25.40 DYE-M, CAPE DYER

25.40.1 LOCATION/TERRAIN/TOPOGRAPHY

Latitude: 66° 39' 56.94" N
Longitude: 61° 21' 19.76" W
Elevation: 725 m

Location: This Long Range Radar (LRR) site is located at the extreme eastern edge of a mountainous peninsula at Cape Dyer on Baffin Island. DYE-M is located 460 km NNE of Iqaluit. The host LSS for DYE-M is LSS-I, Iqaluit. Flight time from the LSS is 2 hours, 40 minutes by helicopter under normal conditions. A helipad is located on-site, as well as an abandoned airstrip.

Terrain: The terrain is rugged and boulder strewn with very little soil, consisting of mostly silt. Vegetation on the upper site is sparse, consisting of grass, wildflowers, mosses, and lichen. Vegetation at the lower site is more abundant consisting of wildflowers, creeping willows, and sedges. Several small ice fields exist within five miles of the site.

Topography: The mountainous terrain and the sheer cliffs, some over 610 m high, along the coastline are the most prominent features of the site.

25.40.2 CLIMATE

No average temperature and precipitation information is available from Environment Canada for this site.

Precipitation:	Annual Average:	708 mm
	Snowfall:	602 cm
	Rainfall:	106 mm

25.40.3 SITE POPULATION

This LRR was transitioned to "unattended" status on 31 October 1995.

25.40.4 LAND USE

There are no commercial operations within the vicinity of DYE-M. Hunters from Qikiqtarijuaq (formerly Broughton Island) may hunt arctic fox, walrus, and seal. The site is located in the Nunavut Settlement Area in the Baffin administrative region. DND has been transferred the management, charge, and direction of the property by DIAND for the life of the NWS.

There are existing heritage sites recorded in the DYE-M site area. A relatively recent Inuit camp containing two rings, one cache, and one shelter was located north of the bulk fuel storage tank and

beach landing facilities. Approximately 800 m north of this site, another complex of ten rings was observed. Another historic site associated with construction of the base was observed 1.5 km north of the beach landing. It consists of an access ramp and three building foundations.

South of the bulk fuel storage area is a historic grave site relating to a French whaling expedition of the 1930's. Further removed to the south are three houses, probably Thule in origin. Two have been seriously disturbed by natural erosion and by bulldozing activity. The southernmost site appears to be recent in age, likely dating to post construction of the DEW Line station itself. Features at this site consisted of 11 structure foundations, airplane debris, three tent rings, and six caches.

25.40.5 WILDLIFE

Caribou are occasionally seen at the lower site on the plateau. Arctic foxes, and more infrequently wolves, can be found in the region and near the site. Periodically polar bears are encountered at both camps, particularly during the start of the open water season when they are forced ashore by the break-up of the land-fast ice. Cape Dyer is a major denning area for polar bears on south eastern Baffin Island.

The coastal waters are important habitat to walrus, seals, and many species of whales and porpoises. During the fall and early winter, bowhead whales migrate southward along the east coast of Baffin Island to the Cumberland Sound region. Also during this time, there is a migration of narwhals south along the east coast of Baffin Island to their overwintering areas in the Davis Strait and west Greenland. Bearded seal, harp seal, ringed seal, narwhal, and killer whale can be found in the coastal water of Davis Strait as well.

The cliff terrain that DYE-M is situated on is the preferred habitat for several raptor species including peregrine falcon, gyrfalcon, and snowy owl. The Canadian Wildlife Service (CWS) has recognized western Baffin Bay as a key migratory bird habitat site. This area also contains many seabirds including black-legged kittiwake, thick-billed murre, and black guillemot. Colonies of Sabine's gull can be found south and west of the site.

Table 25.40-1 shows the wildlife that can be found on or within the vicinity of DYE-M.

Table 25.40-1 Wildlife Species Encountered at or within range of DYE-M and their classification under SARA, COSEWIC, and Territorial Regulations

Species Common Name	Species Binomial Nomenclature	Time frame of Occurrence	SARA Status[1]	SARA Schedule[2]	COSEWIC Designation[3]
TERRESTRIAL MAMMALS					
Arctic Fox	*Vulpes lagopus*	Annual	---	---	---
Arctic Hare	*Lepus arcticus*	Annual	---	---	---
Caribou, Barren Ground subspecies	*Rangifer tarandus groenlandicus*	Annual	---	---	---
Grey Wolf	*Canis lupus*	Annual	---	---	---
Red Fox	*Vulpes vulpes*	Annual	---	---	---
Wolverine	*Gulo gulo*	Annual	---	---	Special Concern
MARINE MAMMALS					
Atlantic Walrus (Northwest Atlantic population)	*Odobenus rosmarus*	Seasonally	Extirpated	1	Non-Active

