1994-1995).
Tanks CAM W22C & CAM W20D	PGS	Field-erected, vertical, single bottom, steel, 946,000L beach tanks (1956-1957) contained in a single gravel dike with impermeable liner (1995) complete with a sump. The dike volume meets the required code capacity. The membrane in the dike attaches to the perimeter of the tanks concrete foundations but does not pass under bottom of the tanks and does not meet CEPA requirements (see NWS Site Fuel Distribution & Storage Facility Current Conditions June 21, 2002).
Tanks CAM W20B & CAM W20C	Aviation	Single wall, horizontal, steel, 69,000 L apron tanks (DEW line Vintage) contained in a single gravel dike with impermeable liner (1995) complete with a sump. Dike volume meets the required code capacity. The gravel dike built in 1995 is complete with catch basin drainage. Membrane in dike area extends underneath the tanks.
Aircraft Refueller CAM W24C	Aviation	Aircraft refueller (pumps only) on a metal structure at the apron (2008).
Pipelines CAM W08A		a. 1,850 m of 50 mm aboveground piping from beach area to summit tank (1957) b. 1,000 m of 50 mm aboveground piping from beach to apron tank (1957) c. 150 mm aboveground piping from beach intake to beach tanks (1957) d. 110 m of 50 mm double walled <u>underground</u> piping from summit tank to building trains (2009) e. new piping to/from refueller
Beach Pumphouse CAM B06B		Roper Series H-75 rotary gear type positive displacement pump. Maximum allowed pressure per pump is 400 p.s.i. Electric motor driven.
Summit Pumphouse CAM B06A		Roper 3600GHBRV no.2A rotary gear type positive displacement pump. Electric motor driven

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SOW REF: 16.F.1.b

**Table 25.18-8 CAM-M LOCID Register**

<b>LOCID #</b>	<b>FACILITY NAME</b>
CAM B01A	RADAR/COM - A-TRAIN
CAM B03A	TECH SERV/POWER BLDG
CAM B06A	POL PUMPHOUSE - SUMMIT
CAM B06B	POL PUMPHOUSE - BEACH
CAM B06C	WATER PUMPHOUSE
CAM B09A	AIRSTRIIP TERMINAL BUILDING
CAM B10A	GARAGE
CAM B11A	B-TRAIN
CAM B11B	CRS BLDG. - E-TRAIN
CAM B11X	VOLCANO BOILER BUILDING
CAM B13A	WAREHOUSE # 1
CAM B13B	WAREHOUSE # 2
CAM B13C	WAREHOUSE # 3
CAM B13X	WAREHOUSES
CAM B14A	HANGAR
CAM B16A	LSS FACILITY
CAM B27A	HEATED VEHICLE STORAGE BLDG.
CAM W01A	ROADS
CAM W02A	SEWAGE TREATMENT PLANT
CAM W03A	WATER DISTRIBUTION
CAM W05A	AUXILIARY POWER UNIT
CAM W06A	POWER DIST./CABLE GROUND
CAM W08A	POL DISTRIBUTION LINES
CAM W09A	SGT PLATFORM/FOUNDATION MAIN
CAM W09C	VARIOUS ANTENNA STRUCTURES
CAM W09D	SGT PLATFORM/FOUNDATION STANDBY
CAM W09X	SGT PLATFORMS/FOUNDATIONS - MAIN & STANDBY
CAM W11A	BOLLARDS
CAM W13A	TVRO FOUNDATION/ANTENNA
CAM W14A	WEATHER EQUIPMENT
CAM W15A	RUNWAY AREA - APRON
CAM W20B	AVIATION/JET A-1 TANK
CAM W20C	AVIATION/JET A-1 TANK
CAM W20D	AVIATION/JET A-1 TANK
CAM W20X	AV/JET-A1 TANKS - ALL
CAM W21G	REFUELLER TANK
CAM W22A	POL/JET-A1 TANK
CAM W22C	PGS/JET-A1 TANK
CAM W22D	PGS/JET-A1 TANK

