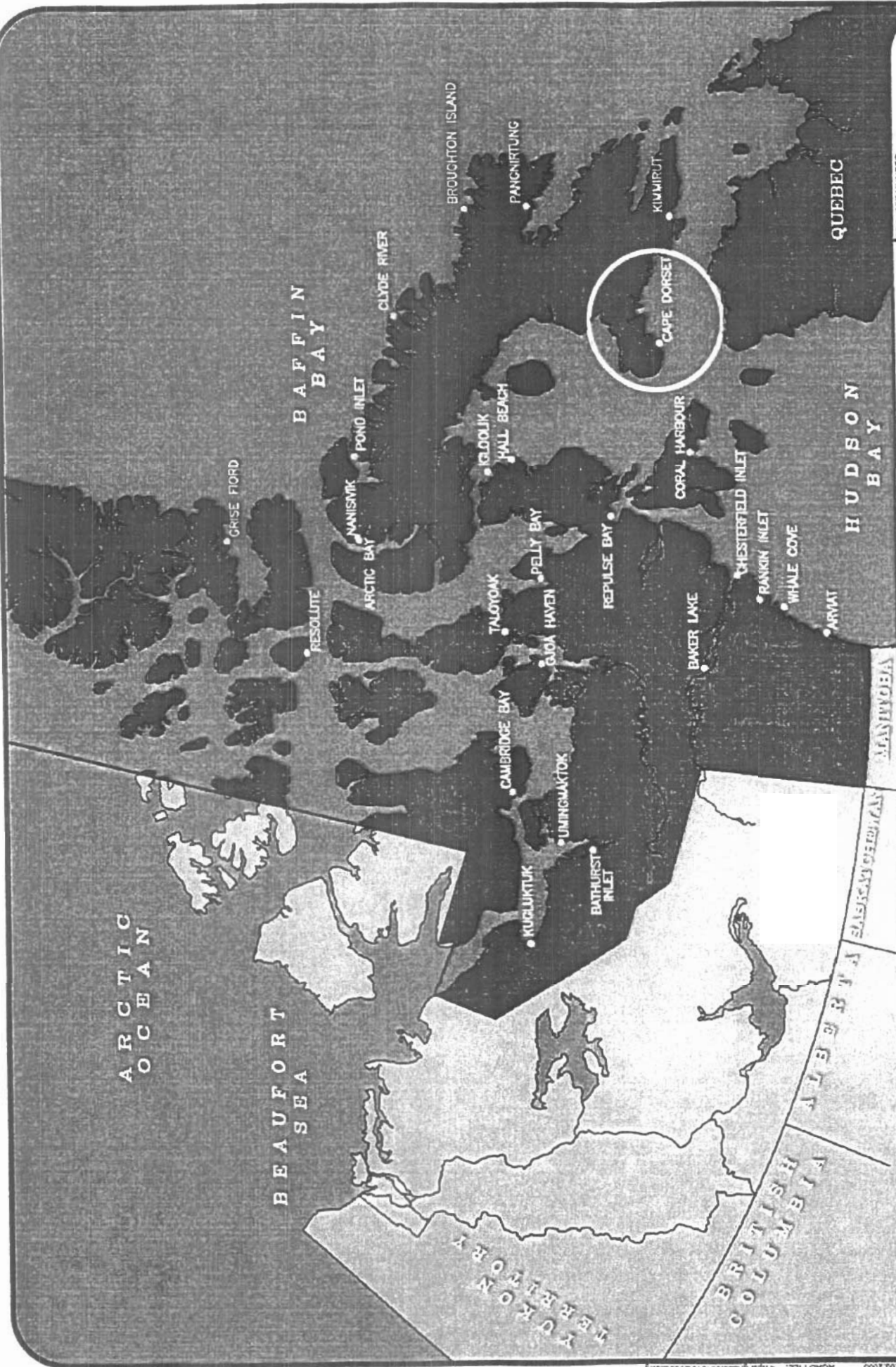

APPENDIX A

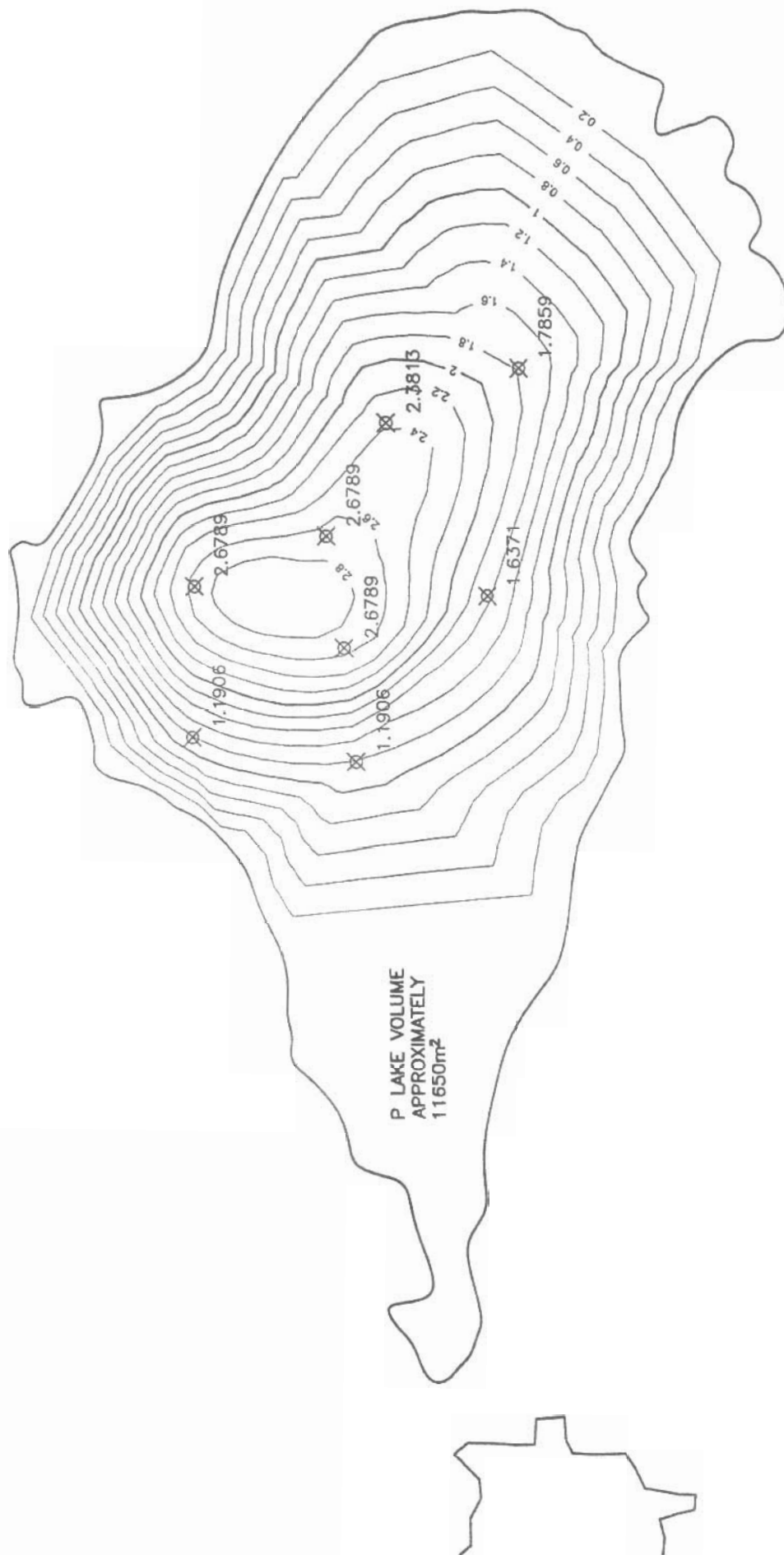
FIGURES



 DILLON CONSULTING	PROJECT Cape Dorset Sewage Treatment System	PROJECT NUMBER 05-4319-2000
	TITLE Cape Dorset Location Plan	DATE May 05 FIGURE NUMBER A



SCALE 1:1000



P LAKE VOLUME
APPROXIMATELY
11650m³

NOTE: ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

 DILLON CONSULTING	PROJECT Cape Dorset Sewage Treatment System	PROJECT NUMBER 05-4319-2000
	TITLE Bathymetry of Lake - P	DATE May 05
		FIGURE NUMBER C

