

**APPLICATION FOR APPROVAL OF THE USE OF
WATER OR DEPOSIT OF WASTE WITHOUT A
LICENCE**

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IIAIP – Iqaluit International Airport Improvement Project

August 12th, 2014

COVER PAGE



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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR APPROVAL FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

Refer to the Guide to the Approval for the Use of Water or Deposit of Waste Without a Licence
(Guide) in completing this Application.

APPLICATION NO: (for NWB use only)	
1. APPLICANT CONTACT INFORMATION Bouygues-Sintra Joint-Venture 4984, Place de la Savane Montréal, Qc H4P 2M9 Phone: 514 341-5331 Fax: 514 341-3915 e-mail: c.matha@bouygues-construction.com (Certificate of Incorporations, Appendix-E)	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION Bouygues-Sintra Joint-Venture 4984, Place de la Savane Montréal, Qc H4P 2M9 Phone: 514 341-5331 Fax: 514 341-3915 e-mail: mboulianne@sintra.ca (Attach authorization letter, Appendix-F)
3. NAME OF THE OWNER OF THE LAND THAT WILL BE USED IN RELATION TO THE WATER TO BE USED OR THE WASTE TO BE DEPOSITED <i>Government of Nunavut</i>	
4. NAME OF PROJECT <i>Iqaluit International Airport Improvement Project (IIAIP)</i>	
5. LOCATION OF UNDERTAKING Project Extents (decimal degree format) NW: Latitude: (63° 45' 57.1" N) Longitude: (68° 34' 44.6" W); UTM 19 V 520761 7070993 NE: Latitude: (63° 45' 56.5" N) Longitude: (68° 31' 57.8" W); UTM 19 V 522299 7070184 SE: Latitude: (63° 45' 30.6" N) Longitude: (68° 32' 52.8" W); UTM 19 V 523061 7069132 SW: Latitude: (63° 45' 14.8" N) Longitude: (68° 33' 11.3" W); UTM 19 V 522049 7069692	

Camp Location(s) (decimal degree format)

N/A

Name of the Water Management Area in which the Undertaking is located.

Carney Creek, city of Iqaluit

6. CLASSIFICATION OF UNDERTAKING

- | | |
|---------------------------------------|--|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Mining | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Conservation | <input type="checkbox"/> Power |
| <input type="checkbox"/> Municipal | <input checked="" type="checkbox"/> Other: |

Temporary diversion of the Carney Creek and installation of an arch-culvert on +/- 250 meters and permanent realignment of the Carney Creek on +/- 450 meters upstream from the culvert. This last redirection will be done in proximity of the original path at +/- 15 meters.

7. DESCRIPTION OF UNDERTAKING AND EQUIPMENT USED

Engineering work:

250 meters closed Culvert installation and 450 meters running ditch realignment

- A culvert of 250 meter will be installed at the level of the existing ditch and it will be buried between 1.2 and 2.2 meters under the future airport terminal building (ATB) parking lot. During this installation, a temporary realignment will be done to divert the ditch's water. This realignment will be done approximately 15 meters parallel to the running ditch.

- The 450 meters long realignment of the running ditch will be done directly upstream of this culvert 10 meters (on average) parallel to the original ditch, following the new road that will be built (North commercial road).

Culvert: arch culvert, 2.1m in height and 3.4 m in width, which is in corrugated steel. As this culvert comes in multi-plates, it will be assembled on site.

Equipment: Excavators, transportation trucks

Method: once the water is diverted to the temporary ditch, earthworks will follow to prepare and shape the bottom of excavation for the future location of the culvert. Meanwhile, the culvert will be assembled, by sections of 10-15meters on a platform close to the site and then will be installed and laid down at its final location. See site plan CC-105 and CC-206 in (Appendix-G).

8. SCHEDULE

Proposed Start Date: August 2014

Proposed Completion Date: August 2015

9. TYPE OF USE OF WATER WITHOUT A LICENCE PROPOSED

- ☒ For an undertaking other than a Power undertaking and for a use of water related to the construction of a structure across a watercourse that is less than 5 metres wide at the ordinary high water mark at the point of construction.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of an intermittent watercourse.
- ☐ For an Industrial undertaking, for an activity related to quarrying and gravel washing, and for any deposit of waste that is not deposited to surface water and that results from quarrying or gravel washing above the ordinary high water mark.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that is less than 5 metres wide at the ordinary high water mark at the point of training.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves the infilling of the watercourse, if the watercourse has no inflow or outflow and a surface area of less than 0.5 hectares.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the training of a watercourse that involves removal or placement of less than 100 m³ of material.
- ☐ For an undertaking other than a Power undertaking and for a use of water related to the construction of a temporary structure in a watercourse for the purpose of flood control.
- ☐ For an undertaking other than a Power undertaking and for any use of water related to the storage of 2,500 m³ or less.
- ☐ For an undertaking other than a Power undertaking and for any use of water less than 50 m³ per day.