Species Common Name	Species Binomial Nomenclature	Time frame of Occurrence	SARA Status[1]	SARA Schedule[2]	COSEWIC Designation[3]
Bowhead Whale (Eastern Arctic Population)	*Balaena mysticetus*	Annual	Endangered	2	Non-Active
Bowhead Whale (Eastern Canada-West Greenland Population)	*Balaena mysticetus*	Annual	---	---	Special Concern
Habour Seal	*Phoca vitulina concolor*	Seasonally	---	---	Not at Risk
Killer Whale	*Orcinus orca*	Seasonally	---	---	Special Concern
Norwhal Whale	*Monodon monoceros*	Seasonally	---	---	Special Concern
Polar Bear	*Ursus maritimus*	Annual	Special Concern	1	Special Concern
Ringed Seal	*Phoca hispida*	Seasonally	---	---	Not at Risk
BIRDS					
American Golden Plover	*Pluvialis dominica*	Summer	---	---	---
American Pipit	*Anthus rubescens*	Summer	---	---	---
Arctic Tern	*Sterna paradisaea*	Summer	---	---	---
Baird's Sandpiper	*Calidris bairdii*	Summer	---	---	---
Common Eider	*Somateria mollissima*	Summer	---	---	---
Common Loon	*Gavia immer*	Summer	---	---	Not at Risk
Common Raven	*Corvus corax*	Annual	---	---	---
Common Redpoll	*Acanthis flammea*	Summer	---	---	---
Common Ringed Plover	*Charadrius hiaticula*	Summer	---	---	---
Glaucous Gull	*Larus hyperboreus*	Summer	---	---	---
Gyrfalcon	*Falco rusticolus*	Annual	---	---	Not at Risk
Hoary Redpoll	*Acanhis hornemanni*	Annual	---	---	---
Horned Lark	*Eremophila alpestris*	Summer	---	---	---
Iceland Gull	*Larus glaucoides*	Summer	---	---	---
King Eider	*Somateria spectabilis*	Summer	---	---	---
Lapland Longspur	*Calcarius lapponicus*	Summer	---	---	---
Long-Tailed Duck	*Clangula hyemalis*	Summer	---	---	---
Long-Tailed Jaeger	*Stercorarius longicaudus*	Summer	---	---	---
Northern Wheatear	*Oenanthe oenanthe*	Summer	---	---	---
Parasitic Jaeger	*Stercorarius parasiticus*	Summer	---	---	---
Peregrine Falcon, Tundrius subspecies	*Falco peregrinustundrius*	Annual	Special Concern	3	Non-Active
Pomarine Jaeger	*Stercorarius pomarinus*	Summer	---	---	---
Red-Breasted Merganser	*Mergus serrator*	Summer	---	---	---
Red-Necked Phalarope	*Phalaropus lobatus*	Summer	---	---	---
Red-Throated Loon	*Gavia stellata*	Summer	---	---	---
Rock Ptarmigan	*Lagopus muta*	Winter	---	---	---
Rough-Legged Hawk	*Buteo lagopus*	Summer	---	---	Not at Risk
Sandhill Crane	*Grus canadensis*	Summer	---	---	---
Semipalmated Plover	*Charadrius semipalmatus*	Summer	---	---	---
Snow Bunting	*Plectrophenax nivalis*	Summer	---	---	---
Snow Goose	*Chen caerulescens*	Summer	---	---	---
Snowy Owl	*Bubo scandiacus*	Annual	---	---	Not at Risk
White Rumped Sandpiper	*Calidris fuscicollis*	Summer	---	---	---
FISH					
Atlantic Cod (Arctic Marine Population)	*Gadus morhua*	Annual	---	---	Data Deficient

Notes:
1 = SARA Status. The federal Species At Risk Act (SARA) classifies species as extinct, extirpated, endangered, threatened, or special concern.
2 = The SARA Registry currently classifies species at risk in Schedules: 1, 2 and 3. Schedule 1, as defined in the Act, is the official list of wildlife for species at risk that are protected. The species are classified as either: extirpated, endangered, threatened or of special concern. The species listed in Schedules 2 and 3 are not protected under SARA. Species that are listed in schedules 2 and 3 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.

25.40.6 WATER SUPPLY

Water is trucked from a nearby lake or from the melt water stream between the upper and lower sites during the summer months as required.

25.40.7 SEWAGE DISPOSAL

Sewage is piped from the holding tank system to the sewage sumps.

25.40.8 WASTE DISPOSAL

Domestic waste is collected on site and then flown to LSS-Q where it is disposed of in the Iqaluit community landfill. The City of Iqaluit authorized the disposal of non-hazardous waste from the North Warning System Radar sites in the city landfill.

25.40.9 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 175 kW to 525kW.

25.40.10 FIRE PROTECTION

Components: The fire protection system consists of:
a. Fire Alarm & Detection System;
b. CO_2 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.

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.

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.

25.40.11 KITS

Table 25.40-2 DYE-M Kits and Locations

KIT	LOCATION
Fire Fighting Equipment	"A" & "B" Train Receiving Room, Garage
Safety Boards	"A" Train Mod 29 (C&E) & A" Train Mod 49 (Old Cummins Plant, Power House)
Disaster/Survival	"C" Train
POL Spill	C&E Maintenance Shop
Chemical/PCB/Asbestos Spill	C" Train
First Aid Supplies	"A" Train, Mod 39

Table 25.40-3 DYE-M Fuel Spill Kit

CAT I.D.	QTY.	ITEM	PART NUMBER
1067553	**C/W**	**POL SPILL CLEANUP KIT No. 1**	**CL006**
1021477	20 BG	ABSORBENT, MATERIAL 50 QT. BAG	48210
1021572	10 RL	ABSORBENT, MATERIAL, 3/8" X 36" X 144 FT	OB150
1044124	150BG	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 25.40-4 DYE-M Chemical Spill Kit

CAT I.D.	QTY.	ITEM	PART NUMBER
1067552	**C/W**	**CHEMICAL SPILL KIT**	**CL007**
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

Table 25.40-5 DYE-M Asbestos Response Kit

CAT I.D.	QTY.	ITEM	PART NUMBER
1067551	**C/W**	**ASBESTOS RESPONSE KIT**	**CL008**
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

25.40.12 BULK FUEL STORAGE AND DISTRIBUTION

Fuel is delivered to the site biannually. The ship pumps directly into the beach tanks via a 100 mm diameter fuel transfer line. Bulk fuel technicians transfer fuel annually from the beach tanks to the summit bulk tank DYE W20A using two 13,000 L fuel trucks.