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SOW REF: 16.F.1.b

LOCID #	FACILITY NAME
CAM W22X	PGS/JET-A1 TANKS - ALL
CAM W24C	POL/JET-A1 (AR-75) AIRCRAFT REFUELLER
CAM W24X	POL/JET-A1 AIRCRAFT REFUELLERS
CAM W29A	FIRE PROTECTION SYSTEM
CAM W30A	SECURITY SYSTEM
CAM W31A	GENERAL GROUNDS
CAM W32A	OPEN STORAGE AREA - POL
CAM W32B	OPEN STORAGE AREA - DISPOSAL
CAM W32C	OPEN STORAGE AREA - MISC.
CAM W33A	PIER/BEACH AREA
CAM W35A	CONTAINMENT DYKES
CAM W42A	ELEVATED WALKWAY
CAM W42B	ELEVATED WALKWAY

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SOW REF: 16.F.1.b



**CAM-M, CAMBRIDGE BAY (SUMMIT)**



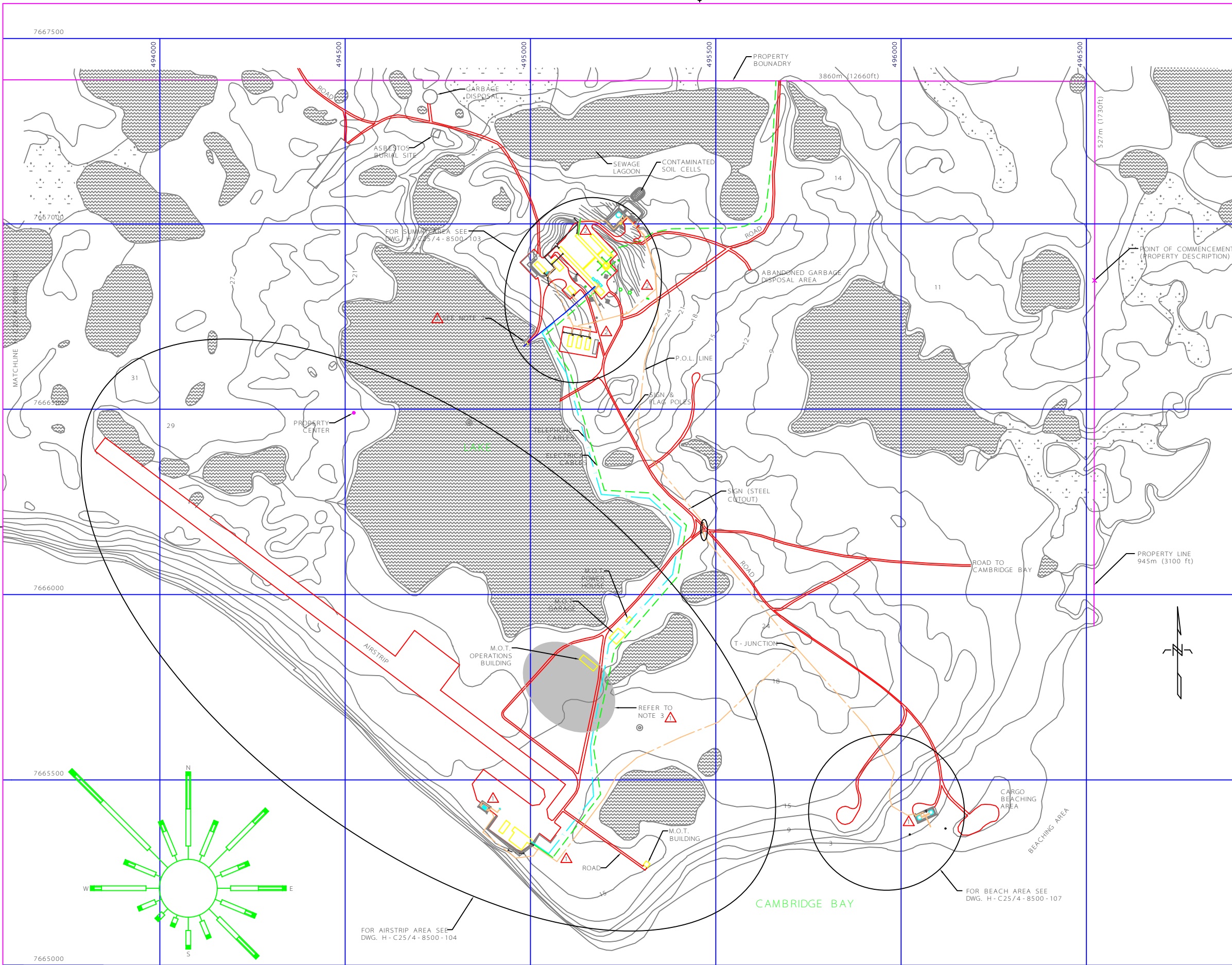
**CAM-M, CAMBRIDGE BAY (HANGER & RUNWAY)**


