CONSTRUCTION REPORT
TAILINGS STORAGE FACILITY
MEADOWBANK GOLD PROJECT
NUNAVUT

AGNICO-EAGLE MINES LIMITED

WITH COLABORATION OF GOLDER ASSOCIATES LTD.

June 15, 2013

Agnico Eagle Mines (AEM) representatives prepared the final construction report between 2012 and 2013, combining a draft report provided by Golder Associates Ltd. (Golder) and available information about the construction of the TSF. This report has been prepared by AEM representatives partially present on site or not present during construction, with their best knowledge of the TSF construction. The report contains information available during redaction and some details may have been omitted due to lack of information.

Agnico Eagle Mines
Geotechnical-Dikes Engineering
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LIST OF ACRONYMS AND ABBREVIATIONS

%	percent
^{o}C	degrees Celsius
AEM	Agnico-Eagle Mines Limited
El.	Elevation
GAL	Golder Associates Ltd.
IFC	Issued for Construction
km	kilometer
LLDPE	Linear Low Density Polyethylene
m	meter
m^3	cubic meter
mm	millimeter
NPAG	Non-potentially acid generating
PAG	Potentially acid generating
QA	Quality assurance
QC	Quality control
QN	N^{th} quarter of a year
QP	Qualified persons
SD1	Saddle Dam 1
SWD	Stormwater Dike
TSF	Tailings Storage Facility

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1.0 GENERAL

1.1 Objective and Scope

This report summarizes the construction activities from 2009 to 2011 for the Tailings Storage Facility (TSF) at Meadowbank Gold Project (Meadowbank), located approximately 80 km north of Baker Lake, Nunavut, to satisfy Meadowbank Water License 2AM-MEA0815 Part D, Item 26.

The major construction activities related to the Tailings Storage Facility works were carried out in the summer and early falls between 2009 and 2011. This report includes:

- Description and sequence of the major construction activities for each structure;
- Summary of the as-built construction quality assurance (QA) and construction quality control (QC) information;
- Summary of the as-built information (Including As-Built drawings).

Construction photos are available in Appendix A. QA and QC results and information available at the time of reporting are presented in Appendix B. As-Built drawings are presented in Appendix C.

As-built geometry information is based on surveys performed by the Owner, Agnico-Eagle Mines Ltd. (AEM), during the construction.

AEM representatives prepared the final construction report, combining a draft report provided by Golder Associates Ltd. (Golder). This report has been prepared by AEM representatives partially present or not present during construction, with their best knowledge of the construction. The report contains information available during redaction and some details may have been omitted.

During the construction, in general, quality control was the responsibility of AEM and quality assurance was the responsibility of Golder. Specifics roles and responsibilities are described further in this report.

1.2 Description of Tailings Storage Facility

Tailings generated from mining activities at the Meadowbank Gold Mine site will be stored in a portion of the basin formed by dewatering the northwest arm of Second Portage Lake. The

dewatering of the Second Portage Arm started on March 17 2009 after the completion of East Dike. Two Godwin HL250 pumps have been use for an average of 12,346 m^3 pump per day during the dewatering. An approximate total of 22,000,000 m^3 have been pump to empty Second Portage Arm. Majority of the water have been treated in a water treatment plant (WTP). The dewatering has been completed on the October 21 2011.

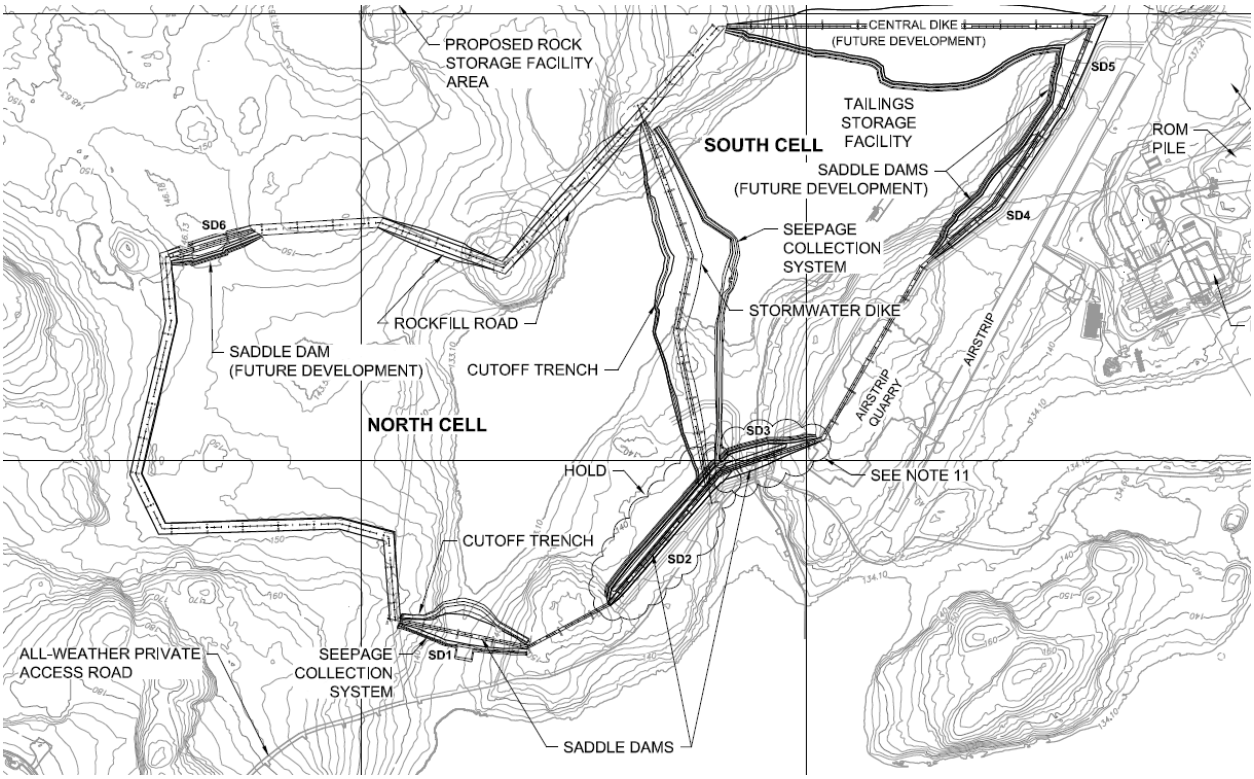


Figure 1: TSF Site Plan

Figure 1 presents the TSF site plan and the different structures included. The TSF construction is staged relative to tailings deposition and water management requirements.

Construction activities for the TSF included the construction of the Rockfill Road 1 and 2, the Stage 1 and 2 of Stormwater Dike, Saddle Dam 1, Saddle Dam 2 and the Connection between Stormwater Dike and Saddle Dam 2. These structures are presented in the section below. Detailed work activity and QA/QC activity for each structure are also described further in this report.

1.2.1 Rockfill Roads (RF1 and RF2)

The Rockfill Roads (RF), constructed in 2009 and 2010, are structures around the perimeter of the North basin (North Cell) providing access around TSF and to the Saddle Dams. Rockfill Road 1 (RF1) and Rockfill Road 2 (RF2) are located on the West side of the Waste dump. The RF are unlined rockfill structures with minimal foundation preparation.

1.2.2 Stormwater Dike

The Stormwater Dike (SWD) is a temporary rockfill structure inside the TSF. The construction of SWD occurred in 2009 and 2010. Is main purpose is to split the TSF in two cells; the North cell and the South cell. With the SWD, tailing deposition in the North cell is possible before the entire completion of the TSF. SWD allows to management of two separate cells for the first four years of production; after which time both basins will contain tailings.

1.2.3 Saddle Dams (SD)

The Saddle Dams are permanent structures designed to retain tailings and limit seepage to the environment. The SD are a series of lined rockfill structures connected by unlined rockfill roads around the perimeter of the TSF. Five different structures compose the SD; Saddle Dam 1, Saddle Dam 2, Saddle Dam 3, Saddle Dam 4 and Saddle Dam 5. Figure 1, shows the specific location for each of them. Saddle Dam 1 was started in 2009 and completed in 2010. Saddle Dam 2 was started in 2010 and completed in 2011. The others Saddle Dams will be constructed in the future during operation.

1.2.4 Stormwater Dike – Saddle Dam 2 Connection

SWD and SD2 connection is a temporary particular structure that link one permanent and one temporary structure. . The western end of the SWD was shifted toward the north by approximately 50 m to facilitate the tie-in with SD2 based on conditions encountered in the field. The purpose of the shift is to allow space for the connection with Saddle Dam 3 (SD3) during its construction. First stage of the connection has been built in 2010 and the second one in 2011. Basically, the design is the same as the SD exept for the type of liner that have been use.

1.3 Definitions

Definitions of terms used in this report are summarized in Table 1.

Table 1: Definitions

Term	Definition
Owner	Agnico-Eagle Mines Limited, Meadowbank Division (AEM)
Owner's Representative	Person(s) employed by the Owner in order to oversee the project works and the Owners interests. The primary point of contact for the Designer and the General Contractor.
Engineer	Golder Associates Ltd. (Golder)
Meadowbank	Meadowbank Gold Project site
Contractor	AEM, Operations
Approval	A written engineering or geotechnical opinion, related to the progress and completion of the Work.
Action Plan	A response to variance(s) by implementing a contingency and/or mitigation measures to better satisfy the design intent, construction drawings or the technical specification.
Work	The labour, materials and equipment required to excavate, place and compact fill, survey to layout the Work or to record the Work, to perform QC activities, and all other activities required to construct the West Channel Dike as detailed in the Specification and on the Drawings.
Ice-Poor Soils	Frozen soils that contain less than 10 percent visible ice and having a water content less than 20%. No visible ice lenses.
Ice-Rich Soils	Frozen soils that contain more than 10 percent visible ice and/or having a water content greater than 20%. Ice lenses may be present.
Quality Assurance (QA)	A planned system of inspection and testing that documents, to the satisfaction of the Owner, the Engineer, other stakeholders and regulators that the Work complies with the design, Drawings and Specifications. Quality Assurance forms a subset of the Quality Assurance program. Quality Assurance comprises inspections carried out during Quality Control and includes verifications, evaluations of materials and workmanship necessary to determine and document the quality of the constructed facility. Quality Assurance refers to the measures taken by the Quality Assurance organization, the Engineer, to assess if the Contractor is in compliance with the design, Drawings and Specifications.
Quality Control (QC)	A planned system of inspection, testing and documentation carried out by the Contractor during construction to ensure that the Work is being performed and completed in a manner that will comply with the

Term	Definition
	Drawings and Specifications. The Contractor is responsible for the Quality Control of all Work performed by him and all Work performed by any Subcontractor under contract with him.

1.4 Design, Technical Specifications and Construction Drawings

The detailed design for the SWD, SD1 and SD2 was prepared by Golder, including the construction drawings and technical specifications, issued on July 10th, 2009 and October 16th, 2009, respectively.

Table 2 presents a list of issued for construction (IFC) Revision 0 technical specifications dated October 16th, 2009, and Table 3 presents a summary of the IFC Revision 0 drawings dated July 10th, 2009.

Table 2: TSF Dike Construction IFC Technical Specification List

Specification Section No.	Title
S1	General
S2	Care of Water
S3	Foundation Preparation and Excavation
S4	Fill Placement
S5	Bituminous Geomembrane Liner
S6	Linear Low Density (LLDPE) Geomembrane Liner
S7	Geotextile
S8	Instrumentation
S9	QC and QA Requirements

Table 3: Tailings Storage Facility IFC Construction Drawing List

Drawing No.	Drawing Title
4100-00	Drawing and Specification Index
4100-01	Project Site Plan
4100-02	General Layout Plan
4100-03	Borehole Location Plan
4100-04	Staging Plan and Rockfill Quantities
4100-30	Stormwater Dike Staged Layout Plan

Drawing No.	Drawing Title
4100-31	Stormwater Dike Rockfill Plan and Profile (1 of 2)
4100-32	Stormwater Dike Rockfill Plan and Profile (2 of 2)
4100-33	Stormwater Dike Construction Sequence
4100-34	Stormwater Dike Cross-sections and Quantities
4100-36	Stormwater Dike Seepage Collection Ditch Plan and Profile (1 of 2)
4100-37	Stormwater Dike Seepage Collection Ditch Plan and Profile (2 of 2)
4100-38	Stormwater Dike Seepage Collection Ditch and Sump Details
4100-39	Stormwater Dike Coffer Dam Construction Sequence and Liner Details
4100-50	Saddle Dam Layout Plan and Quantities
4100-51	Saddle Dam Construction Sequence
4100-52	Saddle Dam Liner Details
4100-53	Saddle Dam Rockfill Plan and Profile (1 of 5)
4100-58	Saddle Dam Cross-sections
4100-59	Saddle Dam Instrumentation Plan and Section
4100-60	Saddle Dam 1 Seepage Collection System
4100-70	Rockfill Road Plan and Profile (1 of 2)
4100-71	Rockfill Road Plan and Profile (2 of 2)
4100-72	Rockfill Road Cross-sections and Quantities

Design modifications to the SWD and SD1 were completed to reflect field conditions during the initial construction phase. Design revisions to the construction drawings are summarized in Table 4.

Table 4: Tailings Storage Facility Drawing Revision

Design Figure	Figure Title	Issued Date	Supersedes and Replaces
Figure 1	Agnico-Eagle Mines Limited, Meadowbank Gold Project Nunavut, Stormwater Dike Staged Layout Plan	August 5, 2009	Drawing Nos. 4100-30 4100-31 4100-32
Figure 2	Tailings Storage Facility Typical Cross-Section and Details	August 5, 2009	Drawing Nos. 4100-33, Detail 3

Design Figure	Figure Title	Issued Date	Supersedes and Replaces
			4100-34
Figure 1	Tailings Storage Facility Saddle Dam 1 Rockfill Plan and Liner Details	August 17, 2009	Drawing Nos. 4100-51 4100-52 4100-53 4100-58

1.5 Construction Documentation

AEM was responsible for the collection, distribution and storage of TSF related construction documentation which included the following:

- Golder Tailings Storage Facility IFC Drawings and Technical Specifications;
- TSF construction QC/QA Documentation – Foundation Preparation;
- TSF construction QC/QA Documentation – Fill placement;
- Solution Optimum Construction Report (QC) – Bituminous and LLDPE liner;
- Layfield (QC) – Bituminous and LLDPE liner;
- Request for Information (RFI); and
- Site Memoranda and Technical Memoranda

2.0 ROCKFILL ROAD 1 CONSTRUCTION ACTIVITIES (2009)

2.1 Rockfill Road 1 and 2 - Construction Activity

Rockfill Road 1 was constructed in 2009 and Rockfill Road 2 in 2010, by AEM. As a perimeter structure, Rockfill Road 1 (RF1) was constructed with NPAG, directly on overburden, with minimal foundation preparation. Rockfill material was dumped and pushed to raise the embankment of RF1 and RF2.

Table 6 presents a summary of the main characteristics for the RF.

Table 6: RF1/RF2 As-Built Characteristics

Item	RF1	RF2	Unit
Crest elevation	150	150	masl
Maximum height at rockfill crest center line	12	9	m
Rockfill width at crest	25	25	m
Crest length	525	325	m

2.2 Rockfill Road 1 and 2 – QA/QC Activities

The construction of RF1 and RF2 was completed by AEM, under the direction of AEM representatives. Golder was not involved in the construction of RF1 and RF2. Visual observations and work planning was done by AEM during the construction.

3.0 STORMWATER DIKE CONSTRUCTION – STAGE 1 (2009)

3.1 Stormwater Dike Stage 1 - Construction Activities

Stormwater Dike construction started in July 2009 with the dewatering of the northwest arm of Second Portage Lake. Key work items completed as part of the SWD Stage 1 construction program included the following:

- Dewatering of the northwest arm of Second Portage Lake;
- Stage 1 footprint foundation preparation;
- Stage 1 rockfill shell placement;
- Liner toe trench excavation;
- Cofferdam construction;
- Liner bedding (coarse filter and fine filter) placement and compaction;

- Bituminous geomembrane liner placement;
- Liner cover placement; and
- Stage 2 foundation preparation and initial rockfill placement.

Survey was carried out at the start, during and completion of each activity, under the supervision of AEM.

Earthwork construction activities for the Stormwater Dike were completed by the contractor FGL, under the supervision of AEM representatives. Solution Optimum was contracted for the ES3 geomembrane bituminous liner installation. Construction activity details for SWD Stage 1 are summarized in Table 7 and are described in subsequent sections.

Table 8 presents a summary of the main characteristics for the SWD Stage 1construction of the SWD.

Table 7: Summary of Construction Activities for Stormwater Dike – Stage 1 (2009)

Activity	By	Start Date	Completion Date	Notes
Dewatering of the northwest arm of Second Portage Lake	AEM	March 17 2009	-October 21 2011	■ Golder QA field team arrived to site on July 21st, 2009.
Stage 1 footprint foundation preparation	AEM	July 24th, 2009	September 10th, 2009	
Stage 1 rockfill shell placement	AEM	August 1st, 2009	November 5th, 2009	■ 1st phase of Stage 1 completed on September 12th, 2009.
Liner toe trench excavation	AEM	July 31st, 2009	September 22nd, 2009	
Coffer Dam construction	AEM	August 15th, 2009	August 26th, 2009	
Liner bedding (coarse filter and	AEM	August 19th, 2009	November 8th, 2009	■ 1st phase of Stage 1 completed on

Activity	By	Start Date	Completion Date	Notes
fine filter) placement and compaction				September 27th, 2009.
ES3 bituminous liner placement	Solution Optimum	September 17th, 2009	November 26th, 2009	■ 1st phase of Stage 1 completed on October 4th, 2009. ■ 2nd phase of Stage 1 started on November 3rd, 2009.

Table 8: Stormwater Dike – Stage 1 (2009) As-Built Characteristics

Item	Stormwater Dike	Unit
Stage 1 Crest elevation	140	m a.s.l.
Maximum height at rockfill crest centreline	21	m
Rockfill width at crest	64	m
Crest length	1,200	m
Maximum rockfill base width	122	m
Upstream slope	3H : 1V	-
Dike Seepage Control	Coletanche ES3 bituminous geomembrane liner	-

3.1.1 Construction Materials and Quantities

The materials used in the construction are described in the technical specifications. Table 9 summarizes the earthwork quantities for the SWD Stage 1.

Table 9: Summary of Stormwater Dike- Stage 1 (2009) As-built Earthworks Construction Quantities

Item	As-built Quantity	Unit	Notes:
Foundation excavation quantity	79,000	m^3	Approx. quant.

Stage 1 rockfill shell	243,000	m^3	Approx. quant.
Upstream toe trench excavation of lakebed soils	19,500	m^3	Approx. quant.
Till backfill over bedrock along slope and toe trench	6,400	m^3	Approx. quant.
Liner Bedding: Coarse Filter (200 mm minus)	8,900	m^3	Approx. quant.
Liner Bedding: Fine Filter (20 mm minus)	8.700	m^3	Approx. quant.
ES3 Bituminous geomembrane Liner	24,000	m^2	Approx. quant.

3.1.2 Foundation Preparation

The foundation preparation was carried out westward from the east abutment following the footprint of Stage 1 of the SWD. The foundation conditions were investigated with test pits along the footprint of the SWD.

The foundation preparation consisted of excavation of organics, soft till and ice-rich materials. Unsuitable material was removed until suitable foundation was reached. Unsuitable material was disposed in the waste dump outside of the SWD area. Bedrock, firm till and/or ice poor materials suitable for foundation were encountered at shallow depths. On the east and west abutments bedrock was encountered under a 2 m layer of frozen and thawing till. On the low lying areas, a 1 m to 4 m thick layer of loose saturated till with occasional pockets of sand and gravel overlaid firm till.

Between the upstream toe and the centreline of the dike from Sta. 10+750 to Sta. 10+875 artesian inflows into the excavation was observed. 20 mm minus material was placed over artesian sources and packed with the shovel bucket prior to rockfill placement.

The work for the foundation preparation was completed by FGL and AEM, under the supervision of AEM representatives.

3.1.3 Rockfill Shell Placement

Stage 1 rockfill shell material comprised PAG and NPAG rockfill. Placement advanced westward from the east abutment. The rockfill shell was initially raised to a variable elevation, 4 m to 5 m above the lake surface, to allow the liner tie-in works to be completed before winter

weather conditions. The rockfill shell was raised to El. 140 m with a minimum 10 m wide crest. The rockfill was hauled to the SWD primarily using 100 ton trucks and 60 ton trucks to the narrower sections at the crest of the Stormwater Dike. The dumped rockfill material was placed in lifts of 2 m in thickness using D8 and/or D9 dozers. Compaction of the rockfill material was achieved with trafficking of loaded haul trucks. Following placement CAT 385 and/or CAT 330 excavators re-sloped the upstream side slope to 3H:1V.

Rockfill materials for the SWD construction were geochemically classified as potentially and non-potentially acid generating (PAG and NPAG) by AEM. The material was placed by FGL and AEM, under the supervision of AEM representatives

3.1.4 Upstream Liner Toe Trench Excavation

The upstream toe excavation was carried out by AEM westward from the east abutment. The foundation preparation consisted of the excavation and removal of organics, soft till, ice rich materials and fractured bedrock. Unsuitable material was removed until suitable foundation was reached. Unsuitable material was disposed in the waste dump outside of the SWD area. Bedrock, firm till and/or ice poor materials suitable for the foundation were encountered at shallow depths. On the east and west abutments and submerged island bedrock was encountered under a layer of frozen and thawing till. On the low lying areas, a 1 m to 4 m thick layer of loose saturated till with occasional pockets of sand and gravel overlaid firm till.

At about Sta. 10+830 water inflow from an artesian source was observed. A culvert and pump were installed in the area prior backfilling the tie-in trench with till to El. 137.5 m to cap the artesian source. Once completed, a 1.8 m length of the culvert was buried below the final liner level in the trench. Fine filter material was used to backfill the culvert and a wire piezometer was installed. Finally till was placed to cap the culvert and provide a liner bedding surface. Work was completed by FGL and AEM, under the supervision of AEM representatives

3.1.5 Cofferdam

Two cofferdams were constructed to El. 129 m and El. 128.5 m on the upstream and downstream sides of the dike to prevent water inflow from the north and south basins, respectively. At the time, dewatering was being set up and both the north and south basin water level were rising.

After rockfill placement, a trench was excavated in the downstream cofferdam to bedrock surface. Similarly, the upstream cofferdam was excavated to ice-poor fine grained soil, 1 m deep in natural ground. The minimum trench base width is 1.3 m. Following the trenches were backfilled with till previously stockpiled north of east abutment of SWD. The cofferdams were capped with rockfill.

The cofferdams were constructed by FGL and AEM, under the supervision of AEM representatives

3.1.6 Liner Bedding Placement

Following re-sloping of the upstream side slope of the rockfill to 3H:1V, a two layer bedding system was placed. Initially the liner bedding layers were placed and compacted over the initial rockfill placed to variable elevation, 4 m to 5 m above the lake surface, to allow the liner tie-in works to be completed before winter weather conditions. Following, the rockfill shell was raised to crest El. 140 m and the liner bedding layers were placed and compacted to crest elevation. The coarse filter material (200 mm minus) and fine filter material (20 mm minus) were typically hauled in 100 tonne trucks and dumped on the crest and part way down the slope.

The coarse filter material (200 mm minus) was placed over the rockfill upstream side slope with a CAT 330 and/or CAT 345 excavators for a thickness of about 0.5 m. The 200 mm minus material was produced by AEM and contractor's crusher and hauled to the SWD by 100 ton trucks. The coarse filter layer was track packed with two passes of a D8 dozer or CAT 330 excavator.

The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with a CAT 330 and/or CAT 345 excavators to place a thickness of about 0.5 m. The 20 mm minus material was produced by FGL crusher near the north end of Portage Pit and hauled to the SWD by 100 ton trucks. The fine filter layer was compacted with a minimum of 4 passes of a 10 ton smooth drum roller travelling up and down the slope. Vibration was only used when moving up slope. No water was added to the fine filter during placement or compaction.

Crushed rockfill materials (coarse filter and fine filter) were produced at AEM and Other's crushers. Crushed rockfill material was produced from NPAG rockfill. The liner bedding material was placed by FGL and AEM, under the supervision of AEM representatives

3.1.7 Bituminous Geomembrane Liner Installation

The bituminous geomembrane liner installation was carried westward from the east abutment. The initial installation was to a variable elevation, 4 m to 5 m above the lake surface, to allow the liner tie-in works to be completed before winter weather conditions. Subsequent to this, the dike was raised to crest El. 140 m and the liner was installed to crest elevation. A bench was created at the crest of the initial dike elevation to allow a horizontal seam in the liner.

The ES3 bituminous geomembrane liner was stored in site north of the east abutment. Full intact liner rolls were used and damaged areas from transportation, loading and unloading were discarded. The liner bedding surface was manually cleaned by hand shovel, air compressor and snow blower prior to liner deployment.

The deployment of the liner was carried out with a CAT 345 excavator with a modified spreader bar to support the roll in the air over the crest and a combination of an ATV and manual support on the edges pulled the liner down the slope to the liner tie-in trench.

The bituminous geomembrane liner was cleaned by hand held wire brushes, bristle brooms and/or air compressor immediately prior to welding. Seam welding was completed using a bitumen welder. Calibration welds were performed twice daily.

The bituminous geomembrane liner installation was carried out by Solution Optimum under the supervision of AEM representatives.

3.1.8 Liner Cover

The liner at the tie-in trench was covered with 1.0 m of till placed in two 0.5 m thick layers, compacted with the bucket of the shovel of a CAT 330 or 345 excavator and variably compacted with a 10 ton smooth drum roller. The till layers were placed with a shovel CAT 330 and a shovel CAT 345 excavators. A minimum 1.0 m thick layer of 200 mm minus material was placed on top of the till. The 200 mm minus material was placed forward from the top of the already placed 200 mm minus cover. Trucks hauling liner cover materials were routed over the 200 mm minus cover to promote compaction of the liner cover materials in the tie-in trench. Work was completed by FGL and AEM, under the supervision of AEM representatives

A nominal 0.5 m thick layer off 20 mm minus material was placed over the bituminous geomembrane liner from the liner toe to about 2 m up the slope. The upper portion of the liner on the slope has been left uncovered.

Liner wrinkles at the toe of the slope formed during material placement were covered with 0.5 m thick patches of till.

3.1.9 Stage 2 Construction

Stage 2 foundation preparation was carried out in the dry and underwater in the low lying area between approximate Sta. 10+500 and Sta. 10+700 during winter conditions in fourth quarter (Q4) 2009. Ice was broken up along the downstream edge of Stage 2 with a CAT 345 excavator and minimal foundation preparation was completed from the top of the rockfill shell prior to rockfill placement through the water. On land, the surface was grubbed and minimal overburden over frozen till was excavated. Snow accumulated against the rockfill shell and on the lakebed surface was removed prior to rockfill placement. Stage 2 rockfill placement was in progress in 2009 and was continued during operations in 2010.

3.2 Stormwater Dike Stage 1 – QA/QC activities

Golder was represented on site by a QA Manager and a QA field team that carried out the QA inspection and testing and check QC activities. Golder's QA manager mobilized to site on July 14th 2009 and the QA field team on July 21st 2009. As requested by the owner, from October 12th 2009 Golder presence on site was limited to a single Golder staff member to inspect the construction activities. Due to Golder's limited presence on site after October 12th 2009, the QA activities completed during this period were limited to dayshift.

The QC program was managed and directed by AEM. QC testing was completed under the supervision of AEM. AEM supervised and monitored the construction activities.

For the purpose of this report, QA and QC program will be grouped. QA and QC activities and results are complementary and are discussed in the same subsequent sections, under the appellation QA/QC program or activity. Specific activities carried by Golder will be specified only under QA appellation and specific activities carried by AEM will be specified only under QC appellation.

A summary of Stormwater Dike Stage 1 QA testing and monitoring is presented in Table 10.

Table 10: Summary of Stormwater Dike Construction QA Testing and Monitoring-Stage 1

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
General	Care of water	Visual observation	Continuous
	Borrow material Storage	Visual observation	Continuous
Foundation preparation	Location and extents	Survey review	Continuous and As Built following construction
	Subgrade inspection	Visual observation	Continuous
	Moisture content	1 in every 5 QC	14
Rockfill shell placement	Gradation	Visual observation	Continuous
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Coarse Filter	Gradation (stockpile and as placed)	1 in every 5 QC	0
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Fine Filter	Gradation (stockpile and as placed)	1 in every 5 QC	16
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Trench backfill (Till)	Placement technique	Visual observation	Continuous
Bituminous Geomembrane Liner	Seams	Visual inspection	Continuous
	Tensile shear strength of seams	Oversee 1 every 5 QC tests (9)	19 (oversee) 14 (3rd party laboratory)
	Vacuum box testing	Oversee 1 every 10 QC tests	56
	Ultrasonic testing	Oversee 1 every 5 QC tests (0)	0
	Liner thickness	1 every 1000 m seam length	1
	Liner density	1 every 1000 m seam length	1
	Tensile shear strength of liner	1 every 2000 m seam length	0

Liner cover	Gradation as placed	1 in every 5 QC	0
	Compaction	Visual observation	Continuous

3.2.1 Foundation Preparation

All prepared foundation areas were inspected and accepted by AEM/Golder site staff prior to initiating any fill placement. QA/QC activities for the foundation preparation and inspection included:

- Visual observation during foundation excavation, including removal of organic soils, soft soils and ice rich soils;
- Visual observation of waste material removal and disposal; and
- Foundation approval of competent subgrade.

The foundation conditions were investigated with test pits along the footprint of the Stormwater Dike and a firm soil suitable for foundation was encountered at shallow depths (1 m to 3 m deep). The foundation preparation was carried out and unsuitable materials were hauled to portage pit waste dump.

Fourteen QA till samples were collected during foundation preparation within the footprint of Stage 1. All samples were tested for water content and grain size distribution. Two hydrometer tests were completed on selected QA till samples. Part of the results is available in Appendix B.

3.2.2 Initial Rockfill Shell Placement

QA/QC activities for the rockfill shell placement included:

- Visual observation of the rockfill gradation, lift thickness and segregation;
- Overview of the rockfill placement technique;
- Visual inspection of equipment routed to promote compaction;
- Upstream re-sloped rockfill surface approval.

The rockfill appeared well graded with occasional oversize boulders that were moved to the downstream side of the dike.

3.2.3 Upstream Toe Excavation

QA/QC activities for the upstream toe excavation included:

- Visual observation during upstream toe excavation including removal of organic soils, soft soils and ice rich soils;
- Foundation approval of competent subgrade;
- Visual observation of till placement and compaction;
- Till QA samples of *in situ* materials taken to assess particle size distribution and moisture content.

Organic soils, soft till, ice rich soils and fractured bedrock were excavated and hauled to portage pit waste dump.

A thin layer of till was placed and compacted over bedrock surface to provide a smooth liner bedding at the upstream toe.

Foundation approval by the QA team was given after visual inspection of the subgrade. Same approval was given also by the QC team.

Four QA till samples were collected during tie-in trench till placement. All samples were tested for grain size distribution and one moisture content test was completed. Additionally, water content testing of the fraction passing the #4 mesh were recorded while completing the grain size distribution tests. Part of the results is available in Appendix B.

The QA/QC results indicate that gradation of the samples of till material placed was within specification.

3.2.4 Cofferdam

QA/QC activities for the cofferdam construction included:

- Visual observation of the rockfill gradation and placement technique;

- Visual observation of trench excavation to competent subgrade;
- Visual observation of till placement and compaction;
- Golder QA observations were limited to dayshift. QC representatives were present on both shifts.

Both cofferdams are not permanent structures.

3.2.5 Liner Bedding Placement

QA/QC activities for the liner bedding placement included:

- Visual observation of the liner bedding material gradation, lift thickness and segregation;
- *Insitu* QA/QC samples taken to assess particle size distribution;
- Overview liner bedding material placement technique;
- Visual inspection of liner bedding compaction;
- Coarse filter and fine filter placement and compaction approval.

QA observations report that between Sta. 10+826 and Sta. 10+829 as well as Sta. 10+810 and Sta. 10+820 no coarse filter was placed on top of the rockfill slope. To mitigate the area additional fine filter was placed. Also, fine filter material in place was observed to have oversize particles. Similarly, oversize particles were noted under the liner between Sta. 10+150 and Sta. 10+210.

Sixteen (16) QA grain size distribution tests and five QA water content tests were completed. Part of the results is available in Appendix B. The results indicate that gradation of the samples of fine filter material placed was generally within specification. No coarse filter QA samples were tested during the construction.

The QA/QC results indicate that gradation of the samples of fiter material placed was within specification.

3.2.6 Bituminous Geomembrane Liner Installation

The geomembrane installer Solution Optimum was responsible of the QC program during the installation, under the supervision of AEM. Golder was responsible of the QA program.

QA activities for the ES3 bituminous liner installation included:

- Liner bedding surface visual inspection;
- Visual observation of liner deployment technique;
- Visual inspection of seams;
- Oversee QC tensile shear strength and vacuum box tests;
- Selection of bituminous geomembrane liner samples;
- Liner installation approval for liner cover placement.

The liner was generally deployed in a relaxed condition along the slope; however, some wrinkling was observed after placement and folds of the liner were created during liner cover placement. Wrinkles in the liner were covered with at least 0.5 m of till; however, this method was observed to be applied to unacceptable folds at Sta. 10+360, Sta. 10+380 and Sta. 10+570.

Water was observed to pond at the liner tie-in trench, under and over the liner from Sta. 10+150 to Sta. 10+240 and Sta. 10+280 to Sta. 10+300.

Oversized material was noted under the liner between Sta. 10+150 and Sta. 10+210.

Between Sta. 10+400 and Sta. 10+420 the liner was observed to be in tension at the inflection point of the slope; the liner does not rest on the underlying liner bedding material. The liner was covered without mitigation.

The welding machine experienced different break down periods during liner installation. Liner deployment continued in an attempt to protect the foundation surface. The deployed panels were ballasted in place with 20 mm minus material piles placed over geotextile patches or directly

over the liner at the center of each panel and/or along the liner panels overlap. Large particles were observed within the 20 mm minus material.

The bituminous geomembrane liner was cleaned by hand held wire brushes, bristle brooms and/or air compressor immediately prior to welding. Seam welding was completed using a bitumen welder. Liner welds met or exceeded the minimum required specified values. Calibration welds were performed twice daily, at the start of the shift and in the afternoon.

Liner overlap was generally satisfactory during deployment although panel 243 was observed to be left in place with a 150 mm overlap and was deemed acceptable by the liner subcontractor.

The temperature during deployment and seaming of the ES3 bituminous liner during October and November ranged between -10° and -25° Celsius.

Golder oversaw nineteen (19) QC tensile shear strength and fifty six QC vacuum box tests. Tensile shear testing was performed in ambient air conditions. No QC ultrasonic tests were performed. Fourteen (14) in situ seam liner samples were tested at an independent laboratory for tensile shear strength. The sample DT 217/218 did not meet the specifications and it is recommended to patch this seam.

Two bituminous geomembrane liner rolls were sampled by Golder and one was tested to assess its thickness and density. The density testing results met the required specification. The average thickness testing result met the specification; however, some values were lower than specified. No tensile shear strength testing of the liner was performed.

Part of the QC test results are available in Appendix B.

3.2.7 Liner Cover

QA/QC activities for the liner cover placement included:

- Visual observation of the liner cover material gradation, lift thickness and segregation;
- Overview liner cover material placement technique;
- Visual inspections of liner cover compaction.

The liner at the tie-in trench was covered with 1.0 m of till placed in two 0.5 m thick layers and packed with the bucket of the shovel of a CAT 330 and/or CAT 345 excavators. Locally the till packed with the bucket of the shovel was highly fissured and insufficient compaction was achieved. A 10 ton smooth vibratory roller was inconsistently used to compact the till layers. No compaction of the till layers was carried out from Sta. 10+240 to 10+390 and Sta. 10+610 to 10+625. Trucks hauling liner cover materials were routed over the 200 mm minus cover to promote compaction of the liner cover materials.

A nominal 0.5 m 20 mm minus layer was placed over the ES3 liner from the liner toe to about 2 m up the slope. The upper portion of the liner on the slope has been left uncovered

No liner cover QA samples were tested during the 2009 SWD construction.

4.0 STORMWATER DIKE CONSTRUCTION - STAGE 2 (2010)

4.1 Stormwater Dike Stage 2 - Construction Activities

Stormwater Dike construction stage 2 started in July 2010. The Stormwater Dike - Saddle Dam 2 (SWD-SD2) Connection construction activities completed in 2010 have been included in the appropriate sections that follow to facilitate discussion. Key work items completed as part of the SWD Stage 2 construction program included the following:

- Footprint foundation preparation (east abutment and SWD-SD2 connection);
- Stage 2 rockfill shell placement;
- Liner toe trench excavation;
- Liner bedding (coarse filter and fine filter) placement and compaction;
- Bituminous geomembrane liner placement and tie-in with 2009 ES3 liner;
- Liner cover placement; and
- Cofferdam construction (SWD-SD2 connection);

Survey was carried out at the start, during and completion of each activity, under the supervision of AEM.

Earthwork construction activities for the Stormwater Dike were completed by the contractor FGL, under the supervision of AEM representatives. Layfield was contracted for the ES3 geomembrane bituminous liner installation. Construction activity details for SWD Stage 1 are summarized in Table 11 and are described in subsequent sections.

Table 12 and 13 presents respectively a summary of the main characteristics for the SWD Stage 2 construction and for the Connection between SD2/SWD .

Table 11: Summary of Construction Activities for Stormwater Dike

Activity	By	Start Date	Completion Date	Notes
Stage 2 Foundation Preparation	AEM	September 21st, 2009	October 23rd, 2010	• Foundation preparation commenced at the east abutment prior to Golder's arrival on-site July 21st, 2010 • Completion date includes SWD/SD2 connection.
Stage 2 Rockfill shell placement	AEM	September 21st, 2009	October 30, 2010	• Completion date includes rockfill placement for SWD/SD2 connection.
Liner toe trench excavation	AEM	Prior to July 21st, 2010	October 23rd, 2010	• Completion date includes SWD/SD2 connection.
Liner bedding (coarse filter and fine filter) placement and compaction	AEM	Prior July 21st, 2010	October 30th, 2010	• Upon initial site visit to SWD filter slope material was being compacted. • Completion date includes SWD/SD2 connection
ES2 bituminous	Layfield Group	August 30th, 2010	September 27th, 2010	• Completed up to Sta. 10+230. From

Activity	By	Start Date	Completion Date	Notes
liner placement and tie-in with 2009 liner				this station to upstream SD2 face still required.
Liner cut-off trench backfill	AEM	September 6th, 2010	End of October 2010	
Liner Cover	AEM	September12th, 2010	September 18th, 2010	• Completion date is for east abutment only. Liner has not yet been deployed west of about Sta. 10+230 and thus no liner cover placed yet.
Cofferdam	AEM	November 7th, 2010	Mid-November 2010	• Cofferdam was not completed when QA team demobilized off of site on November 9th, 2010

Table 12: Stormwater Dike – Stage 2 (2010) As-Built Characteristics

Item	Stormwater Dike	Unit
Stage 2 Crest elevation	148	m a.s.l.
Maximum height at rockfill crest centreline	29	m
Rockfill width at crest	24	m
Crest length	1,200	m
Maximum rockfill base width	152	m
Upstream slope	3H : 1V	-
Dike Seepage Control	Coletanche ES2 bituminous	-

Item	Stormwater Dike	Unit
	geomembrane liner	

Table 13: Connection SD2/SWD – Stage 2 (2010) As-Built Characteristics

Item	Stormwater Dike	Unit
Crest elevation	148	m a.s.l.
Maximum height at rockfill crest centreline	8	m
Rockfill width at crest	24	m
Crest length	126	m
Maximum rockfill base width	36	m
Upstream slope	3H : 1V	-
Dike Seepage Control	Coletanche ES3-2 bituminous geomembrane liner	To be installed in 2011

4.1.1 Construction Materials and Quantities

The materials used in the construction are described in the technical specifications Table 14 summarizes the earthwork quantities for the SWD, including the SWD-SD2 connection.

Table 14: Summary of SWD As-Built Earthworks Construction Quantities

Item	As-built Quantity	Unit	Notes:
Foundation excavation quantity	4,750	m^3	
Stage 2 rockfill shell	711,000	m^3	
Upstream toe trench excavation	15,000	m^3	
Till backfill over bedrock along slope and toe trench	5,000	m^3	
Liner Bedding: Coarse Filter (200 mm minus)	18,500	m^3	
Liner Bedding: Fine Filter (20 mm minus)	17,750	m^3	

ES2 Bituminous geomembrane Liner	19,000	m^2	
Liner cover	0	m^3	Reference DOC no. for limits/requirement of liner cover
Cofferdam	1,500	m^3	

4.1.2 Foundation Preparation

Foundation preparation was required to both the east and west of the Stage 1 abutments to accommodate the increased in height of the dike crest from El. 140 m to 150 m during Stage 2 construction. Foundation preparation was completed on both the west and east embankments prior to the arrival of the QA team onsite (July 21st, 2010). Although Stage 2 construction was planned to be raised to El. 150 m, the crest was only raised to El. 148 m as of the QA team demobilizing on November 9th, 2010.

The foundation preparation consisted of excavation of organics, glacial till and ice-rich materials to accommodate the Stage 2 construction. Bedrock suitable for foundation was encountered at shallow depths. The excavated waste material was hauled to portage pit waste dump and/or disposed outside the dike footprint. In general, on the east and west abutments bedrock was encountered under a 1.5 to 4 m layer of frozen and thawing till with limited blasting required on the east abutment.

The work for the foundation preparation was completed by FGL and AEM, under the supervision of AEM representatives.

4.1.3 Rockfill Shell Placement

Stage 2 rockfill shell for Stage 2 started September 21st, 2009 and was completed before July 2010. The rockfill shell had been raised to elevation El. 148 m. Following placement excavators re-sloped the upstream side slope to 3H:1V. Rockfill shell was placed following generally the same procedure as for Stage 1.

Rockfill materials for the SWD construction were geochemically classified as potentially and non-potentially acid generating (PAG and NPAG) by AEM and supplied from on site pits and

quarries. The material was placed by FGL and AEM, under the supervision of AEM representatives

4.1.4 Upstream Toe Excavation

Upstream toe excavation to accommodate Stage 2 construction was carried out by AEM on both the west and East abutments. The foundation preparation consisted of the excavation and removal of organics, ice-rich materials and fractured bedrock. The excavated waste material was hauled to the waste dump and/or disposed outside the dike footprint. Work was completed by FGL and AEM, under the supervision of AEM representatives

4.1.5 Liner Bedding Placement

Following re-sloping of the upstream side slope of the rockfill to 3H:1V, a two layer bedding system was placed. Upon arrival of the QA team on July 21st, 2010 the coarse filter bedding material had been placed on the upstream rockfill face of the Stage 2 construction. For the SWD-SD2 connection the thickness of the coarse filter was also 0.5 m. The coarse filter material was produced by AEM and contractor's crusher and hauled to the SWD by on-site haul trucks.

The coarse filter material (200 mm minus) was placed in layer of approximately 0.5m over the rockfill upstream side slope with the same methods as Stage 1. The 200 mm minus material was produced by AEM and contractor's crusher and hauled to the SWD by 100 ton trucks. The coarse filter layer was track packed with two passes of a D8 dozer or CAT 330 excavator.

The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with one or two CAT 345 excavators that placed a thickness of 0.5 m from both the crest of the dam and the El. 140 m bench. The 20 mm minus material was produced by Other's crusher near the north end of Portage Pit and hauled to the SWD by on site haul trucks. The fine filter layer was compacted with a minimum of three passes of a 10 ton vibrating smooth drum roller travelling up and down the slope with the third pass being an overlapping pass. No water was added to the fine filter during placement or compaction.

Crushed rockfill material was produced from NPAG rockfill. The liner bedding material was placed by FGL and AEM, under the supervision of AEM representatives

4.1.6 Bituminous Geomembrane Liner Installation

The bituminous geomembrane liner installation was carried out by the Layfield Group, under the surpervision of AEM, in three phases:

1. Initial installation commenced at STA. 11+050 and progressed westward to STA. 10+275;

2. From the east abutment westward to STA. 11+110; and

3. Westward from STA. 10+220 to STA. 10+275.

The ES2 bituminous geomembrane liner was stored on site adjacent to the downstream crest at the west abutment and west of the downstream face of Saddle Dam 2 (SD2). Full intact liner rolls were used and damaged areas from transportation, loading and unloading were discarded. The liner bedding surface was manually cleaned by hand shovel and bristle broom, where necessary, prior to liner deployment.

The deployment of the liner was carried out with a CAT 345 excavator with a modified spreader bar to support the roll in the air over or slightly behind the crest and manual support on the edges to allow the liner to be pulled down the slope to the liner tie-in trench or overlap with the 2009 liner.

The bituminous geomembrane liner was cleaned by hand held, bristle brooms and/or dry rags prior to welding. Seam welding was completed using a bitumen welder. Calibration welds were performed twice daily when welding was carried out all day, otherwise, only once prior to the commencement of welding. The liner extended approximately 4 m out along the dam crest and where it was not tied into the 2009 liner. Sequential panel numbers were written on the liner as per the specifications. Ballasting material was placed at the dam crest over the liner and if necessary along the panel edges as the work was completed or at the end of each shift. Where needed, patches were carried out by torching a piece of ES2 to the surrounding panel.

4.1.7 Liner Cover

Where the liner was not tied into the 2009 liner it was extended to the tie-in trench. This was limited to the east abutment as winter conditions prevented liner deployment on the west

abutment (*i.e.* SWD-SD2 connection). The deployed liner was covered with about 1.0 m of till placed in two 0.75 m thick layers and compacted with the bucket of the shovel of a CAT 345 excavator, followed by compaction with a 10 ton smooth non-vibrating drum roller. The till layers were placed with a CAT 345 excavator from the upstream side of the liner tie-in trench. Work was completed by FGL and AEM, under the supervision of AEM representatives.

4.1.8 Cofferdam

A cofferdam was in the process of being constructed between STA. 10+75 and 10+220 to crest El. 142 masl on the west abutment upstream of the trench excavation for the till plug tie-in. The cofferdam was being constructed to provide tailings and supernatant pond containment within the TSF until the construction is completed for SD2 and the SWD. The cofferdam is a temporary structure.

The cofferdams were constructed by FGL and AEM, under the supervision of AEM representatives

4.2 Stormwater Dike Stage 2 - QA / QC activities

Golder was represented on site by a QA Manager and a QA field team that carried out the QA inspection and testing and check to QC activities. Golder's QA manager and QA field team mobilized to site on July 21st 2010 . From October 11th 2010 Golder presence on site was limited to a single Golder staff member (QA Manager) to inspect the construction activities. Due to Golder's limited presence on site after October 11th 2010, the QA activities completed during this period were limited to dayshift.

The QC program was managed and directed by AEM. QC testing was completed under the supervision of AEM. AEM supervised and monitored the construction activities.

A summary of Stormwater Dike Stage 2 and SWD-SD2 connection QA testing and monitoring is presented in Table 15.

Table 15: Summary of Stormwater Dike Construction QA Testing and Monitoring- Stage 2

Construction Item	Work Description	Minimum QA Testing	QA Tests Performed

		Requirement and Frequency	
General	Care of water	Visual observation	Continuous
	Borrow material Storage	Visual observation	Continuous
Foundation preparation	Location and extents	Survey review	As-Built following construction
	Subgrade inspection	Visual observation	Continuous
	Moisture content	1 in every 5 QC	0
Rockfill shell placement	Gradation	Visual observation	Occassionally
	Placement technique	Visual observation	Occassionally
	Compaction	Visual observation	Occassionally
Coarse Filter	Gradation (stockpile and as placed)	1 in every 5 QC	0
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Fine Filter	Gradation (stockpile and as placed)	1 in every 5 QC	1
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Trench backfill (Till)	Placement technique	Visual observation	Continuous
Bituminous Geomembrane Liner	Seams	Visual inspection	Continuous
	Tensile shear strength of seams	Oversee 1 every 5 QC tests (9)	54 (oversee)
	Vacuum box testing	Oversee 1 every 10 QC tests	20 (of 30)
	Ultrasonic testing	Oversee 1 every 5 QC tests	0
	Liner thickness	1 every 1000 m seam length	0
	Liner density	1 every 1000 m seam length	0
	Tensile shear strength of liner	1 every 2000 m seam length	0
Liner cover	Gradation as placed	1 in every 5 QC	6
Cofferdam	Compaction	Visual observation	Continuous

4.2.1 Foundation Preparation

QA/QC activities for the foundation preparation were limited to Stage 2 construction for a portion of the SWD-SD2 connection (*i.e.* west abutment) as foundation preparation for the east abutment was completed prior to the arrival of the QA team on site (July 21st, 2010). QA activities included:

- Visual observation during foundation excavation (includes a portion of cut-off excavation for SD2), including removal of organic soils, soft soils and ice-rich soils;
- Visual observation of waste material removal and disposal;
- Inspection of construction road immediately upstream and parallel to the SD2 till plug tie-in; and
- Foundation approval of competent subgrade.

Foundation approval by the QA team was given after visual inspection of the subgrade. Same approval was given also by the QC team.

As a portion of the west abutment foundation includes the SD2 upstream toe, ground and foundation conditions were investigated by air-track drilling and a firm soil suitable foundation was encountered at shallow depths (2 m to 4 m deep). The construction road immediately upstream and parallel to the SD2 till plug tie-in was considered suitably compacted that it was not removed prior to placement of the rockfill shell. During foundation preparation unsuitable materials were hauled to portage pit waste dump.

4.2.2 Base Filter Placement

QA/QC activities for the base filter placement included:

- Visual observation of the base filter material gradation, lift thickness and segregation;
- Overview base filter material placement technique;

- Visual inspection of base filter layers compaction;

- Fine filter and coarse filter placement and compaction approval.

An inverted filter system was placed over the portion of the SD2 till plug tie-in as part of the SWD-SD2 connection construction. The inverted filter system comprises a 0.5 m thick coarse filter layer over a 0.5 m thick fine filter layer which was placed prior to the rockfill shell placement. Base filter placement and compaction was performed as specified with compaction carried out by 10 ton non-vibrating smooth drum roller and track compaction by excavator CAT 345.

No invert filter placement was carried out at the location of the construction road that parallels the upstream face of SD2 and is located immediately upstream on the SD2 till plug tie-in.

4.2.3 Rockfill Shell Placement

QA activities for the rockfill shell placement were limited to the SWD-SD2 connection (i.e. west abutment) and included:

- Visual observation of the rockfill gradation, lift thickness and segregation;

- Overview of the rockfill placement technique;

- Visual inspection of equipment routed to promote compaction;

- Upstream re-sloped rockfill surface approval.

Overall the rockfill appeared well graded with occasional oversize boulders that were moved to the downstream side of the dike. However, tension cracks were observed on the downstream crest edge between about STA. 10+849 to 10+940. These tensions cracks are considered to be the settlement of the rockfill due to the oversteepend downstream slope.

Rockfill placement was largely completed for Stage 2 construction prior to the QA team arrival onsite and was in majority conducted under QC supervision from AEM.

4.2.4 Upstream Toe Excavation

QA/QC activities for the upstream toe excavation included:

- Visual observation during upstream toe excavation including removal of organic soils, soft soils, ice-rich soils, and rockfill;
- Foundation approval of competent subgrade;
- Visual observation of till placement and compaction;
- Till QA samples of *in situ* materials taken to assess particle size distribution and moisture content.

Upstream foundation preparation at the toe of both the west and east abutment included the excavation and removal of organic soils, ice-rich soils and fractured bedrock, which were hauled to the portage pit waste dump. Rockfill from construction during Stage 1 was removed locally on the west abutment.

Foundation approval by the QA team was given after visual inspection and bedrock mapping of the subgrade. Same approval was given also by the QC team.

A thin 50 to 100 mm layer of dry 20 mm crush with 8 percent by mass dry bentonite was placed over the fractured bedrock within the cut-off trench excavation on the east abutment prior to the placement of till. The till was placed and compacted over bedrock surface to provide a smooth liner and low-hydraulic bedding at the upstream toe.

Six QA till samples were collected during tie-in trench till placement with one of the in-situ samples collected frozen and one a class B till (*i.e.* higher moisture content). All samples were tested for both grain size distribution and moisture content. Two samples had hydrometer testing completed. Additionally, water content testing of the fraction passing the #4 mesh were recorded while completing the grain size distribution tests. Part of the results is available in Appendix B.

4.2.5 Liner Bedding Placement

QA/QC activities for the liner bedding placement included:

- Visual observation of the liner bedding material gradation, lift thickness and segregation;
- *In-situ* QA samples taken to assess particle size distribution;
- Overview liner bedding material placement technique;
- Visual inspection of liner bedding compaction;
- Coarse filter and fine filter placement and compaction approval.

QA laboratory results available are presented in Appendix B. Although limited samples were taken, visual QA observations of the placement of coarse and fine filter material for the SWD-SD2 connection indicated, in general, that it was placed in accordance to the specifications. No coarse filter QA was tested during the construction.

QC till samples were collected during filter material placement. Samples were tested for grain size distribution and one moisture content test was completed.

The QA/QC results indicate that gradation of the samples of filter material placed was generally within specification.

4.2.6 Bituminous Geomembrane Liner Installation

The geomembrane installer Layfield was responsible of the QC program during the installation, under the supervision of AEM. Golder was responsible of the QA program.

QA activities for the ES2 bituminous liner installation included:

- Liner bedding surface visual inspection;
- Visual observation of liner deployment technique;
- Visual inspection of seams;
- Oversee QC tensile shear strength and vacuum box tests;
- Selection of bituminous geomembrane liner samples;

- Liner installation approval for liner cover placement.

The liner was generally deployed in a relaxed condition along the slope.

Panel overlap was observed to be 0.25 m between about STA. 10+241 to 10+260, which is less than the minimum 0.30 m overlap specified. Panel seams 1 to 175 and 212 to 232 were checked for sufficient 'buttering', however, due to snow coverage inspection of the panel seams from Panel 175 to the west are still required.

The bituminous geomembrane liner was cleaned by hand held wire brushes and/or bristle brooms immediately prior to welding. Seam welding was completed using a bitumen welder. Liner welds met or exceeded the minimum required specified values. Calibration welds were performed twice daily, at the start of the shift and in the afternoon. If welding was only carried out for half a day, a calibration weld was performed immediately prior to commencing work.

The temperature during deployment and seaming of the ES2 bituminous liner during August and September ranged between 0° and 23° Celsius.

Golder oversaw 54 QC tensile shear strength and thirty QC vacuum box tests. Tensile shear testing was performed in ambient air conditions. There were two tensile shear strength tests carried out on Seam 167/168 that did not meet the specifications (91 and 94 percent) and the specifications only allow for one test to be up to 80 percent of the allowable shear value. As such, it is recommended to patch the seam. No QC ultrasonic tests were performed. In situ seam liner samples were tested at an independent laboratory for tensile shear strength

Part of the QC test results is available in Appendix B.

4.2.7 Liner Cover

QA/QC activities for the liner cover placement included:

- Visual observation of the liner cover material gradation, lift thickness and segregation;
- Overview liner cover material placement technique;
- Visual inspection of liner cover compaction.

As no liner was placed on the west abutment west from about STA. 10+230 no till, or otherwise, liner cover was placed.

4.2.8 Cofferdam

The purpose of the cofferdam is to provide tailings and supernatant pond containment within the TSF until construction is completed at the SWD-SD2 Connection toe and is a temporary structure. The cofferdam was done under the supervision of AEM.

5.0 SADDLE DAM 1 CONSTRUCTION – STAGE 1 (2009)

5.1 Saddle Dam 1 Stage 1 – Construction Activities

Saddle Dam 1 (SD1) construction started in July 2009 with the dewatering of the northwest arm of Second Portage Lake.

The general construction work sequence for Saddle Dam 1 consisted of:

- Dewatering of the northwest arm of Second Portage Lake;
- Foundation investigation for ice rich/ice poor soil determination;
- Foundation preparation;
- Fine filter base;
- Coarse filter base;
- Stage 1 rockfill shell placement for Stage 1 (crest at Elev. 141 m);
- Liner cut-off trench excavation;
- Liner bedding (coarse filter and fine filter) placement and compaction;
- Instrumentation installation (slope);
- Liner system placement to the Stage 1 crest;

- Liner cut-off trench backfill;
- Instrumentation installation (base and crest); and
- Liner cover

Survey was carried out at the start, during and completion of each activity, under the supervision of AEM.

Earthwork construction activities for the SD1 Stage 1 were completed by the contractor FGL and AEM, under the supervision of AEM representatives. Solution Optimum was contracted for the ES3 geomembrane bituminous liner installation. Construction activity details for SD1 Stage 1 are summarized in Table 16 and are described in subsequent sections.

Table 17 presents a summary of the main characteristics for the Stage 1construction of the SD1.

Table 16: Summary of Construction Activities for Saddle Dam 1 – Stage 1

Activity	By	Start Date	Completion Date	Notes
Foundation preparation	AEM	September 4th, 2009	October 18th, 2009	
Foundation investigation for ice rich/ice poor soil determination	AEM Golder	October 1st, 2009	October 7th, 2009	
Fine filter base	AEM	October 9th, 2009	October 20th, 2009	
Coarse filter base	AEM	October 9th, 2009	October 20th, 2009	
Stage 1 Rockfill shell placement	AEM	October 10th, 2009	October 21st, 2009	
Liner tie-in cut-off toe trench excavation	AEM	September 15th, 2009	October 19th, 2009	
Liner bedding (coarse and fine filter) placement	AEM	October 11th, 2009	October 21st, 2009	
Instrumentation installation (along upstream slope)	AEM	October 21st, 2009	October 21st, 2009	
Liner System Placement	Solution	October	November	

Activity	By	Start Date	Completion Date	Notes
	Optimum	24th, 2009	1st, 2009	
Liner cut-off trench backfill	AEM	October 10th, 2009	November 3rd, 2009	
Instrumentation installation (base and crest)	AEM	November 4th, 2009	November 5th, 2009	
Liner cover	AEM	October 28th, 2009	November 9th, 2009	■ Pending raising upstream buttress up to El. 136 m

Table 17: Saddle Dam 1– Stage 1 (2009) As-Built Characteristics

Item	Saddle Dam 1	Unit
Stage 1 Crest elevation	141	m a.s.l.
Rockfill width at crest	25	m
Maximum rockfill base width	Approx. 60	m
Upstream slope	3H : 1V	
Dike Seepage Control	LLDPE	-

5.1.1 Construction Materials and Quantities

The materials used in the construction are described in the specifications. Table 18 summarizes the estimated earthwork quantities for SD1.

Table 18: Summary of SD1 Estimated Earthworks Construction Quantities

Item	As-built Quantity	Unit
Foundation excavation quantity	26,600	m^3
Foundation Surface Preparation	14,400	m^2
Trench Excavation	7,300	
Fine Filter Base	5,900	m^3
Coarse Filter Base	5,300	m^3

Item	As-built Quantity	Unit
Rockfill shell	49,00	m^3
Till toe trench backfill	1,300	m^3
20 mm minus and assume 8% bentonite mix toe trench backfill	5,500	m^3
Geotextile	7,500	m^2
LLDPE Liner	7500	m^2

Notes: Quantities are not as-built

5.1.2 Foundation Preparation and Foundation Investigation for Ice-Rich / Ice-Poor Soils

The foundation preparation was carried out southward from the north abutment following the footprint of Stage 1 of SD1. The foundation conditions were investigated with boreholes along the footprint of SD1. The foundation preparation consisted of the excavation and removal of organics, soft till and ice-rich soils.

Trenches were excavated at the base of SD1 to promote drainage and thawing of the foundations soils prior to constrution. Organic soils and thawing soils were excavated with CAT 385 and/or CAT 345 excavators and hauled to a waste soil area upstream of SD1.

Ice-rich materials were removed by drilling and blasting to a depth of 5 m to 6 m beneath the projection of the geomembrane liner to be installed to the Stage 2 crest (El. 150 m). Confirmation boreholes were drilled in the upstream side of the SD1 footprint to verify the extent of ice-rich soils. Bedrock and ice-poor soils suitable for foundation were encountered at 0.3 m below the bottom of the blasted area. Sampling of blasted frozen ground indicated that ice-rich till comprised the upper 4 m to 5 m from the original ground surface. Samples from the subgrade were obtained and tested for water content; however, these are deemed unreliable due to contamination during debris cleaning after blasting.

The foundation preparation on the north abutment consisted of stripping organics and thawed surficial soils, followed by excavation of any frozen soil and fractured bedrock. The excavation works were performed with a CAT 385 excavator and a CAT 345 excavator cleaned up the foundation surface. A hydraulic hammer was used in selected areas to remove frozen soil and fractured bedrock. The bedrock surface was exposed along the entire upstream toe at the north abutment and was manually cleaned with brushes, shovels and an air compressor.

In the south abutment organics and thawed surficial soils were stripped and blasting to remove ice-rich soils was needed. A CAT 385 excavator was used to excavate blasted material and a CAT 345 excavator cleaned the area to expose the bedrock surface. The bedrock surface was manually cleaned with brushes, shovels and an air compressor.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.3 Base Filter Placement

An inverted two layer base filter system was placed over the upstream portion of the Stage 1 footprint prior to rockfill placement. The inverted filter system comprises a 0.5 m thick coarse filter layer over of a 0.5 m thick fine filter layer.

The fine filter material (20 mm minus) was placed at the base of the excavation sequentially as the foundation surface was approved. The fine filter material was produced by at Other's crusher and hauled by 100 ton trucks. The 20 mm material was placed with a D8 dozer for a thickness of about 0.5 m. The fine filter layer was compacted with a 10 ton vibratory smooth drum roller without moisture condititioning.

The coarse filter material (200 mm minus) was placed over the fine filter layer with a D8 dozer for a thickness of about 0.5 m. The 200 mm minus material was produced at AEM's crusher and hauled by 100 ton trucks. The coarse filter layer was compacted with a 10 ton vibratory smooth drum roller and no water was added.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.4 Initial Rockfill Shell Placement

The rockfill shell was constructed using NPAG rockfill from the Portage Pit. The rockfill shell placement was completed in about 11 days and involved a large quantity of equipment. The rockfill was hauled primarily using 100 ton trucks and placed with a D8 or D9 dozer in 1.5 m thick horizontal lifts to El. 141 m. Compaction of the rockfill material was performed using loaded haul trucks and placement equipment.

Following rockfill placement, CAT 385 and/or CAT 345 excavators re-sloped the upstream side slope to 3H:1V and larger rocks were removed prior to placement of bedding layers.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.5 Upstream Toe Trench Excavation

The upstream toe trench excavation was carried out to a depth of 2 m to 6 m, depending on the depth to bedrock, and removing organics, thawing soils, ice rich materials and fractured bedrock. Ice-rich materials were removed by drilling and blasting to a depth of 5 m to 6 m at the base of the trench. Confirmation boreholes were drilled to verify the extent of ice-rich soils. Bedrock and ice-poor materials suitable for foundation were encountered at 0.3 m below the bottom of the blasted area. Sampling of blasted frozen ground indicated ice rich till comprised the upper 4 m to 5 m from the original ground surface.

On the north abutment organics, thawed surficial soils, frozen soils and fractured bedrock were excavated with a CAT 385 excavator and a CAT 345 excavator cleaned up the foundation surface. A hydraulic hammer was used in selected areas to remove frozen soil and fractured bedrock. The bedrock surface was exposed along the entire upstream toe at the north abutment and was manually cleaned with brushes, shovels and an air compressor.

In the south abutment, ice rich soils were blasted and removed with a CAT 385 excavator and a CAT 345 excavator cleaned the area to expose the bedrock surface. The bedrock surface was manually cleaned with brushes, shovels and an air compressor.

The excavated waste material was hauled to a waste dump upstream of Saddle Dam 1.

Following subgrade approval, till was placed in 0.5 m thick loose lifts with a D8 dozer and compacted by track packing with a D8 dozer or CAT 345 excavator and 2 passes of a 10 ton smooth vibratory drum roller. The till material was sourced from a borrow area near Rockfill Road 2, adjacent to the water in the North Cell of the TSF.

The till layers were placed in the central portion of the dam in multiple lifts and progressing up the abutments where at least one lift was placed. Each lift surface was scarified or tracked with a D8 dozer prior to placement of subsequent lifts. The till plug at the central portion of the dam was raised to 1 m below the original ground surface.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.6 Coarse and Fine Filter Placement

A two layer bedding system was placed by AEM in horizontal lifts, 0.5 m thick, along the rockfill upstream side slope sequentially as the rockfill shell was raised. The bedding layers were initially placed in the central portion of the dam and then towards the abutments.

The coarse filter material (200 mm minus) was placed over the rockfill upstream side slope with a CAT 345 excavator or D8 dozer. The 200 mm minus material was produced by AEM crusher and hauled to the SD1 by 100 ton trucks. The coarse filter layer was compacted with a 10 ton vibratory smooth drum roller without moisture conditioning.

The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with a CAT 345 excavator. The 20 mm minus material was obtained from a stockpile near the former contractor location and then it was produced by the contractor's crusher near the north end of Portage Pit. The fine filter material was hauled to the SD1 by 100 ton trucks and dumped on top of the coarse filter material in the slope. The fine filter layer was compacted with a 10 ton vibratory smooth drum roller without moisture conditioning.

Crushed rockfill material (fine and coarse filter) was supplied by AEM and contractors crushers. Crushed rockfill was produced from NPAG rockfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.7 Linear Low-Density Polyethylene Liner Installation

The 500 g/m^2 geotextile and 1.5 mm thick double textured LLDPE liner installation was carried out by Optimum Solution southward from the north abutment. The LLDPE liner rolls were stored in site in a lay down area near Stormwater Dike and moved to the SD1 crest prior installation in October 23rd, 2009. Full intact liner rolls were used and damaged areas from transportation, loading and unloading were discarded. Liner installation began on October 24th and finished on November 1st, 2009. During this period the temperature ranged between -18° and -25° Celsius.

The liner bedding surface was manually cleaned by hand shovel, air compressor and snow blower prior to liner deployment. A thin layer of fine filter material mixed with bentonite powder (approx. 8% by mass) was spread along the toe trench till surface and roller compacted.

Panels of geotextile were deployed and fused together in advance of the deployment of LLDPE liner. The geotextile was extended 2 m from the toe of the slope and ballasted.

The deployment of the liner was carried out with a CAT 345 excavator with a modified spreader bar to support the roll in the air over the crest and a combination of an ATV and manual support on the edges pulled the liner down the slope to the liner tie-in trench. A rub sheet was placed between the liner and geotextile and was progressively moved along the slope.

Seaming using a double track fusion welder was performed as panels were deployed. The LLDPE liner was cleaned by hand held wire brushes, bristle brooms and/or air compressor immediately prior to welding. The fusion welder was set up to operate at a temperature of 850°F. Trial welds were performed twice daily. The liner extended approximately 4 m out along the dam crest and 6 m from the toe of the slope. Sequential panel numbers were written on the liner using spray paint. Ballasting material was placed at the end of each shift. Vacuum box, air channel and tensile shear strength testing of the extrusion welds were completed. Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches.

Work was completed by Solution Optimum, under the supervision of AEM representatives.

5.1.8 Upstream Toe Trench Backfill

The liner at the tie-in trench was covered with a 1 m thick layer of fine filter material mixed with bentonite powder (approx. 8% by mass) using a CAT 345 excavator. The mix was placed in two 0.5 m thick layers from the toe of the slope to 8 m upstream and compacted with 4 passes of a 10 ton smooth roller without vibration. A loader was used to provide the mix material to the excavator in the upstream toe trench.

The work was generally performed during nightshift to avoid bentonite dust blowing while installing the liner.

The fine filter bentonite mix was covered with a 1 m thick layer of 200 mm minus material. The 200 mm minus material was packed with the bucket of the excavator. Fine rockfill material was placed on the upstream side of the trench backfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

5.1.9 Instrumentation installation

A total of 5 thermistors were installed on Saddle Dam 1. Four thermistors are functional. Locations are indicated in the as-built drawings available in Appendix C.

5.1.10 Liner Cover

The LLDPE liner on the slope was covered with a 0.3 m thick layer of fine filter material. The fine filter material was placed on the slope using a CAT 385 excavator with a long stick and then spread over the liner. The excavator at the base of the dam placed the liner cover from the toe of the slope to mid-slope and then to 1 m below the crest of the dam from a windrow berm of 20 mm minus material placed along the crest of the dam to provide a liner anchor and level the work surface for the excavator. A buttress berm between the upstream toe plug cover and the liner cover to provide additional confinement to the liner at the toe of the slope was completed.

5.1.11 Stage 2 Construction Progress

An attempt to prepare the 2010 footprint at the south abutment was undertaken; however, the active layer was frozen to the permafrost layer. Foundation preparation of the Stage 2 footprint was postponed to 2010 summer construction season.

5.2 Saddle Dam 1 Stage 1 – QA/QC activities

The QC program was managed and directed by AEM. QC testing was completed under the supervision of AEM. AEM supervised and monitored the construction activities.

A summary of Saddle Dam 1 - Stage 1 QA testing and monitoring is presented in Table 19.

Table 19: Summary of SD1 Construction QA Testing and Monitoring – Stage 1

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
General	Care of water	Visual observation	Continuous
	Borrow material Storage	Visual observation	Continuous
Foundation	Location and extents	Survey review	Continuous and

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
preparation			As Built following construction
	Subgrade inspection	Visual observation	Continuous
	Water content	1 in every 5 QC	53
Rockfill shell placement	Gradation	Visual observation	Continuous
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Coarse Filter	Gradation (stockpile and as placed)	1 in every 5 QC	2
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Fine Filter	Gradation (stockpile and as placed)	1 in every 5 QC	9
	Water content	1 in every 5 QC	0
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Trench backfill	Placement technique	Visual observation	Continuous
Geotextile	Seams and panels	Visual observation	Continuous
LLDPE geomembrane Liner	Liner sampling	Visual inspection	As Requested
	Liner rolls	Visual inspection	Each roll
	Seams	Visual inspection	Continuous
	Tensile shear strength of seams	Oversee 1 every 5 QC tests	14 10 (3rd Party shear and peel test of seams)
	Start-up and test seams	Oversee 1 every 5 QC	
	Vacuum box test	Oversee all QC tests	
	Air channel test	Oversee all QC tests	5
Liner cover	Gradation (stockpile and as placed)	1 in every 5 QC	1
	Compaction	Visual observation	Continuous
Instrumentation	Installation	Visual observation	

5.2.1 Foundation Preparation

QA/QC activities for the foundation preparation and foundation investigation included:

- Visual observation during foundation excavation, including removal of organic soils, thawing soils and ice rich soils;
- Visual observation during drilling, blasting and removal of ice-rich soils;
- *In situ* QA samples taken to assess ice content;
- Visual observation of waste material removal and disposal; and
- Foundation approval of competent subgrade.

Fifty-three QA samples were collected during foundation preparation within the upstream side footprint of Stage 1 and tested for ice and water contents of the foundation soils. Sampling of blasted frozen ground indicated that ice-rich till comprised the upper 4 m to 5 m from the original ground surface. Testing results from the samples from the subgrade were deemed unreliable due to contamination during debris cleaning after blasting.

Foundation approval by the QA team was given after visual inspection of the subgrade. Same approval was given also by the QC team.

5.2.2 Base Filter Placement

QA/QC activities for the base filter placement included:

- Visual observation of the base filter material gradation, lift thickness and segregation;
- Overview base filter material placement technique;
- Visual inspection of base filter layers compaction;
- Fine filter and coarse filter placement and compaction approval.

An inverted two layer base filter system was placed beneath the Stage 2 geomembrane liner projection prior to rockfill placement. The inverted filter system comprises a 0.5 m thick coarse filter layer over of a 0.5 m thick fine filter layer. Base filter placement and compaction was performed as specified. No in place QA base filter samples were tested during the construction program.

5.2.3 Initial Rockfill Shell Placement

QA/QC activities for the rockfill shell placement included:

- Visual observation of the rockfill gradation, lift thickness and segregation;
- Overview rockfill placement technique;
- Visual inspection of routed equipment to promote compaction;
- Upstream re-sloped rockfill surface approval.

The placement and compaction of the rockfill was observed and deemed to be satisfactory. Oversized material was removed from the upstream portion of the structure and placed in the downstream shell area.

5.2.4 Upstream Toe Trench Excavation

QA/QC activities for the upstream toe trench excavation included:

- Visual observation during foundation excavation, including removal of organic soils, thawing soils, ice rich soils and fractured bedrock;
- Foundation approval of competent subgrade;
- Visual observation of till placement and compaction;
- *In situ* till QA samples taken to assess particle size distribution and moisture content.

The excavation of the upstream toe trench was performed satisfactorily based on the observations made by the QA and QC team.

Four QA grain size distribution tests, two QA hydrometer tests and two QA water content tests were completed during the 2009 SD1 construction. Additionally, water content of the fraction passing the #4 mesh were recorded while completing the grain size distribution tests. Part of the laboratory results for till sample is presented in Appendix B.

5.2.5 Coarse and Fine Filter Placement

QA/QC activities for the liner bedding placement included:

- Visual observation of the liner bedding material gradation, lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview liner bedding material placement technique;
- Visual inspection of liner bedding compaction;
- Coarse filter and fine filter placement and compaction approval.

The fine filter material was obtained from a stockpile near the former contractor location and then it was produced by the contractor's crusher near the north end of Portage Pit. The grain size distribution tests showed that both sources satisfied the requirements of the specifications.

Two coarse filter and nine fine filter QA grain size distribution tests were completed during the 2009 SD1 construction. 1 every 5 QC gradation tests were required to satisfy the specifications. Part of the laboratory results for grain size distribution for sample are presented in Appendix B. The results indicate that gradation of the samples of coarse and fine filter materials placed were within the specification.

5.2.6 Linear Low-Density Polyethylene Liner Installation

The geomembrane installer Solution Optimum was responsible of the QC program during the installation, under the supervision of AEM. Golder was responsible of the QA program.

QA activities for the geotextile and LLDPE liner installation included:

- Liner bedding surface inspection;

- Visual observation of geotextile deployment and welding;
- Visual observation of liner deployment technique;
- Visual inspection of seams;
- Oversee QC tensile shear strength, vacuum box and air channel tests;
- Selection of in place LLDPE liner samples;
- Liner installation approval for liner cover placement;

The liner bedding surface was satisfactorily cleaned prior to geotextile and liner deployment. QA visually inspected all seams and all identified defects were repaired appropriately.

Panel 14 was blown down during deployment creating folds in the liner but no holes were identified. Solution Optimum placed beads of extrusion welding over scratches but no patching was performed. The full panel was used.

The LLDPE liner was satisfactorily cleaned prior to welding with a double track fusion welder however cleaning near the toe where bentonite powder was spread was not adequate. Liner welds met or exceeded the minimum required specified values. The speed, temperature, welding machine and date were not always recorded adjacent to each seam. Calibration welds were performed twice daily, at the start of the shift and in the afternoon.

Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches. Grinding was not always performed perpendicular to the seams.

QA oversaw 14 QC tensile shear strength and five QC air channel tests. QA reported the length of testing of air channel tests was observed to not always meet the requirements of the specifications. The seal for vacuum box testing was not always held for the specified length of time.

Ten *in situ* seam liner samples were tested at an independent laboratory for shear and peel test. The tested samples complied with the specifications.

QC test results available are presented in Appendix B.

5.2.7 Upstream Toe Trench Backfill

QA/QC activities for the upstream toe trench backfill included:

- Visual observation of the fine filter bentonite powder mix gradation, lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview placement technique;
- Visual inspection of backfill compaction.

The work was generally performed during nightshift to avoid bentonite dust blowing while installing the liner. Golder observations were limited to dayshift.

A 50 ton truck hauling fine filter and bentonite powder mix was observed trafficking over the 1 m thick layer of fine filter and bentonite powder mix. No investigation was carried out to assess potential damage to the liner.

Four fine filter and bentonite powder mix QA grain size distribution tests were completed during the 2009 SD1 construction. The moisture content of the fraction under #4 mesh were recorded while completing the grain size distribution tests. Additionally, one standard Proctor and one permeability test were carried out on a combined sample. The permeability test was carried out at 95% of the standard Proctor maximum dry density.

QA testing by Golder for Saddle Dam 1 fine filter bentonite powder mix grain size distribution are presented in Appendix B.

5.2.8 Instrumentation Installation

AEM supervised every instrumentation installation for SD1 – Stage 1. As-built location and installation elevation were recorded by AEM and are presented in the as-built drawing in Appendix C.

5.2.9 Liner Cover

QA activities for the liner cover placement included:

- Visual observation of the liner cover material gradation, lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview of liner cover material placement technique;

The LLDPE liner on the slope was covered with a 0.3 m to 0.6 m thick layer of fine filter material. The liner cover thickness was generally adequate.

Golder observed excavator tracks extending beyond the toe trench over the north extremity of the liner at the north abutment. An investigation of the liner in the area showed no damage.

A buttress berm between the upstream toe plug cover and the liner cover to provide additional confinement to the liner at the toe of the slope was completed.

One liner cover QA grain size distribution test was completed during the SD1 Stage 1 construction. Additionally, moisture content of the fraction under #4 mesh were recorded while completing the grain size distribution tests. Part of the laboratory result is presented in Appendix B.

6.0 SADDLE DAM 1 CONSTRUCTION – STAGE 2 (2010)

6.1 Saddle Dam 1 Stage 2 – Construction Activities

Saddle Dam 1 Stage 2 construction started in July of 2010.

The general Stage 2 construction work sequence for Saddle Dam 1 consisted of:

- Foundation preparation (north and south abutments);
- Fine filter base;
- Coarse filter base;

- Stage 2 rockfill shell placement (raise crest to El. 150 m);
- Liner bedding (coarse filter and fine filter) placement and compaction;
- Liner system placement to the Stage 2 crest El. 150 m;
- Liner cut-off trench backfill and tie-in with 2009 liner; and
- Liner cover (north and south abutments).
- Survey was carried out at the start, during and completion of each activity, under the supervision of AEM.

Earthwork construction activities for the SD1 Stage 2 were completed by the contractor FGL and AEM, under the supervision of AEM representatives. Layfield was contracted for the LLDPE liner installation. Construction activity details for SD1 Stage 2 are summarized in Table 20 and are described in subsequent sections.

Table 21 presents a summary of the main characteristics for the Stage 2construction of the SD1.

Table 20: Summary of Construction Activities for Saddle Dam 1-Stage 2

Activity	By	Start Date	Completion Date	Notes
Foundation preparation	AEM	Prior to August 6th, 2010	Mid-August 2010	• North and south abutments. Includes the use of fine filter mixed with bentonite used to cover discontinuities
Fine filter base	AEM	August 27th, 2010	September 5th, 2010	• North and south abutments
Coarse filter base	AEM	August 28th, 2010	September 5th, 2010	• North and south abutments
Stage 2 Rockfill shell placement	AEM	August 27th, 2010	September 17th, 2010	
Liner tie-in cut-off toe	AEM	Prior to	September	• North and south

Activity	By	Start Date	Completion Date	Notes
trench excavation		August 6th, 2010	27th, 2010	abutments completed Sept 27th, 2010 • No cover required between abutments as tie-in with 2009 liner
Liner bedding (coarse and fine filter) placement	AEM	September 6th, 2010	October 1st, 2010	• Completed north and south abutments Sept 17th, 2010 • Completed portion between north and south abutments Oct 1st, 2010
Liner System Placement	Layfield Group	September 20th, 2010	November 8th, 2010	• Completed north and south abutments Sept 22nd, 2010 • Central portion between north and south abutments completed Nov 8th, 2010
Liner cut-off trench backfill and tie-in with 2009 liner	AEM	September 6th, 2010	November 6th, 2010	• North and south abutments completed Sept 27th, 2010 • Tie-in with 2009 liner completed Nov 6th, 2010
Instrumentation Installation	AEM	Mid-October, 2010	End-October, 2010	
Liner Cover	AEM	September 24th, 2010	October, 2010	

Table 21 :Saddle Dam 1– Stage 2 (2010) As-Built Characteristics

Item	Saddle Dam 1	Unit
Stage 1 Crest elevation	150	m a.s.l.
Rockfill width at crest	15 (min)	m
Crest length	400	m
Maximum rockfill base width	Approx. 200	m
Upstream slope		3H : 1V
Dike Seepage Control	LLDPE	-

6.1.1 Construction Materials and Quantities

The materials used in the construction are described in the specifications. Table 22 summarizes the earthwork quantities for SD1 during Stage 2 construction.

Table 22: Summary of SD1 Estimated Earthworks Construction Quantities

Item	As-built Quantity	Unit
Foundation excavation quantity	3,100	m3
Foundation Surface Preparation	10,300	m2
Fine Filter Base	9,500	m3
Coarse Filter Base	8,800	m3
Rockfill shell	85,500	m3
Upstream toe trench excavation	2,500	m3
Till toe trench backfill	1100	m3
20 mm minus and assume 8% bentonite mix toe trench backfill	1,200	m3
Geotextile	11,000	m2
LLDPE Liner	11,000	m2

Notes : Quantities are not as-built.

6.1.2 Foundation Preparation Stage 2 Construction

Foundation preparation for Stage 2 was carried out on both the north and south abutments of SD1 between about El. 141 to 150 m following the footprint of Stage 2 for SD1. The foundation preparation consisted of the excavation and removal of organics, thawed surficial soils, frozen and ice-rich soils and fractured bedrock. Organic and thawing soils were excavated with a CAT 385 and/or CAT 345 excavators and hauled to a waste soil area upstream of SD1. No blasting was carried out during foundation preparations during 2010 construction works. The bedrock surface was exposed along the entire upstream and downstream footprints of the north and south abutments between about STA. 0+025 to 0+100 and STA. 0+345 to 0+461, respectively and was manually cleaned with brushes, shovels and an air compressor. The bedrock was considered suitable for foundation support of both the north and south abutments.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.3 Base Filter Placement

An inverted two layer base filter system was placed over the upstream portion between STA. 0+025 to 0+100 and STA. 0+320 to 0+460 of the north and south abutments, respectively of the Stage 2 footprint prior to rockfill placement. The inverted filter system consists of a 0.5 m thick coarse filter layer overlying a 0.5 m thick fine filter layer. Prior to placement of the initial lift of the inverted filter, crush (19 mm) mixed with dry bentonite was placed over larger bedrock aperture fractures and uneven surfaces. It was placed locally by excavator bucket and hand shovel and then surveyed by AEM.