Table 25.40-6 DYE-M Bulk Fuel Storage

LOCID	Location	Fuel Usage	Tank Size (L)	Max Fill Volume (L)	Usable Volume (L)
Environment Canada ID # & System Name: EC-00004476, DYE-M Summit					
DYEW22J	Summit	PGS	69,200	65,084	63,427
DYEW22K	Summit	PGS	69,200	65,084	63,427
DYEW21E	Summit	Vehicle Refueller	4,125	3,878	3,770
DYEW20A	Summit	PGS	946,300	890,038	845,653
DYEW20B	Summit	PGS	69,200	65,084	63,427
DYEDAYT1	PGS	Power Plant	1,135	1,067	1,067
DYEDAYT2	PGS	Garage	1,135	1,067	1,067
DYEDAYT3	PGS	Garage	1,135	1,067	1,067
DYEDAYT4	PGS	HVS	1,135	1,067	1,067
DYEDAYT5	PGS	HVS	1,135	1,067	1,067
Environment Canada ID # & System Name: EC-00004477, DYE-M Beach					
DYEW20G	Beach	PGS	91,000	84,631	78,708
DYEW20H	Beach	PGS	91,000	84,631	78,708
DYEW20I	Beach	PGS	91,000	84,631	78,708
DYEW20J	Beach	PGS	91,000	84,631	78,708
DYEW20K	Beach	PGS	91,000	84,631	78,708
DYEW20L	Beach	PGS	91,000	84,631	78,708
DYEW20M	Beach	PGS	91,000	84,631	78,708
DYEW20N	Beach	PGS	91,000	84,631	78,708
DYEW20O	Beach	PGS	91,000	84,631	78,708
DYEW20P	Beach	PGS	91,000	84,631	78,708
DYEW20Q	Beach	PGS	91,000	84,631	78,708
		Summit Totals:	**1,163,700**	**1,094,503**	**1,045,039**
		Beach Totals:	**1,001,000**	**930,941**	**865,788**
		Site Totals:	**2,164,700**	**2,025,444**	**1,910,827**

Table 25.40-7 DYE-M Fuel System Components

COMPONENT	USE	DESCRIPTION
Tanks DYE W20B; DYE W22I; DYE W22J; & DYE W22K	PGS	Single walled, horizontal, steel 69,200L tanks at the Upper site (DEW Line Vintage) contained in a gravel dike with an impermeable liner (1995). Dike volume meets the required code capacity with membrane under the tank.
Tank W20A	Aviation	Field-erected, vertical, single bottom, steel 946,000L Summit tank (1956-1957) contained in a gravel dike with an impermeable liner (1995). 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.
Tanks DYE W20G to DYE W20Q		11 Self-diked, horizontal, steel 91,000L tanks at the beach (2001). All double-walled construction, linked together with header piping and single cat-walk structure.
Pipelines		a. 100 m of 100 mm diameter aboveground piping from sealift connection point to beach tanks b. 80 m of 50 mm diameter aboveground piping from beach tanks to fuel truck connection point c. There is a network of aboveground and underground piping at the upper site. The piping interconnects each of the tanks with each of the buildings, although a majority of it has not been in service since the transition in 1995. Below is a summary of the primary segments: i. 50 mm diameter aboveground and underground piping running from DYE W20A and DYE B06A, along both trains A and B to connect to PGS and Aviation tanks DYE W22J, DYE W22K, and DYE W20B. ii. 50 mm diameter aboveground piping running from DYE W20B to helicopter refueling point at end of Train A. iii. 50 mm diameter aboveground and underground piping running from DYE W20A and DYE B06A, to garage (DYE B10A) and vehicle refueller DYE W21E. iv. 50 mm diameter aboveground and underground piping connecting to various segments listed above, running to cold-soaked and decommissioned buildings DYE B03B, DYE B10A, DYE B27A, and DYE B11B.
Pumphouse		Upper Site Tank Area

Sources Include:

1. Initial Environmental Evaluation of the North Warning System Project, Vols. 1 & 2. Monenco- Eyretechnics Group, 1987(vol. 1), 1989(vol.2).
2. Environmental Cleanup Study of 21 DEW Line Sites in Canada. UMA, June 1991.
3. NWS Environmental Study, Vol. 2: Site Analysis. Royal Roads Military College Environmental Sciences Group (Reimer), June 1991.
4. Nunavut Land Claims Agreement, 1993.
5. NWS Site Record Drawings.
6. Nunavut Wildlife Resource and Habitat Values. Nunami Jacques Whitford Limited. October 2008.