10. QUANTITY AND QUALITY OF WATER INVOLVED			
Type of Water Use Indicated in Block 9	Name of Water Source	Estimated quantity of Water to be Used in Cubic metres per day	Periods during which Water will be Extrated
Structure across a watercourse	Carney Creek	Less than 50 m ³ per day*	August, September
*water uses will not substantially affect the quality, quantity or flow of waters			

11. TYPE OF DEPOSIT OF WASTE PROPOSED

I certify that the Nunavut Planning Commission's land use planning requirements under Article 11 of the Nunavut Land Claims Agreement have been met.

☒ Yes
 ☐ No

I certify that the Nunavut Impact Review Board's development impact review requirements under Article 12 of the NLCA have been met.

☒ Yes
 ☐ No

I certify that the proposed water use is of a type set out in column 2 of Schedule 2 of the Regulations that is further specified by column 3, in respect of an undertaking set out in column 1. See list in Block 9.

☒ Yes
 ☐ NA
☐ No

I certify that the proposed deposit of waste is an activity that is set out and then further specified in columns 2 and 3 of Schedule 3 of the Regulations, in respect of an undertaking that is set out in column 1 of Schedule 3. See list in Block 11.

☐ Yes
 ☒ NA
☐ No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of the watercourse whose waters are used.

☒ Yes
 ☐ No

I certify that the proposed water use or deposit of waste will not substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Lands.

☒ Yes
 ☐ No

I certify that the proposed water use or deposit of waste will not affect the use of waters by a person who would be entitled to compensation under sections 58 or 60 of the Nunavut Waters Nunavut Surface Rights Tribunal Act (Act) if their use of these waters were to be adversely affected by an applicant for a licence.

☒ Yes
 ☐ No

I certify that a licence is not required for another use of water, or deposit of waste in respect of the proposed undertaking.

☒ Yes
 ☐ No

I have read and agree to comply with the following conditions outlined in sections 4(3), 5(4), 5(5) and 6 of the Nunavut Waters Regulations:

1. In the case of an applicant who has a mineral right and who intends to use waters or deposit waste in relation to that right, the applicant shall respect the priority conferred on Inuit by section 62 of the *Act* as if that applicant had a licence for the use or deposit.
2. Measures must be taken prior to using water to minimize any alteration to the bed or banks of a watercourse whose waters are to be used, and the measures shall be maintained during the operation of the undertaking.
3. No waste is to be deposited to surface water or within 31 metres of the ordinary high water mark of any body of water.
4. The waste shall not contain more than 15 milligrams per litre of petroleum or petroleum product and must not have a visible hydrocarbon sheen.
5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of water or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the water was used or the waste was deposited.^a
6. An applicant who is authorized under the Regulations to use waters or deposit waste without a licence shall:
 - a. maintain accurate and detailed books and records of:
 - i. the quantity of water, in cubic metres, used each day,
 - ii. the quantity, in cubic metres, of waste deposited each day,
 - iii. the type of waste deposited each day,
 - iv. where the waste is deposited,
 - v. the concentration of the substance, or substances, in the deposited solid or liquid that has the effect of making the deposit waste,
 - vi. the methodology used to calculate or determine the information referred to in items (i) to (iv), and
 - vii. the measures that were taken to avoid or mitigate any adverse impacts of the deposit of waste.
 - b. keep the books and records on the site of the undertaking during the period of its operation and make them available during that period to an inspector on request;
 - c. submit to the Board a report containing a summary description and supporting photographs of the restoration of the site of the undertaking within 30 days after the earliest of (i) the day on which the undertaking is closed or abandoned, and (ii) the last day of the period authorized for the use or deposit without a licence;^b and
 - d. keep the books and records for two years after submitting the report describing the restoration of the site of the undertaking.

Notes:

a) A site need not be restored prior to the end of the period authorized for the water use or deposit of waste without a licence, as required by Item 5, if the Board issues a licence for the use of water or deposit of waste on that site prior to the end of that period.

b) An applicant need not submit the report referred to in Item 6 (c), to the Board if the applicant obtains the Board's approval for a use of water or deposit of waste without a licence, or a licence for a use of water or deposit of waste, on the same site within thirty (30) days after the last day of the period authorized for the use or deposit.

