

PROJECT NUMBER:

EMISSION DATE:

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NATURAL RESSOURCES CANADA Government of canada



733, chemin Jean-Adam, Piedmont (Québec) JOR 1R3 T 450 227 1857 info@equipelaurence.ca **| equipelaurence.ca**

CANMET ENERGY GEOTHERMY

206-0103

2021/04/26

1.0 GENERAL SPECIFICATIONS

1.1 CONSTRUCTION AND REPAIRS

The general technical clauses are defined in the part 2 and 3 of "CAHIER DES CHARGES ET DEVIS GÉNÉRAUX - INFRASCTRUCTURES ROUTIÈRES -CONSTRUCTION ET RÉPARATION" 2020th edition.

WATERMAIN AND SEWERS CONSTRUCTION 1.2

The general technical clauses related to watermain and sewers construction are defined in the BNO 1809-300/2018.

1.3 TERMINOLOGY

Dans le cahier des charges et devis généraux du ministère des Transports du Québec, le terme ministère doit être remplacé par maître de l'ouvrage ou maître d'œuvre selon le cas

MAÎTRE DE L'OUVRAGE : CONSULTANT :

RESSOURCES NATURELLES CANADA / GOURVENEMENT DU CANADA ÉQUIPE LAURENCE Inc.



GENERAL INFORMATION 2.0

2.1 UNDERGROUND SERVICES

The plans show certain underground installations for the sole purpose to highlight the existence of cables, pipelines and underground structures. In the sectors where work must be performed, the contractor is responsible to verify himself with the competent authorities the existence and actual location of all cables, pipelines and existing underground structures that may affect the works. Before beginning excavations, the contractor must thus contact Info-Excavation, the municipal authorities and all other stake holders in order to identify on the field all existing underground structures whether they are shown on the plans or not. He is responsible for damages to cables, pipelines and underground structures. No cost variation resulting from underground structures not shown or poorly located on the plans can be claimed against the building owner. Following the review of the plans and specifications, the contractor must notify the engineer of any error, omission or discrepancy noted by him before starting work.

2.2 EXISTING WATERMAIN AND SEWER CONDUITS

The location of the watermain and sewer pipes is approximated. The contractor must verify and validate the position and depth of the pipes by th means of meticulous excavation. Should discrepancies be observed, they must be provided to the engineer without delay in order that the required modifications are made to the construction plans. The contractor will have to coordinate with the city, the connecting works to the existing networks (watermain and sewers). No service interruption shall take place without the building owner's autorization or the relevant authorities.

2.3 FINAL PLANS

A series of plans showing all of the changes occuring during construction must be produced and updated by the contractor thorough the whole construction and should be available at all time for consultation on site. At the end of the construction phase, before the provisional acceptance, the contractor must provide the owner with the annotated plans in a CAD format. The provisional acceptance of the work cannot be done before the plans are provided.

2.4 PROTECTION OF THE ENVIRONMENT

The contractor must respect the relevant requirements of the Loi sur la qualité de l'environement (RLRQ Chapter Q-2), the municipal regulations or the directives issued by th owner.

2.5 PROTECTION AGAINST EROSION

In all areas of the building site where there is a risk of erosion, the ground must be stabilized. Runoff water must be interceoted and routed to stabilized areas and this, throughout the construction period. The contractor must use the recognized methods to prevent the transport of sediments.

- Sediment barrier
- Sedimentation pond
- Filtering berm and sediment trap
- Straw bale filter

Any intervention on the building site which may cause the transfer of sediment must be simultaneously accompanied by sediment capture measures.

2.6 DRAINING OF EXCAVATIONS

The contractor shall take all necessary precautions to prevent the penetration of surface waters and evacuate surface, underground or sewer waters. Wastewaters must be directed towards a combined sewer or a sanitary seewer and the surface and underground waters towards a strom sewer, a combined sewer or a ditch. In all cases, the diversion site must be submitted for approval.