LEGEND

- 450m BUFFER
- DRAINAGE WATER SHED TROUGH
- COMMUNITY
- MAJOR LAND FORM WITH SIGNIFICANT ELEVATION RISE

P LAKE

WATERSHED TO POTABLE WATER RAW WATER LAKE

Q LAKE

DRAINAGE WATER SHED THROUGH COMMUNITY

450m BUFFER REQUIRED BY HEALTH REGULATIONS

AIRPORT GRANULAR RESOURCE STOCK PILE

NOT TO SCALE

PROJECT

Cape Dorset Sewage Treatment System

PROJECT NUMBER 05-4319-2000

DATE

June 05

TITLE

Constraint Map - Community Water Shed and 450m Setback

FIGURE NUMBER

D





EDIT DATE: 30.05.2005 ACAD FILE: 4117m g:\cda\054319\2000a.dwg



PROJECT

**Cape Dorset
Sewage Treatment System**

TITLE

Proposed Lagoon and Road

PROJECT NUMBER

05-4319-2000

DATE

June 05

FIGURE NUMBER

E

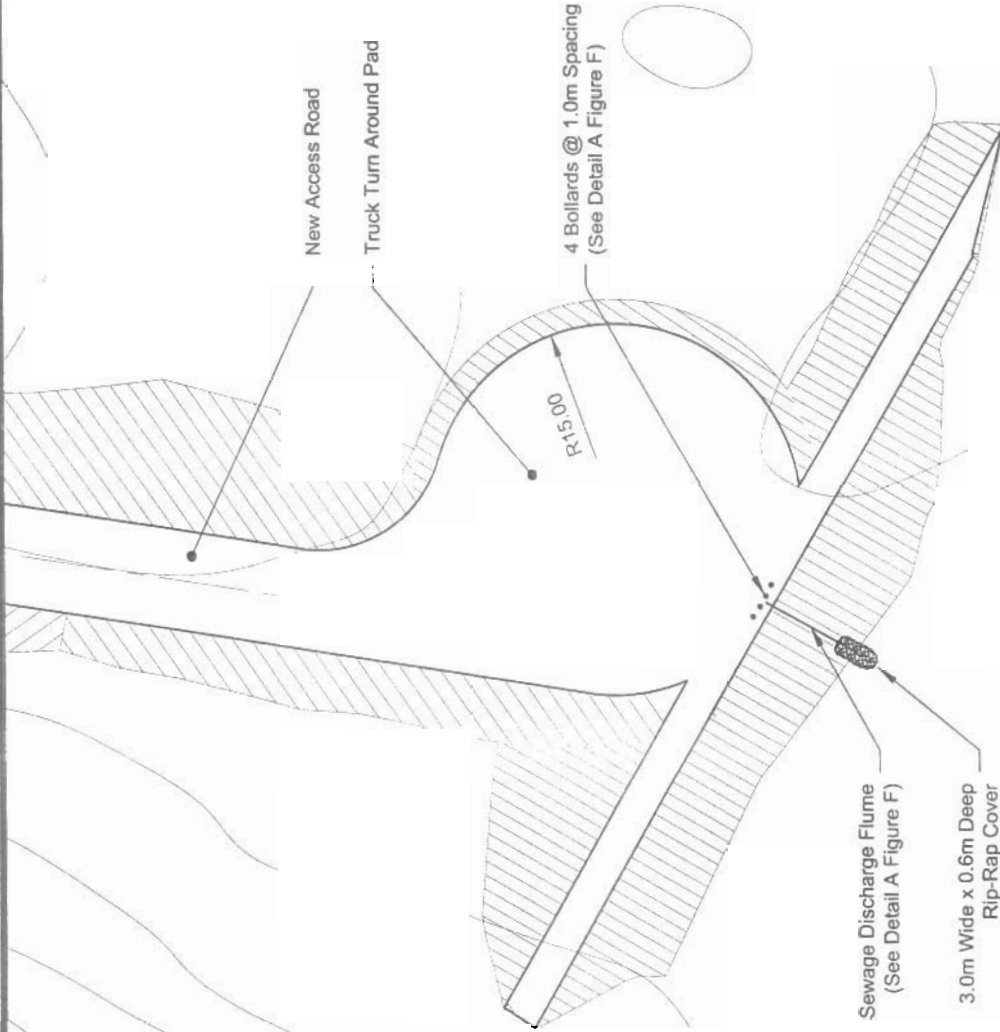


PROJECT

PROJECT NUMBER 05-4319-2000
 DATE June 05
 FIGURE NUMBER F

Cape Dorset
 Sewage Treatment System

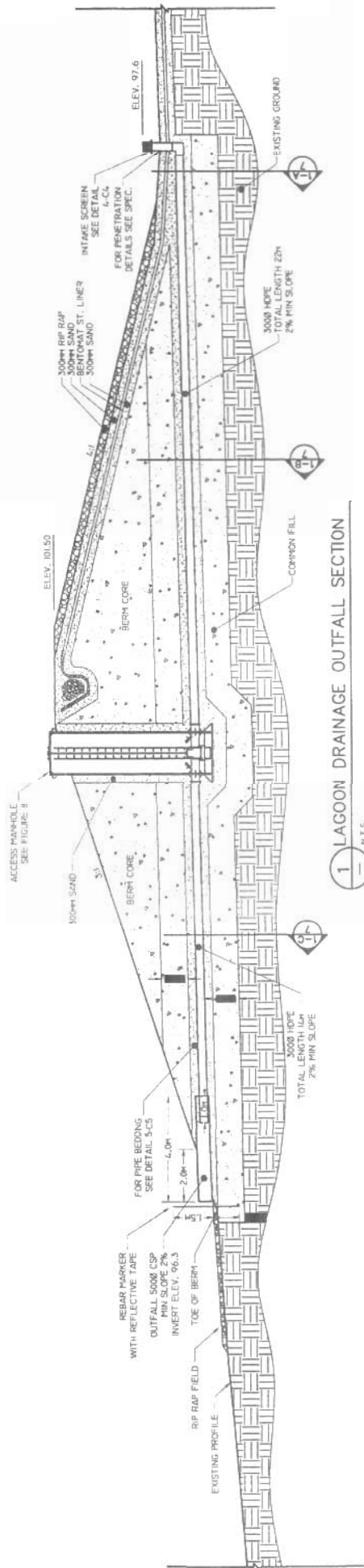
Truck Turn Around Pad and Discharge Flume