**UNCONTROLLED WHEN PRINTED**



H - C25/4 - 8400 - 102

CAM - M







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Bureau du système d'alerte du Nord

LOCATION






NOTES:


1. SEE NOTES 1 - 6 ON DWG. H - C25/4 - 8400 - 101


2. THE PENINSULA AND WATER PUMP HOUSE, ARE DRAWN APPROX TO REFLECT ONSITE CONDITION. (NOT SURVEYED)

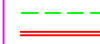
3. APPROXIMATE AREA OF COMMUNITY AIRPORT OPERATIONS.


LEGEND:


 SWAMP

 WATER/LAKE

 P.O.L. ABOVE GROUND

 TELEPHONE

 ELECTRICAL

 GRAVEL ROADWAY

REDUCED DRAWING FOR INFORMATION ONLY

SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

2	17 JUL 12	REV AS PER MR-58593/AS BUILT	A.S.	B.M.	
1	19 JAN 09	REDRAWN AS PER REDLINES J.G. S.B.			
No.	DATE	REVISION	REVISION	DRN	APPR

SITE RECORD DRAWING

80 0 80 160 240 320metres

metres

metres

SCALE - ÉCHELLE

1:4000

PROJECT - PROJET

CM - 66431

LONG RANGE RADAR SITE

CAM - M

CAMBRIDGE BAY

NUNAVUT

TRADE - MÉTIER

SITING

DATE

19 MAR 02


SUBJECT - SUJET

SITE PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT		
DESIGNED ÉTUDE	FIRE MARSHAL	PRÉVOT DU SERVICE DES INCENDIES	
DRAWN DESSINÉ	F.P.		
CHECKED VÉRIFIÉ	T.R.	NWSO ENGINEERING OFFICER	OFFICIER DU GÉNIE DES BSAN
COORDINATION	NWSO FACILITIES ENGINEER		GÉNIE DES INSTALLATIONS BSAN

DWG. NO. - DESSIN NO.