The fine filter material (20 mm minus) was placed at the base of the excavation sequentially as the foundation surface was approved. The fine filter material hauled by 100 ton trucks. The 20 mm material was placed with a D9 dozer for a thickness of about 0.5 m. The fine filter layer was compacted with a 10 ton vibratory smooth drum roller without moisture conditioning.

The coarse filter material (200 mm minus) was placed over the fine filter layer with a D8 or D9 dozer for a thickness of about 0.5 m. The 200 mm minus material was produced at AEM's

crusher and hauled by 100 ton trucks. The coarse filter layer was compacted, with no moisture conditioning, with a 10 ton vibratory smooth drum roller.

Crushed rockfill materials (coarse filter and fine filter) were supplied by AEM and contractor's crushers. Crushed rockfill material was produced from NPAG rockfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.4 Initial Rockfill Shell Placement

The rockfill shell was constructed using NPAG rockfill from the Portage Pit. The rockfill shell placement occurred in several phases, but was completed in about 30 days and involved a large quantity of equipment. The rockfill was hauled primarily using 100 and 150 ton trucks and placed with a D8 or D9 dozer in 1.5 m to 2 m thick horizontal lifts to El. 150 m. Placement of material and subsequent compaction of the rockfill material was performed to promote compaction using loaded haul trucks and placement equipment.

Following rockfill placement, CAT 385 and/or CAT 345 excavators re-sloped the upstream side slope to 3H:1V and larger rocks were removed prior to placement of bedding layers.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.5 Upstream Toe Trench Excavation

The upstream toe trench excavation on the north and south abutments between about El. 141 and 150 m was carried out to a depth of approximately 2 m to 3 m below the existing ground surface, depending on the depth to bedrock. Organics, thawing surficial soils, ice-rich and frozen materials and fractured bedrock were removed with an excavator and the foundation surface manually cleaned with shovels, bristle broom, rakes, water, and air-compressor. The bedrock surface was exposed along the entire upstream toe at the north and south abutments.

Following subgrade approval, a 25 mm to 50 mm thick layer of fine filter crush (19 mm) material mixed with bentonite powder (approx. 8% by mass) was spread where larger apertures and discontinuities occurred in the bedrock and the bedrock surface was uneven. Till was placed in 0.5 m thick loose lifts with a D8 or D9 dozer and compacted by track packing with a either

dozer or CAT 345 excavator and two to three passes of a 10 ton smooth non-vibratory drum roller.

The till layers were placed in multiple lifts on either abutment commencing at around El. 150 m and progressing towards the existing liner cap placed during Stage 1 (2009) construction at STA. 0+100 and STA. 0+320 for the north and south abutments, respectively. Each lift surface was scarified or tracked with the dozer prior to placement of subsequent lifts.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.6 Coarse and Fine Filter Placement

A two layer bedding system was placed in horizontal lifts, 0.5 m thick, along the rockfill upstream side slope sequentially as the rockfill shell was raised. The bedding layers were placed starting at both of the furthest extents of the north and south abutments of the dam and then towards the centre.

The coarse filter material (200 mm minus) was placed over the rockfill upstream side slope with a CAT 345/350 excavator. The 200 mm minus material was produced by AEM crusher and hauled to the SD1 by 100 ton trucks. The coarse filter layer was compacted with a 10 ton vibratory smooth drum roller without moisture conditioning.

The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with a CAT 345/350 excavator. The 20 mm minus material was obtained from a stockpile near the former contractor location and then it was produced by the contractor's crusher near the north end of Portage Pit. The fine filter material was hauled to SD1 by 100 ton trucks and dumped at the crest on top of the coarse filter material onto the slope. A CAT 345/350 excavator bucket moved material downslope prior to compaction. The fine filter layer was compacted with a 10 ton vibratory smooth drum roller with a minimum of three (3) passes and without moisture conditioning.

Crushed rockfill materials (coarse filter and fine filter) were supplied by AEM and contractor's crushers. Crushed rockfill material was produced from NPAG rockfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.7 Linear Low-Density Polyethylene Liner Installation

The 500 g/m^2 geotextile and 1.5 mm thick double textured LLDPE liner installation was carried out by Layfield in two phases. The initial phase of liner deployment commenced from the north and south abutments and progressed towards the centre to about STA. 0+100 and 0+320, respectively. The second phase of liner deployment continued after the coarse and fine filter placement was completed on the upstream dam face between the above mentioned stations and then commenced at STA. 0+320 and progressed northwards towards STA. 0+100. The LLDPE liner rolls were stored on site near the north end of SD1 and/or immediately west of downstream face of SD2 and moved to the SD1 crest prior installation. Full intact liner rolls were used and damaged areas from transportation, loading and unloading were discarded. Liner installation began on September 1st, 2010 and finished on November 8th, 2010. During this period the temperature ranged between 10° and -20° Celsius.

The liner bedding surface was manually cleaned by hand and snow shovels, and bristle broom, prior to liner deployment. Between about STA. 0+100 and 0+320 latitudinal ridges formed in the fine filter during compaction of the upstream face. As the fine filter material was frozen during liner deployment panels (double if necessary) of geotextile were deployed in advance of the LLDPE liner to protect the LLDPE geomembrane. Adjacent panels of geotextile were fused together and the geotextile was extended about 1 to 2 m from the toe of the slope and ballasted where it did not tie-in with the 2009 liner. Where the 2009 liner existed the geotextile was cut short and the LLDPE geomembrane overlapped the 2009 liner by at least 1 m.

The deployment of the liner was carried out with a CAT 345 excavator with a modified spreader bar to support the roll in the air over or slightly behind the crest and manual support on the edges to allow the liner to be pulled down the slope to the liner tie-in trench or overlap with the 2009 liner. Seaming using a double track fusion welder was performed as panels were deployed. The LLDPE liner was cleaned by hand held dry rags and/or bristle brooms immediately prior to welding. The fusion welder was set up to operate at a temperature of 850°F or 400ºC and at a speed of 5 ft/min (1.5 m/min). Trial welds were performed twice daily when welding was carried out all day, otherwise, only once prior to the commencement of welding. The liner extended approximately 4 m out along the dam crest and where it was not tied into the 2009 liner. Sequential panel numbers were not written on the liner as per the specifications.

Ballasting material was placed at the dam crest over the liner and if necessary along the panel edges as the work was completed or at the end of each shift.

Vacuum box, air channel and tensile shear strength testing of the extrusion welds were completed. Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches, which was followed by vacuum box testing.

Work was completed by Layfield, under the supervision of AEM representatives

6.1.8 Upstream Toe Trench Backfill

The liner at the tie-in trench was covered with till materials using a CAT 345D excavator with material transported to the site by 50 and 100 ton trucks. Till was placed in 0.3 to 0.9 m thick loose layers from the toe of the slope on the north and south abutments to 8 m upstream and compacted initially with the bucket of the excavator, which was subsequently followed with four passes of a 10 ton smooth drum roller without vibration.

Work was completed by FGL and AEM, under the supervision of AEM representatives

6.1.9 Instrumentation Installation

AEM supervised every instrumentation installation for SD1 – Stage 1. As-built location and installation elevation were recorded by AEM and are presented in the as-built drawing in Appendix C.

6.1.10 Liner Cover

Till materials were placed with a CAT 345 over the liner in subsequent loose lifts of 0.3 to 0.5 m thick and compacted with the bucket of the excavator. Work was completed by FGL and AEM, under the supervision of AEM representatives

6.2 Saddle dam 1 Stage 2 – QA/QC activities

The QC program was managed and directed by AEM. QC testing was completed under the supervision of AEM. AEM supervised and monitored the construction activities.

A summary of Saddle Dam 1 QA testing and monitoring is presented in Table 23.

Table 23: Summary of SD1 Construction QA Testing and Monitoring

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
General	Care of water	Visual observation	Continuous
	Borrow material Storage	Visual observation	Continuous
Foundation preparation	Location and extents	Survey review	Continuous and As Built following construction
	Subgrade inspection	Visual observation	Continuous
	Water content	1 in every 5 QC	0
Rockfill shell placement	Gradation	Visual observation	Continuous
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Coarse Filter	Gradation (stockpile and as placed)	1 in every 5 QC	2
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Fine Filter	Gradation (stockpile and as placed)	1 in every 5 QC	5
	Water content	1 in every 5 QC	5
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Trench backfill	Placement technique	Visual observation	Continuous
Geotextile	Seams and panels	Visual observation	Continuous
LLDPE geomembrane Liner	Liner sampling	Visual inspection	As Requested
	Liner rolls	Visual inspection	Each roll
	Seams	Visual inspection	Continuous
	Tensile shear strength of seams	Oversee 1 every 5 QC tests	30 (3rd Party shear and peel test of seams)
	Start-up and test seams	Oversee 1 every 5 QC	
	Vacuum box test	Oversee all QC tests	Periodic
	Air channel test	Oversee all QC tests	Periodic
Liner Cover	Gradation (stockpile and as placed)	1 in every 5 QC	0
	Compaction	Visual observation	Continuous

6.2.1 Foundation Preparation

QA/QC activities for the foundation preparation included:

- Visual observation following foundation excavation, including removal of organic soils, thawing soils and ice rich soils;
- Visual observation of waste material removal and disposal; and
- Foundation approval of competent subgrade.

QA activities began on August 6th, 2010 at SD1. Prior to the commencement of QA activities at this structure excavation/stripping of the overburden on both the north and south abutments between approximately El. 141 m and 150 m had largely been completed.

Foundation approval by the QA team was given after visual inspection of the clean bedrock subgrade on the upstream side of the dam crest. Same approval was also given by the QC team.

6.2.2 Base Filter Placement

QA/QC activities for the base filter placement included:

- Visual observation of the base filter material gradation, lift thickness and segregation;
- Overview base filter material placement technique;
- Visual inspection of base filter layers compaction; and
- Fine filter and coarse filter placement and compaction approval.

The inverted filter system comprises a 0.5 m thick coarse filter layer over of a 0.5 m thick fine filter layer. Base filter placement and compaction was performed as specified.

6.2.3 Initial Rockfill Shell Placement

QA/QC activities for the rockfill shell placement included:

- Visual observation of the rockfill gradation, lift thickness and segregation;
- Overview rockfill placement technique;
- Visual inspection of routed equipment to promote compaction; and
- Upstream re-sloped rockfill surface approval.

The placement and compaction of the rockfill was observed and deemed to be satisfactory. Oversized material was removed from the upstream portion of the structure and placed in the downstream shell area.

6.2.4 Upstream Toe Trench Excavation

QA/QC activities for the toe trench excavation included:

- Visual observation following foundation excavation, which included removal of organic soils, thawing soils, ice rich soils and fractured bedrock; and
- Foundation approval of competent subgrade.

The upstream toe trench excavation was largely completed when QA activities commenced at SD1 on August 6th, 2010. The excavation of the upstream toe trench was performed satisfactorily based on the observations made by QA.

6.2.5 Coarse and Fine Filter Placement

QA/QC activities for the liner bedding placement included:

- Visual observation of the liner bedding material gradation, lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview liner bedding material placement technique;
- Visual inspection of liner bedding compaction; and

- Coarse filter and fine filter placement and compaction approval.

The fine and coarse filter material was obtained from a stockpile near the former contractor location and then it was produced by the AEM and contractor's crusher near the north end of Portage Pit. The grain size distribution tests showed that both sources satisfied the requirements of the specifications.

Two coarse filter and five fine filter QA grain size distribution tests were completed during the 2010 SD1 construction. 1 in every 5 QC gradation tests were required to satisfy the specifications.

QA testing by for coarse and fine filter grain size distribution including envelope limits as specified in the technical specifications are summarized and presented in Appendix B. Laboratory results for grain size distribution for each sample are also presented. The results show that gradation of the samples of coarse filters satisfied the specifications for one of the two samples tested. The results indicate that, in general, the fine filter material placed was within the gradation specifications.

6.2.6 Linear Low-Density Polyethylene Liner Installation

The geomembrane installer Layfield was responsible of the QC program during the installation, under the supervision of AEM. Golder was responsible of the QA program.

QA activities for the geotextile and LLDPE liner installation included:

- Liner bedding surface inspection;
- Visual observation of geotextile deployment and welding;
- Visual observation of liner deployment technique;
- Visual inspection of seams;
- Oversee majority of QC tensile shear strength, vacuum box and air channel tests;
- Selection of in place LLDPE liner samples; and

- Liner installation approval for liner cover with till.

The liner bedding surface was satisfactorily cleaned prior to geotextile and liner deployment between STA. 0+025 to 0+100 and 0+320 to 0+460; however, between STA. 0+100 and 0+460 the liner bedding surface had latitudinal ridges of frozen fine filter material. Although cleaning was carried out and removal of the ridges attempted, it was required to deploy additional geotextile in advance of the liner deployment. Golder visually inspected all seams and all identified defects were repaired appropriately.

Moderate winds were present during deployment of some of the panels between Panels 34 to 65 and Panels 17 to 19 that resulted in wrinkles. In particular, wrinkles adjacent to the 2009 liner tie-in were observed. Strong winds were present upon completion of all panels installed which caused uplift of the liner some 1 m to 2 m off of the liner bedding surface, which caused shifting of wrinkles and tension at both the crest and toe of the liner. Layfield placed beads of extrusion welding over scratches but no patching was performed or necessary. No visible damage or holes were identified; however, an additional inspection is recommended in 2011 as the liner was partially covered in snow. The LLDPE liner was satisfactorily cleaned prior to welding with a double track fusion welder. Liner welds met or exceeded the minimum required specified values. The speed, temperature, welding machine and date were always recorded adjacent to each seam. Calibration welds were performed twice daily when welding occurred all day (*i.e.*, at the start of the shift and in the afternoon) or once immediately prior to commencing seam welding.

Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches. Golder oversaw 30 QC tensile shear strength tests. No record of the number of QC vacuum box or air channel tests and start-up and test seams observed by Golder was maintained; however, the length of testing of air channel tests was observed to not always meet the requirements of the specifications and retesting was requested. Furthermore, air testing failed between Panel 34 and the 2009 liner at about El. 141 m which was subsequently covered by stockpile till. The seal for vacuum box testing was not always held for the specified length of time.

Part of the QC test results is available in Appendix B.

6.2.7 Upstream Toe Trench Backfill

QA/QC activities for the upstream toe trench backfill above the liner included:

- Visual observation of the till material, lift thickness and segregation;
- *In situ* and stockpile QA samples taken to assess particle size distribution;
- Overview placement technique; and
- Visual inspection of backfill compaction.

Four till QA grain size distribution tests were completed during 2010 by Golder for Saddle Dam 1 and the available results are summarized and presented in Appendix B with laboratory results. Natural moisture content determination was carried out on the fraction that passed the #4 mesh while completing the grain size distribution tests.

6.2.8 Instrumentation Installation

AEM supervised every instrumentation installation for SD1 – Stage 1. As-built location and installation elevation were recorded by AEM.

6.2.9 Liner Cover

QA/QC activities for the liner cover placement included:

- Visual observation of the liner cover material lift thickness; and
- Overview of liner cover material placement technique;

No QA samples were taken of the liner cover. 1 in every 5 QC samples was required.

7.0 SADDLE DAM 2 CONSTRUCTION –STAGE 1 (2010)

7.1 Saddle Dam 2 Stage 1- Construction Activities

Stage 1 Saddle Dam 2 (SD2) construction started in July 2010 it was fully completed to El. 146 m and only partially completed between El. 146 m to 150 m. Remaining works (Stage 2) include completion of the bedding surface, liner deployment and subsequent testing, and instrumentation installation.

The general construction work sequence for Saddle Dam 2 consisted of:

- Foundation investigation for ice-rich/ice-poor soil determination;
- Foundation preparation;
- Fine filter base;
- Coarse filter base;
- Rockfill shell placement;
- Liner cut-off trench excavation;
- Liner bedding (coarse filter and fine filter) placement and compaction;
- Liner system placement;
- Liner cut-off trench backfill;
- Liner cover;
- Instrumentation installation (slope); and
- Instrumentation installation (base and crest).

Earthwork construction activities for the SD2 Stage 1 were completed by the contractor FGL and AEM, under the supervision of AEM representatives. Layfield was contracted for the LLDPE

liner installation. Construction activity details for SD1 Stage 2 are summarized in Table 24 and are described in subsequent sections.

Table 25 presents a summary of the main characteristics for the Stage 1 construction of the SD2.

Table 24: Summary of Construction Activities for Saddle Dam 2

Activity	By	Start Date	Completion Date	Notes
Foundation preparation	AEM	Prior to July 28th, 2010	Mid-September	• Golder Team arrived on-site July 21st, 2010
Foundation investigation for ice-rich/ice-poor soil determination	AEM Golder	August 1st, 2010	August 4th, 2010	• Air-track drilling
Fine filter base	AEM	September 1st, 2010	Mid-September	
Coarse filter base	AEM	September 2nd, 2010	Mid-September	
Rockfill shell placement	AEM	September 1st, 2010	October 27th, 2010	• Completed to El. 150 m
Liner tie-in cut-off toe trench excavation	AEM	Prior to July 28th, 2010		
Liner bedding (coarse and fine filter) placement	AEM	September 13th, 2010	October 20th, 2010	• Completed along the upstream of the dam face to El. 146 m • Completed along the upstream of the dam face between STA. 20+570 to 20+395 from El. 146 to 150 m • Completion still required from STA. 20+395 (El. 146 to 150

Activity	By	Start Date	Completion Date	Notes
				m) to northwest abutment. 2011
Liner System Placement	Layfield Group	September 23rd, 2010	October 25th, 2010	• Completion along upstream of dam face to El. 146 m on Oct 5th, 2010 • Completion along upstream of dam face between STA. 20+490 to 20+570 to El. 150 m on Oct 25th , 2010 • Completion still required from STA. 20+490 (El. 146 to 150 m) to northwest abutment. 2011
Liner cut-off trench backfill	AEM	September 13th, 2010	October 6th, 2010	• Completion of till plug
Liner cover	AEM	October 7th , 2010	October 24th, 2010	• Completion of geotextile deployment over LLDPE liner to El. 145 m on Oct 7th, 2010 • Surcharge lift completed to El. 145 m on Oct 22nd, 2010 • Bituminous geomebrane over LLDPE between STA. 20+490 to 20+570 on Oct

Activity	By	Start Date	Completion Date	Notes
				24th, 2010

Table 25: Saddle Dam 2– Stage 1 (2010) As-Built Characteristics

Item	Saddle Dam 2	Unit
Stage 1 Crest elevation	150	m a.s.l.
Rockfill width at crest	15 min.	M
Crest length	400	M
Maximum rockfill base width	Approx. 50	M
Upstream slope		3H : 1V
Dike Seepage Control	LLDPE	-

7.1.1 Construction Materials and Quantities

The estimated material quantities used in the construction are described in the specifications. Table 26 summarizes the earthwork quantities for SD2.

Table 26: Summary of SD2 estimated Earthworks Construction Quantities

Item	Estimated Quantity	Unit
Foundation excavation quantity	-	m^3
Fine Filter	33,200	m^3
Coarse Filter	20,800	m^3
Rockfill shell	176,200	m^3
Upstream toe trench excavation	-	m^3
20 mm minus and assume 8% bentonite mix toe trench backfill	7,400	m^3
Geotextile	30,800	m^2
LLDPE Liner	22,600	m^2

Notes: Quantities are not as-built.

7.1.2 Foundation Preparation and Foundation Investigation for Ice-Rich / Ice-Poor Soils

Upon arrival and initial inspection, stripping of the upper 1 to 1.5 m overburden beneath the upstream foundation footprint between about STA. 20+100 to 20+490 had been completed. The foundation conditions were investigated with air track test holes put down along the upstream footprint of SD2. The foundation preparation beneath the upstream side of SD2 consisted of stripping organics and thawed surficial soils, followed by ripping and excavation of any frozen soil and fractured bedrock. Localized blasting of large boulders was required near the southend of the dam within the upstream side footprint. The bedrock surface was exposed along the entire upstream toe of the dam and was manually cleaned with bristle brooms, rakes, and shovels.

Trenches (ditches) were excavated at the base and upstream of SD2 future upstream toe to promote drainage towards the TSF tailings basin of the thawing foundation surficial soils prior to construction. Organic and thawing soils were excavated with dozer and a CAT 345D excavator and hauled to a waste soil dump site off of the rock fill road on the east side of the TSF basin (i.e., near the landfill).

Ice-rich materials were removed by using a dozer equipped with a blade and ripper for an average depth of 2.5 m with a maximum depth of about 4 m beneath the ground surface for the projection of the geomembrane liner to be installed to the finished crest El. 150 m. Confirmation test holes were drilled in the upstream side of the SD2 footprint to verify the extent of ice-rich soils. A suitable bedrock foundation was found within 4 m of the surface, thus stripping of the overburden was carried out down to bedrock on the upstream side of the SD2 footprint. Sampling of frozen ground indicated that ice-rich till was observed within about 2 m from the original ground surface or up to 2 m above the bedrock.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.3 Base Filter Placement

An inverted two layer base filter system was placed over the upstream portion excluding the area of the till plug tie-in, of the footprint prior to rockfill placement. The inverted filter system comprises a 0.5 m thick coarse filter layer, which overlies a 0.5 m thick fine filter layer.

The fine filter material (20 mm minus) was placed at the base of the excavation sequentially as the foundation surface was approved. The fine filter material was produced with NPAG rockfill by at Other's crusher and hauled by 100 ton trucks. The 20 mm material was placed with a D6 dozer for a thickness of about 0.5 m. The fine filter layer was compacted with a 10 ton vibratory smooth drum roller with three passes without moisture conditioning.

The coarse filter material (200 mm minus) was placed over the fine filter layer with a D6 dozer for a thickness of about 0.5 m. The 200 mm minus material was produced at AEM's crusher and hauled by 100 ton trucks. The coarse filter layer was compacted with a 10 ton vibratory smooth drum roller 3 passes and no water was added.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.4 Rockfill Shell Placement

The rockfill shell was constructed using rockfill from the Portage Pit. The rockfill shell placement was completed in about 60 days and involved a large quantity of equipment. The rockfill was hauled primarily using 100 and 150 ton trucks and placed with a D9 dozer in multiple 1.5 m to 2 m thick horizontal lifts to El. 150 m. Placement of rockfill material was carried out to promote compaction using loaded haul trucks and placement equipment.

Following rockfill placement, CAT 345 excavators re-sloped the upstream side slope to 3H:1V and larger rocks were removed prior to placement of bedding layers.

Rockfill materials for Saddle Dam 2 construction were geochemically classified as NPAG by AEM and supplied from on-site quarries.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.5 Upstream Toe Trench Excavation

The upstream toe trench excavation was carried out to a depth of 2 m to 4 m, depending on the depth to bedrock, and removing organics, thawing soils, ice-rich materials and fractured bedrock. As mentioned above, ice-rich materials were removed by a dozer equipped with a ripper to a depth of up to 4 m at the base of the trench. Confirmation test holes were drilled to verify the extent of ice-rich soils. Sampling of frozen ground indicated that ice-rich till was observed

within about 2 m from the original ground surface or up to 2 m above the bedrock. The bedrock surface was exposed along the entire upstream toe of SD2 and was manually cleaned with bristle brooms, shovels.

The excavated waste material was hauled to a waste dump site off of the rock fill road on the east side of the TSF basin, near the landfill.

Following subgrade approval, a layer 25 mm to 100 mm thick of fine filter (20 mm) crush mixed with dry bentonite (approximately 8% by mass) was placed locally over larger apertures in the bedrock; these locations were surveyed by AEM. Till was then placed in 0.5 m thick loose lifts with a D6 dozer and compacted by track packing with the dozer or CAT 345D excavator and up to 4 passes of a 10 ton smooth static drum roller. The till material was sourced from a borrow area off of the West Road adjacent to the Portage Pit.

Till layers were placed commencing just southeast from the central portion of the dam in multiple lifts and progressed towards the northwest abutment. Till placement to the southeast abutment occurred after till placement to the northwest abutment was completed. The majority of the lift surfaces were at least partially scarified or tracked with a D6 dozer or CAT 345D prior to placement of subsequent lifts. Due to ponding water on the surface of the till between approximately STA. 20+170 to 20+245 the upper soften till was removed by the smooth edge bucket of the CAT 345D and then immediately afterwards an approximately 25 mm layer of bentonite powder was spread. Furthermore, between about STA. 20+200 to 20+245 till premixed with bentonite was placed in two separate loose lifts of about 0.45 m thick each. To avoid ‘pumping’ of the till material compaction was limited to tracking by the CAT 345D. All other till at the plug tie-in was placed without bentonite.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.6 Coarse and Fine Filter Placement

A two layer bedding system was placed by AEM in horizontal lifts, 0.5 m thick, along the rockfill upstream side slope sequentially as the rockfill shell was raised to El. 146 m. Similarly, the two layer bedding system was placed from El. 146 m to 150 m between STA. 20+395 to 20+570 with completion required from STA. 20+395 towards the northwest abutment. The bedding layers were initially placed in the central portion of the dam and then towards the northwest abutment.

The coarse filter material (200 mm minus) was placed over the rockfill upstream side slope with a CAT 345 excavator. The 200 mm minus material was produced by AEM crusher and hauled to the SD2 by 100 ton trucks. The coarse filter layer was compacted with a minimum three passes of a 10 ton vibratory smooth drum roller without moisture conditioning.

The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with a CAT 345 excavator. The 20 mm minus material was obtained from a stockpile near the former contractor location and then it was produced by crusher near the north end of Portage Pit. The fine filter material was hauled to SD2 by 100 ton trucks and dumped on top of the coarse filter material on the slope. Compaction of the fine filter layer was completed with a 10 ton smooth drum roller.

Crushed rockfill materials (coarse filter and fine filter) were supplied by AEM and contractor's crushers. Crushed rockfill material was produced from NPAG rockfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.7 Linear Low-Density Polyethylene Liner Installation

The 500 g/m^2 geotextile and 1.5 mm thick double textured LLDPE liner installation was carried out by Layfield northwest ward from the southeast abutment. The LLDPE liner rolls were stored at the east end of the Stormwater Dike and/or immediately west of the downstream side of SD2 in a lay down area. Liner rolls were moved to the SD2 crest prior to installation, as required, commencing on September 23rd, 2010. Full intact liner rolls were used and damaged areas from transportation, loading and unloading were discarded. Liner installation began on September 23rd and continued in phases until October 25th, 2010. During this period the temperature ranged between -5° and 10° Celsius. As of October 25th, 2010, liner had been deployed on the upstream SD2 dam face between STA. 20+490 to 20+570 to El. 150 m; however, completion is still required from STA. 20+490 (El. 146 to 150 m) to northwest abutment (2011 construction season).

The liner bedding surface was manually cleaned by hand shovels, rakes, and bristle broom, if required, prior to liner deployment. Panels of geotextile were deployed and fused together in advance of the deployment of LLDPE liner between about STA. 20+320 to 20+355 and STA. 20+170 to 20+258. The geotextile was extended about 1 m from the toe of the slope and ballasted.

The deployment of the liner was carried out with a CAT 345D or 350 excavator with a modified spreader bar to support the roll in the air over or slightly behind the crest and manual support on the edges to allow the liner to be pulled down the slope to the liner tie-in trench. No rub sheet was placed between the liner and geotextile during deployment.

Seaming using a double track fusion welder was performed as panels were deployed. The LLDPE liner was cleaned by hand held dry rags and/or bristle brooms immediately prior to welding. The fusion welder was set up to operate at a temperature of 400ºC and at a speed of 1.5 m/min. Trial welds were performed twice daily when welding was carried out all day, otherwise, only once immediately prior to the commencement of welding. The liner extended approximately 4 m out along the dam crest and varied between 6 to 11 m from the toe of the slope. Sequential panel numbers were written on the liner as per the specifications. Ballasting material was placed at the dam crest over the liner and if necessary along the panel edges as the work was completed or at the end of each shift.

Vacuum box, air channel and tensile shear strength testing of the extrusion welds were completed. Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches, which was followed by vacuum box testing.

Work was completed Layfield, under the supervision of AEM representatives

7.1.8 Upstream Toe Trench Backfill

The liner at the tie-in trench was covered with till materials using a CAT 345D excavator with material transported to the site by 50 and 100 ton trucks. Till over the liner was placed in 0.5 to 0.9 m thick layers in several individual steps. The initial step commenced about 2 to 3 m upstream of the toe and extended about 6 to 12 m upstream from the toe. This resulted in an approximately 2 m wide ditch-line upstream of the end of the liner toe. The ditch was then backfilled as to contain and directed drainage from surface run-off towards the elevation low point upstream of the SD2 dam face at about STA. 20+180. From here ponding snow-melt and surface run-off was pumped up and over the construction road upstream (*i.e.* east). Finally, the 2 to 3 m immediately adjacent and upstream of the SD2 dam face toe was backfilled as the surcharge cover, discussed below, was placed. Lifts were compacted initially with the bucket of

the excavator, which was subsequently followed with three to four passes of a 10 ton smooth roller without vibration. It was recorded that cobbles were locally placed against the liner.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.1.9 Instrumentation installation

AEM supervised instrumentation installation for SD2. As-built location and installation elevation were recorded by AEM and are presented in the as-built drawing in Appendix C.

7.1.10 Liner Cover

The LLDPE liner on the upstream face of the SD2 slope was covered with geotextile from the toe to about El. 145 m in preparation of applying a surcharge lift to the liner and till tie-in plug to mitigate uplift pressure effects from downstream surface run-off and near surface groundwater flow.

The till surcharge material was placed using a CAT 345D excavator in two loose 0.6 m lifts over the full width of the existing SD2 till plug material. This was followed by a 0.6 m lift of till material placed immediately over the geotextile that covered the upstream SD2 dam face slope to El. 145 m. This latter surcharge material was also placed with the excavator bucket, but aided with hand shovels and manual labour to protect the upstream liner. Surcharge material was compacted with the excavator bucket.

From about STA. 20+350 to the northwest abutment between about El. 143 to 145 m, placed surcharge materials are a mix of till and fractured bedrock that were sourced from the SWD-SD2 connection.

Work was completed by FGL and AEM, under the supervision of AEM representatives

7.2 Saddle Dam 2 Stage 1 – QA/QC activities

The QC program was managed and directed by AEM. QC testing was completed under the supervision of AEM. AEM supervised and monitored the construction activities.

A summary of Saddle Dam 2 QA testing and monitoring are presented in Table 27.

Table 27: Summary of SD2 Construction QA Testing and Monitoring

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
General	Care of water	Visual observation	Continuous
	Borrow material Storage	Visual observation	Continuous
Foundation preparation	Location and extents	Survey review	Continuous and as-built following construction
	Subgrade inspection	Visual observation	Continuous
	Water content	1 in every 5 QC	45
Rockfill shell placement	Gradation	Visual observation	Continuous
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Coarse Filter	Gradation (stockpile and as placed)	1 in every 5 QC	1
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Fine Filter	Gradation (stockpile and as placed)	1 in every 5 QC	4
	Water content	1 in every 5 QC	4
	Placement technique	Visual observation	Continuous
	Compaction	Visual observation	Continuous
Trench backfill	Placement technique	Visual observation	Continuous
Geotextile	Seams and panels	Visual observation	Continuous
LLDPE geomembrane Liner	Liner sampling	Visual inspection	As Requested
	Liner rolls	Visual inspection	Each roll
	Seams	Visual inspection	Continuous
	Tensile shear strength of seams	Oversee 1 every 5 QC tests	60 (3rd Party shear and peel test of seams)
	Start-up and test seams	Oversee 1 every 5 QC	??
	Vacuum box test	Oversee all QC tests	Periodic
	Air channel test	Oversee all QC tests	Periodic

Construction Item	Work Description	Minimum QA Testing Requirement and Frequency	QA Tests Performed
Liner cover	Gradation (stockpile and as placed)	1 in every 5 QC	17
	Compaction	Visual observation	Continuous
Instrumentation	Installation	Visual observation	n/a

7.2.1 Foundation Preparation

QA/QC activities for the foundation preparation and foundation investigation included:

- Visual observation during foundation excavation, including removal of organic soils, thawing soils and ice-rich soils;
- Visual observation and recording of depth to bedrock during drilling investigation;
- *In situ* QA samples taken to assess ice content;
- Visual observation of ripping by dozer and excavation of ice-rich soils;
- Visual observation of blasting of boulders; and
- Visual observation of waste material removal and disposal.

Forty-five QA samples were collected during foundation preparation within the upstream side footprint and tested for ice and water contents of the foundation soils. Sampling of in-situ samples indicated that ice-rich till was observed within about 2 m from the original ground surface or up to 2 m above the bedrock.

Foundation approval by the QC team was given after visual inspection of the clean bedrock subgrade on the upstream side of the dam crest.

7.2.2 Base Filter Placement

QA/QC activities for the base filter placement included:

- Visual observation of the base filter material gradation, lift thickness and segregation;
- Overview base filter material placement technique;
- Visual inspection of base filter layers compaction; and
- Fine filter and coarse filter placement and compaction approval.

An inverted two layer base filter system was placed beneath the geomembrane liner projection prior to rockfill placement. The inverted filter system comprises a 0.5 m thick coarse filter layer which overlies a 0.5 m thick fine filter layer. Base filter placement and direction of truck haul traffic was directed to promote compaction. Overall, compaction and placement of the base filter was performed as specified.

No in situ QA base filter samples were tested during the construction program.

7.2.3 Rockfill Shell Placement

QA/QC activities for the rockfill shell placement included:

- Visual observation of the rockfill gradation, lift thickness and segregation;
- Overview rockfill placement technique;
- Visual inspection of routed equipment to promote compaction; and
- Upstream re-sloped rockfill surface approval.

The placement and compaction of the rockfill was observed and deemed to be satisfactory. Oversized material was removed from the upstream portion of the structure and placed in the downstream shell area.

7.2.4 Upstream Toe Trench Excavation

QA/QC activities for the upstream toe trench excavation included:

- Visual observation during foundation excavation, including removal of organic soils, thawing soils, ice-rich soils and fractured bedrock;

- Foundation approval of competent subgrade; and

- Mapping of major open apertures in the bedrock;

The excavation of the upstream toe trench was performed satisfactorily based on the observations made by QA and QC.

7.2.5 Coarse and Fine Filter Placement

QA activities for the liner bedding placement included:

- Visual observation of the liner bedding material gradation, lift thickness and segregation;

- *In situ* QA samples taken to assess particle size distribution;

- Overview liner bedding material placement technique;

- Visual inspection of liner bedding compaction; and

- Coarse filter and fine filter placement and compaction approval.

The fine filter material was obtained from a stockpile near the former contractor location and then it was produced by the contractor's crusher near the north end of Portage Pit. One (1) coarse filter and four (4) fine filter QA grain size distribution tests were completed during the Stage 1 of SD2 construction. The single coarse filter sample did not meet the specifications; whereas, all four fine filter samples tested satisfied the specifications.

QA testing for Saddle Dam 2 coarse and fine filter grain size distribution including envelope limits as specified in the technical specifications with laboratory results for grain size distribution are presented in Appendix B.

Additional bedding material needs to be placed from STA. 20+395 to the northwest abutment between El. 146 m to 150 m prior to deployment liner in 2011.

7.2.6 Linear Low-Density Polyethylene Liner Installation

The geomembrane installer Layfield was responsible of the QC program during the installation, under the supervision of AEM. Golder was responsible of the QA program.

QA activities for the geotextile and LLDPE liner installation included:

- Liner bedding surface inspection;
- Visual observation of geotextile deployment and welding;
- Visual observation of liner deployment technique;
- Visual inspection of seams;
- Oversee QC tensile shear strength, vacuum box and air channel tests; and
- Liner installation approval for liner cover placement;

No quality control certificates for the geotextile and liner were provided to Golder.

The liner bedding surface was satisfactorily cleaned prior to geotextile and liner deployment. Golder visually inspected all seams and all identified defects were repaired appropriately.

Moderate to very strong winds were present after the deployment of Panels 36 to 45 (STA. 20+329 to STA. 20+258) that resulted in the panels mobilizing; particularly at the toe. Wrinkles that formed due to shifting of the liner were removed and the liner inspected with no visible damage or holes identified. Moderate winds were also present during the deployment of Panels 46 and 47 which caused the panels to lift and twist resulting in local creases. Although no other visible damage was identified resin was applied to the creases. The liner was also observed to be in tension and not resting on the underlying liner bedding at the inflection point of the toe slope between STA. 20+450 to 20+500. The liner was subsequently covered with stockpile till.

The LLDPE liner was satisfactorily cleaned with a dry rag prior to welding with a double track fusion welder. Liner welds met or exceeded the minimum required specified values. The speed, temperature, welding machine and date were always recorded adjacent to each seam. Calibration

welds were performed twice daily when welding occurred all day (*i.e.*, at the start of the shift and in the afternoon) or once immediately prior to commencing seam welding.

Where needed, patches were carried out by tack welding a piece of liner to the panel and extrusion welding around the patches. Grinding was not always performed perpendicular to the seams.

Golder oversaw 7 QC tensile shear strength tests all of which meet or exceeded the specifications. No record of the number of QC vacuum box and only a partial list of air channel tests observed by Golder was maintained; however, it was observed that the length the seal for vacuum box testing was not always held for the specified length of time. When air channel testing failed for a specific channel retesting was requested and carried out until the specifications were achieved.

Seam liner samples were tested at an independent laboratory for shear and peel test. The tested samples complied with the specifications. Available QC test results are presented in Appendix B.

Liner deployment was incomplete for the upstream face of SD2, due to adverse winter conditions, with the remaining liner to be deployed from STA. 20+395 to the northwest abutment between El. 146 m to 150 m in 2011.

7.2.7 Upstream Toe Trench Backfill

QA/QC activities for the upstream toe trench backfill included:

- Visual observation of till lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview placement technique;
- Visual inspection of backfill compaction.

Bedrock fractures with apertures >10 mm were mapped by Golder during foundation excavation between STA. 20+560 and 20+565. Although it was recommended that 20 mm crush stone

enriched with dry bentonite be placed over these fractures, this was not carried out prior to the placement of till.

During till placement two issues with ponding water were present at the toe of the dike. The first pond was at STA. 20+200, between the upstream toe slope and the till toe plug and the second at around STA. 20+180, just beyond the end of the liner at the toe of the dike. Ponding occurred above (0.3m) and below (0.1 m) the liner at the first pond (STA. 20+200), whereas the second pond (STA. 20+180) was the location where the perforated drainage pipe discharged into. Both ponds were dewatered and the pond at STA. 20+180 was cleaned by a 345 excavator bucket to remove wet/muddy till and accumulated ice prior to placement of till.

Poor quality till was observed by QA to be placed between about STA. 20+150 to STA. 20+250 at toe of the till plug tie-in, which is not in conformance with the specifications. This till was not excavated or replaced.

Seventeen QA grain size distribution tests, seven QA hydrometer tests, and seventeen QA water content tests were completed during the 2010 SD2 construction. Water content determination was recorded from the fraction passing the #4 mesh while completing the grain size distribution tests. Available laboratory results for each till sample are presented in Appendix B

7.2.8 Instrumentation Installation

AEM supervised every instrumentation installation for SD2. As-built location and installation elevation were recorded by AEM and are presented in the as-built drawing in Appendix C.

7.2.9 Liner Cover

QA/QC activities for the liner cover placement included:

- Visual observation of the liner cover material gradation, lift thickness and segregation;
- *In situ* QA samples taken to assess particle size distribution;
- Overview of liner cover material placement technique;

In addition to the liner till plug tie-in a surcharge lift of till was also added to mitigate uplift pressure effects from downstream surface run-off and near surface groundwater flow. No design modifications for the till plug tie-in were provided to Golder prior to construction. The till surcharge material was placed in two 0.6 m lifts over the full width of the existing SD2 till plug tie-in. This was followed by a 0.6 m lift of till material placed immediately over the geotextile that covered the upstream SD2 dam face slope to El. 145 m.

Three liner cover QA grain size distribution test was completed during the 2010 SD2 construction. Additionally, water content of the fraction passing the #4 mesh were recorded while completing the grain size distribution tests. QA testing by Golder for Saddle Dam 2 liner surcharge cover grain size distribution is presented in Appendix B with laboratory result.

8.0 SADDLE DAM 2 AND CONNECTION SADDLE DAM 2 / STORMWATER DIKE CONSTRUCTION- STAGE 2 (2011)

8.1 Saddle Dam 2 and Connection Saddle Dam 2 / Stormwater Dike Stage 2 - Construction Activities

Saddle Dam 2 (SD2) and the Connection between Saddle Dam 2 and Stormwater dike (Connection) construction where completed in the late summer 2011. Low-density polyethylene 60 mil textured (LLDPE) geomembrane was installed on the upstream face of SD2 and Coletanche bituminous geomembrane ES2 (BGM) on the upstream face of the Connection between SD2 and SWD. The subgrade on the upstream face of both structures was prepared, inspected and approved prior to deployment of the geomembrane. Repairs on the LLDPE geomembrane on Saddle Dam 1 (SD1) were also completed.

Installation of LLDPE geomembrane on SD2, BGM geomembrane on the Connection and repairs on SD1 were completed between September 8 and 25. The geomembrane was installed and repaired by Layfield, with the help of labours from Moreau, under the supervision of Agnico Eagle – Dikes Engineering Team (AEM). The QC program was managed by Layfield and was required to complete the specified QC testing. AEM assisted and revised the work and test results. QC tests and results for the geomembrane are discussed below.

All geotextile and geomembrane products were already on site at Meadowbank and the installer only supplied welding tools and apparatus.

Till liner cover on the upstream toe of SD2 and of the Connection was completed by AEM after completion of the geomembrane installation, in October. A till blanket was also placed on the overlap between the BGM geomembrane and the LLDPE geomembrane on SD2.

Selected construction photos are available in Appendix A.

8.1.1 Coarse and Fine Filter Placement

Completion of coarse and fine filter placement was required from STA. 20+395 towards the northwest abutment for SD2. The coarse filter material (200 mm minus) was placed in a 0.5m layer over the rockfill upstream side slope with a CAT 345 excavator. The 200 mm minus material was produced by the crusher on site and hauled to the SD2 by 100 ton trucks. The coarse filter layer of 0.5 m was compacted with a minimum three passes of a 10 ton vibratory smooth drum roller without moisture conditioning. The fine filter material (20 mm minus) was placed on the upstream side slope over the coarse filter layer with a CAT 345 excavator. The 20 mm minus material was also produced by the crusher. The fine filter material was hauled to SD2 by 100 ton trucks and dumped on top of the coarse filter material on the slope. Compaction of the fine filter layer was completed with a 10 ton smooth drum roller. Coarse and fine filter placement and grade adjustment was also done at the Connection, with the same procedure.

Crushed rockfill materials (coarse filter and fine filter) were supplied by AEM and contractor's crushers. Crushed rockfill material was produced from NPAG rockfill.

Work was completed by FGL and AEM, under the supervision of AEM representatives

8.1.2 Liner Low-Density Polyethylene SD2 Stage 2 - Installation and Repairs Procedure

The geotextile and LLDPE geomembrane was installed on the subgrade prepared and approved by Layfield and AEM, on the upstream face of Saddle Dam 2, between El. 146 m and El. 150 m. Installation of LLDPE geomembrane on SD2 occurred mainly between September 8 and 17. Installation was conducted using a manual dispenser roll mounted on a 330Cat excavator to unroll the geotextile and geomembrane from the crest of SD2. Geotextile panels were first installed on subgrade and ballasted, followed by the geomembrane. Each geotextile and

geomembrane panel were hold by labours during the deployment to ensure proper placement and sufficient overlap between panels. The rolls were oriented parallel to the upstream slope direction to reduce stress on the seams. Each panel was temporarily ballasted in the anchor trench on the crest and on the slope with sand bags before welding.

Fusion seams between panels were welded using a hand held wedge welder. Detailed extrusion welding was carried out using a plastic extrusion welding gun, on the tie in weld between the LLDPE geomembrane installed in 2010 and 2011 (approximately El. 146m), on repairs and where required. During installation of the geomembrane and prior to welding, all field seams were cleaned and dried.

The geotextile and LLDPE geomembrane were placed and ballasted in an anchor trench on the crest of SD2 after deployment. Following welding of the tie in, the anchor trench was backfilled with fine rockfill material.

Approximately 6,675 m2 of geotextile and 6,853 m3 of LLDPE geomembrane were installed on SD2 in September 2011, as reported by the installer Layfield.

8.1.3 Bituminous Geomembrane Connection– Installation and Repairs Procedure

The Coletanche bitumous geomembrane was installed on the subgrade prepared and approved by Layfield and AEM on the upstream face of the Connection between SD2 and SWD, between approximately El. 140 m and El. 148 m. Installation of BGM geomembrane on the Connection occurred mainly between September 17 and 25. Installation was conducted using a hydraulic and a manual dispenser roll mounted on a 345Cat excavator to unroll the geomembrane from the top of the slope. Each panel were hold by labours during the deployment to ensure proper placement and sufficient overlap between panels. Panels were cut and installed in order to fit properly the contours of the connection. Each panel was temporarily ballasted in the anchor trench on the crest and on the slope with sand bags before welding.

Seams were welded using a hand held torch and roller between panels and on the tie in weld between the BGM geomembrane installed in 2009 and 2011 (approximately El. 140m). Detailed welding for repairs was carried out using a hand held torch and a small trowel. During installation of the geomembrane and prior to welding, all field seams were cleaned and dried. No bubbling, over running or over heated bitumen and “fish mouths” were allowed in the welds.

The BGM geomembrane was placed in an anchor trench on the crest of the Connection after deployment. A minimum of 3.0 m length on each panel was placed horizontally in front of the upstream toe of the slope, in order to provide a good length of geomembrane underneath the till blanket. On the east end of the Connection, the BGM geomembrane was welded (tie-in weld) on the existing bituminous geomembrane installed in 2009, approximately at El. 141m. Following the welding of the tie in and placement of the till blanket, the anchor trench on the crest was backfilled with fine rockfill material.

Approximately 6,933 m3 of BGM geomembrane were installed on the Connection in September 2011, as reported by the installer Layfield.

Overlap between the LLDPE geomembrane and the BGM geomembrane was placed on SD2, in order to have proper seal and transition between both structures and geomembrane type. The BGM geomembrane was placed over two and half panels of LLDPE geomembrane on SD2. A till capping was placed on top of the overlap in order to place weight and additional impervious protection.

8.1.4 Saddle Dam 2 and Connection – Liner Cover

The till blanket placement, started in 2010 on the upstream toe of SD2 was completed after the LLDPE geomembrane installation. The till blanket was extended from the liner below the tie in weld (approximately El. 145m), towards the outside excavation limit in order to provide good protection for the geomembrane and additional impervious protection.

The till blanket placement on the upstream toe of the Connection was completed after the bituminous geomembrane installation. To anchor the geomembrane panels, the till blanket was placed over the horizontal panel length in front of the upstream toe. The blanket was extended towards the outside excavation limit and along the tie in weld, in order to provide good protection for the geomembrane and additional impervious protection.

The material was sorted with an excavator to removed oversized rocks, hauled with 100 tons truck and placed with dozers. The material was compacted with dozer tracks and traffic.

Work was completed by FGL and AEM, under the supervision of AEM representatives.

8.1.5 Saddle Dam 1

Repairs were completed by Layfield on SD1 to remove excessive wrinkles on the geomembrane. One wrinkle was located on the North side of SD1, parallel to the slope. Another wrinkle was located on the tie in between the geomembrane installed in 2009 and 2010, at approximately El. 142 m. Repair of the LLDPE geomembrane occurred between September 24 and 25. The excessive wrinkles were cut and repairs were completed with extrusion weld.

8.2 Saddle Dam 2 and Connection Saddle Dam 2 / Stormwater Dike Stage 2 - QC Activity

The geomembrane installer Layfield was responsible of the QC program during the installation, under the supervision of AEM. AEM reviewed work and testing procedures of Layfield .

8.2.1 QC Documentation

The QC documentation was produces and provided to AEM by the installer Layfield. QC documentation provided to AEM includes the following items:

- Certificate of Acceptance of Soil Subgrade Surface (LLDPE-SD2 and BGM-Connection) - All subgrade areas were inspected and approved prior to the placement of geotextile and geomembrane by Layfield and AEM representatives. Inspections by Layfield and AEM concentrated on ensuring there were no sharp edges, ruts, soft material, irregular surface or important segregation in the support material layer prior to deployment of the geotextile and/or geomembrane.

- Geomembrane Deployment Log (LLDPE-SD2 and BGM-Connection) – The form records details of each geomembrane panel deployed including the panel number, general condition, approximate area, weather during deployment and overlap with next panel.

- Geomembrane Seam Log (LLDPE-SD2 and BGM-Connection) - The form records details of each seam including seam number, section, time and condition of welding, operator and length welded. The form also includes for LLDPE the passing trial seams, machine conditions, destructive and non destructive tests.

- Geomembrane Trial Seam Log (LLDPE-SD2) – The log was completed before welding of deployed geomembrane. Trial test were conducted to calibrate properly the machine, accordingly to daily specific conditions, as recorded on the log.

- Geomembrane Vacuum / Air Lance Test Log (LLDPE-SD2 and BGM-Connection) – Seams sections and some repairs were tested with the vacuum box to ensure that adequate welding of the seams was achieved. Seam number and section tested are provided on the log.

- Geomembrane Seam Pressure Test Log (LLDPE-SD2) – Air pressure test was performed on each fusion seams welded with the wedge welder to detect unbounded area using air pressure. Seam number and section tested, air pressure and time are provided on the log.

- Geomembrane Destructive Test Log (LLDPE-SD2 and BGM-Connection) – Sections of approximately 500 mm were cut directly into the weld for destructive testing. The LLDPE was tested for shear strength and peel adhesion and the BGM was tested for shear strength. A section of the weld sample was tested on site and a section was given to AEM for future third party testing. Results of field tests are provided on the log.

- Geomembrane Defect / Repair Log (LLDPE-SD2 and BGM-Connection) – Repairs completed by Layfield were recorded on the log. Defect type, location, seam and repair type are included in the log.

- Panel Layout (LLDPE-SD2 and BGM-Connection) – General panel layout was provided for the work completed in 2011, showing the panel numbers and location.

Certificate of Final Inspection and Acceptance (LLDPE-SD2 and BGM-Connection) – The work completed in 2011 on SD2 and on the Connection was inspected and approved by Layfield and AEM, based on the above QC requirements and the project specifications.

Copies of the QC documentation provided by the geomembrane installer Layfield are included for the LLDPE on SD2 and for the BGM geomembrane on the Connection in Appendix B. The field QC testing procedure for the geomembrane is described below.

8.2.2 QC Testing

8.2.2.1 Prequalification Trial Weld

For the LLDPE geomembrane on SD2 and SD1, trial welds were prepared and tested by the installer to verify that seaming parameters (speed, temperature and pressure of welding equipment) were adequate, prior to welding. Trial weld were conducted for fusion welds and extrusion welds.

The results of the trail welds for the LLDPE geomembrane on SD2 and SD1 were recorded on the QC documentation and are available in Appendix B.

8.2.2.2 Continuity Testing

Continuity testing are non-destructive quality control test methods for determining the integrity of seams. General testing procedures are presented below for the LLDPE on SD2 and for the BGM geomembrane on the Connection.

- **Saddle Dam 2**

Seam pressure testing was conducted on all complete wedge fusion seams on the LLDPE geomembrane. Vacuum box test was performed on all extrusion weld sections on the tie-in and on repairs. Any seams that failed to the continuity testing, or in doubt of possible failure, were repaired and retested.

The results of the continuity testing for the LLDPE geomembrane on SD2 were recorded on the QC documentation and are available in Appendix B.

- **Connection Saddle Dam 2 – Stormwater Dike**

Geomembrane vacuum test was performed on selected seams and on tie-in seams. Approximately 30% of the seams were tested with the vacuum box.

The results of the continuity testing for the BGM geomembrane on the Connection were recorded on the QC documentation and are available in Appendix B.

8.2.2.3 Destructive testing

Sections of approximately 500 mm were cut into the seam for destructive test. One destructive test sample was taken per 150 m linear of seam length at location randomly specified by AEM for the LLDPE geomembrane on SD2. A total of 6 tests were taken on the fusion welds and 2 tests on the extrusion welds from the LLDPE geomembrane on SD2. Two destructive tests were taken from BGM geomembrane on the Connection. One destructive test was taken from the extrusion weld for repair on the LLDPE geomembrane on SD1.

The LLDPE seams (fusion and extrusion) were tested for shear strength and peel adhesion and the BGM geomembrane was tested for shear strength. A section of the weld sample was tested on site and a section was given to AEM for future third party testing.

The results of the destructive testing for the LLDPE geomembrane on SD2 / SD1 and the BGM gemembrane on the Connection were recorded on the QC documentation and are available respectively in Appendix B.

8.2.2.4 Visual Observations during installation

AEM regularly conducted visual observation of the geomembrane installation both during and after installation. The seams and geomembrane panels were inspected for holes and defects. Defects were marked and repaired by the installer as requested by AEM. Installation procedures and QC testing were also observed.

9.0 CONCLUSION

This report has been prepared to present a summary of the Tailings Storage Facility as-built construction information during 2009, 2010 and 2011 including QC and QA records available and the as-built drawings.

In general, the construction performed at the TSF during the 2009, 2010 and 2011 construction season complied with the drawings and specifications.

APPENDIX A – CONSTRUCTIONS PHOTOS

APPENDIX A

AGNICO EAGLE

SD1 2009 CONSTRUCTION PHOTOS

AGNICO EAGLE

SD1 – Initial Conditions, Prior to Construction

From north abutment looking south

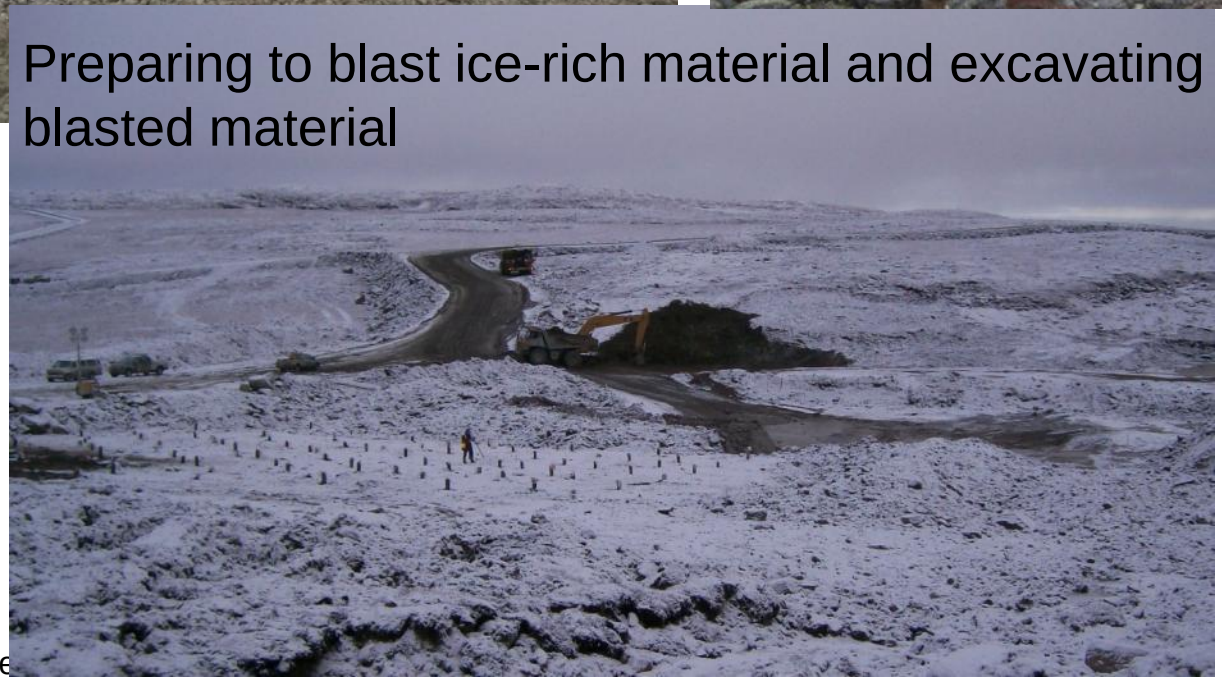
SD1 –Drainage Ditches

SD1 – Foundation Preparation

Stripping Thawed Soils

Drilling for blasting of ice-rich materials

Preparing to blast ice-rich material and excavating blasted material



SD1 – Ice-Rich Foundation Material

Samples of ice-rich material from foundation that was excavated

SD1 – Foundation Preparation

SD1 – Filter Placement on Base of the Foundation

Fine filter placement and compaction

Coarse filter placement above fine filter

SD1 – Preparing Upstream Toe Foundation for Till Placement

SD1 – Upstream Toe: Till Placement and Compaction

SD1 – Upstream Fine Filter Placement and Compaction

SD1 – Bedrock Surface Cleaning on Abutments

SD1 – Rockfill Placement

SD1 – Construction Progress

SD1 – Construction Progress

SD1 – Construction Progress

SD1 – Construction Sequence

SD1 – Construction Sequence

SD1 – Construction Sequence

SD1 – LLDPE Liner Installation
(1.5 mm, textured both sides)

AGNICO EAGLE

SD1 – LLDPE Liner Deployment

SD1 – LLDPE Liner Seaming

SD1 – Placement of Liner Cover

SD1 – Stage 1 Completed

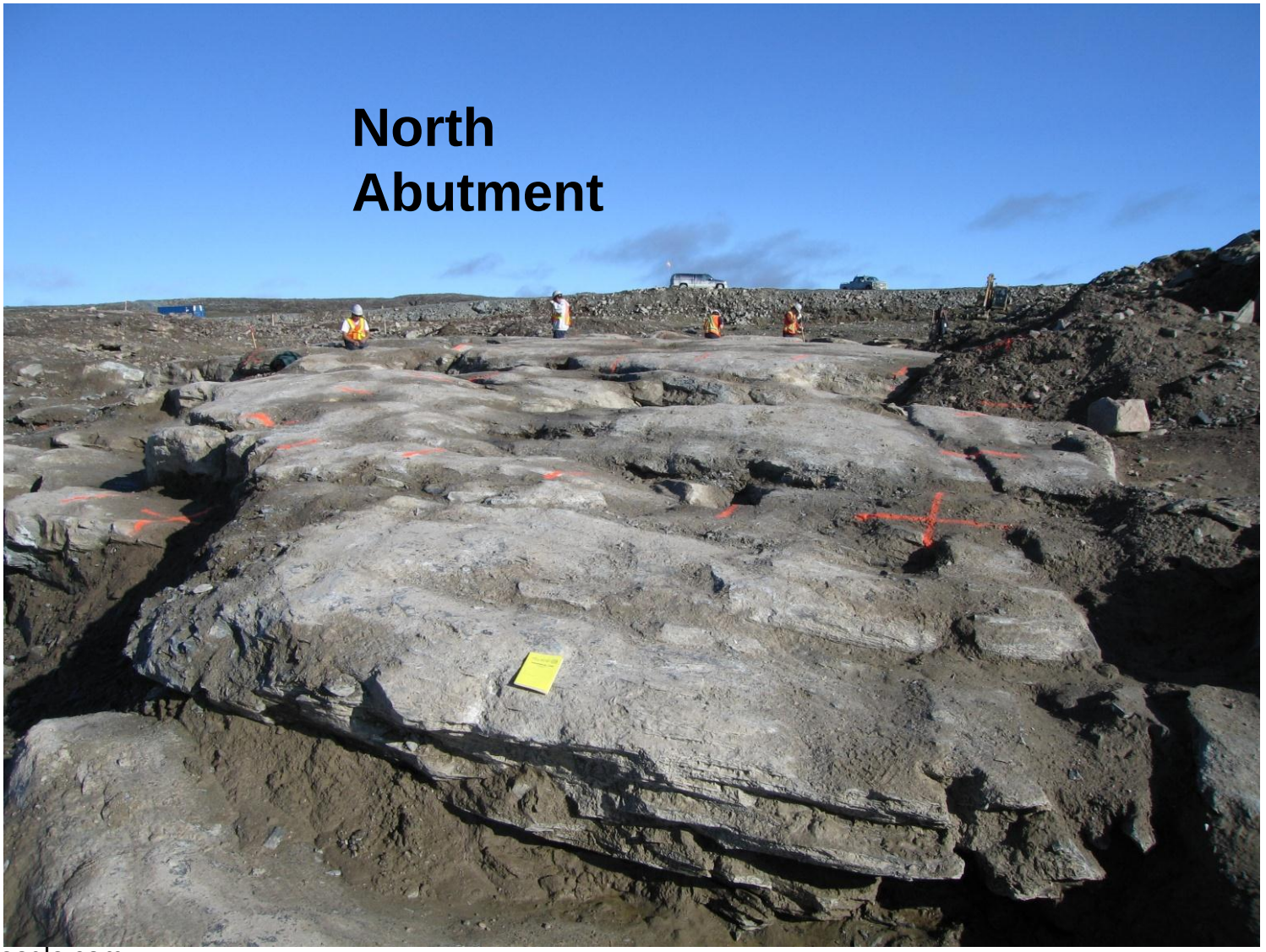
SD1 2010 CONSTRUCTION PHOTOS

AGNICO EAGLE

Initial Conditions – Stage 1 completed in 2009
Prior to 2010 Construction

Foundation Preparation

Foundation Preparation



Rockfill Placement

Till Placement at Upstream Toe

Upstream Filter Placement

Upstream Filter Placement

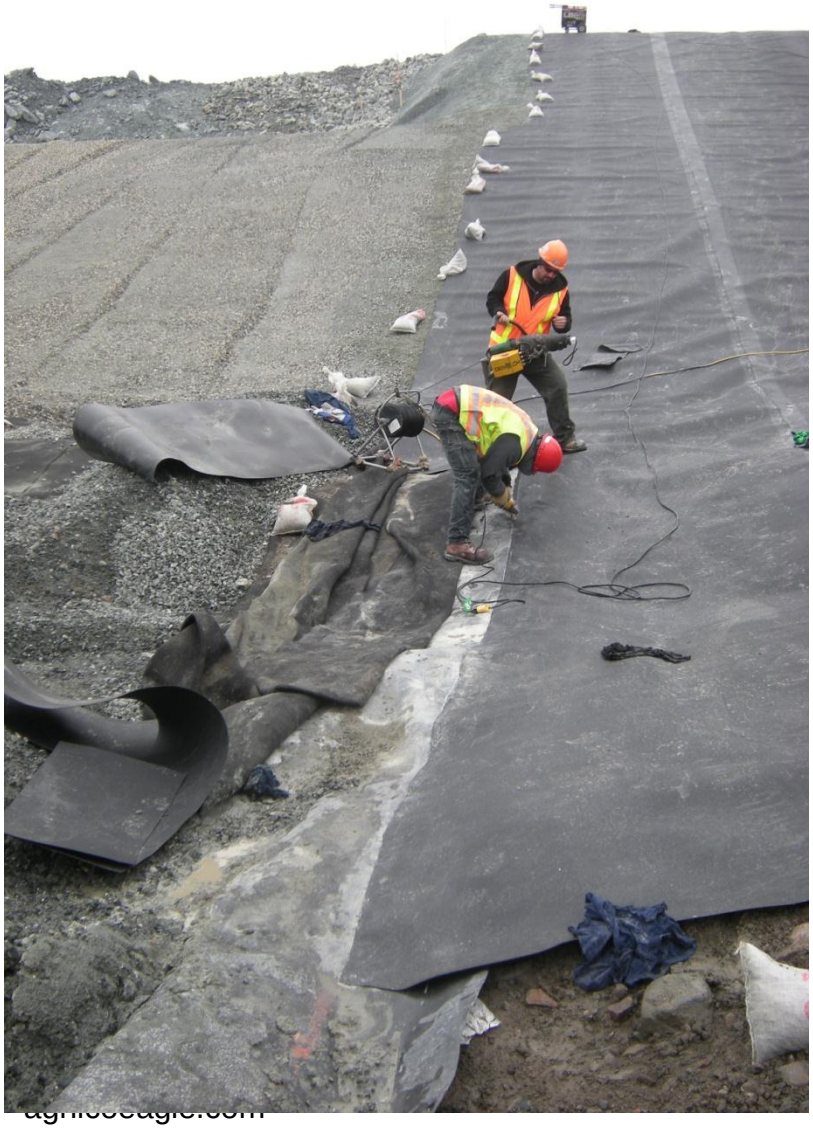
Construction Progress

Construction Progress

Liner Deployment

Liner Installation

Liner Seaming



Tailings Discharge

Tailings Discharge

SD2 2010 CONSTRUCTION PHOTOS

AGNICO EAGLE

Foundation Preparation

Ice-Rich Soil Excavated from Foundation

Inverted Filter Placement

Upstream Toe - Till Placement

Upstream Toe - Till Placement

Rockfill Placement

Construction Progress

Construction Progress

Construction Progress

Construction Progress

Filter Placement

Liner Installation

Liner Installation

Liner Deployment and Till Compaction at Upstream Toe

LLDPE Liner Seaming

Till Placement Above Upstream Liner Toe

Till Placement Above Upstream Liner Toe

SD2 Completed

SWD 2009 CONSTRUCTION PHOTOS

AGNICO EAGLE

SWD – INITIAL CONDITIONS AFTER DEWATERING

Submerged Island

AGNICO EAGLE

Till Borrow Excavation – Foundation Preparation

AGNICO EAGLE

Till Borrow Excavation – Foundation Preparation

Inflows and pumping

Culvert placement to allow for dewatering during construction

SWD - FOUNDATION PREPARATION - ABUTMENTS

East Abutment

West Abutment

SWD – COFFERDAMS (TEMPORARY STRUCTURES)

Upstream Cofferdam

Downstream Cofferdam

SWD - ROCKFILL PLACEMENT

SWD – SLOPING OF UPSTREAM SLOPE

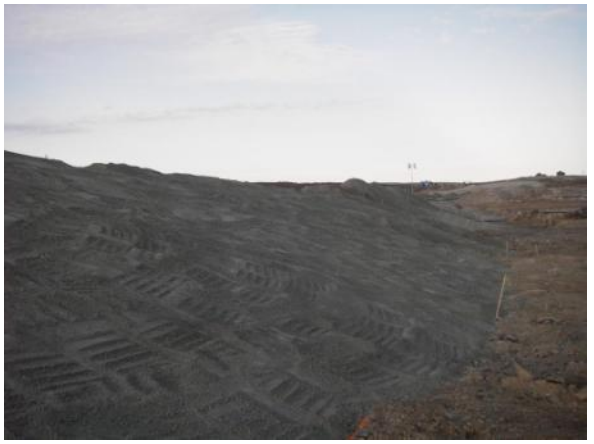
Sloping rockfill to 3H:1V

SWD - BEDDING PLACEMENT

0-150 mm minus material placement and compacted with dozer

SWD - BEDDING PLACEMENT

0-20mm minus material placement and compaction with excavator bucket, dozer and smooth drum compactor



SWD – UPSTREAM TRENCH PREPARATION

SWD – BITUMINOUS LINER

SWD – BITUMINOUS LINER INSTALLATION

SWD – TRENCH BACKFILLING AND LINER COVER

SWD – CONSTRUCTION PROGRESS

From North Cell looking South at SWD

From East Side of SWD looking West

SWD 2010 CONSTRUCTION PHOTOS

AGNICO EAGLE

STAGE 1 – COMPLETED DECEMBER 2009

JULY 2010 – STAGE 2

DOWNSTREAM ROCKFILL SLOPE

FOUNDATION PREPARATION - ABUTMENTS

FOUNDATION PREPARATION - ABUTMENTS

AGNICO EAGLE

West Abutment

TILL PLACEMENT – UPSTREAM TOE OF ABUTMENTS

BENTONITE ENRICHED FILTER PLACEMENT

East Abutment

Filter material enriched with bentonite was placed over jointed bedrock prior to till placement

UPSTREAM FILTER PLACEMENT

LINER INSTALLATION

LINER DEPLOYMENT

LINER SEAMING

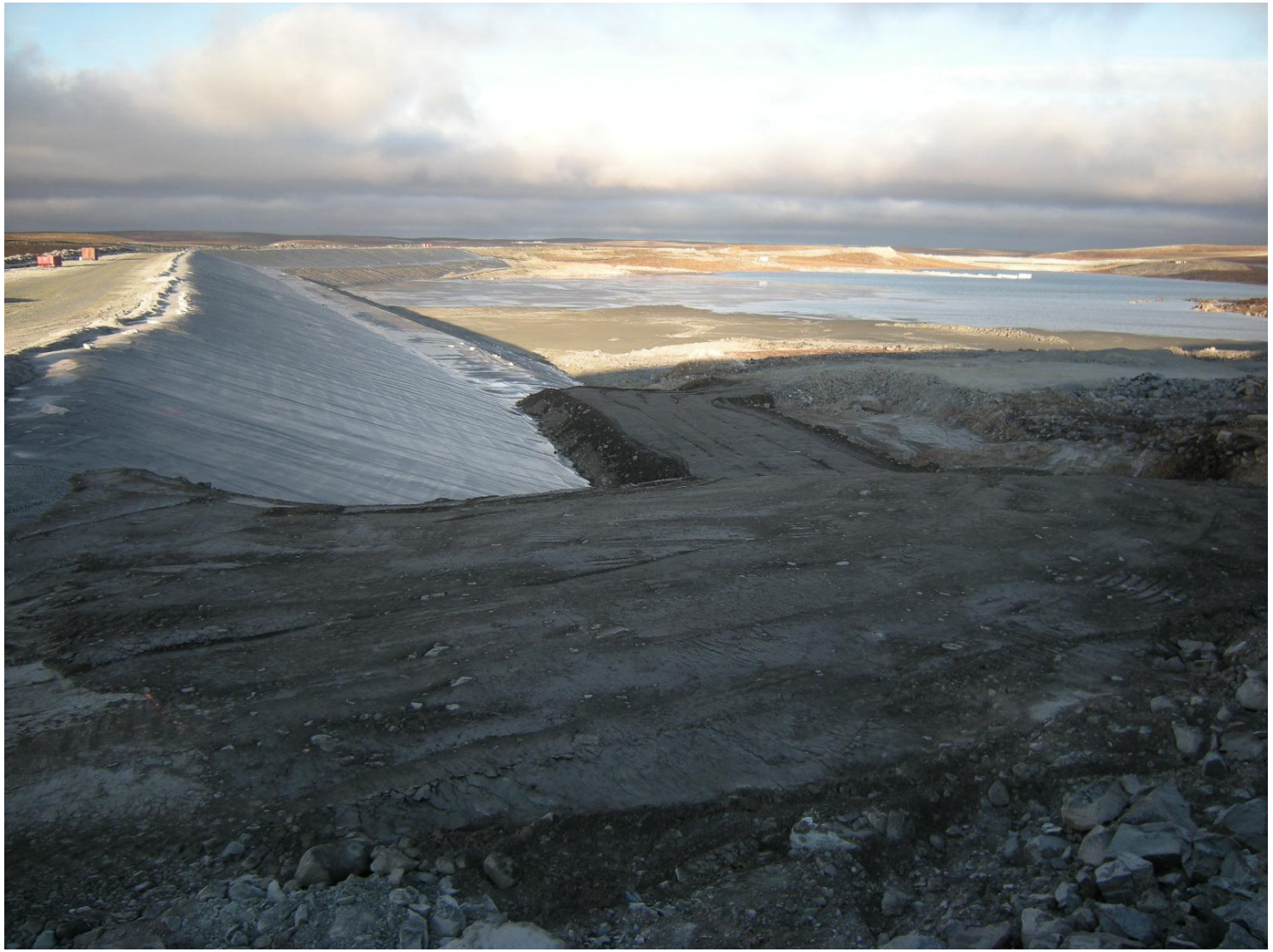
CONSTRUCTION PROGRESS

CONSTRUCTION PROGRESS

CONSTRUCTION PROGRESS

TILL PLACEMENT OVER LINER UPSTREAM TOE

TILL PLACED ON UPSTREAM EAST ABUTMENT



SWD COMPLETED

SWD 2011 CONNECTION CONSTRUCTION PHOTOS

AGNICO EAGLE

SD2/CONNECTION – PREPARED AND APPROVED SUBGRADE

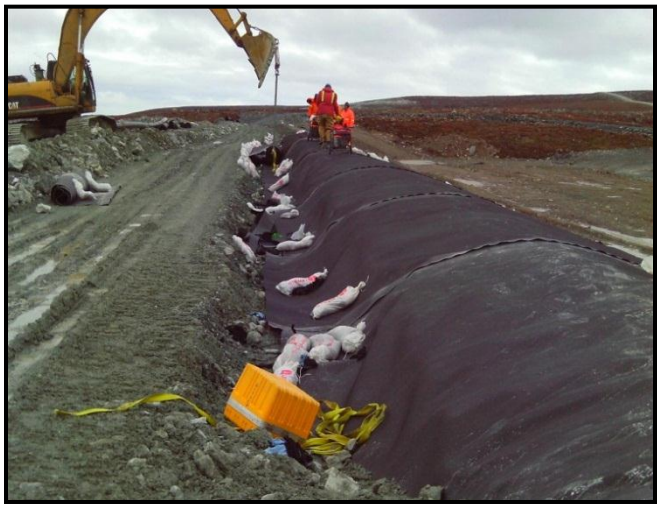
AGNICO EAGLE

Saddle Dam 2

Connection SD2-SWD

GEOMEMBRANE INSTALLATION PROCEDURE – SD2

Geotextile and LLDPE Geomembrane Deployment



GEOMEMBRANE INSTALLATION PROCEDURE – SD2

Welding - Extrusion and Fusion Seams

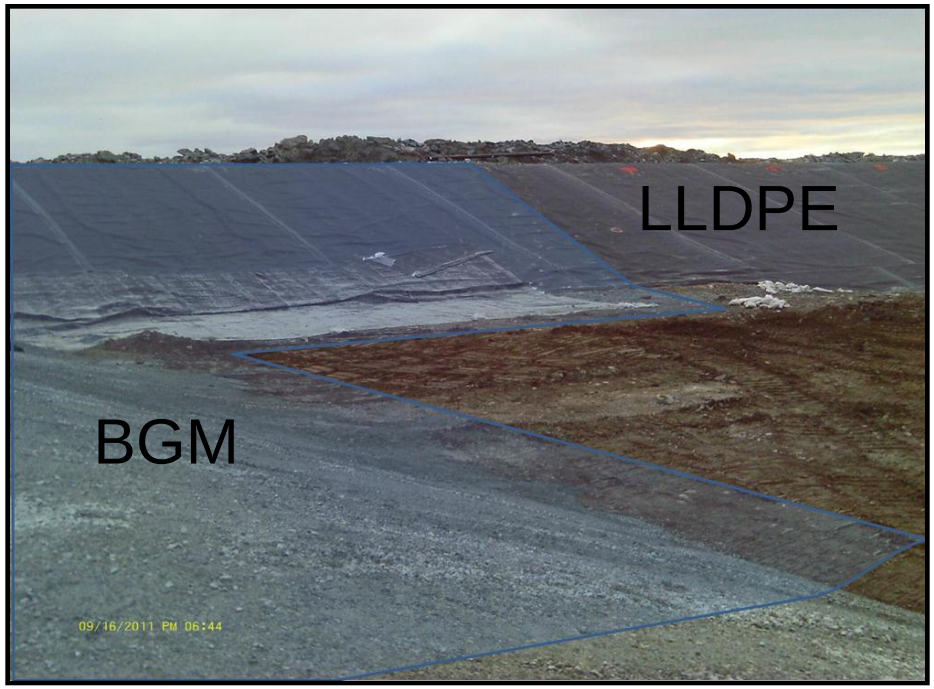
GEOMEMBRANE INSTALLATION PROCEDURE – CONNECTION

Bituminous Geomembrane Deployment

GEOMEMBRANE INSTALLATION PROCEDURE – CONNECTION

Welding with Torch and Roller

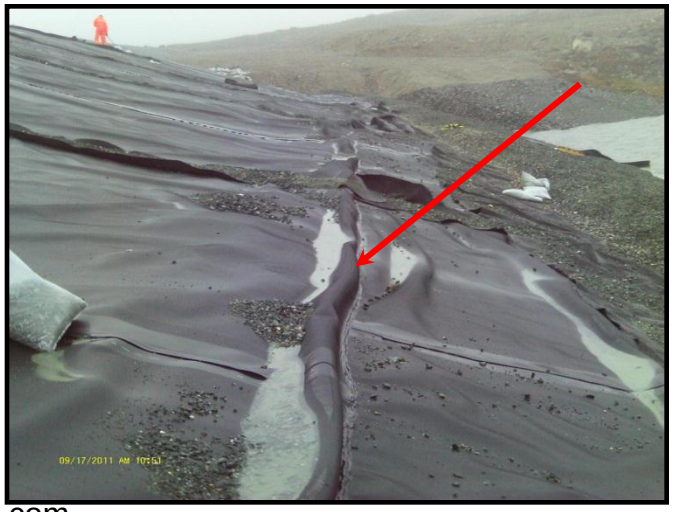
OVERLAP LLDPE/BGM – SD2

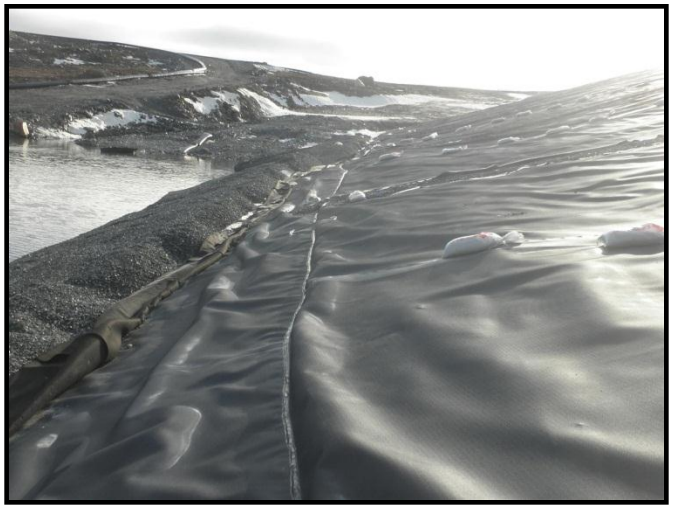


LINER COVER PLACEMENT – SD2 AND CONNECTION

GEOMEMBRANE REPAIR PROCEDURE – SD1

Excessive Wrinkles Cut and Repaired with Extrusion Weld

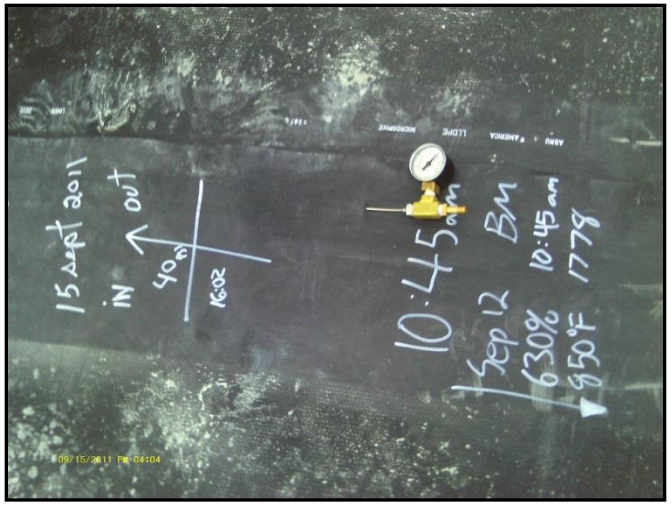




QC TESTING – SD2 AND CONNECTION

Vacuum Box Test

Air Pressure Test



Destructive Test – Peal and Shear Strength

RECLAIM BARGE ACCESS

APPENDIX B – QA/QC TESTING RESULTS

APPENDIX B

GEOMEMBRANE QC DOCUMENTATION

Geomembrane QC Documentation

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug. 26, 2010

Customer & Project Title : Agnico-Eagle Mines - Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : _____

morning *noon* *night*

Description of Work Performed

- Arrived at airport @ 5:00 am and met up with Yonatan/Bradley
- Travelled to Montreal - Took 8 hours. Arrived @ 1pm
- Spent night in Montreal

Mobilization # : 1

Labour

Name	Todd MacDonald	Yonatan Espindola	William Harcourt	Bradley Weleed										
Total Hours	8.0	8.0	4.0	8.0										

Installation Production

Elapsed Calendar Days : 1 Elapsed Installation Days : _____

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date							
Cumulative							

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : _____ Signature : _____

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug. 27, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 6.6°C, Cloudy, Windy (morning) / 13.8°C, Cloudy, Windy (noon) / No data. (night)

Description of Work Performed

- Travelling from Montreal to Baker Lake, NU. Arrived @ Airport by 4am.
- Arrived at camp by 3pm.
- Went on a site tour with Gaston. 1 hour
- Safety site orientation. 1 hour

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	William Marcoux	Bradley McLeod										
Total Hours	13.0	13.0	13.0	13.0										

Installation Production

Elapsed Calendar Days : 2 Elapsed Installation Days :

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date							
Cumulative							

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug - 28, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 7.2°C, cloudy, light wind (morning) / 11.4°C, cloudy, light wind (noon) / 10.0°C, cloudy, light wind (night)

Description of Work Performed

- 5 hour induction in morning.
- Went to inspect existing liner and abutment area.
- Worked with loader operator to place rolls near slope.
- Checked for toolboxes. They have not arrived yet.
- Talked to Gaston, he said the toolboxes should be in tommorrow afternoon.
- Had a small meeting with Gaston about future roll placement, obtaining a radio, ppe for the crew, tie-in area and labor support.
- Noticed on site inspection that some of the LLDPE is in poor condition and damaged.
- Found that bituminous tie-in area needs to be cleaned up.

Mobilization # :

Labour

Name	Todd MacDonald	Mountain	Espindola	William	Marcourt	Bradley McLeod									
Total Hours	10.0	10.0	10.0	10.0											

Installation Production

Elapsed Calendar Days : 3 Elapsed Installation Days :

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date							
Cumulative							

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug. 29, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 6.5°C, clear
morning *noon* *night*

Description of Work Performed

- Attended mandatory training for site (WHMIS, driving on site, fire extinguisher use, etc.) until 9:30 am.
- ~~1:30pm~~ - Still did not have tools on site. They are scheduled to come in this afternoon.
- 1:30pm, Attended surface SOP/on-site driving orientation until 2:30pm.
- Talked to warehouse about equipment - We were told it would be in and available by 4:00pm.
- 4:00pm, recieved equipment and brought it out to our sea can at the dike. We took inventory of all equipment recieved, went for dinner, and then returned to prepare hoses, torches and organize tools for deployment tomorrow. Propane, excavator and beam were promised to us for the morning.