The contractor must assume all required pumping and cleaning.

PAVEMENT PROTECTION 2.7

At all times, the movement of machinery and metal tracked vehicles is prohibited on paved surfaces unless plywood sheets with a 20mm normal thickness or rubber with a 12.5mm thickness are used in order to avoid damaging the pavement. All repairs or complete replacements of the pavement and the cost associated are the contractor's responsibility.

2.8 CLEANING OF THE SITE

At the end of the construction works and as often as requested by the project superintendent, the contractor must clean and eliminate all construction generated debris and restore all construction affected areas. The cleaning of the construction site is included in the global market unit prices.

2.9 DEMOLITION AND MANAGEMENT OF THE MATERIAL

The management of removed material and excavated natural granular will be conform to the guidelines provided in the article "Lignes directrices relatives à la gestion de béton, de brique et d'asphalte issus des travaux de construction et de démolition et des résidus du secteur de la pierre de taille" as well as the "Guide de bonnes pratiques pour la gestion des matériaux de démantèlement" by the MELCC.



CIVIL ENGINEERING



GLEGEND	
DITCH CENTER WITH DIRECTION OF THE FLOW	
LOT LIMIT	
FENCE	
UNDERGROUND TELECOMMUNICATION CABLES	
PROPOSED GRASS SURFACE	
EXISTING BUILDING	
CONIFEROUS TREE	
DECIDUOUS TREE	
SHRUB	

PLANS LIST

C-201	GENERAL SPECIFICATION, LEGEND
	AND LOCALISATION PLAN

C-202 GLOBAL VIEW PROPOSED GEOTHERMY SYSTEM

C-203 PLAN VIEW PROPOSED GEOTHERMY SYSTEM STANDARD SECTIONS AND DETAILS

THIS DOCUMENT MUST **NOT BE USED FOR** CONSTRUCTION

FOR PERMIT AND SUBMISSION DESCRIPTION

RÉV

CLIENT:

NATURAL RESSOURCES CANADA GOVERNMENT OF CANADA 1615, BOULEVARD LIONEL-BOULET VARENNES (QUÉBEC) J3X 1P7

CANMET ENERGY GEOTHERMY

INGÉNIERIE CIVIL

733, chemin Jean-Adam, Piedmont (Québec) JOR 1R3 T 450 227 1857 info@equipelaurence.ca | equipelaurence.ca

J.L. 2021/04/2

BY DATE



PLAN TITLE:

GENRAL SPECIFICATIONS, LEGEND AND LOCALISATION PLAN

SCALE:

DRAWN BY

VERIFIED BY

NO SCALE

PROJECT MANAGER G. LAURIN J. LEVESQUE, ing. C-301.dwg FILE 2021/03/15 DATE 206-0103 PROJECT NUMBER

C-301

PLAN NO



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EXISTING DITCH

BOULEVARD LIONEL-BOULET

•22.30

•22.90

IMPLEMENTATION PLAN PREPARED BY NFOE ET ASSOCIÉS ARCHITECTES 01 MAY 2017

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

FOR PERMIT AND SUBMISSION J.L. 2021/04/26 BY DATE DESCRIPTION NATURAL RESSOURCES CANADA GOVERNMENT OF CANADA 1615, BOULEVARD LIONEL-BOULET VARENNES (QUÉBEC) J3X 1P7 PROJECT: CANMET ENERGY GEOTHERMY LAU REN CE 733, chemin Jean-Adam, Piedmont (Québec) JOR 1R3 T 450 227 1857 info@equipelaurence.ca | equipelaurence.ca INGÉNIERIE CIVILE MANNEUR ENGINE JULIEN LEVESQUE 5060504 QUÉBEC 2021-04-28 plan title: GLOBAL VIEW PROPOSED GEOTHERMY SYSTEM

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2021/03/15 Date 206-0103 C-302 PROJECT NUMBER PLAN NO