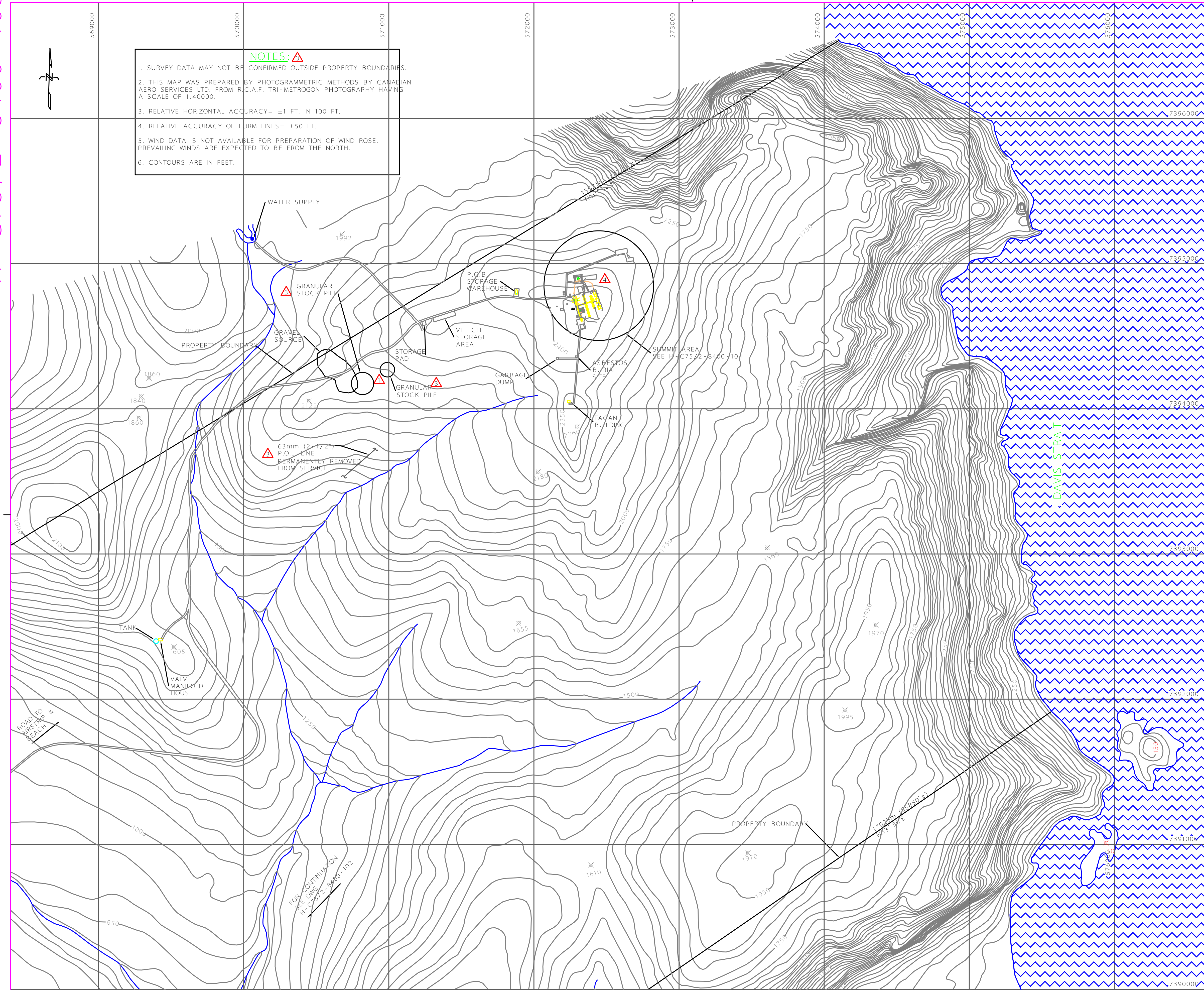
Table 25.40-8 DYE-M LOCID Register

LOCID #	FACILITY NAME
DYE B01A	RADAR/COM - A-TRAIN
DYE B02A	ACCOMMODATION BLDG ARMCO
DYE B02B	ACCOMMODATION BLDG ARMCO
DYE B03A	TECH SERV/POWER BLDG
DYE B03B	TECH SERV/POWER BLDG
DYE B06A	POL PUMPHOUSE - SUMMIT
DYE B09A	AIRSTRIP TERMINAL BUILDING
DYE B10A	GARAGE
DYE B10B	GARAGE
DYE B11A	B-TRAIN
DYE B11B	C-TRAIN
DYE B13A	WAREHOUSE # 2
DYE B13B	WAREHOUSE # 2
DYE B13C	WAREHOUSE # 3
DYE B13D	WAREHOUSE # 4
DYE B13E	WAREHOUSE # 5
DYE B13F	WAREHOUSE # 6
DYE B14A	HANGAR - LOWER SITE
DYE B15A	TACAN BUILDING - SUMMIT SITE
DYE B16A	LSS FACILITY
DYE B17A	DINING HALL - LOWER SITE
DYE B25B	RADIO TERMINAL BUILDING #17
DYE B25C	RADIO TERMINAL BUILDING - TACAN
DYE B25D	SWITCHING CENTER/COMM. BUILDING
DYE B27A	HEATED VEHICLE STORAGE BLDG. SUMMIT SITE
DYE B27B	HEATED VEHICLE STORAGE BLDG. LOWER SITE
DYE W01A	ROADS
DYE W02A	SANITARY SEWERS/SEWER LINES
DYE W05A	AUXILIARY POWER UNIT
DYE W06A	POWER DIST./CABLE GROUND
DYE W07A	ILLUMINATED WINDCONE(s)
DYE W08A	POL DISTRIBUTION LINES
DYE W09A	SGT PLATFORM/FOUNDATION MAIN
DYE W09C	VARIOUS ANTENNA STRUCTURES
DYE W09D	SGT PLATFORM/FOUNDATION STANDBY
DYE W09X	SGT PLATFORMS/FOUNDATIONS - MAIN & STANDBY
DYE W10A	HELIPAD(S)
DYE W11A	BOLLARDS
DYE W13A	TVRO FOUNDATIONATION/ANTENNA

