



**PERMIT TO PRACTICE**  
 AECOM Canada Ltd.  
 Signature: *[Signature]*  
 Date: June 23, 2020  
**PERMIT NUMBER: P 639**  
 The Association of Professional Engineers and Geophysicists of the NWT/NU.



**PROPOSED MATERIAL HAUL ROUTE**  
 SCALE 1:10,000

APPROX. LOCATION OF BLACK TOP CREEK BORROW PIT - STOCKPILE (APPROX. 7.1 km FROM THE PROJECT SITE)

IMAGE OBTAINED FROM GOOGLE EARTH (2016)

5		
4		
3		
2		
1		
0	ISSUED FOR TENDER	2020/06/19
Revision	Description	Date
Client		client

**Public Works and Government Services Canada**  
 310-269 Main Street, R3C 1B3  
 Winnipeg, MB

Project title: **NUNAVUT EUREKA**

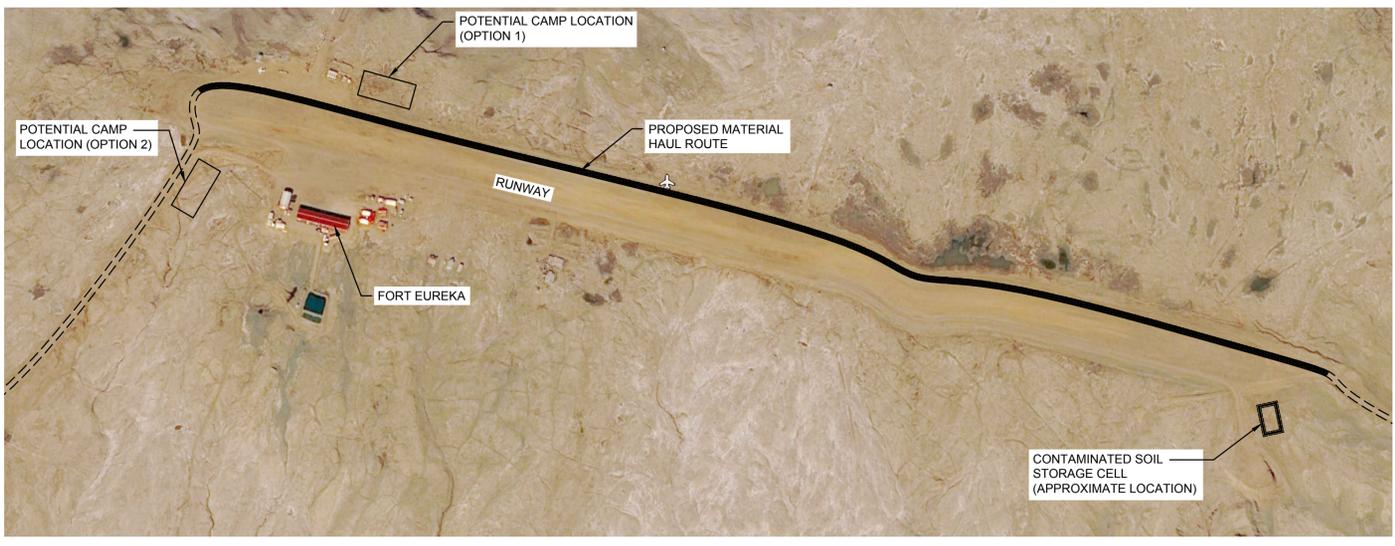
**EUREKA WATER AND SEWAGE SYSTEM**

Designed by: **A. FARROKHI**  
 Drawn by: **G. LACOSTE**  
 Approved by: **P. BARSALOU**