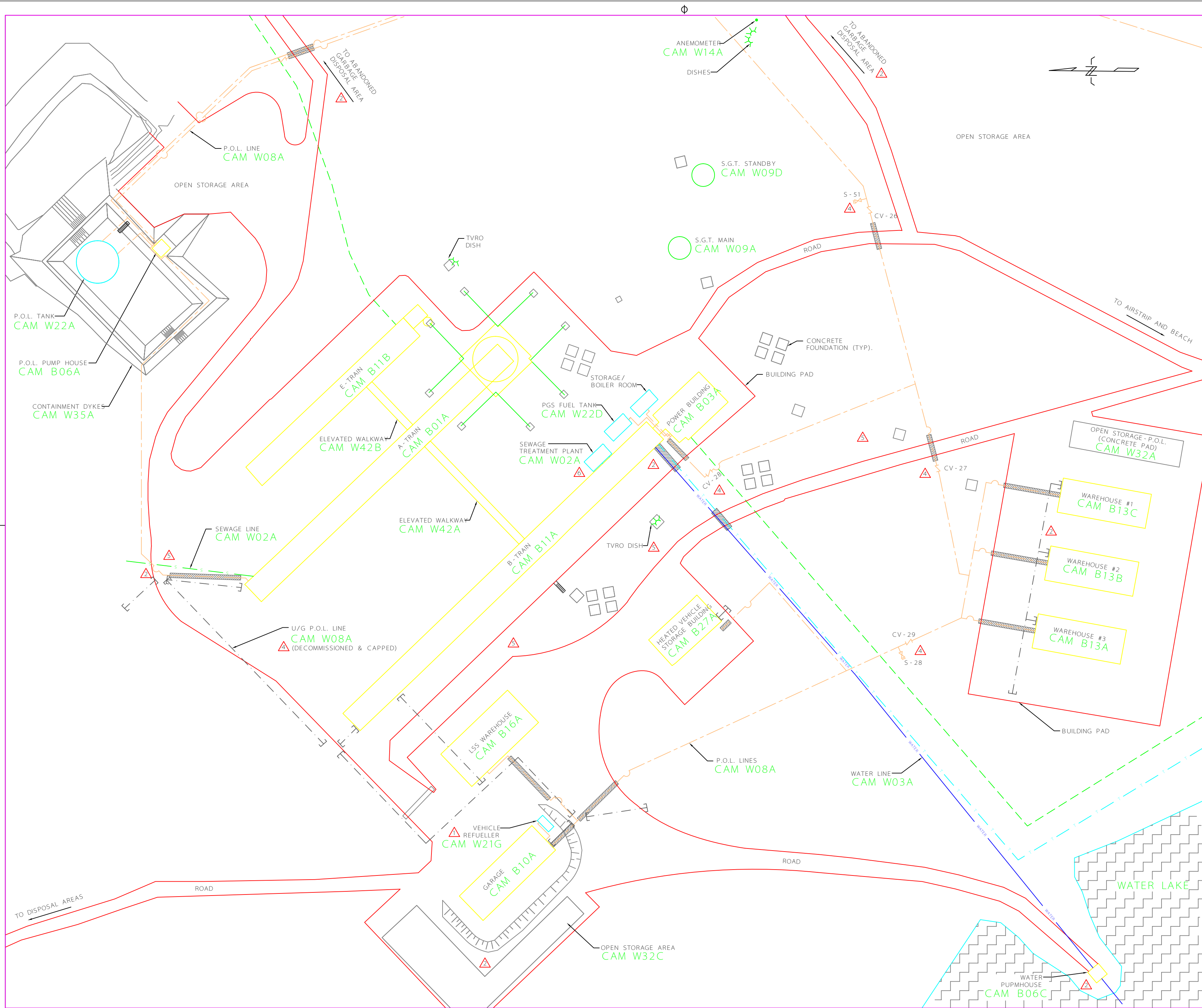
H - C25/4 - 8400 - 102



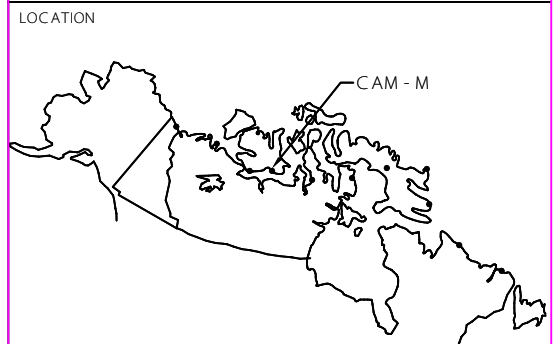




# CAM-M











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Bureau du système d'alerte du Nord



NOTES:

3 1. SAFETY ANCHORS INSTALLED ON S.G.T. ANTENNAS. REFER TO PROJECT A0460 AND NWR 821-386-16

### LEGEND

	P.O.L. ABOVE GROUND
	P.O.L. UNDERGROUND 
	SEWAGE LINE
	WATER LINE
	TELEPHONE
	ELECTRICAL
	CULVERT

REDUCED DRAWING FOR  
INFORMATION ONLY

SCALE IS REPRESENTATIVE  
OF FULL SIZE DRAWING.

6	12 MAR 14	REVISED AS PER SITE VISIT	A.S.	A.M.
5	16 AUG 13	REVISED AS PER SITE VISIT	M.J.	K.R.
4	27 JUL 12	REV. AS PER ML-55953/AS BUILT	A.S.	B.M.
3	04 FEB 10	REVISED AS PER NQ-55493	J.G.	
2	19 JAN 09	REDRAWN AS PER REDLINES	J.G.	S.B.
1	27 SEPT 04	REV AS PER NQ-12375	K.R.	
NO.	DATE	REVISION	REVISION	DRN. APPR