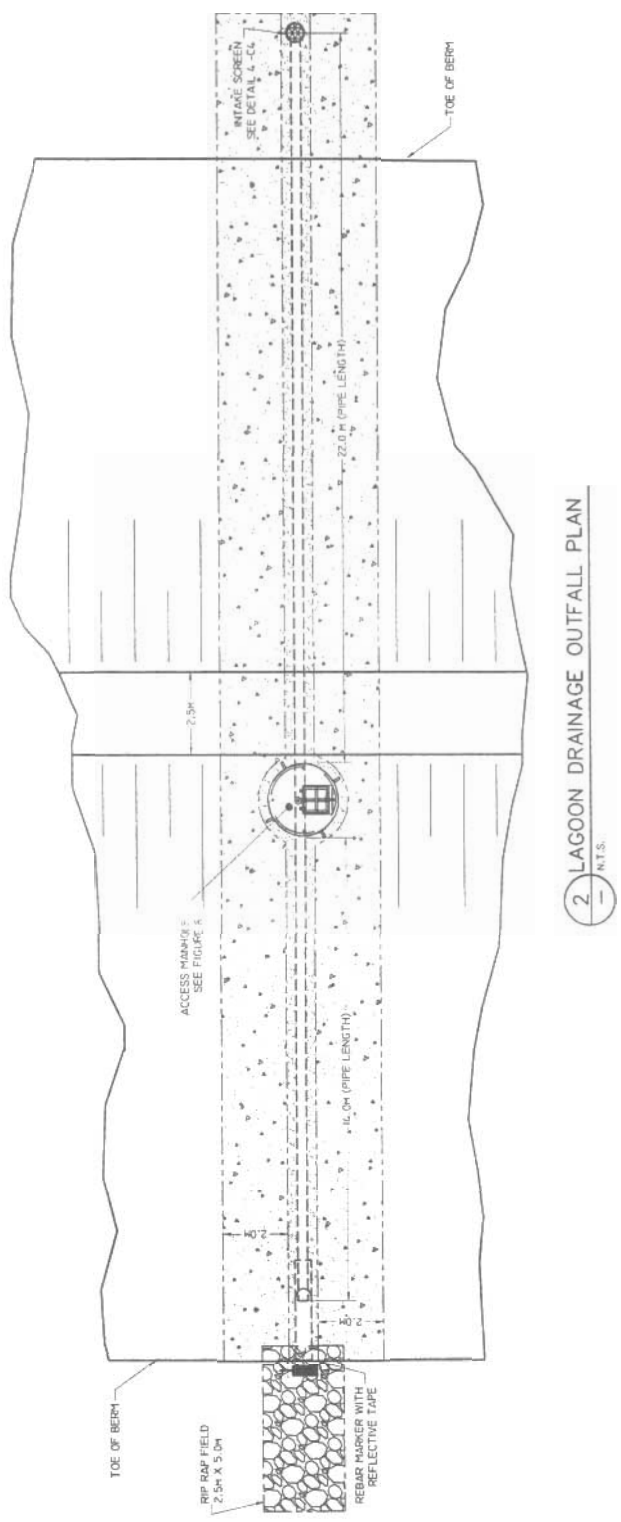
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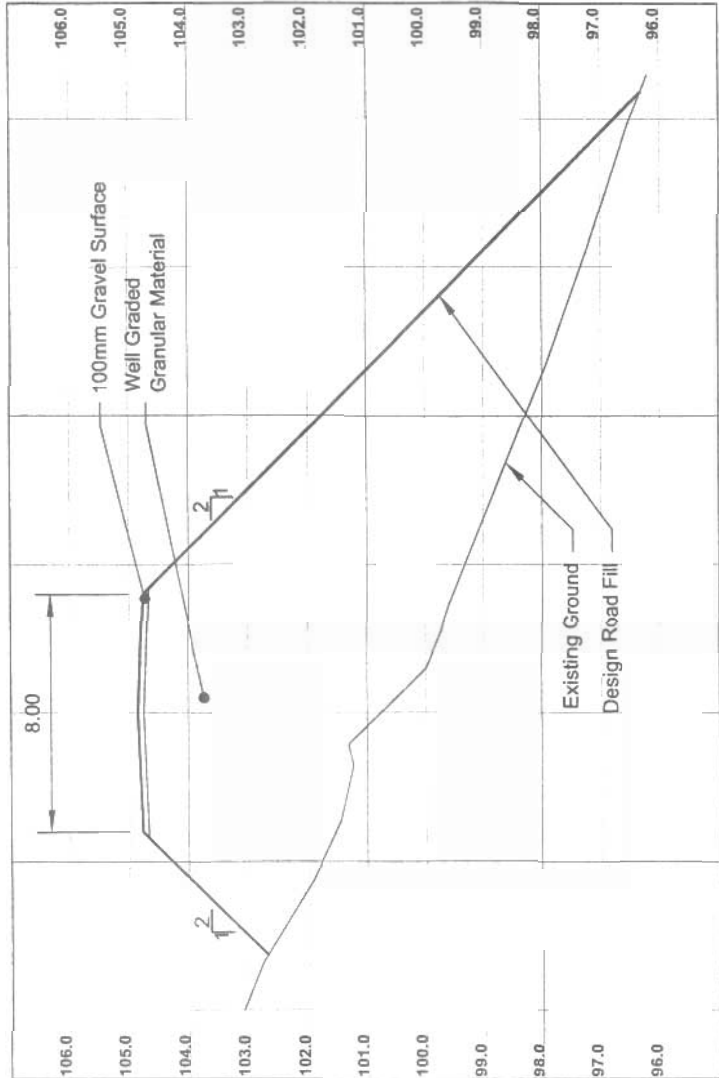