☒ Yes


☐ No

I understand that any approval granted by the Board for the use of water or deposit of waste without a licence will be authorized for a period of one year after the day on which the Board approves the Application. The use or deposit is not authorized until the Board approves the Application and it is only valid as long as the applicant is in compliance with the conditions set out in the declaration above.

☒ Yes

☐ No

I understand that if I have answered "No" to any of the above statements a water licence is required from the Nunavut Water Board prior to the use of water or deposit of waste.

Michel Boulianne	<i>Environmental Advisor</i>		2014/08/11
Name (Print)	Title (Print)	Signature	Date

APPENDIX B

CONDITIONS FOR THE USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

Conditions for the Use of Water or Deposit of Waste without a Licence

General

1. In the case of an Applicant who has a mineral right and who intends to use waters or deposit waste in relation to that right, the Applicant shall respect the priority conferred on Inuit by section 62 of the *Act* as if that Applicant had a licence for the use or deposit.

Water Use

2. Measures must be taken prior to using water to minimize any alteration to the bed or banks of a watercourse whose waters are to be used, and the measures shall be maintained during the operation of the undertaking.

Waste Disposal

3. No waste is to be deposited to surface water or within 31 metres of the ordinary high water mark of any body of water.
4. The waste shall not contain more than 15 milligrams per litre of petroleum or petroleum product and must not have a visible hydrocarbon sheen.

Abandonment and Restoration

5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of water or deposit of waste without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the water was used or the waste was deposited.^a

Record Keeping

6. An Applicant who is authorized under the *Regulations* to use waters or deposit waste without a licence shall:
 - a. maintain accurate and detailed books and records of:
 - i. the quantity of water used each day (in cubic metres),
 - ii. the quantity of waste deposited each day (in cubic metres),
 - iii. the type of waste deposited each day,
 - iv. where the waste is deposited,
 - v. the concentration of the substance(s), in the deposited solid or liquid that has the effect of making the deposit waste,
 - vi. the methodology used to calculate or determine the information referred to in items (i) to (iv), and
 - vii. the measures that were taken to avoid or mitigate any adverse impacts of the deposit of waste.
 - b. keep the books and records on the site of the undertaking during the period of its operation and make them available during that period to an inspector on request;
 - c. submit to the Board a report containing a summary description and supporting photographs of the restoration of the site of the undertaking within 30 days after the earlier of (i) the day on which the undertaking is closed or abandoned, and (ii) the last day of the period authorized for the use or deposit;^b and

- d. keep the books and records for two years after submitting the report describing the restoration of the site of the undertaking.

Notes:

- a) A site need not be restored prior to the end of the period authorized for the water use or deposit of waste without a licence, as required by Item 5, if the Board then issues a licence for the use of water or deposit of waste on that site prior to the end of that period.
- b) An Applicant need not submit to the Board the report referred to in Item 6 (c) if the Applicant obtains either (i) the Board's approval for a use of water or deposit of waste without a licence, or (ii) a licence for a use of water or deposit of waste on the same site, within thirty (30) days after the last day of the period authorized for the use or deposit without a licence.

APPENDIX C

CLASSIFICATION OF UNDERTAKINGS

Classification of Undertakings

Item	Type of Undertaking	Classification of Undertaking
1	Industrial undertaking	Manufacturing processes, hydrostatic testing, quarrying and gravel washing, petroleum and gas exploration, the production, processing, refining or storage of petroleum, petroleum products or gas, cooling systems, food processing, tanneries, the smelting or refining of minerals, metal finishing, the restoration of the site of an industrial undertaking and any other industrial activity.
2	Mining undertaking	The exploration or prospecting for, or the bulk sampling of, minerals other than petroleum or gas, the operation of a mine, the processing of minerals other than petroleum or gas, the restoration of the site of a mine and any other mining activity other than an industrial activity described above.
3	Municipal undertaking	A waste disposal or water system for a municipality
4	Power undertaking	Authorized hydro, geothermal or nuclear electrical generation of
	(a) Class 0	150 or fewer kilowatts per day
	(b) Class 1	More than 150 kW but less than 5 000 kW per day
	(c) Class 2	5 000 or more kilowatts but less than 10 000 kW per day
	(d) Class 3	10 000 or more kilowatts but less than 20 000 kW per day
	(e) Class 4	20 000 or more kilowatts but less than 50 000 kW per day
	(f) Class 5	50 000 or more kilowatts but less than 100 000 kW per day
	(g) Class 6	100 000 or more kilowatts per day
5	Agricultural undertaking	Nourishing crops or providing water for livestock
6	Conservation undertaking	Works for the preservation, protection or improvement of the natural environment
7	Recreational undertaking	A commercial or public recreational development, including camps and tourist lodges
8	Other undertaking	Research projects and any undertaking other than an undertaking set out in any of items 1 to 7.