LOCID #	FACILITY NAME
DYE W14A	WEATHER EQUIPMENT
DYE W15A	RUNWAY AREA - APRON
DYE W16A	LIGHTING - AIRFIELD
DYE W19B	POL tank 22 Kl (lower)
DYE W20A	AVIATION/JET A-1 TANK
DYE W20B	AVIATION/JET A-1 TANK
DYE W20G	AVIATION/JET A-1 TANK
DYE W20H	AVIATION/JET A-1 TANK
DYE W20I	AVIATION/JET A-1 TANK
DYE W20J	AVIATION/JET A-1 TANK
DYE W20K	AVIATION/JET A-1 TANK
DYE W20L	AVIATION/JET A-1 TANK
DYE W20M	AVIATION/JET A-1 TANK
DYE W20N	AVIATION/JET A-1 TANK
DYE W20O	AVIATION/JET A-1 TANK
DYE W20P	AVIATION/JET A-1 TANK
DYE W20Q	AVIATION/JET A-1 TANK
DYE W20X	AV/JET-A1 TANKS - ALL
DYE W21E	REFUELLER TANK
DYE W21X	REFUELLER TANK - ALL
DYE W22I	PGS/JET-A1 TANK
DYE W22J	PGS/JET-A1 TANK
DYE W22K	PGS/JET-A1 TANK
DYE W22X	PGS/JET-A1 TANKS - ALL
DYE W29A	FIRE PROTECTION SYSTEM
DYE W30A	SECURITY SYSTEM
DYE W31A	GENERAL GROUNDS
DYE W32A	OPEN STORAGE AREA - POL
DYE W32B	OPEN STORAGE AREA - DISPOSAL
DYE W32C	OPEN STORAGE AREA - MISC.
DYE W33A	PIER/BEACH AREA
DYE W35A	CONTAINMENT DYKES
DYE W42A	ELEVATED WALKWAY
DYE W42B	ELEVATED WALKWAY
DYE W42C	ELEVATED WALKWAY
DYE W42D	ELEVATED WALKWAY
DYE W43A	SITE SIGNS AND FLAG POLES

DYE-M CAPE DYER

H-C75/2-8400-103


NOTES:
1. SURVEY DATA MAY NOT BE CONFIRMED OUTSIDE PROPERTY BOUNDARIES.
2. THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS BY CANADIAN AERO SERVICES LTD. FROM R.C.A.F. TRI-METROGON PHOTOGRAPHY HAVING A SCALE OF 1:40000.
3. RELATIVE HORIZONTAL ACCURACY= ±1 FT. IN 100 FT.
4. RELATIVE ACCURACY OF FORM LINES= ±50 FT.
5. WIND DATA IS NOT AVAILABLE FOR PREPARATION OF WIND ROSE. PREVAILING WINDS ARE EXPECTED TO BE FROM THE NORTH.
6. CONTOURS ARE IN FEET.
569000
570000
571000
572000
573000
574000
575000
576000
7396000
7395000
7394000
7393000
7392000
7391000
7390000
WATER SUPPLY
GRANULAR STOCK PILE
P.C.B. STORAGE WAREHOUSE
VEHICLE STORAGE AREA
GRAVEL SOURCE
PROPERTY BOUNDARY
STORAGE PAD
GRANULAR STOCK PILE
GARBAGE DUMP
ASBESTOS BURIAL SITE
SUMMIT AREA SEE H-C75/2-8400-104
TACAN BUILDING
63mm (2 1/2") P.O.L. LINE PERMANENTLY REMOVED FROM SERVICE
TANK
VALVE MANIFOLD HOUSE
ROAD TO AIRSTRIP & BEACH
FOR CONTINUATION SEE DWG. H-C75/2-8400-102
PROPERTY BOUNDARY
DAVIS STRAIT

DYE-M

National Defence / Défense nationale

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

LOCATION

Raytheon Canada Limited

NOTES:
1. NASITTUQ HAS CARE CUSTODY OF ENTIRE PARCEL.

LEGEND:
- SWAMP
- WATER/LAKE
- POL LINE
- ROADWAY
- STREAM

No.	DATE	REVISION	DRN.	APPR.
4	22 OCT 12	REV AS PER DM-50915	A.S.	B.M.
3	29 APR 10	REV AS PER REDLINES	J.G.	K.J.
2	13 JUN 06	REV AS PER REDLINES	F.P.	
1	19 DEC 02	REVISED AS PER NQ-20066	K.R.	