1 LAGOON DRAINAGE OUTFALL SECTION
N.T.S.

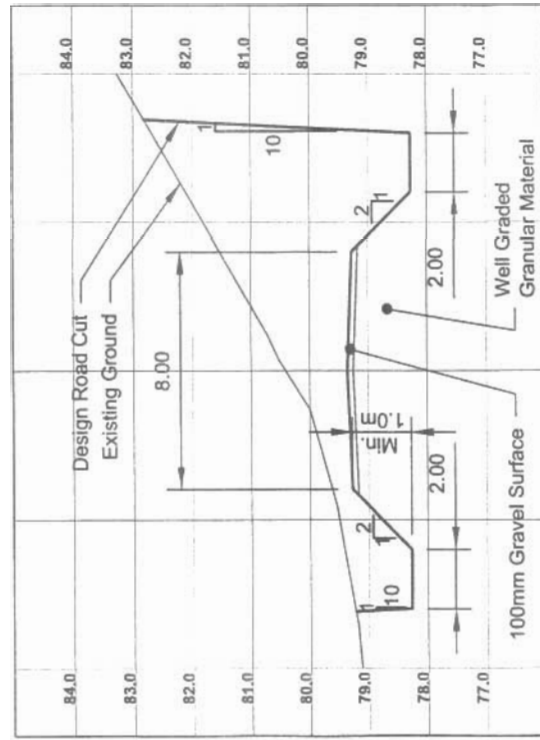


2 LAGOON DRAINAGE OUTFALL PLAN
N.T.S.

	PROJECT Cape Dorset Sewage Treatment System Effluent Discharge System	PROJECT NUMBER 05-4319-2000 DATE June 05 FIGURE NUMBER H



Typical Road Section
Fill Area



Typical Road Section
Cut Area



PROJECT
Cape Dorset
Sewage Treatment System

PROJECT NUMBER
05-4319-2000

DATE
June 05

TITLE
Typical Road Sections

FIGURE NUMBER
J

APPENDIX B

STAKEHOLDER CONSULTATION

Cape Dorset Sewage Treatment System – Agencies Contacted With Regard to Feasibility of Using P Lake Lagoon System

Regulatory Agency	Date	Phone Number	Contact	Comment
Department of Fisheries and Oceans (DFO)	March 17, 2005	Ph. 867-979-8007 Fx. 867-979-8039 GordanierT@DFO-MPO.GC.CA	Tania Gordanier <i>Habitat Biologist</i>	- Authorization under section 35 (2) of the Fisheries Act - Policy of Net Gain, compensate for lost habitat. Must include a work plan describing area to be enhanced and monitoring program. - Engineering drawings should be included with position letter. Traditional knowledge is always beneficial as well. - DFO will need to assess any stream crossings that might occur during construction of road to P Lake - Once application is made to DFO they will initiate the CEA screening process under the Canadian Environmental Assessment Act.
Department of Health and Social Services	March 17, 2005	Ph. 867-975-4817 Fx. 867-975-4830	Wanda Joy <i>Public Health Officer</i>	- There is no application required, but the construction must meet the guidelines set out under the Public Health Act: <i>Public Sewage Systems Regulations</i> - They require that a copy of the work plan and associated drawings be sent to them
Environment Canada (EC)	March 18, 2005	Ph. 867-6694730	Craig Broome <i>Head Enforcement</i>	- There are no requirements from the enforcement division right now. - Should contact Colette Meloche in Iqaluit

Agency	Date	Phone Number	Contact	Comment
Environment Canada (EC)	March 21, 2005	Ph. 867-975-4639 Fx. 867-975-4645	Colette Meloche <i>Environmental Assessment Specialist</i>	- EC will get involved once the application to DFO and the NWB has been submitted. - Enforcement officers will be notified of the situation and will complete inspections once work is initiated - There are no permits or approvals required from EC at this time
Department of Indian and Northern Affairs (DIAND)	March 21, 2005	Ph. 867-975-4298 Fx. 867-975-6445	Constantine Bodykevich <i>Water Resources Officer</i>	- Requirement to meet CCME guidelines re: Discharge into Salt Water - DIAND will review work plan once application to NWB has been submitted