Mobilization # :

Labour

Name	Todd MacDonald	Jonathan Espindola	Bradley McLeod	William Harcourt										
Total Hours	12.0	12.0	12.0	12.0										

Installation Production

Elapsed Calendar Days : 4 Elapsed Installation Days :

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date							
Cumulative							

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug. 30, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 5.5°C, Clear, no wind (morning) / Sunny, 12°C, low wind (noon) / 14°C, Sunny, low wind (night)

Description of Work Performed

- Made sand bags for the morning
- Was told the excavator would be available with the beam this morning.
- Requested Fire extinguisher, first aid kit, lock for sea can.
- Picked up thread sealant for propane fittings in case of leaks.
- Recieved Fire extinguisher and lock. No first aid kits left for the truck
- Inspected slope with Geraldine (Engineer working with Gaston) and signed off on subgrade to get us started. Recommended areas to be touched up and packed on ~~for the~~ slope further along.
- Excavator/beam arrived ~~at~~ at 3pm. Picked up 5 bottles of propane.
- Placed 4 rolls of membrane and welded it in place.
- Propane was recieved around 3pm, not 10am as was mentioned on the previous day

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley Meleod	William Marcoux										
Total Hours	15	15	15	15										

Installation Production

Elapsed Calendar Days : 5 Elapsed Installation Days : 1

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	963						
Cumulative	963						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Aug. 31, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 6°C, Sunny, low wind (morning) / 12° Sunny, low wind (noon) / 10°C, clear sky, low wind (night)

Description of Work Performed

- Had use of excavator/beam and laborers from the start of the day.
- Yonatan is working with the laborers to pull liner while the other 3 of us are welding and finishing the seams.
- 100lb propane tank (gaseous) is found to be too low by/after the 5th seam of welding. Requested liquid propane if possible.
- Found that the "roll numbers" we were using were incorrect. We began to use the proper number but are missing 3 as of right now. Marcel from Soprema advised us that the "correct" number was not the right one to use. We found this to be incorrect today.
- It appears the two tanks that died out fast were not completely filled. Other tanks are good.
- Placed and welded liner all day. Placed 12 rolls today

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley McLeod	William Marcoux										
Total Hours	15.0	15.0	15.0	15.0										

Installation Production

Elapsed Calendar Days : 6 Elapsed Installation Days : 2

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	~~37~~ 4910						
Cumulative	~~4722~~ 4973						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torches
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 1, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057

Weather : 4°C, Partly Cloudy, 11Km/h Moderate wind (morning) / 12°C, Cloudy, 20Km/hour wind (noon) / 10°C, cloudy, 17Km/h wind (night)

Description of Work Performed

- Began placing/welding liner first thing using myself, Bradley, William and one laborer to make two welding teams while Yonatan had the other laborers assist him with placing the panels.
- Replaced/refilled propane. Had to get another request done
- Inspector from Golder is making regular trips to the storm water dike to inspect the installed liners, observe installation process and mark areas to be fixed
- Placing/welding of BGM went much smoother today. Placed 19 rolls.
- Returned after dinner to pickup tapes, do measurements, etc.
- Installed BGM all day
- Inspected the remaining slope of the dike with Geraldine, marked out areas to be corrected/fixed, and signed off on it. Their copy will be given once slope preparations are completed.

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley McLeod	William Harcourt										
Total Hours	15	15	15	15										

Installation Production

Elapsed Calendar Days : 7 Elapsed Installation Days : 3

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	~~5,057~~ 5,782						
Cumulative	~~10561~~ 10,755						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 2, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10c-057 Weather : 5°C, Clear, 29km/h winds (morning) / 15°C, Clear, 28km/h winds (noon) / 12°C, Clear, 17km/h winds (night)

Description of Work Performed

- Began ~~pulling~~ placing/welding liner first thing using same configuration of teams, although a few of the laborers went ahead to continue preparation of the slope.
- Replaced/refilled propane. Had to get another request done.
- Continued at a smooth rate of installation
- Had more sea cans of BGM delivered to the dike and rolls placed as we were almost out of rolls to deploy.
- Placed 19 rolls again (38 panels)
- Placed/welded BGM all day.
- Yonatan worked on paperwork after work

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley McLeod	William Harcourt										
Total Hours	14.0	15.0	13.0	13.0										

Installation Production

Elapsed Calendar Days : 8 Elapsed Installation Days : 4

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	5288 ~~5397~~						
Cumulative	~~15,908~~ 16,043						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 3, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 8°C, Sunny, very low wind (morning) / Sunny, 18°C, no wind (noon) / 14°C, Sunny, clear, very low wind (night)

Description of Work Performed

- I had to move today, so I didn't get out to work until 8:00 am.
- Began pulling/welding first thing.
- Had warehouse guys begin to keep track of propane usage and a form will be written up for it once we are finished rather than having us fill out daily requests.
- Refilled propane bottles
- Top of liner was not anchored with crushed rock last night.
- A few of the laborers continued to prepare the slope ahead of us.
- Called Goetom and had a loader brought out to place the rest of the rails necessary to finish the rest of the slope. Should be able to finish placement tomorrow.
- Yonatan did some paperwork after work in his room.

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley McLeod	William Harcourt									
Total Hours	11.0	15.0	13.0	13.0									

Installation Production

Elapsed Calendar Days : 9 Elapsed Installation Days : 5

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	5478						
Cumulative	21,521						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 4, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, Nu

Job Number : 10C-057 Weather : 8°C, Clear, 15Km/h wind (morning) / 11°C, Clear, 10Km/h wind (noon) / 9°C, Clear, 10Km/h wind (night)

Description of Work Performed

- Picked up full propane bottles and dropped off empty ones.
- Setup tanks/torches. Dried off liner overlap area
- Began placing and welding BGM with two welding teams and one pulling team.
- 9:50am - Most of the laborers left and are no longer helping deploy liner as promised. No notice was given, they just left. Only one welding team running now.
- Talked to Gaston about the laborers as they have done this once before.
- 10:40- Laborers came back to help again as per Gaston.
- After lunch when we got back to the dike, the laborers had pulled a few panels. They weren't lined up properly and just created more work for us.
- Labor foreman was trying to direct deployment and got into an argument over it with Yonatan and William. Gaston came and resolved the issue.
- Organized remaining rolls to be properly spaced/placed tommorrow.

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espinola	Bradley McLeod	William Harcourt										
Total Hours	15.0	15.0	15.0	15.0										

Installation Production

Elapsed Calendar Days : 10 Elapsed Installation Days : 6

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	5478						
Cumulative	26,999						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 5, 2010

Customer & Project Title : Agnico-Eagle Mines, Meadowbank Project, Baker Lake, Nu

Job Number : 10C-057 Weather : 7°C, Clear, 10km/h wind / 14°C, Clear, 10km/h wind / 10°C, clear, 10km/h wind
(morning / noon / night)

Description of Work Performed

- Picked up full propane tanks from warehouse and dropped off empty tanks.
- Setup tanks/torches. Dried off overlap area of liner.
- Wrote up FLRA/Toolbox meeting and went over them with crew.
- Placed remaining BGM on the west end of the dike until it is finished up.
- Placement was finished shortly after lunch.
- Had laborers begin to cut patches/strips for patching/reinforcement of seams
- Began patching, ~~and~~ repairs ~~at~~ and doing touch-ups for the rest of the shift.

Mobilization # :

Labour

Name	Todd MacDonald	Houston	Espindola	Bradley	Mcleod	William	Harcourt								
Total Hours	13.0	13.0	13.0		13.0										

Installation Production

Elapsed Calendar Days : 11 Elapsed Installation Days : 7

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	3043						
Cumulative	30,042						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 6, 2010

Customer & Project Title : Agnico-Eagle mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 5°C, clear, 20km/h wind (morning) | 15°C, clear, 20km/h wind (noon) | 12°C, clear, 20km/h wind (night)

Description of Work Performed

- Dropped off empty propane tanks and picked up full tanks.
- Picked up tools from sea can.
- Filled out and discussed FLRA / Tool box
- Talked to Gaston about finishing the east end of the storm water dike. He said it might be ready for Wednesday the 8th or Thursday the 9th.
- We worked on repairs and touch-ups from the installation for the whole day.

Mobilization # :

Labour

Name	Todd MacDonald	Jonathan Espindola	Bradley McLeod	William Marcoux										
Total Hours	13.0	13.0	13.0	13.0										

Installation Production

Elapsed Calendar Days : 12 Elapsed Installation Days : 7

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	0						
Cumulative	30,042						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 7, 2010

Customer & Project Title : Agnico - Eagle Mines, Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 7°C, Cloudy, 30Km/h wind (morning) / 13°C, Cloudy, 30Km/h wind (noon) / 10°C, Cloudy, 5Km/h wind (night)

Description of Work Performed

- Filled out Toolbox and discussed
- It was raining when we got to site and was too much to be able to do any welding / repairs.
- Rained all morning. Conditions were not good for placing/welding BUR.
- Crew worked on catching up on paper work as we had focused on installing the BUR Thus far.

Mobilization # :

Labour

Name	Todd MacDonald	Jonathan Espindola	Bradley McLeod	William Harcourt										
Total Hours	9.0	9.0	9.0	9.0										

Installation Production

Elapsed Calendar Days : 13 Elapsed Installation Days : 7

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	0						
Cumulative	30,042						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved :

Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 8, 2010

Customer & Project Title : AEM - Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 4°C, Cloudy, 35km/h wind (morning) / 8°C, Cloudy, 35km/h wind (noon) / 3°C, Clear, 30km/h wind (night)

Description of Work Performed

- Filled out Toolbox/FLRA and discussed.
- Picked up full propane tanks and tools.
- Talked to Gaston and he said they would have it ready for tomorrow morning.
- Worked on touch-ups/repairs to installed BGM for the ~~rest of the~~ whole day.

Mobilization # :

Labour

Name	Todd MacDonald	Yonatan Espindola	Bradley Melvead	William Marcourt										
Total Hours	13.0	13.0	13.0	13.0										

Installation Production

Elapsed Calendar Days : 14 Elapsed Installation Days : 7

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	0						
Cumulative	30,042						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 9, 2010

Customer & Project Title : AEM-Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 3°C, Cloudy, 30km/hr wind (morning) / 10°C, Cloudy, 15km/h wind (noon) / 7°C, clear, 20km/h wind (night)

Description of Work Performed

- Picked up full propane and dropped off empty bottles.
- Filled out tool box / FLRA and discussed
- Slope was not fully finished for placing. Talked to Christian (Golder) and he got the compactor to come finish the slope.
- Compactor finished by 9:30 am. Began to deploy BGM.
- Worked on touch-ups / repairs until slope was ready.
- Laborers weren't around to help deploy BGM. Called them and they were out by 10:30 am.

Mobilization # :

Labour

Name	Todd MacDonald	Jonathan Espinola	Bradley McLeod	William Harcourt										
Total Hours	16.0	16.0	16.0	16.0										

Installation Production

Elapsed Calendar Days : ~~15~~ 15 Elapsed Installation Days : 8

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	2353						
Cumulative	32,395						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	Propane Torch
Qty.															2

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 10, 2010

Customer & Project Title : AEM - Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 6°, Cloudy, 15 Km/h wind (morning) / 9°C, Cloudy, 15 Km/h wind (noon) / 7°C, Cloudy, 15 Km/h wind (night)

Description of Work Performed

- Traveled from meadowbank to Montreal.

Mobilization # :

Labour

Name	Todd MacDonald	Jonathan Espindola	Bradley McLeod	William Marcoux										
Total Hours	8.0	8.0	8.0	8.0										

Installation Production

Elapsed Calendar Days : Elapsed Installation Days :

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date	0						
Cumulative	32,395						

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD

Daily Installation Report

(revised Feb/08)

Supervisor : Todd MacDonald Date : Sept. 11, 2010

Customer & Project Title : AEM - Meadowbank Project, Baker Lake, NU

Job Number : 10C-057 Weather : 6°C, 10 Km/h wind, Cloudy (morning) / 7°C, Cloudy, 10 Km/h wind (noon) / 6°C, Cloudy, 5 Km/h wind (night)

Description of Work Performed

- Travelled from Montreal home

Mobilization # :

Labour

Name	Todd MacDonald	Jonatan Espindola	Bradley Melvead	William Marcourt										
Total Hours	8.0	8.0	8.0	8.0										

Installation Production

Elapsed Calendar Days : Elapsed Installation Days :

Material Production / Recap Info	Liner Installed (sq.m.) or (sq.ft.)	Liner Tested (sq.m.) or (sq.ft.)	Geotextile (sq.m.) or (sq.ft.)	Geonet (sq.m.) or (sq.ft.)	Other: (sq.m.) or (sq.ft.)	Wick Drain (ft) or (m)	Wick Drain # of wicks
Today's date							
Cumulative							

Equipment

Type	Truck	Mileage	Flat Deck Trailer	Cargo Trailer	ATV	Wedge Welder	Extrusion Welder	Tensio-meter	Genset	Compres.	Leister	Hilti	Sewing Machine	Wick Machine	
Qty.															

Job Materials

Type	Sand Bags	Welding Rod	Batten Bar	Anchor Bolts	Caulking	Gasket	Banding	THF	Rags	Thread	Wick Plates	Wick Rebar	Wick Shoes	Wick Mandrel	
Qty.															
	(ea)	(spool)	(lm)	(ea)	(tube)	(lm)	(lm)	(gal)	(box)	(spool)	(ea)	(ea)	(ea)	(ft)	

Approved : Signature :

LAYFIELD GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: storm water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 1

MATERIAL TYPE: GEOMEMBRANE
GEONET GEOTEXTILE (OTHER)
DATE OF ARRIVAL:
DATE OF INVENTORY: Sep 6 2010
UNLOADING METHOD:
INVENTORY BY: Y. E
PRODUCT TYPE: BGM
CONDITION IN TRUCK:
MATERIAL MANUFACTURER:

Panel / Roll Number	Material Dimensions: Thickness or Weight	Length	Width	QC Certificate Available	Conf Sample Removed	Other	Remarks
50957	1.8mm	80m	4m	yes			No damage
50956	4.8mm	80 m	4 m	yes			No damage
51020	4.8mm	80 m	4 m	yes			No damage
068	4.8mm	80 m	4m	Yes			NO DAMAGE
183	4.8mm	80 m	4 m	Yes			NO DAMAGE
181	4.8mm	80 m	4 m	Yes			NO DAMAGE
177	4.8mm	80 m	4 m	yes			NO DAMAGE
180	4.8mm	80 m	4 m	Yes			NO DAMAGE
178	4.8mm	80 m	4 m	Yes			NO DAMAGE
061	4.8mm	80 m	4 m	Yes			NO DAMAGE
064	4.8mm	80 m	4 m	Yes			NO DAMAGE
063	4.8mm	80 m	4 m	Yes			NO DAMAGE
062	4.8mm	80 m	4 m	Yes			NO DAMAGE
066	4.8mm	80 m	4 m	Yes			NO DAMAGE
051	4.8mm	80 m	4 m	Yes			NO DAMAGE
094	4.8mm	80 m	4 m	Yes			NO DAMAGE
098	4.8mm	80 m	4 m	Yes			NO DAMAGE
093	4.8mm	80 m	4 m	Yes			NO DAMAGE
095	4.8mm	80 m	4 m	Yes			NO DAMAGE
175	4.8mm	80 m	4 m	Yes			NO DAMAGE
099	4.8mm	80m	4 m	Yes			NO DAMAGE
097	4.8mm	80 m	4 m	Yes			NO DAMAGE
092	4.8mm	80 m	4 m	yes			NO DAMAGE
124	4.8mm	80 m	4 m	Yes			NO DAMAGE

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SUBMITTED BY:
DATE:

L1
13 18
19. 10
18
18 24
22

L2
8
102
100

LAYFIELD GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: storm water dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake
SHEET NUMBER: 2

MATERIAL TYPE: GEOMEMBRANE GEONET GEOTEXTILE (OTHER)
DATE OF ARRIVAL:
DATE OF INVENTORY: Sept 6, 2010
UNLOADING METHOD:
INVENTORY BY: Y.E
PRODUCT TYPE: BGM
CONDITION IN TRUCK:
MATERIAL MANUFACTURER:

Panel / Roll Number	Material Dimensions: Thickness or Weight	Length	Width	QC Certificate Available	Conf Sample Removed	Other	Remarks
123	4.8mm	80m	4m	YES			NO DAMAGE
122	4.8mm	80m	4m	YES			NO DAMAGE
120	4.8mm	80m	4m	YES			NO DAMAGE
118	4.8mm	80m	4m	YES			NO DAMAGE
119	4.8mm	80m	4m	YES			NO DAMAGE
116	4.8mm	80m	4m	YES			NO DAMAGE
121	4.8mm	80m	4m	YES			NO DAMAGE
117	4.8mm	80m	4m	YES			NO DAMAGE
200	4.8mm	80m	4m	YES			NO DAMAGE
199	4.8mm	80m	4m	YES			NO DAMAGE
201	4.8mm	80m	4m	YES			NO DAMAGE
197	4.8mm	80m	4m	YES			NO DAMAGE
196	4.8mm	80m	4m	YES			NO DAMAGE
195	4.8mm	80m	4m	YES			NO DAMAGE
198	4.8mm	80m	4m	YES			NO DAMAGE
194	4.8mm	80m	4m	YES			NO DAMAGE
193	4.8mm	80m	4m	YES			NO DAMAGE
238	4.8mm	80m	4m	YES			NO DAMAGE
237	4.8mm	80m	4m	YES			NO DAMAGE
236	4.8mm	80m	4m	YES			NO DAMAGE
235	4.8mm	80m	4m	YES			NO DAMAGE
225	4.8mm	80m	4m	YES			NO DAMAGE
216	4.8mm	80m	4m	YES			NO DAMAGE
223	4.8mm	80m	4m	YES			NO DAMAGE

SUBMITTED BY:
DATE:

LAYFIELD GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: storm water dike
OWNER: Agnico Eagle Miner
CONTRACTOR: Agnico Eagle Miners
LOCATION: Nunavut, Baker Lake
SHEET NUMBER: 3

MATERIAL TYPE: GEOMEMBRANE
GEONET GEOTEXTILE (OTHER)
DATE OF ARRIVAL:
DATE OF INVENTORY: Sept 6, 2010
UNLOADING METHOD:
INVENTORY BY: Y.E
PRODUCT TYPE: BGM
CONDITION IN TRUCK:
MATERIAL MANUFACTURER:

Panel / Roll Number	Material Dimensions: Thickness or Weight	Length	Width	QC Certificate Available	Conf Sample Removed	Other	Remarks
217	4.8mm	80m	4m	YES			NO DAMAGE
210	4.8mm	80m	4m	YES			NO DAMAGE
143	4.8mm	80m	4m	YES			NO DAMAGE
142	4.8mm	80m	4m	YES			NO DAMAGE
141	4.8mm	80m	4m	YES			NO DAMAGE
138	4.8mm	80m	4m	YES			NO DAMAGE
139	4.8mm	80m	4m	YES			NO DAMAGE
131	4.8mm	80m	4m	YES			NO DAMAGE
134	4.8mm	80m	4m	YES			NO DAMAGE
140	4.8mm	80m	4m	YES			NO DAMAGE
136	4.8mm	80m	4m	YES			NO DAMAGE
135	4.8mm	80m	4m	YES			NO DAMAGE
105	4.8mm	80m	4m	YES			NO DAMAGE
104	4.8mm	80m	4m	YES			NO DAMAGE
106	4.8mm	80m	4m	YES			NO DAMAGE
101	4.8mm	80m	4m	YES			NO DAMAGE
100	4.8mm	80m	4m	YES			NO DAMAGE
102	4.8mm	80m	4m	YES			NO DAMAGE
103	4.8mm	80m	4m	YES			NO DAMAGE
248	4.8mm	80m	4m	YES			NO DAMAGE
249	4.8mm	80m	4m	YES			NO DAMAGE
132	4.8mm	80m	4m	YES			NO DAMAGE
133	4.8mm	80m	4m	YES			NO DAMAGE
128	4.8mm	80m	4m	YES			NO DAMAGE

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SUBMITTED BY:
DATE:

LAYFIELD GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm water dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Miner
LOCATION: Nunavut, Baker Lake
SHEET NUMBER: 4

MATERIAL TYPE: GEOMEMBRANE GEONET GEOTEXTILE (OTHER)
DATE OF ARRIVAL:
DATE OF INVENTORY: Sept 6, 2010
UNLOADING METHOD:
INVENTORY BY: Y.E
PRODUCT TYPE: RCM
CONDITION IN TRUCK:
MATERIAL MANUFACTURER:

Panel / Roll Number	Material Dimensions: Thickness or Weight	Length	Width	QC Certificate Available	Conf Sample Removed	Other	Remarks
129	4.8mm	80m	4m	YES			NO DAMAGE
130	4.8mm	80m	4m	YES			NO DAMAGE
127	4.8mm	80m	4m	YES			NO DAMAGE
202	4.8mm	80m	4m	YES			NO DAMAGE
125	4.8mm	80m	4m	YES			NO DAMAGE
126	4.8mm	80m	4m	YES			NO DAMAGE
214	4.8mm	80m	4m	YES			NO DAMAGE
060	4.8mm	80m	4m	YES			NO DAMAGE
219	4.8mm	80m	4m	YES			NO DAMAGE
208	4.8mm	80m	4m	YES			NO DAMAGE
206	4.8mm	80m	4m	YES			NO DAMAGE
204	4.8mm	80m	4m	YES			NO DAMAGE
205	4.8mm	80m	4m	YES			NO DAMAGE
203	4.8mm	80m	4m	YES			NO DAMAGE
207	4.8mm	80m	4m	YES			NO DAMAGE
059	4.8mm	80m	4m	YES			NO DAMAGE
058	4.8mm	80m	4m	YES			NO DAMAGE
055	4.8mm	80m	4m	YES			NO DAMAGE
057	4.8mm	80m	4m	YES			NO DAMAGE
024	4.8mm	80m	4m	YES			NO DAMAGE
244	4.8mm	80m	4m	YES			NO DAMAGE
247	4.8mm	80m	4m	YES			NO DAMAGE
245	4.8mm	80m	4m	YES			NO DAMAGE
239	4.8mm	80m	4m	YES			NO DAMAGE

96

SUBMITTED BY:
DATE:

LAYFIELD GEOSYNTHETICS INVENTORY LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: storm water dike
OWNER: Agnico Eagle Mine
CONTRACTOR: Agnico Eagle Miners
LOCATION: Nunavut, Baker Lake
SHEET NUMBER: 5

MATERIAL TYPE: GEOMEMBRANE
GEONET GEOTEXTILE (OTHER)
DATE OF ARRIVAL:
DATE OF INVENTORY: Sept 6, 2010
UNLOADING METHOD:
INVENTORY BY: Y.C
PRODUCT TYPE: BGM
CONDITION IN TRUCK:
MATERIAL MANUFACTURER:

Panel / Roll Number	Material Dimensions			QC Certificate Available	Conf Sample Removed	Other	Remarks
	Thickness or Weight	Length	Width				
246	4.8mm	80m	4m	YES			NO DAMAGE
241	4.8mm	80m	4m	YES			NO DAMAGE
056	4.8mm	80m	4m	YES			NO DAMAGE
182	4.8mm	80m	4m	YES			NO DAMAGE

SUBMITTED BY:
DATE:

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dikes 1-
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Meadowbrook, Nunavut
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM
DATE: Aug-30/2010
SHEET NUMBER: 1
DEPLOYMENT EQUIPMENT: Hydrolic Beam, Cat 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 1	PANEL LOCATION REFERENCE NUMBER 2	PANEL LOCATION REFERENCE NUMBER 3
PANEL/ROLL NUMBER	50957	50957	50956
DEPLOYMENT LENGTH	114'	114'	114'
AMBIENT AIR TEMP.	15°	15°	15°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y. E	Y. E	Y. E
ADJACENT PANEL	N= Ex. Liner S= E= W= 2	N= Ex liner S= E= 1 W= 3	N= Ex Liner S= E= 2 W= 4

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 4	PANEL LOCATION REFERENCE NUMBER 5	PANEL LOCATION REFERENCE NUMBER 6
PANEL/ROLL NUMBER	50956	51020	51020
DEPLOYMENT LENGTH	114'	114'	114'
AMBIENT AIR TEMP.	15°	15°	15
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y. E	Y. E	Y. E
ADJACENT PANEL	N= Ex liner S= E= 3 W= 5	N= Ex Liner S= E= 4 W= 6	N= Ex liner S= E= 5 W= 7

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 7	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	068		
DEPLOYMENT LENGTH	114'		
AMBIENT AIR TEMP.	15		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	8"		
CHECKED BY	Y. E		
ADJACENT PANEL	N= Ex Liner S= E= 6 W= 8	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y. E
DATE: Sep 2/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake
GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation BGM DATE: Aug 31/2010
SHEET NUMBER: 2
DEPLOYMENT EQUIPMENT: Hydraulic Beam - Cat 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 8	PANEL LOCATION REFERENCE NUMBER 9	PANEL LOCATION REFERENCE NUMBER 10
PANEL/ROLL NUMBER	068	183	183
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EXT LINER S= E= 7 W= 9	N= EXT LINER S= E= 8 W= 10	N= EXT LINER S= E= 9 W= 11

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 11	PANEL LOCATION REFERENCE NUMBER 12	PANEL LOCATION REFERENCE NUMBER 13
PANEL/ROLL NUMBER	181	181	177
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EXT LINER S= E= 10 W= 12	N= EXT LINER S= E= 11 W= 13	N= EXT LINER S= E= 12 W= 14

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 14	PANEL LOCATION REFERENCE NUMBER 15	PANEL LOCATION REFERENCE NUMBER 16
PANEL/ROLL NUMBER	177	180	180
DEPLOYMENT LENGTH	123'	123'	49'
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EXT LINER S= E= 13 W= 15	N= EXT LINER S= E= 14 W= 16-17	N= EX LINER S= E= 15 W= 18

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 17	PANEL LOCATION REFERENCE NUMBER 18	PANEL LOCATION REFERENCE NUMBER 19
PANEL/ROLL NUMBER	180	182	182
DEPLOYMENT LENGTH	72'	123'	123'
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= 16 E= 15 W= 18	N= EX LINER S= E= 16-17 W= 19	N= EX LINER S= E= 18 W= 20

SUBMITTED BY: Y.E
DATE: Sep 2nd 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Aug - 31 - 2010
SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: Hydralic - Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 20	PANEL LOCATION REFERENCE NUMBER 21	PANEL LOCATION REFERENCE NUMBER 22
PANEL/ROLL NUMBER	178	178	061
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	15°	15°	17°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 19 W= 21	N= EX LINER S= E= 20 W= 22	N= EX LINER S= E= 21 W= 23

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 23	PANEL LOCATION REFERENCE NUMBER 24	PANEL LOCATION REFERENCE NUMBER 25
PANEL/ROLL NUMBER	061	064	064
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	17°	16°	16°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 22 W= 24	N= EX LINER S= E= 23 W= 25	N= EX LINER S= E= 24 W= 26

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 26	PANEL LOCATION REFERENCE NUMBER 27	PANEL LOCATION REFERENCE NUMBER 28
PANEL/ROLL NUMBER	063	063	062
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 25 W= 27	N= Ex Liner S= E= 26 W= 28	N= EX LINER S= E= 27 W= 29

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 29	PANEL LOCATION REFERENCE NUMBER 30	PANEL LOCATION REFERENCE NUMBER 31
PANEL/ROLL NUMBER	062	066	066
DEPLOYMENT LENGTH	123'	123'	123'
AMBIENT AIR TEMP.	13°	12°	12°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 28 W= 30	N= EX LINER S= E= 29 W= 31	N= EX LINER S= E= 30 W= 32-33

SUBMITTED BY: Y.E
DATE: Sep 2nd / 2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Aug 31 / 2010
SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT: Hydrolic Bean - hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 32	PANEL LOCATION REFERENCE NUMBER 33	PANEL LOCATION REFERENCE NUMBER 34
PANEL/ROLL NUMBER	051	051	051
DEPLOYMENT LENGTH	33'	92'	123'
AMBIENT AIR TEMP.	12°	12°	12°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 33 S=	N= EX LINER S= 32	N= EX LINER S=
	E= 31 W= 34	E= 31 W= 34	E= 32-33 W= 35

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 35	PANEL LOCATION REFERENCE NUMBER 36	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	094	094	
DEPLOYMENT LENGTH	123'	123'	
AMBIENT AIR TEMP.	12°	12°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	8"	8"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= EX LINER S=	N= EX LINER S=	N= S=
	E= 34 W= 36	E= 35 W= 37	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S=	N= S=	N= S=
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S=	N= S=	N= S=
	E= W=	E= W=	E= W=

SUBMITTED BY: Y.E
DATE: Sep 2nd / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM

DATE: Sep 2nd / 2010
SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 37	PANEL LOCATION REFERENCE NUMBER 38	PANEL LOCATION REFERENCE NUMBER 39
PANEL/ROLL NUMBER	098	098	093
DEPLOYMENT LENGTH	126 Ft	126 Ft	126' Ft
AMBIENT AIR TEMP.	5°	5°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 36 W= 38	N= EX LINER S= E= 37 W= 39	N= EX LINER S= E= 38 W= 40

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 40	PANEL LOCATION REFERENCE NUMBER 41	PANEL LOCATION REFERENCE NUMBER 42
PANEL/ROLL NUMBER	093	095	095
DEPLOYMENT LENGTH	126' Ft	126 Ft	80' Ft
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 39 W= 41-42	N= EX LINER S= 42 E= 40 W= 43	N= 41 S= E= 40 W= 43

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 43	PANEL LOCATION REFERENCE NUMBER 44	PANEL LOCATION REFERENCE NUMBER 45
PANEL/ROLL NUMBER	095	175	175
DEPLOYMENT LENGTH	47 'Ft	126'Ft	126 Ft
AMBIENT AIR TEMP.	6°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 41 - 42 W= 44	N= EX LINER S= E= 43 W= 45	N= EX LINER S= E= 44 W= 46

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 46	PANEL LOCATION REFERENCE NUMBER 47	PANEL LOCATION REFERENCE NUMBER 48
PANEL/ROLL NUMBER	099	099	097
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 45 W= 47	N= EX LINER S= E= 46 W= 48	N= EX LINER S= E= 47 W= 49

SUBMITTED BY: Y.E
DATE: Sep 8rd / 2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Sep 1st / 2010
SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: Hydrolic Boom-hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 49	PANEL LOCATION REFERENCE NUMBER 50	PANEL LOCATION REFERENCE NUMBER 51
PANEL/ROLL NUMBER	097	092	092
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 48 W= 50	N= Ex LINER S= E= 49 W= 51	N= Ex LINER S= E= 50 W= 52

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 52	PANEL LOCATION REFERENCE NUMBER 53	PANEL LOCATION REFERENCE NUMBER 54
PANEL/ROLL NUMBER	124	124	123
DEPLOYMENT LENGTH	126 ft	126 ft	102 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 51 W= 53	N= Ex LINER S= E= 52 W= 54	N= Ex LINER S= 55 E= 53 W= 56

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 55	PANEL LOCATION REFERENCE NUMBER 56	PANEL LOCATION REFERENCE NUMBER 57
PANEL/ROLL NUMBER	123	123	122
DEPLOYMENT LENGTH	24 ft	126' ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 54 S= E= 53 W= 56	N= Ex LINER S= E= 55-54 W= 57	N= Ex LINER S= E= 56 W= 58

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 58	PANEL LOCATION REFERENCE NUMBER 59	PANEL LOCATION REFERENCE NUMBER 60
PANEL/ROLL NUMBER	122	120	120
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 57 W= 59	N= Ex LINER S= E= 58 W= 60	N= Ex LINER S= E= 59 W= 61

SUBMITTED BY: Y.E
DATE: Sep 3rd / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagles Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake
GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation B.G.M
DATE: Sep 1st / 2010
SHEET NUMBER: 7
DEPLOYMENT EQUIPMENT: Hydrolic Beam / Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 61	PANEL LOCATION REFERENCE NUMBER 62	PANEL LOCATION REFERENCE NUMBER 63
PANEL/ROLL NUMBER	118	118	119
DEPLOYMENT LENGTH	126 Ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 60 W= 62	N= EX LINER S= E= 61 W= 63	N= EX LINER S= E= 62 W= 64

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 64	PANEL LOCATION REFERENCE NUMBER 65	PANEL LOCATION REFERENCE NUMBER 66
PANEL/ROLL NUMBER	119	116	116
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 63 W= 65	N= EX LINER S= E= 64 W= 66	N= EX LINER S= E= 65 W= 67

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 67	PANEL LOCATION REFERENCE NUMBER 68	PANEL LOCATION REFERENCE NUMBER 69
PANEL/ROLL NUMBER	121	121	117
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 66 W= 68	N= EX LINER S= E= 67 W= 69	N= EX LINER S= E= 68 W= 70

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 70	PANEL LOCATION REFERENCE NUMBER 71	PANEL LOCATION REFERENCE NUMBER 72
PANEL/ROLL NUMBER	117	200	200
DEPLOYMENT LENGTH	126 ft	126 ft	126ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 69 W= 71	N= EX LINER S= E= 70 W= 72	N= EX LINER S= E= 71 W= 73

SUBMITTED BY: Y.E
DATE: Sep 3rd 2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: storm Water Dike

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mine

LOCATION: Nunavut, Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation BGM DATE: Sep 1st /2010

SHEET NUMBER: 8

DEPLOYMENT EQUIPMENT: Hydrolic Beam / Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 73	PANEL LOCATION REFERENCE NUMBER 74	PANEL LOCATION REFERENCE NUMBER 75
PANEL/ROLL NUMBER	199	199	201
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 72 W= 74	N= Ex LINER S= E= 73 W= 75	N= Ex LINER S= E= 74 W= 76

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 76	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	201		
DEPLOYMENT LENGTH	126 ft		
AMBIENT AIR TEMP.	8°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	8"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= Ex LINER S= E= 75 W= 77	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: Sep 3rd 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Sep 2nd / 2010
SHEET NUMBER: 9

DEPLOYMENT EQUIPMENT: Hydrolic Beam - Cat 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 77	PANEL LOCATION REFERENCE NUMBER 78	PANEL LOCATION REFERENCE NUMBER 79
PANEL/ROLL NUMBER	197	197	196
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 76 W= 78	N= S= E= 77 W= 79	N= EX LINER S= E= 78 W= 80

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 80	PANEL LOCATION REFERENCE NUMBER 81	PANEL LOCATION REFERENCE NUMBER 82
PANEL/ROLL NUMBER	196	195	195
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 79 W= 81	N= EX LINER S= E= 80 W= 82	N= EX LINER S= E= 81 W= 83

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 83	PANEL LOCATION REFERENCE NUMBER 84	PANEL LOCATION REFERENCE NUMBER 85
PANEL/ROLL NUMBER	198	198	198
DEPLOYMENT LENGTH	123 ft	112 ft	14 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E		
ADJACENT PANEL	N= EX LINER S= E= 82 W= 84/85	N= EX LINER S= 85 E= 83 W= 86	N= 84 S= E= 83 W= 86

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 86	PANEL LOCATION REFERENCE NUMBER 87	PANEL LOCATION REFERENCE NUMBER 88
PANEL/ROLL NUMBER	194	194	193
DEPLOYMENT LENGTH	128 ft	123 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 85/84 W= 87	N= EX LINER S= E= 86 W= 88	N= EX LINER S= E= 87 W= 89

SUBMITTED BY: Y.E
DATE: Sep 4th / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-075 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation Of BGM DATE: Sep 2nd / 2010
SHEET NUMBER: 10
DEPLOYMENT EQUIPMENT: Hydraulic Beam - Cat 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 89	PANEL LOCATION REFERENCE NUMBER 90	PANEL LOCATION REFERENCE NUMBER 91
PANEL/ROLL NUMBER	193	238	238
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 88 W= 90	N= Ex LINER S= E= 89 W= 91	N= Ex LINER S= E= 90 W= 92

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 92	PANEL LOCATION REFERENCE NUMBER 93	PANEL LOCATION REFERENCE NUMBER 94
PANEL/ROLL NUMBER	237	237	236
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E		Y.E
ADJACENT PANEL	N= Ex LINER S= E= 91 W= 93	N= Ex LINER S= E= 92 W= 9	N= Ex LINER S= E= 93 W= 96-95

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 95	PANEL LOCATION REFERENCE NUMBER 96	PANEL LOCATION REFERENCE NUMBER 97
PANEL/ROLL NUMBER	236	236	235
DEPLOYMENT LENGTH	55 ft	68 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= 96 E= 94 W= 97	N= 195 S= E= 94 W= 97	N= Ex LINER S= E= 96 - 95 W= 98

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 98	PANEL LOCATION REFERENCE NUMBER 99	PANEL LOCATION REFERENCE NUMBER 100
PANEL/ROLL NUMBER	235	225	216
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 97 W= 101 - 100	N= Ex LINER S= E= 100 W= 104	N= 98 Ex LINER S= E= 103 - 101 W= 99

SUBMITTED BY: Y.E
DATE: Sep 4 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10c - 057 PROJECT TITLE: Storm water D. Ke

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM DATE: Sep 2nd / 2010

SHEET NUMBER: 11

DEPLOYMENT EQUIPMENT: Hydrolic Beam "Cat 320 hoe"

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 101	PANEL LOCATION REFERENCE NUMBER 102	PANEL LOCATION REFERENCE NUMBER 103
PANEL/ROLL NUMBER	216	225	225
DEPLOYMENT LENGTH	97 ft	39 ft	71 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 100 S= 102 E= 98 W= 103-100	N= 101-103 S= E= 101 W= 103	N= 101 S= E= 102 W= 100

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 104	PANEL LOCATION REFERENCE NUMBER 105	PANEL LOCATION REFERENCE NUMBER 106
PANEL/ROLL NUMBER	223	223	217
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 99 W= 104	N= EX LINER S= E= 104 W= 106	N= EX LINER S= E= 105 W= 107

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 107	PANEL LOCATION REFERENCE NUMBER 108	PANEL LOCATION REFERENCE NUMBER 109
PANEL/ROLL NUMBER	217	210	210
DEPLOYMENT LENGTH	123 ft	112 ft	127 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 106 W= 108	N= EX LINER S= E= 107 W= 109	N= EX LINER S= E= 108 W= 110

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 110	PANEL LOCATION REFERENCE NUMBER 111	PANEL LOCATION REFERENCE NUMBER 112
PANEL/ROLL NUMBER	143	143	142
DEPLOYMENT LENGTH	127 ft	116 ft	123 ft
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 109 W= 111	N= EX LINER S= E= 110 W= 112	N= EX LINER S= E= 111 W= 113

SUBMITTED BY: Y. E

DATE: Sep 4 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm water Dike

OWNER: Agnico Eagle Mine CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM DATE: Sep 2nd /2010

SHEET NUMBER: 12

DEPLOYMENT EQUIPMENT: Hydrolic Boom Cat 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 113	PANEL LOCATION REFERENCE NUMBER 114	PANEL LOCATION REFERENCE NUMBER 115
PANEL/ROLL NUMBER	142	141	141
DEPLOYMENT LENGTH	123 ft	123 ft	123 ft
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 112 W= 114	N= EX LINER S= E= 113 W= 115	N= EX LINER S= E= 114 W= 116

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: Sep 4 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 100 - 057
PROJECT TITLE: storm water Dike
OWNER: Agnico EAgle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Sep 3rd / 2010
SHEET NUMBER: 13

DEPLOYMENT EQUIPMENT: Hydrolic Cat 320-Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 116	PANEL LOCATION REFERENCE NUMBER 117	PANEL LOCATION REFERENCE NUMBER 118
PANEL/ROLL NUMBER	138	138	139
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 115 W= 117	N= EX LINER S= E= 116 W= 118	N= EX LINER S= E= 117 W= 119

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 119	PANEL LOCATION REFERENCE NUMBER 120	PANEL LOCATION REFERENCE NUMBER 121
PANEL/ROLL NUMBER	139	131	131
DEPLOYMENT LENGTH	126 ft	49 ft	77 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 118 W= 120 - 121	N= EX LINER S= 121 E= 119 W= 122	N= 120 S= E= 119 W= 122

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 122	PANEL LOCATION REFERENCE NUMBER 123	PANEL LOCATION REFERENCE NUMBER 124
PANEL/ROLL NUMBER	131	134	134
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 120 - 121 W= 123	N= EX LINER S= E= 122 W= 124	N= EX LINER S= E= 123 W= 125

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 125	PANEL LOCATION REFERENCE NUMBER 126	PANEL LOCATION REFERENCE NUMBER 127
PANEL/ROLL NUMBER	140	140	136
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 124 W= 126	N= EX LINER S= E= 125 W= 127	N= EX LINER S= E= 126 W= 128

SUBMITTED BY:
DATE: Sep 4/ 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM DATE: Sep 3rd/2010
SHEET NUMBER: 14
DEPLOYMENT EQUIPMENT: Hydrolic Beam - Cat 320 -Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 128	PANEL LOCATION REFERENCE NUMBER 129	PANEL LOCATION REFERENCE NUMBER 130
PANEL/ROLL NUMBER	136	135	135
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	8°	8°	8°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 127 W= 129	N= EX LINER S= E= 128 W= 130	N= EX LINER S= E= 129 W= 131

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 131	PANEL LOCATION REFERENCE NUMBER 132	PANEL LOCATION REFERENCE NUMBER 133
PANEL/ROLL NUMBER	105	105	104
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	9°	9°	9°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 130 W= 132	N= EX LINER S= E= 131 W= 133	N= EX LINER S= E= 132 W= 134

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 134	PANEL LOCATION REFERENCE NUMBER 135	PANEL LOCATION REFERENCE NUMBER 136
PANEL/ROLL NUMBER	104	106	106
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	9°	9°	9°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 133 W= 135	N= EX LINER S= E= 134 W= 136	N= EX LINER S= E= 135 W= 137

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 137	PANEL LOCATION REFERENCE NUMBER 138	PANEL LOCATION REFERENCE NUMBER 139
PANEL/ROLL NUMBER	101	101	100
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	9°	9°	9°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 136 W= 138	N= EX LINER S= E= 137 W= 139	N= EX LINER S= E= 138 W= 140

SUBMITTED BY:
DATE: Sep 4 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057 PROJECT TITLE: Storm water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM DATE: Sep 3rd/2010
SHEET NUMBER: 15
DEPLOYMENT EQUIPMENT: Hydrolic Beam cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER L140	PANEL LOCATION REFERENCE NUMBER L141	PANEL LOCATION REFERENCE NUMBER L142
PANEL/ROLL NUMBER	100	102	102
DEPLOYMENT LENGTH	126Ft	126 ft	52 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 139 W= 141	N= Ex LINER S= E= 140 W= 142-143	N= Ex LINER S= 143 E= 141 W= 144

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER L143	PANEL LOCATION REFERENCE NUMBER L144	PANEL LOCATION REFERENCE NUMBER L145
PANEL/ROLL NUMBER	102	103	103
DEPLOYMENT LENGTH	74 ft	126 ft	126 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 142 S= E= 141 W= 144	N= Ex LINER S= E= 142-143 W= 145	N= Ex LINER S= E= 144 W= 146

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER L146	PANEL LOCATION REFERENCE NUMBER L147	PANEL LOCATION REFERENCE NUMBER L148
PANEL/ROLL NUMBER	248	248	249
DEPLOYMENT LENGTH	126 ft	126 ft	99 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= Ex LINER S= E= 145 W= 147	N= Ex LINER S= E= 146 W= 148-149	N= Ex LINER S= 149 E= 147 W= 150

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER L149	PANEL LOCATION REFERENCE NUMBER L150	PANEL LOCATION REFERENCE NUMBER L151
PANEL/ROLL NUMBER	249	249	132
DEPLOYMENT LENGTH	27 ft	126 ft	126 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 148 S= E= 147 W= 150	N= Ex LINER S= E= 148-149 W= 151	N= Ex LINER S= E= 150 W= 152

SUBMITTED BY:
DATE: Sep 4/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057 PROJECT TITLE: storm water Dike

OWNER: Agnico Eagle Mines CONTRACTOR: Agnice Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of GBM DATE: Sep 3rd/2010

SHEET NUMBER: 16

DEPLOYMENT EQUIPMENT: Hydrolic Beam Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 152	PANEL LOCATION REFERENCE NUMBER 153	PANEL LOCATION REFERENCE NUMBER 154
PANEL/ROLL NUMBER	132	133	133
DEPLOYMENT LENGTH	126 ft	126 ft	126 f
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= EX LINER S= E= 151 W= 153	N= EX LINER S= E= 152 W= 154	N= EX LINER S= E= 153 W= 155

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY:

DATE: Sep 4/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 106-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico-Eagle Mines
CONTRACTOR: Agnico-Eagle Mines
LOCATION: Baker Lake, NU

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM
DATE: Sept. 4, 2010
SHEET NUMBER: 17

DEPLOYMENT EQUIPMENT: Hydraulic Beam, Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 155	PANEL LOCATION REFERENCE NUMBER 156	PANEL LOCATION REFERENCE NUMBER 157
PANEL/ROLL NUMBER	128	128	129
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 154 W= 156	N= EX LINER S= E= 155 W= 157	N= EX LINER S= E= 156 W= 158

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 158	PANEL LOCATION REFERENCE NUMBER 159	PANEL LOCATION REFERENCE NUMBER 160
PANEL/ROLL NUMBER	129	130	130
DEPLOYMENT LENGTH	126'	85'	41'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 157 W= 159-160	N= EX LINER S= 160 E= 158 W= 161	N= 159 S= E= 158 W= 161

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 161	PANEL LOCATION REFERENCE NUMBER 162	PANEL LOCATION REFERENCE NUMBER 163
PANEL/ROLL NUMBER	130	127	127
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 159-160 W= 162	N= EX LINER S= E= 161 W= 163	N= EX LINER S= E= 162 W= 164

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 164	PANEL LOCATION REFERENCE NUMBER 165	PANEL LOCATION REFERENCE NUMBER 166
PANEL/ROLL NUMBER	202	202	125
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 163 W= 165	N= EX LINER S= E= 164 W= 166	N= EX LINER S= E= 165 W= 167

SUBMITTED BY:
DATE: Sep 6 2010

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LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm Water Dike

OWNER: Agnico-Eagle Mines CONTRACTOR: Agnico-Eagle Mines

LOCATION: Baker Lake, NU

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM DATE: Sept. 4, 2010

SHEET NUMBER: 18

DEPLOYMENT EQUIPMENT: Hydraulic Beam, Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 167	PANEL LOCATION REFERENCE NUMBER 168	PANEL LOCATION REFERENCE NUMBER 169
PANEL/ROLL NUMBER	125	126	126
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 166 W= 168	N= EX LINER S= E= 167 W= 169	N= EX LINER S= E= 168 W= 170

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 170	PANEL LOCATION REFERENCE NUMBER 171	PANEL LOCATION REFERENCE NUMBER 172
PANEL/ROLL NUMBER	214	214	60
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 169 W= 171	N= EX LINER S= E= 170 W= 172	N= EX LINER S= E= 171 W= 173

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 173	PANEL LOCATION REFERENCE NUMBER 174	PANEL LOCATION REFERENCE NUMBER 175
PANEL/ROLL NUMBER	60	219	219
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	6°	6°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 172 W= 174	N= EX LINER S= E= 173 W= 175	N= EX LINER S= E= 174 W= 176

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 176	PANEL LOCATION REFERENCE NUMBER 177	PANEL LOCATION REFERENCE NUMBER 178
PANEL/ROLL NUMBER	208	208	206
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 175 W= 177	N= EX LINER S= E= 176 W= 178	N= EX LINER S= E= 177 W= 179

SUBMITTED BY:

DATE: Sep 6 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Stormwater Dike
OWNER: Agnico-Eagle Mines
CONTRACTOR: Agnico-Eagle Mines
LOCATION: Baker Lake, NU
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM
DATE: Sept 4, 2010
SHEET NUMBER: 19
DEPLOYMENT EQUIPMENT: Hydraulic Beam, Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 179	PANEL LOCATION REFERENCE NUMBER 180	PANEL LOCATION REFERENCE NUMBER 181
PANEL/ROLL NUMBER	206	204	204
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 178 W= 180	N= EX LINER S= E= 179 W= 181	N= EX LINER S= E= 180 W= 182

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 182	PANEL LOCATION REFERENCE NUMBER 183	PANEL LOCATION REFERENCE NUMBER 184
PANEL/ROLL NUMBER	205	205	203
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 181 W= 183	N= EX LINER S= E= 182 W= 184	N= EX LINER S= E= 183 W= 185

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 185	PANEL LOCATION REFERENCE NUMBER 186	PANEL LOCATION REFERENCE NUMBER 187
PANEL/ROLL NUMBER	203	207	207
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 184 W= 186	N= EX LINER S= E= 185 W= 187	N= EX LINER S= E= 186 W= 188

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 188	PANEL LOCATION REFERENCE NUMBER 189	PANEL LOCATION REFERENCE NUMBER 190
PANEL/ROLL NUMBER	59	59	58
DEPLOYMENT LENGTH	126'	126'	126'
AMBIENT AIR TEMP.	13°	13°	13°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E.	Y.E.	Y.E.
ADJACENT PANEL	N= EX LINER S= E= 187 W= 189	N= EX LINER S= E= 188 W= 190	N= EX LINER S= E= 189 W= 191

SUBMITTED BY:
DATE: Sep 6 2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Stormwater Dike

OWNER: Agnico-Eagle Mines CONTRACTOR: Agnico-Eagle Mines

LOCATION: Baker Lake, NU

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of BGM DATE: Sept. 4, 2010

SHEET NUMBER: 20

DEPLOYMENT EQUIPMENT: Hydraulic Beam, Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 191	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	58		
DEPLOYMENT LENGTH	126'		
AMBIENT AIR TEMP.	13°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	8"		
CHECKED BY	Y.E.		
ADJACENT PANEL	N= EX LINER S=	N= S=	N= S=
	E= 190 W= 192	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S=	N= S=	N= S=
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S=	N= S=	N= S=
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S=	N= S=	N= S=
	E= W=	E= W=	E= W=

SUBMITTED BY: _____

DATE: Sep 6 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM DATE: Sep 8 / 2010
SHEET NUMBER: 21
DEPLOYMENT EQUIPMENT: Hydrolic Beam Cut 320 hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 192	PANEL LOCATION REFERENCE NUMBER 193	PANEL LOCATION REFERENCE NUMBER 194
PANEL/ROLL NUMBER	055	055	057
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 191 W= 193	N= EX LINER S= E= 192 W= 194	N= EX LINER S= E= 193 W= 195

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 195	PANEL LOCATION REFERENCE NUMBER 196	PANEL LOCATION REFERENCE NUMBER 197
PANEL/ROLL NUMBER	057	024	024
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 194 W= 196	N= EX LINER S= E= 195 W= 197	N= EX LINER S= E= 196 W= 198

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 198	PANEL LOCATION REFERENCE NUMBER 199	PANEL LOCATION REFERENCE NUMBER 200
PANEL/ROLL NUMBER	244	244	247
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	7°	7°	9°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 197 W= 199	N= EX LINER S= E= 198 W= 200	N= EX LINER S= E= 199 W= 201

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 201	PANEL LOCATION REFERENCE NUMBER 202	PANEL LOCATION REFERENCE NUMBER 203
PANEL/ROLL NUMBER	247	245	245
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	9°	9°	9°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 200 W= 202	N= EX LINER S= E= 201 W= 203	N= EX LINER S= E= 202 W= 204

SUBMITTED BY:
DATE: Sep 6 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10c - 057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM
DATE: Sep 5/2010
SHEET NUMBER: 22
DEPLOYMENT EQUIPMENT: Hydrolic Boom Cat 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 204	PANEL LOCATION REFERENCE NUMBER 205	PANEL LOCATION REFERENCE NUMBER 206
PANEL/ROLL NUMBER	239	239	246
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 203 W= 205	N= EX LINER S= E= 204 W= 206	N= EX LINER S= E= 205 W= 207

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 207	PANEL LOCATION REFERENCE NUMBER 208	PANEL LOCATION REFERENCE NUMBER 209
PANEL/ROLL NUMBER	246	241	241
DEPLOYMENT LENGTH	126 ft	126 ft	126 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 206 W= 208	N= EX LINER S= E= 207 W= 209	N= EX LINER S= E= 208 W= 210

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 210	PANEL LOCATION REFERENCE NUMBER 211	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	056	056	
DEPLOYMENT LENGTH	126 ft	126 ft	
AMBIENT AIR TEMP.	10°	10°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	8"	8"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= EX LINER S= E= 209 W= 211	N= EX LINER S= E= 210 W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY:
DATE: Sep 6/2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation BGM DATE: Sep 9 /2010

SHEET NUMBER: 23

DEPLOYMENT EQUIPMENT: Hydrolic Beam - CAT 320 HOE

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER P-212	PANEL LOCATION REFERENCE NUMBER 213	PANEL LOCATION REFERENCE NUMBER 214
PANEL/ROLL NUMBER	144	144	115
DEPLOYMENT LENGTH	131 ft	131 ft	131 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 213 W= 1	N= EX LINER S= E= 214 W= 212	N= EX LINER S= E= 215 W= 213

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 215	PANEL LOCATION REFERENCE NUMBER 216	PANEL LOCATION REFERENCE NUMBER 217
PANEL/ROLL NUMBER	115	113	113
DEPLOYMENT LENGTH	131 ft	128 ft	128 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= EX LINER S= E= 216 W= 214	N= S= E= 217 W= 215	N= S= E= 218 W= 216

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 218	PANEL LOCATION REFERENCE NUMBER 219	PANEL LOCATION REFERENCE NUMBER 220
PANEL/ROLL NUMBER	110	110	111
DEPLOYMENT LENGTH	98 ft	98 ft	98 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= E= 219 W= 217	N= S= E= 220 W= 218	N= S= E= 221 W= 219

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 221	PANEL LOCATION REFERENCE NUMBER 222	PANEL LOCATION REFERENCE NUMBER 223
PANEL/ROLL NUMBER	111	112	112
DEPLOYMENT LENGTH	98 ft	98 ft	98 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= E= 222 W= 220	N= S= E= 223 W= 221	N= S= E= 224 W= 222

SUBMITTED BY:

DATE:

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of BGM DATE: Sep 9 2010
SHEET NUMBER: 24
DEPLOYMENT EQUIPMENT: Hydrolic Beam - CAT 320 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 224	PANEL LOCATION REFERENCE NUMBER 225	PANEL LOCATION REFERENCE NUMBER 226
PANEL/ROLL NUMBER	107	107	108
DEPLOYMENT LENGTH	98 ft	98 ft	98 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= E= 225 S= W= 223	N= E= 226 S= W= 224	N= E= 227 S= W= 225

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 227	PANEL LOCATION REFERENCE NUMBER 228	PANEL LOCATION REFERENCE NUMBER 229
PANEL/ROLL NUMBER	108	108	091
DEPLOYMENT LENGTH	98 ft	64 ft	81 ft
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= E= 228 S= W= 226	N= E= 229 S= W= 227	N= E= 230 S= W= 228

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 230	PANEL LOCATION REFERENCE NUMBER 231	PANEL LOCATION REFERENCE NUMBER 232
PANEL/ROLL NUMBER	109	109	109
DEPLOYMENT LENGTH	63 ft	63 ft	63 ft.
AMBIENT AIR TEMP.	10°	10°	10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= E= 231 S= W= 229	N= E= 232 S= W= 230	N= E= S= W= 231

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= E= S= W=	N= E= S= W=	N= E= S= W=

SUBMITTED BY:
DATE:

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Stormwater Dike

OWNER: AEM - Meadowbank Project CONTRACTOR: Agnico-Eagle Mines

LOCATION: Baker Lake, NU

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: DATE: Sept. 18, 2010

SHEET NUMBER: 25

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 233	PANEL LOCATION REFERENCE NUMBER 234	PANEL LOCATION REFERENCE NUMBER 235
PANEL/ROLL NUMBER	054	054	242
DEPLOYMENT LENGTH	130'	130'	130'
AMBIENT AIR TEMP.	7°	7°	7°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	TM	TM	TM
ADJACENT PANEL	N= Ext. BGM S= E= 211 W= 234	N= Ext. BGM S= E= 233 W= 235	N= Ext. BGM S= E= 234 W= 236

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 236	PANEL LOCATION REFERENCE NUMBER 237	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	242	130	
DEPLOYMENT LENGTH	130'	130'	
AMBIENT AIR TEMP.	7°	7°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	8"	8"	
CHECKED BY	TM	TM	
ADJACENT PANEL	N= Ext. BGM S= E= 235 W= 237	N= Ext. BGM S= E= 236 W= 238	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY:

DATE:

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Stormwater Dike
OWNER: AEM - Meadowbank Project
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake, NU

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: Sept. 27, 2010
SHEET NUMBER: 26

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 238	PANEL LOCATION REFERENCE NUMBER 239	PANEL LOCATION REFERENCE NUMBER 240
PANEL/ROLL NUMBER	243	243	130
DEPLOYMENT LENGTH	130'	130'	59'
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	TM	TM	TM
ADJACENT PANEL	N= Ext. BGM S= E= 237 W= 239	N= Ext. BGM S= E= 238 W= 240/241	N= Ext. BGM S= E= 239 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 241	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	130		
DEPLOYMENT LENGTH	71'		
AMBIENT AIR TEMP.	-2°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	8"		
CHECKED BY	TM		
ADJACENT PANEL	N= 240 S= E= 239 W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY:

DATE:

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut, Baker Lake

✓ BGM

_____ FUSION

_____ EXTRUSION

_____ SOLVENT

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 1

DATE: Aug 30 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
1 / 2	NEOS	-SEOS	16:20	15°	TM		-	-	114 ft		Y.E			
2 / 3	NEOS	-SEOS	16:33	15°	TM		-	-	114 ft		Y.E			
3 / 4	NEOS	-SEOS	16:55	15°	TM		-	-	114 ft		Y.E			
4 / 5	NEOS	-SEOS	17:20	11°	TM		-	-	114 ft		Y.E			
5 / 6	NEOS	-SEOS	17:58	11°	TM		-	-	114 ft		Y.E			
6 / 7	NEOS	-SEOS	18:04	11°	TM		-	-	114 ft		Y.E			
TW 1 / 7	NEOS	-EEOS	18:30	11°	TM		-	-	91 ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 1st 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut, Baker Lake

✓ BGM

_____ FUSION

_____ EXTRUSION

_____ SOLVENT

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 2

DATE: Aug 31 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
7 / 8	NEOS	-SEOS	7:32	5°	TM		-	-	123 ft		Y.E			
8 / 9	NEOS	-SEOS	8:14	5°	TM		-	-	123 ft		Y.E			
9 / 10	NEOS	-SEOS	8:48	5°	TM		-	-	123 ft		Y.E			
10 / 11	NEOS	-SEOS	10:22	5°	TM		-	-	123 ft		Y.E			
11 / 12	NEOS	-SEOS	10:57	5°	TM		-	-	123 ft		Y.E			
12 / 13	NEOS	-SEOS	11:38	5°	TM		-	-	123 ft		Y.E			
13 / 14	NEOS	-SEOS	14:14	10°	TM		-	-	123 ft		Y.E			
14 / 15	NEOS	-SEOS	14:32	10°	TM		-	-	123 ft		Y.E			
16 / 17	NEOS	-SEOS	15:00	10°	TM		-	-	13 ft		Y.E			
15 / 16/17	NEOS	-SEOS	15:09	10°	TM		-	-	123 ft		Y.E			
18 / 16/17	NEOS	-SEOS	15:47	10°	TM		-	-	123 ft		Y.E			
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 2nd / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm Water DiKe

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM

_____ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 3

DATE: Aug 31 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
18/19	NEOS	-SEOS	16:10	18°	TM		-	-	123 ft		Y.E			
19/20	NEOS	-SEOS	16:45	18°	TM		-	-	123 ft		Y.E			
20/21	NEOS	-SEOS	17:15	18°	TM		-	-	123 ft		Y.E			
21/22	NEOS	-SEOS	19:15	10°	TM		-	-	123 ft		Y.E			
22/23	NEOS	-SEOS	19:35	10°	TM		-	-	123 ft		Y.E			
23/24	NEOS	-SEOS	15:20	14°	WH		-	-	123 ft		Y.E			
24/25	NEOS	-SEOS	15:45	14°	WH		-	-	123 ft		Y.E			
25/26	NEOS	-SEOS	15:55	14°	WH		-	-	123 ft		Y.E			
26/27	NEOS	-SEOS	16:20	10°	WH		-	-	123 ft		Y.E			
27/28	NEOS	-SEOS	16:36	10°	WH		-	-	123 ft		Y.E			
28/29	NEOS	-SEOS	16:56	10°	WH		-	-	123 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 2nd 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

✓ BGM

_____ FUSION

_____ EXTRUSION

_____ SOLVENT

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 4

DATE: Aug 31st / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
29/30	NEOS	-SEOS	17:14	10°	WH		-	-	123 ft		Y.E			
30/31	NEOS	-SEOS	17:35	10°	WH		-	-	123 ft		Y.E			
32/33	NEOS	-SEOS	17:55	10°	WH		-	-	13 ft		Y.E			
31/32/33	EEOS	-WEOS	19:30	7°	WH		-	-	123 ft		Y.E			
34 32/33	WEOS	-SEOS	19:45	7°	WH		-	-	123 ft		Y.E			
34/35	NEOS	-SEOS	20:05	7°	WH		-	-	123 ft		Y.E			
35/36	NEOS	-SEOS	20:20	7°	WH		-	-	123 ft		Y.E			
TY IW/36	NEOS	-EEOS	20:25	7°	TM		-	-	364 ft		Y.E			
							-	-						
							-	-						
							-	-						

DAILY TOTAL

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 2nd / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 5

DATE: Sep 1st / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
36/37	NEOS	SEOS	8:30	6°	T.M		-	-	123 ft		Y.E			
37/38	NEOS	SEOS	8:45	6°	T.M		-	-	126 ft		Y.E			
38/39	NEOS	SEOS	7:45	6°	W.H		-	-	126 ft		Y.E			
39/40	NEOS	SEOS	8:10	6°	W.H		-	-	126 ft		Y.E			
40/41	NEOS	SEOS	8:35	6°	W.H		-	-	126 ft		Y.E			
42/43	EEOS	WEOS	8:50	7°	W.H		-	-	13 ft		Y.E			
41 42/43	NEOS	SEOS	9:00	7°	W.H		-	-	126 ft		Y.E			
44 42/43	NEOS	SEOS	9:20	7°	T.M		-	-	126 ft		Y.E			
44/45	NEOS	SEOS	9:18	8°	W.H		-	-	126 ft		Y.E			
45/46	NEOS	SEOS	9:40	8°	T.M		-	-	126 ft		Y.E			
46/47	NEOS	SEOS	9:48	8°	W.H		-	-	126 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 3rd / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

BGM

✓ FUSION

____ EXTRUSION

____ SOLVENT

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 6

DATE: Sep 1st / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
47/48	NEOS	SEOS	10:09	7°	TM		-	-	126 ft					
48/49	NEOS	SEOS	10:05	8°	WH		-	-	126 ft					
49/50	NEOS	SEOS	10:35	8°	WH		-	-	126 ft					
50 51	NEOS	SEOS	10:50	8°	WH		-	-	126 ft					
51/52	NEOS	SEOS	11:07	10°	TM		-	-	126 ft					
52/53	NEOS	SEOS	11:20	10°	WH		-	-	126 ft					
54/55	WEOS	EEOS	11:22	10°	TM		-	-	13 ft					
53 54/55	NEOS	SEOS	11:35	10°	TM		-	-	126 ft					
56 54/55	NEOS	SEOS	12:30	10°	WH		-	-	126 ft					
56/57	NEOS	SEOS	13:20	10°	WH		-	-	126 ft					
57/58	NEOS	SEOS	13:40	10°	WH		-	-	126 ft					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 3rd / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057

PROJECT TITLE: storm water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Beaker Lake

PASSING TRIAL SEAMS

✓ FUSION BGM

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 7

DATE: Sep 25th /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
58/59	NEOS	SEOS	14:00	11°	WH		-	-	126'					
59/60	NEOS	SEOS	14:20	11°	WH		-	-	126'					
60/61	NEOS	SEOS	14:35	11°	WH		-	-	126'					
61/62	NEOS	SEOS	14:58	11°	TM		-	-	126'					
62/63	NEOS	SEOS	15:00	11°	WH		-	-	126'					
63/64	NEOS	SEOS	15:15	11°	TM		-	-	126'					
64/65	NEOS	SEOS	15:20	11°	WH		-	-	126'					
65/66	NEOS	SEOS	15:39	11°	TM		-	-	126'					
66/67	NEOS	SEOS	16:00	11°	WH		-	-	126'					
67/68	NEOS	SEOS	16:17	9°	WH		-	-	126'					
68/69	NEOS	SEOS	16:20	9°	TM		-	-	126'					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 25th /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM
_____ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 8

DATE: Sep 1st / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
69/70	NEOS	SEOS	16:35	9°	WH		-	-	126 ft					
70/71	SEO	SEOS	16:47	9°	WH		-	-	126 ft					
71/72	NEOS	SEOS	16:50	9°	TM		-	-	126 ft					
72/73	NEOS	SEOS	17:10	9°	WH		-	-	126 ft					
73/74	NEOS	SEOS	17:14	9°	TM		-	-	126 ft					
74/75	NEOS	SEOS	17:36	9°	WH		-	-	126 ft					
75/76	NEOS	SEOS	17:50	9°	TM		-	-	126 ft					
TM 37/76	NEOS	SEOS	18:10	9°	WH		-	-	507 ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 3rd / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION BGM

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 9

DATE: Sep 2nd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
76/77	NEOS	SEOS	7:30	8°	TM		-	-	123 ft		Y.E			
77/78	NEOS	SEOS	7:35	8°	WH		-	-	123 ft		Y.E			
78/79	NEOS	SEOS	7:55	8°	WH		-	-	123 ft		Y.E			
80/79	NEOS	SEOS	8:00	8°	TM		-	-	123 ft		Y.E			
80/81	NEOS	SEOS	8:10	8°	WH		-	-	123 ft		Y.E			
81/82	NEOS	SEOS	8:25	8°	WH		-	-	123 ft		Y.E			
82/83	NEOS	SEOS	8:53	8°	WH		-	-	123 ft		Y.E			
84/85	NEOS	SEOS	8:55	8°	TM		-	-	13 ft		Y.E			
83/84/85	NEOS	SEOS	9:05	10°	TM		-	-	123 ft		Y.E			
86 84/85	NEOS	SEOS	9:05	10°	WH		-	-	123 ft		Y.E			
86/87	NEOS	SEOS	9:23	10°	WH		-	-	123 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4th / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 10

DATE: Sep 2nd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
87/88	NEOS	-SEOS	9:30	10°	TM		-	-	123 ft		Y.E			
88/89	NEOS	-SEOS	9:37	10°	WH		-	-	123 ft		Y.E			
89/90	NEOS	-SEOS	9:55	10°	TM		-	-	123 ft		Y.E			
90/91	NEOS	-SEOS	10:04	10°	WH		-	-	123 ft		Y.E			
91/92	NEOS	-SEOS	10:29	10°	TM		-	-	123 ft		Y.E			
92/93	NEOS	-SEOS	10:23	10°	WH		-	-	123 ft		Y.E			
93/94	NEOS	-SEOS	10:42	10°	WH		-	-	123 ft		Y.E			
95/96	EOS	-EOS	10:50	10°	WH		-	-	13 ft		Y.E			
94-95/96	NEOS	-SEOS	10:55	10°	WH		-	-	123 ft		Y.E			
97-95/96	NEOS	-SEOS	11:16	10°	TM		-	-	123 ft		Y.E			
97/98	NEOS	-SEOS	11:38	10°	TM		-	-	123 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C - 057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 11

DATE: Sep 2nd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
98 /101	NEOS	SEOS	13:46	12°	WH		-	-	97 ft		Y.E			
98 /100	NEOS	SEOS	13:44	12°	WH		-	-	33 ft		Y.E			
99 /100	NEOS	SEOS	14:17	12°	TM		-	-	123 ft		Y.E			
100/103	NEOS	SEOS	14:05	12°	TM		-	-	69 ft		Y.E			
101 102 103 106	NEOS	SEOS	13:45	12°	TM		-	-	97 ft		Y.E			
102 /103	NEOS	SEOS	14:00	12°	WH		-	-	30 ft		Y.E			
99 /104	NEOS	SEOS	14:20	12°	WH		-	-	123 ft		Y.E			
104/105	NEOS	SEOS	14:40	12°	WH		-	-	123 ft		Y.E			
105 106	NEOS	SEOS	14:55	12°	WH		-	-	123 ft		Y.E			
107/106	NEOS	SEOS	15:05	12°	TM		-	-	123 ft		Y.E			
107/108	NEOS	SEOS	15:13	12°	WH		-	-	123 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057

PROJECT TITLE: Storm water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR:

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 12

DATE: Sep 2nd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
108/109	NEOS	SEOS	15:30	10°	TM		-	-	112 ft		Y.E			
109/110	NEOS	SEOS	15:15	10°	WH		-	-	127 ft		Y.E			
110/111	NEOS	SEOS	17:00	10°	TM		-	-	116 ft		Y.E			
111/112	NEOS	SEOS	17:25	10°	TM		-	-	128 ft		Y.E			
112/113	NEOS	SEOS	17:30	10°	WH		-	-	123 ft		Y.E			
113/114	NEOS	SEOS	17:45	9°	TM		-	-	123 ft		Y.E			
114/115	NEOS	SEOS	17:47	9°	WH		-	-	123 ft		Y.E			
TY-IN 22/115	WEOS	EEOS	18:00	9°	WH		-	-	128 ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ GDM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 13

DATE: Sep 3rd /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
115/116	NEOS	SEOS	7:30	8°	BM		-	-	123 ft					
116/117	NEOS	SEOS	7:50	8°	BM		-	-	126 ft					
117/118	NEOS	SEOS	8:15	8°	WH		-	-	126 ft					
118/119	NEOS	SEOS	8:15	8°	TM		-	-	126 ft					
120/121	WEOS	EEOS	8:29	8°	WH		-	-	13 ft					
119/120/121	NEOS	SEOS	8:40	8°	WH		-	-	126 ft					
122/120/121	NEOS	SEOS	8:44	8°	TM		-	-	126 ft					
122/123	NEOS	SEOS	9:00	8°	WH		-	-	126 ft					
123/124	NEOS	SEOS	9:15	8°	TM		-	-	126 ft					
124/125	NEOS	SEOS	9:44	8°	WH		-	-	126 ft					
125/126	NEOS	SEOS	9:45	8°	TM		-	-	126 ft					
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-067 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 14

DATE: Sep 3rd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
126/127	NEOS	SEOS	10:04	9°	WH		-	-	126 ft					
127/128	NEOS	SEOS	10:15	9°	TM		-	-	126 ft					
128/129	NEOS	SEOS	10:19	9°	WH		-	-	126 ft					
129/130	NEOS	SEOS	10:36	9°	WH		-	-	126 ft					
130/131	NEOS	SEOS	10:50	9°	TM		-	-	126 ft					
131/132	NEOS	SEOS	11:15	10°	TM		-	-	126 ft					
132/133	NEOS	SEOS	11:22	10°	WH		-	-	126 ft					
133/134	NEOS	SEOS	11:35	10°	TM		-	-	126 ft					
134/135	NEOS	SEOS	11:42	10°	WH		-	-	126 ft					
135/136	NEOS	SEOS	13:25	12°	TM		-	-	126 ft					
136/137	NEOS	SEOS	13:40	12°			-	-	126 ft					
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 15

DATE: Sep 3rd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
137/138	NEOS	SEOS	13:46	12°	TM		-	-	126 ft		Y.E			
138/139	NEOS	-SEOS	13:56	12°	WH		-	-	126 ft		Y.E			
139/140	NEOS	-SEOS	14:15	10°	TM		-	-	126 ft		Y.E			
140/141	NEOS	-SEOS	14:16	10°	WH		-	-	126 ft		Y.E			
142/143	NEOS	-SEOS	14:35	10°	TM		-	-	126 ft		Y.E			
143/142-143	NEOS	-EEOS	14:40	10°	TM		-	-	13 ft		Y.E			
144/142-143	NEOS	-SEOS	14:47	10°	WH		-	-	126 ft		Y.E			
144/145	NEOS	-SEOS	15:03	10°	WH		-	-	126 ft		Y.E			
145/146	NEOS	-SEOS	15:15	10°	TM		-	-	126 ft		Y.E			
146/147	NEOS	-SEOS	15:40	10	TM		-	-	126 ft		Y.E			
149/148	NEOS	-EEOS	15:50	10°	WH		-	-	13 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stor water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 16

DATE: Sep 3rd / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
147/149-148	NEOS	SEOS	15:56	10°	WH		-	-	126 ft					
150/149-148	NEOS	SEOS	16:13	10°	TM		-	-	126 ft					
150/151	NEOS	SEOS	16:27	9°	WH		-	-	126 ft					
151/152	NEOS	SEOS	16:44	9°	WH		-	-	126 ft					
152/153	NEOS	SEOS	17:00	9°	TM		-	-	126 ft					
153/154	NEOS	SEOS	17:05	9°	WH		-	-	126 ft					
TY/B-154	NEOS	EEOS	17:40	9°	WH		-	-	468 ft					
							-	-						
							-	-						
							-	-						
							-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 4 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 17

DATE: Sep 4 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
154/155	NEOS	-SEOS	7:56	6°	WH		-	-	126 ft		Y.E			
155/156	NEOS	-SEOS	8:10	6°	TM		-	-	126 ft		Y.E			
156/157	NEOS	-SEOS	8:18	6°	WH		-	-	126 ft		Y.E			
157/158	NEOS	-SEOS	8:40	6°	TM		-	-	126 ft		Y.E			
159/160	NEOS	-SEOS	8:45	6°	WH		-	-	13 ft		Y.E			
158/159-160	NEOS	-SEOS	8:50	6°	WH		-	-	126 ft		Y.E			
161/159-160	NEOS	-SEOS	9:05	6°	TM		-	-	126 ft		Y.E			
161/162	NEOS	-SEOS	9:11	6°	WH		-	-	126 ft		Y.E			
162/163	NEOS	-SEOS	9:30	6°	TM		-	-	126 ft		Y.E			
163/164	NEOS	-SEOS	9:36	6°	WH		-	-	126 ft		Y.E			
164/165	NEOS	-SEOS	9:57	6°	WH		-	-	126 ft		Y.E			
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 06 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 18

DATE: Sep 4 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
165/166	NEOS	SEOS	10:25	6°	WH		-	-	126 ft		Y.E			
166/167	NEOS	SEOS	10:43	6°	WH		-	-	126 ft		Y.E			
167/168	NEOS	SEOS	10:50	6°	TM		-	-	126 ft		Y.E			
168/169	NEOS	SEOS	11:10	6°	TM		-	-	126 ft		Y.E			
169/170	NEOS	SEOS	11:17	6°	WH		-	-	126 ft		Y.E			
170/171	NEOS	SEOS	11:30	6°	TM		-	-	126 ft		Y.E			
171/172	NEOS	SEOS	11:37	6°	WH		-	-	126 ft		Y.E			
172/173	NEOS	SEOS	11:42	6°	TM		-	-	126 ft		Y.E			
173/174	NEOS	SEOS	13:30	6°	TM		-	-	126 ft		Y.E			
174/175	NEOS	SEOS	13:50	13°	TM		-	-	126 ft		Y.E			
175/176	NEOS	SEOS	14:20	13°	TM		-	-	126 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 06/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 19

DATE: Sep 4 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
176/177	NEOS	-SEOS	14:00	13°	WH		-	-	126 ft		Y.E			
177/178	NEOS	-SEOS	14:15	13°	WH		-	-	126 ft		Y.E			
178/179	NEOS	-SEOS	14:30	13°	WH		-	-	126 ft		Y.E			
179/180	NEOS	-SEOS	14:40	13°	TM		-	-	126 ft		Y.E			
180/181	NEOS	-SEOS	14:52	13°	WH		-	-	126 ft		Y.E			
181/182	NEOS	-SEOS	15:10	13°	WH		-	-	126 ft		Y.E			
182/183	NEOS	-SEOS	15:30	13°	WH		-	-	126 ft		Y.E			
183/184	NEOS	-SEOS	15:55	13°	WH		-	-	126 ft		Y.E			
184/185	NEOS	-SEOS	16:00	13°	TM		-	-	126 ft		Y.E			
185/186	NEOS	-SEOS	16:15	13°	WH		-	-	126 ft		Y.E			
186/187	NEOS	-SEOS	16:20	13°	TM		-	-	126 ft		Y.E			
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 6/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 20

DATE: Sep 4 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
187/188	NEOS	-SEOS	16:35	6°	WH		-	-	126 ft		Y.E			
188/189	NEOS	-SEOS	16:45	6°	TM		-	-	126 ft		Y.E			
189/190	NEOS	-SEOS	16:55	6°	WH		-	-	126 ft		Y.E			
190/191	NEOS	-SEOS	17:10	6°	TM		-	-	126 ft		Y.E			
TP IN 155/191	WEOS	-EEOS	17:35	6°	WH		-	-	464 ft		Y.E			
	-						-	-						
	-						-	-						
	-						-	-						
	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 6 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ BGM FUSION			
EXTRUSION			
SOLVENT			

SHEET NUMBER: 21

DATE: Sep 5 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
191/192	NEOS	SEOS	7:40	6°	WH		-	-	126 ft		Y.E			
192/193	NEOS	SEOS	7:55	6°	TM		-	-	126 ft		Y.E			
193/194	NEOS	SEOS	8:05	6°	WH		-	-	126 ft		Y.E			
194/195	NEOS	SEOS	8:20	6°	TM		-	-	126 ft		Y.E			
195/196	NEOS	SEOS	8:30	6°	WH		-	-	126 ft		Y.E			
196/197	NEOS	SEOS	8:48	6°	W.H		-	-	126 ft		Y.E			
197/198	NEOS	SEOS	9:05	7°	TM		-	-	126 ft		Y.E			
198/199	NEOS	SEOS	9:27	7°	WH		-	-	126 ft		Y.E			
199/200	NEOS	SEOS	9:35	7°	BW		-	-	126 ft		Y.E			
200/201	NEOS	SEOS	9:50	7°	WH		-	-	126 ft		Y.E			
201/202	NEOS	SEOS	10:05	7°	TM		-	-	126 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 6 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION BGM			
EXTRUSION			
SOLVENT			

SHEET NUMBER: 22

DATE: Sep 6 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
202/203	NEOS	SEOS	10:22	7°	WH		-	-	126 ft		Y.E			
203/204	NEOS	SEOS	10:40	7°	TM		-	-	126 ft		Y.E			
204/205	NEOS	SEOS	10:46	7°	WH		-	-	126 ft		Y.E			
205/206	NEOS	SEOS	11:20	7°	TM		-	-	126 ft		Y.E			
206/207	NEOS	SEOS	11:25	8°	WH		-	-	126 ft		Y.E			
207/208	NEOS	SEOS	11:38	8°	WH		-	-	126 ft		Y.E			
208/209	NEOS	SEOS	11:40	8°	TM		-	-	126 ft		Y.E			
209/210	NEOS	SEOS	13:15	10°	Y.E		-	-	126 ft		Y.E			
210/211	NEOS	SEOS	13:30	10°	Y.E		-	-	126 ft		Y.E			
17/0 192/211	WEOS	EEOS	13:55	10°	T.M		-	-	267 ft		Y.E			
/	-						-	-						
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sep 6/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 23

DATE: Sep 9 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
1 1212	NEOS	SEOS	10:28	10°	WH		-	-	131 ft		Y.E			
212 1213	NEOS	SEOS	10:45	10°	WH		-	-	131 ft		Y.E			
213 1214	NEOS	SEOS	11:00	10°	WH		-	-	131 ft		Y.E			
214 1215	NEOS	SEOS	11:35	10°	WH		-	-	131 ft		Y.E			
215 1216	NEOS	SEOS	11:47	10°	WH		-	-	131 ft		Y.E			
216 1217	NEOS	SEOS	11:28	10°	WH		-	-	128 ft		Y.E			
217 1218	NEOS	SEOS	14:10	10°	WH		-	-	128 ft		Y.E			
218 1219	NEOS	SEOS	14:25	10°	WH		-	-	98 ft		Y.E			
219 1220	NEOS	SEOS	15:20	10°	WH		-	-	98 ft		Y.E			
220 1221	NEOS	SEOS	15:30	10°	WH		-	-	98 ft		Y.E			
221 1222	NEOS	SEOS	15:40	10°	WH		-	-	98 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: _____

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C - 057 **PROJECT TITLE:** storm water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ BGM FUSION

EXTRUSION

SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 24

DATE: Sep 9/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
222/223	NEOS	SEOS	15:50	10°	WH		-	-	98 ft					
223/224	NEOS	SEOS	16:10	10°	WH		-	-	98 ft					
224/225	NEOS	SEOS	16:15	10°	WH		-	-	98 ft					
225/226	NEOS	SEOS	16:20	10°	WH		-	-	98 ft					
226/227	NEOS	SEOS	16:35	10°	WH		-	-	98 ft					
227/228	NEOS	SEOS	16:55	10°	WH		-	-	64 ft					
228/227-229	NEOS	SEOS	16:45	10°	WH		-	-	81 ft					
229/230	NEOS	SEOS	17:00	10°	WH		-	-	163 ft					
230/231	NEOS	SEOS	17:15	10°	TM		-	-	163 ft					
231/232	NEOS	SEOS	17:30	10°	TM		-	-	63 ft					
#-1W 212/215	SEOS	WEOS	17:55	10°	WH		-	-	52 ft					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: _____

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: AEM; Meadowbank Project **CONTRACTOR:** Agnico - Eagle Mines

LOCATION: Baker Lake, NU

PASSING TRIAL SEAMS

BGM

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 25

DATE: Sept. 18, 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
211/233	NEOS	SEOS	15:00	7°	WH		-	-	130'					
233/234	NEOS	SEOS	15:35	7°	WH		-	-	130'					
234/235	NEOS	SEOS	15:50	7°	WH		-	-	130'					
235/236	NEOS	SEOS	16:15	7°	WH		-	-	130'					
236/237	NEOS	SEOS	16:28	7°	WH		-	-	130'					
TP-103 211/237	WEOS	SEOS	16:45	7°	WH		-	-	65'					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sept 28/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: AEM - Meadowbank Project. **CONTRACTOR:** Agnico-Eagle Mines.