SITE RECORD DRAWING

200 0 200 400 600 800 metres / mètres

SCALE - ÉCHELLE: 1 : 10000

PROJECT - PROJET: CM-66431

LONG RANGE RADAR SITE

DYE-M

CAPE DYER — NUNAVUT

TRADE - MÉTIER: SITING — DATE: 03 APR 02

SUBJECT - SUJET: SITE PLAN

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED / ÉTUDIÉ		FIRE MARSHAL	PRÉVÔT DU SERVICE DES INCENDIES
DRAWN / DESSINÉ	K.R.		
CHECKED / VÉRIFIÉ	T.R.	NWSO ENGINEERING OFFICER	OFFICIER DU GÉNIE BSAN
COORDINATION		NWSO FACILITIES ENGINEER	GÉNIE DES INSTALLATIONS BSAN

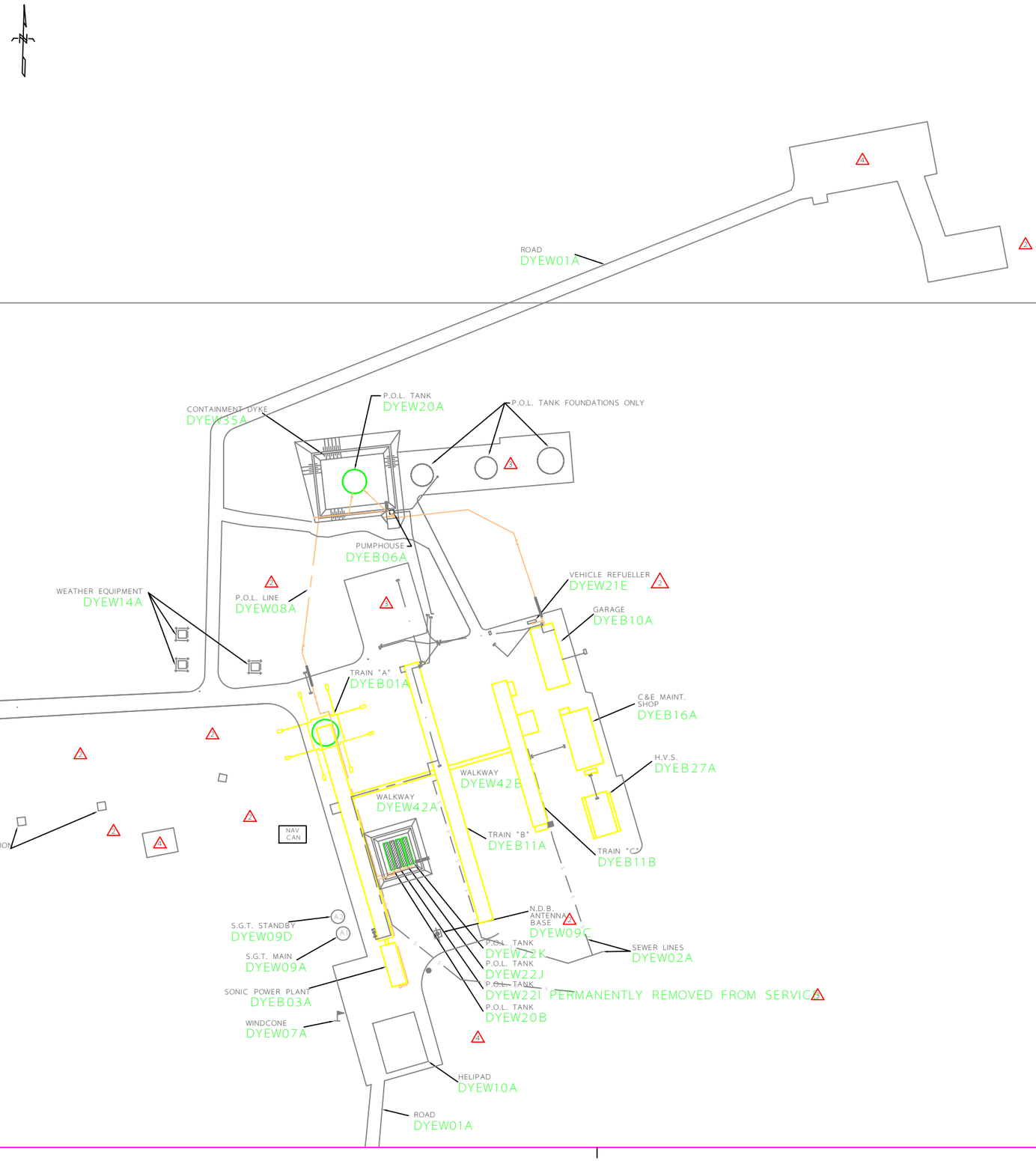
DWG. NO. - DESSIN NO.
H-C75/2-8400-103

Canada

H - C75/2 - 8400 - 107

572000

7395000



DYE - M

National Defence / Défense nationale

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

LOCATION

Raytheon Canada Limited

LEGEND:

- ABOVE GROUND POL LINE
- UNDERGROUND POL PERMANENTLY REMOVED FROM SERVICE
- ABOVE GROUND POL LINE PERMANENTLY REMOVED FROM SERVICE
- SEWER LINE
- ROADWAY 2

No.	DATE	REVISION	REVISION	DRN.	APPR.
4	31 MAY 13	REVISED AS PER RED LINES RETURN BY P.M. ON FEB. 2013		A.S.	N.K.
3	22 OCT 12	REV. AS PER DM - 50915		A.S.	B.M.
2	29 APR 10	REV. AS PER REDLINES		J.G.	K.J.
1	22 SEPT 04	REVISED AS PER NQ-12374		K.R.	