## SITE RECORD DRAWING



SCALE - ÉCHELLE

1:500

PROJECT - PROJET

LONG RANGE RADAR SITE

CAM - M

CAMBRIDGE BAY NUNAVUT

## SITING

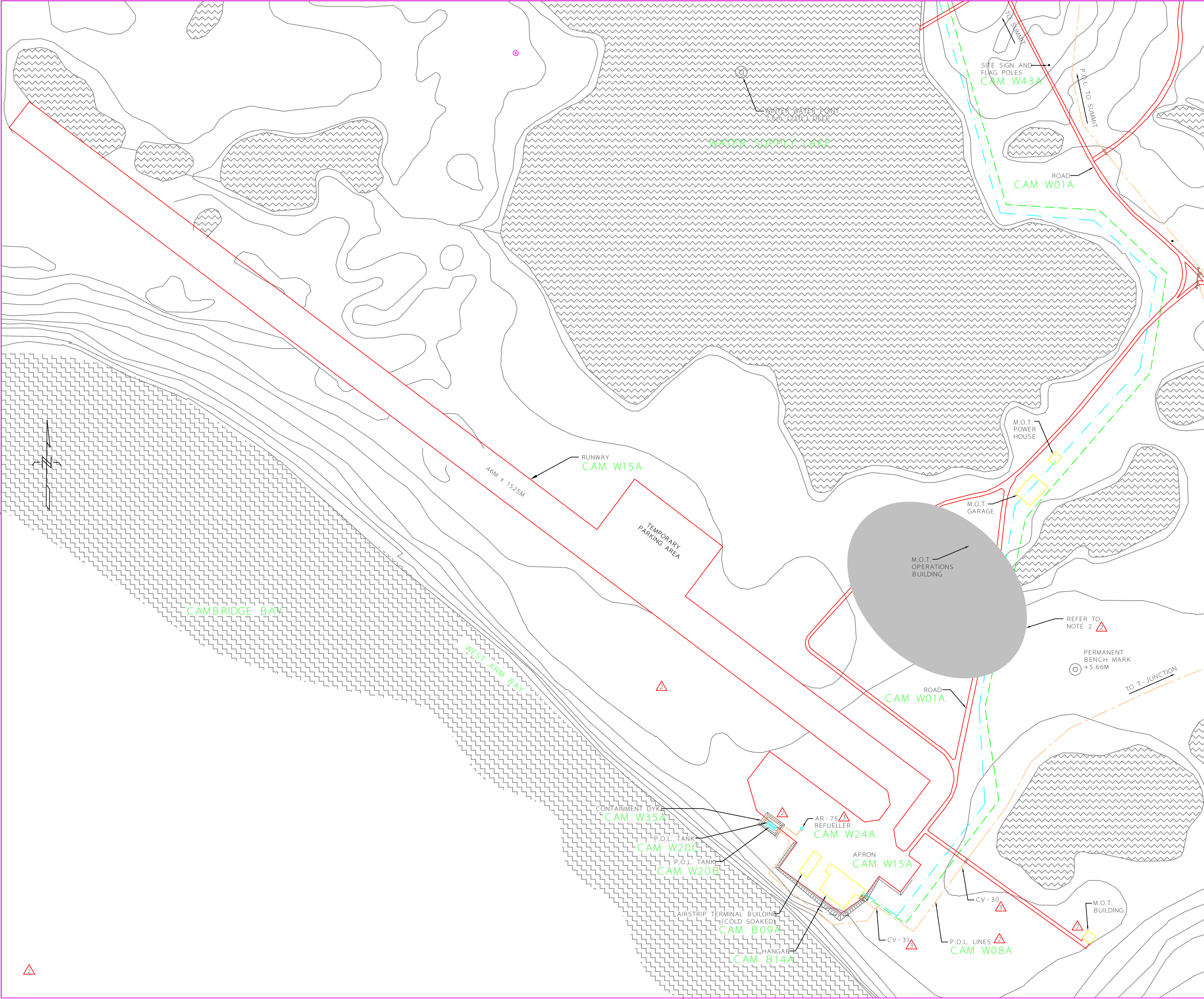
SUBJECT- SUJET	15 MARS 2021
<p style="text-align: center;">SUMMIT LOCID PLAN</p>	


PRODUCTION	CONCURRENCE - ASSÉNTIMENT	
DESIGNÉ ÉTUDE	FIRE MARSHAL	PRÉVOT DU SERVICE DES INCENDIES
DRAWN DESSINÉ	F. P.	
CHECKED VÉRIFIÉ	T. R.	OFFICIER DU GÉNIE BSAN
COORDINATION	NWSO FACILITIES ENGINEER	GÉNIE DES INSTALLATIONS BSAN
	DESSIN NO	