LOCATION: Baker Lake, NU

PASSING TRIAL SEAMS

BGM
✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID

SHEET NUMBER: 26

DATE: Sept. 27, 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
237/238	NEOS	SEOS	16:50	-2°	TM		-	-	130'					
238/239	NEOS	SEOS	17:47	-2°	TM		-	-	130'					
239/240/241	NEOS	SEOS	18:01	-2°	TM		-	-	130'					
240/241	WEOS	EEOS	18:17	-2°	TM		-	-	13'					
TY-10 238/240	WEOS	EEOS	18:35	-2°	TM		-	-	39'					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: _____

DATE: Sept 28 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Nunavut, Baker Lake **SHEET NUMBER:** 1

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
1A	Sept. 7	S1-2	9' from SEOS	TC	P	WH	Sept. 6			
1B	Sept. 7	S1-2	4' from NEOS	FM	P	WH	Sept. 6			
1C	Sept. 7	S2-3	9' from SEOS	TC	P	WH	Sept. 6			
1D	Sept. 7	S2-3	49' from NEOS	SI	P	WH	Sept. 6			
1E	Sept. 7	S2-3	10' from NEOS	FM	P	WH	Sept. 6			
1F	Sept. 7	S2-3	6' from NEOS	FM	P	WH	Sept. 6			
1G	Sept. 7	P3, S2-3	1' from NEOS	MD	P	WH	Sept. 6	2' west		
1H	Sept. 7	S3-4	9' from SEOS	TC	P	WH	Sept. 6			
1I	Sept. 7	S3-4	67' from NEOS	SI	P	WH	Sept. 6			
1J	Sept. 7	S3-4	41' from NEOS	SI	P	WH	Sept. 6			
1K	Sept. 7	S3-4	33' from NEOS	FM	P	WH	Sept. 6			
1L	Sept. 7	S3-4	26' from NEOS	FM	P	WH	Sept. 6			
1M	Sept. 7	S3-4	1' from NEOS	FM	P	WH	Sept. 6			
1N	Sept. 7	S4-5	9' from SEOS	TC	P	WH	Sept. 6			
1O	Sept. 7	S4-5	7' from NEOS	FM	P	WH	Sept. 6			
1P	Sept. 7	P5, S4-5	4' from NEOS	MD	P	WH	Sept. 6	6' west		
1Q	Sept. 7	S5-6	9' from SEOS	TS	P	WH	Sept. 6			
1R	Sept. 7	S5-6	8' from NEOS	SI	P	WH	Sept. 6			
1S	Sept. 7	S6-7	9' from NEOS	SI	P	WH	Sept. 6			
1T	Sept. 7	S6-7	4' from SEOS	TC	P	WH	Sept. 6			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 2

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
2A	Sept. 7	P-7, S7-8	6' from NEOS	MD	P	WH	Sept. 6	3' East		
2B	Sept. 7	S7-8	9' from SEOS	TC	P	WH	Sept. 6			
2C	Sept. 7	S8-9	9' from SEOS	TC	P	WH	Sept. 6			
2D	Sept. 7	S9-10	9' from SEOS	TC	P	WH	Sept. 6			
2E	Sept. 7	S10-11	9' from SEOS	TC	P	WH	Sept. 6			
2F	Sept. 7	S11-12	9' from SEOS	TC	P	WH	Sept. 6			
2G	Sept. 7	S12-13	9' from SEOS	TC	P	WH	Sept. 6			
2H	Sept. 7	S13-14	9' from SEOS	TC	P	WH	Sept. 6			
2I	Sept. 7	S14-15	9' from SEOS	TC	P	WH	Sept. 6			
2J	Sept. 7	S15-17	9' from SEOS	TC	P	WH	Sept. 6			
2K	Sept. 7	S16-17	72' from SEOS	IO	C	WH	Sept. 6			
2L	Sept. 7	S17-18	9' from SEOS	TC	P	WH	Sept. 6			
2M	Sept. 7	S18-19	9' from SEOS	TC	P	WH	Sept. 6			
2N	Sept. 7	S19-20	9' from SEOS	TC	P	WH	Sept. 6			
2O	Sept. 7	S20-21	9' from SEOS	TC	P	WH	Sept. 6			
2P	Sept. 7	S21-22	9' from SEOS	TC	P	WH	Sept. 6			
2Q	Sept. 7	S22-23	9' from SEOS	TC	P	WH	Sept. 6			
2R	Sept. 7	S23-24	9' from SEOS	TC	P	WH	Sept. 6			
2S	Sept. 7	S24-25	9' from SEOS	TC	P	WH	Sept. 6			
2T	Sept. 7	S25-26	9' from SEOS	TC	P	WH	Sept. 6			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm water Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 3

DEFECT CODE	LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
3A	Sept. 7	S26-27	9' from SEOS	TC	P	WH	Sept. 6			
3B	Sept. 7	S27-28	9' from SEOS	TC	P	WH	Sept. 6			
3C	Sept. 7	S28-29	9' from SEOS	TC	P	WH	Sept. 6			
3D	Sept. 7	S29-30	9' from SEOS	TC	P	WH	Sept. 6			
3E	Sept. 7	S30-31	9' from SEOS	TC	P	WH	Sept. 6			
3F	Sept. 7	S31-33	9' from SEOS	TC	P	WH	Sept. 6			
3G	Sept. 7	S31-33	91' from SEOS	IO	C	TM	Sept. 6			
3H	Sept. 7	S33-34	9' from SEOS	TC	P	TM	Sept. 6			
3I	Sept. 7	S34-35	9' from SEOS	TC	P	TM	Sept. 6			
3J	Sept. 7	S35-36	9' from SEOS	TC	P	TM	Sept. 6			
3K	Sept. 7	S36-37	9' from SEOS	TC	P	TM	Sept. 6			
3L	Sept. 7	S37-38	9' from SEOS	TC	P	TM	Sept. 6			
3M	Sept. 7	S38-39	9' from SEOS	TC	P	TM	Sept. 6			
3N	Sept. 7	S39-40	9' from SEOS	TC	P	TM	Sept. 6			
3O	Sept. 7	S40-41	9' from SEOS	TC	P	TM	Sept. 6			
3P	Sept. 7	S41-42	47' from SEOS	IO	C	TM	Sept. 6			
3Q	Sept. 7	S42-43	9' from SEOS	TC	P	TM	Sept. 6			
3R	Sept. 7	S43-44	9' from SEOS	TC	P	TM	Sept. 6			
3S	Sept. 7	S44-45	9' from SEOS	TC	P	TM	Sept. 6			
3T	Sept. 7	S45-46	9' from SEOS	TC	P	TM	Sept. 6			

DEFECT TYPE:
AD - ANIMAL RELATED DAMAGE
B - UNDISPERSED RESIN BEAD
BO - FUSION WELDER BURN
BS - BOOT/SKIRT FROM FML PENETRATION
CO - CHANGE OF OVERLAP
CR - CREASE
D - INSTALLATION DAMAGE
DS-# - DESTRUCTIVE TEST NUMBER
EE - EARTHWORK EQUIPMENT DAMAGE
EXT - EXTENSION
FM - FISHMOUTH
FS - FAILED SEAM LENGTH
FTS - FIELD TEST STRIP
HT - HEAT TACK BURN
IO - INSUFFICIENT OVERLAP (UNDER SPEC.)
MD - MANUFACTURER/DELIVERY DAMAGE
PT - PRESSURE TEST CUT
SI - SOIL SURFACE IRREGULARITY
SL - SLAG ON TEXTURED SHEET
T - THREE PANEL INTERSECTION
VL - VACUUM TEST LEAK
WR - WRINKLE
WS - WELDER RESTART
OTHER: TC-Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 10 /2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: LOC-057 **PROJECT TITLE:** Storm water Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 4

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
4A	Sept. 7	S46-47	9' from SEOS	TC	P	TM	Sept. 6			
4B	Sept. 7	S47-48	9' from SEOS	TC	P	TM	Sept. 6			
4C	Sept. 7	S48-49	9' from SEOS	TC	P	TM	Sept. 6			
4D	Sept. 7	S49-50	9' from SEOS	TC	P	TM	Sept. 6			
4E	Sept. 7	S50-51	9' from SEOS	TC	P	TM	Sept. 6			
4F	Sept. 7	S51-52	9' from SEOS	TC	P	TM	Sept. 6			
4G	Sept. 7	S52-53	9' from SEOS	TC	P	TM	Sept. 6			
4H	Sept. 7	S53-55	9' from SEOS	TC	P	TM	Sept. 6			
4I	Sept. 7	S54-55	24' from SEOS	IO	C	TM	Sept. 6			
4J	Sept. 7	S55-56	9' from SEOS	TC	P	TM	Sept. 6			
4K	Sept. 7	S56-57	9' from SEOS	TC	P	TM	Sept. 6			
4L	Sept. 7	S57-58	9' from SEOS	TC	P	TM	Sept. 6			
4M	Sept. 7	S58-59	9' from SEOS	TC	P	TM	Sept. 6			
4N	Sept. 7	S59-60	9' from SEOS	TC	P	TM	Sept. 6			
4O	Sept. 7	S60-61	9' from SEOS	TC	P	TM	Sept. 6			
4P	Sept. 7	S61-62	9' from SEOS	TC	P	WH	Sept. 6			
4Q	Sept. 7	S62-63	9' from SEOS	TC	P	WH	Sept. 6			
4R	Sept. 7	S63-64	9' from SEOS	TC	P	WH	Sept. 6			
4S	Sept. 7	S64-65	9' from SEOS	TC	P	WH	Sept. 6			
4T	Sept. 7	S65-66	9' from SEOS	TC	P	WH	Sept. 6			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut. **SHEET NUMBER:** 5

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
5A	07/09	S66-67	9' from SEOS.	TC	P	WH	06/09			
5B	07/09	S67-68	9' from SEOS	TC	P	WH	06/09			
5C	07/09	S68-69	9' from SEOS	TC	P	WH	06/09			
5D	07/09	S69-70	9' from SEOS	TC	P	WH	06/09			
5E	07/09	S70-71	9' from SEOS	TC	P	WH	06/09			
5F	07/09	S71-72	9' from SEOS	TC	P	WH	06/09			
5G	07/09	S72-73	9' from SEOS	TC	P	WH	06/09			
5H	07/09	S73-74	9' from SEOS	TC	P	WH	06/09			
5I	07/09	S74-75	9' from SEOS	TC	P	WH	06/09			
5J	07/09	S75-76	9' from SEOS	TC	P	WH	06/09			
5K	07/09	S76-77	9' from SEOS	TC	P	WH	06/09			
5L	07/09	S77-78	9' from SEOS	TC	P	WH	06/09			
5M	07/09	S78-79	9' from SEOS	TC	P	WH	06/09			
5N	07/09	S79-80	9' from SEOS	TC	P	WH	06/09			
5O	07/09	S80-81	9' from SEOS	TC	P	WH	06/09			
5P	07/09	S81-82	9' from SEOS	TC	P	WH	06/09			
5Q	07/09	S82-83	9' from SEOS	TC	P	WH	06/09			
5R	07/09	S83-84	9' from SEOS	TC	P	WH	06/09			
5S	07/09	S84-85	14' from SEOS	IO	C	WH	06/09			
5T	07/09	S85-86	9' from SEOS	TC	P	WH	06/07			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 6

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
6A	07/09	S86-87	9' from SEOS	TC	P	WH	06/09			
6B	07/09	S87-88	9' from SEOS	TC	P	WH	06/09			
6C	07/09	S88-89	9' from SEOS	TC	P	WH	06/09			
6D	07/09	S89-90	9' from SEOS	TC	P	WH	06/09			
6E	07/09	S90-91	9' from SEOS	TC	P	WH	06/09			
6F	07/09	S91-92	9' from SEOS	TC	P	WH	06/09			
6G	07/09	S92-93	9' from SEOS	TC	P	TM	08/09			
6H	07/09	S93-94	9' from SEOS	TC	P	TM	08/09			
6I	07/09	S94-96	9' from SEOS	TC	P	TM	08/09			
6J	07/09	S96-97	9' from SEOS	TC	P	TM	08/09			
6K	07/09	S96-95	68' from SEOS	IO	C	TM	08/09			
6L	07/09	S97-98	9' from SEOS	TC	P	TM	08/09			
6M	07/09	S98-101	9' from SEOS	TC	P	TM	08/09			
6N	07/09	S101-102	9' from SEOS	TC	P	TM	08/09			
6O	07/09	S102-103	9' from SEOS	TC	P	TM	08/09			
6P	07/09	S101-100-103	69' from SEOS	IO	P	TM	08/09			
6Q	07/09	S101-102-103	30' from SEOS	IO	P	TM	08/09			
6R	07/09	S103-100	9' from SEOS	TC	P	TM	08/09			
6S	07/09	S99-100	9' from SEOS	TC	P	TM	08/09			
6T	07/09	S99-104	9' from SEOS	TC	P	TM	08/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut. **SHEET NUMBER:** 8

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
8A	07/09	S124-125	9' from SEOS	TC	P	TM	08/09			
8B	07/09	S125-126	9' from SEOS	TC	P	TM	08/09			
8C	07/09	S126-127	9' from SEOS	TC	P	TM	08/09			
8D	07/09	S127-128	9' from SEOS	TC	P	TM	08/09			
8E	07/09	S128-129	9' from SEOS	TC	P	TM	08/09			
8F	07/09	S129-130	9' from SEOS	TC	P	TM	08/09			
8G	07/09	S130-131	9' from SEOS	TC	P	WH	05/09			
8H	07/09	S13$-132	9' from SEOS	TC	P	WH	05/09			
8I	07/09	S132-133	9' from SEOS	TC	P	WH	05/09			
8J	07/09	S133-134	9' from SEOS	TC	P	WH	05/09			
8K	07/09	S134-135	9' from SEOS	TC	P	WH	05/09			
8L	07/09	S135-136	9' from SEOS	TC	P	WH	05/09			
8M	07/09	S136-137	9' from SEOS	TC	P	WH	05/09			
8N	07/09	S137-138	9' from SEOS	TC	P	WH	05/09			
8O	07/09	S138-139	9' from SEOS	TC	P	WH	05/09			
8P	07/09	S139-140	9' from SEOS	TC	P	WH	05/09			
8Q	07/09	S140-141	9' from SEOS	TC	P	WH	05/09			
8R	07/09	S141-143	9' from SEOS	TC	P	WH	05/09			
8S	07/09	S142-143	74' from SEOS	IO	C	WH	05/09			
8T	07/09	S143-144	9' from SEOS	TC	P	WH	05/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 9

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
9A	07/09	S144-145	9' from SEOS	TC	P	WH	05/09			
9B	07/09	S145-146	9' from SEOS	TC	P	WH	05/09			
9C	07/09	S146-147	9' from SEOS	TC	P	WH	05/09			
9D	07/09	S147-148	9' from SEOS	TC	P	WH	05/09			
9E	07/09	S148-149	27' from SEOS	IO	C	WH	05/09			
9F	07/09	S149-150	9' from SEOS	TC	P	WH	05/09			
9G	07/09	S150-151	9' from SEOS	TC	P	WH	05/09			
9H	07/09	S151-152	9' from SEOS	TC	P	WH	05/09			
9I	07/09	S152-153	9' from SEOS	TC	P	WH	05/09			
9J	07/09	S153-154	9' from SEOS	TC	P	WH	05/09			
9K	07/09	S154-155	9' from SEOS	TC	P	WH	05/09			
9L	07/09	S155-156	9' from SEOS	TC	P	WH	05/09			
9M	07/09	S156-157	9' from SEOS	TC	P	WH	05/09			
9N	07/09	S157-158	9' from SEOS	TC	P	WH	05/09			
9O	07/09	S158-160	9' from SEOS	TC	P	WH	05/09			
9P	07/09	S159-160	41' from SEOS	IO	C	WH	05/09			
9Q	07/09	S160-161	9' from SEOS	TC	P	WH	05/09			
9R	07/09	S161-162	9' from SEOS	TC	P	WH	05/09			
9S	07/09	S162-163	9' from SEOS	TC	P	WH	05/09			
9T	07/09	S163-164	9' from SEOS	TC	P	WH	05/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: NE

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 10

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
10A	07/09	S164-165	9' from SEOS	TC	P	WH	05/09			
10B	07/09	S165-166	9' from SEOS	TC	P	WH	05/09			
10C	07/09	S166-167	9' from SEOS	TC	P	WH	05/09			
10D	07/09	S167-168	9' from SEOS	TC	P	WH	05/09			
10E	07/09	S168-169	9' from SEOS	TC	P	WH	05/09			
10F	07/09	S169-170	9' from SEOS	TC	P	WH	05/09			
10G	07/09	S170-171	9' from SEOS	TC	P	WH	05/09			
10H	07/09	S171-172	9' from SEOS	TC	P	WH	05/09			
10I	07/09	S172-173	9' from SEOS	TC	P	WH	05/09			
10J	07/09	S173-174-175	9' from SEOS	TC	P	WH	05/09			
10K	07/09	S175-176	9' from SEOS	TC	P	WH	05/09			
10L	07/09	S176-177	9' from SEOS	TC	P	WH	05/09			
10M	07/09	S177-178	9' from SEOS	TC	P	WH	05/09			
10N	07/09	S178-179	9' from SEOS	TC	P	TM	05/09			
10O	07/09	S179-180	9' from SEOS	TC	P	TM	05/09			
10P	07/09	S180-181	9' from SEOS	TC	P	TM	05/09			
10Q	07/09	S181-182	9' from SEOS	TC	P	TM	05/09			
10R	07/09	S182-183	9' from SEOS	TC	P	TM	05/09			
10S	07/09	S183-184	9' from SEOS	TC	P	TM	05/09			
10T	07/09	S184-185	9' from SEOS.	TC	P	TM	05/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines.

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 11

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
11A	07/09	S185-186	9' from SEOS	TC	P	TM	05/09			
11B	07/09	S186-187	9' from SEOS	TC	P	TM	05/09			
11C	07/09	S187-188	9' from SEOS	TC	P	TM	05/09			
11D	07/09	S188-189	9' from SEOS	TC	P	TM	05/09			
11E	07/09	S189-190	9' from SEOS	TC	P	TM	05/09			
11F	07/09	S190-191	9' from SEOS	TC	P	TM	05/09			
11G	07/09	S191-192	9' from SEOS	TC	P	TM	05/09			
11H	07/09	S192-193	9' from SEOS	TC	P	TM	05/09			
11I	07/09	S193-194	9' from SEOS	TC	P	TM	05/09			
11J	07/09	S194-195	9' from SEOS	TC	P	TM	05/09			
11K	07/09	S195-196	9' from SEOS	TC	P	TM	05/09			
11L	07/09	S196-197	9' from SEOS	TC	P	TM	05/09			
11M	07/09	S197-198	9' from SEOS	TC	P	TM	05/09			
11N	07/09	S198-199	9' from SEOS	TC	P	TM	05/09			
11O	07/09	S199-200	9' from SEOS	TC	P	TM	05/09			
11P	07/09	S200-201	9' from SEOS	TC	P	TM	05/09			
11Q	07/09	S201-202	9' from SEOS	TC	P	TM	05/09			
11R	07/09	S202-203	9' from SEOS	TC	P	TM	05/09			
11S	07/09	S203-204	9' from SEOS	TC	P	TM	05/09			
11T	07/09	S204-205	9' from SEOS	TC	P	TM	05/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC - Tension Cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: YF

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 12

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
12A	07/09	S205-206	9' from SEOS	TC	P	TM	05/09			
12B	07/09	S206-207	9' from SEOS	TC	P	TM	05/09			
12C	07/09	S207-208	9' from SEOS	TC	P	TM	05/09			
12D	07/09	S208-209	9' from SEOS	TC	P	TM	05/09			
12E	07/09	S209-210	9' from SEOS	TC	P	TM	05/09			
12F	07/09	S210-211	9' from SEOS	TC	P	TM	05/09			
12G	10/23	S1-212	9' from SEOS	TC	P	WH	30/09			
12H	10/23	S212-213	9' from SEOS	TC	P	WH	30/09			
12I	10/23	S213-214	9' from SEOS	TC	P	WH	30/09			
12J	10/23	S214-215	9' from SEOS	TC	P	WH	30/09			
12K	10/23	S215-216	9' from SEOS	TC	P	WH	30/09			
12L	10/23	S216-217	9' from SEOS	TC	P	WH	30/09			
12M	10/23	S217-218	9' from SEOS	TC	P	WH	30/09			
12N	10/23	S218-219	9' from SEOS	TC	P	WH	30/09			
12O	10/23	S219-220	9' from SEOS	TC	P	WH	30/09			
12P	10/23	S220-221	9' from SEOS	TC	P	WH	30/09			
12Q	10/23	S221-222	9' from SEOS	TC	P	WH	30/09			
12R	10/23	S222-223	9' from SEOS	TC	P	WH	30/09			
12S	10/23	S223-224	9' from SEOS	TC	P	WH	30/09			
12T	10/23	S223-224	59' from SEOS	DS#8	P	WH	30/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC = Tension cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 13

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
13 A	10/23	S224-225	9' from SEOS	TC	P	WH	30/09			
13 B	10/23	S225-226	9' from SEOS	TC	P	WH	30/09			
13 C	10/23	S226-227	9' from SEOS	TC	P	WH	30/09			
13 D	10/23	P23, S22-23	4' from NEOS	MD	P	WH	30/09	1' West		
13 E	10/23	S28-29	33' from SEOS	DS#1	P	WH	30/09			
13 F	10/23	P-30, S29-30	2' from NEOS	MD	P	WH	30/09	4' West		
13 G	10/23	S37-38	44' from NEOS	BO	P	WH	30/09			
13 H	10/23	S38-39	1' from NEOS	BO	P	WH	30/09			
13 I	10/23	P-41, S40-41	6' from NEOS	MD	P	WH	30/09	3' West		
13 J	10/23	S47-48	50' from NEOS	BO	P	WH	30/09			
13 K	10/23	S47-48	39' from NEOS	BO	P	WH	30/09			
13 L	10/23	P-47, S46-47	2' from NEOS	MD	P	WH	30/09	7' West		
13 M	10/23	P-47, S47-48	1' from NEOS	MD	P	WH	30/09	1' East		
13 N	10/23	P-50, S49-50	5' from NEOS	BO	P	WH	30/09			
13 O	10/23	P-50 S50-51	6' from NEOS	BO	P	WH	30/09			
13 P	10/23	P-52, S51-52	5' from NEOS	BO	P	WH	30/09			
13 Q	10/23	P-54, S53-55	2' from NEOS	MD	P	WH	30/09	1' West		
13 R	10/23	S56-57	39' from NEOS	DS#2	P	WH	30/09			
13 S	10/23	S61-62	22' from NEOS	BO	P	WH	30/09			
13 T	10/23	S62-63	9' from NEOS	TC	P	WH	30/09			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: TC Tension cut

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 1 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 14

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
14A	10/23	S63-64	44' from SEOS	BO	P	WH	Oct. 1			
14B	10/23	P-63, S63-64	5' from NEOS	MD	P	WH	Oct. 1	4' East		
14C	10/23	P-65, S65-66	6' from NEOS	MD	P	WH	Oct. 1	3' East		
14D	10/23	S66-67	18' from SEOS	BO	P	WH	Oct. 1			
14E	10/23	S66-67	21' from SEOS	BO	P	WH	Oct. 1			
14F	10/23	S66-67	23' from SEOS	BO	P	WH	Oct. 1			
14G	10/23	S66-67	41' from SEOS	BO	P	WH	Oct. 1			
14H	10/23	P71, S70-71	3' from NEOS	MD	P	WH	Oct. 1	7' West		
14I	10/23	S72-73	19' from NEOS	BO	P	WH	Oct. 1			
14J	10/23	P-73, S73-74	10' from NEOS	MD	P	WH	Oct. 1	5' East		
14K	10/23	P-73, S72-73	11' from NEOS	MD	P	WH	Oct. 1	3' West		
14L	10/23	P-73, S72-73	4' from NEOS	MD	P	WH	Oct. 1	3' West		
14M	10/23	P-73, S73-72	3' from NEOS	MD	P	WH	Oct. 1	5' East		
14N	10/23	P-75, S74-75	2' from NEOS	MD	P	WH	oct. 1	2' West		
14O	10/23	P-75, S75-76	1' from NEOS	MD	P	WH	oct. 1	2' East		
14P	10/23	S76-77	67' from NEOS	BO	P	WH	oct. 1			
14Q	10/23	S76-77	51' from NEOS	BO	P	WH	oct. 1			
14R	10/23	P77, S77-78	2' from NEOS	MD	P	WH	Oct. 1	7' East		
14S	10/23	P-79, S79-80	5' from NEOS	MD	P	WH	oct. 1	6' East		
14T	10/23	S80-81	67' from NEOS	BO	P	WH	oct. 1			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut. **SHEET NUMBER:** 15

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
15 A	10/23	P-81, S81-82	40' from NEOS	MD	P	WH	Oct-1	5' East		
15 B	10/23	P-81, S81-82	33' from NEOS	MD	P	WH	Oct-1	5' East		
15 C	10/23	P-81, S81-82	26' from NEOS	MD	P	WH	Oct-1	5' East		
15 D	10/23	P-81, S81-82	19' from NEOS	MD	P	WH	Oct-1	5' East		
15 E		P-81, S81-82	13' from NEOS	MD	P	WH	Oct-1	5' East		
15 F		P83, S83-85	10' from NEOS	MD	P	WH	Oct-1	7' East		
15 G		P83, S82-83	3' from NEOS	MD	P	WH	Oct-1	1' West		
15 H		P 83, S83-85	3' from NEOS	MD	P	WH	Oct-1	7' East		
15 I		/85-86	41' from NEOS	DS#3	P	WH	Oct-1			
15 J		S98-101	9' from NEOS	BO	P	WH	Oct-1			
15 K		S104-105	31' from SEOS	BO	P	WH	Oct-1			
15 L		S 110-111	2' from NEOS	BO	P	WH	Oct-1			
15 M		S111-112	49' from NEOS	BO	P	WH	Oct-1			
15 N		S112-113	55' from NEOS	DS#4	P	WH	Oct-1			
15 O		P-115, S114-115	19' from NEOS	MD	P	WH	Oct-1	1' West		
15 P		P-128, S127-128	3' from NEOS	MD	P	WH	Oct-1	1' West.		
15 Q		P-134, S133-134	3' from NEOS	MD	P	WH	Oct-1	1' West		
15 R		S136-137	23' from NEOS	BO	P	WH	Oct-1			
15 S		P-137, S137-138	4' from NEOS	MD	P	WH	Oct-1	7' East.		
15 T	10/23	P-138, S137-138	3' from NEOS	MD	P	WH	Oct-1	1' West		

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 16

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DEFECT LOCATION DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
16 A	10/23	S138-139	36' from NEOS		P	WH	oct 1			
16 B		S140-141	53' from NEOS	DS#5	P	WH	oct /			
16 C		S144-145	NEOS		P	TM	oct /01	On tie in seam		
16 D		S149-150	41' from SEOS		P	TM	oct /01			
16 E		S151-152	36' from SEOS		P	TM	oct /01			
16 F		P153, S153-154	60' from SEOS		P	TM	oct /01	7' East		
16 G		P158, S157-158	16' from SEOS		P	TM	oct /01	5' West		
16 H		S161-162	30' from NEOS		P	TM	oct /01			
16 I		S167-168	42' from SEOS	DS#6	P	TM	oct /01			
16 J		P178, S177-178	3' from NEOS		P	TM	oct /01	7' West		
16 K		P188, S187-188	7' from NEOS		P	TM	oct /01	1' West		
16 L		S190-191	28' from NEOS		P	TM	oct /01			
16 M		P193, S192-193	4' from NEOS		P	TM	oct /01	1' West		
16 N		S195-196	37' from SEOS	DS#7	P	TM	30/9			
16 O		P-209, S208-209	NEOS	DS# 9	P	TM	30/09	2' West		
16 P		P-233, S211-233	9' from NEOS		P	TM	30/09	1' West		
16 Q		P-233, S211-233	6' from NEOS		P	TM	30/09	1' West		
16 R		P-233, S211-233	2' from NEOS		P	TM	30/09	1' West		
16 S		P-233, S233-234	6' from NEOS		P	TM	30/09	3' East		
16 T	10/23	S234-235	8' from NEOS		P	TM	30/09			

DEFECT TYPE:
AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.G

DATE: NOV 1/2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Stormwater Dike

OWNER: Agnico-Eagle Mines **CONTRACTOR:** Agnico-Eagle Mines

LOCATION: Baker Lake, Nunavut **SHEET NUMBER:** 17

DEFECT CODE	2010 LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	2010 REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
17A	10/23	S234-235	1' from NEOS		P	TM	30/09			
17B		P-235, S235-236	6' from NEOS		P	TM	30/09	3' East		
17C		P-235, S235-236	1' from NEOS		P	TM	30/09	3' East		
17D		S211-233	9' from SEOS		P	TM	30/09			
17E		S233-234	9' from SEOS		P	TM	30/09			
17F		S234-235	9' from SEOS		P	TM	30/09			
17G		S235-236	9' from SEOS		P	TM	30/09			
17H		S236-237	9' from SEOS		P	TM	30/09			
17I		S237-238	9' from SEOS		P	TM	30/09			
17J		S238-239	9' from SEOS		P	TM	30/09			
17K		S238-239	40' from SEOS		P	TM	30/09			
17L		S238-239	63' from SEOS		P	TM	30/09			
17M		S238-239	71' from SEOS		P	TM	30/09			
17N		S239-240	9' from SEOS		P	TM	30/09			
17O		S240-241	71' from SEOS	IO	C	TM	30/09			
17P	10/23	P81, S81-82	6' from NEOS					5' East		

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 1 / 2010

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Sept 19/2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 1

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	2010 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
232-231	-	09/19	T.M		|	Y.E							
225-224	-	09/19	T.M		|	Y.E							
217-216	-	09/19	T.M		|	Y.E							
3-4	-	09/19	T.M		|	Y.E							
11-12	-	09-19	T.M		|	Y.E							
20-21	-	09-19	T.M		|	Y.E							
20-21	-	09-19	T.M		|	Y.E							
28-29	-	09-19	T.M		|	Y.E							
37-38	-	09-19	T.M		|	Y.E							
55-56	-	09-19	T.M		|	Y.E							
63-64	-	09-19	T.M		|	Y.E							
71-72	-	09-19	T.M		|	Y.E							
79-80	-	09-19	T.M		|	Y.E							
88-89	-	09-19	T.M		|	Y.E							
97-98	-	09-19	T.M		|	Y.E							
104-105	-	09-19	T.M		|	Y.E							
112-113	-	09-19	T.M		|	Y.E							
121-122	-	09-19	T.M		|	Y.E							
129-130	-	09-19	T.M		|	Y.E							
137-138	-	09-19	T.M		|	Y.E							

*Test location Determined By Inspector

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: Sept 19/2010

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-067 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Sept 19 /2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 2

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	2010 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
151-152	-	09-19	T.M			Y.E							
153-154	-	09-19	T.M			Y.E							
162-163	-	09-19	T.M			Y.E							
170-171	-	09-19	T.M			Y.E							
178-179	-	09-19	T.M			Y.E							
186-187	-	09-19	T.M			Y.E							
194-195	-	09-19	T.M			Y.E							
202-203	-	09-19	T.M			Y.E							
210-211	-	09-19	T.M			Y.E							
210-211	-	09-19	T.M			Y.E							
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												

*Test Location Determined by inspector

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: Sept 19 2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: 1
TEST DATE: Oct 3 /2010
SEAM NUMBER: S29 - 29
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 23' SE05
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: 30 /09/2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	174	SE1	2				
3	166	SE1	4				
5	164	SE1	6				
7	178	SE1	8				
9	165	SE1	10				
11	180	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y.E
DATE: Oct 23 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS #2
SEAM NUMBER: 556/57
SAMPLE LOCATION: 39' NEOS
DATE SEAMED / SAMPLED: 30/09/2010
TYPE OF SEAM: Fusion

TEST DATE: oct 3/2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	172	SE1	2				
3	165	SE1	4				
5	162	SE1	6				
7	189	SE1	8				
9	214	SE1	10				
11	185	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: Oct 23/2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10c-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 3

DESTRUCTIVE TEST NUMBER*: DS#3
SEAM NUMBER: S 84 - 86
SAMPLE LOCATION: 41' from NE05
DATE SEAMED / SAMPLED: Oct /01 /2010
TYPE OF SEAM: Fusion

TEST DATE: Oct 3 /2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	164	SE1	2				
3	180	SE1	4				
5	202	SE1	6				
7	162	SE1	8				
9	161	SE1	10				
11	173	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y. G
DATE: Oct 23 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 4

DESTRUCTIVE TEST NUMBER*: DS # 4
TEST DATE: Oct 3 / 2010
SEAM NUMBER: S112 - 113
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
SAMPLE LOCATION: 55! from NE05
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE SEAMED / SAMPLED: oct 1st / 2010
DATE FORWARDED TO LAB ____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	173	SE1	2				
3	171	SE1	4				
5	171	SE1	6				
7	183	SE1	8				
9	160	SE1	10				
11	186	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ____ FAIL ____

NOTES: ____

CHECKED BY: Y. E
DATE: Oct 23 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 5

DESTRUCTIVE TEST NUMBER*: DS # 5
SEAM NUMBER: S 140 - 141
SAMPLE LOCATION: 53' from NE05
DATE SEAMED / SAMPLED: oct 101 /2010
TYPE OF SEAM: FUSION

TEST DATE: oct 3 /2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	154	SE1	2				
3	175	SE1	4				
5	155	SE1	6				
7	161	SE1	8				
9	156	SE1	10				
11	164	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: Oct 23 /2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 087
OWNER: Agnico EAgle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 6

DESTRUCTIVE TEST NUMBER*: DS #6
SEAM NUMBER: 5167 - 168
SAMPLE LOCATION: 42' from S605
DATE SEAMED / SAMPLED: oct / 01 / 2010
TYPE OF SEAM: FUSION

TEST DATE: oct 3 / 2010
ARCHIVE _____ LAYFIELD ✓ OWNER _____ ENGINEER
3RD PARTY _____ YES _____ NO _____ WHO?
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	163	SE1	2				
3	168	SE1	4				
5	164	SE1	6				
7	138	SE1	8				
9	173	SE1	10				
11	143	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y. G
DATE: oct 23 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 057
OWNER: Agnico EAgle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 7

DESTRUCTIVE TEST NUMBER*: DS # 7
SEAM NUMBER: 5195 - 196
SAMPLE LOCATION: 37' from SEDS
DATE SEAMED / SAMPLED: oct / 01 / 2010
TYPE OF SEAM: FUSION

TEST DATE: oct 23 / 2010
ARCHIVE _____ LAYFIELD ✓ OWNER _____ ENGINEER
3RD PARTY _____ YES _____ NO _____ WHO?
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	180	SE1	2				
3	163	SE1	4				
5	172	SE1	6				
7	148	SE1	8				
9	165	SE1	10				
11	140	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y. G
DATE: oct 23 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Storm Water Dike
OWNER: Agnico EAgle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 8

DESTRUCTIVE TEST NUMBER*: DS# 8
TEST DATE: Oct 3 /2010
SEAM NUMBER: S223 - 224
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 59' from SEOS
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: Sep 30 /2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: FUSION
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	158	SE1	2				
3	153	SE1	4				
5	163	SE1	6				
7	143	SE1	8				
9	165	SE1	10				
11	151	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y. E

DATE: Oct 23 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 9

DESTRUCTIVE TEST NUMBER*: DS 9
SEAM NUMBER: Tie-in 192/212
SAMPLE LOCATION: P-209 S208-209 NEOS 2' west
DATE SEAMED / SAMPLED: Sep 30 / 2010
TYPE OF SEAM: FUSION

TEST DATE: oct 3 / 2010
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ____ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	214	SE1	2				
3	214	SE1	4				
5	150	SE1	6				
7	163	SE1	8				
9	215	SE1	10				
11	210	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y. E
DATE: oct 23 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation LLDPE DATE: Sept 20 /2010

SHEET NUMBER: 1

DEPLOYMENT EQUIPMENT: Spreader Bar - cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 1	PANEL LOCATION REFERENCE NUMBER 2	PANEL LOCATION REFERENCE NUMBER 3
PANEL/ROLL NUMBER	330557-09	330557-09	330557-09
DEPLOYMENT LENGTH	60 ft	61 ft	62 ft
AMBIENT AIR TEMP.	2°	2°	2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= 2	N= 1 S= 3	N= 2 S= 4
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 4	PANEL LOCATION REFERENCE NUMBER 5	PANEL LOCATION REFERENCE NUMBER 6
PANEL/ROLL NUMBER	330557-09	330557-09	330557-09
DEPLOYMENT LENGTH	66 ft	70 ft	75 ft
AMBIENT AIR TEMP.	2°	2°	2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 3 S= 5	N= 4 S= 6	N= 5 S= 7
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 7	PANEL LOCATION REFERENCE NUMBER 8	PANEL LOCATION REFERENCE NUMBER 9
PANEL/ROLL NUMBER	330446-09	330446-09	330446-09
DEPLOYMENT LENGTH	77 ft	84 ft	82 ft
AMBIENT AIR TEMP.	2°	2°	2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 6 S= 8	N= 7 S= 9	N= 8 S= 10
	E= W=	E= W=	E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 10	PANEL LOCATION REFERENCE NUMBER 11	PANEL LOCATION REFERENCE NUMBER 12
PANEL/ROLL NUMBER	330446-09	330560-09	330560-09
DEPLOYMENT LENGTH	86 ft	85 ft	85 ft
AMBIENT AIR TEMP.	2°	2°	2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 9 S= 11	N= 10 S= 12	N= 11 S= 13
	E= W=	E= W=	E= W=

SUBMITTED BY: Y.E

DATE: Sept 21 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10c-057 PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE DATE: Sept 20 /2010

SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: Spreder Bar - Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 13	PANEL LOCATION REFERENCE NUMBER 14	PANEL LOCATION REFERENCE NUMBER 15
PANEL/ROLL NUMBER	330560-09	Unit	Unit
DEPLOYMENT LENGTH	93 ft	107 ft	128 ft
AMBIENT AIR TEMP.	-1°	-1°	-1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 12 S= 14 E= W=	N= 13 S= 15 E= W=	N= 14 S= 16 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 16	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	Unit		
DEPLOYMENT LENGTH	133 ft		
AMBIENT AIR TEMP.	-1°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= 15 S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: Sept 21/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2 Part B

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE TEXTURE DATE: Sept 22/2010

SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: Spreader Bar - Cat 330

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 17	PANEL LOCATION REFERENCE NUMBER 18	PANEL LOCATION REFERENCE NUMBER 19
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH	131 ft	118 ft	105 ft
AMBIENT AIR TEMP.	1°	1°	1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 34 S= 18 E= W=	N= 17 S= 19 E= W=	N= 18 S= 20 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 20	PANEL LOCATION REFERENCE NUMBER 21	PANEL LOCATION REFERENCE NUMBER 22
PANEL/ROLL NUMBER	330452-09	330452-09	330452-09
DEPLOYMENT LENGTH	94 ft	81 ft	69 ft
AMBIENT AIR TEMP.	1°	1°	1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 19 S= 21 E= W=	N= 20 S= 22 E= W=	N= 21 S= 23 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 23	PANEL LOCATION REFERENCE NUMBER 24	PANEL LOCATION REFERENCE NUMBER 25
PANEL/ROLL NUMBER	330452-09	330452-09	330452-09
DEPLOYMENT LENGTH	62 ft	64 ft	38' X 19'
AMBIENT AIR TEMP.	0°	0°	0°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 22 S= 24-25 E= W=	N= 23 S= E= W=	N= 24 S= 23 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 26	PANEL LOCATION REFERENCE NUMBER 27	PANEL LOCATION REFERENCE NUMBER 28
PANEL/ROLL NUMBER	330449-09	330449-09	330449-09
DEPLOYMENT LENGTH	62 ft	61 ft	58 ft
AMBIENT AIR TEMP.	0°	0°	0°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 24 S= 27 E= W=	N= 26 S= 28 E= W=	N= 27 S= 29 E= W=

SUBMITTED BY: Y.E

DATE: Sept - 23/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle dam 1 Part B
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE TEXTURE
DATE: Sept - 22 / 2010
SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT: Spredex Bar - Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 29	PANEL LOCATION REFERENCE NUMBER 30	PANEL LOCATION REFERENCE NUMBER 31
PANEL/ROLL NUMBER	330449-09	330449-09	330449-09
DEPLOYMENT LENGTH	56 ft	54 ft	52 ft
AMBIENT AIR TEMP.	-1°	-1°	-1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 28 S= 30 E= W=	N= 29 S= 31 E= W=	N= 30 S= 32 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 32	PANEL LOCATION REFERENCE NUMBER 33	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	330449-09	330451-09	
DEPLOYMENT LENGTH	50 ft	50' & 3.5m	
AMBIENT AIR TEMP.	-1°	-1°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 31 S= 33 E= W=	N= 32 S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Sept - 23 / 2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation LLDPE TEXTURED DATE: Sept 29/2010

SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT: Spreader Bar and Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 34	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH	130 ft		
AMBIENT AIR TEMP.	2°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= S= 17 E= Ex Liner W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: _____

DATE: _____

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED
DATE: Oct 7 /2010
SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: Spreader Bar Hoe Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 35	PANEL LOCATION REFERENCE NUMBER 36	PANEL LOCATION REFERENCE NUMBER 37
PANEL/ROLL NUMBER	27739-10	27739-10	27739-10
DEPLOYMENT LENGTH	120 ft	120 ft	120 ft
AMBIENT AIR TEMP.	0°	0°	-1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 36 S= 34 E= W=	N= 37 S= 35 E= W=	N= 38 S= 36 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 38	PANEL LOCATION REFERENCE NUMBER 39	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	27739-10	27334-10	
DEPLOYMENT LENGTH	120 ft	130 ft	
AMBIENT AIR TEMP.	-2°	-4	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 39 S= 37 E= W=	N= 40 S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Oct 7 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED

DATE: Oct 8/2010
SHEET NUMBER: 7

DEPLOYMENT EQUIPMENT: Spreader Bar Hoe Cat 360

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 40	PANEL LOCATION REFERENCE NUMBER 41	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	22 7334-10	22 7334-10	
DEPLOYMENT LENGTH	124 ft	122 ft	
AMBIENT AIR TEMP.	-1°	-1°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 41 S= 39 E= W=	N= 42 S= 40 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Oct 8/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED DATE: Oct 10 /2010

SHEET NUMBER: 8

DEPLOYMENT EQUIPMENT: Spreader Bar Hoe Cat 330

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 42	PANEL LOCATION REFERENCE NUMBER 43	PANEL LOCATION REFERENCE NUMBER 44
PANEL/ROLL NUMBER	227344-10	227344-10	227344-10
DEPLOYMENT LENGTH	120 ft	120 ft	120 ft
AMBIENT AIR TEMP.	0°	0°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	6"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 43 S= 41 E= W=	N= 44 S= 42 E= W=	N= 45 S= 43 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 45	PANEL LOCATION REFERENCE NUMBER 46	PANEL LOCATION REFERENCE NUMBER 47
PANEL/ROLL NUMBER	227344-10	227338-10	227338-10
DEPLOYMENT LENGTH	120 ft	120 ft	120 ft
AMBIENT AIR TEMP.	4°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 46 S= 44 E= W=	N= 47 S= 45 E= W=	N= 48 S= 46 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 48	PANEL LOCATION REFERENCE NUMBER 49	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	227338-10	227338-10	
DEPLOYMENT LENGTH	120 ft	120 ft	
AMBIENT AIR TEMP.	3°	3°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 49 S= 47 E= W=	N= 50 S= 48 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: Oct 10 /2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED DATE: Oct 12 /2010

SHEET NUMBER: 9

DEPLOYMENT EQUIPMENT: Spreader Bar 16c Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 50	PANEL LOCATION REFERENCE NUMBER 51	PANEL LOCATION REFERENCE NUMBER 52
PANEL/ROLL NUMBER	228454	228454	228454
DEPLOYMENT LENGTH	122 ft	122 ft	122 ft
AMBIENT AIR TEMP.	1°	1°	1°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 51 S= 49 E= W=	N= 52 S= 50 E= W=	N= 53 S= 51 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: Oct 12 /2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 mil Textured DATE: oct 30 / 2010

SHEET NUMBER: 10

DEPLOYMENT EQUIPMENT: Spreader bar cat 350 Hoe

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 53	PANEL LOCATION REFERENCE NUMBER 54	PANEL LOCATION REFERENCE NUMBER 55
PANEL/ROLL NUMBER	227343	227335	227335
DEPLOYMENT LENGTH	118 ft	118 ft	118 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 54 S= 52 E= W=	N= 55 S= 53 E= W=	N= 56 S= 54 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 56	PANEL LOCATION REFERENCE NUMBER 57	PANEL LOCATION REFERENCE NUMBER 58
PANEL/ROLL NUMBER	227335	227335	227456
DEPLOYMENT LENGTH	118 ft	118 ft	118 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 57 S= 55 E= W=	N= 58 S= 56 E= W=	N= 59 S= 57 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 59	PANEL LOCATION REFERENCE NUMBER 60	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	227456	227456	
DEPLOYMENT LENGTH	118 ft	118 ft	
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 60 S= 58 E= W=	N= 61 S= 59 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: oct 30 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED

DATE: Oct 31/2010
SHEET NUMBER: 11

DEPLOYMENT EQUIPMENT: Spreader bar Hoe cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 61	PANEL LOCATION REFERENCE NUMBER 62	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	2274510	2273M1	
DEPLOYMENT LENGTH	118ft	118ft	
AMBIENT AIR TEMP.	-12°	-12°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 62 S= 60 E= W=	N= 63 S= 61 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Oct 31/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-0577
PROJECT TITLE: Saddle Dam I
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of LLDPE 60Mil Textured
DATE: Nov 1/2010
SHEET NUMBER: 12
DEPLOYMENT EQUIPMENT: Spreader Bar Hoe cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 63	PANEL LOCATION REFERENCE NUMBER 64	PANEL LOCATION REFERENCE NUMBER 65
PANEL/ROLL NUMBER	227341	227341	227341
DEPLOYMENT LENGTH	120 ft	120 ft	22 ft x 5 ft
AMBIENT AIR TEMP.	-10°	-10°	-10°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 64-65 S= 62 E= W=	N= 16 S= 63-65 E= W=	N= 64 S= 65 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Nov 1/2010

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

✓ **TF - # FUSION** _____ **TX - # = EXTRUSION** _____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE ---------- STRENGTH	OUTSIDE PEEL MODE ---------- STRENGTH	SHEAR MODE ---------- STRENGTH			
TF-1	Sept 20 8:15 AM	1824	WH	-1°	55%	N/A	850°F	175/ /169/ /141 /148/ / /	/166/ /168/ 154/ /152/ /	190 / /203	P	Y.E	
TF-2	Sept 22 9:35AM	1824	WH	0°	51%	N/A	850°F	139/ /159/ /142 /135/ / /	/136/ /147/ 136/ /142/ /	/63 / /157	P	Y.E	
TF 3	Sept 22 9:50AM	1778	TM	0°	50%	N/A	460°C	137/ /142/ /140 /145/ / /	/147/ /148/ 149/ /146/ /	187 / /181	P	Y.E	
TF 4	Sept 29 9:00 AM	1824	WH	2°	55%	N/A	850°F	139/ /143/ /131 /136/ / /	/141/ /156/ 136/ /146/ /	160 / /162	P	Y.E	
TF 5	oct 7 13:50	1824	BM	-3°	50%	N/A	850°F	122/ /133/ /131 /134/ / /	122/ /139/ /136 /139/ / /	173 / /186	P	Y.E	
TF 6	oct 7 14:15	1778	T.M	-3°	55%	N/A	460°C	128/ /154/ /147 /151/ / /	158/ /145/ /143 /130/ / /	183 / /189	P	Y.E	
TF 7	oct 8 13:25	1778	Y.E	-2°	50%	N/A	460°F	141/ /137/ /130 /133/ / /	148/ /140/ /132 /138/ / /	180 / /186	P	Y.E	
TF 8	oct 8 13:30	1824	B.M	-2°	50%	N/A	850°F	155/ /151/ /156 /152/ / /	139/ /165/ /162 /158/ / /	190 / /189	P	Y.E	
TF 9	oct 10 8:00	1778	Y.E	-2°	50%	N/A	460°C	151/ /143/ /144 /163/ / /	170/ /151/ /147 /153/ / /	192 / /193	P	Y.E	
TF 10	oct 10 8:15	1824	B.M	-2°	50%	N/A	850°F	164/ /146/ /163 /148/ / /	161/ /145/ /149 /162/ / /	217 / /199	P	Y.E	
TF 11	oct 10 13:50	1824	B.M	3°	50%	N/A	850°F	149/ /140/ /169 /140/ / /	149/ /143/ /165 /158/ / /	194 / /194	P	Y.E	

SUBMITTED BY: Y.E

DATE: Oct 10 / 2010

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 2

✓ **TF - # FUSION** _____ **TX - # = EXTRUSION** _____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2010	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE ---------- STRENGTH	OUTSIDE PEEL MODE ---------- STRENGTH	SHEAR MODE ---------- STRENGTH			
TF12	oct 10 13:55	1884	BM	2°	50%		850°C	142/ 141/ 154 / 153/ / /	151/ 149/ 152 / 138/ / /	195 / / 194	P	Y.E	
TF13	oct 12 8:00	1884	BM	1°	50%		850°C	140/ 164/ 151 / 153/ / /	143/ 141/ 121 / 142/ / /	181 / / 190	P	Y.E	
TF14	oct 30 17:30	1824	Y.E	-10°	50%		850°C	143/ 144/ 147 / 156/ / /	136/ 139/ 161 / 168/ / /	202 / / 210	P	Y.E	
TF15	oct 30 17:35	1778	W.H	-10°	50%		460°C	152/ 162/ 135 / 152/ / /	144/ 134/ 143 / 139/ / /	225/ / 229	P	Y.E	
TF16	oct 31 16:20	1778	W.H	-9°	50%		460°C	176/ 182/ 178 / 185/ / /	173/ 156/ 177 / 140/ / /	229 / / 234	P	Y.E	
TF17	oct 31 15:20	1778	W.H	-9°	50%		460°C	145/ 144/ 145 / 137/ / /	131/ 121/ 133 / 138/ / /	163 / / 174	P	Y.E	
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			

LS FORM 3 LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: Y.E

DATE: _____

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

____ **TF - # FUSION** ✓ **TX - # = EXTRUSION** ____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2010	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE / STRENGTH	OUTSIDE PEEL MODE / STRENGTH	SHEAR MODE / STRENGTH			
TX 1	Sept 21 8:30 AM	02 PX	WH	0°	515 F°	505 F°	N/A	140/ /139/ /140 /139/ / /	/ / / / / / / /	143/ /138	P	Y.E	
TX 2	Sept 23 8:30 AM	02 PX	WH	0°	516 F°	505 F°	N/A	121/ /111/ /110 /120/ / /	/ / / / / / / /	140/ /141	P	Y.E	
TX 3	oct 6 13:50	21 PX	WH	2°	520 F°	525 F°	N/A	122/ /133/ /131 /134 / /	/ / / / / / / /	159/ /165	P	Y.E	
TX 4	oct 7 8:15	21 PX	WH	-3°	520 F°	525 F°	N/A	141/ /148/ /137 /147/ / /	/ / / / / / / /	141/ /160	P	Y.E	
TX 5	Oct 8 7:00	21PX	WH	0°	523 F°	520 F°	N/A	120/ /140/ /135 /130/ / /	/ / / / / / / /	160/ /159	P	Y.E	
TX 6	oct 10 14:00	21 PX	WH	5°	525 F°	520 F°	N/A	144/ /138/ /130 /141/ / /	/ / / / / / / /	162/ /167	P	Y.E	
TX 7	oct 26 8:15	21 PX	WH	-5°	525 F°	520 F°	N/A	146/ /142/ /155 /149/ / /	/ / / / / / / /	168/ /170	P	Y.E	
TX 8	oct 29 8:00	21 PX	WH	-6°	525 F°	520 F°	N/A	130/ /135/ /122 /127/ / /	/ / / / / / / /	153/ /162	P	Y.E	
TX 9	Oct 30 7:30	21 PX	WH	-12°	525 F°	520 F°	N/A	160/ /163/ /149 /137/ / /	/ / / / / / / /	187/ /182	P	Y.E	
TX 10	oct 31 11:30	21 PX	WH	-9°	525 F°	520 F°	N/A	140/ /142/ /162 /146/ / /	/ / / / / / / /	151/ /177	P	Y.E	
TX 11	Nov 1 14:20	21 PX	WH	-9°	525 F°	520 F°	N/A	141/ /137/ /152 /149/ / /	/ / / / / / / /	159/ /160	P	Y.E	

SUBMITTED BY: Y.E

DATE: Nov 1/2020

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 2

____ **TF - # FUSION** ✓ **TX - # = EXTRUSION** ____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2010	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE ---------- STRENGTH	OUTSIDE PEEL MODE ---------- STRENGTH	SHEAR MODE ---------- STRENGTH			
TX12	Nov 2 8:00am	PX21	W.H	-11°	525°F	520°F	N/A	151 / 142 / 153 / 150 / /	/ / / / / / / /	183 / 177	P	Y.E	
TX13	Nov 2 13:00	PX21	W.H	-10°	525°F	520°F	N/A	148 / 138 / 152 / 130 / /	/ / / / / / / /	173 / 186	P	Y.E	
TX14	Nov 5 7:30	PX21	W.H	-10°	525°F	520°F	N/A	179 / 193 / 182 / 191 / /	/ / / / / / / /	200 / 199	P	Y.E	
TX15	Nov 5 13:30	PX21	W.H	-10°	525°F	520°F	N/A	158 / 140 / 156 / 148 / /	/ / / / / / / /	182 / 192	P	Y.E	
TX16	Nov 6 7:30	PX21	Y.E	-2°	525°F	520°F	N/A	130 / 119 / 120 / 127 / /	/ / / / / / / /	164 / 152	P	Y.E	
TX17	Nov 6 15:00	PX21	Y.E	-1°	525°F	520°F	N/A	110 / 115 / 116 / 124 / /	/ / / / / / / /	175 / 179	P	Y.E	
TX18	Nov 7 7:30	PX21	Y.E	-15°	525°F	520°F	N/A	120 / 132 / 119 / 125 / /	/ / / / / / / /	172 / 180	P	Y.E	
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			

SUBMITTED BY: Y.E

DATE: NOV / 8/2010

LAYFIELD

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Meadow Bank - Saddle Dam 2
PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: Bedding for LLDPE/geotextile placement was acceptable with only minor fixing ~~done~~ to be done by hand.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: Sept 23 / 2010
Signature: [signature]
Name: Yonatan Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: Sept 23 / 2010
Signature: [signature]
Name: G. BLANCHETTE
Title: DIKE SUPERINTENDENT
Company: AEM

LAYFIELD

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Meadow Bank project - Saddle Dam 2
PROJECT NUMBER: 10C-057 **DATE:** Nov 8/2010
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

SCOPE OF INSTALLATION(S): THE WORK
Installation of LLDPE 60 MIL Textured completed on the second lift and all the QC Testing is completed. *

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Yonatan Espindola, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the installations (as outlined above), and have found the Work to be complete and free of defects and declare that the Work was completed in accordance with the project specifications, Layfield Environmental Systems' QC program and the terms and conditions of the contract.

Layfield Environmental Systems Representative:
Name: Yonatan Espindola
Title: Supervisor
Date: Nov 8/2010 Signature:

Part 2 – OWNER (or Representative)

I, GRANT BURNS, a duly appointed representative of GOLDER ASSOCIATES LTD., do hereby take over and accept the installation(s) described above, and confirm that the work has been completed in accordance with the project specifications and the terms of the conditions of the contract.

I have evaluated and measured the work together with the Layfield Environmental Systems representative, and agree that the measurements shown are both true and correct, and that the installation has met our approval.

Owners Representative:
Name: GRANT BURNS.
Title: GEOTECHNICAL ENGINEER
Company: GOLDER ASSOCIATES
Date: NOV 9, 2010 Signature:

Comments: * THE INVERT FILTER ON U/S SLOPE OF SECOND LIFT (IE ELEV 146 to 150m) HAS NOT BEEN COMPLETED. AS SUCH LLPDE LINER HAS BEEN PLACED ONLY PARTIAL ON U/S FACE ON 2ND LIFT (IE PANELS 68 to 77) OR (20+485 to 20+558)

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Meadow Bank project Saddle Dam 2
PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: Second 1.ft of Saddle Dam 2

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: oct 22 /2010
Signature:
Name: Yonatan Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: NOVEMBER 9th, 2010
Signature:
Name: GILSTON BLANCHETTE
Title: DIKE SUPERINTENDENT
Company: AEM

LAYFIELD

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Meadow Bank Project, Saddle Dam 1 Part A
PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut, Baker Lake

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: North abutment of saddle dam 1 Part A. Slope only needed slight preparation after inspection before placing LLDPE and Geotextile. Only slope is needed to be smooth. Till area not necessary to be perfect as it is sealed on both sides.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: Sept 20 / 2010
Signature:
Name: Yonatan Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: Sept 20 / 2010
Signature:
Name: DIKE SUPERINTENDENT
Title: GASTON BLANCHETTE
Company: BEM.

LAYFIELD

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Meadow Bank Project Saddle Dam 1 Part B
PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: South part of saddle Dam 1 Part B it is ready for placing liner LLDPE and Geotextile. Only slope needed to be prepared for sign-off. Till area is sealed on both sides.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: Sept 22 / 2010
Signature:
Name: Yonatan Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: Sept 22 / 2010
Signature:
Name: G. BLANCHETTE
Title: DIKE SUPERINTENDENT
Company: AEM

LAYFIELD

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Meadow Bank - Saddle Dam 1
PROJECT NUMBER: 10C-057 **DATE:** Nov 8/2010
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

SCOPE OF INSTALLATION(S): THE WORK
Installation of LLDPE 60 Mic Textured completed from panel 1 to 65 and all the testing except for destructive test (5, 6, 7, 8, 9 and 12) Because run out welding rod and weather conditions

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Yonatan Espindola, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the installations (as outlined above), and have found the Work to be complete and free of defects and declare that the Work was completed in accordance with the project specifications, Layfield Environmental Systems' QC program and the terms and conditions of the contract.

Layfield Environmental Systems Representative:
Name: Yonatan Espindola
Title: Supervisor
Date: Nov 8/2010 Signature:

Part 2 – OWNER (or Representative)

I, GRANT BURNS, a duly appointed representative of Golder Associates, do hereby take over and accept the installation(s) described above, and confirm that the work has been completed in accordance with the project specifications and the terms of the conditions of the contract.

I have evaluated and measured the work together with the Layfield Environmental Systems representative, and agree that the measurements shown are both true and correct, and that the installation has met our approval.

Owners Representative:
Name: GRANT BURNS
Title: GEOTECHNICAL ENGINEER
Company: GOLDER ASSOCIATES
Date: Nov 9, 2010 Signature:

Comments:

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS # 1
TEST DATE: Sept 26 /2010
SEAM NUMBER: S-4/5
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 7' from WEOS
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: 23 /09 /2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	204	SE1	2	189	SE1	153	SE1
3	203	SE1	4	177	SE1	155	SE1
5	198	SE1	6	186	SE1	157	SE1
7	200	SE1	8	175	SE1	156	SE1
9	208	SE1	10	183	SE1	158	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ✓ FAIL _____

NOTES: _____

CHECKED BY: Y.E
DATE: Sept 26 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 1
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 11

DESTRUCTIVE TEST NUMBER*: DS # 11
SEAM NUMBER: S 58 - 59
SAMPLE LOCATION: 1 WEDS
DATE SEAMED / SAMPLED: OCT 13 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Nov 1 / 2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	187	SE1	2	131	SE1	147	SE1
3	185	SE1	4	148	SE1	140	SE1
5	179	SE 1	6	122	SE1	131	SE1
7	190	SE 1	8	140	SE1	147	SE1
9	196	SE 1	10	157	SE1	150	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS ✓ FAIL _____

CHECKED BY: Y. E

DATE: _____

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 1
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 10

DESTRUCTIVE TEST NUMBER*: DS # 10
SEAM NUMBER: S-54 - 55
SAMPLE LOCATION: WEDS
DATE SEAMED / SAMPLED: OCT / 31 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Nov / 1 / 2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	170	SE1	2	144	SE1	138	SE1
3	175	SE1	4	149	SE1	140	SE1
5	176	SE 1	6	160	SE1	131	SE1
7	174	SE 1	8	126	SE1	136	SE1
9	175	SE 1	10	130	SE1	142	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS ✓ FAIL _____

CHECKED BY: Y. E

DATE: _____

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS # 2
SEAM NUMBER: S 12-13
SAMPLE LOCATION: 33' from WEOS
DATE SEAMED / SAMPLED: 23 / 09 /210
TYPE OF SEAM: Fusion

TEST DATE: Sept 26 /2010
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	216	SE1	2	146	SE1	176	SE1
3	206	SE1	4	170	SE1	153	SE1
5	231	SE1	6	179	SE1	166	SE1
7	215	SE1	8	167	SE1	166	SE1
9	180	SE1	10	178	SE1	169	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y.E
DATE: Sept 26 /2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 3

DESTRUCTIVE TEST NUMBER*: DS # 3
SEAM NUMBER: S17 - 18
SAMPLE LOCATION: 9' from WE05
DATE SEAMED / SAMPLED: 25 / 09 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Sept 26 / 2010
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	176	SE1	2	185	SE1	146	SE1
3	173	SE1	4	176	SE1	157	SE1
5	195	SE1	6	178	SE1	145	SE1
7	188	SE1	8	167	SE1	133	SE1
9	195	SE1	10	148	SE1	148	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y. E
DATE: Sept 26 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 4

DESTRUCTIVE TEST NUMBER*: DS # 4
SEAM NUMBER: Seam 23 - 24
SAMPLE LOCATION: 22' from WE05
DATE SEAMED / SAMPLED: 25 / 09 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Sept 26 / 2010
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	205	SE1	2	162	SE1	145	SE1
3	211	SE1	4	187	SE1	154	SE1
5	207	SE1	6	162	SE1	151	SE1
7	203	SE1	8	185	SE1	157	SE1
9	200	SE1	10	152	SE1	192	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y. E

DATE: Sept 26 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-067
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 5

DESTRUCTIVE TEST NUMBER*: DS # 5
TEST DATE: Sept 26 /2010
SEAM NUMBER: SS27 -28
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 9' from WEDS
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: 25 / 09 /2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: FUSION
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	185	SE1	2	138	SE1	126	SE1
3	162	SE1	4	155	SE1	144	SE1
5	195	SE1	6	152	SE1	147	SE1
7	170	SE1	8	168	SE1	142	SE1
9	192	SE1	10	158	SE1	143	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y. E

DATE: Sept 26 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 6

DESTRUCTIVE TEST NUMBER*: DS #6
SEAM NUMBER: 533-34
SAMPLE LOCATION: 31' from WEOS
DATE SEAMED / SAMPLED: 25/09/2010
TYPE OF SEAM: Fusion

TEST DATE: Sept 26/2010
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	194	SE1	2	152	SE1	154	SE1
3	197	SE1	4	175	SE1	137	SE1
5	163	SE1	6	170	SE1	147	SE1
7	203	SE1	8	186	SE1	142	SE1
9	195	SE1	10	179	SE1	142	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y.E
DATE: Sept 26/2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 7

DESTRUCTIVE TEST NUMBER*: DS-7
TEST DATE: 27/09/2010
SEAM NUMBER: S39-40
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
SAMPLE LOCATION: 34' from WEDS
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE SEAMED / SAMPLED: 27/09/2010
DATE FORWARDED TO LAB ____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1			2				
3			4				
5			6				
7			8				
9			10				
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ____ FAIL ____

NOTES: ____

CHECKED BY: Y.E

DATE: Oct 5/2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C 057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 8

DESTRUCTIVE TEST NUMBER*: DS 8
TEST DATE: 27/09/2010
SEAM NUMBER: S43 - 44
ARCHIVE ____ **LAYFIELD** ✓ **OWNER** ____ **ENGINEER**
SAMPLE LOCATION: 8' from WEOS
3RD PARTY ____ **YES** ____ **NO** ____ **WHO?**
DATE SEAMED / SAMPLED: 27/09/2010
DATE FORWARDED TO LAB ____
TYPE OF SEAM: FUSION
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1			2				
3			4				
5			6				
7			8				
9			10				
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y.E

DATE: OCT 5/2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10c - 057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 9

DESTRUCTIVE TEST NUMBER*: DS 9
SEAM NUMBER: 548 - 49
SAMPLE LOCATION: 23' from WEOS
DATE SEAMED / SAMPLED: Oct 5 /2010
TYPE OF SEAM: Fusion

TEST DATE: Oct 5 /2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	200	SE1	2	146	SE1	185	SE1
3	197	SE1	4	139	SE1	165	SE1
5	208	SE1	6	148	SE1	143	SE1
7	209	SE1	8	142	SE1	148	SE1
9	206	SE1	10	146	SE1	147	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: Oct 5 2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 10

DESTRUCTIVE TEST NUMBER*: DS10
SEAM NUMBER: SS7 - 53
SAMPLE LOCATION: 23' from WE05
DATE SEAMED / SAMPLED: Oct 5 /2010
TYPE OF SEAM: Fusion

TEST DATE: Oct 5 /2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	160	SE1	2	129	SE1	142	SE1
3	190	SE1	4	148	SE1	140	SE1
5	177	SE1	6	139	SE1	123	SE1
7	173	SE1	8	136	SE1	125	SE1
9	203	SE1	10	132	SE1	142	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.C

DATE: Oct 5 /2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 11

DESTRUCTIVE TEST NUMBER*: DS 11
SEAM NUMBER: 556-57
SAMPLE LOCATION: 22' from WEOS
DATE SEAMED / SAMPLED: Oct 5/2010
TYPE OF SEAM: Fusion

TEST DATE: Oct 5/2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	205	SE1	2	141	SE1	138	SE1
3	207	SE1	4	153	SE1	141	SE1
5	206	SE1	6	154	SE1	138	SE1
7	208	SE1	8	138	SE1	141	SE1
9	207	SE1	10	167	SE1	143	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: Oct 5/2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 12

DESTRUCTIVE TEST NUMBER*: DS 12
SEAM NUMBER: S60 - 61
SAMPLE LOCATION: 24' from WEOS
DATE SEAMED / SAMPLED: Oct 5 /2010
TYPE OF SEAM: FUSION

TEST DATE: Oct 6 /2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	189	SE1	2	161	SE1	136	SE1
3	198	SE1	4	147	SE1	136	SE1
5	200	SE1	6	157	SE1	143	SE1
7	202	SE1	8	164	SE1	163	SE1
9	195	SE1	10	166	SE1	159	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: Oct 6 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS-1
TEST DATE: Sept 21 2010
SEAM NUMBER: S 8 / 9
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: _____
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: September 21 / 2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	183	SE1	2	133	SE1	137	SE1
3	191	SE1	4	150	SE1	136	SE1
5	201	SE1	6	151	SE1	143	SE1
7	190	SE1	8	144	SE1	138	SE1
9	192	SE1	10	146	SE1	120	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y. E

DATE: Sept 21/2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 4
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS # 2
SEAM NUMBER: S 13 / 14
SAMPLE LOCATION:
DATE SEAMED / SAMPLED: Sept 21 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Sept 21 / 2010
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	173	SE1	2	143	SE1	120	SE1
3	184	SE1	4	150	SE1	147	SE1
5	184	SE1	6	147	SE1	163	SE1
7	185	SE1	8	150	SE1	143	SE1
9	182	SE1	10	86	SE1	152	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y. E
DATE: Sept 21 / 2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 3

DESTRUCTIVE TEST NUMBER*: DS # 3
TEST DATE: Sept 23 /2010
SEAM NUMBER: S 21 - 22
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: Sept 23 /2010
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: _____
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	155	SE1	2	119	SE1	108	SE1
3	146	SE1	4	150	SE1	127	SE1
5	156	SE1	6	148	SE1	123	SE1
7	164	SE1	8	168	SE1	137	SE1
9	171	SE1	10	141	SE1	119	SE1
11			12				SE1

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y.E
DATE: Sept 23 /2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 1
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 4

DESTRUCTIVE TEST NUMBER*: DS # 4
SEAM NUMBER: S27-28
SAMPLE LOCATION:
DATE SEAMED / SAMPLED: Sept 23 /2010
TYPE OF SEAM: Fusion

TEST DATE: Sept 23 /2010
ARCHIVE _____ LAYFIELD _____ OWNER _____ ENGINEER
3RD PARTY _____ YES _____ NO _____ WHO?
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	150	SE1	2	161	SE1	136	SE1
3	173	SE1	4	138	SE1	143	SE1
5	159	SE1	6	170	SE1	137	SE1
7	154	SE1	8	154	SE1	123	SE1
9	150	SE1	10	140	SE1	137	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS _____ FAIL _____

3RD PARTY / LAB: PASS ✓ FAIL _____

CHECKED BY: Y.E
DATE: Sept 23 /2010

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS #
SEAM NUMBER: S
SAMPLE LOCATION: 1 WEOS
DATE SEAMED / SAMPLED: 23 / 09 / 2010
TYPE OF SEAM: FUSION

TEST DATE: / /2010
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ____ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1		SE1	2		SE1		SE1
3		SE1	4		SE1		SE1
5		SE1	6		SE1		SE1
7		SE1	8		SE1		SE1
9		SE1	10		SE1		SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ✓ FAIL ____

NOTES: ____

CHECKED BY: Y. E
DATE: ____

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS # 1
TEST DATE: /2010
SEAM NUMBER: S
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 1 WEOS
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: 23 /09 /2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1		SE1	2		SE1		SE1
3		SE1	4		SE1		SE1
5		SE1	6		SE1		SE1
7		SE1	8		SE1		SE1
9		SE1	10		SE1		SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ✓ FAIL _____

NOTES: _____

CHECKED BY: Y. E

DATE: _____

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
SHEET NUMBER: 13

DESTRUCTIVE TEST NUMBER*: DS 13
TEST DATE: Oct 6/2010
SEAM NUMBER: S66-67
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
SAMPLE LOCATION: 27' from WEOS
3RD PARTY _____ **YES** _____ **NO** _____ **WHO?**
DATE SEAMED / SAMPLED: Oct 6 2010
DATE FORWARDED TO LAB _____
TYPE OF SEAM: Fusion
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	163	SE1	2	125	SE1	122	SE1
3	186	SE1	4	121	SE1	117	SE1
5	167	SE1	6	152	SE1	121	SE1
7	183	SE1	8	152	SE1	155	SE1
9	186	SE1	10	139	SE1	127	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: V.E
DATE: Oct 6 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 10C - 057
OWNER: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 14

DESTRUCTIVE TEST NUMBER*: DS-14
SEAM NUMBER: S76 - 77
SAMPLE LOCATION: WEOS
DATE SEAMED / SAMPLED: Oct 25 / 2010
TYPE OF SEAM: Fusion

TEST DATE: Nov 1 / 2010
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ____ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	188	SE1	2	154	SE1	146	SE1
3	167	SE1	4	146	SE1	139	SE1
5	182	SE1	6	153	SE1	156	SE1
7	190	SE1	8	159	SE1	157	SE1
9	198	SE1	10	145	SE1	151	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ____ FAIL ____

NOTES: ____

CHECKED BY: Y.E
DATE: Nov 2 / 2010

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Oct 6 / 2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 1

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	2010 TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
	-							1A	Oct 5	BM		Y.E	
	-							1B	Oct 5	BM		Y.E	
	-							1C	Oct 5	BM		Y.E	
	-							1D	Oct 5	BM		Y.E	
	-							1E	Oct 5	BM		Y.E	
	-							1F	Oct 5	BM		Y.E	
	-							1G	Oct 5	BM		Y.E	
	-							1H	Oct 5	BM		Y.E	
	-							1I	Oct 5	BM		Y.E	
	-							1J	Oct 5	BM		Y.E	
	-							1K	Oct 5	BM		Y.E	
	-							1L	Oct 5	BM		Y.E	
	-							1M	Oct 5	BM		Y.E	
	-							1N	Oct 5	BM		Y.E	
	-							1O	Oct 5	BM		Y.E	
	-							1P	Oct 5	BM		Y.E	
	-							1Q	Oct 5	BM		Y.E	
	-							1R	Oct 5	BM		Y.E	
	-							1S	Oct 5	BM		Y.E	
	-												

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: Nov 2 / 2010

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mins

LOCATION: Nunavut Baker Lake **DATE:** oct 25 / 2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** _____

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	2010 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
Tie-in	SEOS - NEOS	25/10	TM		✓	Y.E	second lift						
	-												
	-												
	-												
	-												
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: oct 25 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mine

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

DEFECT CODE	LOG DATE 2010	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DEFECT LOCATION DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
1A	02/11	S 4-5	7' from WEOS	DS-1	P GW	W H	23/09		OCT 5	Y.E
1B	02/11	S 12-13	33' from WEOS	DS-2	P GW	W H	23/09		OCT 5	Y.E
1C	02/11	S 17-18	9' from WEOS	DS-3	P GW	W H	25/09		OCT 5	Y.E
1D	02/11	S 23-24	22' from WEOS	DS-4	P GW	W H	25/09		OCT 5	Y.E
1E	02/11	S 27-28	9' from WEOS	DS-5	P GW	W H	25/09		OCT 5	Y.E
1F	02/11	S 27-28-29	81' from WEOS	T	GW	W H	25/09		OCT 5	Y.E
1G	02/11	S 28-29-30	81' from WEOS	T	GW	W H	25/09		OCT 5	Y.E
1H	02/11	S 33-34	31' from WEOS	DS-6	P GW	W H	25/09		OCT 5	Y.E
1I	02/11	S 39-40	34' from WEOS	DS-7	P GW	W H	27/09		OCT 5	Y.E
1J	02/11	S 41-42	77' from WEOS	BO	P GW	W H	27/09		OCT 5	Y.E
1K	02/11	S 43-44	8' from WEOS	DS-8	P GW	W H	27/09		OCT 5	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX 1	8:10	W.H
TX 2	13:30	W.H
TX 3	15:50	W.H

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: NOV 2 / 2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C - 087 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 2

DEFECT CODE	LOG DATE 2010	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DEFECT LOCATION DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE 2010	REMARKS **	TEST DATE 2010	CHECKED BY
1L	02/11	S48-49	23' from WEOS	DS-9	P GW	Y.E	03/10		OCT 5	Y.E
1M	02/11	S48-49	74' from WEOS	BO	P GW	Y.E	03/10		OCT 5	Y.E
1N	02/11	S49-50	84' from WEOS	BO	P GW	Y.E	03/10		OCT 5	Y.E
1O	02/11	S52-53	23' from WEOS	DS-10	P GW	Y.E	03/10		OCT 5	Y.E
1P	02/11	S56-57	22' from WEOS	DS-11	P GW	Y.E	03/10		OCT 5	Y.E
1Q	02/11	S60-61	24' from WEOS	DS-12	P GW	Y.E	03/10		OCT 5	Y.E
1R	02/11	S66-67	27' from WEOS	DS-13	P GW	Y.E	03/10		OCT 5	Y.E
1S	02/11	S37-38	30' from EEOS	BO	P GW	W.H	27/09		OCT 5	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX 4	13:00	Y.E
TX 6	12:00	Y.E

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: Nov 2 / 2010

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C 057 **PROJECT TITLE:** Saddle Dam #2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 23 / 2010

SHEET NUMBER: 1

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
1 / 2	WEOS - EEOS	T.M	45 : 44	19:14 : 19:19	P	- ✓	Y.E	
2 / 3	WEOS - EEOS	T.M	45 : 45	19:15 : 19:20	P	- ✓	Y.E	
3 / 4	WEOS - EEOS	T.M	45 : 44	19:22 : 19:27	P	- ✓	Y.E	
4 / 5	WEOS - EEOS	T.M	45 : 45	19:23 : 19:28	P	- ✓	Y.E	
5 / 6	WEOS - EEOS	T.M	45 : 45	19:24 : 19:29	P	- ✓	Y.E	
6 / 7	WEOS - EEOS	T.M	46 : 45	19:30 : 19:35	P	- ✓	Y.E	
7 / 8	WEOS - EEOS	T.M	45 : 43	19:37 : 19:42	P	- ✓	Y.E	
8 / 9	WEOS - EEOS	T.M	45 : 44	19:42 : 19:47	P	- ✓	Y.E	
9 / 10	WEOS - EEOS	T.M	45 : 45	19:43 : 19:48	P	- ✓	Y.E	
10 / 11	WEOS - EEOS	T.M	45 : 44	19:45 : 19:50	P	- ✓	Y.E	
11 / 12	WEOS - EEOS	T.M	45 : 45	19:55 : 20:00	P	- ✓	Y.E	
12 / 13	WEOS - EEOS	T.M	45 : 45	19:58 : 20:03	P	- ✓	Y.E	
13 / 14	WEOS - EEOS	T.M	45 : 45	20:12 : 20:17	P	- ✓	Y.E	
14 / 15	WEOS - EEOS	T.M	45 : 45	20:13 : 20:18	P	- ✓	Y.E	
15 / 16	WEOS - EEOS	T.M	45 : 45	20:15 : 20:20	P	- ✓	Y.E	
/	-		:	:		-		
/	-		:	:		-		

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 24 / 2010

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 24 /2010

SHEET NUMBER: 2

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
16 / 17	WEOS	- EEOS	T.M	45	: 44	9:22	: 9:27	P	-	✓	Y.E	
17 / 18	WEOS	- EEOS	T.M	45	: 45	9:23	: 9:28	P	-	✓	Y.E	
18 / 19	WEOS	- EEOS	T.M	45	: 43	9:24	: 9:29	P	-	✓	Y.E	
19 / 20	WEOS	- EEOS	T.M	45	: 44	9:25	: 9:30	P	-	✓	Y.E	
20 / 21	WEOS	- EEOS	T.M	45	: 45	9:37	: 9:42	P	-	✓	Y.E	
21 / 22	WEOS	- EEOS	T.M	45	: 45	9:38	: 9:43	P	-	✓	Y.E	
22 / 23	WEOS	- EEOS	T.M	45	: 44	9:39	: 9:44	P	-	✓	Y.E	
23 / 24	WEOS	- EEOS	T.M	45	: 44	9:40	: 9:45	P	-	✓	Y.E	
24 / 25	WEOS	- EEOS	T.M	45	: 44	9:50	: 9:55	P	-	✓	Y.E	
25 / 26	WEOS	- EEOS	TM	45	: 45	9:51	: 9:56	P	-	✓	Y.E	
26 / 27	WEOS	- EEOS	T.M	45	: 45	9:53	: 9:58	P	-	✓	Y.E	
27 / 28	EEOS	- WEOS	W.H	45	: 45	16:13	: 16:18	P	-	✓	Y.E	Sept 27 - 2010
27 / 29	WEOS	- EEOS	W.H	45	: 44	16:13	: 16:18	P	-	✓	Y.E	Sept 27 - 2010
28 / 29	NEOS	- SEOS	W.H	45	: 43	16:08	: 16:13	P	-	✓	Y.E	Sept 27 - 2010
28 / 30	EEOS	- WEOS	W.H	45	: 45	16:30	: 16:35	P	-	✓	Y.E	Sept 27 - 2010
29 / 30	WEOS	- EEOS	W.H	45	: 45	16:08	: 16:13	P	-	✓	Y.E	Sept 27 - 2010
30 / 31	WEOS	- EEOS	T.M	45	: 45	10:16	: 10:21	P	-	✓	Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 24 /2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 24 / 2010

SHEET NUMBER: 3

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
31 / 32	WEOS	EEOS	T.M	45	45	10:17	10:22	P	-	✓	Y.E	
32 / 33	WEOS	EEOS	T.M	45	45	10:18	10:23	P	-	✓	Y.E	
33 / 34	WEOS	EEOS	T.M	45	44	10:38	10:43	P	-	✓	Y.E	
34 / 35	WEOS	EEOS	T.M	45	43	10:39	10:44	P	-	✓	Y.E	
35 / 36	WEOS	EEOS	T.M	45	45	10:40	10:45	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 24 / 2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 27/2010

SHEET NUMBER: 4

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
36 / 37	WEOS	- EEOS	W.H	45	: 45	18:14	: 18:19	P	-	✓	Y.E	
37 / 38	WEOS	- EEOS	W.H	45	: 43	18:14	: 18:19	P	-	✓	Y.E	
37 / 38	EEOS	- WEOS	W.H	45	: 45	18:17	: 18:22	P	-	✓	Y.E	
38 / 39	WEOS	- EEOS	W.H	45	: 44	18:13	: 18:18	P	-	✓	Y.E	
39 / 40	WEOS	- EEOS	W.H	45	: 43	18:03	: 18:08	P	-	✓	Y.E	
40 / 41	WEOS	- EEOS	W.H	45	: 45	18:03	: 18:08	P	-	✓	Y.E	
41 / 42	WEOS	- EEOS	W.H	45	: 45	18:03	: 18:08	P	-	✓	Y.E	
41 / 42	EEOS	- WEOS	W.H	45	: 43	18:05	: 18:10	P	-	✓	Y.E	
42 / 43	WEOS	- EEOS	W.H	45	: 44	17:57	: 18:02	P	-	✓	Y.E	
43 / 44	WEOS	- EEOS	W.H	45	: 45	17:56	: 18:01	P	-	✓	Y.E	
44 / 45	WEOS	- EEOS	W.H	45	: 45	17:55	: 18:00	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 27/2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 30/2010

SHEET NUMBER: 5

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
45 / 46	EEOS	WEOS	TM	45 :	45	8:36 :	8:41	P	-	✓	Y. E	
46 / 47	EEOS	WEOS	TM	45 :	45	9:20 :	9:25	P	-	✓	Y. E	
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/	-			:		:			-			
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 30/2010

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10c - 057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Oct 3 /2010

SHEET NUMBER: 6

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
47 / 48	WEOS - EEOS	TM	45 : 45	14.08 : 14:13	P	- ✓	Y.E	
48 / 49	WEOS - EEOS	TM	45 : 45	14:09 : 14:14	P	- ✓	Y.E	
49 / 50	WEOS - EEOS	TM	45 : 45	14:10 : 14:15	P	- ✓	Y.E	
50 / 51	WEOS - EEOS	TM	45 : 45	14.11 : 14:16	P	- ✓	Y.E	
51 / 52	WEOS - EEOS	TM	45 : 45	14:23 : 14.28	P	- ✓	Y.E	
52 / 53	WEOS - EEOS	TM	45 : 45	14:24 : 14:29	P	- ✓	Y.E	
53 / 54	WEOS - EEOS	TM	45 : 45	14:25 : 14:30	P	- ✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Oct 4 /2010