SITE RECORD DRAWING

20 0 20 40 60 80 metres / mètres

SCALE - ÉCHELLE
1 : 1000

PROJECT - PROJET
CM - 66431

LONG RANGE RADAR SITE

DYE - M

CAPE DYER — NUNAVUT

TRADE - MÉTIER: SITING
DATE: 03 APR 02

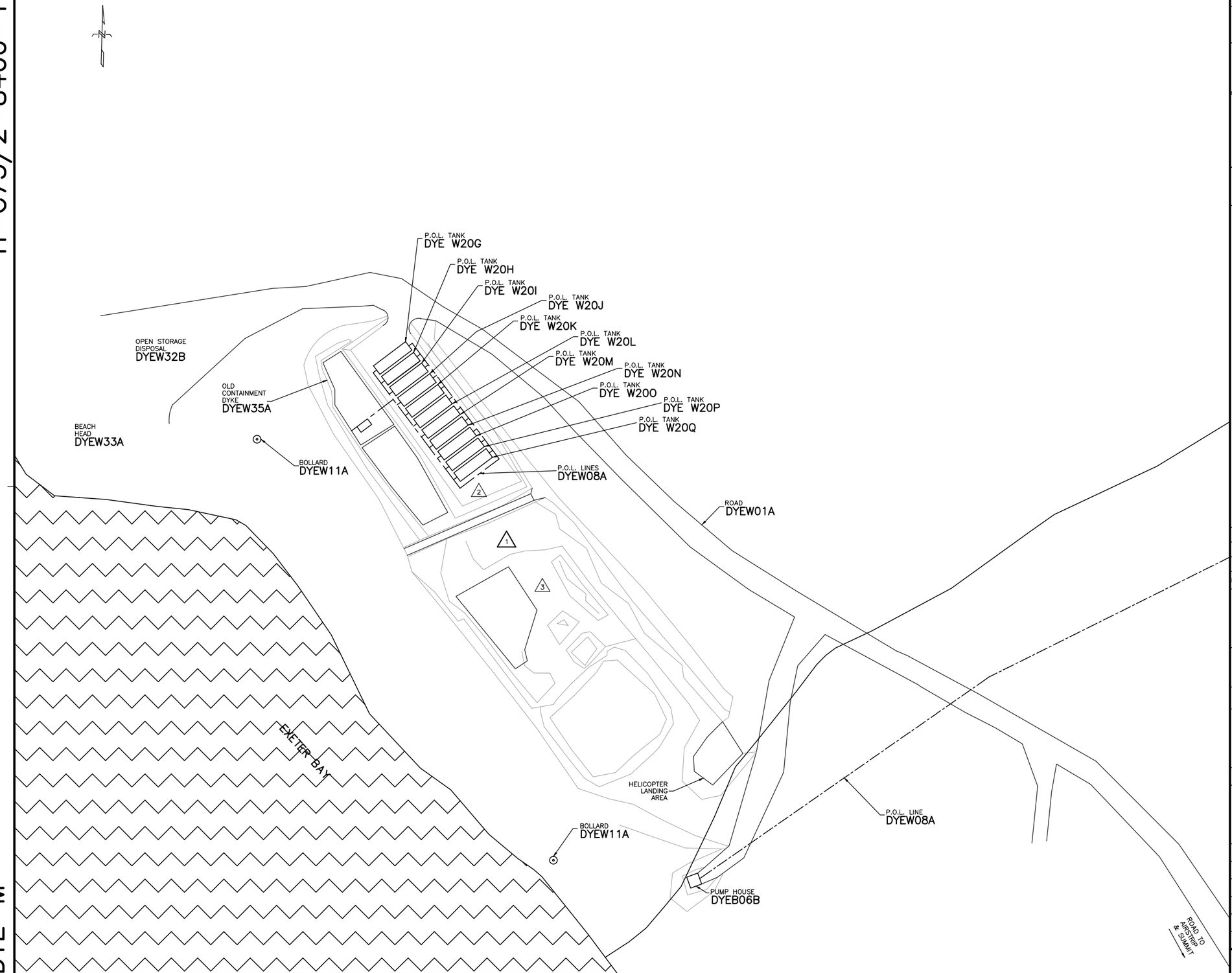
SUBJECT - SUJET
SUMMIT
LOCID PLAN

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

DWG. NO. - DESSIN NO.
H - C75/2 - 8400 - 107

Canada

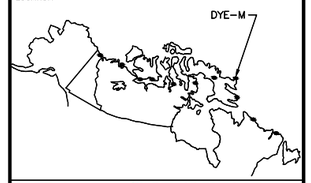
H-C75/2-8400-108



National Defence / Défense nationale

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

LOCATION



Raytheon Canada Limited

LEGEND:

- WATER/LAKE
- POL LINE
- ROADWAY 3
- STREAM

No.	DATE	REVISION / RÉVISION	DRN.	APPR.
3	29 APR 10	REV AS PER REDLINES	J.G.	K.J.
2	12 NOV 03	REVISED AS PER DM-66019	F.P.	
1	19 DEC 02	REVISED AS PER NQ-20066	K.R.	