APPENDIX D

WATER MANAGEMENT AREAS

1. Seal Watershed
2. Thlewiaza Watershed 3. Geillini Watershed
4. Tha-anne Watershed 5. Thelon Watershed
6. Dubawnt Watershed 7. Kazan Watershed
8. Baker Lake Watershed 9. Quoich Watershed
10. Chesterfield Inlet Watershed 11. Maguse Watershed
12. Ferguson Watershed 13. Wilson Watershed 14. Lorillard Watershed
15. Wager Bay Watershed
16. Hudson Bay Islands Watershed (includes all the islands within Hudson Bay and James Bay that are not part of Manitoba, Ontario or Quebec)
17. Northern Southampton Island Watershed 18. Repulse Bay Watershed
19. Barrow Watershed 20. Kingora Watershed 21. Gifford Watershed
22. MacDonald Watershed
23. Prince Charles Island Watershed 24. Koukdjuak Watershed
25. Aukpar Watershed
26. Great Bear Watershed
27. Amundsen Gulf Watershed 28. Coppermine Watershed 29. Coronation Gulf Watershed
30. Queen Maud Gulf Watershed 31. Back Watershed
32. Back-Hayes (Nunavut) Watershed 33. Rasmussen Basin – Larsen Sound Watershed
34. Gulf of Boothia Watershed
35. Northwestern Victoria Island Watershed 36. Hadley Bay Watershed
37. Eastern Victoria Island Watershed 38. Southern Victoria Island Watershed 39. Prince Albert Sound Watershed
40. Minto Inlet Watershed
41. King William Island Watershed 42. Western Prince of Wales Island Watershed
43. Eastern Prince of Wales Island Watershed
44. Western Somerset Island Watershed 45. Eastern Somerset Island Watershed 46. Western Brodeur Peninsula Watershed 47. Admiralty Inlet Watershed
48. Eclipse Sound Watershed
49. Southwestern Baffin Bay Watershed 50. Northwestern Davis Strait Watershed

51. Northern Cumberland Sound Watershed 52. Southern Cumberland Sound Watershed 53. Frobisher Bay Watershed
54. Melville Island Watershed
55. Bathurst and Cornwallis Islands Watershed
56. Western Devon Island Watershed 57. Eastern Devon Island Watershed 58. Sverdrup Islands Watershed
59. Nansen and Eureka Sounds Watershed 60. Greely Fiord Watershed
61. Arctic Ocean and Lincoln Sea Watershed
62. Northeastern Ellesmere Island Watershed
63. Southeastern Ellesmere Island Watershed
64. South Ellesmere Island Watershed 65. Hudson Strait Watershed (North and West)(includes all the islands in the area that are not part of Quebec)

Appendix-E – Certificate of Incorporations



REZ-130 (2010-10)

Certificat d'attestation

Loi sur la publicité légale des entreprises (RLRQ, chapitre P-44.1)

J'atteste que

SINTRA INC.

- est immatriculée depuis le 30 avril 1996 .
- n'est pas en défaut de déposer une déclaration de mise à jour annuelle.
- n'est pas en défaut de se conformer à une demande qui lui a été faite en vertu de l'article 73.
- n'est pas en voie de dissolution.
- n'est pas radiée.

Numéro de certification : 935838914

Le numéro de certification ci-dessus vous permet de consulter en tout temps ce document certifié à partir du service en ligne « Vérifier un numéro de certification » du Registraire des entreprises.



Revenu Québec

Déposé au registre le 14 avril 2014 sous le
numéro d'entreprise du Québec 1145755295.

Bernel Simard
Registraire des entreprises

004001

Appendix-G – Authorization Letter

Nunavut Water Board Licensing Process

June 25th, 2014

Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut
X0B 1J0
Phone: (867) 360-6338
Fax: (867) 360-6369

Object: Authorization Letter

To whom it may concern,

I, Geoffroy Lécureur, stand as Sintra Inc. Director who represents the company that applies for the water license for the Iqaluit International Airport Improvement Projects.