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Oct 5/2010

SHEET NUMBER: 7

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
54 / 55	WEOS	- EEOS	W.H	45	: 45	11:18	: 11:23	P	-	✓	Y.E	
55 / 56	WEOS	- EEOS	W.H	45	: 44	11:15	: 11:20	P	-	✓	Y.E	
56 / 57	WEOS	- EEOS	W.H	45	: 45	11:16	: 11:21	P	-	✓	Y.E	
57 / 58	WEOS	- EEOS	W.H	44	: 43	11:17	: 11:22	P	-	✓	Y.E	
58 / 59	WEOS	- EEOS	W.H	45	: 45	11:30	: 11:35	P	-	✓	Y.E	
59 / 60	WEOS	- EEOS	W.H	45	: 43	11:31	: 11:36	P	-	✓	Y.E	
60 / 61	WEOS	- EEOS	W.H	45	: 44	11:32	: 11:37	P	-	✓	Y.E	
61 / 62	WEOS	- EEOS	W.H	45	: 45	16:35	: 16:40	P	-	✓	Y.E	
62 / 63	WEOS	- EEOS	W.H	46	: 44	16:50	: 16:55	P	-	✓	Y.E	
63 / 64	WEOS	- EEOS	W.H	45	: 45	16:46	: 16:51	P	-	✓	Y.E	
64 / 65	WEOS	- EEOS	W.H	45	: 45	16:36	: 16:41	P	-	✓	Y.E	
65 / 66	WEOS	- EEOS	W.H	45	: 45	17:02	: 17:07	P	-	✓	Y.E	
66 / 67	WEOS	- EEOS	W.H	45	: 45	16:45	: 16:50	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Oct 5/2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Oct 25 / 2010

SHEET NUMBER: 8

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
68 / 69	EEOS -	WEOS	W.H	45 :	45	17:32 :	17:37	P	-	✓	Y.E	
69 / 70	EEOS -	WEOS	W.H	47 :	47	17:30 :	17:35	P	-	✓	Y.E	
70 / 71	EEOS -	WEOS	W.H	46 :	44	17:33 :	17:38	P	-	✓	Y.E	
71 / 72	EEOS -	WEOS	W.H	47 :	47	17:34 :	17:39	P	-	✓	Y.E	
72 / 73	EEOS -	WEOS	W.H	45 :	45	17:48 :	17:53	P	-	✓	Y.E	
73 / 74	EEOS -	WEOS	W.H	50 :	50	17:49 :	17:54	P	-	✓	Y.E	
74 / 75	EEOS -	WEOS	W.H	48 :	47	17:50 :	17:55	P	-	✓	Y.E	
75 / 76	EEOS -	WEOS	W.H	44 :	43	17:50 :	17:55	P	-	✓	Y.E	
76 / 77	EEOS -	WEOS	W.H	45 :	45	18:00 :	18:05	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Oct 25 / 2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF1	14:55	W.H
TF2	15:30	T.M

SHEET NUMBER: 1

DATE: Sept 23 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
1	2	EEOS	-WEOS	15:10	4°	W.H	55%	850F	-	57 ft		Y.E				
2	3	EEOS	-WEOS	15:19	4°	W.H	55%	850F	-	56 ft		Y.E				
3	4	EEOS	-WEOS	15:30	4°	W.H	55%	850F	-	62 ft		Y.E				
4	5	EEOS	-WEOS	15:42	4°	W.H	55%	850F	-	62 ft	DS-1	Y.E				
5	6	EEOS	-WEOS	15:53	4°	T.M	52%	460C	-	64 ft		Y.E				
6	7	EEOS	-WEOS	15:56	4°	W.H	55%	850F	-	64 ft		Y.E				
7	8	EEOS	-WEOS	16:07	4°	W.H	52%	850F	-	64 ft		Y.E				
8	9	EEOS	-WEOS	16:14	4°	T.M	55%	460C	-	64 ft		Y.E				
9	10	EEOS	-WEOS	16:25	3°	W.H	52%	850F	-	64 ft		Y.E				
10	11	EEOS	-WEOS	16:35	3°	T.M	52%	460C	-	64 ft		Y.E				
11	12	EEOS	-WEOS	16:43	3°	W.H	55%	850F	-	68 ft		Y.E				
									DAILY TOTAL							

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 24 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-037 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF1	14:55	W.H
TF2	15:30	T.M

SHEET NUMBER: 2

DATE: Sept 23 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
12 / 13	EEOS	WEOS	17:00	1°	W.H	55%	850F	-	70 ft	DS# 2	Y.E			
13 / 14	EEOS	WEOS	17:21	1°	W.H	55%	850F	-	71 ft		Y.E			
14 / 15	EEOS	WEOS	17:40	1°	W.H	55%	850F	-	72 ft		Y.E			
15 / 16	EEOS	WEOS	17:58	0°	W.H	55%	850F	-	74 ft		Y.E			
/	-						-	-						
/	-						-	-						
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/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 24 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 3	10:30	W.H
TF 4	11:10	T.M
TF 5	13:30	W.M
TF 6	17:20	T.M

SHEET NUMBER: 3

DATE: Sept 24 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
16 / 17	EEOS	-WEOS	10:44	-1°	WH	55%	850°F	-	79 ft		Y.E			
17 / 18	EEOS	-WEOS	10:58	-1°	WH	55%	850 F°	-	85 ft	DS#3	Y.E			
18 / 19	EEOS	-WEOS	11:11	-1°	WH	55%	850 F°	-	88 ft		Y.E			
19 / 20	EEOS	-WEOS	11:24	-1°	TM	52%	460 °C	-	90 ft		Y.E			
20 / 21	EEOS	-WEOS	11:28	-1°	WH	55%	850 F°	-	91 ft		Y.E			
21 / 22	EEOS	-WEOS	11:40	0°	WH	55%	850 F°	-	94 ft		Y.E			
22 / 23	EEOS	-WEOS	11:43	0°	TM	50%	850 F°	-	97 ft		Y.E			
23 / 24	EEOS	-WEOS	11:55	0°	WH	55%	850 F°	-	97 ft	DS 4	Y.E			
24 / 25	EEOS	-WEOS	14:03	0°	WH	55%	850 F°	-	97 ft		Y.E			
25 / 26	EEOS	-WEOS	14:23	0°	WH	55%	850 F°	-	106 ft		Y.E			
26 / 27	EEOS	-WEOS	14:49	0°	WH	55%	850 F°	-	110 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y. E

DATE: Sept 26 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 3	10:30	W.H
TF 4	11:10	T.M
TF 5	13:45	W.H
TF 6	17:20	T.M

SHEET NUMBER: 4

DATE: Sept 24/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
28/29	SEOS	-WEOS	14:45	-1°	WH	55%	850°F	-	ft		Y.E			
27/28/29	EEOS	-WEOS	15:08	-1°	WH	55%	850°F	-	110 ft	DS 5	Y.E			
30/28/29	EEOS	-WEOS	15:32	-1°	WH	55%	850°F	-	106 ft		Y.E			
30/31	EEOS	-WEOS	16:37	-1°	WH	55%	850 F	-	106 ft		Y.E			
31/32	EEOS	-WEOS	16:50	-1°	WH	55%	850 F	-	106 ft		Y.E			
32/33	EEOS	-WEOS	17:08	-2°	WH	55%	850 F	-	106 ft		Y.E			
33/34	EEOS	-WEOS	17:28	-2°	T.M	55%	460°C	-	109 ft	DS 6	Y.E			
34/35	EEOS	-WEOS	17:30	-2°	WH	55%	850 F	-	109 ft		Y.E			
35/36	EEOS	-WEOS	17:45	-2°	WH	55%	850 F	-	108 ft		Y.E			
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 25/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 7	13:10	B.M
TF 8	13:30	T.M

SHEET NUMBER: 5

DATE: Sept 25 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
36/37	EEOS	WEOS	16:02	4°	TM	50%	460°C	-	106 ft		Y.E			
37/38	EEOS	WEOS	16:27	4°	BM	55%	850°F	-	98 ft		Y.E			
38/39	EEOS	WEOS	16:45	4°	BM	55%	850°F	-	98 ft		Y.E			
39/40	EEOS	WEOS	16:41	4°	TM	50%	460°C	-	97 ft	DS 7	Y.E		OCT 7	2010
40/41	EEOS	WEOS	17:02	4°	BM	55%	850°F	-	97 ft		Y.E			
41/42	EEOS	WEOS	16:56	4°	TM	50%	460°C	-	99 ft		Y.E			
42/43	EEOS	WEOS	17:18	3°	BM	55%	850°F	-	89 ft		Y.E			
43/44	EEOS	WEOS	17:22	3°	TM	50%	460°C	-	105 ft	DS 8	Y.E		OCT 7	2010
44/45	EEOS	WEOS	17:34	3°	BM	55%	850°F	-	99 ft		Y.E			
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 25 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-067 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
V FUSION	TF 9	7:35	W.H
EXTRUSION			
SOLVENT			

SHEET NUMBER: 6

DATE: Sep 30 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
45/46	EEOS	WEOS	8:15	2°	W.H	55%	850°F	-	99 ft		Y.E			
46/47	EEOS	WEOS	9:15	2°	W.H	55%	850°F	-	97 ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
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							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sep 30 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 101 - 057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 10	8:00	TM
TF 11	8:30	B M

SHEET NUMBER: 7

DATE: Oct 3 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE 2010	NON-DESTRUCTIVE CHECKED BY
47/48	EEOS	-WEOS	8:52	5°	TM	52%	460°C	-	97 ft		Y.E			
48/49	EEOS	-WEOS	9:27	6°	BM	50%	850°F	-	100 ft	DS# 9	Y.E		OCT.5	Y.E
49/50	EEOS	-WEOS	9:30	5°	TM	52%	460°C	-	96 ft		Y.E			
50/51	EEOS	-WEOS	9:49	6°	TM	52%	460°F	-	96 ft		Y.E			
51/52	EEOS	-WEOS	9:50	6°	BM	50%	850°F	-	96 ft		Y.E			
52/53	EEOS	-WEOS	10:12	6°	TM	52%	460°C	-	93 ft	DS10	Y.E		OCT.5	Y.E
53/54	EEOS	-WEOS	10:20	6°	BM	50%	850°F	-	93 ft		Y.E			
/		-					-	-						
/		-					-	-						
/		-					-	-						
/		-					-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 4. 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 12	9:00	W.H
TF 13	9:30	T. M
TF 14	14:15	B.M
TF 15	14:25	W.H

SHEET NUMBER: 8

DATE: Oct 5 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
54 / 55	EEOS - WEOS		9:44	4°	W.H	50%	850°F	-	93 ft		Y.E			
56 / 56	EEOS - WEOS		9:45	4°	T.M	50%	460°C	-	93 ft		Y.E			
56 / 57	EEOS - WEOS		10:01	4°	W.H	50%	850°F	-	91 ft	DS 11	Y.E		oct 5	Y.E
57 / 58	EEOS - WEOS		10:07	4°	T.M	50%	460°C	-	90 ft		Y.E			
58 / 59	EEOS - WEOS		10:20	4°	W.H	50%	850°F	-	90 ft		Y.E			
59 / 60	EEOS - WEOS		10:35	4°	W.H	50%	850°F	-	93 ft		Y.E			
60 / 61	EEOS - WEOS		10:53	4°	W.H	50%	850°F	-	93 ft	DS 12	Y.E		oct.6	Y.E
61 / 62	EEOS - WEOS		15:05	4°	B.M	50%	460°C	-	94 ft		Y.E			
62 / 63	EEOS - WEOS		15:30	4°	B.M	50%	460°C	-	94 ft		Y.E			
63 / 64	EEOS - WEOS		15:25	4°	W.H	50%	850°F	-	84 ft		Y.E			
64 / 65	EEOS - WEOS		15:45	4°	W.H	50%	850°F	-	63 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 5 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 12	9:00	W.H
TF 13	9:30	T.M
TF 14	14:15	B.M
TF 15	14:25	W.H

SHEET NUMBER: 9

DATE: Oct 5 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
65166	E EOS	- WEOS	15:45	4°	BM	50%	850°F -	-	56 ft		Y.E			
66167	EEOS	- WEOS	15:55	4°	W.H	50%	460°C -	-	56 ft	DS 13	Y.E		Oct 6 2010	Y.E
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 5/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 16	7:30	W.H
TF 17	7:40	B.M

SHEET NUMBER: 10

DATE: Oct 25 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
68/69	EEOS	WEOS	9:40	-7°	B.M	50%	850°F	-	61ft					
69/70	EEOS	WEOS	10:10	-7°	B.M	50%	850°F	-	61ft					
70/71	EEOS	WEOS	10:30	-7°	B.M	50%	850°F	-	61ft					
71/72	EEOS	WEOS	10:50	-7°	B.M	50%	850°F	-	61ft					
72/73	EEOS	WEOS	10:47	-7°	W.H	50%	460°C	-	61ft					
73/74	EEOS	WEOS	11:00	-6°	B.M	50%	850°F	-	61ft					
74/75	EEOS	WEOS	10:55	-6°	W.H	50%	460°C	-	61ft					
75/76	EEOS	WEOS	11:15	-6°	W.H	50%	460°C	-	61ft					
76/77	EEOS	WEOS	11:30	-6°	W.H	50%	460°C	-	61ft	DS#14	Y.E		oct 25/	Y.E
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 25 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	TX 6	11:30	Y.E
✓ EXTRUSION			
____ SOLVENT			

SHEET NUMBER: 11

DATE: Oct 25 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
Tie-in 68 / 74	SEOS	NEOS	12:00	-7	Y.E	525°	520°	-	48 m					
Tie-in 74 / 77	SEOS	NEOS	15:50	-7	Y.E	525°	520°	-	31 m					
/	-						-	-						
/	-						-	-						
/	-						-	-	-					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 25 / 2010

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

✓ **TF - # FUSION** _____ **TX - # = EXTRUSION** _____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE ---------- STRENGTH	OUTSIDE PEEL MODE ---------- STRENGTH	SHEAR MODE ---------- STRENGTH			
TF1	Sep 23 14:55	1824	W.H	4°	55%	N/A	850°F	131 / 125 / 130 / 132 / /	116 / 130 / 118 / 125 / /	182 / / 190	P	Y.E	
TF2	Sep 23 15:30	1778	T.M	4°	52%	N/A	460°C	154 / 164 / 159 / 152 / /	155 / 157 / 154 / 153 / /	203 / / 159	P	Y.E	
TF3	Sep 24 10:30	1824	W.H	-2°	50%	N/A	850°F	145 / 164 / 158 / 152 / /	148 / 145 / 151 / 150 / /	176 / / 190	P	Y.E	
TF4	Sep 24 11:10	1778	TM	-1°	52%	N/A	460°C	168 / 163 / 166 / 160 / /	143 / 163 / 153 / 157 / /	210 / / 203	P	Y.E	
TF5	Sep 24 13:45	1824	W.H	0°	55%	N/A	850°F	111 / 125 / 130 / 135 / /	138 / 145 / 129 / 133 / /	180 / / 179	P	Y.E	
TF6	Sep 24 17:20	1778	T.M	-2°	50%	N/A	460°C	168 / 183 / 178 / 173 / /	180 / 172 / 176 / 170 / /	234 / / 218	P	Y.E	
TF7	Sep 25 13:10	1824	B.M	6°	55%	N/A	850°F	120 / 132 / 126 / 138 / /	125 / 136 / 120 / 142 / /	208 / / 200	P	Y.E	
TF8	Sep 25 13:30	1778	T.M	6°	50%	N/A	460°C	130 / 142 / 140 / 130 / /	136 / 145 / 130 / 148 / /	190 / / 188	P	Y.E	
TF9	Sep 30 7:35	1824	W.H	2°	50%	N/A	850°F	173 / 183 / 193 / 187 / /	180 / 172 / 192 / 172 / /	226 / / 225	P	Y.E	
TF10	Oct 3 8:00	1824	B.M	5°	50%	N/A	850°F	147 / 154 / 150 / 151 / /	144 / 143 / / 146 / 151 /	148 / / 190	P	Y.E	
TF11	Oct 3 830	1778	T.M	5°	50%	N/A	460°C	166 / 171 / 140 / 156 / /	148 / 140 / 162 / 168 / /	186 / / 187	P	Y.E	

LS FORM 3

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: Y.E

DATE: Oct 3 / 2010

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 2

✓ **TF - # FUSION** _____ **TX - # = EXTRUSION** _____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2010	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE ---------- STRENGTH	OUTSIDE PEEL MODE ---------- STRENGTH	SHEAR MODE ---------- STRENGTH			
TF12	oct 5 9:00	1824	W.H	4°	50%	N/A	850°F	154/ 178/ 166 145/ / /	150/ 180/ 123 181/ / /	213 / / 158	P	Y.E	
TF13	oct 5 9:30	1778	T.M	4°	50%	N/A	460°C	161/ 164/ 135 148/ / /	145/ 146/ 143 144/ / /	202 / / 214	P	Y.E	
TF14	oct 5 14:15	1824	B.M	4°	50%	N/A	850°F	153/ 155/ 141 164/ / /	128/ 133/ 136 140/ / /	185 / / 187	P	Y.E	
TF15	oct 5 14:25	1778	W.H	4°	50%	N/A	460°F	142/ 138/ 141 136/ / /	143/ 132/ 145 140/ / /	190 / / 193	P	Y.E	
TF16	oct 25 7:30	1778	W.H	4°	50%	N/A	460°F	165/ 177/ 175 178/ / /	161/ 166/ 163 157/ / /	230/ / 231	P	Y.E	
TF17	oct 25 7:40	1824	B.M		50%	N/A	850°C	182/ 178/ 180 174/ / /	165/ 168/ 164 169/ / /	230/ / 240	P	Y.E	
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			

SUBMITTED BY: Y.E

DATE: Oct 5/2010

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

____ **TF - # FUSION** ✓ **TX - # = EXTRUSION** ____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2010	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE / STRENGTH	OUTSIDE PEEL MODE / STRENGTH	SHEAR MODE / STRENGTH			
TX1	Sept 23 8:10 AM	02 PX	WH	-1°	520 °F	505 °F	N/A	131/ /118/ /120 /125/ / /	/ / / / / / / /	148 / /155	P	Y.E	
TX2	Sept 25 13:30	02 PX	WH	-2°	530 °F	520 F°	N/A	132/ /121/ /129 /114/ / /	/ / / / / / / /	171 / /171	P	Y.E	
TX3	Sep 27 15:50	02 PX	WH	-2°	530 °F	520 F°	N/A	128/ /127/ /118 /130/ / /	/ / / / / / / /	185 / /180	P	Y.E	
TX4	oct 3 13:00	21 PX	Y.E	7°	520 °F	510 F°	N/A	132/ /135/ /128 /137/ / /	/ / / / / / / /	190 / /188	P	Y.E	
TX5	Oct 5 12:00	21 PX	Y.E	3°	525 °F	520 °F	N/A	133/ /137/ /129 /134/ / /	/ / / / / / / /	189 / /180	P	Y.E	
TX6	oct 25 11:30	21 PX	Y.E	-6°	525 °F	520 °F	N/A	144 /184/ /163 /159/ / /	/ / / / / / / /	183 / /192	P	Y.E	
TX7								/ / / / / / / /	/ / / / / / / /	/ /			
TX8								/ / / / / / / /	/ / / / / / / /	/ /			
TX9								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			

SUBMITTED BY: Y.E

DATE: Oct 5/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of Geotextile and LLDPE Texture DATE: 23/09/2010
SHEET NUMBER: 1
DEPLOYMENT EQUIPMENT: Spreader Bar - cat 330

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 1	PANEL LOCATION REFERENCE NUMBER 2	PANEL LOCATION REFERENCE NUMBER 3
PANEL/ROLL NUMBER	330443-09	330443-09	330443-09
DEPLOYMENT LENGTH	57 Ft	56 Ft	62 Ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 2 S= E= W=	N= 3 S= 1 E= W=	N= 4 S= 2 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 4	PANEL LOCATION REFERENCE NUMBER 5	PANEL LOCATION REFERENCE NUMBER 6
PANEL/ROLL NUMBER	330443-09	330443-09	330443-09
DEPLOYMENT LENGTH	65 ft	64 ft	64 Ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 5 S= 3 E= W=	N= 6 S= 4 E= W=	N= 7 S= 5 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 7	PANEL LOCATION REFERENCE NUMBER 8	PANEL LOCATION REFERENCE NUMBER 9
PANEL/ROLL NUMBER	330450-09	330450-09	330450-09
DEPLOYMENT LENGTH	65 ft	64 ft	64 Ft
AMBIENT AIR TEMP.	5°	5°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 8 S= 6 E= W=	N= 9 S= 7 E= W=	N= 10 S= 8 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 10	PANEL LOCATION REFERENCE NUMBER 11	PANEL LOCATION REFERENCE NUMBER 12
PANEL/ROLL NUMBER	330450-09	330450-09	330450-09
DEPLOYMENT LENGTH	64 ft	68 ft	70 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 11 S= 9 E= W=	N= 12 S= 10 E= W=	N= 13 S= 11 E= W=

SUBMITTED BY: Y.E
DATE: Sept 24/2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE
DATE: Sept 23 /2010
SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: Spreader Bar - Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 13	PANEL LOCATION REFERENCE NUMBER 14	PANEL LOCATION REFERENCE NUMBER 15
PANEL/ROLL NUMBER	N #	N #	N #
DEPLOYMENT LENGTH	71 ft	72 ft	74 ft
AMBIENT AIR TEMP.	3°	2°	2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 14 S= 12 E= W=	N= 15 S= 13 E= W=	N= 16 S= 14 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 16	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	N #		
DEPLOYMENT LENGTH	79 ft		
AMBIENT AIR TEMP.	2°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= 17 S= 15 E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Sept 24 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Instalation of LLDPE

DATE: Sept 24 / 2010
SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: Spreader Bar - Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 17	PANEL LOCATION REFERENCE NUMBER 18	PANEL LOCATION REFERENCE NUMBER 19
PANEL/ROLL NUMBER	330448 -09	330448 -09	330448 -09
DEPLOYMENT LENGTH	85 ft	88 ft	90 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 18 S= 16 E= W=	N= 19 S= 17 E= W=	N= 20 S= 18 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 20	PANEL LOCATION REFERENCE NUMBER 21	PANEL LOCATION REFERENCE NUMBER 22
PANEL/ROLL NUMBER	330448 -09	330442 -09	330442 -09
DEPLOYMENT LENGTH	91 ft	94 ft	105 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 21 S= 19 E= W=	N= 22 S= 20 E= W=	N= 23 S= 21 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 23	PANEL LOCATION REFERENCE NUMBER 24	PANEL LOCATION REFERENCE NUMBER 25
PANEL/ROLL NUMBER	330442 -09	330442 -09	330555 -09
DEPLOYMENT LENGTH	97 ft	97 ft	106 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 24 S= 22 E= W=	N= 25 S= 23 E= W=	N= 26 S= 24 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 26	PANEL LOCATION REFERENCE NUMBER 27	PANEL LOCATION REFERENCE NUMBER 28
PANEL/ROLL NUMBER	330555 -09	330555 -09	330555 -09
DEPLOYMENT LENGTH	110 ft	110 ft	81 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 27 S= 25 E= W=	N= 28 S= 26 E= W=	N= 30 S= 27 E= 29 W=

SUBMITTED BY: Y. E
DATE: Sept 25 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION:

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE DATE: Sept 24 / 2010

SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT: Spreader bar and hoe cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 29	PANEL LOCATION REFERENCE NUMBER 30	PANEL LOCATION REFERENCE NUMBER 31
PANEL/ROLL NUMBER	330448-09	250739-08	250739-08
DEPLOYMENT LENGTH	28 ft	106 ft	106 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY			
ADJACENT PANEL	N= 30 S= 27 E= W= 28	N= 31 S= 28-29 E= W=	N= 32 S= 30 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 32	PANEL LOCATION REFERENCE NUMBER 33	PANEL LOCATION REFERENCE NUMBER 34
PANEL/ROLL NUMBER	250739-08	330562-09	330562-09
DEPLOYMENT LENGTH	106 ft	110 ft	109 ft
AMBIENT AIR TEMP.	-2°	-2°	-2°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY			
ADJACENT PANEL	N= 33 S= 31 E= W=	N= 34 S= 32 E= W=	N= 35 S= 33 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 35	PANEL LOCATION REFERENCE NUMBER 36	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	330562-09	330446-09	
DEPLOYMENT LENGTH	109 ft	108 ft	
AMBIENT AIR TEMP.	-2°	-2°	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY			
ADJACENT PANEL	N= 36 S= 34 E= W=	N= 37 S= 35 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y. E

DATE: Sept 26 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of Geotextile and LLDPE TEXTURE DATE: Sept 25/2010
SHEET NUMBER: 5
DEPLOYMENT EQUIPMENT: Spreder Bar - cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 37	PANEL LOCATION REFERENCE NUMBER 38	PANEL LOCATION REFERENCE NUMBER 39
PANEL/ROLL NUMBER	330445-09	330445-09	330445-09
DEPLOYMENT LENGTH	106 ft	98 ft	98 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 38 S= 36 E= W=	N= 39 S= 37 E= W=	N= 40 S= 38 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 40	PANEL LOCATION REFERENCE NUMBER 41	PANEL LOCATION REFERENCE NUMBER 42
PANEL/ROLL NUMBER	251232-08	251232-08	251232-08
DEPLOYMENT LENGTH	97 ft	99 ft	99 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 41 S= 39 E= W=	N= 42 S= 40 E= W=	N= 43 S= 41 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 43	PANEL LOCATION REFERENCE NUMBER 44	PANEL LOCATION REFERENCE NUMBER 45
PANEL/ROLL NUMBER	330559-09	330559-09	330559-09
DEPLOYMENT LENGTH	105 ft	105 ft	99 ft
AMBIENT AIR TEMP.	4°	4°	4°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 44 S= 42 E= W=	N= 45 S= 43 E= W=	N= S= 44 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Sept 25/2010

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE TEXTURED
DATE: Sept 30 /2010
SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: Spreader Bar Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 46	PANEL LOCATION REFERENCE NUMBER 47	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	330947-09	330947-09	
DEPLOYMENT LENGTH	100ft	97ft	
AMBIENT AIR TEMP.	20	20	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 47 S= 45 E= W=	N= 48 S= 46 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Sept 30 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of LLDPE TEXTURED DATE: Oct 3 /2010
SHEET NUMBER: 7
DEPLOYMENT EQUIPMENT: Spreder Bar Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 48	PANEL LOCATION REFERENCE NUMBER 49	PANEL LOCATION REFERENCE NUMBER 50
PANEL/ROLL NUMBER	330447	330447	330553
DEPLOYMENT LENGTH	100 ft	100 ft	96 ft
AMBIENT AIR TEMP.	5°	5°	5°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 49 S= 47 E= W=	N= 50 S= 48 E= W=	N= 51 S= 49 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 51	PANEL LOCATION REFERENCE NUMBER 52	PANEL LOCATION REFERENCE NUMBER 53
PANEL/ROLL NUMBER	330553	330553	330553
DEPLOYMENT LENGTH	96 ft	96 ft	93 ft
AMBIENT AIR TEMP.	5°	5°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 52 S= 50 E= W=	N= 53 S= 51 E= W=	N= 54 S= 52 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 54	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	330554		
DEPLOYMENT LENGTH	93 ft		
AMBIENT AIR TEMP.	6°		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= S= 53 E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Oct 4 /2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of LLDPE 60 mil TEXTURED DATE: Oct 5 / 2010
SHEET NUMBER: 8
DEPLOYMENT EQUIPMENT: Spreader Bar Hoe Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 55	PANEL LOCATION REFERENCE NUMBER 56	PANEL LOCATION REFERENCE NUMBER 57
PANEL/ROLL NUMBER	330554	330554	330554
DEPLOYMENT LENGTH	94 ft	53 ft	91 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 56 S= 54 E= W=	N= 57 S= 55 E= W=	N= 58 S= 56 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 58	PANEL LOCATION REFERENCE NUMBER 59	PANEL LOCATION REFERENCE NUMBER 60
PANEL/ROLL NUMBER	241476	241476	241476
DEPLOYMENT LENGTH	90 ft	93 ft	93 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 59 S= 57 E= W=	N= 60 S= 58 E= W=	N= 61 S= 59 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 61	PANEL LOCATION REFERENCE NUMBER 62	PANEL LOCATION REFERENCE NUMBER 63
PANEL/ROLL NUMBER	241476	241479	241479
DEPLOYMENT LENGTH	94 ft	95 ft	94 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 62 S= 60 E= W=	N= 63 S= 61 E= W=	N= 64 S= 62 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 64	PANEL LOCATION REFERENCE NUMBER 65	PANEL LOCATION REFERENCE NUMBER 66
PANEL/ROLL NUMBER	241479	241479	241479
DEPLOYMENT LENGTH	84 ft	63 ft	56 ft
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 65 S= 63 E= W=	N= 66 S= 64 E= W=	N= 67 S= 65 E= W=

SUBMITTED BY: Y.E
DATE: Oct 5 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of LLDPE 60 MIL TEXTURED DATE: Oct 5 / 2010

SHEET NUMBER: 9

DEPLOYMENT EQUIPMENT: Spreader Bar Hoe Cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 67	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	241476		
DEPLOYMENT LENGTH	39 ft		
AMBIENT AIR TEMP.			
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y. E		
ADJACENT PANEL	N= S= 66 E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y. E

DATE: Oct 05 / 2010

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 10c-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Installation of LLDPE 60mil Textured DATE: Oct 25 /2010
SHEET NUMBER:
DEPLOYMENT EQUIPMENT: Spreader Bar Hoe cat 350

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 68	PANEL LOCATION REFERENCE NUMBER 69	PANEL LOCATION REFERENCE NUMBER 70
PANEL/ROLL NUMBER	250739-08	330558-09	330562-09
DEPLOYMENT LENGTH	61 ft	61 ft	61 ft
AMBIENT AIR TEMP.	-7	-7	-7
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 69 S=	N= 70 S= 68	N= 71 S= 69
	E= 1 W=	E= 1, 2 W=	E= 2, 3 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 71	PANEL LOCATION REFERENCE NUMBER 72	PANEL LOCATION REFERENCE NUMBER 73
PANEL/ROLL NUMBER	330445-09	227343-10	227343-10
DEPLOYMENT LENGTH	61 ft	61ft	61 ft
AMBIENT AIR TEMP.	-7	-7	-7
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 72 S= 70	N= 73 S= 71	N= 74 S= 72
	E= 3, 4 W=	E= 4, 5 W=	E= 5, 6 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 74	PANEL LOCATION REFERENCE NUMBER 75	PANEL LOCATION REFERENCE NUMBER 76
PANEL/ROLL NUMBER	227343-10	227343-10	227343-10
DEPLOYMENT LENGTH	61ft	61 ft	61 ft
AMBIENT AIR TEMP.	-7	-7	-7
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 75 S= 73	N= 76 S= 74	N= 77 S= 75
	E= 6, 7 W=	E= 7, 8 W=	E= 8, 9 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 77	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	227343-10		
DEPLOYMENT LENGTH	61 ft		
AMBIENT AIR TEMP.	-7		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= S= 76	N= S=	N= S=
	E= 9, 10 W=	E= W=	E= W=

SUBMITTED BY: Y.E
DATE: Oct 25 /2010

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Sept 21 /2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** _____

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	2010 TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
	-							1A	Sept 21	BM	N/A	Y.E	
	-							1B	Sept 21	BM	N/A	Y.E	
	-							1C	Sept 21	BM	N/A	Y.E	
	-							1D	Sept 21	BM	N/A	Y.E	
	-							1E	Sept 21	BM	N/A	Y.E	
	-							1F	Sept 23	BM	N/A	Y.E	
	-							1G	Sept 23	BM	N/A	Y.E	
	-							1H	Sept 23	BM	N/A	Y.E	
	-							1I	Sept 23	BM	N/A	Y.E	
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: _____

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Nov 6 / 2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 2

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	2010 TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
	-							1J	Nov 6	BM		Y.E	
	-							1K	Nov 6	BM		Y.E	
	-							1L	Nov 6	BM		Y.E	
	-							1M	Nov 6	BM		Y.E	
	-							1N	Nov 6	BM		Y.E	
	-							1O	Nov 6	BM		Y.E	
	-							1P	Nov 6	BM		Y.E	
	-							1Q	Nov 6	BM		Y.E	
	-							1R	Nov 6	BM		Y.E	
	-							1S	Nov 6	BM		Y.E	
	-							1T	Nov 6	BM		Y.E	
	-							2A	Nov 6	BM		Y.E	
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: Nov 7/2010

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **DATE:** Nov 6 /2010

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 3

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM - TO	2010 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO / YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
TIE-IN P-34/P-64	EOS - EOS	Nov 6	BM		✓	Y.E	TIE-IN 2010/2009						
	-												
	-												
	-												
	-												
	-												
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: Nov 7 /2010

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 1

DEFECT CODE	LOG DATE 2010	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DEFECT LOCATION DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE 2010	REMARKS **	TEST DATE	CHECKED BY
1A	Sept 23	S.3-4	34 ft from WEOS	BO	P-GW	W.H	Sept 21		Sept 21	Y.E
1B	Sept 23	S4-5	39 ft from WEOS	BO	P-GW	W.H	Sept 21		Sept 21	Y.E
1C	Sept 23	S8-9	22 ft from WEOS	DS-1	P GW	W.H	Sept 21		Sept 21	Y.E
1D	Sept 23	S13-14	93 ft from EEOS	DS-2	P GW	W.H	Sept 21		Sept 21	Y.E
1E	Sept 23	P-16	28 ft Extrusion	SI	RS GW	W.H	Sept 21	Extrusion W P-16 to existing Line	Sept 21	Y.E
1F	Sept 25	S 20-21	19 ft from EEOS	SI	P-GW	W.H	Sept 23		Sept 23	Y.E
1G	Sept 25	S 21-22	21 ft from WEOS	DS-3	P-GW	W.H	Sept 23		Sept 23	Y.E
1H	Sept 25	S 23-24/25	23 ft from EEOS	T	P-GW	W.H	Sept 23		Sept 23	Y.E
1I	Sept 25	S 27-28	26 ft from WEOS	DS-4	P-GW	W.H	Sept 23		Sept 23	Y.E
1J	Oct 7	S 17-34	74 ft from WEOS	BO	P GW	W.H	Oct 26		Oct 28	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX 1	8:30 AM	WH
TX 2	8:30 AM	WH
TX 6	8:15 AM	WH

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: /

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake **SHEET NUMBER:** 2

DEFECT CODE	LOG DATE 2010	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DEFECT LOCATION DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE 2010	REMARKS **	TEST DATE	CHECKED BY
1K	Nov-7	S-34-35	2' from WEOS	BO	P GW	W H	Nov 6			
1L	Nov-7	S34-35	9' from WEOS	BO	P GW	W H	Nov 6			
1M	Nov-7	S34-35	EEOS	CO	P GW	W H	Oct 8			
1N	Nov-7	S37-38	19' from WEOS	BO	P GW	W H	Nov 6			
1O	Nov-7	S37-38	5' from WEOS	BO	P GW	W.H	Nov 6			
1P	Nov-7	S48-49	11' from EEOS	BO	P GW	W.H	Nov 6			
1Q	Nov-7	S57-58	45' from EEOS	BO	P GW	W.H	Nov 6			
1R	Nov-7	P-63-64-65	22' from EEOS	T	P GW	W.H	Nov 5			
1S	Nov-7	S64-16	10' from WEOS	CR	P GW	W.H	Nov 5			
1T	Nov-7	S64-16	11' from EEOS	BO	P GW	W.H	Nov 5			
2A	Nov-7	P64-16-TIC-IN	EEOS	T	P GW	W.H	Nov 5			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER:

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX 5	7:00	W.H
TX 14	7:30	W.H
TX 16	9:30	Y.E

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE:

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

DATE: Sept 21 / 2010
SHEET NUMBER: 1

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
1 / 2	WEOS - EEOS	TM	40 : 40	10:30 : 10:35	P	- Yes	Y.E	
2 / 3	WEOS - EEOS	TM	42 : 41	10:35 : 10:40	P	- Yes	Y.E	
3 / 4	WEOS - EEOS	TM	45 : 45	10:37 : 10:42	P	NO -	Y.E	
3 / 4	EEOS - WEOS	TM	45 : 45	10:40 : 10:45	P	- Yes	Y.E	
4 / 5	WEOS - EEOS	TM	46 : 44	10:52 : 10:57	P	NO -	Y.E	
4 / 5	EEOS - WEOS	TM	45 : 45	11:03 : 11:08	P	- Yes	Y.E	
5 / 6	WEOS - EEOS	TM	45 : 44	11:15 : 11:20	P	- Yes	Y.E	
6 / 7	WEOS - EEOS	TM	46 : 45	11:07 : 11:12	P	- Yes	Y.E	
7 / 8	WEOS - EEOS	TM	46 : 46	11:43 : 11:48	P	- Yes	Y.E	
8 / 9	WEOS - EEOS	TM	45 : 43	11:47 : 11:52	P	- Yes	Y.E	
9 / 10	WEOS - EEOS	TM	45 : 44	11:52 : 11:57	P	- Yes	Y.E	
10 / 11	WEOS - EEOS	TM	46 : 45	13:42 : 13:47	P	- Yes	Y.E	
11 / 12	WEOS - EEOS	TM	45 : 45	13:45 : 13:50	P	- Yes	Y.E	
12 / 13	WEOS - EEOS	TM	46 : 45	13:47 : 13:52	P	- Yes	Y.E	
13 / 14	EEOS - WEOS	TM	45 : 44	14:16 : 14:21	P	- Yes	Y.E	
14 / 15	WEOS - EEOS	TM	45 : 45	14:12 : 14:17	P	- Yes	Y.E	
15 / 16	WEOS - EEOS	TM	45 : 45	14:43 : 14:48	P	- Yes	Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.
** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 21 / 2010
SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 22 /2010

SHEET NUMBER: 2

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
17 / 18	WEOS	EEOS	TM	45PSI	45PSI	19:50	19:55	P	-	✓	Y.E	
18 / 19	WEOS	EEOS	TM	45	45	19:52	19:57	P	-	✓	Y.E	
19 / 20	WEOS	EEOS	TM	45	45	19:54	19:59	P	-	✓	Y.E	
20 / 21	WEOS	EEOS	TM	45	45	19:56	20:01	P	✓	-	Y.E	
20 / 21	WEOS	EEOS	TM	45	45	10:25	10:30	P	-	✓	Y.E	Completed Sept 23/2010
21 / 22	WEOS	EEOS	TM	45	45	20:08	20:13	P	-	✓	Y.E	
22 / 23	WEOS	EEOS	TM	45	45	20:10	20:15	P	-	✓	Y.E	
23 / 25	WEOS	EEOS	TM	45	44	10:05AM	10:15	P	-	✓	Y.E	completed Sept 23/2010
23 / 24	EEOS	WEOS	TM	45	43	10:20AM	10:25	P	-	✓	Y.E	completed Sept 23/2010
24 / 25	SWEOS	NEEOS	TM	45	45	10:11AM	10:16	P	-	✓	Y.E	Completed Sept 23/2010
24 / 26	SWEOS	NEEOS	TM	45	43	20:19	20:24	P	-	✓	Y.E	
26 / 27	SWEOS	NEEOS	TM	45	44	20:20	20:25	P	-	✓	Y.E	
27 / 28	SWEOS	NEEOS	TM	45	45	20:21	20:26	P	-	✓	Y.E	
28 / 29	SWEOS	NEEOS	TM	45	43	20:22	20:27	P	-	✓	Y.E	
29 / 30	SWEOS	NEEOS	TM	45	45	20:28	20:33	P	-	✓	Y.E	
30 / 31	SWEOS	NEEOS	TM	45	45	20:30	20:35	P	-	✓	Y.E	
31 / 32	SWEOS	NEEOS	TM	45	44	20:42	20:47	P	-	✓	Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 23 /2010

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sept 22 / 2010

SHEET NUMBER: 3

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
32 / 33	SW EOS - NE EOS	TM	45 : 45	20:42 : 20:47	P	- ✓	Y. E	
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sept 23 / 2010

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: Sep 30 / 2010

SHEET NUMBER: 4

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
34 / 17	EEOS	-WEOS	W.H	45	: 45	14:20	: 14:25	P	✓	-	Y.E	
34 / 17	WEOS	-EEOS	W.H	45	: 44	14:20	: 14:25	P	-	✓	Y.E	
TIE-IN 34 / EXT LINER	NEOS	-SEOS	W.H	45	: 45	14:21	: 14:26	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sep 30 / 2010

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C - 057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

DATE: NOV 6 / 2010

SHEET NUMBER: 5

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
34	135	WEOS	EEOS	W.H	45	45	16:40	16:45	P		✓	Y.E	
34	135	WEOS	EEOS	W.H	45	44	16:42	16:45	P		✓	Y.E	
35	136	WEOS	EEOS	W.H	45	45	10:17	10:22	P		✓	Y.E	
36	137	WEOS	EEOS	W.H	45	45	10:23	10:28	P		✓	Y.E	
37	138	WEOS	EEOS	W.H	45	45	10:25	10:30	P	✓		Y.E	
37	138	WEOS	EEOS	W.H	50	50	10:33	10:38	P		✓	Y.E	
38	139	WEOS	EEOS	W.H	51	51	11:03	11:08	P		✓	Y.E	
39	140	WEOS	EEOS	W.H	48	48	11:04	11:09	P		✓	Y.E	
40	141	WEOS	EEOS	W.H	51	51	11:05	11:10	P		✓	Y.E	
41	142	WEOS	EEOS	W.H	45	45	11:06	11:11	P		✓	Y.E	
42	143	WEOS	EEOS	W.H	45	44	11:25	11:30	P		✓	Y.E	
43	144	WEOS	EEOS	W.H	49	49	11:26	11:31	P		✓	Y.E	
44	145	WEOS	EEOS	W.H	47	46	11:28	11:33	P		✓	Y.E	
45	146	WEOS	EEOS	W.H	40	40	11:30	11:35	P		✓	Y.E	
46	147	WEOS	EEOS	W.H	49	48	11:38	11:43	P		✓	Y.E	
47	148	WEOS	EEOS	W.H	49	48	17:42	17:47	P		✓	Y.E	
48	149	WEOS	EEOS	W.H	52	52	17:25	17:30	P	✓		Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Y.E

SUBMITTED BY: NOV 7 / 2010

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

DATE: NOV 6 /2010
SHEET NUMBER: 6

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
48 / 49	WEOS	EEOS	WH	50	50	17:40	17:45	P	-	✓	Y.E	
49 / 50	WEOS	EEOS	WH	44	44	17:33	17:38	P	-	✓	Y.E	
50 / 51	WEOS	EEOS	WH	52	52	17:37	17:42	P	-	✓	Y.E	
51 / 52	WEOS	EEOS	WH	46	46	17:44	17:49	P	-	✓	Y.E	
52 / 53	WEOS	EEOS	WH	45	44	17:45	17:50	P	-	✓	Y.E	
53 / 54	WEOS	EEOS	WH	46	46	17:45	17:50	P	-	✓	Y.E	
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* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.
** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: NOV 7 /2010
SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 10C - 057
PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Nunavut Baker Lake

DATE: Nov 5 /2010
SHEET NUMBER: 7

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
S4 / S5	WEOS	EEOS	W.H	52	57	9:31	9:36	P	-	✓	Y.E	Completed Nov 7/2010
S5 / S6	WEOS	EEOS	W.H	50	50	9:30	9:35	P	-	✓	Y.E	Completed Nov 7/2010
S6 / S7	WEOS	EEOS	W.H	40	40	15:08	15:13	P	-	✓	Y.E	
S7 / S8	WEOS	EEOS	W.H	45	45	11:10	11:15	P	✓	-	Y.E	Completed Nov 8/2010
S8 / S9	WEOS	EEOS	W.H	40	40	15:00	15:05	P	-	✓	Y.E	
S9 / S10	WEOS	EEOS	W.H	40	40	14:58	15:03	P	-	✓	Y.E	
S10 / S11	WEOS	EEOS	W.H	40	40	14:52	14:57	P	-	✓	Y.E	
S11 / S12	WEOS	EEOS	W.H	45	45	10:55	10:00	P	-	✓	Y.E	Completed Nov 8/2010
S12 / S13	WEOS	EEOS	W.H	40	40	14:18	14:23	P	-	✓	Y.E	
S13 / S14	WEOS	EEOS	W.H	49	48	14:05	14:10	P	-	✓	Y.E	
S13 / S15	WEOS	EEOS	W.H	40	40	14:42	14:47	P	-	✓	Y.E	
S14 / S15	WEOS	EEOS	W.H	40	40	14:42	14:47	P	-	✓	Y.E	
S14 / S16	WEOS	EEOS	W.H	47	46	14:07	14:12	P	-	✓	Y.E	
S14 / S16	WEOS	EEOS	W.H	47	46	14:09	14:14	P	-	✓	Y.E	
S2 / S8	WEOS	EEOS	W.H	48	48	11:10	11:15	P	-	✓	Y.E	Completed Nov 8/2010
/	-			:		:			-			
/	-			:		:			-			

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.
** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Nov 7 /2010
SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c 057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 1	8:15 AM	WH

SHEET NUMBER: 1

DATE: Sept 20/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE 2010 TEST DATE	NON-DESTRUCTIVE 2010 CHECKED BY
1 / 2	EEOS	-WEOS	15:35	2°	WH	55 %	850F	850 F	60 ft		Y.E			
2 / 3	EEOS	-WEOS	15:55	2°	WH	55 %	850 F	850 F	61 ft		Y.E			
3 / 4	EEOS	-WEOS	16:20	2°	WH	55 %	850 F	850 F	62 ft		Y.E			
4 / 5	EEOS	-WEOS	16:35	2°	WH	55 %	850 F	850 F	66 ft		Y.E			
5 / 6	EEOS	-WEOS	16:48	2°	WH	50 %	850 F	850 F	70 ft		Y.E			
6 / 7	EEOS	-WEOS	17:00	1°	WH	50 %	850 F	850 F	75 ft		Y.E			
7 / 8	EEOS	-WEOS	17:15	1°	WH	50 %	850 F	850 F	77 ft		Y.E			
8 / 9	EEOS	-WEOS	17:27	1°	WH	50 %	850 F	850 F	84 ft	DT 1	Y.E		Sept 21	Y.E
9 / 10	EEOS	-WEOS	17:40	1°	WH	50 %	850 F	850 F	82 ft		Y.E			
10 / 11	EEOS	-WEOS	17:55	1°	WH	50 %	850 F	850 F	85 ft		Y.E			
11 / 12	EEOS	-WEOS	18:20	1°	WH	50 %	850 F	850 F	85 ft		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 21 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION	TF 1	8:15 AM	W.H
EXTRUSION			
SOLVENT			

SHEET NUMBER: 2

DATE: Sept 20 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE 2010 TEST DATE	NON-DESTRUCTIVE 2010 CHECKED BY
12/13	EEOS	-WEOS	18:40	-1°	WH	40%	850F	850F	85ft		Y.E			
13/14	EEOS	-WEOS	19:10	-1°	WH	40%	850F	850F	93ft	DT2	Y.E		Sept 20	Y.E
14/15	EEOS	-WEOS	19:40	-1°	WH	40%	850F	850F	107ft		Y.E			
15/16	EEOS	-WEOS	20:15	-1°	WH	40%	850F	850F	128ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 21/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION	TF 2	9:35 AM	W.H
EXTRUSION	TF 3	9:50 AM	T.M
SOLVENT			

SHEET NUMBER: 3

DATE: Sept 22 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE 2010	NON-DESTRUCTIVE CHECKED BY
17 / 18	EEOS	-WEOS	14:00	1°	WH	55%	850 F	850 F	118 ft		Y.E			
18 / 19	EEOS	-WEOS	14:21	1°	TM	50%	460 C	460 C	105 ft		Y.E			
19 / 20	EEOS	-WEOS	14:35	1°	WH	55%	850 F	850 F	94 ft		Y.E			
20 / 21	EEOS	-WEOS	14:45	0°	TM	50%	460 C	460 C	81 ft		Y.E			
21 / 22	EEOS	-WEOS	15:05	0°	WH	55%	850 F	850 F	69 ft	DS#3	Y.E		Sept 23	Y.E
22 / 23	EEOS	-WEOS	15:20	0°	TM	50%	460 C	460 C	62 ft		Y.E			
24 / 25	EEOS	-WEOS	15:30	0°	WH	55%	850 F	850 F	38 ft		Y.E			
23 / 24/25	NEEOS	-SWEOS	15:48	0°	TM	50%	460C	460 C	62 ft		Y.E			
24 / 26	NEEOS	-SWEOS	16:38	-1°	WH	55%	850 F	850 F	62 ft		Y.E			
26 / 27	NEEOS	-SWEOS	16:51	-1°	WH	55%	850 F	850 F	61 ft		Y.E			
27 / 28	NEEOS	-SWEOS	17:02	-1°	WH	55%	850 F	850 F	58 ft	DS#4	Y.E		Sept 23	Y.E
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 23 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF2	9:30 AM	W.H
TF 3	9:50 AM	T.M

SHEET NUMBER: 4

DATE: Sept 22/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
28/29	NEEOS	SWEOS	17:15	-1°	WH	55%	850F	850F	56ft		Y.E			
29/30	NEEOS	SWEOS	17:26	-1°	WH	55%	850F	850F	54ft		Y.E			
30/31	NEEOS	SWEOS	17:36	-1°	WH	55%	850F	850F	52ft		Y.E			
31/32	NEEOS	SWEOS	18:20	-1°	WH	55%	850F	850F	50ft		Y.E			
32/33	NEEOS	SWEOS	18:00	-1°	WH	55%	850F	850F	50ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 23/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION	TFH	9:00	W.H
EXTRUSION			
SOLVENT			

SHEET NUMBER: 5

DATE: Oct 29 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
34/17	EEOS	WEOS	10:15	2°	W.H	50%	850°F	-	180ft		Y.E			
34 TY-IW / EX.Line	NEOS	SEOS	11:15	2°	W.H	50%	850°F	-	23ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sept 29 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam I

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TFS	13:50	BM
TF6	14:15	T.M

SHEET NUMBER: 6

DATE: oct 7/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
34/35	EEOS	-WEOS	17:32	-3°	TM	55%	460°C -	-	120ft		Y.E			
35/36	EEOS	-WEOS	17:45	-3°	BM	50%	850°F -	-	120ft	DS 5	Y.E			
36/37	EEOS	-WEOS	17:55	-4°	TM	55%	460°C -	-	120ft		Y.E			
37/38	EEOS	-WEOS	18:15	-4°	BM	50%	850°F -	-	120ft		Y.E			
38/39	EEOS	-WEOS	18:40	-4°	TM	55%	460°C -	-	120ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: oct 11/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF7	13:25	Y.E
TF8	13:30	B.M

SHEET NUMBER: 7

DATE: Oct 8 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
39/40	EEOS	WEOS	14:20		BM	55%	850°F	-	124 ft	DS 6	Y.E			
40/41	EEOS	WEOS	14:20		Y.E	30%	460°C	-	127 ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
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/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 8 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF 9	8:00	Y.E
TF 10	8:15	B.M
TF 11	13:50	B.M
TF12	13:55	Y.E

SHEET NUMBER: 8

DATE: Oct 10 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
41 /42	EEOS	-WEOS	9:10	2°	Y.E	50%	460°C -	-	120 ft		Y.E			
42 /43	EEOS	-WEOS	9:10	2°	B.M	50%	850°F -	-	120 ft		Y.E			
43 /44	EEOS	-WEOS	11:50	4°	B.M	50%	850°F -	-	120 ft	DS 7	Y.E			
44 /45	EEOS	-WEOS	11:50	4°	Y.E	50%	460°C -	-	120 ft		Y.E			
45 /46	EEOS	-WEOS	15:15	5°	Y.E	50%	460°C -	-	120 ft		Y.E			
46 /47	EEOS	-WEOS	15:15	5°	BM	50%	850°F -	-	120 ft	DS 8	Y.E			
47 /48	EEOS	-WEOS	17:45	3°	BM	50%	850°F -	-	120 ft		Y.E			
48 /49	EEOS	-WEOS	18:00	3°	Y.E	50%	460°C -	-	120 ft		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 10 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 13	8:00	B.M

SHEET NUMBER: 9

DATE: Oct 12/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
49/50	EEOS	-WEOS	10:10	1°	BM	50%	850°F	-	120		Y.E			
50/51	EEOS	-WEOS	10:40	1°	BM	50%	850°F	-	122	DS 9	Y.E			
51/52	EEOS	-WEOS	11:15	1°	BM	50%	850°F	-	122		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Oct 12/2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mine

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 14	17:30	Y.E
TF 15	17:35	W.H

SHEET NUMBER: 10

DATE: Oct 30 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
52/53	EEOS	WEOS	18:00	-11	W.H	50%	460°C -	-	118 ft					
53/54	EEOS	WEOS	18:20	-11	W.H	50%	460°C -	-	118 ft					
54/55	EEOS	WEOS	18:45	-11	W.H	50%	460°C -	-	118 ft	DS 10			Nov/01	Y.E
55/56	EEOS	WEOS	18:20	-11	Y.E	50%	850°F -	-	118 ft					
56/57	EEOS	WEOS	19:27	-15	W.H	50%	460°C -	-	118 ft					
57/58	EEOS	WEOS	19:27	-15	Y.E	50%	850°F -	-	118 ft					
58/59	EEOS	WEOS	20:30	-15	W.H	50%	460°C -	-	118 ft	DS 11			Nov/01	Y.E
59/60	EEOS	WEOS	20:35	-15	Y.E	50%	850°F -	-	118 ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y. E

DATE: Oct 30 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION	TF16	16:20	W.H
EXTRUSION			
SOLVENT			

SHEET NUMBER: 16

DATE: Oct 31 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
60/61	EEOS	-WEOS	16:50	-10°	W.H	50%	460°C -	-	118 FT		Y.E			
61/62	EEOS	-WEOS	17:45	-10°	W H	50%	460°C -	-	118 FT		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y. E

DATE: Oct 31 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TF 17	15:20	W.H

SHEET NUMBER: 12

DATE: Nov 1 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
64/16	WEOS	EEOS	15:30	-9	W.H	50%	460°C -	-	118 ft					
62/63	EEOS	WEOS	16:10	-9	W.H	50%	460°C -	-	118 ft	DS12				
63/64	EEOS	WEOS	16:35	-9	W.H	50%	460°C -	-	120 ft					
64/65	EEOS	WEOS	16:55	-9	W.H	50%	460°C -	-	22 ft					
63/65	EEOS	WEOS	17:05	-9	W.H	50%	460°C -	-	22 ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Nov 1 /2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	TX 5	7:00	W.H
✓ EXTRUSION	TX 8	8:00	W.H
____ SOLVENT	TX 9	7:30	W.H
	TX 10	11:30	W.H

SHEET NUMBER: 13

DATE: OCT 29 /2010

TO oct 31 /2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN 34 /EXTRUDER	EOS	NEOS	7:35	0°	W.H	525°F	520°F	-	23'			oct 8/2010		
TIE-IN 35 /42	EOS	NEOS	9:00	-6°	W H	525°F	525°F	-	161'					
TIE-IN 42 / 51	EOS	NEOS	9:00	-12°	W H	525°F	525°F	-	230'					
TIE-IN 51 /52	EOS	NEOS	11:35	-9°	W H	525°F	525°F	-	23'					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: V. E

DATE: NOV 7 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057 **PROJECT TITLE:** Saddle Dam 1

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	TX 11	14:20	W.H
✓ EXTRUSION	TX 12	8:30	W.H
____ SOLVENT	TX 13	13:00	W.H

SHEET NUMBER: 14

DATE: Nov 1 / 2010

To Nov 2 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN P52 TO P6	EOS	NEOS	16:00	-9°	W.H	525°F	520°F	-	92 ft					
TIE-IN P56 TO P63	EOS	NEOS	9:00	-11°	W.H	525°F	520°F	-	161 ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
						DAILY TOTAL								

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Nov 7 / 2010

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	TX14	7:30	W H
✓ EXTRUSION			
____ SOLVENT			

SHEET NUMBER: 15

DATE: NOV 5/2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TREND P63/P64	EOS	-WEOS	10:00	-10°	W.H	525°F	520°F	-	51ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL							

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y. E

DATE: NOV 7/2010

LAYFIELD

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Saddle Dam 2
PROJECT NUMBER: 177-104
OWNER: Agnico (Agio Mines)
LOCATION: Baker Lake Nunavut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The surface of saddle Dam 2 is ready to install liner with a few minor details that in agreement with the contractor with double layer of geotextile is sufficient to proceed with the work

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 09 September, 2011
Signature: [signature]
Name: Hector Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: 12/09/11
Signature: [signature]
Name: Erik Vanover
Title: Ing.
Company: AEM

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 120-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: AEM
LOCATION: Baker Lake Nunavut
GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: Order lay of geotextile and LLDPE 60 mil Textured DATE: 09 Sep - 2011
SHEET NUMBER: 1
DEPLOYMENT EQUIPMENT: Spreader Bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 78	PANEL LOCATION REFERENCE NUMBER 79	PANEL LOCATION REFERENCE NUMBER 80
PANEL/ROLL NUMBER	227342-10	227342-10	227342-10
DEPLOYMENT LENGTH	15.5m	15.5m	15.5m
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 79 S= 77 E= W=	N= 80 S= 78 E= W=	N= 81 S= 79 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 81	PANEL LOCATION REFERENCE NUMBER 82	PANEL LOCATION REFERENCE NUMBER 83
PANEL/ROLL NUMBER	227342-10	227342-10	227342-10
DEPLOYMENT LENGTH	15.5m	15.5m	15.5m
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 82 S= 80 E= W=	N= 83 S= 81 E= W=	N= 84 S= 82 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 84	PANEL LOCATION REFERENCE NUMBER 85	PANEL LOCATION REFERENCE NUMBER 86
PANEL/ROLL NUMBER	227342-10	227342-10	227342-10
DEPLOYMENT LENGTH	15.5m	15.5	15.5
AMBIENT AIR TEMP.	6°	6°	6°
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 85 S= 83 E= W=	N= 86 S= 84 E= W=	N= 87 S= 85 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: 09 Sep 2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 126-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Deploy geotextile and LLDPE 60 mil Textured DATE: 11 Sep, 2011
SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: spreader bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 87	PANEL LOCATION REFERENCE NUMBER 88	PANEL LOCATION REFERENCE NUMBER 89
PANEL/ROLL NUMBER	228451-10	228451-10	228451-10
DEPLOYMENT LENGTH	15.5m	15.5m	15.5m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 88 S= 86 E= W=	N= 89 S= 87 E= W=	N= 90 S= 88 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 90	PANEL LOCATION REFERENCE NUMBER 91	PANEL LOCATION REFERENCE NUMBER 92
PANEL/ROLL NUMBER	228451-10	228451-10	228451-10
DEPLOYMENT LENGTH	15.5m	15.5m	15.5m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 91 S= 89 E= W=	N= 92 S= 90 E= W=	N= 93 S= 91 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 93	PANEL LOCATION REFERENCE NUMBER 94	PANEL LOCATION REFERENCE NUMBER 95
PANEL/ROLL NUMBER	228451-10	228451-10	N/#
DEPLOYMENT LENGTH	17.5m	17.5m	17.5m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 94 S= 92 E= W=	N= 95 S= 93 E= W=	N= 96 S= 94 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 96	PANEL LOCATION REFERENCE NUMBER 97	PANEL LOCATION REFERENCE NUMBER 98
PANEL/ROLL NUMBER	N/#	228454-10	228454-10
DEPLOYMENT LENGTH	17.5m	17.5m	17.5m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 97 S= 95 E= W=	N= 98 S= 96 E= W=	N= 99 S= 97 E= W=

SUBMITTED BY: Y.E
DATE: 11 Sep 2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile under lay and LLDPE over Lay

DATE: 12 Sep 2011
SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 99	PANEL LOCATION REFERENCE NUMBER 100	PANEL LOCATION REFERENCE NUMBER 101
PANEL/ROLL NUMBER	228452-10	228452-10	228452-10
DEPLOYMENT LENGTH	17.5m	17.5m	17.5m
AMBIENT AIR TEMP.	8°C	7°C	2°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 100 S= 98 E= W=	N= 101 S= 99 E= W=	N= 102 S= 100 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 102	PANEL LOCATION REFERENCE NUMBER 103	PANEL LOCATION REFERENCE NUMBER 104
PANEL/ROLL NUMBER	228452-10	228452-10	228452-10
DEPLOYMENT LENGTH	17.5m	17.5m	17.5m
AMBIENT AIR TEMP.	2°C	2°C	2°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 103 S= 101 E= W=	N= 104 S= 102 E= W=	N= 105 S= 103 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 105	PANEL LOCATION REFERENCE NUMBER 106	PANEL LOCATION REFERENCE NUMBER 107
PANEL/ROLL NUMBER	228452-10	228452-10	N#
DEPLOYMENT LENGTH	17.5m	19m	19m
AMBIENT AIR TEMP.	2°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 106 S= 104 E= W=	N= 107 S= 105 E= W=	N= 108 S= 106 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 108	PANEL LOCATION REFERENCE NUMBER 109	PANEL LOCATION REFERENCE NUMBER 110
PANEL/ROLL NUMBER	227447-10	227447-10	227447-10
DEPLOYMENT LENGTH	19m	19m	19m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 109 S= 107 E= W=	N= 110 S= 108 E= W=	N= 111 S= 109 E= W=

SUBMITTED BY: Y.E
DATE: 12-Sep-2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 126 - 104
PROJECT TITLE: Sabollo Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile underlay and 60 mil UDPE textured overlay

DATE: 12-Sep-2011
SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 111	PANEL LOCATION REFERENCE NUMBER 112	PANEL LOCATION REFERENCE NUMBER 113
PANEL/ROLL NUMBER	227447-10	227447-10	227447-10
DEPLOYMENT LENGTH	19 m	19 m	19 m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 112 S= 110 E= W=	N= 113 S= 111 E= W=	N= 114 S= 112 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 114	PANEL LOCATION REFERENCE NUMBER 115	PANEL LOCATION REFERENCE NUMBER 116
PANEL/ROLL NUMBER	227447-10	228453-10	228453-10
DEPLOYMENT LENGTH	19 m	19 m	19 m
AMBIENT AIR TEMP.	4°C	4°C	4°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 116 S= 113 E= W=	N= 116 S= 114 E= W=	N= 117 S= 115 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: 12-Sep-2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 126-104 PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile underlay and LLDPE 60mil overlay DATE: 13-Sep-2011

SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT: Spreader Bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 117	PANEL LOCATION REFERENCE NUMBER 118	PANEL LOCATION REFERENCE NUMBER 119
PANEL/ROLL NUMBER	228453-10	228453-10	228453-10
DEPLOYMENT LENGTH	19m	19m	19m
AMBIENT AIR TEMP.	0°C	0°C	0°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 118 S= 116 E= W=	N= 119 S= 117 E= W=	N= 120 S= 118 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 120	PANEL LOCATION REFERENCE NUMBER 121	PANEL LOCATION REFERENCE NUMBER 122
PANEL/ROLL NUMBER	228453-10	228453-10	228453-10
DEPLOYMENT LENGTH	19m	19m	19m
AMBIENT AIR TEMP.	0°C	2°C	2°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 124 S= 119 E= W=	N= 122 S= 120 E= W=	N= 123 S= 121 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 123	PANEL LOCATION REFERENCE NUMBER 124	PANEL LOCATION REFERENCE NUMBER 125
PANEL/ROLL NUMBER	227337-10	227337-10	227337-10
DEPLOYMENT LENGTH	19m	19m	19m
AMBIENT AIR TEMP.	2°C	2°C	3°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 124 S= 122 E= W=	N= 125 S= 123 E= W=	N= 126 S= 124 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 126	PANEL LOCATION REFERENCE NUMBER 127	PANEL LOCATION REFERENCE NUMBER 128
PANEL/ROLL NUMBER	227337-10	227337-10	227337-10
DEPLOYMENT LENGTH	19m	19m	19m
AMBIENT AIR TEMP.	3°C	3°C	3°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	6"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 127 S= 125 E= W=	N= 128 S= 126 E= W=	N= 129 S= 127 E= W=

SUBMITTED BY: Y.E

DATE: 13-Sep-2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 120 - 104
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of geotextile underlay and LLDPE 60mil over lay

DATE: Sep - 13 - 2011
SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 129	PANEL LOCATION REFERENCE NUMBER 130	PANEL LOCATION REFERENCE NUMBER 131
PANEL/ROLL NUMBER	227337-10	N#	N#
DEPLOYMENT LENGTH	19 m	19 m	19.0m
AMBIENT AIR TEMP.	3°c	3°c	3°c
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	6"	6"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= 130 S= 128 E= W=	N= 131 S= 129 E= W=	N= 132 S= 130 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 132	PANEL LOCATION REFERENCE NUMBER 133	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	N#	227337-10	
DEPLOYMENT LENGTH	15.5 m	10.0 m	
AMBIENT AIR TEMP.	3°c	3°c	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	6"	6"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N=133 S= 131 E= W=	N= S= 132 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E
DATE: Sep 17, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF 1	9:25	BM
TF 2	9:30	0.0

SHEET NUMBER: 1

DATE: Sep 9, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
77/78	EEOS	-WEOS	16:29	6°C	0.0	70%	850°F	-	16.5m		Y.E			
78/79	EEOS	-WEOS	16:25	6°C	B.M	70%	850°F	-	16.5m		Y.E			
79/80	EEOS	-WEOS	16:38	6°C	0.0	70%	850°F	-	16.5m		Y.E			
80/81	EEOS	-WEOS	16:30	6°C	B.M	70%	850°F	-	16.5m		Y.E			
81/82	EEOS	-WEOS	16:55	6°C	0.0	70%	850°F	-	16.5m		Y.E			
82/83	EEOS	-WEOS	16:55	6°C	B.M	70%	850°F	-	16.5m		Y.E			
83/84	EEOS	-WEOS	17:07	6°C	0.0	70%	850°F	-	16.5m		Y.E			
84/85	EEOS	-WEOS	17:00	6°C	B.M	70%	850°F	-	16.5m		Y.E			
85/86	EEOS	-WEOS	17:15	6°C	B.M	70%	850°F	-	16.5m		Y.E			
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	139.5m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sep 9, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	TX1	14:00	Y.E
✓ EXTRUSION			
____ SOLVENT			

SHEET NUMBER: 1

DATE: Sep 10, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS From Liner 2010	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
Tie-in 78/86	EOS	-NEOS	14:15	5°	Y.E	530°F	515°F	-	63m			From Panel 10 To 19		
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL		63m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: Sep 10, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF3	7:21	B.M
TF4	7:30	O.O

SHEET NUMBER: 2

DATE: 11 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE 2011	NON-DESTRUCTIVE CHECKED BY
86/87	EEOS	-WEOS	8:25	4°C	0.0	70%	850 °F	-	15.5	DS#1	Y.E		14-Sep	Y.E
87/88	EEOS	-WEOS	8:30	4°C	B.M	70%	850°F	-	15.5		Y.E			
88/89	EEOS	-WEOS	8:47	4°C	0.0	70%	850°F	-	15.5		Y.E			
89/90	EEOS	-WEOS	8:48	4°C	B.M	70%	850°F	-	15.5		Y.E			
90/91	EEOS	-WEOS	8:55	4°C	0.0	70%	850°F	-	15.5		Y.E			
91/92	EEOS	-WEOS	8:50	4°C	B.M	70%	850°F	-	15.5		Y.E			
92/93	EEOS	-WEOS	9:05	4°C	0.0	70%	850°F	-	17.5		Y.E			
93/94	EEOS	-WEOS	9:03	4°C	B.M	70%	850°F	-	17.5		Y.E			
94/95	EEOS	-WEOS	9:32	4°C	0.0	70%	850°F	-	17.5		Y.E			
95/96	EEOS	-WEOS	9:37	4°C	B.M	70%	850°F	-	17.5		Y.E			
96/97	EEOS	-WEOS	9:55	4°C	0.0	70%	850°F	-	17.5	DS#2	Y.E		14-Sep	Y.E
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 11 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 176-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF3	7:21	BM

SHEET NUMBER: 3

DATE: 11 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
97/98	EEOS	-WEOS	9:55	4°C	BM	70%	850°F	-	17.5		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	198 m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 11 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12c - 104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
✓ FUSION	TFS	7:30	BM
EXTRUSION	TF6	14:48	BM
SOLVENT			

SHEET NUMBER: 4

DATE: 12 Sep 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
98/99	EEOS	-WEOS	8:58	0°C	BM	65%	850°F	-	17.5m		Y.E			
99/100	EEOS	-WEOS	9:15	2°C	BM	65%	850°F	-	17.5m		Y.E			
100/101	EEOS	-WEOS	9:35	2°C	BM	65%	850°F	-	17.5m		Y.E			
101/102	EEOS	-WEOS	9:50	2°C	BM	65%	850°F	-	17.5m		Y.E			
102/103	EEOS	-WEOS	10:07	2°C	BM	65%	850°F	-	17.5m		Y.E			
103/104	EEOS	-WEOS	10:30	2°C	BM	65%	850°F	-	17.5m		Y.E			
104/105	EEOS	-WEOS	10:45	2°C	BM	65%	850°F	-	17.5m		Y.E			
105/106	EEOS	-WEOS	11:05	3°C	BM	65%	850°F	-	17.5m		Y.E			
106/107	EEOS	-WEOS	11:25	3°C	BM	65%	850°F	-	19.0m	DS#3	Y.E		14-Sep	Y.E
107/108	EEOS	-WEOS	15:10	4°C	BM	65%	850°F	-	19.0m		Y.E			-
108/109	EEOS	-WEOS	15:30	4°C	BM	65%	850°F	-	19.0m		Y.E			
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 12 Sep 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 17 C - 104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

✓ FUSION

____ EXTRUSION

____ SOLVENT

NO.	TIME	TECH ID
TFS	7:30	BM
TF6	14:48	BM

SHEET NUMBER: 6

DATE: 12 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE 2011	NON-DESTRUCTIVE CHECKED BY
109/110	EEOS	-WEOS	15:45	4°C	BM	65%	850°F	-	19.0m		Y.E			
110/111	EEOS	-WEOS	16:00	4°C	BM	65%	850°F	-	19.0m		Y.E			
111/112	EEOS	-WEOS	16:15	4°C	BM	65%	850°F	-	19.0m		Y.E			
112/113	EEOS	-WEOS	16:25	4°C	BM	65%	850°F	-	19.0m		Y.E			
113/114	EEOS	-WEOS	16:40	4°C	BM	65%	850°F	-	19.0m		Y.E			
114/115	EEOS	-WEOS	17:00	4°C	BM	65%	850°F	-	19.0m		Y.E			
115/116	EEOS	-WEOS	17:15	4°C	BM	65%	850°F	-	19.0m	DS#4	Y.E		14-Sep	Y.E
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	333 m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y. E

DATE: 12 Sep 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Norwest

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF 7	6:47	BM
TF 8	13:55	BM

SHEET NUMBER: 6

DATE: 13 - Sep - 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
116/117	EEOS - WEOS		8:50	0°C	BM	60%	860°F	-	19m					
117/118	EEOS - WEOS		9:00	0°C	BM	60%	860°F	-	19m					
118/119	EEOS - WEOS		9:15	0°C	BM	60%	860°F	-	19m					
119/120	EEOS - WEOS		9:30	0°C	BM	60%	860°F	-	19m					
120/121	EEOS - WEOS		9:45	2°C	BM	60%	860°F	-	19m					
121/122	EEOS - WEOS		9:55	2°C	BM	60%	860°F	-	19m					
122/123	EEOS - WEOS		10:40	2°C	BM	60%	860°F	-	19m					
123/124	EEOS - WEOS		10:55	2°C	BM	60%	860°F	-	19m					
124/125	EEOS - WEOS		11:15	3°C	BM	60%	860°F	-	19m	DS#5	Y.E		14-Sep	Y.E
125/126	EEOS - WEOS		11:46	3°C	BM	60%	860°F	-	19m					
126/127	EEOS - WEOS		14:00	3°C	BM	60%	860°F	-	19.m					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 13 - Sep - 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126 - 104

PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

✓ FUSION

_____ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TF7	6:47	BM
TF8	13:55	BM

SHEET NUMBER: 7

DATE: 13 Sep - 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
127 / 128	EEOS	- WEOS	14:15	3°C	BM	60%	850°F	-	19m		Y.E			
128 / 129	EEOS	- WEOS	14:30	3°C	BM	60%	850°F	-	19m		Y.E			
129 / 130	EEOS	- WEOS	15:00	3°C	BM	60%	850°F	-	19m		Y.E			
130 / 131	EEOS	- WEOS	15:15	3°C	BM	60%	850°F	-	19m		Y.E			
131 / 132	EEOS	- WEOS	15:30	3°C	BM	60%	850°F	-	16.5m		Y.E			
132 / 133	EEOS	- WEOS	15:45	3°C	BM	60%	860°F	-	10.5m	DD #6	Y.E		14 Sep 2011	Y.E
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 13 · Sep · 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

_____ FUSION

✓ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TX 2	17: 13	Y.E
TX 3	19: 27	Y.E

SHEET NUMBER: 2

DATE: Sep 13, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN 86/93	SEOS	NEOS	17:20	3°C	Y.E	510°F	510°F	-	49m	Y.E		Refer to Drawings		
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	49m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 13 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 121 - 104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
FUSION			
✓ EXTRUSION	TX4	13:30	Y.E
SOLVENT			

SHEET NUMBER: 3

DATE: 14 Sep 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN 93/110	SE03	NE03	13:40	7°C	Y.E	500°F	500°F	-	119m		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	119m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 14 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Nunavut Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
____ FUSION	Tx 5	6:45	Y.E
✓ EXTRUSION	Tx 6	13:00	Y.E
____ SOLVENT			

SHEET NUMBER: 4

DATE: 15 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN 110 / 123	EOS	NEOS	7:45	9°C	Y.E	600°F	600°F	—	70 m		Y.E			
TIE-IN 123 / 130	EOS	NEOS	13:45	10°C	Y.E	600°F	600°F	-	70 m		Y.E			
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL		140 m					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 15 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Sabuk Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

_____ FUSION

__✓__ EXTRUSION

_____ SOLVENT

NO.	TIME	TECH ID
TK7	10:00 am	Y.E

SHEET NUMBER: 5

DATE: 22 /Sep 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
TIE-IN 133/133	EOS	-NEOS	13:00	10°C	Y.E	520°F	520°F	-	21 m	DS#2	Y.E		26 Sep	Y.E
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
							DAILY TOTAL		21 m					

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: Y.E

DATE: 26 /Sep. 2011

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mine **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **SHEET NUMBER:** 1

✓ **TF - # FUSION** _____ **TX - # = EXTRUSION** _____ **TS - # = SOLVENT**

SAMPLE NUMBER	APPROX. TIME & DATE 2011	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE / STRENGTH	OUTSIDE PEEL MODE / STRENGTH	SHEAR MODE / STRENGTH			
TF1	09-Sep 9:25	1778	BM	6°	70%		850°F	132/ 125/ 122 / 114/ 131/	138/ 121/ 133 / 124/ 126/	170 / / 175	✓	Y.E	
TF2	09-Sep 9:30	1824	0.0	6°	70%		850°F	130/ 129/ 122 / 125/ 139/	124/ 125/ 128 / 127/ 138/	172 / / 170	✓	Y.E	
TF3	11-Sep 7:21	1778	BM	4°	70%		850°F	130/ 135/ 138 / 139/ 125/	135/ 130/ 132 / 135/ 130/	185/ / 180	✓	Y.E	
TF4	11-Sep 7:30	1824	0.0	4°	70%		850°F	145/ 138/ 134 / 135/ 130/	140/ 138/ 145 / 138/ 132/	175/ / 178	✓	Y.E	
TF5	12-Sep 7:30	1778	BM	0°	65%		850°F	151/ 143/ 140 / 148/ 142/	150/ 140/ 151 / 143/ 149/	187 / / 180	✓	Y.E	
TF6	12-Sep 14:48	1778	BM	4°C	65%		850°F	131/ 133/ 145 / 138/ 146/	139/ 130/ 130 / 143/ 131/	179/ / 172	✓	Y.E	
TF7	13-Sep 6:47	1778	BM	0°C	60%		850°F	145/ 155/ 141 / 145/ 149/	135/ 148/ 148 / 150/ 153/	186 / / 185	✓	Y.E	
TF8	13-Sep 13:65	1778	BM	3°C	60%		850°F	150/ 145/ 139 / 145/ 135/	145/ 148/ 140 / 142/ 139/	179/ / 181	✓	Y.E	
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			
								/ / / / / / / /	/ / / / / / / /	/ /			

LS FORM 3 LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: Y.E

DATE: Sep 13 2011

LAYFIELD

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **SHEET NUMBER:** 2

____ TF - # FUSION ✓ TX - # = EXTRUSION ____ TS - # = SOLVENT

SAMPLE NUMBER	APPROX. TIME & DATE 2011	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS			PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE / STRENGTH	OUTSIDE PEEL MODE / STRENGTH	SHEAR MODE / STRENGTH			
TX1	10-Sep 14:00		Y.E	5°C	530°F	515°F	—	148 / 145 / 140 / / / / 139 / 140 / / / /		187 / / / 180	✓	Y.E	
TX2	18-Sep 17:15	ESL 21 PX	Y.E	3°C	510°F	510°F	—	129 / 127 / 122 / / / / 128 / 128 / / / /		166 / / / 156	✓	Y.E	
TX3	13-Sep 19:27		Y.E	5°C	530°F	530°F	—	139 / 129 / 122 / / / / 140 / / / / /		163 / / / 168	✓	Y.E	
TX4	14-Sep 13:30	ESL 21 PX	Y.E	7°C	500°F	500°F	—	130 / 132 / 129 / / / / 128 / / / / /		158 / / / 166	✓	Y.E	
TX5	15-Sep 6:45	ESL 21 PX	Y.E	9°C	500°F	500°F	—	128 / 122 / 144 / / / / 140 / 127 / / / /		156 / / / 156	✓	Y.E	
TX6	15-Sep 13:00	ESL 21 PX	Y.E	10°C	500°F	500°F	—	131 / 127 / 145 / / / / 137 / 129 / / / /		162 / / / 170	✓	Y.E	
TX7	16 Sep 7:45	ESL 21 PX	Y.E	10°C	520°F	520°F	—	122 / 125 / 130 / / / / 132 / / / / /		170 / / / 178	✓	Y.E	
TX8	22 Sep 10:20	ESL 21 PX	Y.E	10°C	520°F	520°F	—	142 / 131 / 137 / / / / 150 / / / / /		160 / / / 163	✓	Y.E	
TX9	24 Sep 8:10	ESL 21 PX	Y.E	5°C	530°F	520°F	—	133 / 135 / 127 / / / / 138 / 143 / / / /		155 / / / 159	✓	Y.E	
TX10	25 Sep 7:30	ESL 21 PX	Y.E	0°C	530°F	520°F	—	120 / 131 / 136 / / / / 123 / / / / /		180 / / / 178	✓	Y.E	Saddle Dam 1 Repairs
								/ / / / / / / /		/ / / /			

LS FORM 3 LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: Y.E

DATE: 26 Sep 2011

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **DATE:** 17 Sep 2011

VACUUM BOX ✓ **AIR LANCE** _____ **SHEET NUMBER:** 1

SEAMS									REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM	TO	2011 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO	YES	CHK'D BY	REMARKS **	DEFECT CODE	2011 TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
78/86	SEOS	-NEOS	17-09	BM			✓	Y.E	Tie-in Extrusion	1A	17 Sep	BM	BX	Y.E	
86/93	SEOS	-NEOS	17-09	BM			✓	Y.E	Tie-in Extrusion	1B	"	"	BX	"	
93/110	SEOS	-NEOS	17-09	BM			✓	Y.E	Tie-in Extrusion	1C	"	"	BX	"	
110/123	SEOS	-NEOS	17-09	BM			✓	Y.E	Tie-in Extrusion	1D	"	"	BX	"	
123/130	SEOS	-NEOS	17-09	BM			✓	Y.E	Tie-in Extrusion	1E	"	"	BX	"	
	-									1F	"	"	BX	"	
	-									1G	"	"	BX	"	
	-									1H	"	"	BX	"	
	-									1I	"	"	DS#1	"	
	-									1J	"	"	BA	"	
	-									1K	"	"	BX	"	
	-									1L	"	"	BX	"	
	-									1M	"	"	BX	"	
	-									1N	"	"	BX	"	
	-									1O	"	"	BX	"	
	-									1P	"	"	MD	"	
	-									1Q	"	"	BX	"	
	-									1R	"	"	BX	"	
	-									1S	24 Sep	0.0	SI	"	
	-														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Y.E

DATE: 26 Sep, 2011

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

DATE: 10 Sep 2011

SHEET NUMBER: 1

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
77 / 78	WEOS	EEOS	BM	45PSI:	44 PSI	19:50	19:55	PASS	-	✓	Y.E	
78 / 79	WEOS	EEOS	BM	45PSI:	44 PSI	19:52	19:57	PASS	-	✓	Y.E	
79 / 80	WEOS	EEOS	BM	45 PSI:	46 PSI	19:46	19:51	PASS	-	✓	Y.E	
80 / 81	WEOS	EEOS	BM	45 PSI	45 PSI	19:47	19:52	PASS	-	✓	Y.E	
81 / 82	WEOS	EEOS	BM	45 PSI	44 PSI	19:48	19:53	PASS	-	✓	Y.E	
82 / 83	WEOS	EEOS	BM	45 PSI	45 PSI	19:49	19:54	PASS	-	✓	Y.E	
83 / 84	WEOS	EEOS	BM	45 PSI	45 PSI	19:50	19:55	PASS	-	✓	Y.E	
84 / 85	WEOS	EEOS	BM	45 PSI	45 PSI	19:51	19:56	PASS	-	✓	Y.E	
85 / 86	WEOS	EEOS	BM	45 PSI	45 PSI	19:55	20:00	PASS	-	✓	Y.E	
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: 10 Sep, 2011

SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 126-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