APPENDIX C

POPULATION STATISTICS

Nunavut: Community Population Projections

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Nunavut	27,688	28,410	29,154	29,885	30,601	31,317	32,036	32,774	33,530	34,311	35,114
Arctic Bay	730	747	763	782	801	819	837	855	876	894	916
Arviat	1,690	1,736	1,784	1,833	1,883	1,929	1,982	2,033	2,088	2,142	2,198
Baker Lake	1,470	1,501	1,534	1,563	1,594	1,624	1,655	1,683	1,712	1,745	1,777
Bathurst Inlet	X	X	X	X	X	X	X	X	X	X	X
Bay Chimo	X	X	X	X	X	X	X	X	X	X	X
Cambridge Bay	1,418	1,449	1,484	1,517	1,550	1,581	1,609	1,642	1,679	1,715	1,752
Cape Dorset	1,213	1,240	1,268	1,298	1,327	1,354	1,382	1,412	1,441	1,471	1,501
Chesterfield Inlet	372	382	391	401	409	420	431	443	452	465	476
Clyde River	771	789	812	830	848	867	890	913	937	959	982
Coral Harbour	845	865	888	911	933	955	978	1,003	1,024	1,049	1,078
Gjoa Haven	984	1,005	1,023	1,045	1,063	1,084	1,102	1,117	1,136	1,154	1,173
Grise Ford	145	146	147	146	146	147	149	151	151	153	155
Hall Beach	635	656	677	696	714	734	754	771	790	810	829
Igloolik	1,379	1,417	1,456	1,495	1,529	1,562	1,594	1,627	1,660	1,701	1,736
Iqaluit	4,762	4,930	5,108	5,278	5,438	5,606	5,768	5,936	6,108	6,289	6,477
Kimirut	450	461	474	485	496	506	519	530	546	560	573
Kugaaruk	582	601	616	631	648	664	682	701	719	737	756
Kugluktuk	1,389	1,422	1,456	1,490	1,522	1,556	1,585	1,618	1,653	1,686	1,720
Nanisivik	230	225	224	226	225	223	222	220	221	221	220
Pangnirtung	1,506	1,539	1,575	1,613	1,651	1,687	1,722	1,756	1,792	1,831	1,870
Pond Inlet	1,314	1,361	1,405	1,443	1,489	1,532	1,574	1,624	1,668	1,714	1,761
Qikiqtarjuaq	522	537	551	566	582	599	614	629	641	654	668
Rankin Inlet	2,277	2,327	2,376	2,432	2,483	2,527	2,576	2,629	2,683	2,734	2,791
Repulse Bay	615	630	648	664	682	702	720	738	757	777	797
Resolute Bay	243	246	247	249	251	253	252	255	257	260	263
Sanikiluaq	702	722	740	758	776	796	816	834	853	873	896
Taloyoak	804	825	847	866	886	904	925	947	968	992	1,016
Whale Cove	312	321	328	336	344	351	358	367	378	388	397

Notes: Population projections produced by Statistics Canada and the Nunavut Bureau of Statistics include people in the population who are residents of Nunavut and do NOT have a home elsewhere in Canada from which they are temporarily absent. Therefore, temporary residents such as construction crews, residents in mining camps, etc. are not included in the population projections.

Data are suppressed for (a) communities with a population of 50 or less and (b) 'unorganized areas' -- but they are included in the Nunavut total.