DWG. NO. - DESSIN NO.  
H - C25/4 - 8400 - 105





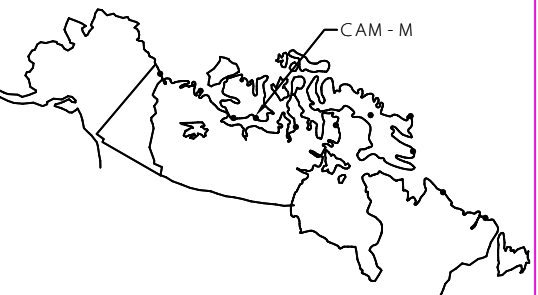





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LOCATION




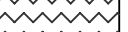



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Canada Limited


NOTES:  
1. CONTOURS ARE IN METERS.  
2. APPROXIMATE AREA OF COMMUNITY AIRPORT OPERATIONS. EXACT DETAILS NOT AVAILABLE.


LEGEND:


SWAMP

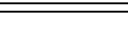
WATER/LAKE


CULVERT

P.O.L. ABOVE GROUND

P.O.L. UNDERGROUND

TELEPHONE

ELECTRICAL

GRAVEL ROADWAY

REDUCED DRAWING FOR INFORMATION ONLY

SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

3	27 JUL 12	REV. AS PER ML-59593/AS BUILT	A.S.	B.M.
2	19 JAN 09	REDRAWN AS PER REDLINES	J.G.	S.B.
1	01 JUNE 05	POL TANK/PIPE REM. LOCID CHANGE	P.C.	
No.	DATE	REVISION	RÉVISION	DRN. APPR.

SITE RECORD DRAWING

0 50 100 150 200 metres

0 50 100 150 200 mètres

SCALE - ÉCHELLE

1:2000

PROJECT - PROJET

CAM - 66431

LONG RANGE RADAR SITE

CAM - M

CAMBRIDGE BAY

NUNAVUT

TRADE - MÉTIER

SITING

DATE

27 MAR 06

SUBJECT - SUJET

AIRFIELD SITE LOCID PLAN

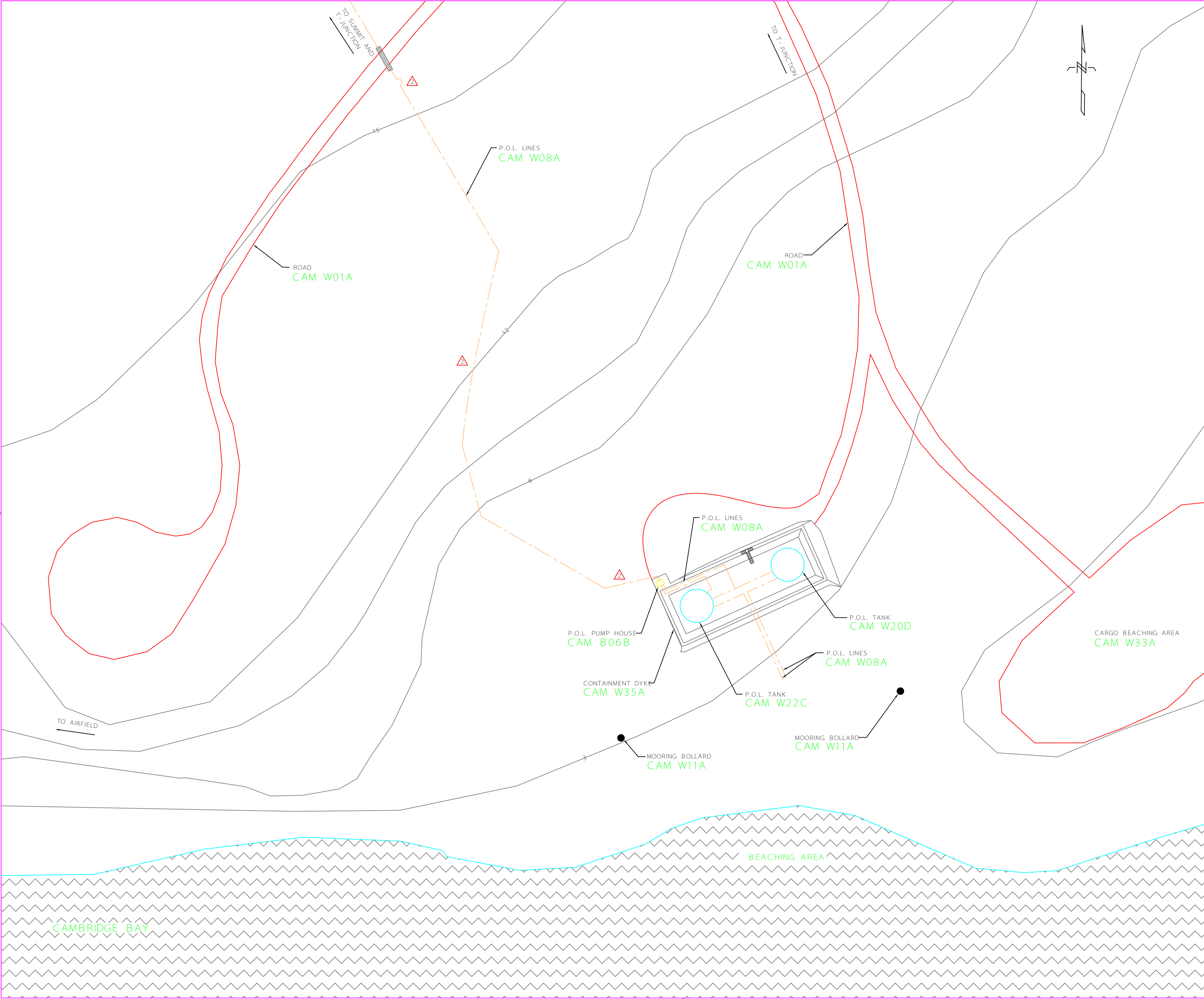
PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ÉTUDIÉ	FIRE MARSHAL PRÉVOT DU SERVICE DES INCENDIES
DRAWN DESSINÉ	F.P. OFFICIER DU GÉNIE BSAN
CHECKED VÉRIFIÉ	T.R. NWSO ENGINEERING OFFICER GÉNIE DES INSTALLATIONS BSAN
COORDINATION	NWSO FACILITIES ENGINEER DNG. NO. - DESSIN NO.