10 0 10 20 30 40 metres / mètres

SCALE - ÉCHELLE
1:500

PROJECT - PROJET
CM-66431

LONG RANGE RADAR SITE

DYE-M

CAPE DYER — NUNAVUT

TRADE - MÉTIER: SITING — DATE: 03 APR 02

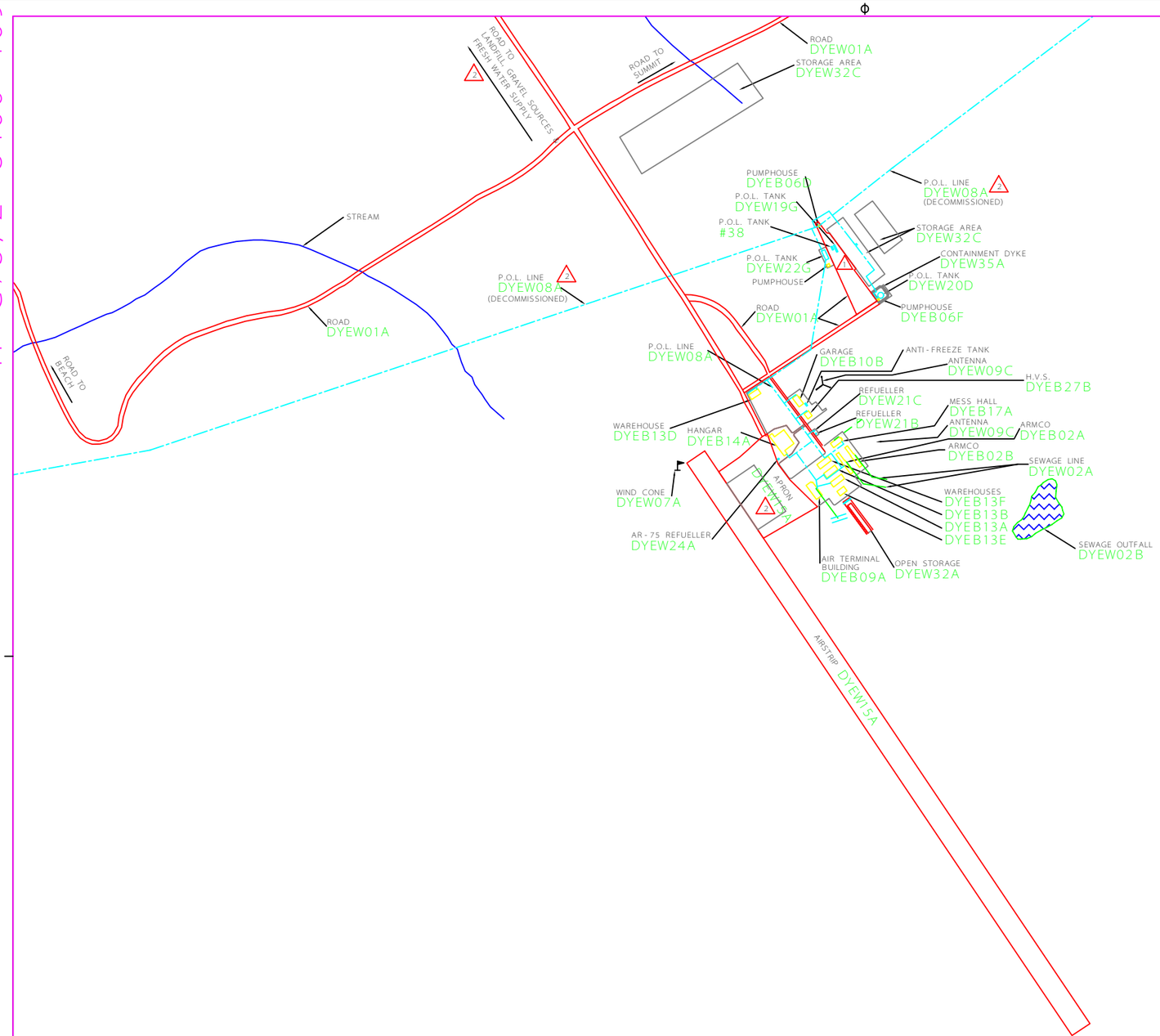
SUBJECT - SUJET
BEACH
LOCID PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED / ÉTUDIÉ	FIRE MARSHAL / PRÉVÔT DU SERVICE DES INCENDIES
DRAWN / DESSINÉ K.R.	
CHECKED / VÉRIFIÉ T.R.	NWSO ENGINEERING OFFICER / OFFICIER DU GÉNIE BSAN
COORDINATION	NWSO FACILITIES ENGINEER / GÉNIE DES INSTALLATIONS BSAN

DWG. NO. - DESSIN NO.
H-C75/2-8400-108

Canada

H - C75/2 - 8400 - 109



DYE - M

National Défense
Defence nationale

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

LOCATION

Raytheon Canada Limited

LEGEND:

- POL LINE
- ROADWAY
- STREAM
- 2

No.	DATE	REVISION	REVISION	DRN.	APPR
2	29 APR 10	REV AS PER REDLINES		J.G.	L.J.
1	19 DEC 02	REVISED AS PER NQ-20066		K.R.	

SITE RECORD DRAWING

80 0 80 120 240 320 metres mètres

SCALE - ÉCHELLE
1 : 4000

PROJECT - PROJET
CM - 66431

LONG RANGE RADAR SITE

DYE - M

CAPE DYER NUNAVUT

TRADE - MÉTIER: SITING
DATE: 03 APR 02

SUBJECT - SUJET
AIRSTRIP
LOCID PLAN

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

DWG. NO. - DESSIN NO.
H - C75/2 - 8400 - 109

Canada