We hereby authorize Michel Boulianne, our environmental advisor, to be our representative for the licensing process with the Nunavut Water Board on the Iqaluit International Airport Improvement Project.

Hoping everything is to your satisfaction.

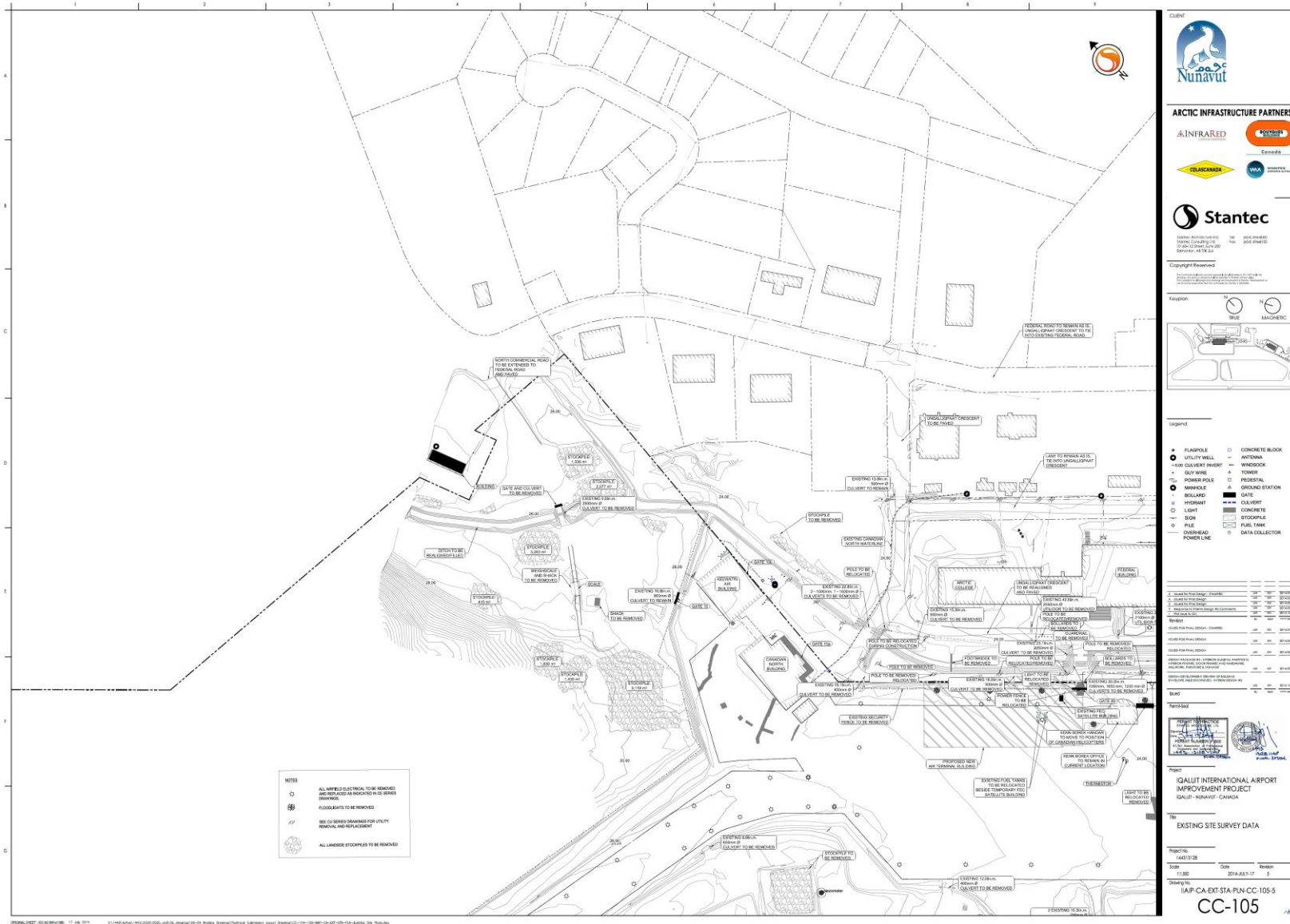
Best regards,

Sintra Inc. Director,



Geoffroy Lécureur, ing.
2700 Jean-Perrin, local 350
Québec, Qc G2C 1S9
Phone: (418) 527-5643
Fax: (418)-527-5603

Appendix-G –



NUNAVUT WATER BOARD
APPLICATION FOR APPROVAL FOR THE USE OF WATER OR
DEPOSIT OF WASTE WITHOUT A LICENCE

IIAIP, August 2014