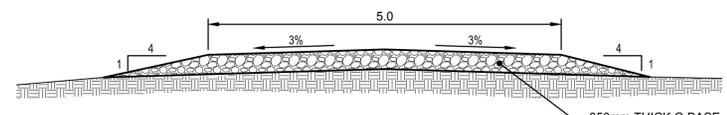
PWSGC Project Manager: **M. MOGAN**

**CIVIL OVERALL**  
**PROPOSED MATERIAL HAUL ROUTE**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
<b>R.037261.001</b>	<b>C-0008</b>	<b>0</b>
	OF	



**PROPOSED ROAD LAYOUT AT THE EXISTING AIRPORT**  
 NTS



**ROAD X-SECTION**  
 Scale NTS

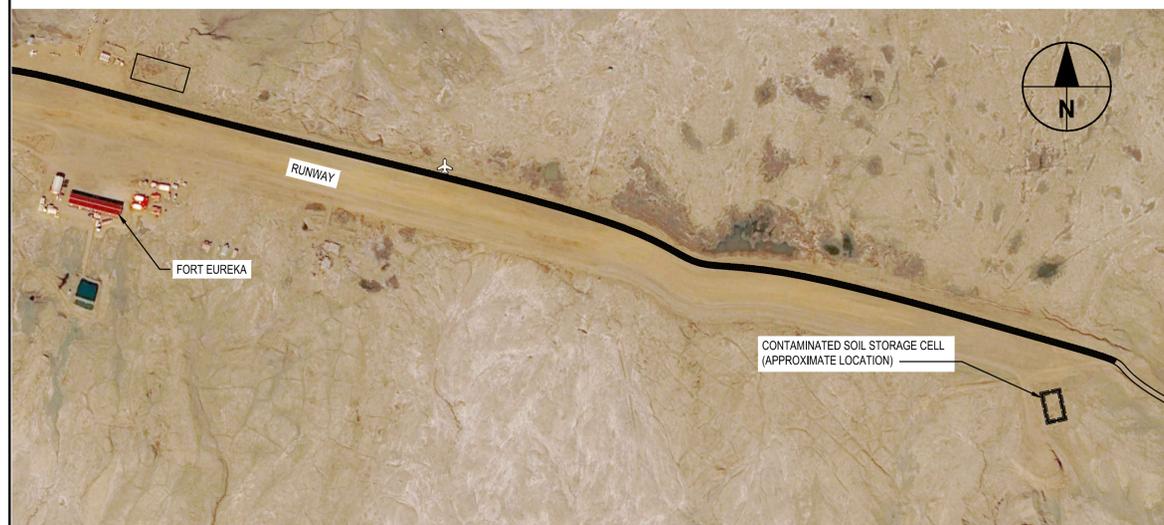
- ROAD NOTES:**
- CONSTRUCT TEMPORARY ROADS TO HAUL GRANULAR MATERIAL FROM BLACK TOP CREEK STOCKPILE AS SHOWN. PROOF-ROLL AND COMPACT EXISTING SUBGRADE. REMOVE SOFT / WET MATERIAL IF REQUIRED.
  - INSTALL 0.35m THICK C-BASE AS PER SECTION 32 11 23 AGGREGATE BASE COURSES.
  - COORDINATE TRAFFIC ON EXISTING ROAD AND AT AIRPORT WITH OTHER CONTRACTORS AND THE STATION. PROTECT AND AVOID ALL EXISTING INFRASTRUCTURE AND RESEARCH EQUIPMENT.
  - CAMP SET-UP INCLUDES SITE LEVELING AND USE OF UP TO 100m<sup>3</sup> OF STOCKPILED GRANULAR.
  - TEMPORARILY RE-ROUTE OR / PROTECT CABLES ON BRIDGE NEAR FRESHWATER RESERVOIR.
  - PROHIBIT HEAVY EQUIPMENT ON BRIDGE OVER CREEK. LIMIT TO LIGHT TRUCKS 3/4 TON ONLY.