Nunavut: Community Population Projections

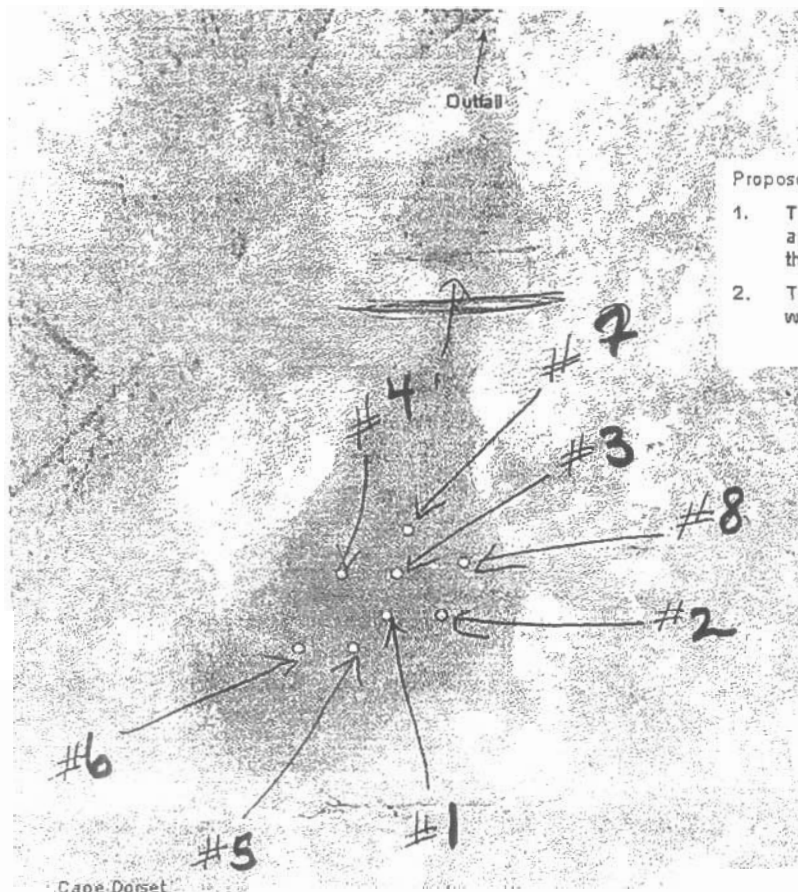
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Nunavut	35,114	35,937	36,773	37,619	38,471	39,335	40,217	41,106	42,001	42,904	43,824
Arctic Bay	916	939	960	980	1,003	1,019	1,033	1,049	1,065	1,078	1,094
Arviat	2,198	2,256	2,320	2,381	2,449	2,517	2,584	2,658	2,721	2,791	2,855
Baker Lake	1,777	1,808	1,843	1,882	1,918	1,957	1,996	2,036	2,072	2,108	2,148
Bathurst Inlet	X	X	X	X	X	X	X	X	X	X	X
Bay Chimo	X	X	X	X	X	X	X	X	X	X	X
Cambridge Bay	1,752	1,790	1,828	1,865	1,900	1,939	1,979	2,018	2,057	2,095	2,137
Cape Dorset	1,501	1,536	1,570	1,600	1,632	1,662	1,692	1,726	1,757	1,793	1,829
Chesterfield Inlet	476	486	498	509	519	528	539	549	563	572	583
Clyde River	982	1,007	1,028	1,050	1,072	1,095	1,121	1,144	1,167	1,190	1,214
Coral Harbour	1,078	1,101	1,128	1,158	1,187	1,219	1,250	1,281	1,312	1,345	1,376
Gjoa Haven	1,173	1,194	1,217	1,242	1,266	1,290	1,317	1,345	1,375	1,405	1,435
Grise Ford	155	157	160	160	163	165	166	168	169	172	173
Hall Beach	829	850	870	890	912	934	957	982	1,008	1,029	1,052
Igloolik	1,736	1,773	1,807	1,842	1,883	1,922	1,960	2,001	2,043	2,086	2,131
Iqaluit	6,477	6,669	6,866	7,064	7,276	7,456	7,637	7,814	7,997	8,178	8,391
Kimmiut	573	589	601	612	624	636	649	662	675	688	706
Kugaaruk	756	779	802	823	844	867	889	911	934	957	979
Kugluktuk	1,720	1,760	1,793	1,827	1,859	1,893	1,928	1,965	2,000	2,041	2,076
Nanisivik	220	218	215	215	209	205	202	200	196	195	191
Pangnirtung	1,870	1,905	1,955	1,995	2,032	2,074	2,117	2,160	2,202	2,243	2,280
Pond Inlet	1,761	1,808	1,851	1,904	1,951	1,999	2,047	2,093	2,137	2,184	2,233
Qikiqtarjuaq	668	683	697	711	724	737	752	765	780	795	811
Rankin Inlet	2,791	2,848	2,907	2,970	3,030	3,120	3,213	3,314	3,429	3,537	3,633
Repulse Bay	797	818	838	858	881	903	928	949	970	990	1,012
Resolute Bay	263	266	269	270	272	275	279	281	283	287	288
Sanikiluaq	896	918	939	963	987	1,008	1,029	1,050	1,069	1,090	1,108
Taloyoak	1,016	1,039	1,065	1,094	1,119	1,147	1,179	1,209	1,236	1,265	1,294
Whale Cove	397	405	412	422	432	442	450	458	469	481	491

Notes: Population projections produced by Statistics Canada and the Nunavut Bureau of Statistics include people in the population who are residents of Nunavut and do NOT have a home elsewhere in Canada from which they are temporarily absent. Therefore, temporary residents such as construction crews, residents in mining camps, etc. are not included in the population projections.

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APPENDIX D

P LAKE BATHYMETRY AND VOLUME



Proposed Drill Points:

1. The yellow spots indicate the approximate locations for drilling through the ice
2. The depth of the ice and water will be required.

P Lake

Depth of Ice

Depth of water

Total Depth from Top to Bottom

①	4'	5'	9'
②	4'	5'	9'
③	4'	5'	9'
④	4'	1.5'	5.5'
⑤	4'	4'	8'
⑥	4'	2'	6'
⑦	4'	Ø	4'
⑧	4'	Ø	4'