H - C25/4 - 8400 - 106

Canada

H - C25/4 - 8400 - 108

CAM - M



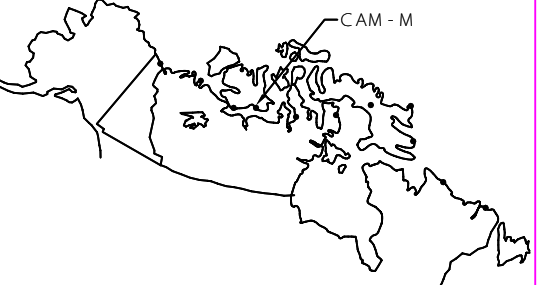



National  
Defence

Défense  
nationale

NORTH WARNING SYSTEM OFFICE  
Bureau du système d'alerte du Nord


LOCATION








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LEGEND:

SWAMP

WATER/LAKE

CULVERT

P.O.L. ABOVE GROUND

REDUCED DRAWING FOR  
INFORMATION ONLY

SCALE IS REPRESENTATIVE  
OF FULL SIZE DRAWING.

2	27 JUL 12	REV. AS PER ML-59593/AS BUILT	A.S.	B.M.	
1	19 JAN 09	ADDED DRAWING AS PER REDLINES	J.G.	S.B.	
No.	DATE	REVISION	RÉVISION	DRN.	APPR.

SITE RECORD DRAWING

0255075100metres  
mètres

SCALE - ÉCHELLE

1:1000

PROJECT - PROJET

LONG RANGE RADAR SITE

CAM - M

CAMBRIDGE BAY

TRADE - MÉTIER

SITING

DATE

30 JAN 07

NUNAVUT

SUBJECT - SUJET

BEACH SITE  
LOCID PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ÉTUDIÉ	FIRE MARSHAL	PRÉVOT DU SERVICE DES INCENDIES
DRAWN DESSINÉ	J.G.	
CHECKED VÉRIFIÉ	S.B.	NWSO ENGINEERING OFFICER
COORDINATION	NWSO FACILITIES ENGINEER	OFFICIER DU GÉNIE DES INSTALLATIONS BSAN

DWG. NO. - DESSIN NO.

H - C25/4 - 8400 - 108

Canada