**BENCH MARK:**  
 749167A  
 LOCATED ON THE FOSHEIM PEN OF ELLESMERE ISLAND AT THE AIRSTRIP OF THE EUREKA WEATHER STATION, ON BRADLEY AIR SERVICE PROPERTY, 16.04m FROM MAIN STATION '749167', MARKED BY A BRASS TABLET SET ON A COPPER ROD.  
 ELEV. 77.851m (Geoid, HT2\_0)

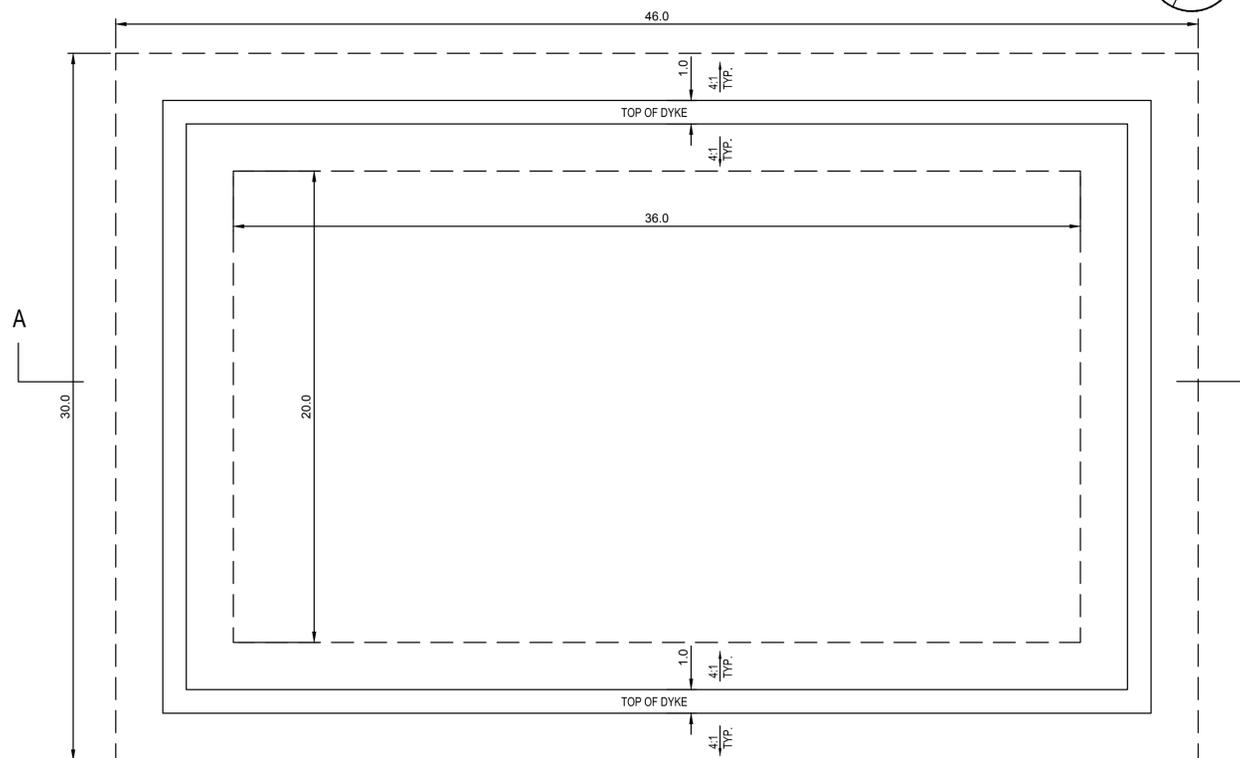
**AECOM**



PERMIT TO PRACTICE  
AECOM Canada Ltd.  
Signature: *[Signature]*  
Date: June 23, 2020  
PERMIT NUMBER: P 639  
The Association of Professional Engineers and Geophysicists of the NWT/NU.