DATE: 15 Sep 2011

SHEET NUMBER: 2

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
86 / 87	WEOS	- EEOS	0.0	42 psi	41	14:33	14:38	✓	-	✓	Y.E	
87 / 88	WEOS	- EEOS	0.0	40	39	14:33	14:38	✓	-	✓	Y.E	
88 / 89	WEOS	- EEOS	0.0	44	43	14:35	14:40	✓	-	✓	Y.E	
89 / 90	WEOS	- EEOS	0.0	42	42	15:03	15:08	✓	-	✓	Y.E	
90 / 91	WEOS	- EEOS	0.0	43	43	14:46	14:51	✓	-	✓	Y.E	
91 / 92	WEOS	- EEOS	0.0	41	40	14:58	15:03	✓	-	✓	Y.E	
92 / 93	WEOS	- EEOS	0.0	41	41	15:08	15:13	✓	-	✓	Y.E	
93 / 94	WEOS	- EEOS	0.0	41	40	15:11	15:16	✓	-	✓	Y.E	
94 / 95	WEOS	- EEOS	0.0	41	40	15:13	15:18	✓	-	✓	Y.E	
95 / 96	WEOS	- EEOS	0.0	42	42	15:24	15:29	✓	-	✓	Y.E	
96 / 97	WEOS	- EEOS	0.0	42	41	15:25	15:30	✓	-	✓	Y.E	
97 / 98	WEOS	- EEOS	0.0	45	44	15:28	15:33	✓	-	✓	Y.E	
98 / 99	WEOS	- EEOS	0.0	43	42	15:30	15:35	✓	-	✓	Y.E	
99 / 100	WEOS	- EEOS	0.0	42	41	15:32	15:37	✓	-	✓	Y.E	
100 / 101	WEOS	- EEOS	0.0	42	41	15:37	15:42	✓	-	✓	Y.E	
101 / 102	WEOS	- EEOS	0.0	40	40	15:45	15:50	✓	-	✓	Y.E	
102 / 103	WEOS	- EEOS	0.0	40	39	15:55	16:00	✓	-	✓	Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sep 17 2011

SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

DATE: 15 Sep 2011
SHEET NUMBER: 3

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
103 /104	WEOS - EEOS	0.0	43 : 42	15:57 : 16:02	✓	- ✓		
104 /105	WEOS - EEOS	0.0	40 : 39	16:02 : 16:07	✓	- ✓		
105 /106	WEOS - EEOS	0.0	45 : 44	16:11 : 16:16	✓	- ✓		
106 /107	WEOS - EEOS	0.0	42 : 41	16:18 : 16:23	✓	- ✓		
107 /108	WEOS - EEOS	0.0	42 : 41	16:20 : 16:25	✓	- ✓		
108 /109	WEOS - EEOS	0.0	43 : 41	16:28 : 16:33	✓	- ✓		
109 /110	WEOS - EEOS	0.0	40 : 39	16:30 : 16:35	✓	- ✓		
110 /111	WEOS - EEOS	0.0	40 : 40	16:34 : 16:39	✓	- ✓		
111 /112	WEOS - EEOS	0.0	42 : 41	16:42 : 16:47	✓	- ✓		
112 /113	WEOS - EEOS	0.0	43 : 42	16:44 : 16:49	✓	- ✓		
113 /114	WEOS - EEOS	0.0	43 : 41	16:49 : 16:54	✓	- ✓		
114 /115	WEOS - EEOS	0.0	45 : 44	16:50 : 16:55	✓	- ✓		
115 /116	WEOS - EEOS	0.0	43 : 42	16:52 : 16:57	✓	- ✓		
116 /117	WEOS - EEOS	0.0	43 : 42	16:53 : 16:58	✓	- ✓		
117 /118	WEOS - EEOS	0.0	41 : 41	17:00 : 17:05	✓	- ✓		
118 /119	WEOS - EEOS	0.0	42 : 41	17:02 : 17:07	✓	- ✓		
119 /120	WEOS - EEOS	0.0	43 : 42	17:05 : 17:10	✓	- ✓		

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.
** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: Sep 17. 2011
SUBMITTED BY: Y. E

LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 126-10W
PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

DATE: 15 Sep 2011
SHEET NUMBER: 4

SEAM NUMBER	SEAM SECTION * FROM	TO	TECH. ID	PRESSURE START	FINISH	TIME START	FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO	YES	CHECKED BY	REMARKS **
120/121	WEOS	EEOS	0.0	43	42	17:08	17:13	✓	-	✓	Y.E	
121/122	WEOS	EEOS	0.0	43	42	17:11	17:16	✓	-	✓	Y.E	
122/123	WEOS	EEOS	0.0	43	43	17:10	17:15	✓	-	✓	Y.E	
123/124	WEOS	EEOS	0.0	43	42	17:18	17:23	✓	-	✓	Y.E	
124/125	WEOS	EEOS	0.0	44	43	17:19	17:24	✓	-	✓	Y.E	
125/126	WEOS	EEOS	0.0	40	40	17:21	17:26	✓	-	✓	Y.E	
126/127	WEOS	EEOS	0.0	43	42	17:22	17:27	✓	-	✓	Y.E	
127/128	WEOS	EEOS	0.0	43	41	17:26	17:31	✓	-	✓	Y.E	
128/129	WEOS	EEOS	0.0	43	43	17:28	17:33	✓	-	✓	Y.E	
129/130	WEOS	EEOS	0.0	45	44	17:43	17:48	✓	-	✓	Y.E	
130/131	WEOS	EEOS	0.0	40	40	17:44	17:49	✓	-	✓	Y.E	
131/132	WEOS	EEOS	0.0	40	39	17:45	17:50	✓	-	✓	Y.E	
132/133	WEOS	EEOS	0.0	40	40	17:46	17:51	✓	-	✓	Y.E	
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			
/	-			:		:			-			

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.
** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: 17 Sep 2011
SUBMITTED BY: Y.E

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS #1
SEAM NUMBER: P-86/87
SAMPLE LOCATION: WEOS
DATE SEAMED / SAMPLED: Sep 11, 2011
TYPE OF SEAM: Fusion

TEST DATE: 14 Sep 2011
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ✓ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	172	SE1	2	131	SE1	139	SEI
3	164	SE1	4	140	SE1	159	SE1
5	159	SE1	6	138	SE1	141	SE1
7	175	SE1	8	135	SE1	132	SE1
9	173	SE1	10	140	SE1	136	SE1
11			12		SE1		

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ____ FAIL ____

NOTES: ____

CHECKED BY: Y. G
DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS #2
SEAM NUMBER: 92-96
SAMPLE LOCATION: WEDS
DATE SEAMED / SAMPLED: 11 Sep, 2011
TYPE OF SEAM: FUSION

TEST DATE: 14 Sep 2011
ARCHIVE _____ LAYFIELD ✓ OWNER _____ ENGINEER
3RD PARTY ✓ YES _____ NO _____ WHO?
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	168	SE1	2	134	SE1	130	SE1
3	181	SE1	4	136	SE1	141	SE1
5	171	SE1	6	135	SE1	138	SE1
7	180	SE1	8	135	SE1	137	SE1
9	183	SE1	10	140	SE1	145	SE1
11		S	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y.E
DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 3

DESTRUCTIVE TEST NUMBER*: DS #3
SEAM NUMBER: 106 - 107
SAMPLE LOCATION: WEOS
DATE SEAMED / SAMPLED: 12 Sep 2011
TYPE OF SEAM: Fusion

TEST DATE: 14 Sep 2011
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY ✓ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	162	SE1	2	150	SE1	129	SE1
3	163	SE1	4	143	SE1	134	SE1
5	161	SE1	6	145	SE1	123	SE1
7	170	SE1	8	146	SE1	125	SE1
9	161	SE1	10	151	SE1	130	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: V.E

DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 4

DESTRUCTIVE TEST NUMBER*: DS #4
SEAM NUMBER: 115 - 116
SAMPLE LOCATION: WE05
DATE SEAMED / SAMPLED: 12 Sep, 2011
TYPE OF SEAM: Fusion

TEST DATE: 14 Sep, 2011
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY ✓ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	180	SE1	2	153	SE1	154	SE1
3	182	SE1	4	153	SE1	130	SE1
5	175	SE1	6	151	SE1	127	SE1
7	178	SE1	8	153	SE1	130	SE1
9	173	SE1	10	149	SE1	138	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E

DATE: 18 Sep 2011

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 5

DESTRUCTIVE TEST NUMBER*: DS# 5
SEAM NUMBER: 124-125
SAMPLE LOCATION: WEOS
DATE SEAMED / SAMPLED: 13 Sep 2011
TYPE OF SEAM: FUSION

TEST DATE: 14 Sep, 2011
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ✓ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	177	SE1	2	144	SE1	130	SE1
3	170	SE1	4	144	SE1	135	SE1
5	172	SE1	6	147	SE1	139	SE1
7	178	SE1	8	140	SE1	139	SE1
9	175	SE1	10	147	SE1	135	SE1
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y. E
DATE: 18 Sep, 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 6

DESTRUCTIVE TEST NUMBER*: DS#6
SEAM NUMBER: 132 - 133
SAMPLE LOCATION: WE05
DATE SEAMED / SAMPLED: 13 Sep - 2011
TYPE OF SEAM: FUSION

TEST DATE: 14 Sep 2011
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY ✓ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	170		2	142		135	
3	172		4	143		135	
5	171		6	143		127	
7	172		8	140		128	
9	168		10	146		135	
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y.C
DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS#1
SEAM NUMBER: T.E 93/110 N
SAMPLE LOCATION: 5m North of S-78/99
DATE SEAMED / SAMPLED: 18 Sep 2011
TYPE OF SEAM: Extrusion

TEST DATE: 18 Sep 2011
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ✓ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	168	SE1	2	132	SE1		
3	165	SE1	4	132	SE1		
5	171	SE1	6	135	SE1		
7	165	SE1	8	144	SE1		
9	167	SE1	10	138	SE1		
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: ____

LPL: PASS ✓ FAIL ____

3RD PARTY / LAB: PASS ____ FAIL ____

CHECKED BY: Y.C
DATE: 18 Sep 2011

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 170-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DST#2
SEAM NUMBER: 130 / 133 (TIE-IN)
SAMPLE LOCATION: 21 m from 3E03 to 2E03
DATE SEAMED / SAMPLED: 24 / Sep 2011
TYPE OF SEAM: Extrusion

TEST DATE: Sep 26 2011
ARCHIVE ____ LAYFIELD ✓ OWNER ____ ENGINEER
3RD PARTY ✓ YES ____ NO ____ WHO?
DATE FORWARDED TO LAB ____
DATE LAB TEST RESULTS REC'D ____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	150	SE1	2	128	ES1		
3	160	SE1	4	146	ES1		
5	165	SE1	6	135	ES1		
7	158	SE1	8	130	ES1		
9	158	SE1	10	147	ES1		
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL ____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS ____ FAIL ____

NOTES: ____

CHECKED BY: Y.E
DATE: Sep 26 2011

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 17C-104 **PROJECT TITLE:** Saddle Dam 2

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **SHEET NUMBER:** 1

DEFECT CODE	LOG DATE 2011	DEFECT LOCATION: SEAM OR PANEL NO.	DEFECT LOCATION: DESCRIPTION	DEFECT TYPE	REPAIR TYPE	WELD TECH. 2011	REPAIR DATE 2011	REMARKS **	TEST DATE 2011	CHECKED BY
1A	26 Sep	S 77-78	15.5m EEOS	BX	P GW		15-Sep			
1B	26 Sep	S 77-78	4m From 1A NORTH	BX	P GW			Along Tie-in		
1C	26 Sep	S 81-85	17.5m EEOS	BX	P GW					
1D	26 Sep	P-85	64m From NORTH 1B	BX	P GW			Along Tie-IN		
1E	26 Sep	S-93-94 EEOS	7.4m NORTH along tie-in	BX	PGW					
1F	26 Sep	96-97	17.5m EEOS	BX	PGW					
1G	26 Sep	P. 97	1.8m NORTH 1F	DX	PGW					
1H	26 Sep	S-97-98	12.5m EEOS	BX	PGW					
1I	26 Sep	P. 99	4m North of S 98/99	DS#1	PGW		15-Sep	Along Tie-in Extension DS	18 Sep	Y.E
1J	26 Sep	S-106-107 EEOS	3m North along Tie-in	BX	PGW		16-Sep			
1K	26 Sep	S-107-108	19m EEOS	BX	PGW					
1L	26 Sep	P-109	3.6m From NORTH-1K	BX	C GW			4m x .3cm		
1M	26 Sep	S-111-112 EEOS	.3m South Along tie-in	BX	PGW					
1N	26 Sep	S-114-115 EEOS	6.5m NORTH Alon tie-in	BX	PGW					
1O	26 Sep	S 115-116 EEOS	1mm North Alon tie-in	BX	PGW					
1P	26 Sep	P-117 S-116-117, 18m WEOS to EEOS 3.8m NORTH		MD	PGW					
1Q	26 Sep	S 117-118 EEOS	5m NORTH along tie-in	BX	PGW					
1R	26 Sep	S 122-123 EEOS	1.8m NORTH along tie-in	BX	PGW					
1S	26 Sep	P. 65-66-67	16.5m x .3m Extension weld 4mm x 12.5m	SI	CGW	Y.E	24 Sep	Extension of liner at North end		

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; BX OTHER: Bubbles on tie extension weld

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX5	6:45	Y.E
TX6	13:00	Y.E
TX7	7:45	Y.E
TX8		

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: Y.E

DATE: 26 Sep 2011

No.	Revisions	Date (MM/DD/YY)	By

P-77 P-78 P-79 P-80 P-81 P-82 P-83 P-84 P-85 P-86 P-87 P-88 P-89 P-90 P-91 P-92 P-93 P-94 P-95 P-96 P-97 P-98 P-99 P-100 P-101 P-102 P-103 P-104 P-105 P-106

1A 1B 1C 1D 1E 1F 1G 1H 1I

P-10 P-11 P-12 P-13 P-14 P-15 P-16 P-17 P-18 P-19 P-20 P-21 P-22 P-23 P-24 P-25 P-26 P-27 P-28 P-30 P-31 P-32 P-33 P-34 P-35 P-36 P-37 P-38 P-39 P-40

P-107 P-108 P-109 P-110 P-111 P-112 P-113 P-114 P-115 P-116 P-117 P-118 P-119 P-120 P-121 P-122 P-123 P-124 P-125 P-126 P-127 P-128 P-129 P-130 P-131 P-132 P-133 (Extension)

1J 1K 1L 1M 1N 1O 1P 1Q 1R

P-41 P-42 P-43 P-44 P-45 P-46 P-47 P-48 P-49 P-50 P-51 P-52 P-53 P-54 P-55 P-56 P-57 P-58 P-59 P-60 P-61 P-62 P-63 P-64 P-65 1S P-66 P-67

N

LEGEND

- Extent of Liner
- Toe of Slope
- Liner Field Seam
- XXX Extrusion Welding
- △ Patch
- P2 Panel Number
- 1A Repair Number

PROJECT NAME
Saddle Dam 2

MATERIAL TYPE
60 mil LLDPE Textured

LAYFIELD
ENVIRONMENTAL SYSTEMS LTD.

Quote No.	PROJECT No. 12C-104
DWG: 1 OF 1	SCALE:
DWN:	CHKD: / APPD:
DATE: 24 Sep, 11	REVISION:

LAYFIELD

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: storm Water Dike
PROJECT NUMBER: 171-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The slope of storm water Dike it is ready to install PGM. The floor was very wet and a lot's mud due to Rain.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 18 Sep 2011
Signature: Expindola Hernandez Yanetza
Name: Yanetza Expindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: 25-Sep 2011
Signature:
Name: Thomas Lepage
Title: ING
Company: AEM

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Storm Water Dike
PROJECT NUMBER: 171-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The slope of storm water Dike it is ready to install PCM. The floor was very wet and a lot's mud due to Rain.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 19 Sep 2011
Signature: Yander Espindola Hernandez Yander
Name: Yander Espindola
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: 25-Sep 2011
Signature:
Name: Thomas Lepage
Title: ING
Company: AEM

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: Sep-18-2011
SHEET NUMBER: 1

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 242	PANEL LOCATION REFERENCE NUMBER 243	PANEL LOCATION REFERENCE NUMBER 244
PANEL/ROLL NUMBER	084	084	084
DEPLOYMENT LENGTH	4.1m x 19m	4.1m x 19m	4.1m x 19m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	2'	2'	2'
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= LLDP connection S= 243 E= W=	N= 242 S= 244 E= W=	N= 243 S= 245 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 245	PANEL LOCATION REFERENCE NUMBER 246	PANEL LOCATION REFERENCE NUMBER 247
PANEL/ROLL NUMBER	084	088	088
DEPLOYMENT LENGTH	4.1m x 19m	4.1m x 19m	4.1m x 19m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	2'	2'	2'
CHECKED BY	Y.E	Y.E	Y.E.
ADJACENT PANEL	N= 244 S= 246 E= W=	N= 245 S= 247 E= 254 W=	N= 246 S= 248, 252 253 E= 252, 254 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 248	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	088		
DEPLOYMENT LENGTH	4.1m x 11.5m		
AMBIENT AIR TEMP.	5°C		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	2'		
CHECKED BY	Y.E		
ADJACENT PANEL	N= 247 S= 249, 250 251 E= 252 W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: C.O
DATE: Sep-22-11

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Steam Water Dike

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: DATE: Sep-19-2011

SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 249	PANEL LOCATION REFERENCE NUMBER 250	PANEL LOCATION REFERENCE NUMBER 251
PANEL/ROLL NUMBER	088	088	086
DEPLOYMENT LENGTH	4.1m x 12m	4.1m x 12m	4.1m x 12m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	2'	2'	2'
CHECKED BY	4.E.	4.E.	4.E
ADJACENT PANEL	N= 248 S= E= 250 W=	N= 248 S= E= 251 W= 249	N= 248 S= E= 252 W= 250

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 252	PANEL LOCATION REFERENCE NUMBER 253	PANEL LOCATION REFERENCE NUMBER 254
PANEL/ROLL NUMBER	086	086	086
DEPLOYMENT LENGTH	4.1m x 15m	4.1m x 15m	4.1m x 18m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	2'	8"	8"
CHECKED BY	4.E.	4.E	4.E
ADJACENT PANEL	N= 247 S= E= 253 W= 251	N= 247 S= E= 254 W= 252	N= 246 S= E= 255, 256, 257 W= 248, 253, 247

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 255	PANEL LOCATION REFERENCE NUMBER 256	PANEL LOCATION REFERENCE NUMBER 257
PANEL/ROLL NUMBER	086	086	086
DEPLOYMENT LENGTH	4.1m x 4.5m	4.1m x 10m	4.1m x 4.5m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.E.	4.E.	4.E.
ADJACENT PANEL	N= 256 S= E= 258 W= 254	N= 257 S= 255 E= 258 W= 254	N= S= 256 E= 258 W= 254

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 258	PANEL LOCATION REFERENCE NUMBER 259	PANEL LOCATION REFERENCE NUMBER 260
PANEL/ROLL NUMBER	090	090	090
DEPLOYMENT LENGTH	4.1m x 18m	4.1m x 18m	4.1m x 18m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.E.	4.E.	4.E.
ADJACENT PANEL	N= S= E= 259 W= 255, 256, 257	N= S= E= 260 W= 258	N= S= E= 261 W= 259

SUBMITTED BY: O O

DATE: Sep-22-11

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Storm water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: SEP-19-2011
SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 261	PANEL LOCATION REFERENCE NUMBER 262	PANEL LOCATION REFERENCE NUMBER 263
PANEL/ROLL NUMBER	090	087	087
DEPLOYMENT LENGTH	4.1m x 18m	4.1m x 18m	4.1m x 21m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B	4.B	4.B
ADJACENT PANEL	N= S= E= 262 W= 260	N= S= E= 263 W= 261	N= S= 266 E= 264 W= 262

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 264	PANEL LOCATION REFERENCE NUMBER 265	PANEL LOCATION REFERENCE NUMBER 266
PANEL/ROLL NUMBER	087	087	072
DEPLOYMENT LENGTH	4.1m x 16.5m	4.1m x 12.5m	4.1m x 29m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B	4.B	4.B.
ADJACENT PANEL	N= S= 266 E= 265 W= 263	N= S= 266 E= 267 W= 264	N= 263, 264, 265, 267 S= 268, 269, 270, 272 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 267	PANEL LOCATION REFERENCE NUMBER 268	PANEL LOCATION REFERENCE NUMBER 269
PANEL/ROLL NUMBER	087	072	072
DEPLOYMENT LENGTH	4.1m x 7m	4.1m x 26m	4.1m x 15m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B	4.B.	4.B.
ADJACENT PANEL	N= S= 266 E= W= 265	N= 269 S= 270 E= W= 266	N= 266 S= 268 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 270	PANEL LOCATION REFERENCE NUMBER 271	PANEL LOCATION REFERENCE NUMBER 272
PANEL/ROLL NUMBER	NH	072	NH
DEPLOYMENT LENGTH	4.1m x 28m	4.1m x 24.5m	4.1m x 4.5m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B.	4.B.	4.B.
ADJACENT PANEL	N= 268 S= 271, 272 E= W=	N= 270 S= 273, 274 E= W= 272	N= 270 S= 274 E= 271 W=

SUBMITTED BY: O.O.
DATE: SEP-22-11

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker lake Nunavut
GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER
SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):
REMARKS: DATE: SEP-19-2011
SHEET NUMBER: 4
DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 273	PANEL LOCATION REFERENCE NUMBER 274	PANEL LOCATION REFERENCE NUMBER 275
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	4.1m x 8.5m	4.1m x 20m	4.1m x 30m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B	4.B	4.B.
ADJACENT PANEL	N= 271 S= 275 E= W=	N= 271, 272 S= 275 E= 273 W=	N= 273, 274 S= 276, 277 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 276	PANEL LOCATION REFERENCE NUMBER 277	PANEL LOCATION REFERENCE NUMBER 278
PANEL/ROLL NUMBER	084	N#	N#
DEPLOYMENT LENGTH	4.1m x 4m	4.1m x 27m	4.1m x 30m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B.	4.B	4.B
ADJACENT PANEL	N= 275 S= 278 E= 277 W=	N= 275 S= 278 E= W= 276	N= 276, 277 S= 279 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 279	PANEL LOCATION REFERENCE NUMBER 280	PANEL LOCATION REFERENCE NUMBER 281
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	4.1m x 30	4.1m x 11m	4.1m x 20.5m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B.	4.B	4.B.
ADJACENT PANEL	N= 278 S= 280, 281 E= W=	N= 279 S= 282 E= 281 W=	N= 279 S= 282 E= W= 280

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 282	PANEL LOCATION REFERENCE NUMBER 283	PANEL LOCATION REFERENCE NUMBER 284
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	4.1m x 32m	4.1m x 32m	4.1m x 23m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	4.B	4.B	4.B
ADJACENT PANEL	N= 280, 281 S= 283 E= W=	N= 282 S= 284, 285 E= W=	N= 283 S= 286, 287 E= 285 W=

SUBMITTED BY: O.O.
DATE: SEP-22-11

LAYFIELD

GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Storm water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: SEP 19-2011
SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 285	PANEL LOCATION REFERENCE NUMBER 286	PANEL LOCATION REFERENCE NUMBER 287
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	4.1m x 8m	4.1m x 12.5m	4.1m x 19m
AMBIENT AIR TEMP.	5°C	5°C	5°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	45	45	45
ADJACENT PANEL	N= 283 S= 286 E= W= 284	N= 284, 285 S= 288 E= W= 287	N= 284 S= 288 E= 286 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 288	PANEL LOCATION REFERENCE NUMBER 289	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	N#	N#	
DEPLOYMENT LENGTH	4.1m x 31m	4.1m x 31m	
AMBIENT AIR TEMP.	5°C	5°C	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	8"	8"	
CHECKED BY	45	45	
ADJACENT PANEL	N= 286, 287 S= 289 E= W=	N= 288 S= 290 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: O.O.
DATE: SEP-22-2011

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: SEP-20-2011
SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: CAT-345 with spreader bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 290	PANEL LOCATION REFERENCE NUMBER 291	PANEL LOCATION REFERENCE NUMBER 292
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 32m	5.1m x 32m	5.1m x 32m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 289 S= 291 E= W=	N= 290 S= 292 E= W=	N= 291 S= 293, 294 E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 293	PANEL LOCATION REFERENCE NUMBER 294	PANEL LOCATION REFERENCE NUMBER 295
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 12.5m	5.1m x 21m	5.1m x 33m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 292 S= 295 E= W= 294	N= 292 S= 295 E= 293 W=	N= 293, 294 S= 296, 297 E= 2009 BGM W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 296	PANEL LOCATION REFERENCE NUMBER 297	PANEL LOCATION REFERENCE NUMBER 298
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 22.5m	5.1m x 10.5m	5.1m x 27m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 295 S= 298 E= 2009 BGM W= 297	N= 299 S= 298, 299 E= 296 W=	N= 296, 297 S= 300 E= 2009 BGM W= 299

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 299	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	N#		
DEPLOYMENT LENGTH	5.1m x 7.0m		
AMBIENT AIR TEMP.	10°C		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	8"		
CHECKED BY	YB		
ADJACENT PANEL	N= 297 S= 300 E= 298 W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: O.O.
DATE: SEP 23-11

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines
CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake, Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS:

DATE: SEP 21-2011
SHEET NUMBER: 7

DEPLOYMENT EQUIPMENT: CAT-345 with Spreader bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 300	PANEL LOCATION REFERENCE NUMBER 301	PANEL LOCATION REFERENCE NUMBER 302
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 37m	5.1m x 24m	5.1m x 13m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= E98, 299 S= 301, 302 E= 2009 BGM W=	N= 300 S= 303 E= 2009 BGM W= 302	N= 300 S= 303 E= 301 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 303	PANEL LOCATION REFERENCE NUMBER 304	PANEL LOCATION REFERENCE NUMBER 305
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 37m	5.1m x 8m	5.1m x 29m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 301, 302 S= 304, 305 E= 2009 BGM W=	N= 303 S= 306 E= 2009 BGM W= 305	N= 303 S= 306, 307 E= 304 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 306	PANEL LOCATION REFERENCE NUMBER 307	PANEL LOCATION REFERENCE NUMBER 308
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 26m	5.1m x 12.5 m	5.1m x 14.5m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 304, 305 S= 308, 309 E= 2009 BGM W= 307	N= 304, 305 S= 309 E= 306 W=	N= 306 S= 310 E= 2009 BGM W= 309

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 309	PANEL LOCATION REFERENCE NUMBER 310	PANEL LOCATION REFERENCE NUMBER 311
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 24.5 m	5.1m x 39.5m	5.1m x 36m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	YB	YB	YB
ADJACENT PANEL	N= 306, 307 S= 310 E= 308 W=	N= 308, 309 S= 311, 312 E= 2009 BGM W=	N= 310 S= 313, 314 E= 2009 BGM W= 312

SUBMITTED BY: OO
DATE: 23-SEP-11

LAYFIELD GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY (PRIMARY) CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: DATE: SEp-21-2011

SHEET NUMBER: 8

DEPLOYMENT EQUIPMENT: CAT-345 with spreder bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 312	PANEL LOCATION REFERENCE NUMBER 313	PANEL LOCATION REFERENCE NUMBER 314
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 3m	5.1m x 15m	5.1m x 24m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	45	45	45
ADJACENT PANEL	N= 310 S= 314 E= 311 W=	N= 311 S= 315 E= 2009 BGM W= 314	N= 311, 312 S= 313 E= 313 W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 315	PANEL LOCATION REFERENCE NUMBER 316	PANEL LOCATION REFERENCE NUMBER 317
PANEL/ROLL NUMBER	N#	N#	N#
DEPLOYMENT LENGTH	5.1m x 38m	5.1m x 39m	2 m x 13m
AMBIENT AIR TEMP.	10°C	10°C	10°C
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	8"	8"	8"
CHECKED BY	45	45	45
ADJACENT PANEL	N= 313, 314 S= 316 E= 2009 BGM W=	N= 315 S= 317 E= 2009 BGM W=	N= 316 S= 319 E= - W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 318	PANEL LOCATION REFERENCE NUMBER 319	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	N#	N#	
DEPLOYMENT LENGTH	5.1m x 21.5m	5.1m x 17.5m	
AMBIENT AIR TEMP.	10°C	10°C	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	8"	8"	
CHECKED BY	45	45	
ADJACENT PANEL	N= 317 S= 241 E= 2009 BGM W= 319	N= 317 S= 241 E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: AO

DATE: SEP. 23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 1

DATE: Sep-18-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
242/243	EEOS	WEOS	16:15	5°	BM		-	-	19					
243/244	EEOS	WEOS	16:30	5°	BM		-	-	19					
244/245	EEOS	WEOS	16:50	5°	BM		-	-	19					
245/246	EEOS	WEOS	17:05	5°	BM		-	-	19					
246/247	EEOS	WEOS	17:15	5°	BM		-	-	19					
247/248	EEOS	WEOS	17:25	5°	BM		-	-	11.5					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	106.5					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O.

DATE: Sep-23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 2

DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
249/250	NEOS	SEOS	7:55	5°	BM		-	-	12					
250/251	NEOS	SEOS	8:05	5°	BM		-	-	12					
248/249/250/251	EEOS	WEOS	8:15	5°	BM		-	-	11.5					
							-	-						
252/247/248/251	NEOS	SEOS	8:25	5°	BM		-	-	15					
							-	-						
252/253	NEOS	SEOS	8:55	5°	BM		-	-	15					
253/254	NEOS	SEOS	9:05	5°	BM		-	-	15					
247/252/253	EEOS	WEOS	9:08	5°	BM		-	-	8					
255/256	EEOS	WEOS	9:12	5°	BM		-	-	4.1					
256/257	EEOS	WEOS	9:15	5°	BM		-	-	4.1					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP-23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
EXTRUSION			
SOLVENT			

SHEET NUMBER: 3

DATE: SEP. 19 - 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
254 | 255 256 | 257	NEOS	SEOS	9:18	5°	BM		-	-	18					
		-					-	-						
258 / 255 256 / 257	NEOS	- SEOS	9:35	5°	BM		-	-	18					
		-					-	-						
258/259	NEOS	- SEOS	10:10	5°	BM		-	-	18					
259/260	NEOS	- SEOS	10:20	5°	BM		-	-	18					
260/261	NEOS	- SEOS	10:30	5°	BM		-	-	18					
264/262	NEOS	- SEOS	10:45	5°	BM		-	-	18					
262/263	NEOS	- SEOS	11:25	5°	BM		-	-	18					
263/264	NEOS	- SEOS	12:05	5°	BM		-	-	16.5					
264/265	NEOS	- SEOS	12:15	5°	BM		-	-	12.5					
								DAILY TOTAL						

** REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP. 23 - 11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 4

DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
265/267	NEOS	SEOS	12:18	5°	BM		-	-	7					
266 (263 264 265 267)	NEEOS	SWEOS	12:20	5°	BM		-	-	29					
	-						-	-						
268/269	EEOS	WEOS	15:05	5°	BM		-	-	15					
268/270	EEOS	WEOS	15:15	5°	BM		-	-	26					
266 (268 269 270)	NEEOS	SWEOS	15:45	5°	BM		-	-	29					
	-						-	-						
271/272	NEOS	SEOS	15:55	5°	BM		-	-	4.1					
270/271/272	EEOS	WEOS	16:00	5°	BM		-	-	28					
273/274	NEOS	SEOS	16:25	5°	BM		-	-	4.1					
271/272/273/274	EEOS	WEOS	16:30	5°	BM		-	-	28.5					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP-23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 5

DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
275 / 273 274	EEOS	-WEOS	16:45	5°	BM		-	-	28.5					
276 / 277	NEOS	-SEOS	17:00	5°	BM		-	-	4.1					
275 / 276 277	EEOS	-WEOS	17:05	5°	BM		-	-	30					
278 / 276 277	EEOS	-WEOS	17:25	5°	BM		-	-	30					
278 / 279	EEOS	-WEOS	18:15	5°	BM		-	-	30					
280 / 281	NEOS	-SEOS	18:23	5°	BM		-	-	4.1					
279 / 280 281	EEOS	-WEOS	18:25	5°	BM		-	-	30					
282 / 280 281	EEOS	-WEOS	18:45	5°	BM		-	-	31.5					
282 / 283	EEOS	-WEOS	19:00	4°	BM		-	-	32					
284 / 285	NEOS	-SEOS	19:25	4°	BM		-	-	4.1					
283 / 284 285	EEOS	-WEOS	19.30	4°	BM		-	-	31					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP-23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 6

DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
286/287	NEOS	SEOS	19:45	2°	BM		-	-	4.1					
284/285/286/287	EEOS	WEOS	19:50	2°	BM		-	-	31					
288/286/287	EEOS	WEOS	20:05	2°	BM		-	-	31					
288/289	EEOS	WEOS	20:20	2°	BM		-	-	31					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
								DAILY TOTAL	774.8					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O.

DATE: SEP-23-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 7

DATE: SEP-20-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
289/290	EEOS	-WEOS	15:35	10°	BM		-	-	31					
290/291	EEOS	-WEOS	16:05	10°	BM		-	-	32					
291/292	EEOS	-WEOS	16:20	10°	BM		-	-	32					
293/294	NEOS	- SEOS	16:40	10°	BM		-	-	5.1					
292/293/294	EEOS	- WEOS	16:45	10°	BM		-	-	32					
295/293/294	EEOS	- WEOS	18:45	10°	BM		-	-	33					
296/297	NEOS	- SEOS	19.05	10°	BM		-	-	5.1					
295/296/297	EEOS	- WEOS	19:10	10°	BM		-	-	33					
298/299	NEOS	- SEOS	19:30	10°	BM		-	-	5.1					
296/297/298/299	EEOS	- WEOS	19:35	10°	BM		-	-	33					
							-	-						
								DAILY TOTAL	241.3					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP-24-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 8

DATE: SEP-21-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
300/298 299	EEOS	WEOS	9:05	10°	BM		-	-	34					
301 / 302	NEOS	SEOS	9.25	10°	BM		-	-	5.1					
300 / 301 302	EEOS	NEOS	9.30	10°	BM		-	-	37					
303/ 301 302	EEOS	NEOS	10:40	10°	BM		-	-	37					
304/305	NEOS	SEOS	11:25	10	BM		-	-	5.1					
303 / 304 305	EEOS	WEOS	11:30	10°	BM		-	-	37					
306/307	NEOS	NEOS	11:42	10°	BM		-	-	5.1					
304 305 / 306 307	EEOS	WEOS	11.45	10	BM		-	-	37					
308/309	NEOS	SEOS	12:05	10°	BM		-	-	5.1					
306 307 / 308 309	EEOS	NEOS	12:10	10°	BM		-	-	38.5					
310 / 308 309	EEOS	WEOS	12:35	10°	BM		-	-	39.					
								DAILY TOTAL						

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O O

DATE: SEP-24-11

LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 120-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
BGM FUSION			
_____ EXTRUSION			
_____ SOLVENT			

SHEET NUMBER: 9

DATE: SEP-21-2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	MACHINE TEMPERATURES DIGITAL SET WEDGE OR BARREL	APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE TEST DATE	NON-DESTRUCTIVE CHECKED BY
311/312	NEOS	SEOS	15:25	10°	BM		-	-	5.1					
310/311/312	EEOS	WEOS	15:30	10°	BM		-	-	39					
313/314	NEOS	SEOS	15:55	10°	BM		-	-	5.1					
311/312/313/314	EEOS	WEOS	16:00	10°	BM		-	-	39					
315/313/314	EEOS	WEOS	17:40	10°	BM		-	-	38					
315/316	EEOS	WEOS	18:00	10°	BM		-	-	38					
316/317	EEOS	WEOS	18:15	10°	BM		-	-	13					
318/319	NEOS	SEOS	18:20	10°	BM		-	-	5.1					
316/317/318/319	EEOS	WEOS	18:25	10°	BM		-	-	39					
241/315/319	EEOS	WEOS	19:50	10°	BM		-	-	39					
295 to 318 with 2009 BGM	NEOS	SEOS	19:05	7°	BM		-	-	71.4					
								DAILY TOTAL	611.6					

* *REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.*

SUBMITTED BY: O.O

DATE: SEP. 24-11

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **DATE:** SEP-22-2011

VACUUM BOX X **AIR LANCE** _____ **SHEET NUMBER:** 1

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
244-245	WEOS - EEOS	09/22/11	BM										
247-248	WEOS - EEOS	09/22/11	BM										
250-251	WEOS - SEOS	09/22/11	BM										
253-254	WEOS - SEOS	09/22/11	BM										
256-258	WEOS - SEOS	09/22/11	BM										
259-260	WEOS - SEOS	09/22/11	BM										
262-263	WEOS - SEOS	09/22/11	BM										
265-266	SWEOS - NEEOS	09/22/11	BM										
268-270	NEOS - EEOS	09/22/11	BM										
271-274	WEOS - EEOS	09/22/11	BM										
274-273	WEOS - SEOS	09/22/11	BM										
276-277	WEOS - SEOS	09/22/11	BM										
280-282	WEOS - EEOS	09/22/11	BM										
284-287	WEOS - EEOS	09/22/11	BM										
284-288	WEOS - EEOS	09/22/11	BM										
290-291	WEOS - EEOS	09/22/11	BM										
293-294	WEOS - SEOS	09/22/11	BM										
298-300	WEOS - EEOS	09/22/11	BM										
302-303	WEOS - EEOS	09/22/11	BM										
306-305	WEOS - EEOS	09/22/11	BM										

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: O.O.

DATE: SEP-26-2011

LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:**

LOCATION: Baker Lake Nunavut **DATE:** SEP-22-2011

VACUUM BOX X **AIR LANCE** _____ **SHEET NUMBER:** 2

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
310-311	WEOS - EEOS	09/22/11	BM		|								
314-315	WEOS - EEOS	09/22/11	BM		|								
318-241	WEOS - EEOS	09/22/11	BM		|								
Tie-in 2009 with 2011	NEOS - SEOS	09/22/11	BM		|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								
	-				|								

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER. OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

SUBMITTED BY: Q.O

DATE: SEP-26-2011

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 126-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake northwest

PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS#2
SEAM NUMBER: 241-314
SAMPLE LOCATION: 7m west to EE05
DATE SEAMED / SAMPLED: 25 Sep 2011
TYPE OF SEAM: 80mil FUSION

TEST DATE: 26/Sep/2011
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY ✓ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	180	5E1	2				
3	169	9E1	4				
5	178	5E1	6				
7	175	5E1	8				
9	178	5E1	10				
11	182	9E1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ✓ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E

DATE: 26 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 122-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER*: DS#1
SEAM NUMBER: 268 - 266
SAMPLE LOCATION: 9m SWEOS to NSEOS
DATE SEAMED / SAMPLED: 25 Sep 2011
TYPE OF SEAM: BGM FUSION

TEST DATE: 26 Sep 2011
ARCHIVE _____ **LAYFIELD** ✓ **OWNER** _____ **ENGINEER**
3RD PARTY ✓ **YES** _____ **NO** _____ **WHO?**
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
				INSIDE SEAM		OUTSIDE SEAM	
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	178	SE1	2				
3	190	SE.1	4				
5	186	SE 1	6				
7	180	SE 1	8				
9	164	SE 1	10				
11	175	SE1	12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

LPL: PASS ✓ FAIL _____

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: X. E
DATE: 26/Sep/2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **SHEET NUMBER:** 1

DEFECT CODE	LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
1A	09/26/11	S-266-267	7m From NEEOS to SWEOS	IO	P	B.M	09/23/11			
1B	09/26/11	S-268-266	9m F SWEOS - to NEEOS	DS#1	P	B.M	09/23/11		09/26/11	Y.E
1C	09/26/11	S-248-319	7m From WEOS to EEOS	DS#2	P	B.M	09/23/11		09/26/11	Y.E
1D	09/26/11	P-255-256	4.6m from SEOS to NEOS	RC	C	B.M	09/23/11			
1E	09/26/11	P-256-257	10m From SEOS to NEOS	RC	C	B.M	09/23/11			
1F	09/26/11	P-272-271	4.5m from WEOS to EEOS	RC	C	B.M	09/23/11			
1G	09/26/11	P-274-273	20m From WEOS to EEOS	RC	C	B.M	09/23/11			
1H	09/26/11	P-276-277	4m From WEOS to EEOS	RC	C	B.M	09/24/11			
1I	09/26/11	P-280-281	11m from WEOS to EEOS	RC	C	B.M	09/24/11			
1J	09/26/11	P-284-285	23m from WEOS to EEOS	RC	C	B.M	09/24/11			
1K	09/26/11	P-287-286	19m from WEOS to EEOS	RC	C	B.M	09/24/11			
1L	09/26/11	P-294-293	21m from WEOS to EEOS	RC	C	B.M	09/24/11			
1M	09/26/11	P297-296	10.5m from WEOS to EEOS	RC	C	B.M	09/24/11			
1N	09/26/11	P299-P298	7.m from WEOS to EEOS	RC	C	B.M	09/24/11			
1O	09/26/11	P-302-301	13m from WEOS to EEOS	RC	C	B.M	09/25/11			
1P	09/26/11	P-305-304	29m from WEOS to EEOS	RC	C	B.M	09/25/11			
1Q	09/26/11	P-307-306	12.5 from WEOS to EEOS	RC	C	B.M	09/25/11			
1R	09/26/11	P-309-308	24.5 from WEOS to EEOS	RC	C	B.M	09/25/11			
1S	09/26/11	P-312-311	3 from WEOS to EEOS	RC	C	B.M	09/25/11			
1T	09/26/11	P-314-313	24 from WEOS to EEOS	RC	C	B.M	09/25/11			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - TIHREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; RC OTHER: Reinforcement, Cross seam

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: O.O.

DATE: SEP-26-2011

LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 12C-104 **PROJECT TITLE:** Storm Water Dike

OWNER: Agnico Eagle Mines **CONTRACTOR:** Agnico Eagle Mines

LOCATION: Baker Lake Nunavut **SHEET NUMBER:** 2

DEFECT CODE	LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
2A	09/26/11	P.319 - 318	17.5 from W80s to E80s	RC	C	B.M.	09/25/11			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE; B - UNDISPERSED RESIN BEAD; BO - FUSION WELDER BURN; BS - BOOT/SKIRT FROM FML PENETRATION; CO - CHANGE OF OVERLAP; CR - CREASE; D - INSTALLATION DAMAGE; DS-# - DESTRUCTIVE TEST NUMBER; EE - EARTHWORK EQUIPMENT DAMAGE; EXT - EXTENSION; FM - FISHMOUTH; FS - FAILED SEAM LENGTH; FTS - FIELD TEST STRIP; HT - HEAT TACK BURN; IO - INSUFFICIENT OVERLAP (UNDER SPEC.); MD - MANUFACTURER/DELIVERY DAMAGE; PT - PRESSURE TEST CUT; SI - SOIL SURFACE IRREGULARITY; SL - SLAG ON TEXTURED SHEET; T - THREE PANEL INTERSECTION; VL - VACUUM TEST LEAK; WR - WRINKLE; WS - WELDER RESTART; OTHER: RC Reinforcement Cross Seam

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

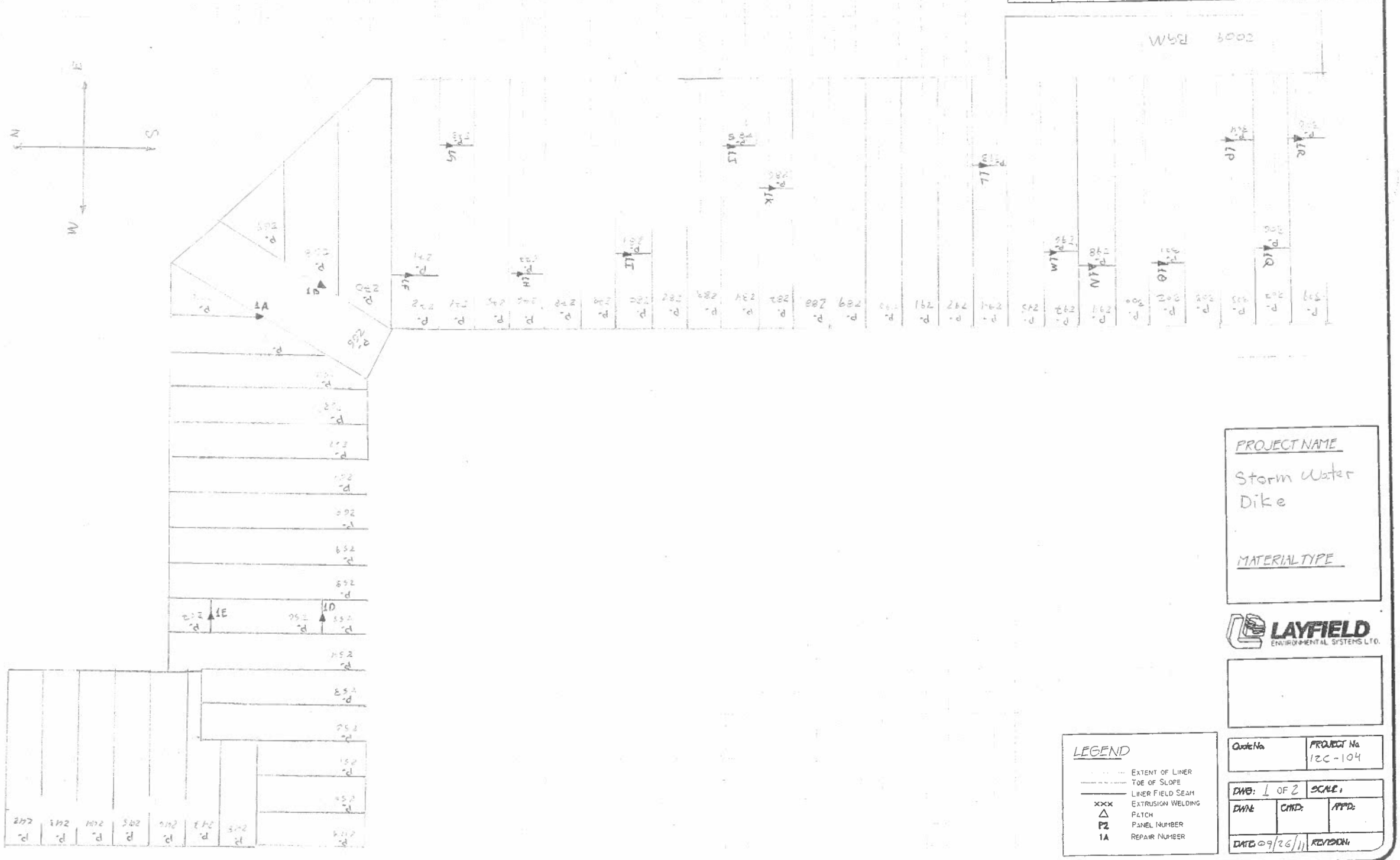
PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

SUBMITTED BY: O.O.

DATE: SEP-26-2011

No.	REVISIONS	DATE (MM/DD/YY)	BY



PROJECT NAME

Storm Water Dike

MATERIAL TYPE

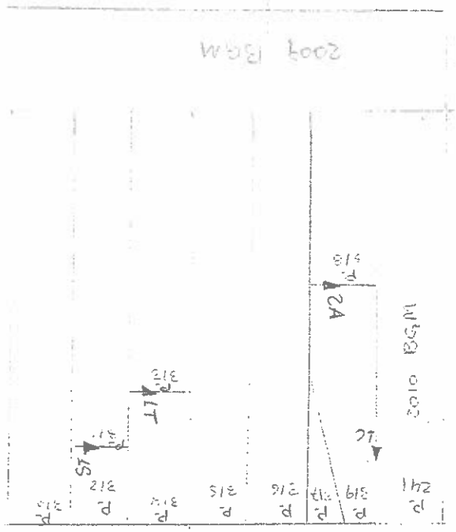
LAYFIELD
ENVIRONMENTAL SYSTEMS LTD.

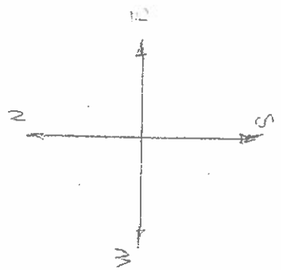
LEGEND

- EXTENT OF LINER
- TOE OF SLOPE
- LINER FIELD SEAM
- XXX EXTRUSION WELDING
- △ PATCH
- P2 PANEL NUMBER
- 1A REPAIR NUMBER

Quote No.	PROJECT No. 122-104
DWG: 1 OF 2	SCALE:
DWN:	CHKD: APPD:
DATE: 09/26/11	REVISION:

NO.	REVISIONS	DATE (MM/DD/YY)	BY





PROJECT NAME

Storm Water Dike

MATERIAL TYPE

LAYFIELD
ENVIRONMENTAL SYSTEMS LTD.

LEGEND

- EXTENT OF LINER
- TOE OF SLOPE
- LINER FIELD SEAM
- XXX EXTRUSION WELDING
- △ PATCH
- P2 PANEL NUMBER
- 1A REPAIR NUMBER

Quote No.	PROJECT No. 12C-104

DWG: 2 OF 2	SCALE:	
DWN:	CHKD:	APP'D:
DATE 09/26/11	REVISION:	

LAYFIELD

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Saddle Dam 2 and Storm Water Dike
PROJECT NUMBER: 120-104 **DATE:** 26 September 2011
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

SCOPE OF INSTALLATION(S): THE WORK
- Saddle Dam 2. Installation of underlay of Geotextile overlay LLDPE 60 mil Textured testing and weld. 100% completed
- Storm Water Dike installation of BGM 152 and ES3 with QA QC 100% Completed
- Some Repairs on saddle Dam 1 100% completed with testing

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Yonatan Espindola, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the installations (as outlined above), and have found the Work to be complete and free of defects and declare that the Work was completed in accordance with the project specifications, Layfield Environmental Systems' QC program and the terms and conditions of the contract.

Layfield Environmental Systems Representative:
Name: Yonatan Espindola
Title: Supervisor
Date: 26 Sep 2011 **Signature:** Espindola Hernandez, Yonatan.

Part 2 – OWNER (or Representative)

I, _____, a duly appointed representative of _____, do hereby take over and accept the installation(s) described above, and confirm that the work has been completed in accordance with the project specifications and the terms of the conditions of the contract.

I have evaluated and measured the work together with the Layfield Environmental Systems representative, and agree that the measurements shown are both true and correct, and that the installation has met our approval.

Owners Representative:
Name: Thomas Lapine
Title: Jr ENG
Company: AEM
Date: 26-09-2011 **Signature:** _____

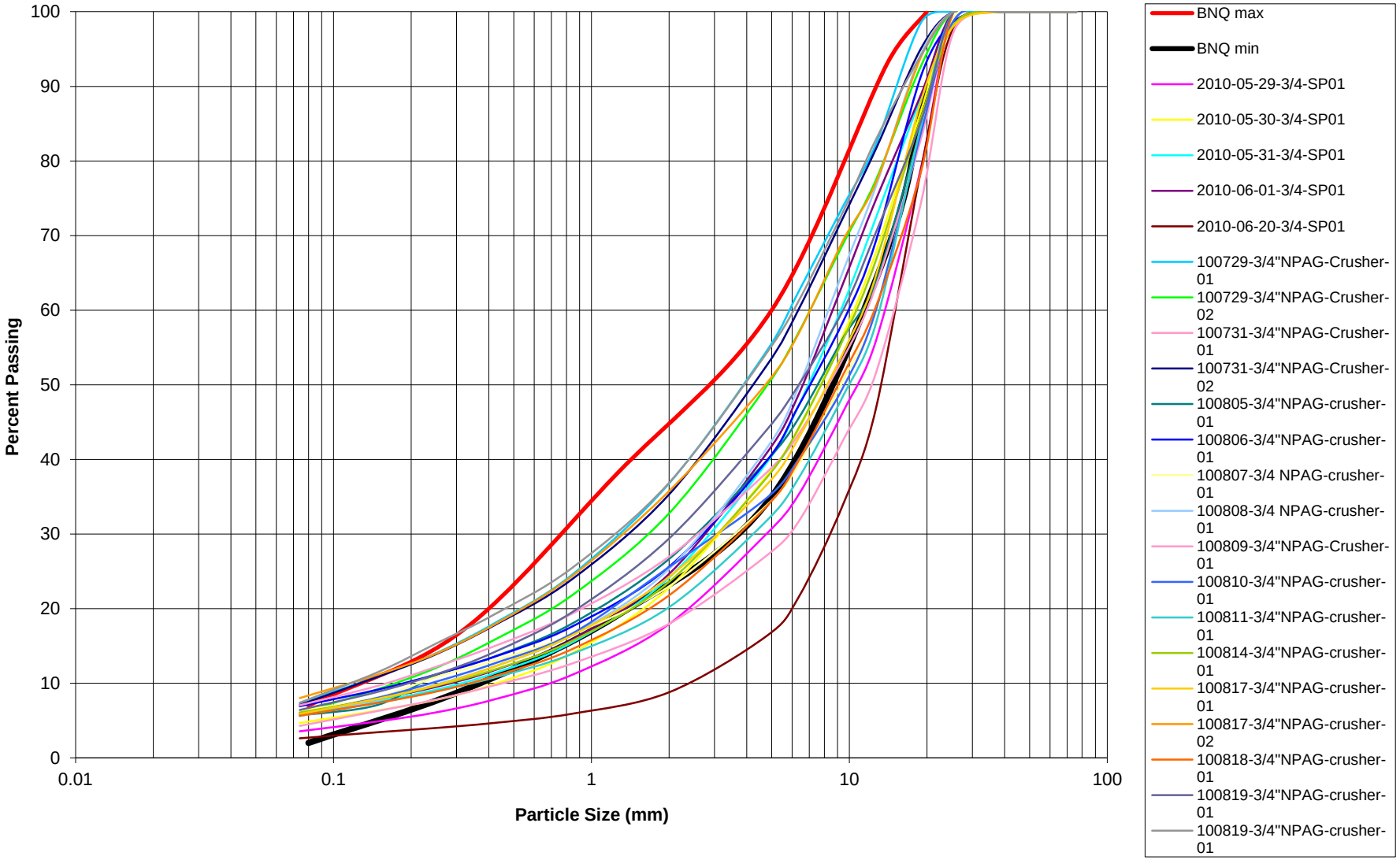
Comments: _____

APPENDIX B

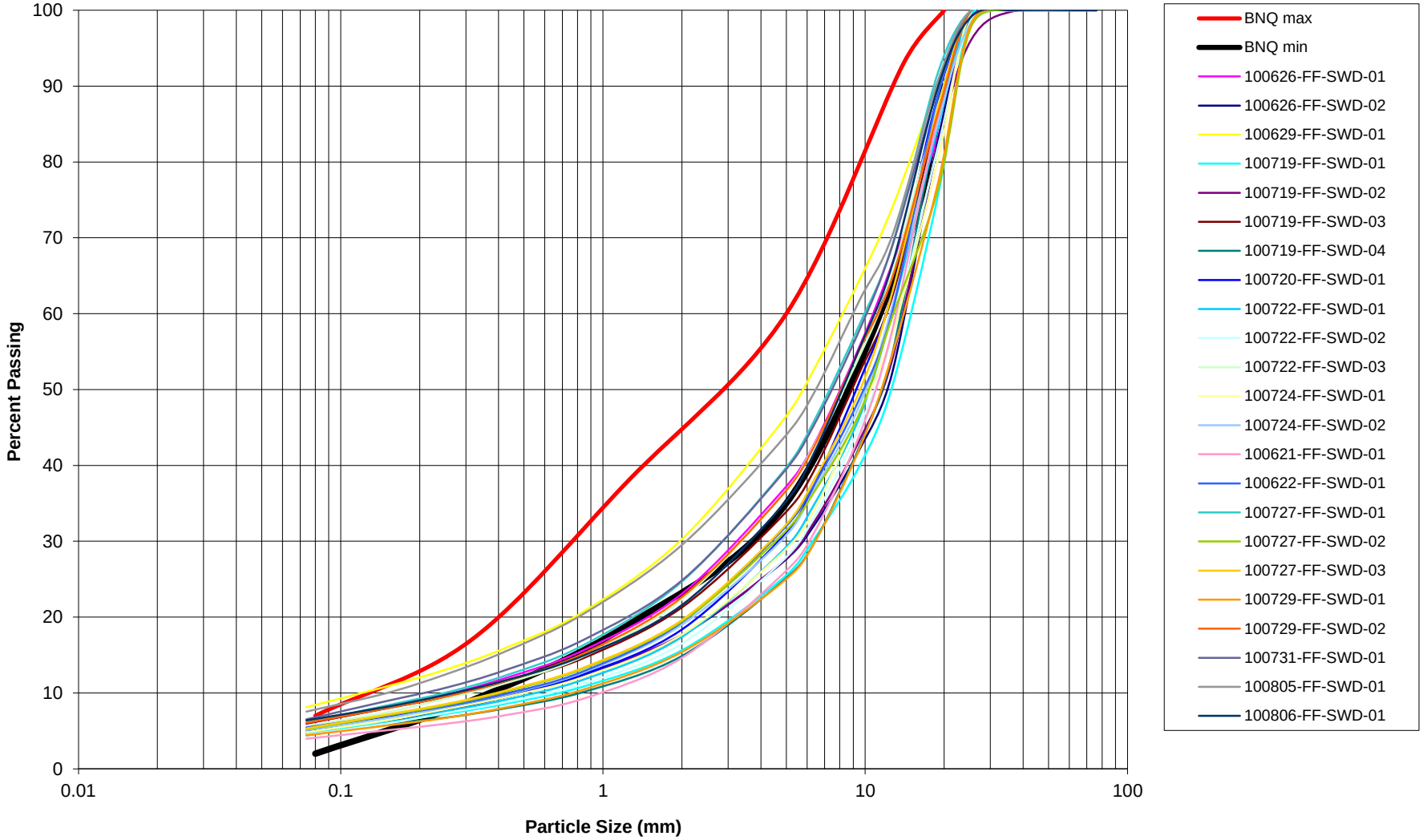
QC DOCUMENTATION

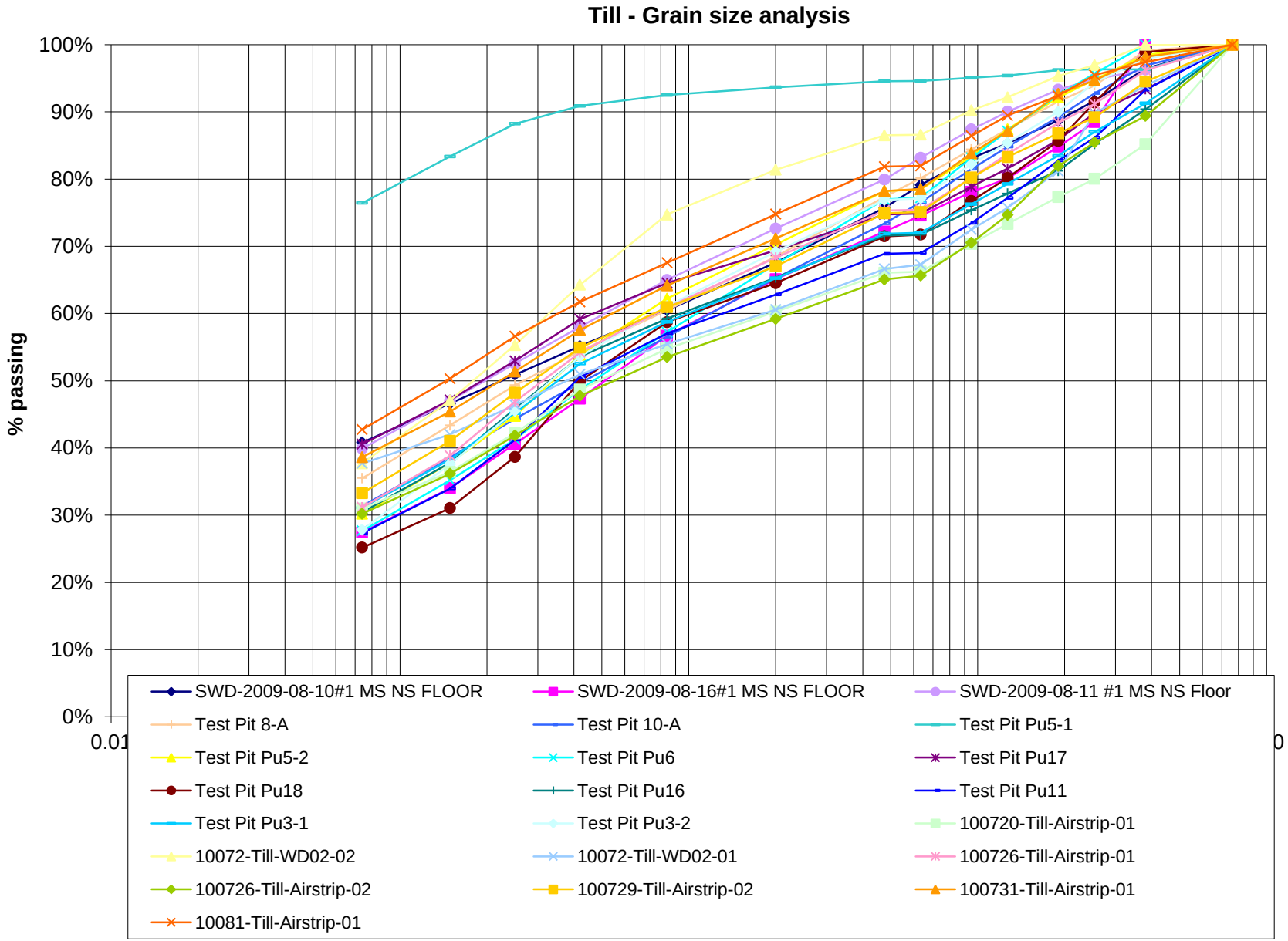
Earthworks QC Documentation

FGL 3/4 Crush Particle Size Distribution



SWD 3/4 Crush Particle Size Distribution




Till - Grain size analysis
% passing
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
0.01
SWD-2009-08-10#1 MS NS FLOOR
SWD-2009-08-16#1 MS NS FLOOR
SWD-2009-08-11 #1 MS NS Floor
Test Pit 8-A
Test Pit 10-A
Test Pit Pu5-1
Test Pit Pu5-2
Test Pit Pu6
Test Pit Pu17
Test Pit Pu18
Test Pit Pu16
Test Pit Pu11
Test Pit Pu3-1
Test Pit Pu3-2
100720-Till-Airstrip-01
10072-Till-WD02-02
10072-Till-WD02-01
100726-Till-Airstrip-01
100726-Till-Airstrip-02
100729-Till-Airstrip-02
100731-Till-Airstrip-01
10081-Till-Airstrip-01

APPENDIX B

2009 QA DOCUMENTATION

Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

Measurements of Hydraulic Conductivity Using a Flexible Wall Permeameter

Reference: ASTM D5084-03 Method C

Client	AEM	**Sample**	SD1110409-01 SA192	**Falling Head, rising tailwater elevation**	
Project	Meadowbank Gold Project		SD1110409-02 SA193		
Location	Nunavut		Combined		
Project #	09-1428-5007	**Test Number**	Ktest-1	**Lab ID**	241

Remarks:

SA192 Location - SD1, Sta. 0+140,
offset 50m E, El. 141, In situ

SA193 Location - SD1, Sta. 0+310
offset 40mE 15mS, El. 141, In situ

Sample Geometry

	Initial	Final	
Diameter =	15.23	15.34	cm
Length =	11.65	11.42	cm
Area =	182.08	184.74	cm^2
Volume =	2120.5	2110.0	cm^3

Test Parameters

Cell Pressure =	40.0	psi
Back Pressure =	30.0	psi
σ'_{3c} =	10.0	psi
δV_c =	10.6	cc
B_{value} =	0.96	
a_{in} =	1.00	cm^2
a_{out} =	1.00	cm^2

Phase Relationships

	Initial	Final
Wet Weight (g) =	4452.0	4680.2
Dry Weight (g) =	4142.6	4142.6
w (%) =	7.5	13.0
ρ_{dry} (kg/m^3) =	1954	1963
S (%) =	58.7	100.0
e =	0.33	0.32
G_s (assumed) =	2.60	2.60

Read #	Date (mm/dd/yy)	Time (hh:mm)	Elapsed Time (min)	Burette Readings		Applied Pressure		Head Loss			Flow Volume		Viscosity Correction		k_{20} (cm/sec)
				Bottom (cc)	Top (cc)	p_{bot} (psi)	p_{top} (psi)	h (cm)	h_1 (cm)	h_2 (cm)	V_{in} (cc)	V_{out} (cc)	Temp (°C)	R_t	
1	1/19/2010	7:00	0.0	1.0	24.0	31.0	30.0	93.3	--	--	0.0	0.0	18.4	1.041	--
2			1.0	2.0	23.0	31.0	30.0	91.3	93.3	91.3	1.0	1.0	18.4	1.041	1.2E-05
3			4.0	4.3	20.8	31.0	30.0	86.8	93.3	86.8	3.3	3.2	18.4	1.041	9.7E-06
4			8.0	6.9	18.3	31.0	30.0	81.7	93.3	81.7	5.9	5.7	18.4	1.041	8.9E-06
5			11.0	8.8	16.3	31.0	30.0	77.8	93.3	77.8	7.8	7.7	18.4	1.041	8.9E-06
6			14.0	10.8	14.3	31.0	30.0	73.8	93.3	73.8	9.8	9.7	18.4	1.041	9.0E-06
7			18.0	13.2	11.8	31.0	30.0	68.9	93.3	68.9	12.2	12.2	18.4	1.041	9.0E-06
8			22.0	15.5	9.7	31.0	30.0	64.5	93.3	64.5	14.5	14.3	18.4	1.041	9.0E-06
9			26.0	17.5	7.7	31.0	30.0	60.5	93.3	60.5	16.5	16.3	18.4	1.041	8.9E-06
10			30.0	19.3	5.8	31.0	30.0	56.8	93.3	56.8	18.3	18.2	18.4	1.041	8.9E-06
11			40.0	23.2	1.9	31.0	30.0	49.0	93.3	49.0	22.2	22.1	18.4	1.041	8.6E-06
Trial-1													**Average k_{20} (cm/sec) =**		**9.2E-06**
1	1/19/2010	8:00	0.0	0.6	23.6	30.5	30.0	58.2	--	--	0.0	0.0	21.8	0.958	--
2			1.0	1.1	23.1	30.5	30.0	57.2	58.2	57.2	0.5	0.5	21.8	0.958	8.6E-06
3			6.0	3.2	21.1	30.5	30.0	53.1	58.2	53.1	2.6	2.5	21.8	0.958	7.5E-06
4			16.0	6.7	17.5	30.5	30.0	46.0	58.2	46.0	6.1	6.1	21.8	0.958	7.3E-06
5			24.0	9.6	14.5	30.5	30.0	40.1	58.2	40.1	9.0	9.1	21.8	0.958	7.7E-06
6			35.0	13.2	10.9	30.5	30.0	32.9	58.2	32.9	12.6	12.7	21.8	0.958	8.1E-06
7			44.0	15.6	8.5	30.5	30.0	28.1	58.2	28.1	15.0	15.1	21.8	0.958	8.2E-06
8			75.0	21.2	2.7	30.5	30.0	16.7	58.2	16.7	20.6	20.9	21.8	0.958	8.2E-06
9			102.0	24.1	-0.1	30.5	30.0	11.0	58.2	11.0	23.5	23.7	21.8	0.958	8.1E-06
Trial-2													**Average k_{20} (cm/sec) =**		**7.9E-06**

Sample Description:

Comments : Compacted to 95% of Standard Proctor Density at Optimum Water Content

Permeant Liquid : Tap water

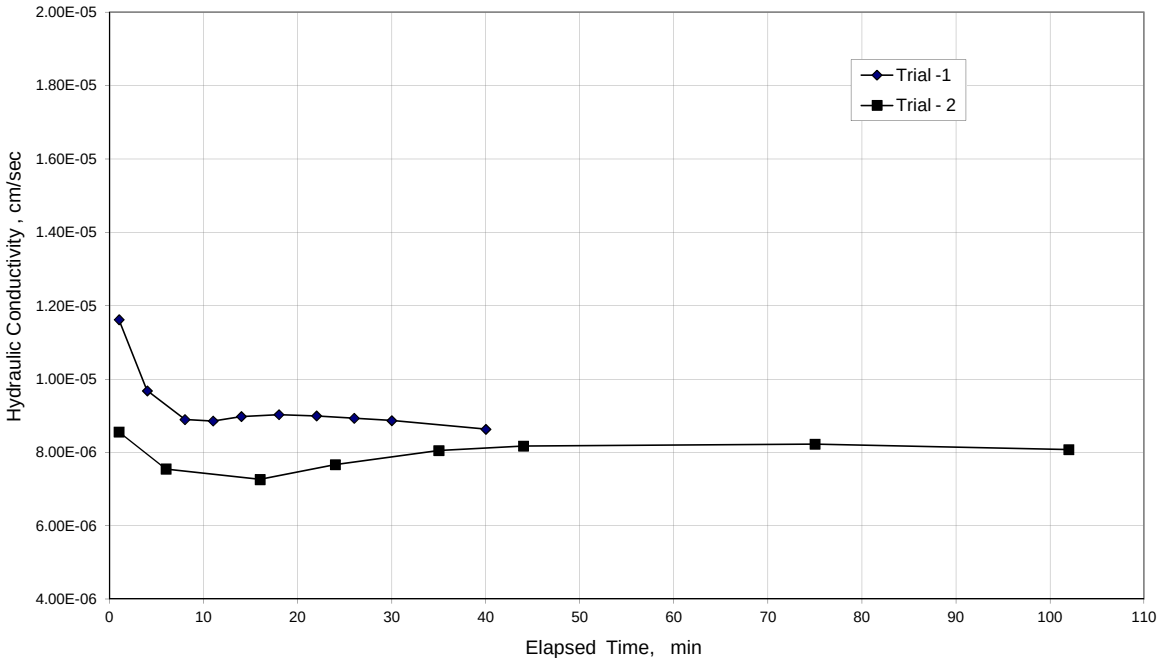
Conversion from pressure to water head:

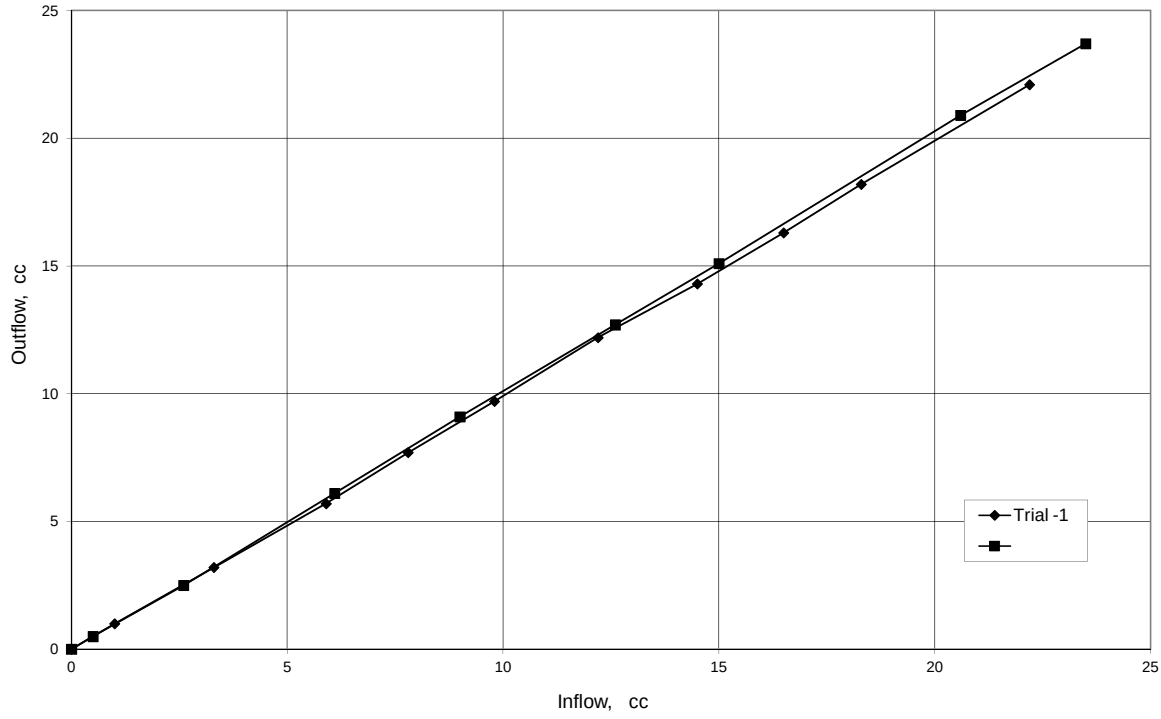
1 psi = 70.305 cm of H_2O

TM	January 19, 2010	LP	January 21, 2010
Tested By	Date	Reviewed By	Date

Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

Measurements of Hydraulic Conductivity Using a Flexible Wall Permeameter				Reference: ASTM D5084-03 Method C	
Client	Agnico	**Sample**	SD1110409-01 SA192	**Falling Head, rising tailwater elevation**	
Project	Dike Construction		SD1110409-02 SA193		
Location	Nunavut		Combined		
Project #	09-1428-5007	**Test Number**	Ktest-1	**Lab ID**	241





TM	January 19, 2010	LP	January 21, 2010
Tested By	Date	Reviewed By	Date

Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

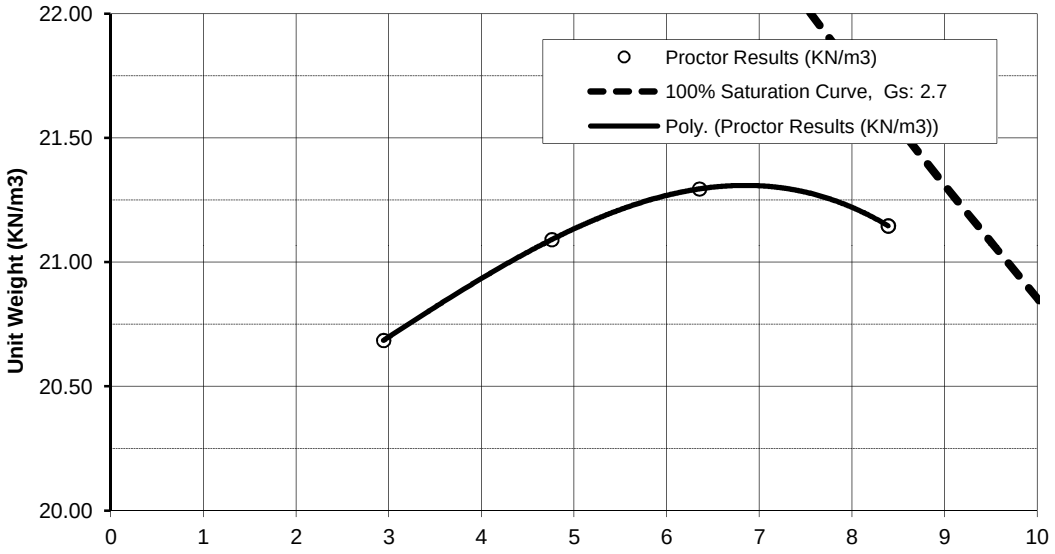
Compaction of Soil Using Standard Effort

Reference
ASTM D 698-07

Client:	AEM	**Sample No.:**	192 - 193 combined
Project:	Meadowbank Gold Project	**Field Label:**	SD1110409-01 and SD1110409-02
Location:	Nunavut	**Depth (m):**	NA
Project No.:	09-1428-5007	**Lab ID No:**	SA-192 and SA-193
Effort Type:	Standard	**Visual Description:**	-
Test Method:	C	**Type of Rammer:**	Manual
Preparation Method:	Moist	**Mould Volume (m^3):**	0.002120
Remarks:	Sample locations: SD1, SA192 Sta. 0+140; SA193 Sta. 0+310		

Compaction Results

Trial No.:	1	2	3	4	
Unit Weight (KN/m^3)	20.69	21.09	21.29	21.15	
Water Content (%):	2.9	4.8	6.4	8.4	



Uncorrected Optimum w (%):	6.7	**Uncorrected Unit Weight (KN/m^3)**	21.30

ASTM D 4718-87 (2007) Correction for oversize particles

Max Percent Oversize (%):	20	**Sieve Size (mm):**	20.00
Oversized Fraction		***Test Fraction***	
Percent Oversized Fraction (%):	9.1	**Percent Test Fraction (%):**	90.9
Gsc (assumed):	2.70	**Gsf (assumed):**	2.70
Water Content of Oversized (%):	1.5	**Water Content of Test (%):**	6.7

Final Results

Corrected Optimum w (%):	6.2	**Corrected Unit Weight (KN/m^3)**	21.68
		Corrected Dry Density (Kg/m3)	2210

TM / RG	December 16, 2009	LP	January 13, 2010
TESTED BY	DATE	CHECKED BY	DATE

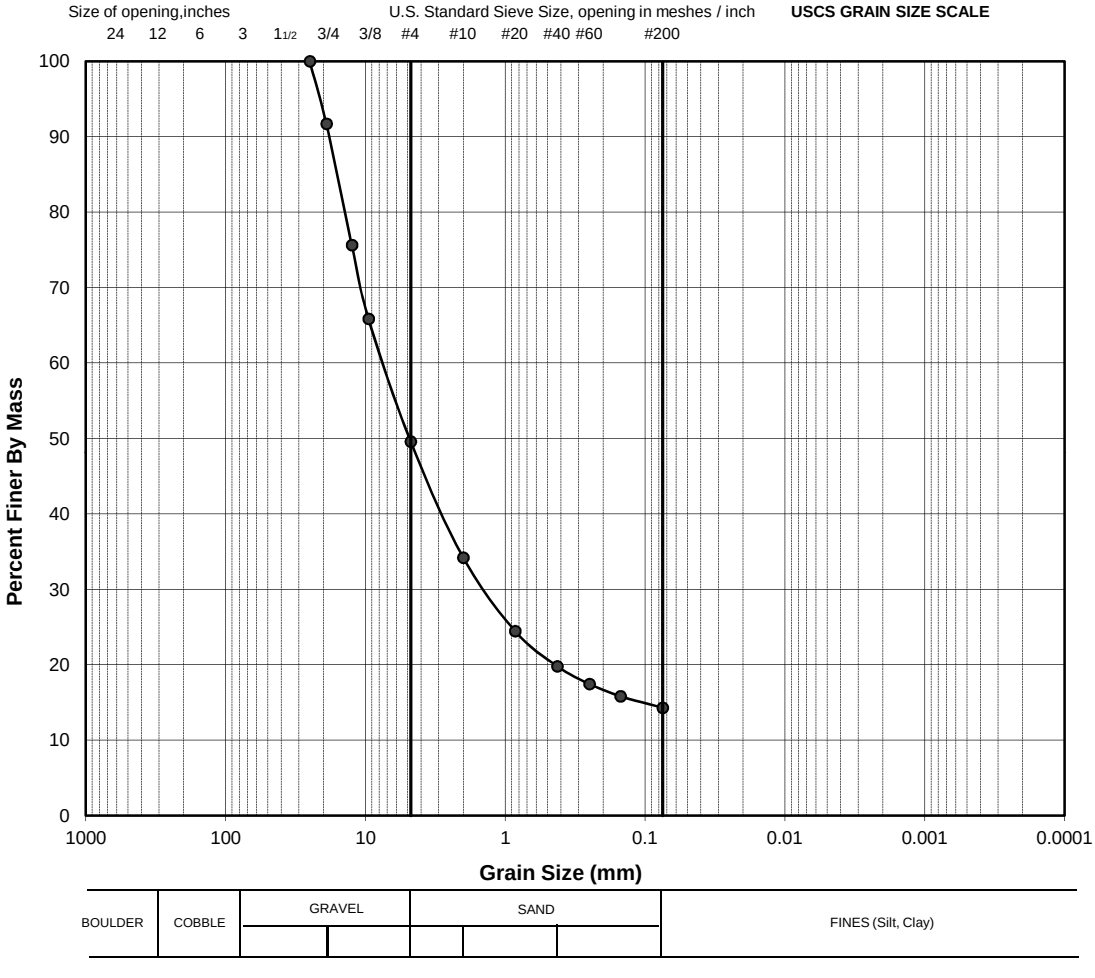
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**183**
Client:	AEM	**Field Label:**	SD1 103009-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA183
Remarks:	Water content=2.5%	**Date Sampled:**	October 30, 2009
Sa. Location:	SD1, Sta. 0+240 offset 75mE 15mS	**Material Specification:**	19mm minus and Bentonite mix
		Method:	COMBINED, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	91.7
1/2"	12.5	75.6
3/8"	9.5	65.9
#4	4.8	49.6
#10	2.0	34.2
#20	0.9	24.5
#40	0.4	19.8
#60	0.3	17.4
#100	0.2	15.8
#200	0.1	14.3