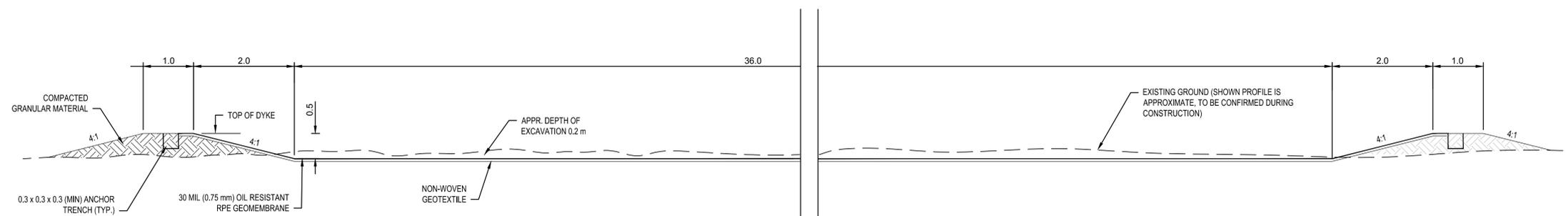
**CONTAMINATED SOIL STORAGE CELL POTENTIAL LOCATION**  
Scale NTS



**1 | PROPOSED CONTAMINATED SOIL STORAGE CELL PLAN**  
Scale 1:100

**CONSTRUCTION NOTES:**

1. PRIOR TO CONSTRUCTION, DELETERIOUS SOILS COMPRISING VEGETATION, TOPSOIL, AND THE SOFT/VERY SOFT, LOOSE, WET, DISTURBED, PORTION OF NATIVE SOILS, IF ANY, SHOULD BE REMOVED FROM THE STORAGE CELL FOOTPRINT.
2. FOLLOWING INITIAL SITE STRIPPING OF DELETERIOUS SOILS, AND PRIOR TO GRADING, AREAS IDENTIFIED FOR FILL PLACEMENT SHOULD BE COMPACTED. ANY SOFT AREAS SHOULD BE OVER-EXCAVATED AND BACKFILLED TO A MINIMUM 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD) USING GRANULAR BASE MATERIAL.
3. ALL FILL REQUIRED TO RAISE THE SUBGRADE ELEVATION SHOULD MEET THE REQUIREMENTS AS DEFINED IN SECTION 32 11 23 - AGGREGATE BASE COURSES.
4. FILL MATERIAL SHOULD BE PLACED IN LIFTS NOT EXCEEDING 150MM IN COMPACTED THICKNESS AND A MINIMUM DENSITY OF 98% SPMDD.
5. THE FINISHED SUBGRADE MUST BE FREE OF DEPRESSIONS.
6. THE CONTRACTOR SHALL ENSURE THAT LOCAL DRAINAGE PATTERNS ARE NOT ALTERED BY THE CONSTRUCTION.
7. CELL DYKES TO BE CONSTRUCTED USING GRANULAR BASE COURSE AS DEFINED IN SECTION 32 11 23, WITH 4:1 INTERIOR AND EXTERIOR SLOPES.



**A | PROPOSED CROSS SECTION, LINER AND GEOTEXTILE DETAILS**  
Scale 1:50

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. All measurements must be obtained from stated dimensions.

5		
4		
3		
2		
1		
0	ISSUED FOR TENDER	2020/06/19
Revision	Description	Date
Client		client

**Public Works and Government Services Canada**  
310-269 Main Street, R3C 1B3  
Winnipeg, MB

Project title: **NUNAVUT EUREKA**  
**EUREKA WATER AND SEWAGE SYSTEM**

Designed by: **A. FARROKHI**  
Drawn by: **G. LACOSTE**  
Approved by: **P. BARSALOU**  
PWSSC Project Manager / Administrateur de Projets TPSSC: **M. MOGAN**

Drawing title: **CIVIL CONTAMINATED SOIL STORAGE CELL PLAN, CROSS SECTION AND LOCATION PLAN**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
<b>R.037261.001</b>	<b>C-0009</b>	<b>0</b>
	OF	