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

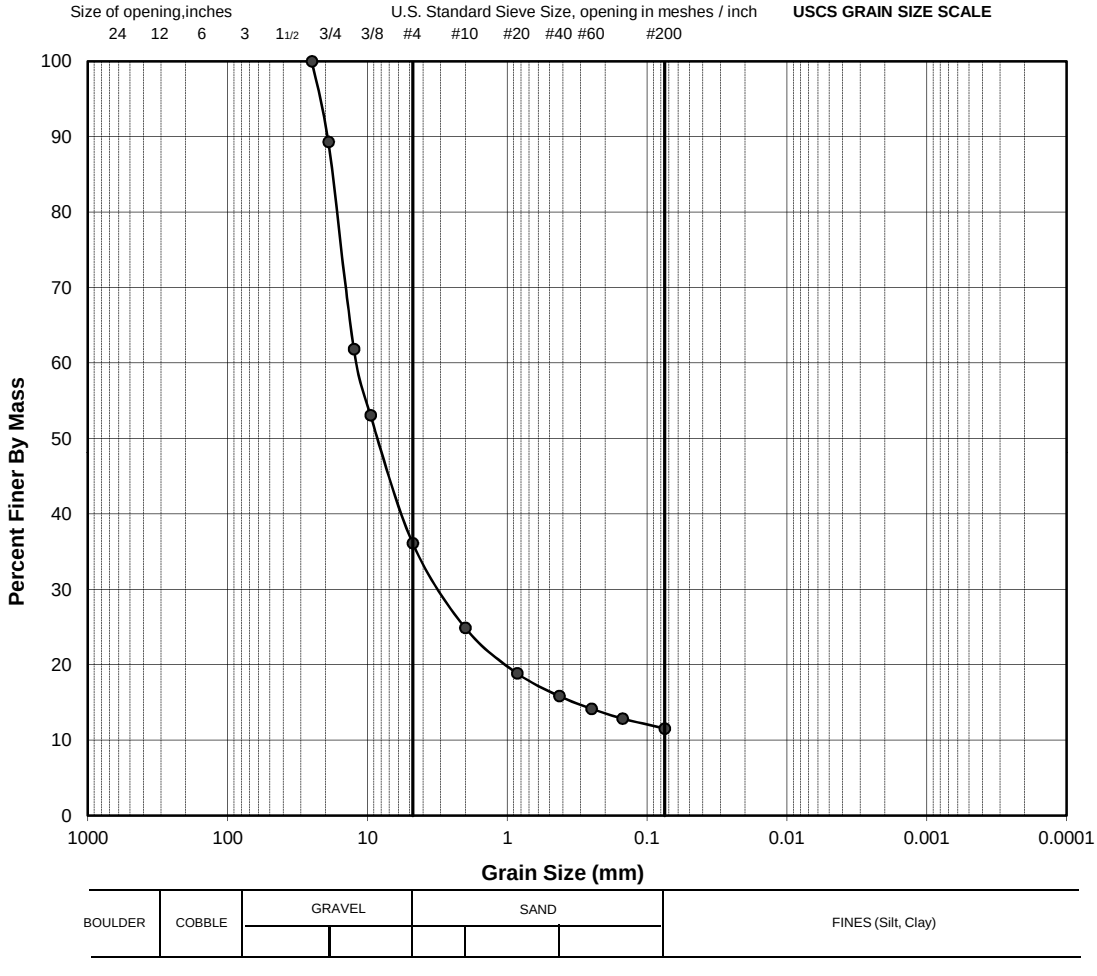
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**185**
Client:	AEM	**Field Label:**	SD1 103009-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA185
Remarks:	Water content=2.1%	**Date Sampled:**	October 30, 2009
Sa. Location:	SD1, Sta. 0+215, offset 70mE 15mS	**Material Specification:**	19mm minus and Bentonite mix
		Method:	COMBINED, WASHED
		Date Tested:	November 2, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	89.3
1/2"	12.5	61.9
3/8"	9.5	53.1
#4	4.8	36.1
#10	2.0	24.9
#20	0.9	18.9
#40	0.4	15.9
#60	0.3	14.2
#100	0.2	12.9
#200	0.1	11.5



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Damian Edwards	November 2, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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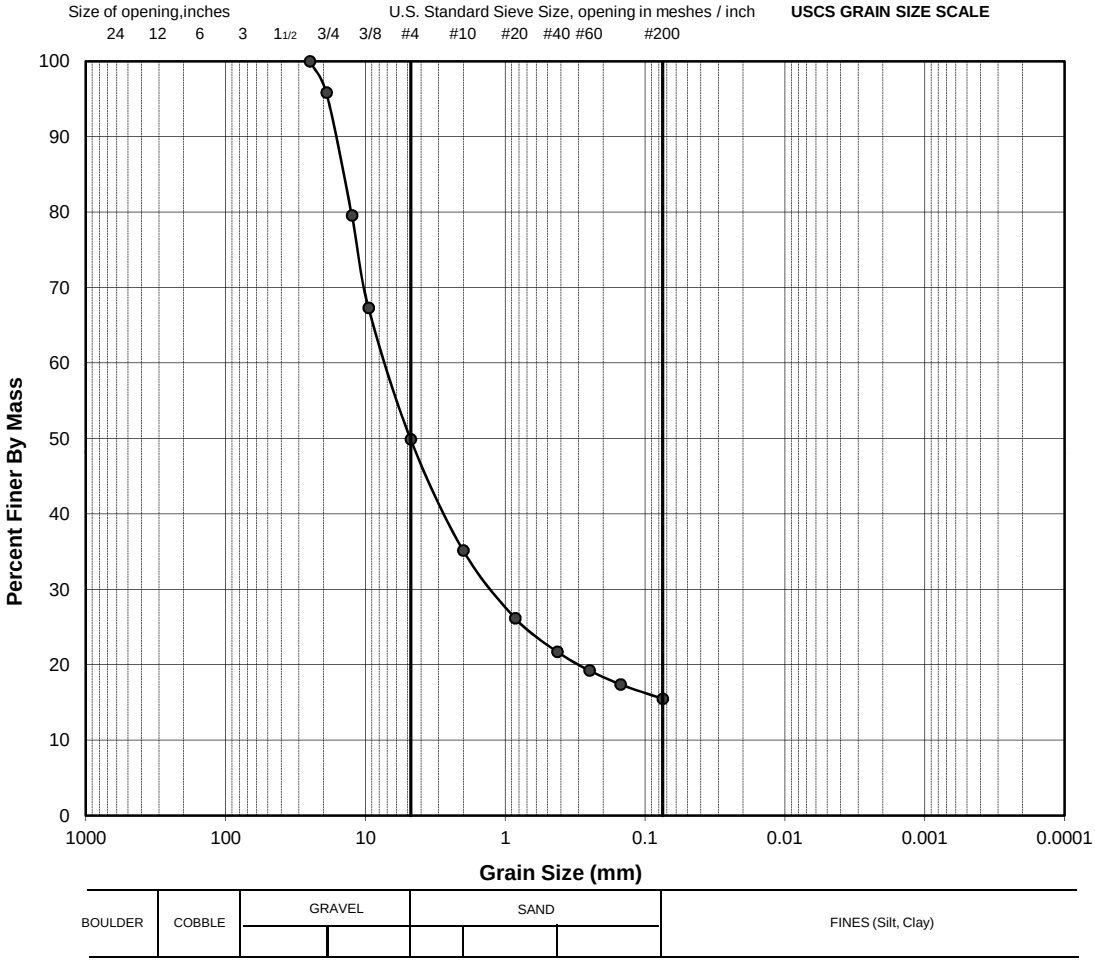
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**186**
Client:	AEM	**Field Label:**	SD1 103109-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA186
Remarks:	Water content=3.0%	**Date Sampled:**	October 31, 2009
Sa. Location:	SD1, Sta. 0+265, offset 70mE 15mS	**Material Specification:**	19mm minus and Bentonite mix
		Method:	COMBINED, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	95.9
1/2"	12.5	79.6
3/8"	9.5	67.3
#4	4.8	49.9
#10	2.0	35.2
#20	0.9	26.2
#40	0.4	21.7
#60	0.3	19.2
#100	0.2	17.4
#200	0.1	15.5



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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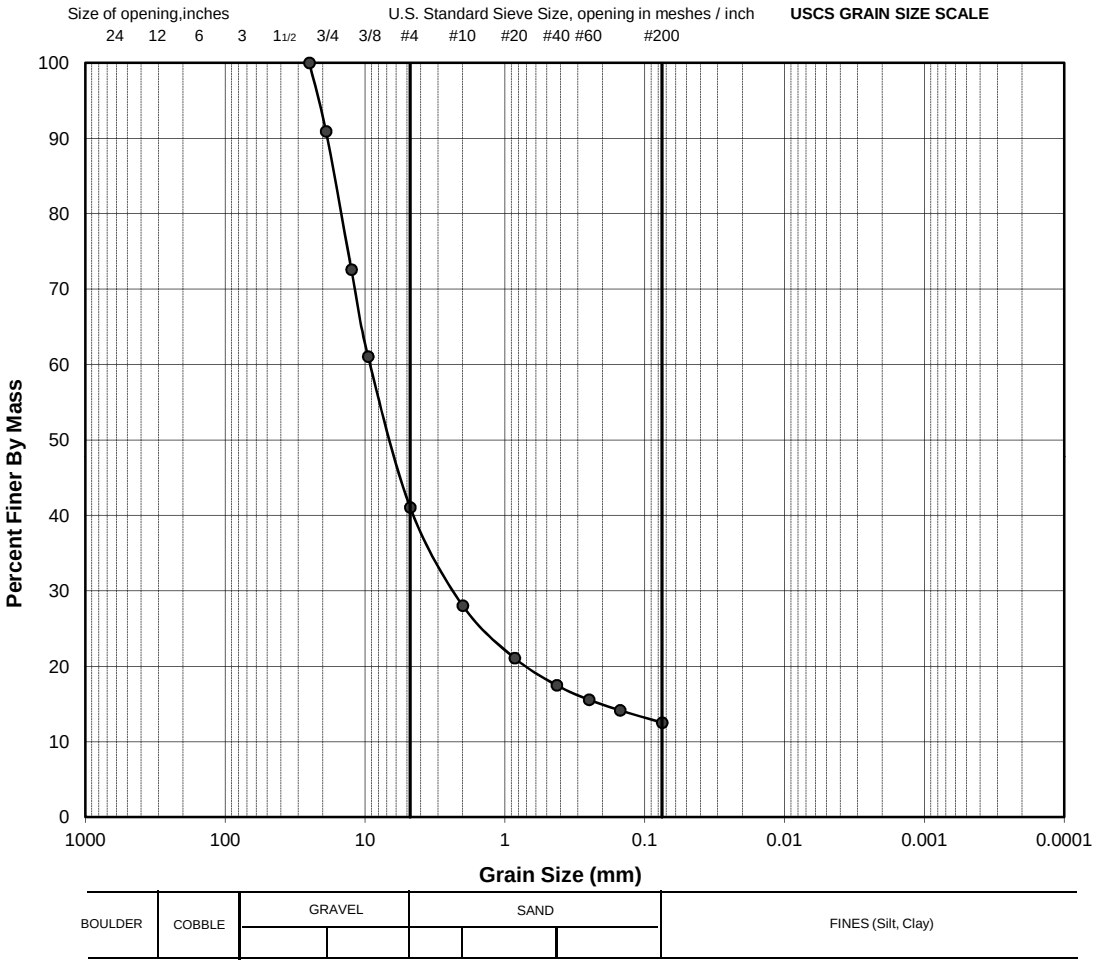
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**192 - 193 combined**
Client:	AEM	**Field Label:**	SD1110409-01 and SD1110409-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-192 and SA-193
Remarks:		**Date Sampled:**	November 4, 2009
Sa. Location:	SA192: SD1, Sta. 0+140, offset 50mE	**Material Specification:**	19mm minus and Bentonite mix
	SA193: SD1, Sta. 0+310, offset 40mE 15mS	**Method:**	SPLIT, WASHED
		Date Tested:	December 15, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.9
1/2"	12.5	72.6
3/8"	9.5	61.1
#4	4.8	41.1
#10	2.0	28.0
#20	0.9	21.1
#40	0.4	17.5
#60	0.3	15.6
#100	0.2	14.2
#200	0.1	12.5



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TM	December 15, 2009	LP	January 13,2010
TESTED BY	DATE	CHECKED BY	DATE

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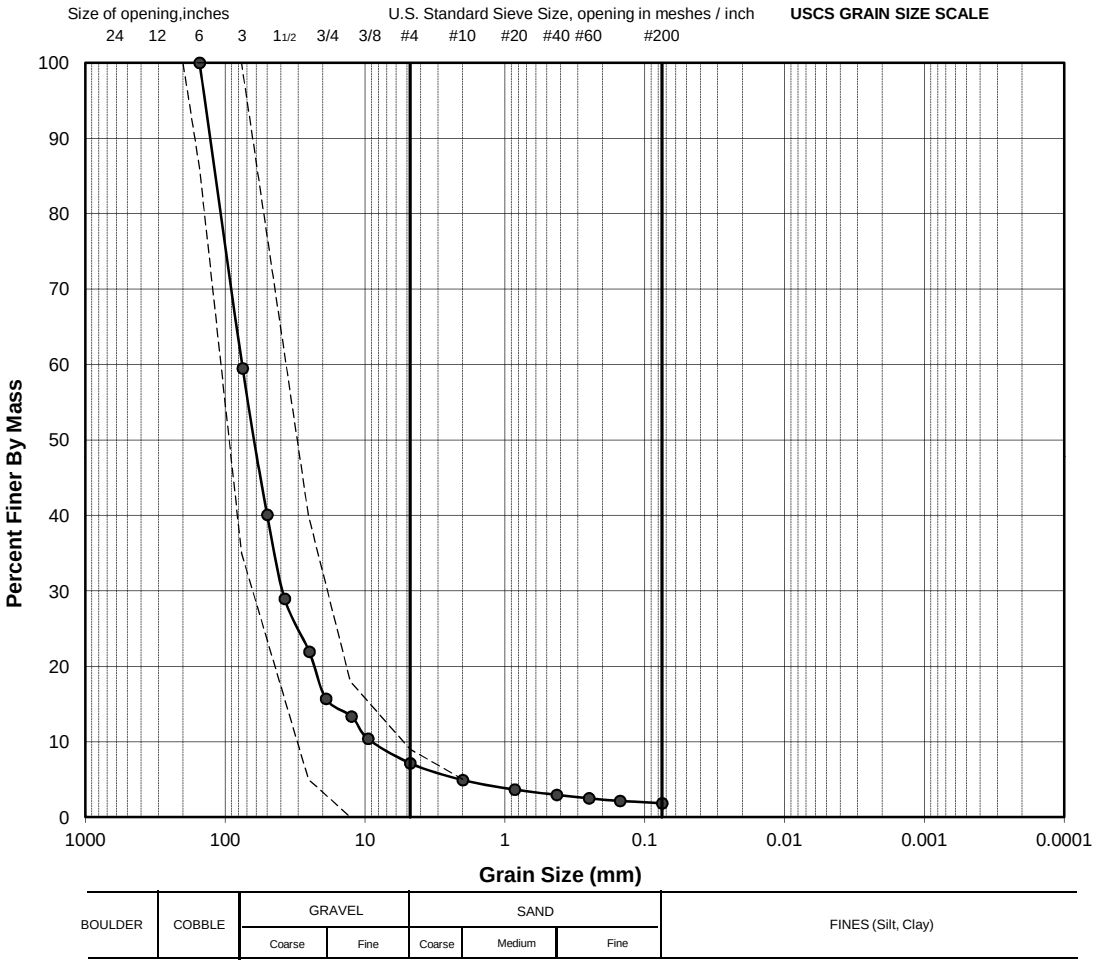
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**168**
Client:	AEM	**Field Label:**	SD1 101009-06
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA168
Remarks:	Water Content = 1.9%	**Date Sampled:**	October 10, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+316 El. 137.6	**Material Specification:**	Coarse filter
	Coarse Filter layer in place	**Method:**	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	59.5
2"	50.0	40.1
1.5"	37.5	28.9
1"	25.0	21.9
3/4"	19.0	15.7
1/2"	12.5	13.3
3/8"	9.5	10.4
#4	4.8	7.1
#10	2.0	4.9
#20	0.9	3.7
#40	0.4	3.0
#60	0.3	2.5
#100	0.2	2.2
#200	0.1	1.8



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Damian Edwards	November 3, 2009	Glen Rutherford	December 4, 2009
TESTED BY	DATE	CHECKED BY	DATE

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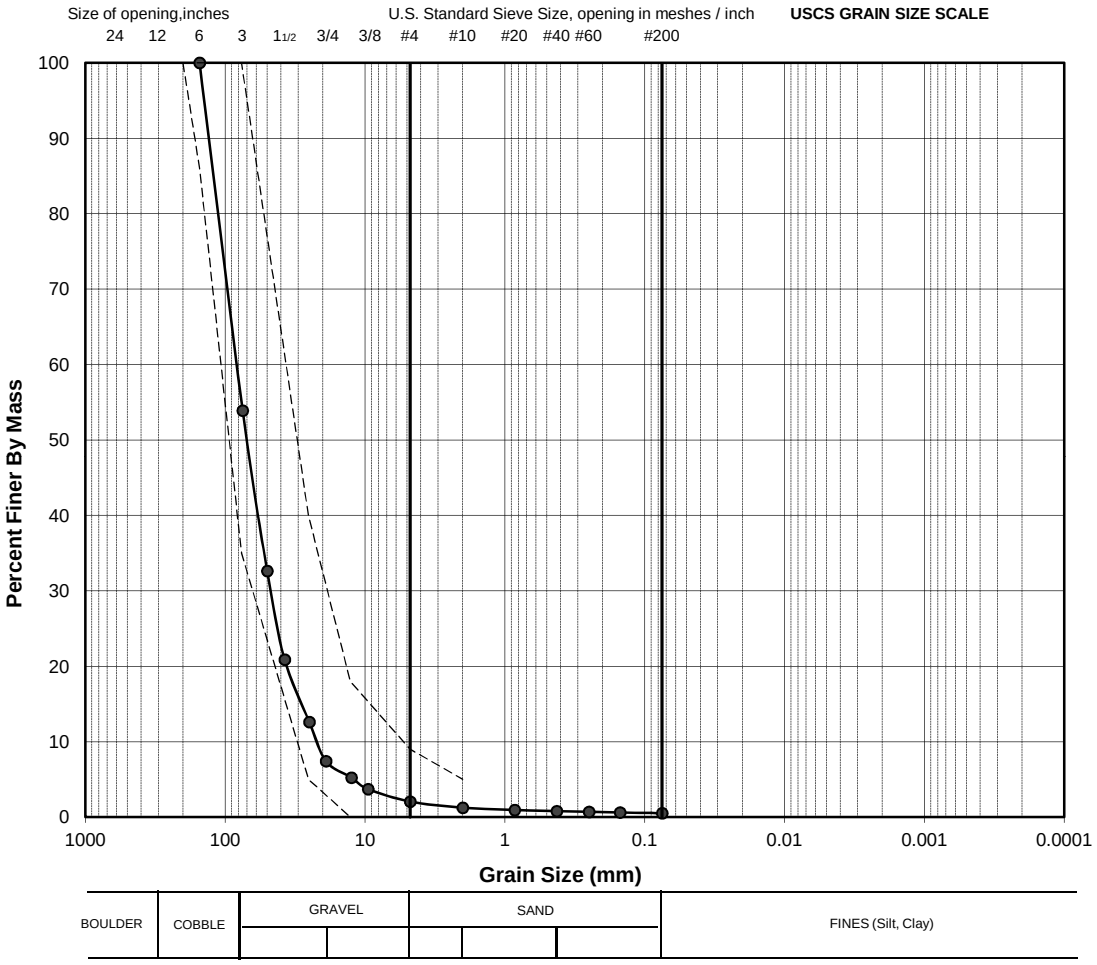
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**176**
Client:	AEM	**Field Label:**	SD1 101809-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA176
Remarks:	Water Content = 1.7%	**Date Sampled:**	October 18, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+285 El. 138.5	**Material Specification:**	Coarse filter
	Coarse filter layer in	**Method:**	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	53.9
2"	50.0	32.6
1.5"	37.5	20.9
1"	25.0	12.6
3/4"	19.0	7.4
1/2"	12.5	5.2
3/8"	9.5	3.7
#4	4.8	2.1
#10	2.0	1.2
#20	0.9	0.9
#40	0.4	0.8
#60	0.3	0.7
#100	0.2	0.6
#200	0.1	0.5



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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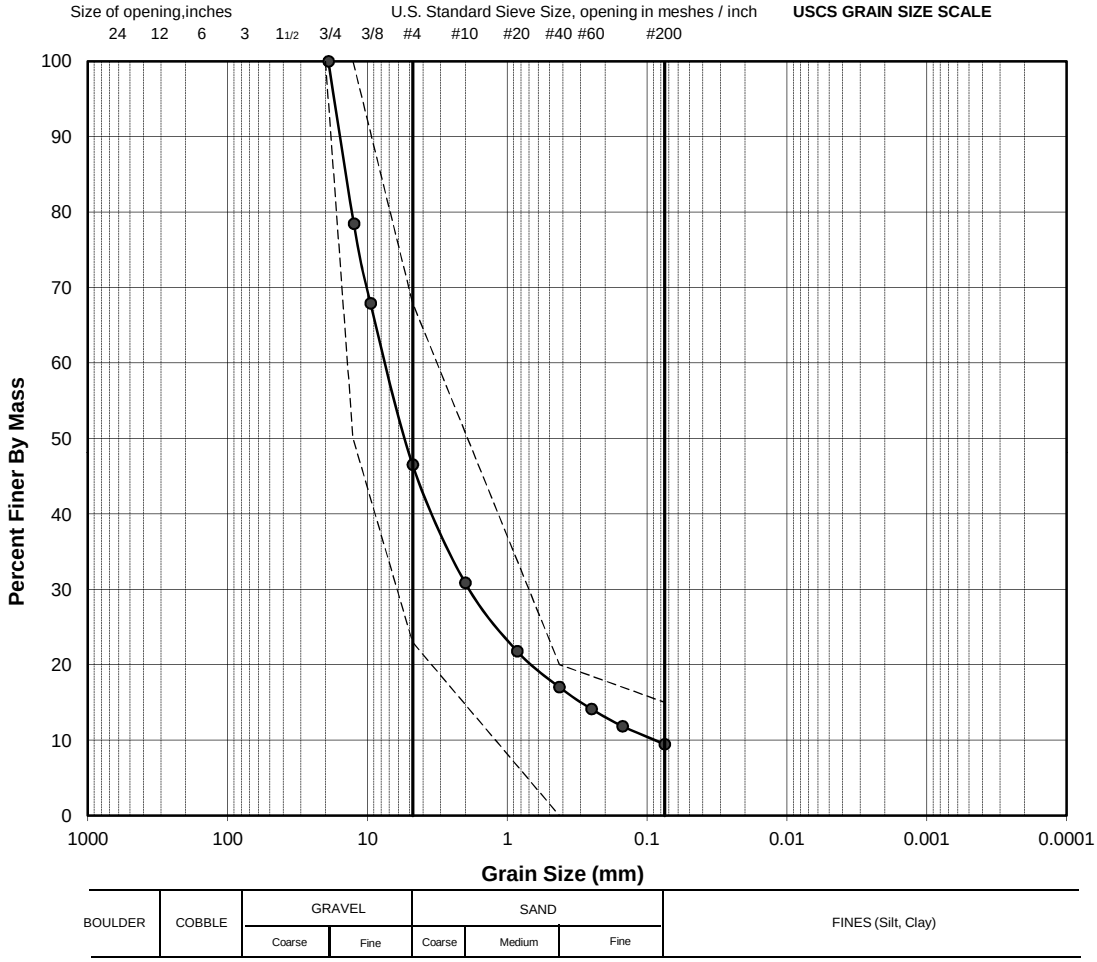
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**163**
Client:	AEM	**Field Label:**	SD1 101009-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA163
Remarks:	Water content=1.6%	**Date Sampled:**	October 10, 2009
Sta. Location:	SD1, Sta. 0+220 offset 60mE	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	100.0
1/2"	12.5	78.5
3/8"	9.5	67.9
#4	4.8	46.5
#10	2.0	30.9
#20	0.9	21.8
#40	0.4	17.0
#60	0.3	14.1
#100	0.2	11.8
#200	0.1	9.5



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Damian Edwards	October 31, 2009	Glen Rutherford	December 2, 2009
TESTED BY	DATE	CHECKED BY	DATE

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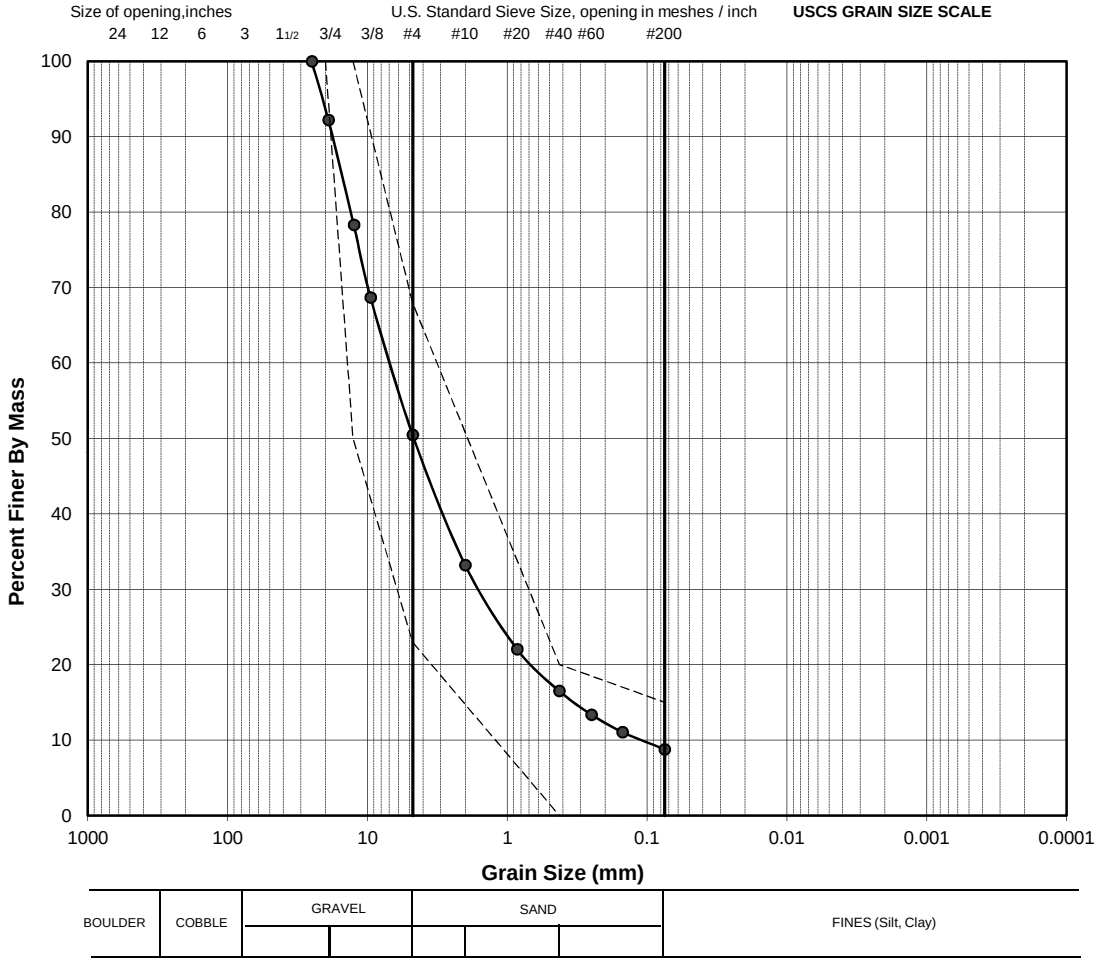
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**164**
Client:	AEM	**Field Label:**	SD1 101009-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA164
Remarks:	Water content= 1.4%	**Date Sampled:**	October 10, 2009
Sa. Location:	SANA crusher stockpile	**Material Specification:**	Fine filter
		Method:	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	92.2
1/2"	12.5	78.3
3/8"	9.5	68.7
#4	4.8	50.5
#10	2.0	33.2
#20	0.9	22.1
#40	0.4	16.5
#60	0.3	13.4
#100	0.2	11.1
#200	0.1	8.8



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Damian Edwards	October 31, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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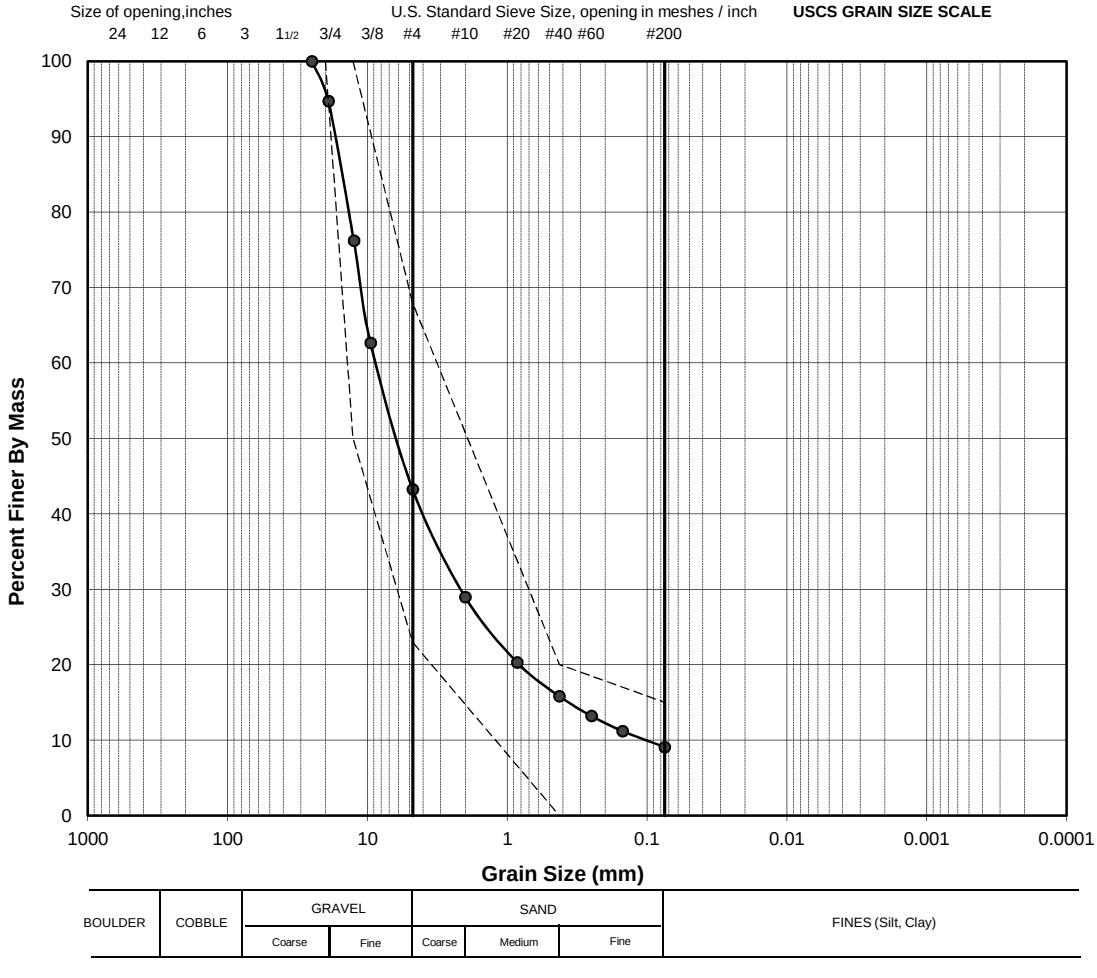
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**167**
Client:	AEM	**Field Label:**	SD1 101009-05
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 167
Remarks:	Water content=1.7%	**Date Sampled:**	October 10, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+280 El. 134.5m	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	November 1, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	94.7
1/2"	12.5	76.2
3/8"	9.5	62.7
#4	4.8	43.3
#10	2.0	29.0
#20	0.9	20.3
#40	0.4	15.8
#60	0.3	13.2
#100	0.2	11.2
#200	0.1	9.1



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Damian Edwards	November 1, 2009	Glen Rutherford	December 2, 2009
TESTED BY	DATE	CHECKED BY	DATE

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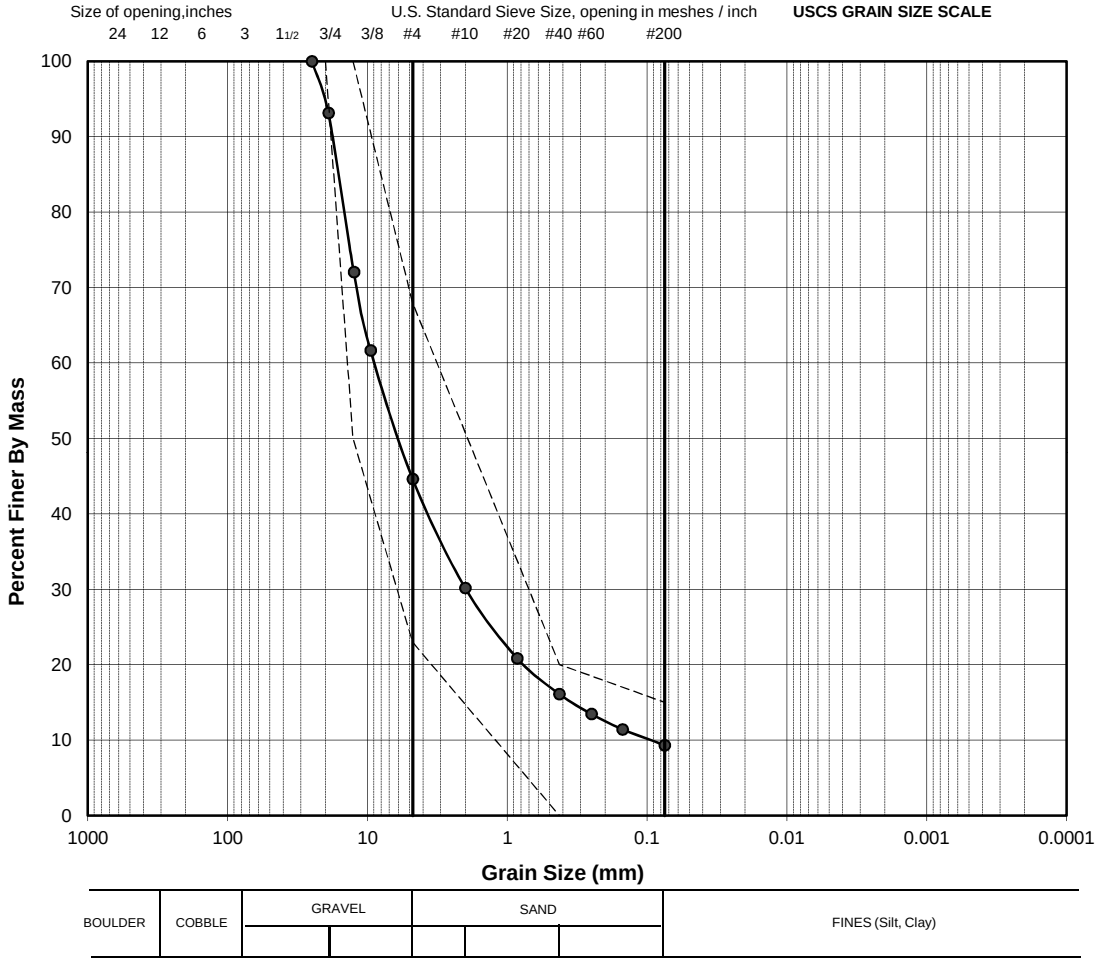
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**171**
Client:	AEM	**Field Label:**	SD1 101609-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA171
Remarks:	Water content= 1.8%	**Date Sampled:**	October 16, 2009
Sa. Location:	SD1, Sta. 0+240, offset 55mE 15mS	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	93.2
1/2"	12.5	72.1
3/8"	9.5	61.7
#4	4.8	44.6
#10	2.0	30.2
#20	0.9	20.8
#40	0.4	16.1
#60	0.3	13.5
#100	0.2	11.4
#200	0.1	9.3



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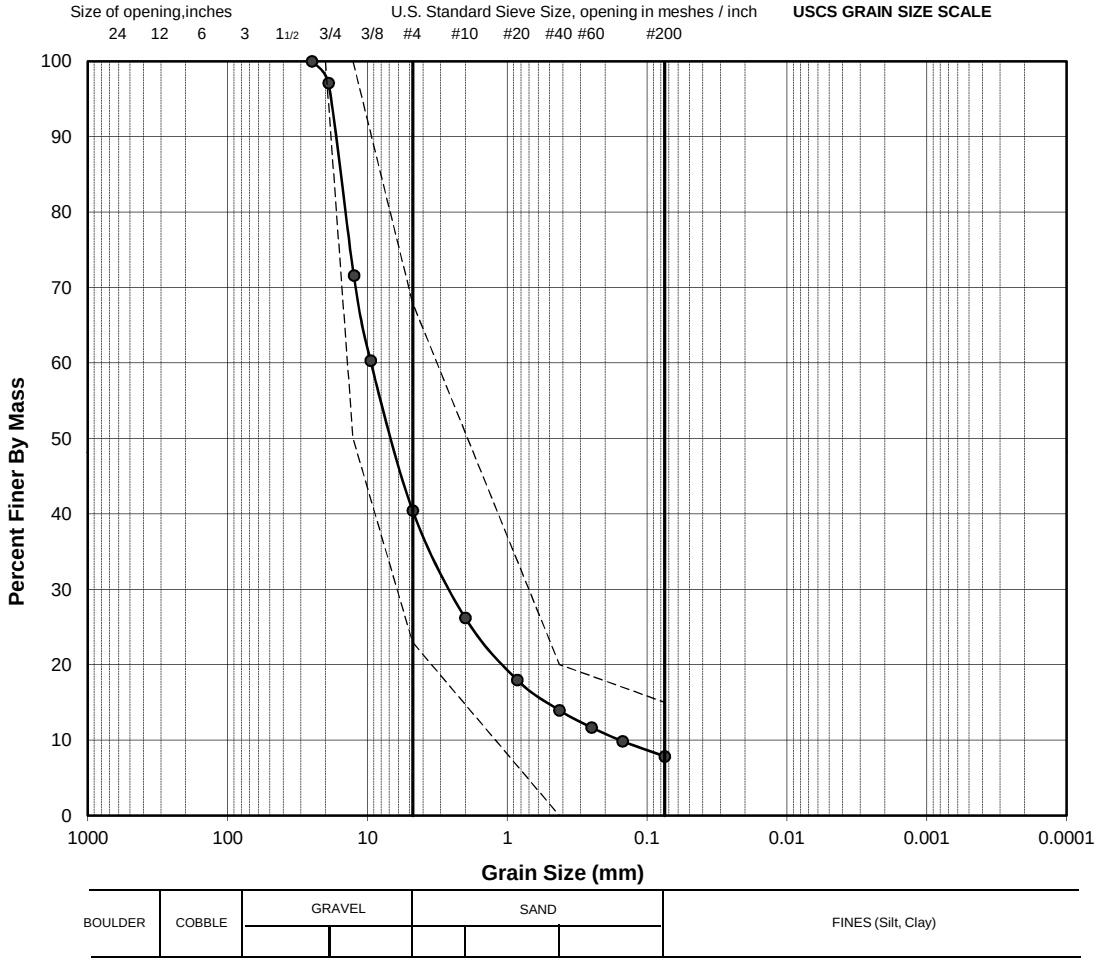
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**172**
Client:	AEM	**Field Label:**	SD1 101709-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA171
Remarks:	Water content=1.7%	**Date Sampled:**	October 17, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+225 El. 138.6m	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	November 1, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	97.1
1/2"	12.5	71.6
3/8"	9.5	60.3
#4	4.8	40.4
#10	2.0	26.2
#20	0.9	18.0
#40	0.4	14.0
#60	0.3	11.7
#100	0.2	9.9
#200	0.1	7.8



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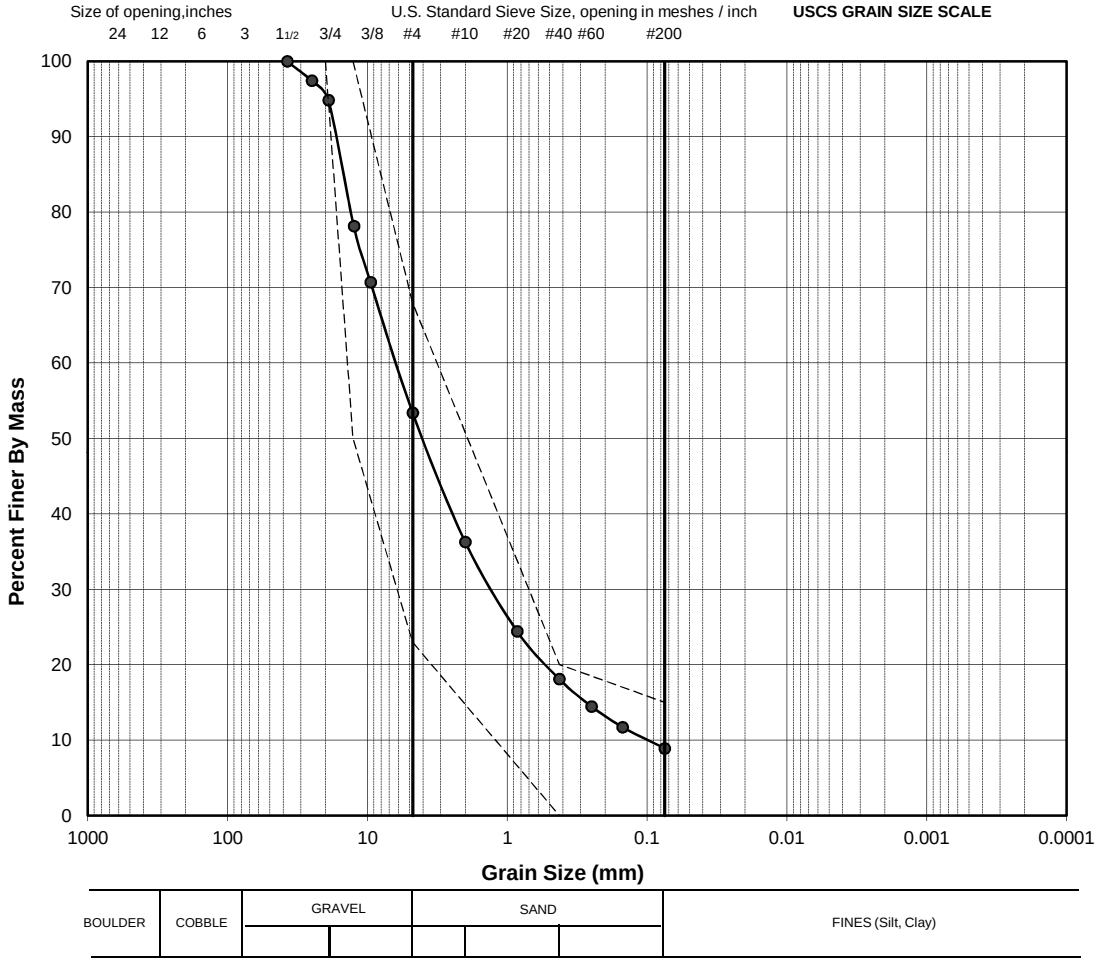
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**174**
Client:	AEM	**Field Label:**	SD1 101809-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA174
Remarks:	Water content=1.8%	**Date Sampled:**	October 18, 2009
Sa. Location:	SANA crusher stockpile	**Material Specification:**	Fine filter
		Method:	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	97.4
3/4"	19.0	94.8
1/2"	12.5	78.1
3/8"	9.5	70.7
#4	4.8	53.4
#10	2.0	36.3
#20	0.9	24.4
#40	0.4	18.1
#60	0.3	14.5
#100	0.2	11.7
#200	0.1	8.9



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Damian Edwards	October 31, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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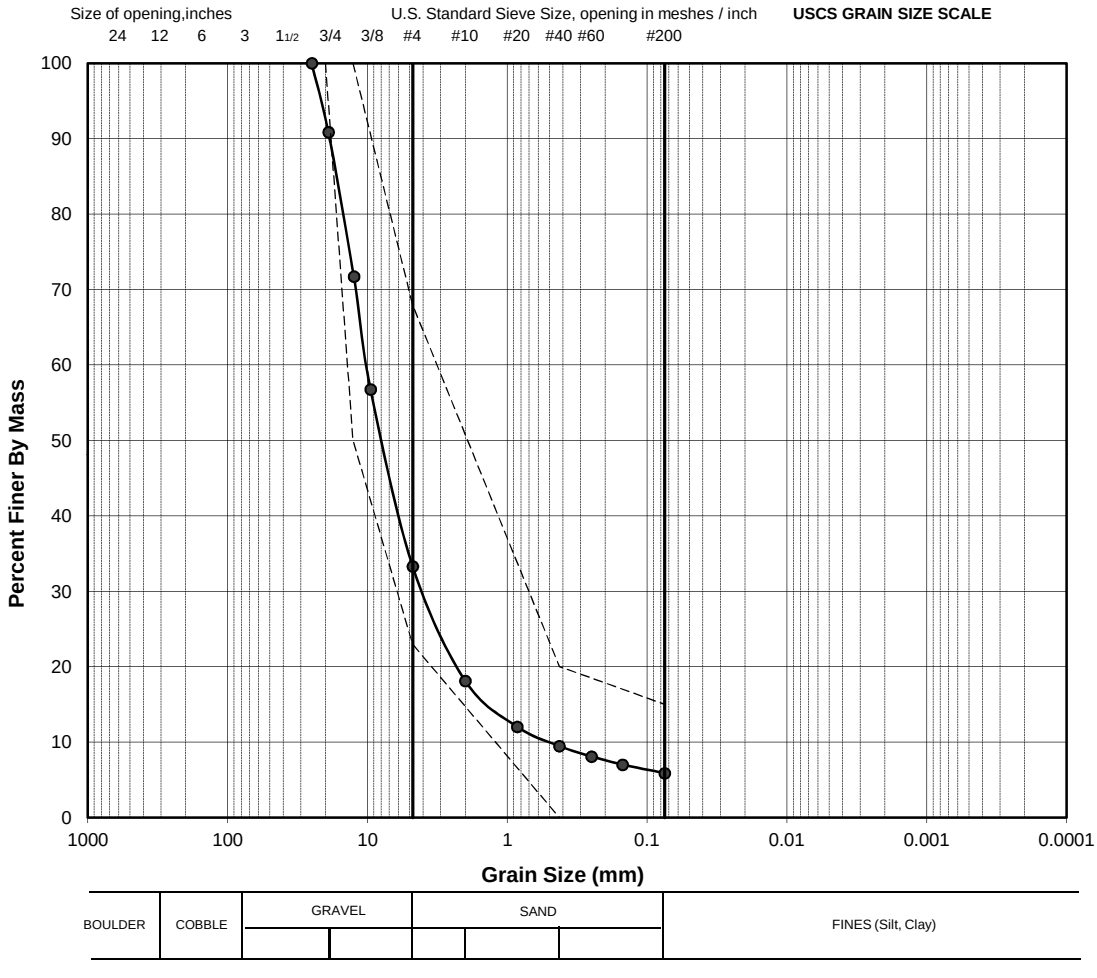
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**175**
Client:	AEM	**Field Label:**	SD1 101809-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA175
Remarks:	Water content= 1.3%	**Date Sampled:**	October 18, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+310 El. 137.5m	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.9
1/2"	12.5	71.7
3/8"	9.5	56.8
#4	4.8	33.3
#10	2.0	18.1
#20	0.9	12.0
#40	0.4	9.5
#60	0.3	8.1
#100	0.2	7.0
#200	0.1	5.9



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Damian Edwards	October 31, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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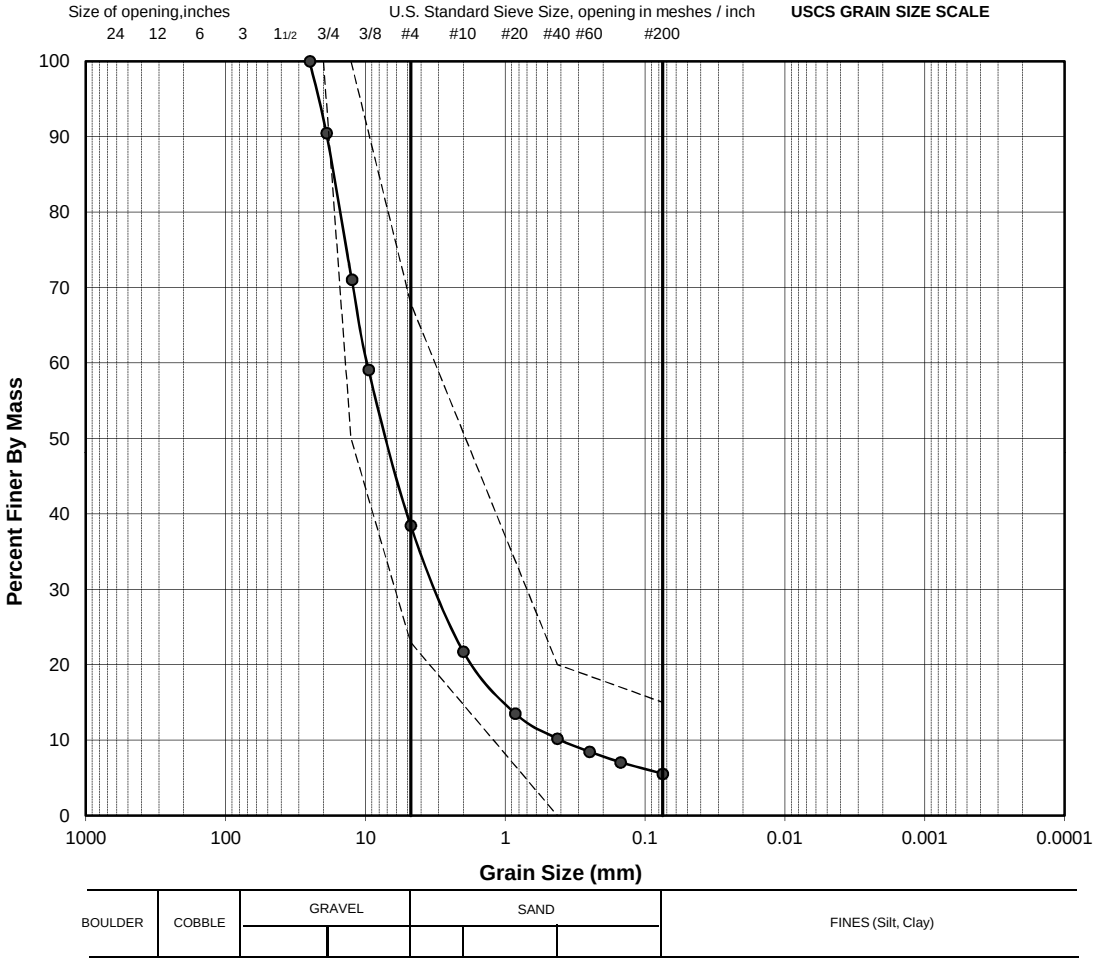
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**178**
Client:	AEM	**Field Label:**	SD1 102009-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA178
Remarks:	Water content=1.3%	**Date Sampled:**	October 20, 2009
Sa. Location:	SD1, Sta. 0+190 offset 45mE 10mS, El. 140.1	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	November 1, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.5
1/2"	12.5	71.0
3/8"	9.5	59.1
#4	4.8	38.4
#10	2.0	21.7
#20	0.9	13.5
#40	0.4	10.2
#60	0.3	8.5
#100	0.2	7.1
#200	0.1	5.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards	November 1, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

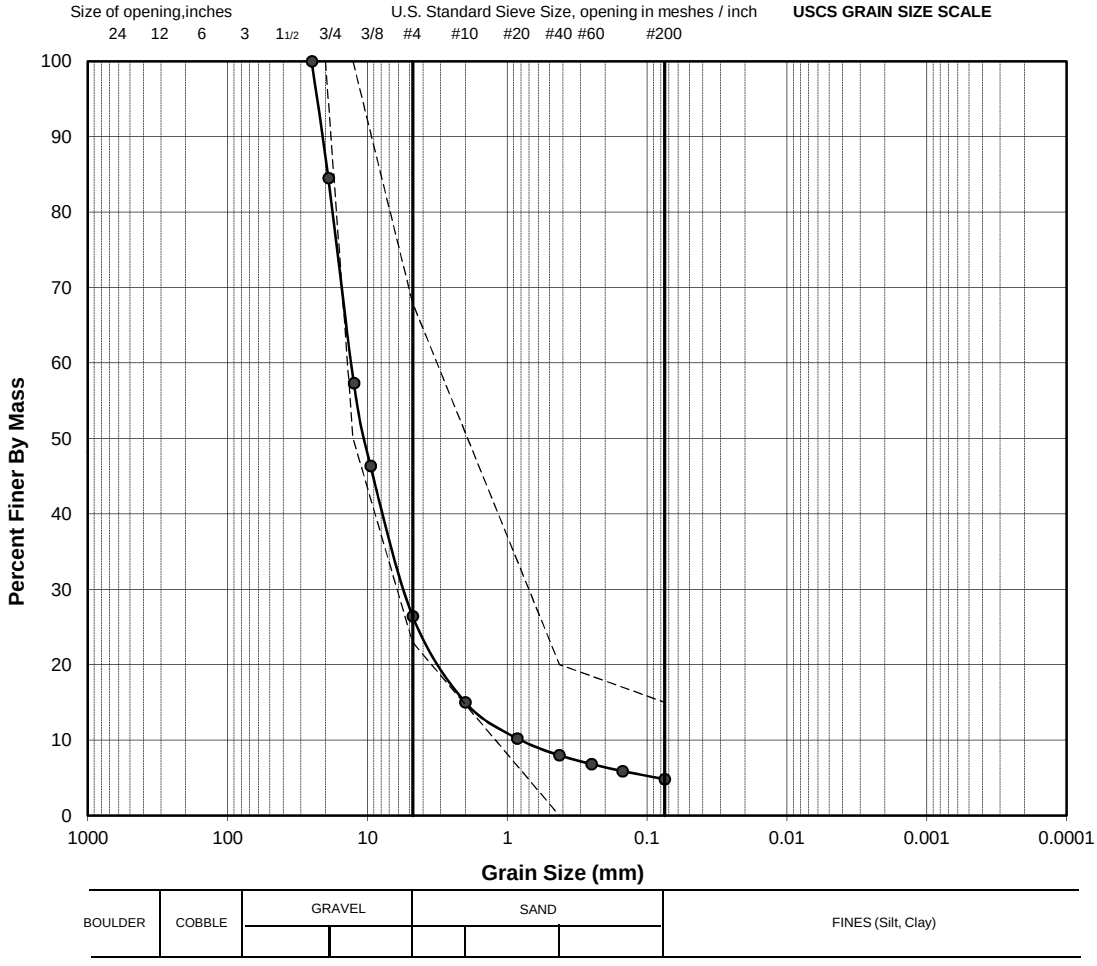
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**184**
Client:	AEM	**Field Label:**	SD1 103009-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA184
Remarks:	Water content=1.5%	**Date Sampled:**	October 30, 2009
Sa. Location:	SD1, Sta. 0+235 offset 70mE 15mS	**Material Specification:**	Fine filter
	Fine filter layer in place	**Method:**	COMBINED, WASHED
		Date Tested:	November 2, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	84.5
1/2"	12.5	57.3
3/8"	9.5	46.4
#4	4.8	26.4
#10	2.0	15.0
#20	0.9	10.2
#40	0.4	8.0
#60	0.3	6.8
#100	0.2	5.9
#200	0.1	4.8



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards	November 2, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: October 29, 2009
Report: S785-003-38861A

IDENTIFICATION: Geomembrane seam: DT-2, DT-3, DT-7, DT-8
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: October 29, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

TEST CONDITIONS: Sample(s) not conditioned;
Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
Note: SE1= Break in outer edge of seam; BRK= Break in sheeting; SIP= Separation in the plane of the sheet; AD-BRK= Break in first seam after some adhesion failure; AD= Adhesion failure (side A or B).
Cross head speed (mm/min.): 500; Tested October 29, 2009

RESULTS:

	Individual Data					Avg.	S.D.	% CV
DT-2								
SHEAR	..							
Maximum Strength (kN/m):	30.1	29.9	29.5			**29.8**	0.3	**1.0**
Maximum Strength (lb/in):	171.6	170.9	168.4			**170.3**	1.7	**1.0**
Locus of break:	SE1	SE1	SE1					
Elongation at break (%):	783	803	903					
PEEL	SIDE A							
Maximum Strength (kN/m):	25.6	25.1	25.2	25.7	25.4	**25.4**	0.3	**1.0**
Maximum Strength (lb/in):	146.3	143.5	143.9	146.7	145.2	**145.1**	1.4	**1.0**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	24.9	24.7	24.7	24.6	25.0	**24.8**	0.2	**0.7**
Maximum Strength (lb/in):	142.5	140.9	140.9	140.5	142.6	**141.5**	1.0	**0.7**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President

Date: October 29, 2009

For any information concerning this report, please contact Eric Blond

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GroupeCTTGroup
Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: October 29, 2009
Report: S785-003-38861A

IDENTIFICATION: Geomembrane seam: DT-2, DT-3, DT-7, DT-8
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: October 29, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):	Individual Data					Avg.	S.D.	% CV
DT-3								
SHEAR	..							
Maximum Strength (kN/m):	29.4	29.5	29.4	29.3	29.3	**29.4**	0.1	**0.3**
Maximum Strength (lb/in):	167.6	168.6	167.7	167.4	167.5	**167.8**	0.5	**0.3**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1430	1477	960	1573	1357			
PEEL	SIDE A							
Maximum Strength (kN/m):	23.3	25.0	24.5	24.4	24.4	**24.3**	0.6	**2.6**
Maximum Strength (lb/in):	132.8	142.7	139.7	139.3	139.4	**138.8**	3.6	**2.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	23.9	23.2	23.4	23.1	23.8	**23.5**	0.4	**1.5**
Maximum Strength (lb/in):	136.2	132.6	133.5	131.9	135.7	**134.0**	1.9	**1.4**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President

Date: October 29, 2009

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Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
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Mrs Fiona Esford
Golder Associates Ltd

Date: October 29, 2009
Report: S785-003-38861A

IDENTIFICATION: Geomembrane seam: DT-2, DT-3, DT-7, DT-8
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: October 29, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):	Individual Data					Avg.	S.D.	% CV
DT-7								
SHEAR								
Maximum Strength (kN/m):	27.7	27.6	27.4	27.1	27.1	**27.4**	0.3	**1.0**
Maximum Strength (lb/in):	158.2	157.8	156.7	154.7	154.7	**156.4**	1.7	**1.1**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1083	1150	1087	1147	1033			
PEEL	SIDE A							
Maximum Strength (kN/m):	21.0	21.2	21.0	20.8	20.3	**20.9**	0.3	**1.6**
Maximum Strength (lb/in):	120.0	120.9	120.1	118.8	116.2	**119.2**	1.8	**1.5**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	22.8	23.5	22.1	21.7	21.4	**22.3**	0.9	**3.8**
Maximum Strength (lb/in):	130.1	134.0	126.4	123.7	122.0	**127.2**	4.9	**3.8**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: October 29, 2009

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GroupeCTTGroup
Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: October 29, 2009
Report: S785-003-38861A

IDENTIFICATION: Geomembrane seam: DT-2, DT-3, DT-7, DT-8
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: October 29, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-8								
SHEAR	..							
Maximum Strength (kN/m):	27.3	27.7	27.4	27.3	27.4	**27.4**	0.2	**0.6**
Maximum Strength (lb/in):	155.8	158.1	156.7	156.0	156.2	**156.6**	0.9	**0.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1100	937	1017	1067	1027			
PEEL	SIDE A							
Maximum Strength (kN/m):	22.6	23.2	21.8	22.1	22.7	**22.5**	0.5	**2.4**
Maximum Strength (lb/in):	128.8	132.4	124.6	125.9	129.6	**128.3**	3.1	**2.4**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	23.4	18.5	23.7	22.6	22.9	**22.2**	2.1	**9.6**
Maximum Strength (lb/in):	133.7	105.4	135.1	129.1	130.6	**126.8**	12.2	**9.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

REMARKS: DT-2: The size of the sample received was not sufficient to conduct the number of specimens required by the test method.

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: October 29, 2009

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: November 17, 2009
Report: S785-003-39341A

IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

TEST CONDITIONS: Sample(s) not conditioned;
Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
Note: SE1= Break in outer edge of seam; BRK= Break in sheeting; SIP= Separation in the plane of the sheet; AD-BRK= Break in first seam after some adhesion failure; AD= Adhesion failure (side A or B).
Cross head speed (mm/min.): 500; Tested November 17, 2009

RESULTS:

	Individual Data					Avg.	S.D.	% CV
DT-10								
SHEAR	..							
Maximum Strength (kN/m):	26.4	26.5	26.6	26.5	26.5	**26.5**	0.1	**0.3**
Maximum Strength (lb/in):	150.9	151.3	151.8	151.6	151.2	**151.4**	0.4	**0.2**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1087	1100	1113	1167	1020			
PEEL	SIDE A							
Maximum Strength (kN/m):	22.9	21.3	21.5	21.4	22.5	**21.9**	0.7	**3.3**
Maximum Strength (lb/in):	130.6	121.9	122.6	122.4	128.6	**125.2**	4.1	**3.2**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	22.4	22.3	22.1	24.6	21.6	**22.6**	1.2	**5.1**
Maximum Strength (lb/in):	128.2	127.1	126.3	140.4	123.6	**129.1**	6.5	**5.1**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: November 17, 2009

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: November 17, 2009
Report: S785-003-39341A

IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-12								
SHEAR	..							
Maximum Strength (kN/m):	26.0	26.1	26.0	26.1		**26.1**	0.1	**0.2**
Maximum Strength (lb/in):	148.3	149.2	148.6	148.8		**148.7**	0.4	**0.3**
Locus of break:	SE1	SE1	SE1	SE1				
Elongation at break (%):	1113	880	997	1027				
PEEL	SIDE A							
Maximum Strength (kN/m):	21.2	19.3	20.5	20.1	19.7	**20.2**	0.7	**3.6**
Maximum Strength (lb/in):	120.9	110.1	117.2	114.6	112.3	**115.0**	4.2	**3.7**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	24.7	24.5	24.6	24.6	23.1	**24.3**	0.7	**2.8**
Maximum Strength (lb/in):	141.3	139.9	140.8	140.4	131.6	**138.8**	4.1	**2.9**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President

Date: November 17, 2009

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Date: November 17, 2009
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IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-14								
SHEAR	..							
Maximum Strength (kN/m):	28.7	28.7	28.8	28.5		**28.7**	0.1	**0.4**
Maximum Strength (lb/in):	163.9	164.0	164.2	162.7		**163.7**	0.7	**0.4**
Locus of break:	SE1	SE1	SE1	SE1				
Elongation at break (%):	567	1483	1080	847				
PEEL	SIDE A							
Maximum Strength (kN/m):	24.1	23.5	24.5	23.6	24.3	**24.0**	0.4	**1.8**
Maximum Strength (lb/in):	137.7	134.2	139.6	134.6	138.7	**137.0**	2.4	**1.8**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	24.1	23.8	24.0	24.2	24.5	**24.1**	0.3	**1.1**
Maximum Strength (lb/in):	137.9	135.7	136.9	138.3	140.0	**137.8**	1.6	**1.2**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: November 17, 2009

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Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: November 17, 2009
Report: S785-003-39341A

IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-17								
SHEAR	..							
Maximum Strength (kN/m):	25.4	25.5	25.5	25.6	26.1	**25.6**	0.3	**1.1**
Maximum Strength (lb/in):	144.9	145.3	145.4	146.4	149.1	**146.2**	1.7	**1.2**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1887	1800	1713	1740	1880			
PEEL	SIDE A							
Maximum Strength (kN/m):	21.5	21.6	21.6	21.8	21.7	**21.6**	0.1	**0.5**
Maximum Strength (lb/in):	122.6	123.6	123.3	124.4	124.0	**123.6**	0.7	**0.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	22.8	23.1	23.3	21.9	21.6	**22.5**	0.8	**3.3**
Maximum Strength (lb/in):	130.4	132.1	133.1	125.2	123.3	**128.8**	4.3	**3.4**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: November 17, 2009

For any information concerning this report, please contact Eric Blond*

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: November 17, 2009
Report: S785-003-39341A

IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-19								
SHEAR	..							
Maximum Strength (kN/m):	26.1	25.9	25.8	26.1		**26.0**	0.2	**0.6**
Maximum Strength (lb/in):	149.0	147.6	147.2	149.2		**148.3**	1.0	**0.7**
Locus of break:	SE1	SE1	SE1	SE1				
Elongation at break (%):	1087	1197	1183	2017				
PEEL	SIDE A							
Maximum Strength (kN/m):	22.6	22.8	22.1	22.9	22.3	**22.5**	0.3	**1.5**
Maximum Strength (lb/in):	128.9	130.2	126.0	131.0	127.1	**128.6**	2.1	**1.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	22.5	22.5	23.0	22.9	21.4	**22.5**	0.6	**2.8**
Maximum Strength (lb/in):	128.7	128.4	131.4	130.6	122.2	**128.3**	3.6	**2.8**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: November 17, 2009

For any information concerning this report, please contact Eric Blond

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ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
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Date: November 17, 2009
Report: S785-003-39341A

IDENTIFICATION: Geomembrane seam: DT-10, DT-12, DT-14, DT-17, DT-19, DT-21
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: November 17, 2009

STANDARD:

TEST: Determining the Integrity of Nonreinforced Geomembrane-Seams Produced Using Thermo-Fusion Methods — ASTM D6392 - 08

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT-21								
SHEAR	..							
Maximum Strength (kN/m):	26.7	26.9	26.9	26.5	26.6	**26.7**	0.2	**0.7**
Maximum Strength (lb/in):	152.7	153.8	153.5	151.6	151.9	**152.7**	1.0	**0.6**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Elongation at break (%):	1207	1047	963	1210	1173			
PEEL	SIDE A							
Maximum Strength (kN/m):	18.7	23.4	21.7	21.7	17.2	**20.5**	2.5	**12.3**
Maximum Strength (lb/in):	106.8	133.4	123.7	123.7	98.2	**117.2**	14.3	**12.2**
Locus of break:	AD-BRK	SE1	SE1	SE1	SE1			
Separation (%):	15	0	0	0	0			
PEEL.	SIDE B							
Maximum Strength (kN/m):	25.4	25.7	25.3	25.3	25.0	**25.3**	0.3	**1.0**
Maximum Strength (lb/in):	145.3	146.7	144.4	144.6	142.9	**144.8**	1.4	**1.0**
Locus of break:	SE1	SE1	SE1	SE1	SE1			
Separation (%):	0	0	0	0	0			

REMARKS: DT-12, DT-14 and DT-19: The size of the sample received was not sufficient to conduct the number of specimens required by the test method.

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: November 17, 2009

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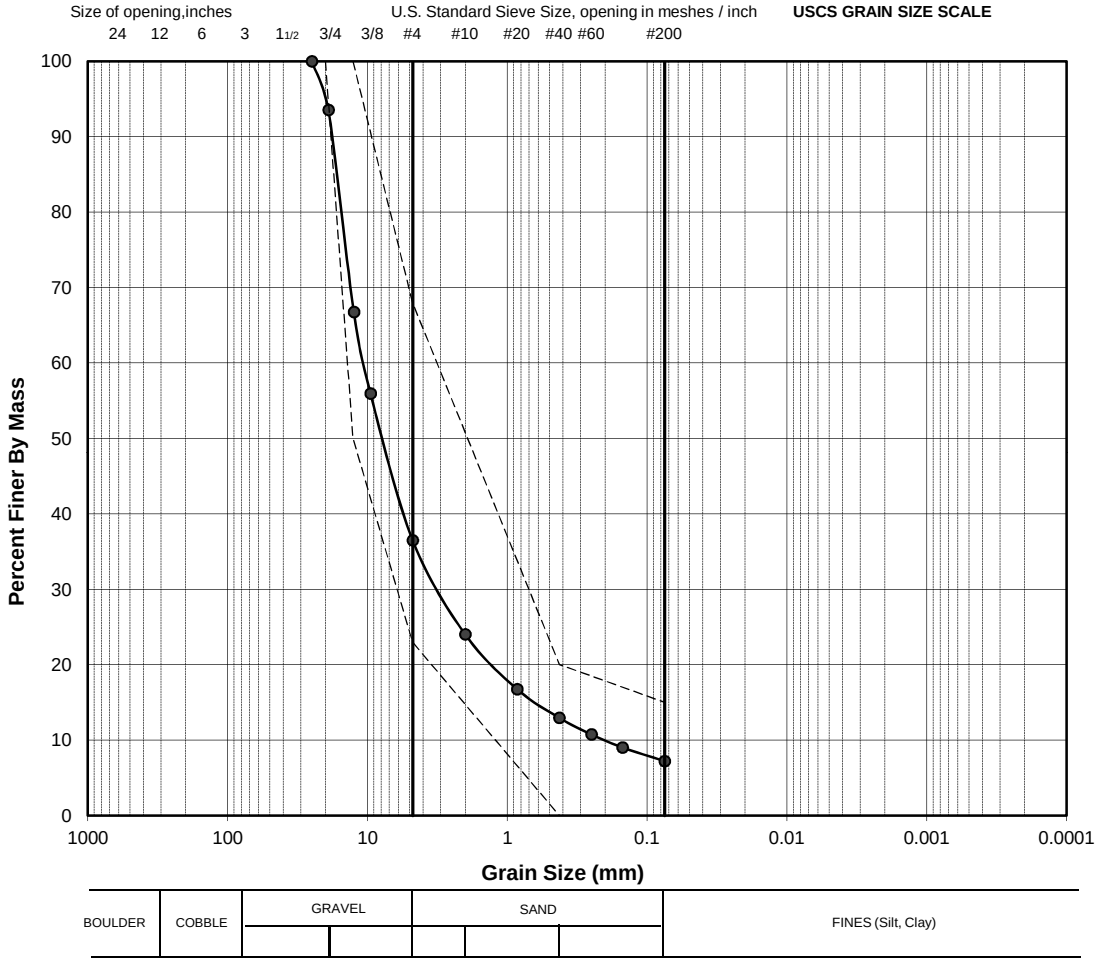
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**187**
Client:	AEM	**Field Label:**	SD1 103109-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA187
Remarks:	Water content= 1.5%	**Date Sampled:**	October 31, 2009
Sa. Location:	SD1, Sta. 0+265 offset 60mE 15mS	**Material Specification:**	Fine filter
	Liner cover in place	**Method:**	COMBINED, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	93.6
1/2"	12.5	66.8
3/8"	9.5	56.0
#4	4.8	36.5
#10	2.0	24.0
#20	0.9	16.8
#40	0.4	13.0
#60	0.3	10.8
#100	0.2	9.0
#200	0.1	7.2



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	08-1428-0029	Remarks:	Samples of till from SD1 for ice rich determination
Short Title:	Meadowbank Gold Project		
Client:	AEM		
Location:	Nunavut	Date Sampled:	September 27, 2009
Lab ID:	Samples 109 to 113		

Field Label	SD1 092709-01	SD1 092709-02	SD1 092709-03	SD1 092709-04	SD1 092709-05
Sample Number	109	110	111	112	113
Sample Location	Sta. 0+220 offset 35m	Sta. 0+220 offset 50m	Sta. 0+190 offset 55m	Sta. 0+215 offset 70m	Sta. 0+220 offset 45m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	surface	1.0m	surface	surface	surface
Mass of Dry Soil (g)	682.2	634.2	537.1	1204.4	878.4
Water Content W (%)	**31.9**	**44.2**	**62.2**	**17.3**	**46.7**

TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED
DE	September 27, 2009		

Golder Associates Ltd.
500 - 4260 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6C6
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Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	09-1428-5007 (2000)	Remarks:	Samples of till from SD1 for ice rich determination
Short Title:	Meadowbank Gold Project		
Client	AEM		
Location	Nunavut	Date Sampled:	September 28, 2009
Lab ID	SA 114 - 118		

Borehole	SD1 092809-01	SD1 092809-02	SD1 092809-03	SD1 092809-04	SD1 092809-05
Sample Number	114	115	116	117	118
Sample Location	Sta. 0+195 offset 30m	Sta. 0+195 offset 50m	Sta. 0+195 offset 75m	Sta. 0+210 offset 60m	Sta. 0+215 offset 20m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	Surface	Surface	Surface	Surface	Surface
Mass of Dry Soil (g)	1076.6	175.9	254.8	253.5	210.6
Water Content W (%)	**35.9**	**31.4**	**18.3**	**37.0**	**41.7**

DE	September 28, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

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Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	08-1428-0029 (5000)	Remarks:	Samples of till from SD1 for ice rich determination
Short Title:	Meadowbank Gold Project		
Client	AEM		
Location	Nunavut	Date Sampled:	September 29, 2009
Lab ID:	SA 120 to 127		

Field Number	SD1092809-06	SD1092809-07	SD1092809-08	SD1092809-09	SD1092809-10
Sample Number	120	121	122	123	124
Sample Location	Sta. 0+215 offset 70m	Sta. 0+210 offset 55m	Sta. 0+220 offset 60m	Sta. 0+210 offset 45m	Sta. 0+220 offset 45m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	Surface	Surface	Surface	Surface	Surface
Mass of Dry Soil (g)	1171.7	912.2	657.1	850.4	1334.2
Water Content W (%)	**12.0**	**25.3**	**32.9**	**19.2**	**25.8**

Field Number	SD1092809-11	SD1092809-12	SD1092809-13		
Sample Number	125	126	127		
Sample Location	Sta. 0+205 offset 30m	Sta. 0+225 offset 40m	Sta. 0+225 offset 20m		
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade		
Depth (m)	Surface	Surface	Surface		
Mass of Dry Soil (g)	474.4	617.4	619.6		
Water Content W (%)	**48.8**	**37.8**	**12.3**		

DE	September 29, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

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Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	09-1428-5007	Remarks:	Samples of till from SD1 for ice rich determination
Short Title:	Meadowbank Gold Mine		
Client	AEM		
Location	Nunavut	Date Sampled:	October 7, 2009
Lab ID	Sheet No. 1		

Field Label	SD1071009-01	SD1071009-02	SD1071009-03	SD1071009-04	SD1071009-05	SD1071009-06
Sample Number	128	129	130	131	132	133
Sample Location	Sta. 0+208 offset 42m	Sta. 0+216 offset 41m	Sta. 0+216 offset 41m	Sta. 0+219 offset 53m	Sta. 0+219 offset 53m	Sta. 0+229 offset 53m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	0.45	0.25 - 0.45	1.65	0.0 - 0.6	0.6 - 1.2	0.0 - 0.3
Mass of Dry Soil (g)	78.6	74.4	125.8	40.7	92.8	62.4
Water Content W (%)	**4.8**	**20.7**	**9.6**	**33.9**	**14.8**	**21.8**

Field Label	SD1071009-07	SD1071009-08	SD1071009-09	SD1071009-10	SD1071009-11	SD1071009-12
Sample Number	134	135	136	137	138	139
Sample Location	Sta. 0+229 offset 53m	Sta. 0+229 offset 53m	Sta. 0+228 offset 43m	Sta. 0+228 offset 43m	Sta. 0+236 offset 41m	Sta. 0+236 offset 41m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	0.4 - 0.8	0.8 - 1.4	0.0 - 0.45	0.5 - 0.8	0.0 - 0.45	0.45 - 0.8
Mass of Dry Soil (g)	99.2	138.9	93.0	68.9	103.9	79.5
Water Content W (%)	**16.6**	**12.5**	**17.2**	**20.2**	**15.7**	**16.7**

Field Label	SD1071009-13	SD1071009-14	SD1071009-15	SD1071009-16	SD1071009-17	SD1071009-18
Sample Number	140	141	142	143	144	145
Sample Location	Sta. 0+243 offset 48m	Sta. 0+243 offset 48m	Sta. 0+243 offset 48m	Sta. 0+252 offset 47m	Sta. 0+252 offset 47m	Sta. 0+252 offset 47m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	0.0 - 0.45	0.5 - 0.8	0.8 - 1.4	0.0 - 0.4	0.45 - 0.9	0.9 - 1.5
Mass of Dry Soil (g)	132.6	181.4	168.1	175.9	203.1	175.7
Water Content W (%)	**14.9**	**15.2**	**9.5**	**5.5**	**8.8**	**7.7**

Field Label	SD1071009-19	SD1071009-20	SD1071009-21	SD1071009-22	SD1100909-1	SD1100909-2
Sample Number	146	147	148	149	150	151
Sample Location	Sta. 0+200 offset 26m	Sta. 0+200 offset 26m	Sta. 0+200 offset 26m	Sta. 0+200 offset 26m	Sta. 0+220 offset 50m	Sta. 0+215 offset 45m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	0.0 - 0.4	0.4 - 0.8	1.8 - 2.3	2.3 - 3.7	-	-
Mass of Dry Soil (g)	139.5	159.3	177.0	194.2	72.1	57.2
Water Content W (%)	**6.9**	**13.2**	**10.8**	**9.0**	**111.9**	**83.0**

JV	October 7, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

Golder Associates Ltd.
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Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	09-1428-5007	Remarks:	Samples of till from SD1 for ice rich determination
Short Title:	Meadowbank Gold Mine		
Client	AEM		
Location	Nunavut	Date Sampled:	October 7, 2009
Lab ID	Sheet No. 1		

Field Label	SD1100909-3	SD1100909-4	SD1100909-5	SD1100909-6	SD1100909-7	SD1100909-8
Sample Number	152	153	154	155	156	157
Sample Location	Sta. 0+210 offset 50m	Sta. 0+220 offset 60m	Sta. 0+215 offset 60m	Sta. 0+200 offset 60m	Sta. 0+190 offset 50m	Sta. 0+210 offset 70m
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	-	-	-	-	-	Elev. 130
Mass of Dry Soil (g)	69.5	53.9	105.2	108.8	118.6	734.1
Water Content W (%)	**81.4**	**166.8**	**49.1**	**29.0**	**24.5**	**38.8**

Field Label	SD1100909-9	SD1100909-10	SD1100909-11	SD1100909-12	SD1100909-13	SD1101009-3
Sample Number	158	159	160	161	162	165
Sample Location	Sta. 0+210 offset 72m	Sta. 0+224 offset 64m	Sta. 0+225 offset 72m	Sta. 0+227 offset 70m	Sta. 0+228 offset 60m	Sta. 0+256
Material Spec.	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade	SD1 subgrade
Depth (m)	-	-	-	-	-	-
Mass of Dry Soil (g)	690.3	759.4	1272.2	1031.0	1228.8	894.1
Water Content W (%)	**57.3**	**54.8**	**11.4**	**8.0**	**19.0**	**21.8**

Field Label	SD1101009-4
Sample Number	166
Sample Location	Sta. 0+248
Material Spec.	SD1 subgrade
Depth (m)	Elev. 130.4
Mass of Dry Soil (g)	759.5
Water Content W (%)	**23.5**

JV	October 7, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

Golder Associates Ltd.
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Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road

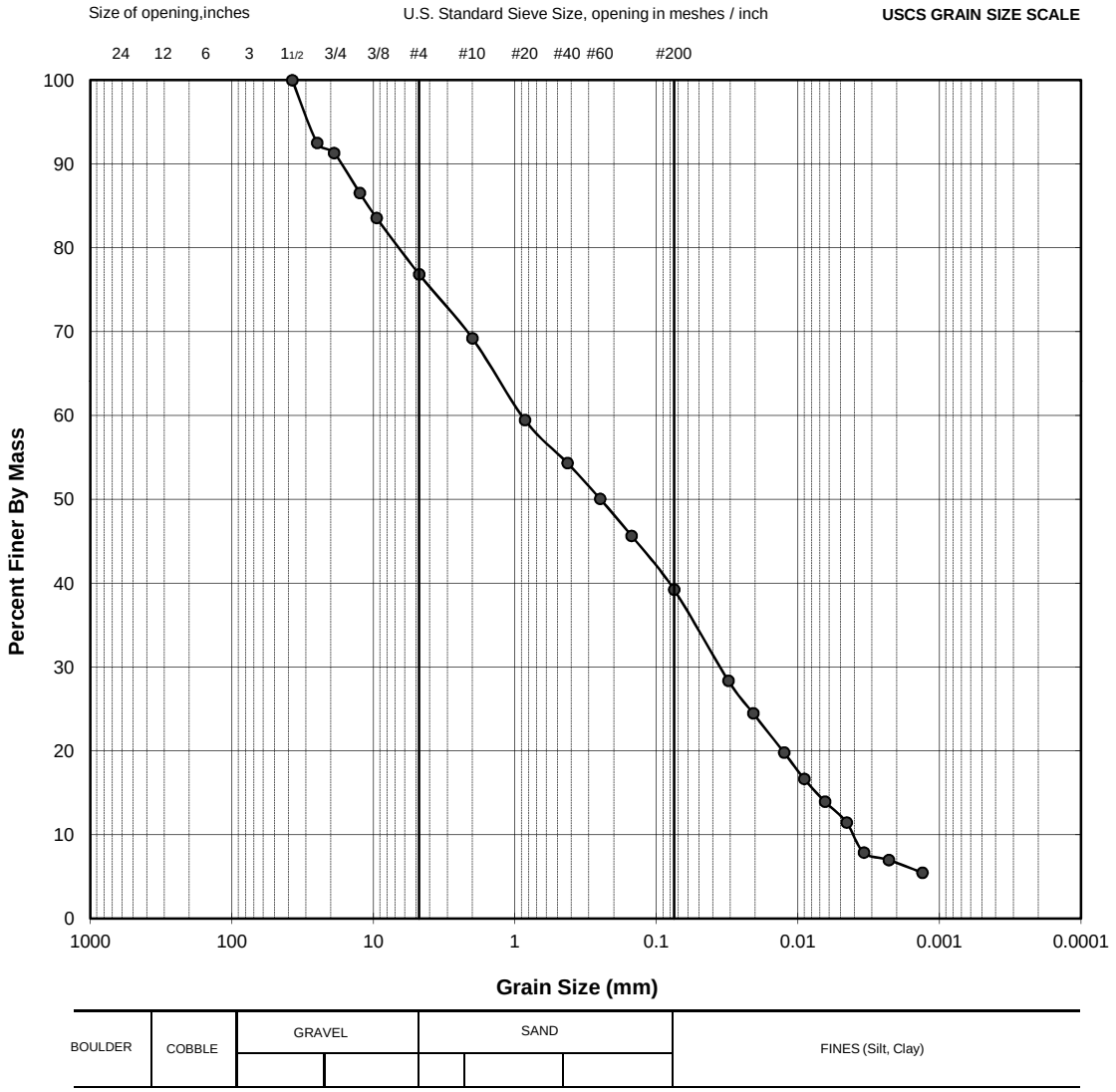
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**165**
Client:	AEM	**Field No.:**	SD1 101009-03
Project:	Meadowbank Gold Project	**Depth (m):**	N/A
Location:	Nunavut	**Lab ID No:**	SA165

Specific Gravity (assumed):	2.70	**Material:**	TILL
Date Sampled:	October 10, 2009	**Sample Loc:**	Saddel Dam 1, Sta. 0+256 El. 131.9m Till plug
Dispersion Method:	Stirring		
Dispersion Period (min):	960.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	75.00	100.0
2"	50.00	100.0
1.5"	37.50	100.0
1"	25.00	92.5
3/4"	19.00	91.3
1/2"	12.50	86.6
3/8"	9.50	83.6
#4	4.75	76.8
#10	2.00	69.2
#20	0.850	59.5
#40	0.425	54.3
#60	0.250	50.1
#100	0.150	45.6
#200	0.075	39.2
-	0.0310	28.4
-	0.0207	24.5
-	0.0125	19.8
-	0.0090	16.7
-	0.0064	13.9
-	0.0045	11.5
-	0.0034	7.9
-	0.0023	7.0
-	0.0013	5.5
-		



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Damian Edwards	November 3, 2009	Glen Rutherford	December 4, 2009
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road

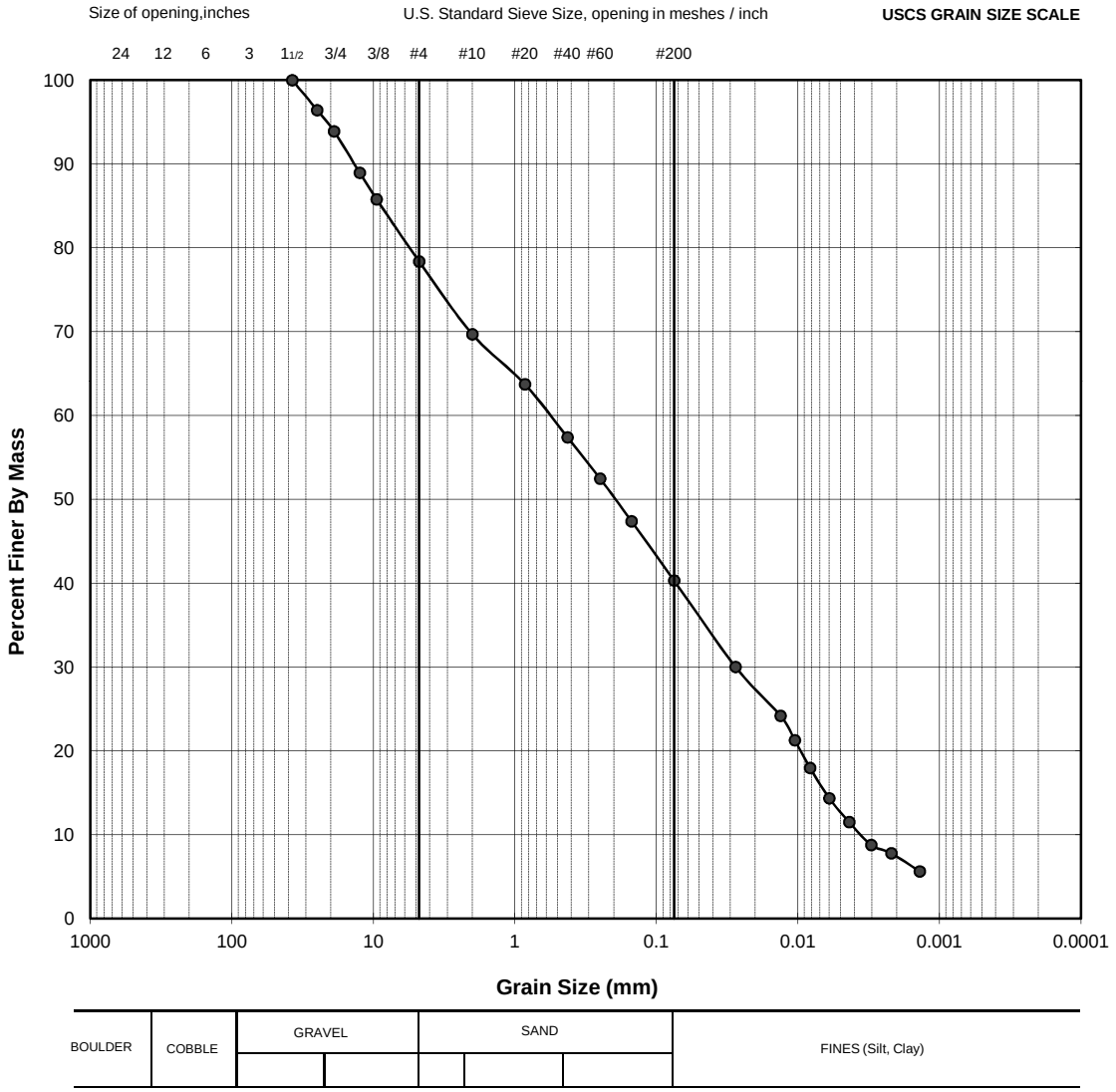
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**166**
Client:	AEM	**Field No.:**	SD1 101009-04
Project:	Meadowbank Gold Project	**Depth (m):**	N/A
Location:	Nunavut	**Lab ID No:**	SA-166

Specific Gravity (assumed):	2.70	**Material:**	TILL
Date Sampled:	October 10, 2009	**Sample Loc:**	Saddle Dam 1, Sta. 0+248 El. 130.5m Till plug
Dispersion Method:	Stirring		
Dispersion Period (min):	960.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	75.00	100.0
2"	50.00	100.0
1.5"	37.50	100.0
1"	25.00	96.4
3/4"	19.00	93.9
1/2"	12.50	89.0
3/8"	9.50	85.8
#4	4.75	78.4
#10	2.00	69.7
#20	0.850	63.7
#40	0.425	57.4
#60	0.250	52.5
#100	0.150	47.4
#200	0.075	40.3
-	0.0276	30.0
-	0.0133	24.2
-	0.0105	21.3
-	0.0082	18.0
-	0.0060	14.3
-	0.0043	11.5
-	0.0030	8.8
-	0.0022	7.8
-	0.0014	5.6
-		



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards	November 4, 2009	Glen Rutherford	December 4, 2009
TESTED BY	DATE	CHECKED BY	DATE

Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	09-1428-5007
Short Title:	Meadowbank Gold Mine
Client	AEM
Location	Nunavut
Lab ID	Sheet No. 1

Field Label	SD1101009-3	SD1101009-4				
Sample Number	165	166				
Sample Location	Sta. 0+256	Sta. 0+248				
Material Spec.	SD1 Till plug	SD1 Till plug				
Depth (m)	-	Elev. 130.4				
Mass of Dry Soil (g)	894.1	759.5				
Water Content W (%)	**21.8**	**23.5**				

JV	October 7, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

Golder Associates Ltd.
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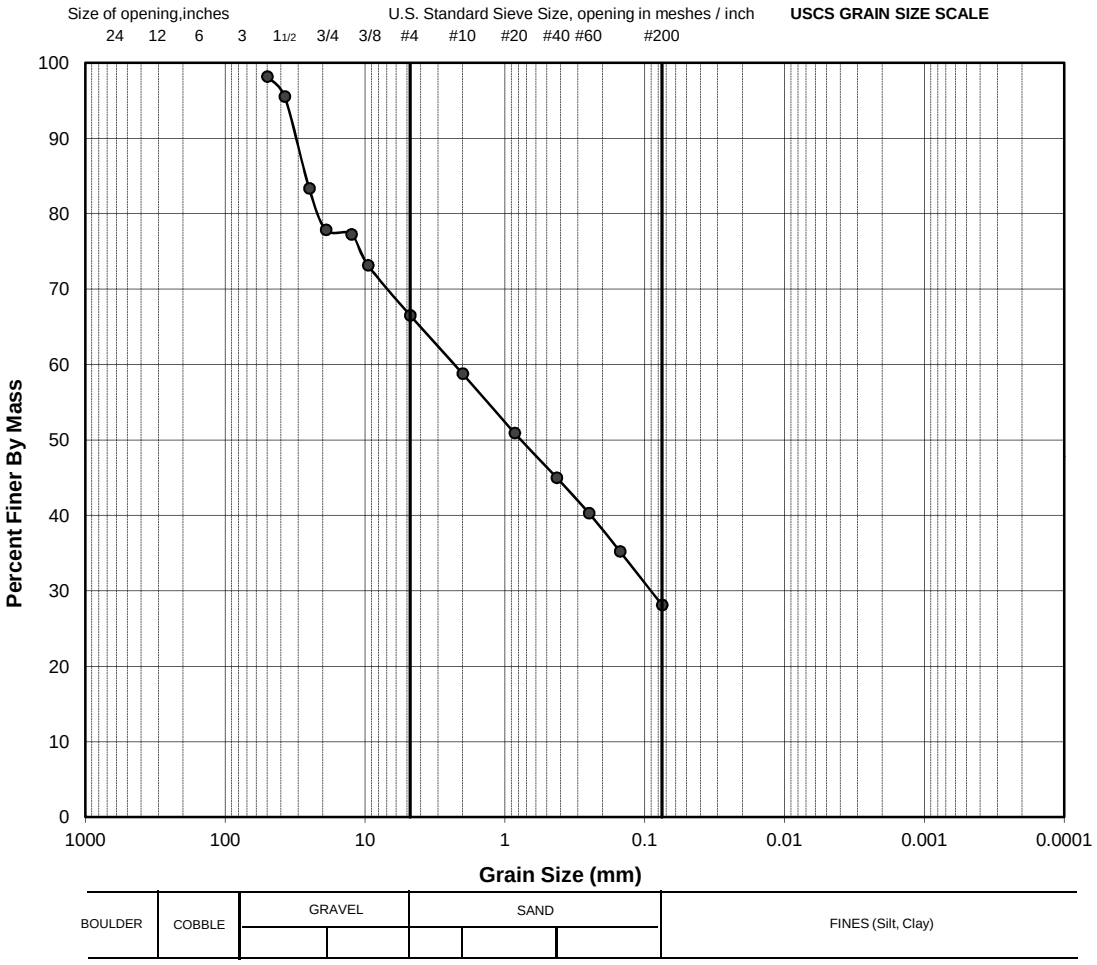
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**169**
Client:	AEM	**Field Label:**	SD1 101109-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA169
Remarks:	Water Content = 7.2%	**Date Sampled:**	October 11, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+260 Till plug	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	98.2
1.5"	37.5	95.5
1"	25.0	83.4
3/4"	19.0	77.9
1/2"	12.5	77.3
3/8"	9.5	73.2
#4	4.8	66.5
#10	2.0	58.8
#20	0.9	50.9
#40	0.4	45.0
#60	0.3	40.3
#100	0.2	35.2
#200	0.1	28.1



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

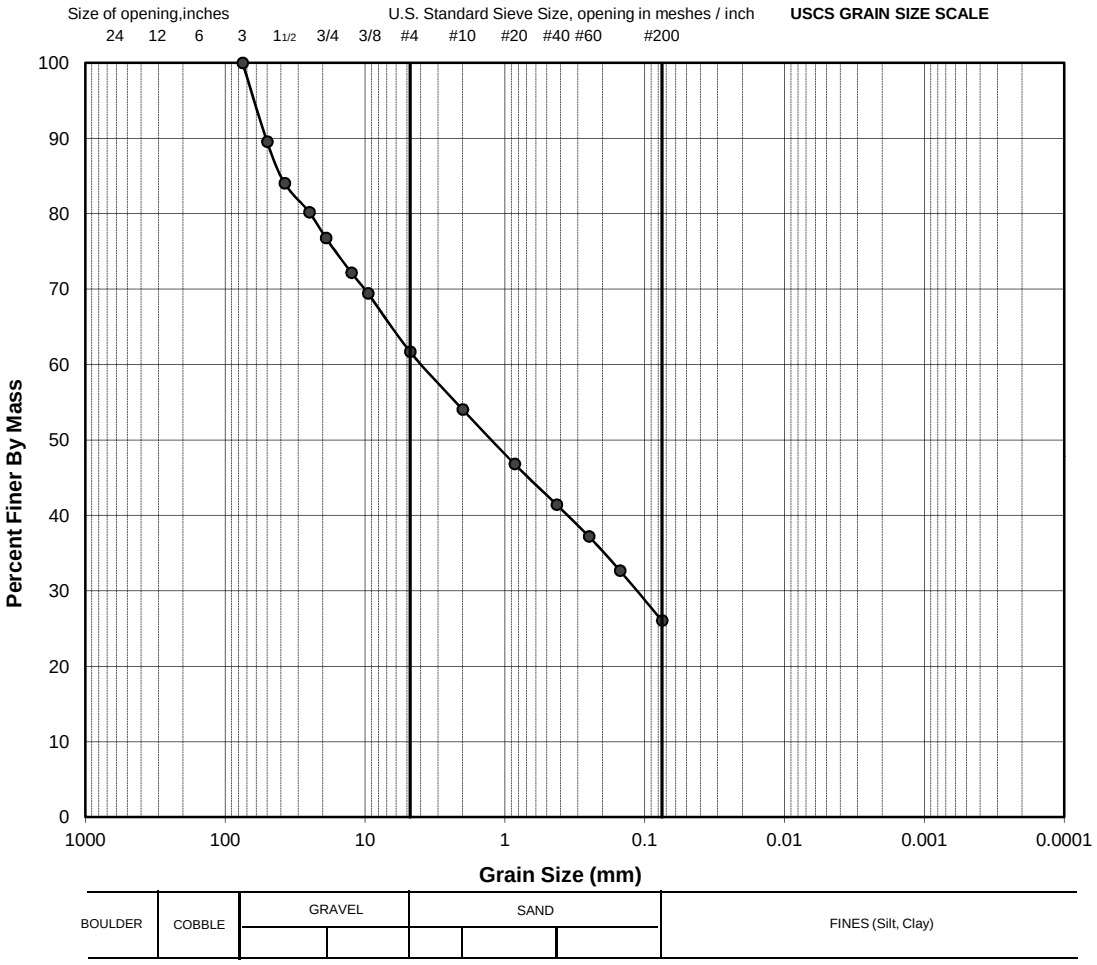
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**170**
Client:	AEM	**Field Label:**	SD1 101209-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA170
Remarks:	Water Content = 7.6%	**Date Sampled:**	October 12, 2009
Sa. Location:	SD1, Sta. 0+254 offset 70mE, Till plug	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	89.6
1.5"	37.5	84.0
1"	25.0	80.2
3/4"	19.0	76.8
1/2"	12.5	72.2
3/8"	9.5	69.4
#4	4.8	61.7
#10	2.0	54.1
#20	0.9	46.8
#40	0.4	41.4
#60	0.3	37.2
#100	0.2	32.7
#200	0.1	26.1



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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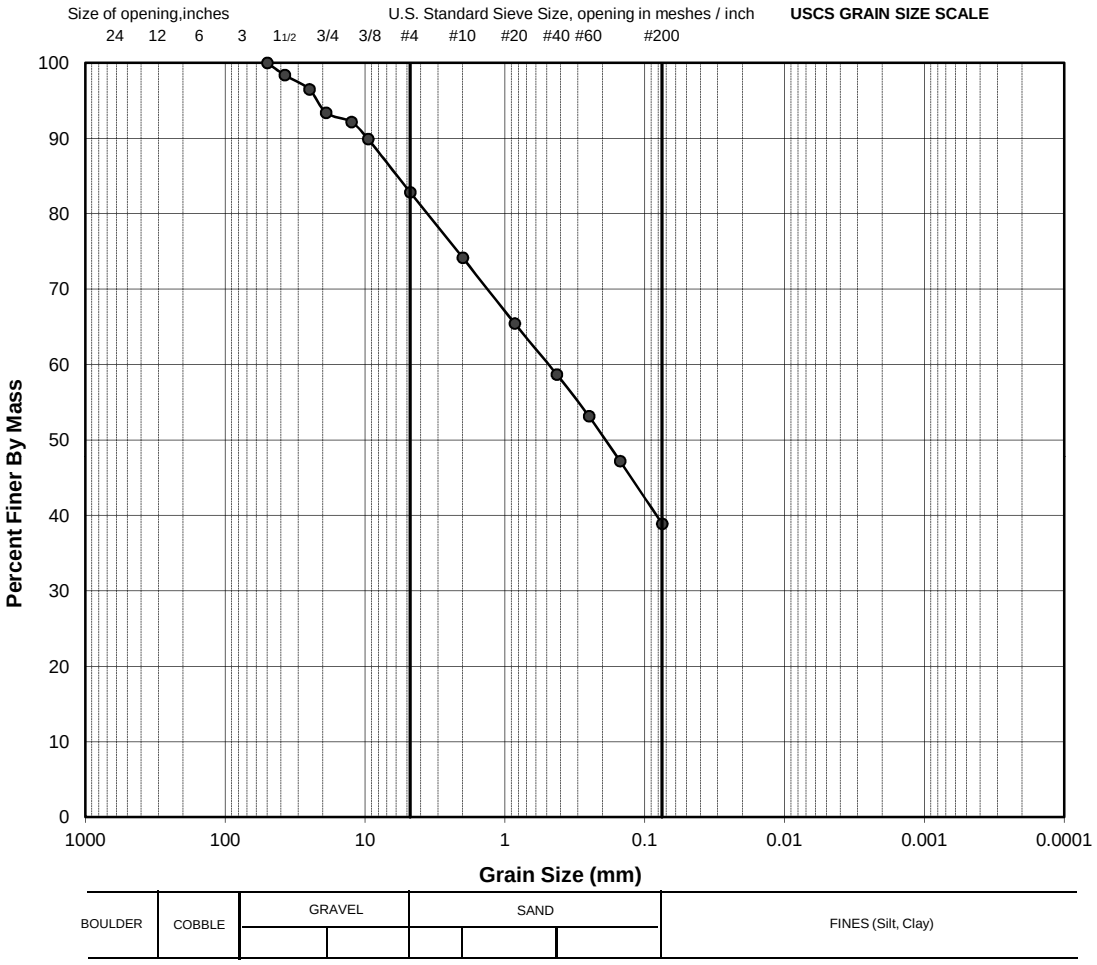
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**173**
Client:	AEM	**Field Label:**	SD1 101709-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA173
Remarks:	Water Content = 8.9%	**Date Sampled:**	October 17, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+150 Till plug	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	98.4
1"	25.0	96.5
3/4"	19.0	93.4
1/2"	12.5	92.2
3/8"	9.5	89.9
#4	4.8	82.8
#10	2.0	74.2
#20	0.9	65.4
#40	0.4	58.7
#60	0.3	53.2
#100	0.2	47.2
#200	0.1	38.9



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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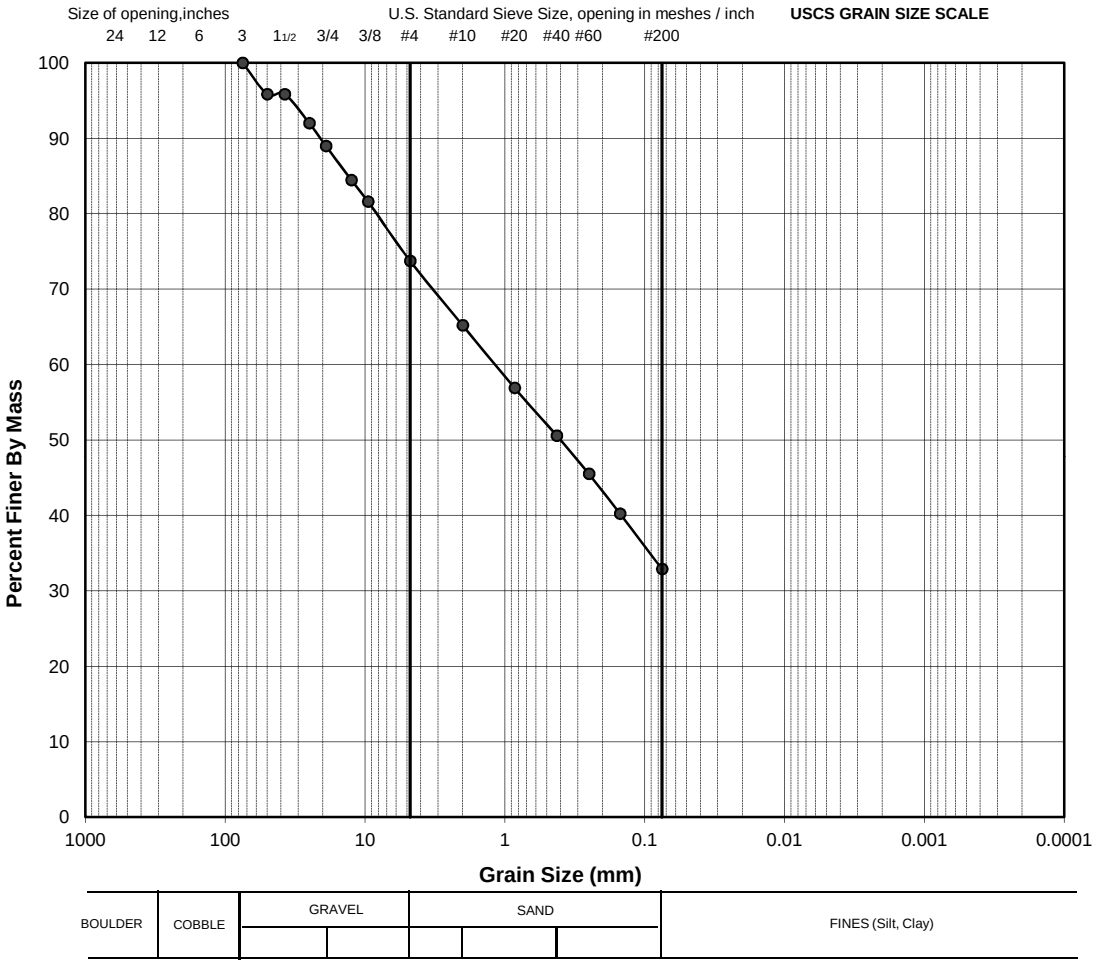
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**177**
Client:	AEM	**Field Label:**	SD1 101809-04
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA177
Remarks:	Water Content = 7.8%	**Date Sampled:**	October 18, 2009
Sa. Location:	Saddle Dam 1, Sta. 0+310 Till plug	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	November 3, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	95.9
1.5"	37.5	95.9
1"	25.0	92.0
3/4"	19.0	89.0
1/2"	12.5	84.5
3/8"	9.5	81.6
#4	4.8	73.8
#10	2.0	65.2
#20	0.9	56.9
#40	0.4	50.6
#60	0.3	45.5
#100	0.2	40.2
#200	0.1	32.9



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Damian Edwards	November 3, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	09-1428-5007
Short Title:	Meadowbank Gold Project
Client	AEM
Location	Nunavut
Lab ID	41

Field Label	SWD110609-1		SWD110609-2			
Sample Number	194		195			
Sample Location	Sta. 10+565		Sta. 10+440			
Depth (m)						
Mass of Dry Soil (g)	4101.5		4229.3			
Water Content W (%)	**1.5**		**1.2**			

Field Label						
Sample Number						
Sample Location						
Depth (m)						
Mass of Dry Soil (g)						
Water Content W (%)						

Field Label						
Sample Number						
Sample Location						
Depth (m)						
Mass of Dry Soil (g)						
Water Content W (%)						

Field Label						
Sample Number						
Sample Location						
Depth (m)						
Mass of Dry Soil (g)						
Water Content W (%)						

PC	Mar 12-10	LP	March 15,2010
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

Golder Associates Ltd.
500 - 4260 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6C6
Tel: +1 (604) 296 4200 Fax: +1 (604) 298 5253 www.golder.com

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Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	08-1429-0029
Short Title:	Meadowbank Gold Mine
Client	AEM
Location	Nunavut
Lab ID	Sheet No. 1

Field Label	SWD091909-1	SWD091909-2	SWD091909-4			
Sample Number	71	72	74			
Sample Location	SWD Sta. 10+380	SWD Sta. 10+360	SWD Sta. 10+430			
Material Spec.	Fine filter	Fine filter	Fine filter			
Depth (m)	-	-	-			
Mass of Dry Soil (g)	2984.6	2527.6	2312.9			
Water Content W (%)	**5.6**	**5.9**	**6.9**			

RB | September 22, 2009

TESTED BY | DATE TESTED | CHECKED BY | DATE CHECKED

Golder Associates Ltd.
500 - 4260 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6C6
Tel: +1 (604) 296 4200 Fax: +1 (604) 298 5253 www.golder.com

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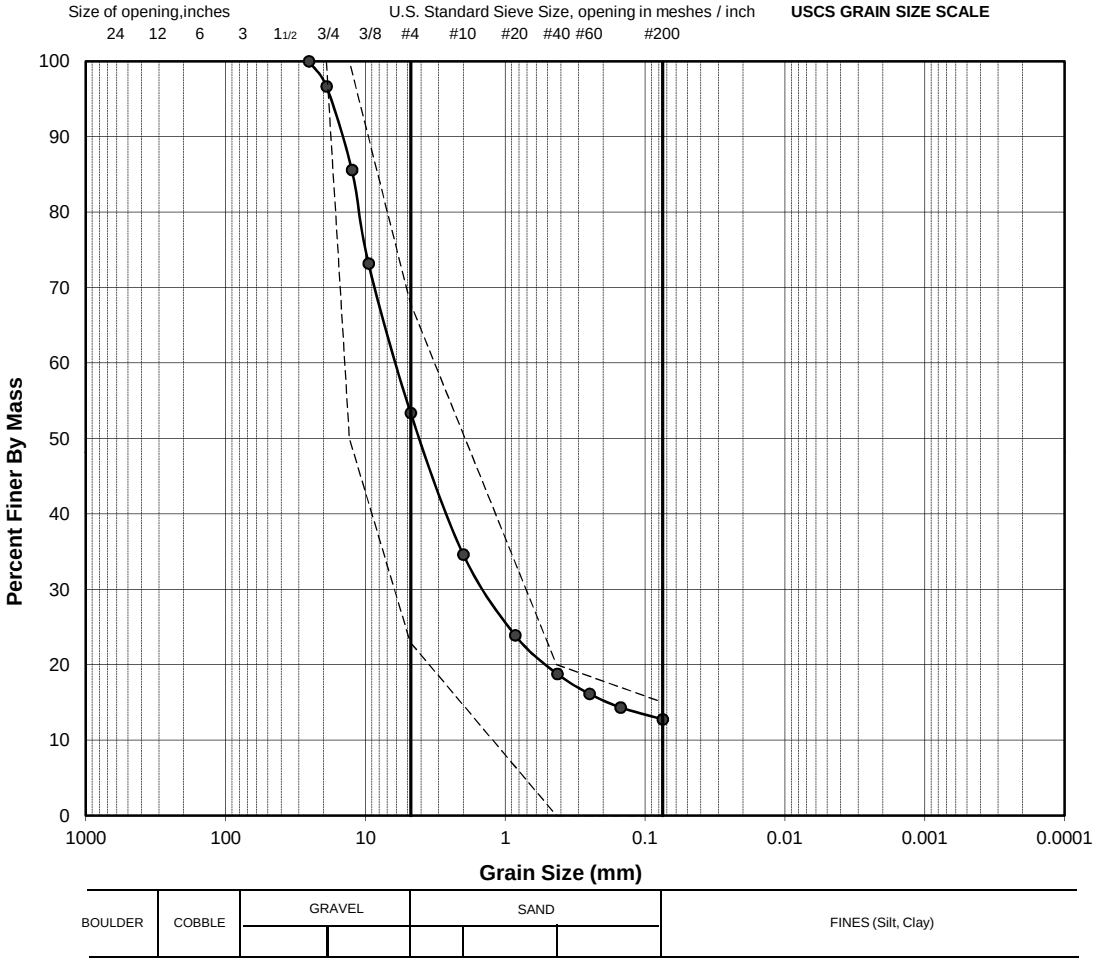
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**28**
Client:	AEM	**Field Label:**	TSF090409-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA28
Remarks:	Water content = 1.3%	**Date Sampled:**	September 4, 2009
Sa. Location:	SWD Sta. 10+460 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 5, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	96.7
1/2"	12.5	85.6
3/8"	9.5	73.2
#4	4.8	53.4
#10	2.0	34.6
#20	0.9	23.9
#40	0.4	18.8
#60	0.3	16.1
#100	0.2	14.3
#200	0.1	12.8



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 5, 2009		

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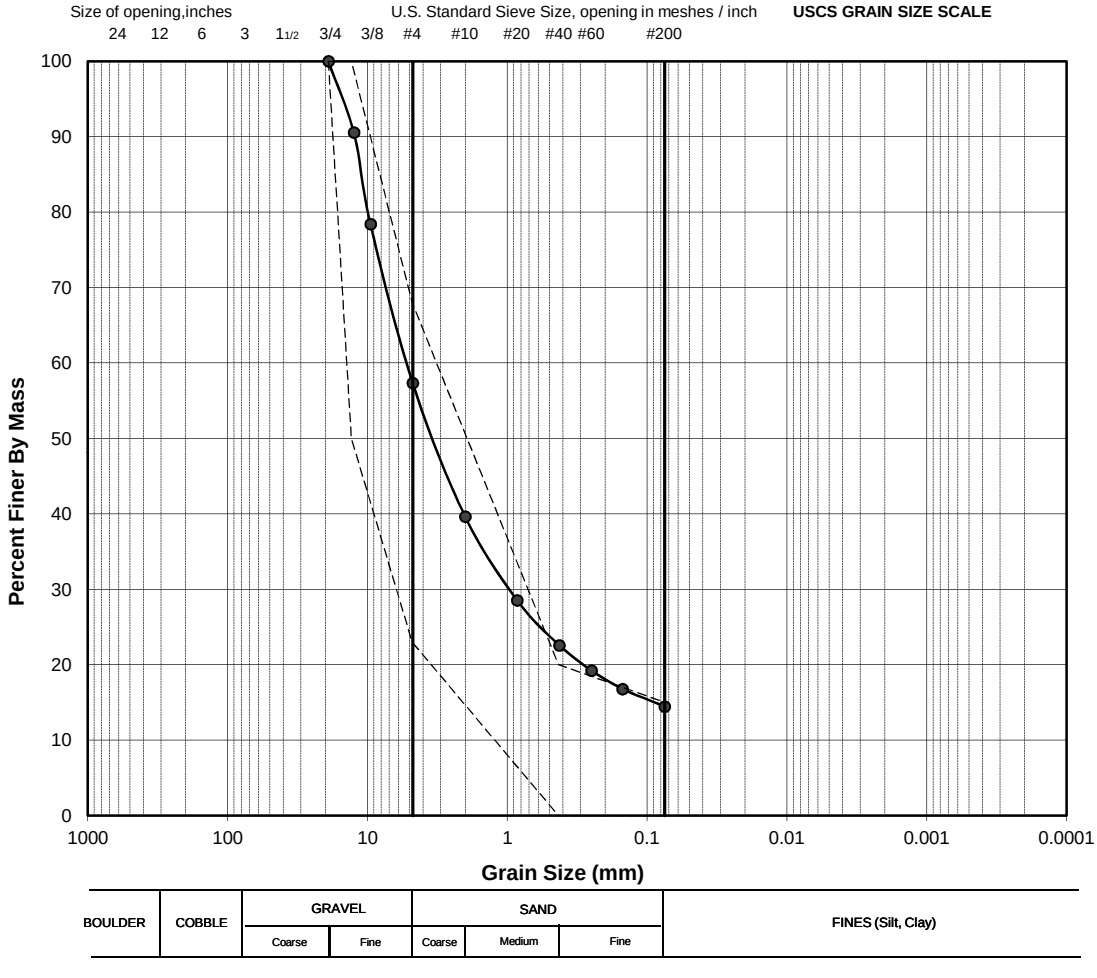
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**38**
Client:	AEM	**Field Label:**	TSF090609-05
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA38
Remarks:	Water content= 1.4%	**Date Sampled:**	September 6, 2009
Sa. Location:	SWD Sta. 10+470 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 8, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	100.0
1/2"	12.5	90.5
3/8"	9.5	78.4
#4	4.8	57.3
#10	2.0	39.6
#20	0.9	28.5
#40	0.4	22.6
#60	0.3	19.2
#100	0.2	16.8
#200	0.1	14.4



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 8, 2009		

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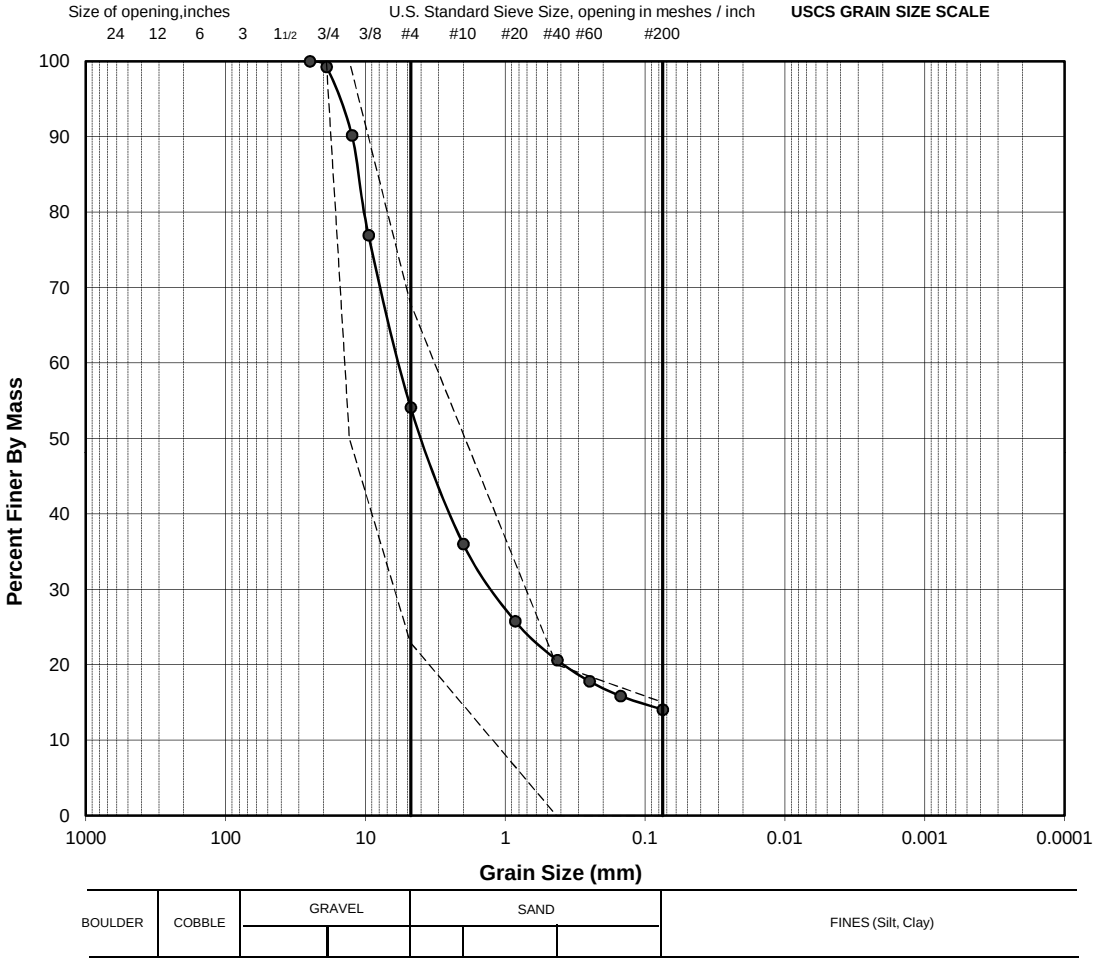
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**71**
Client:	AEM	**Field Label:**	SWD 091909-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA71
Remarks:	Water content=5.5%	**Date Sampled:**	September 19, 2009
Sa. Location:	SWD Sta. 10+380 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	99.3
1/2"	12.5	90.2
3/8"	9.5	76.9
#4	4.8	54.1
#10	2.0	36.0
#20	0.9	25.8
#40	0.4	20.6
#60	0.3	17.8
#100	0.2	15.8
#200	0.1	14.0



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 23, 2009		

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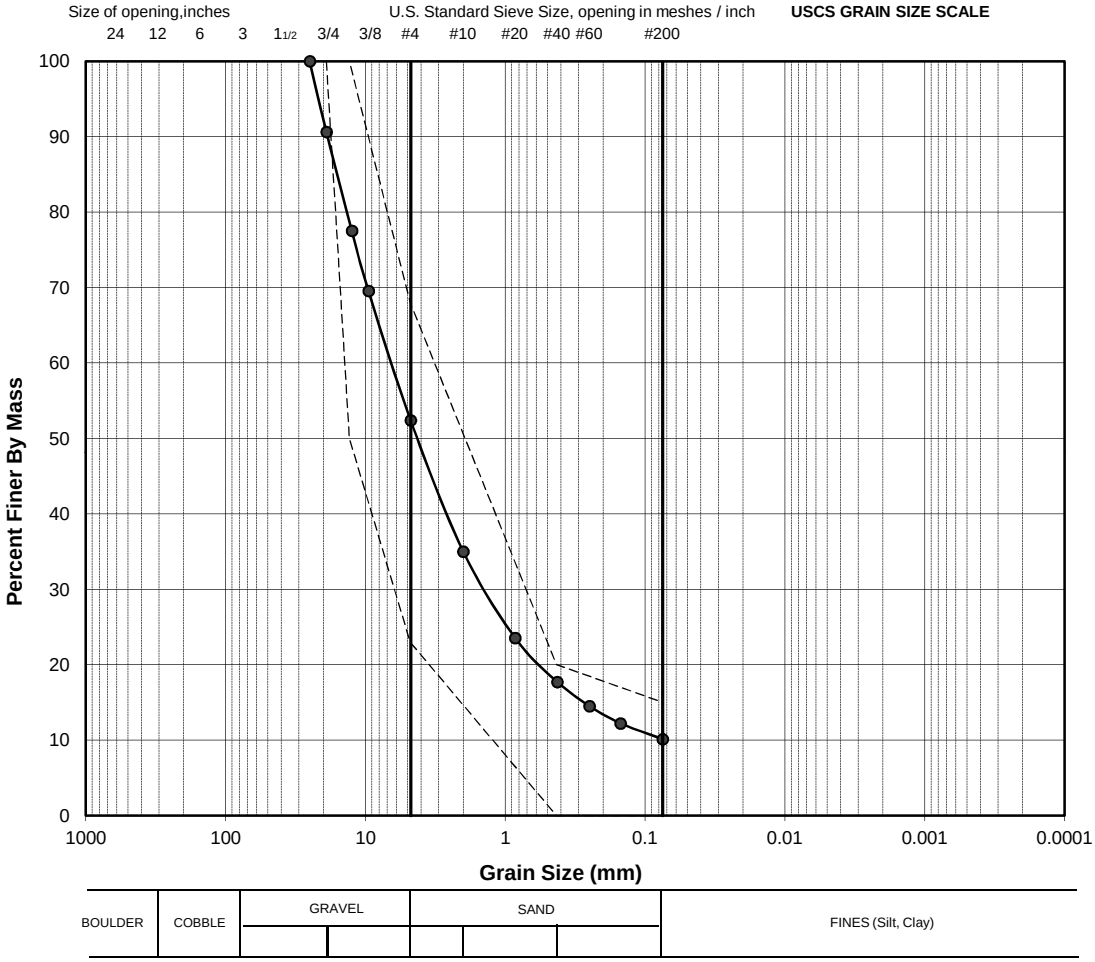
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**72**
Client:	AEM	**Field Label:**	SWD 091909-04
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA72
Remarks:	Water content=2.0%	**Date Sampled:**	September 19, 2009
Sa. Location:	SWD Sta. 10+360 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.6
1/2"	12.5	77.5
3/8"	9.5	69.5
#4	4.8	52.4
#10	2.0	35.0
#20	0.9	23.5
#40	0.4	17.7
#60	0.3	14.5
#100	0.2	12.2
#200	0.1	10.1



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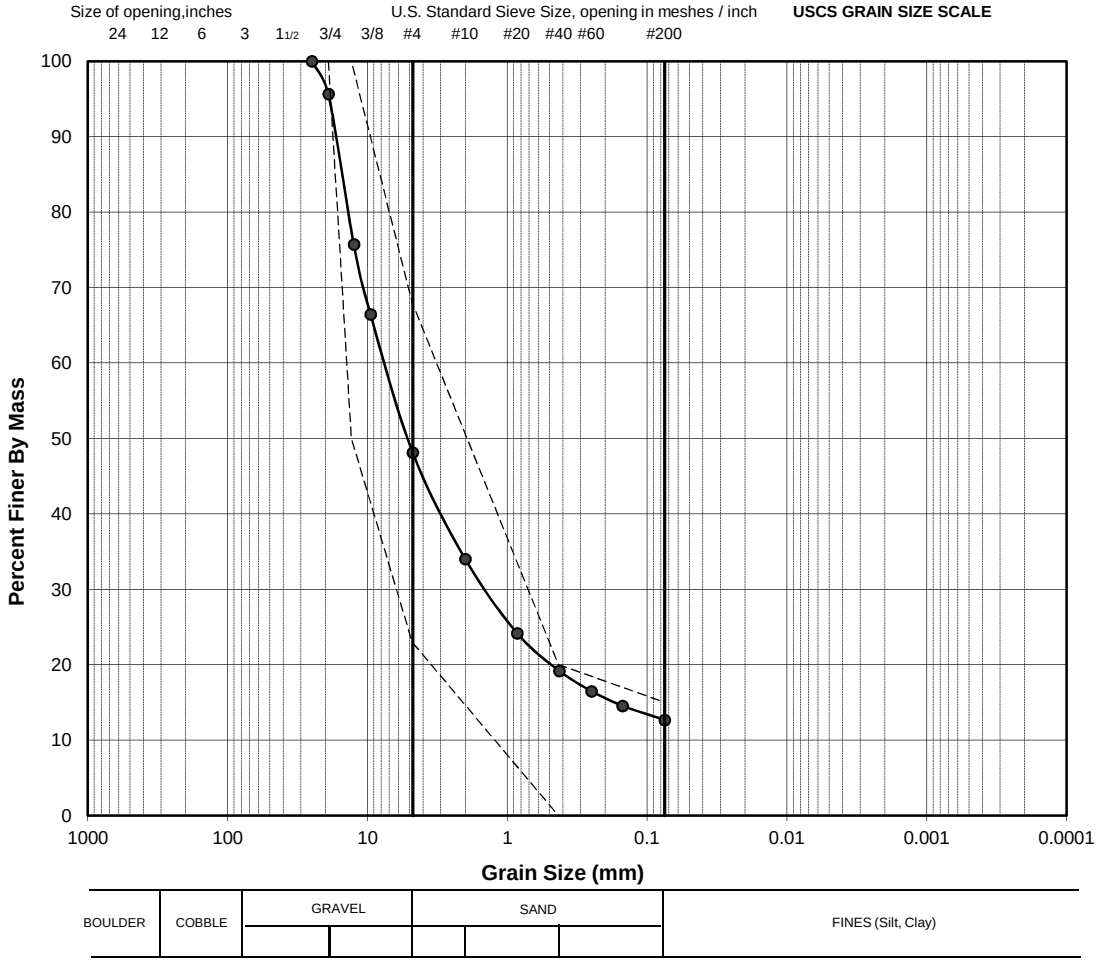
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**73**
Client:	AEM	**Field Label:**	SWD 091909-05
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA73
Remarks:	Water content=3.1%	**Date Sampled:**	September 19, 2009
Sa. Location:	SWD Sta. 10+310 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	95.7
1/2"	12.5	75.7
3/8"	9.5	66.4
#4	4.8	48.1
#10	2.0	34.0
#20	0.9	24.2
#40	0.4	19.2
#60	0.3	16.5
#100	0.2	14.5
#200	0.1	12.7



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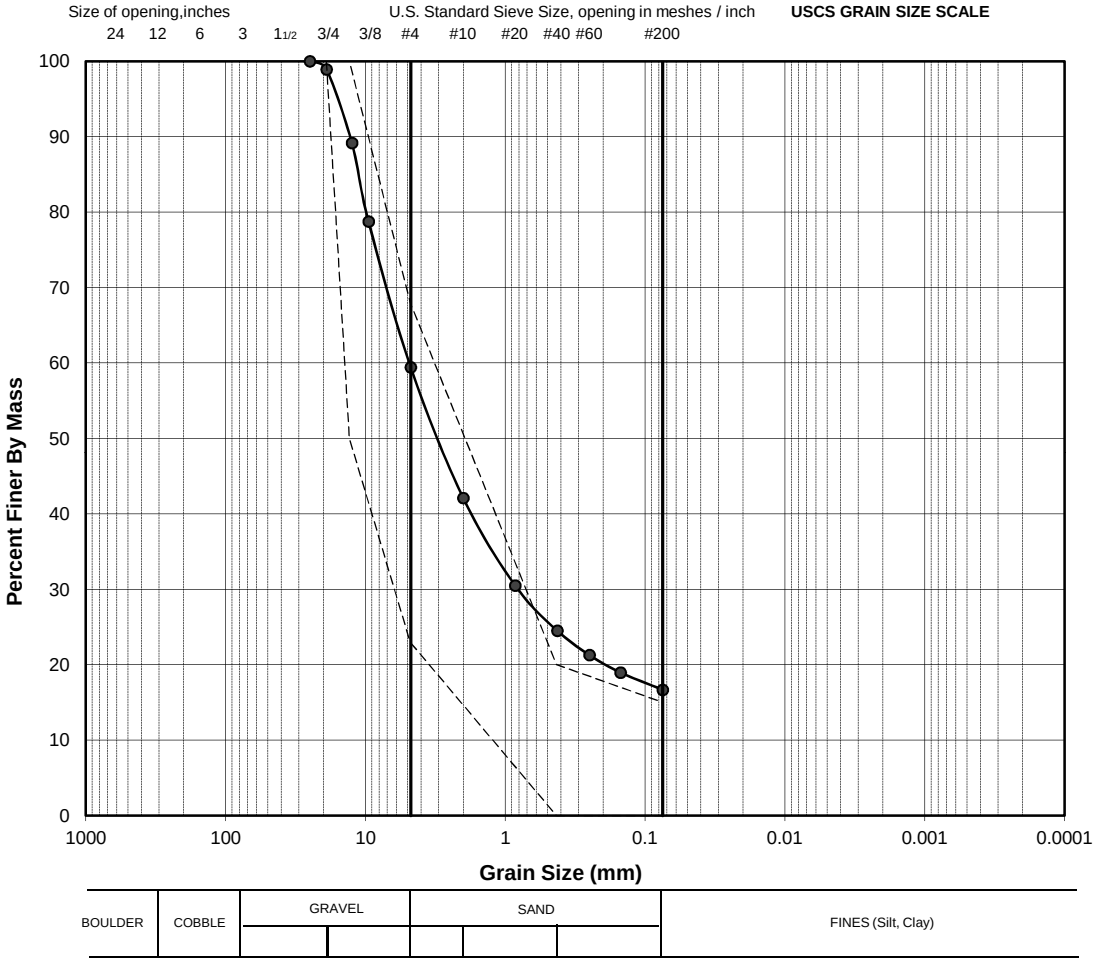
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**74**
Client:	AEM	**Field Label:**	SWD 091909-06
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA74
Remarks:	Water content=5.3%	**Date Sampled:**	September 19, 2009
Sa. Location:	SWD Sta. 10+430 Bedding layer in place	**Material Specification:**	Fine filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	98.9
1/2"	12.5	89.2
3/8"	9.5	78.8
#4	4.8	59.4
#10	2.0	42.1
#20	0.9	30.5
#40	0.4	24.5
#60	0.3	21.3
#100	0.2	19.0
#200	0.1	16.7



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TESTED BY	DATE	CHECKED BY	DATE
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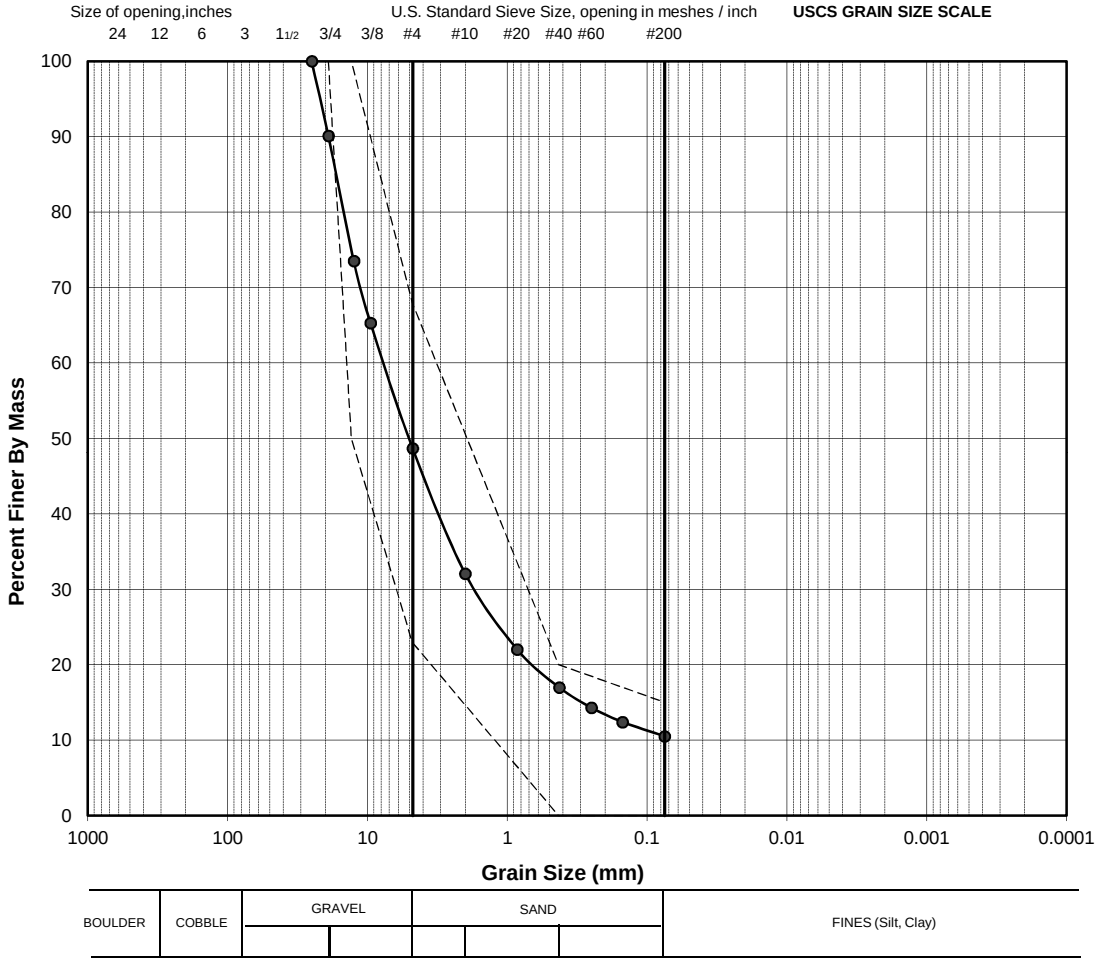
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**75**
Client:	AEM	**Field Label:**	SWD 091909-07
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA75
Remarks:	Water content= 1.6%	**Date Sampled:**	September 19, 2009
Sa. Location:	SWD Sta. 10+270 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.1
1/2"	12.5	73.5
3/8"	9.5	65.3
#4	4.8	48.7
#10	2.0	32.1
#20	0.9	22.0
#40	0.4	17.0
#60	0.3	14.3
#100	0.2	12.4
#200	0.1	10.5



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 23, 2009		

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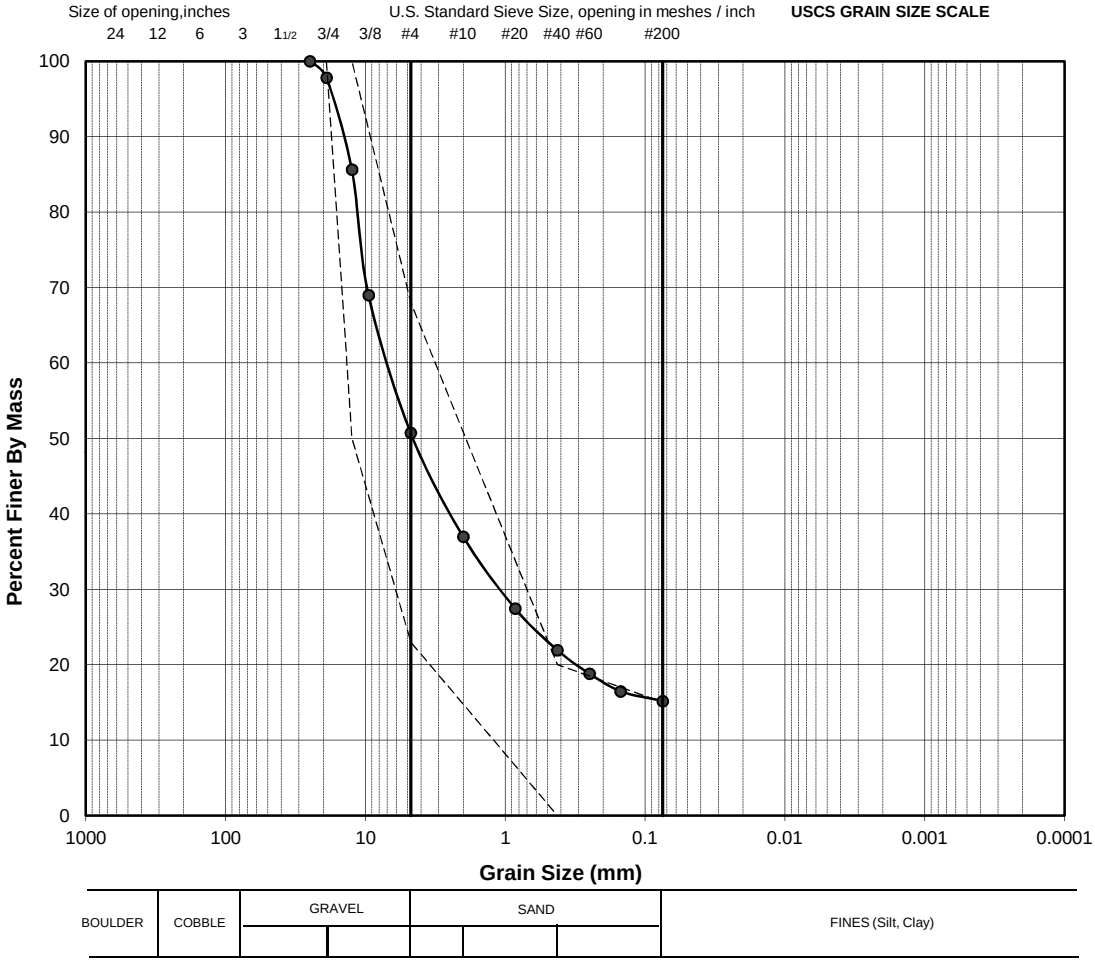
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**76**
Client:	AEM	**Field Label:**	SWD-091909-0
Project:	Meadowbank Gold Project	**Depth (m):**	N/A
Location:	Nunavut	**Lab ID No:**	SA-76
Remarks:	Water content = 5,3%	**Sampling Date:**	September 19, 2009
Sa. Location:	SWD Sta. 10+430 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	SPLIT, WASHED
		Date Tested:	September 20, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	97.8
1/2"	12.5	85.6
3/8"	9.5	69.0
#4	4.8	50.7
#10	2.0	37.0
#20	0.9	27.4
#40	0.4	21.9
#60	0.3	18.8
#100	0.2	16.5
#200	0.1	15.2



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TESTED BY	DATE	CHECKED BY	DATE
OM	September 20, 2009		

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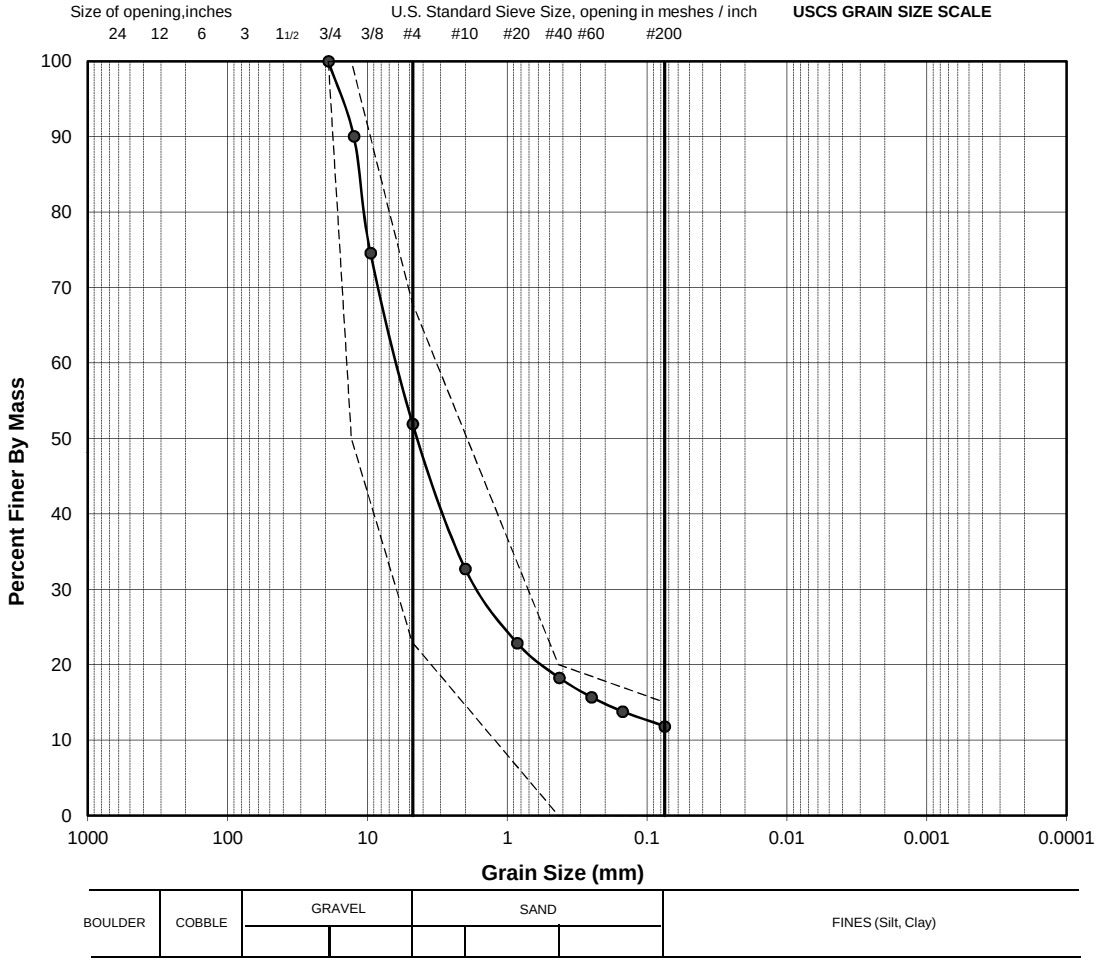
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**80**
Client:	AEM	**Field Label:**	SWD 092109-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA80
Remarks:	Water content=5.8%	**Date Sampled:**	September 21, 2009
Sa. Location:	SWD Sta. 10+810 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	100.0
1/2"	12.5	90.1
3/8"	9.5	74.6
#4	4.8	51.9
#10	2.0	32.7
#20	0.9	22.9
#40	0.4	18.3
#60	0.3	15.7
#100	0.2	13.8
#200	0.1	11.8



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 23, 2009		

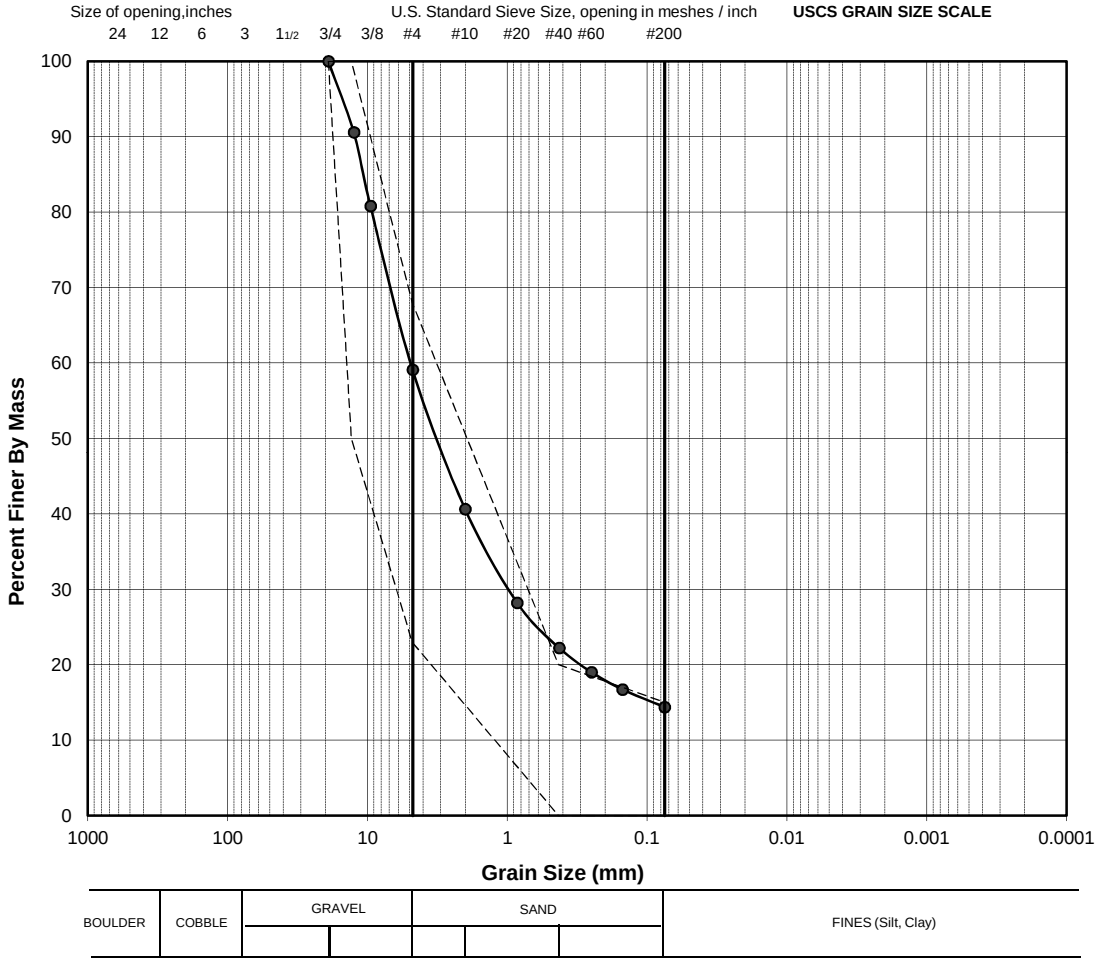
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029 (5000)	**Sample No.:**	**81**
Client:	AEM	**Field Label:**	SWD 092109-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA81
Remarks:	Water content=5.7%	**Date Sampled:**	September 21, 2009
Sa. Location:	SWD Sta. 10+835 Bedding layer in place	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	September 23, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	100.0
1/2"	12.5	90.6
3/8"	9.5	80.8
#4	4.8	59.1
#10	2.0	40.6
#20	0.9	28.2
#40	0.4	22.2
#60	0.3	19.0
#100	0.2	16.7
#200	0.1	14.4



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 23, 2009		

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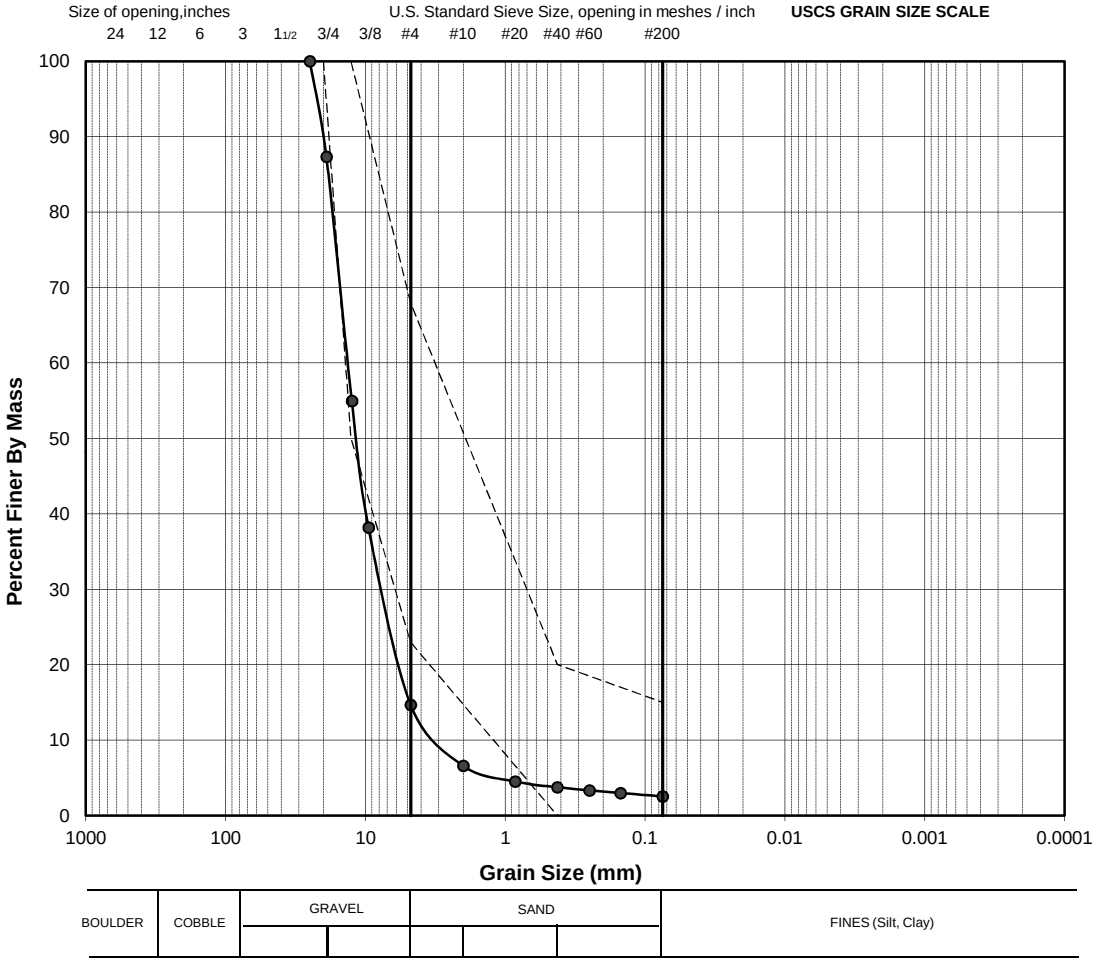
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**179**
Client:	AEM	**Field Label:**	SWD 102409-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA179
Remarks:	Water content=0.8%	**Date Sampled:**	October 24, 2009
Sa. Location:	SWD Sta. 10+640 Bedding layer in place El. 135.5m	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	87.3
1/2"	12.5	55.0
3/8"	9.5	38.2
#4	4.8	14.7
#10	2.0	6.6
#20	0.9	4.5
#40	0.4	3.7
#60	0.3	3.3
#100	0.2	3.0
#200	0.1	2.5



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Damian Edwards	October 31, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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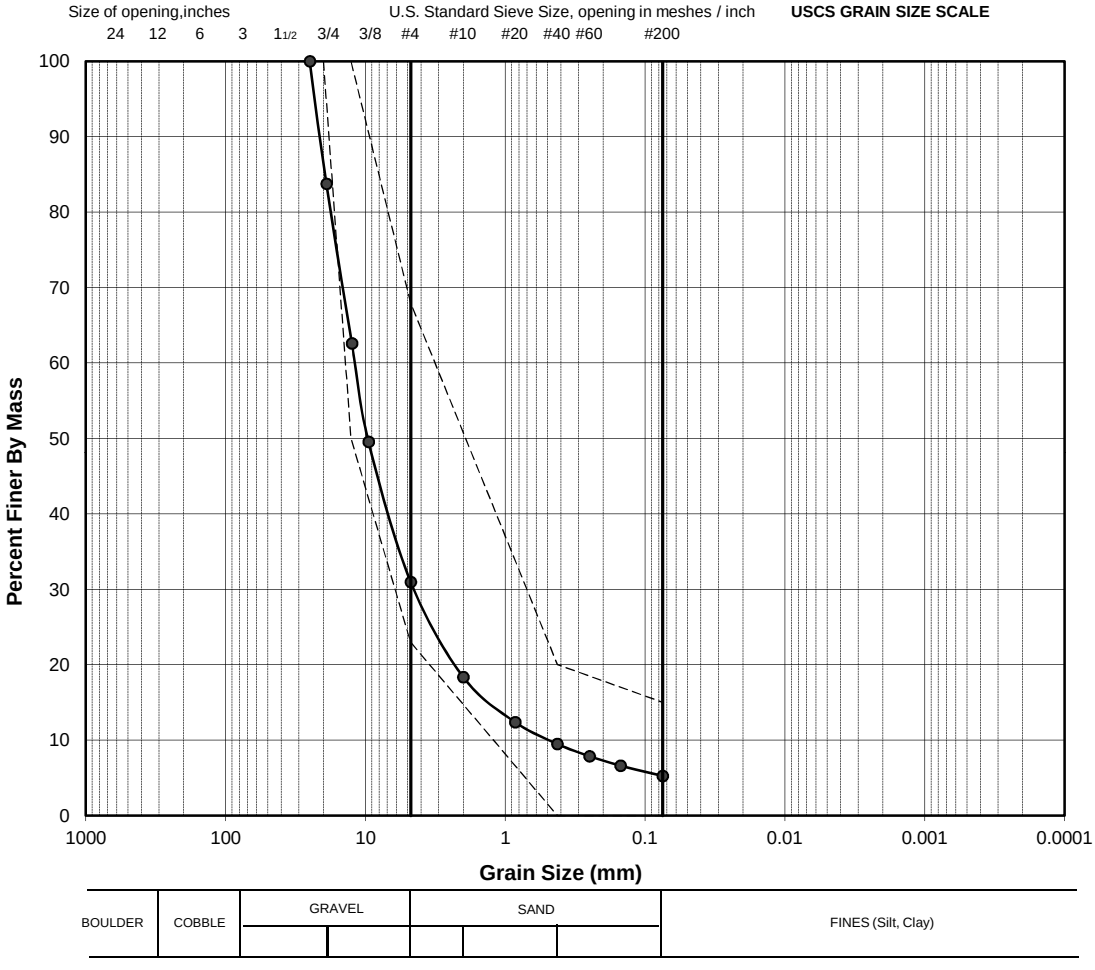
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**180**
Client:	AEM	**Field Label:**	SWD 102409-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA180
Remarks:	Water content= 1.6%	**Date Sampled:**	October 24, 2009
Sa. Location:	SWD Sta. 10+640 Bedding layer in place El. 133.5m	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	October 31, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	83.8
1/2"	12.5	62.6
3/8"	9.5	49.6
#4	4.8	31.0
#10	2.0	18.4
#20	0.9	12.4
#40	0.4	9.5
#60	0.3	7.9
#100	0.2	6.6
#200	0.1	5.3



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Damian Edwards	October 31, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

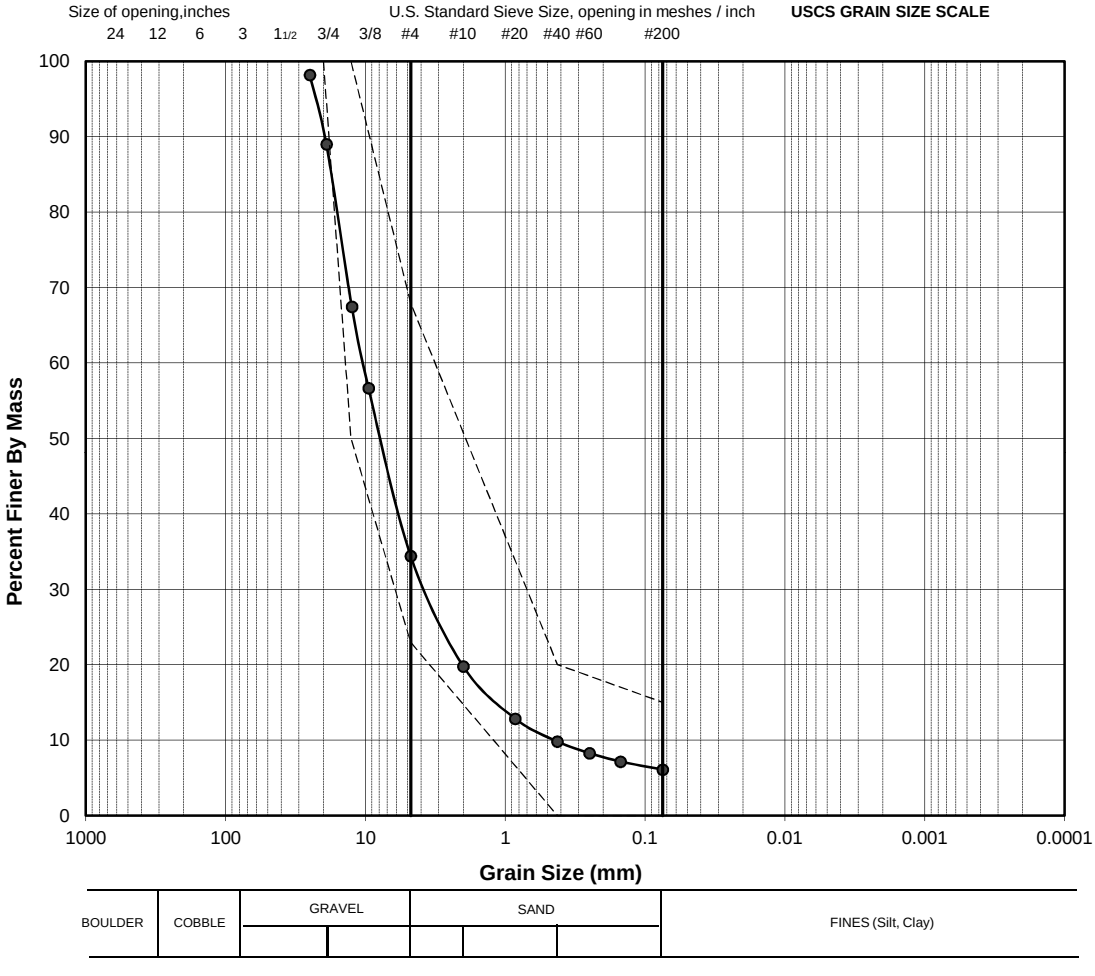
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**190**
Client:	AEM	**Field Label:**	SWD 110309-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA190
Remarks:	Water content=1.5%	**Date Sampled:**	November 3, 2009
Sa. Location:	SWD Sta. 10+810 Bedding layer in place El. 138 m	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	November 4, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.2
3/4"	19.0	89.0
1/2"	12.5	67.5
3/8"	9.5	56.7
#4	4.8	34.4
#10	2.0	19.8
#20	0.9	12.8
#40	0.4	9.8
#60	0.3	8.3
#100	0.2	7.1
#200	0.1	6.1



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Damian Edwards	November 4, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

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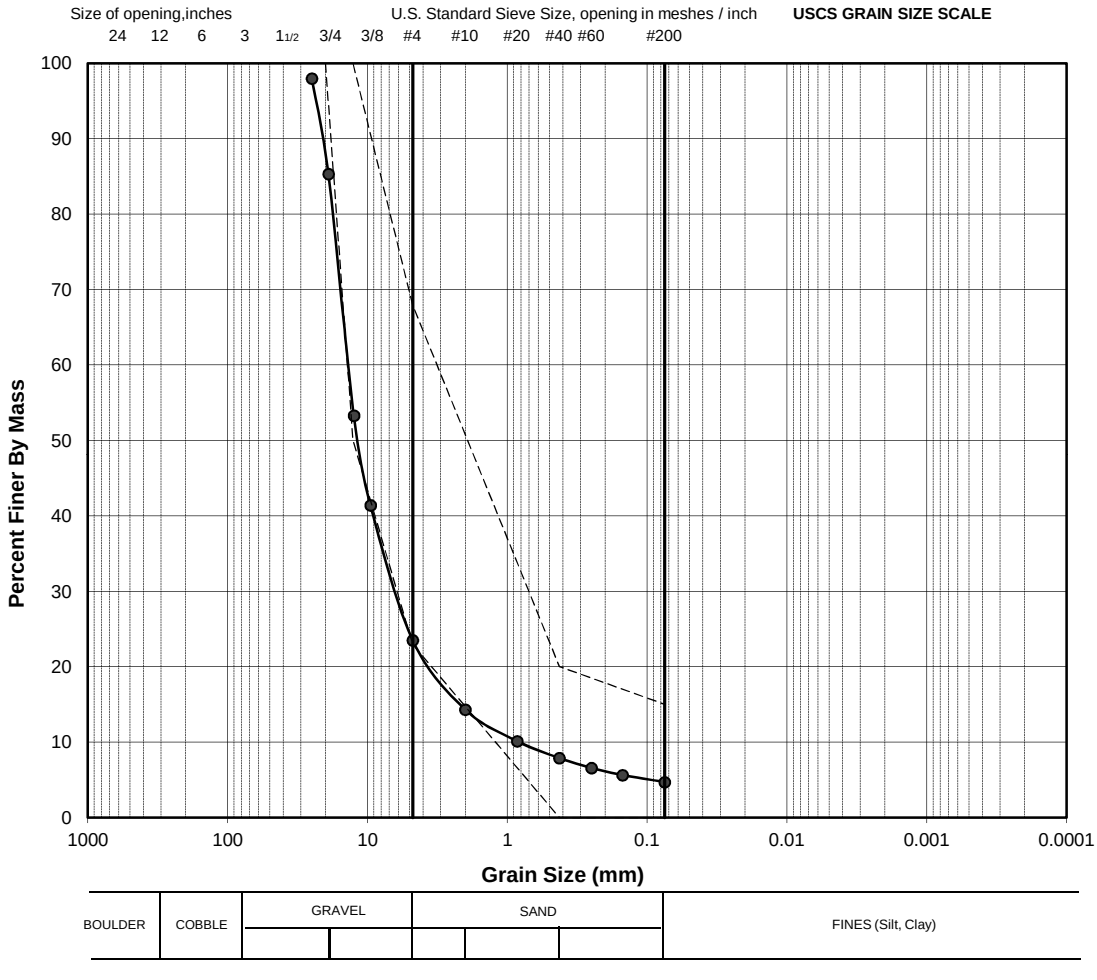
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**191**
Client:	AEM	**Field Label:**	SWD 110309-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA191
Remarks:	Water content=0.7%	**Date Sampled:**	November 3, 2009
Sa. Location:	SWD Sta. 10+770 Bedding layer in place El 137 m	**Material Specification:**	Fine Filter
		Method:	COMBINED, WASHED
		Date Tested:	November 4, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.0
3/4"	19.0	85.3
1/2"	12.5	53.3
3/8"	9.5	41.4
#4	4.8	23.5
#10	2.0	14.3
#20	0.9	10.1
#40	0.4	7.9
#60	0.3	6.6
#100	0.2	5.6
#200	0.1	4.7



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Damian Edwards	November 4, 2009	Glen Rutherford	November 9, 2009
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Burnaby Laboratory
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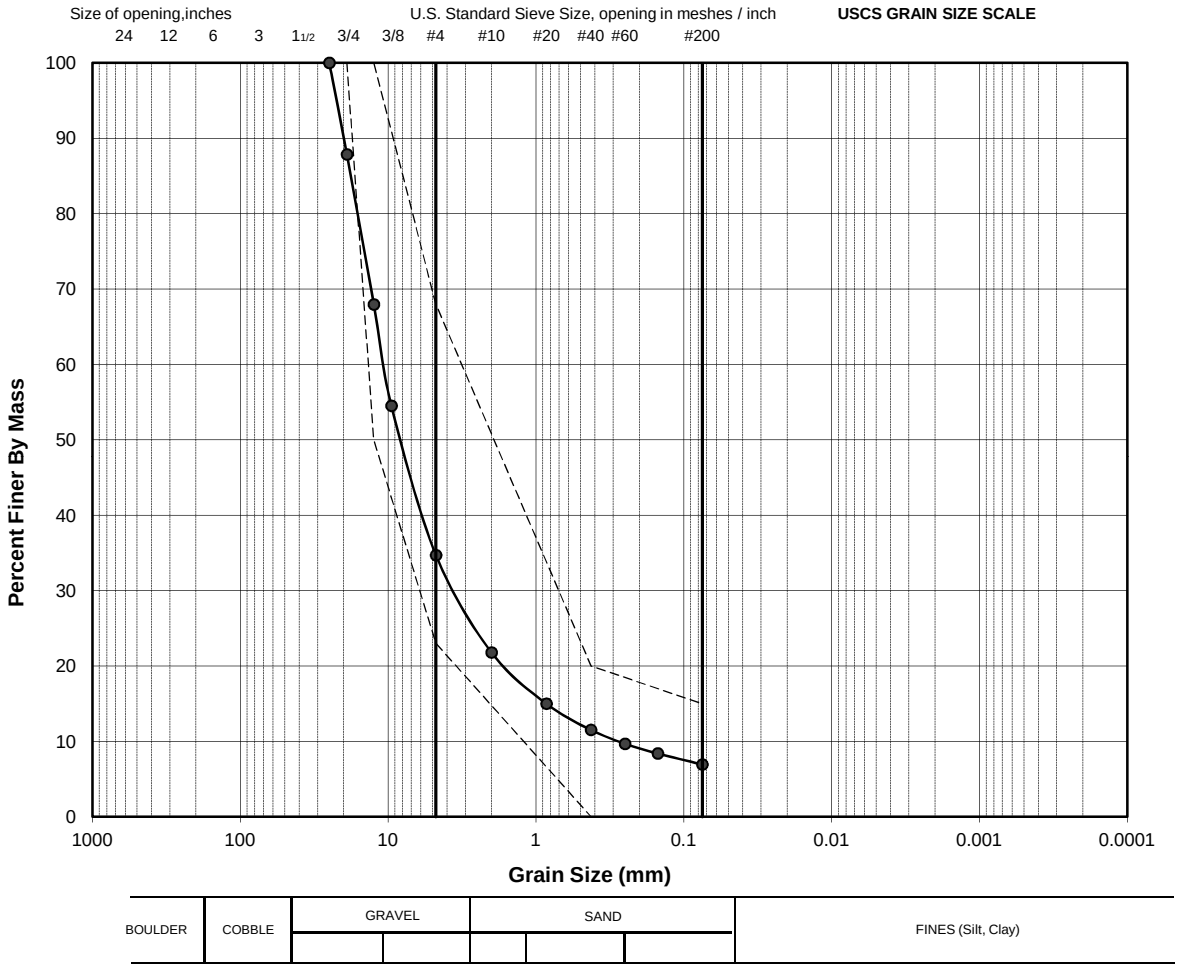
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**194**
Client:	AEM	**Field Label**	SWD110609-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	41
Remarks:		**Date Sampled:**	November 6, 2009
Sa. Location:	SWD Sta. 10+565 Bedding layer in place El. 139 m	**Material Specification:**	Fine Filter
		Method:	SPLIT, WASHED
		Date Tested:	March 12, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	87.9
1/2"	12.5	68.0
3/8"	9.5	54.5
#4	4.8	34.7
#10	2.0	21.8
#20	0.9	15.0
#40	0.4	11.5
#60	0.3	9.7
#100	0.2	8.4
#200	0.1	7.0



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PC	March 12, 2010	LP	March 15,2010
TESTED BY	DATE	CHECKED BY	DATE

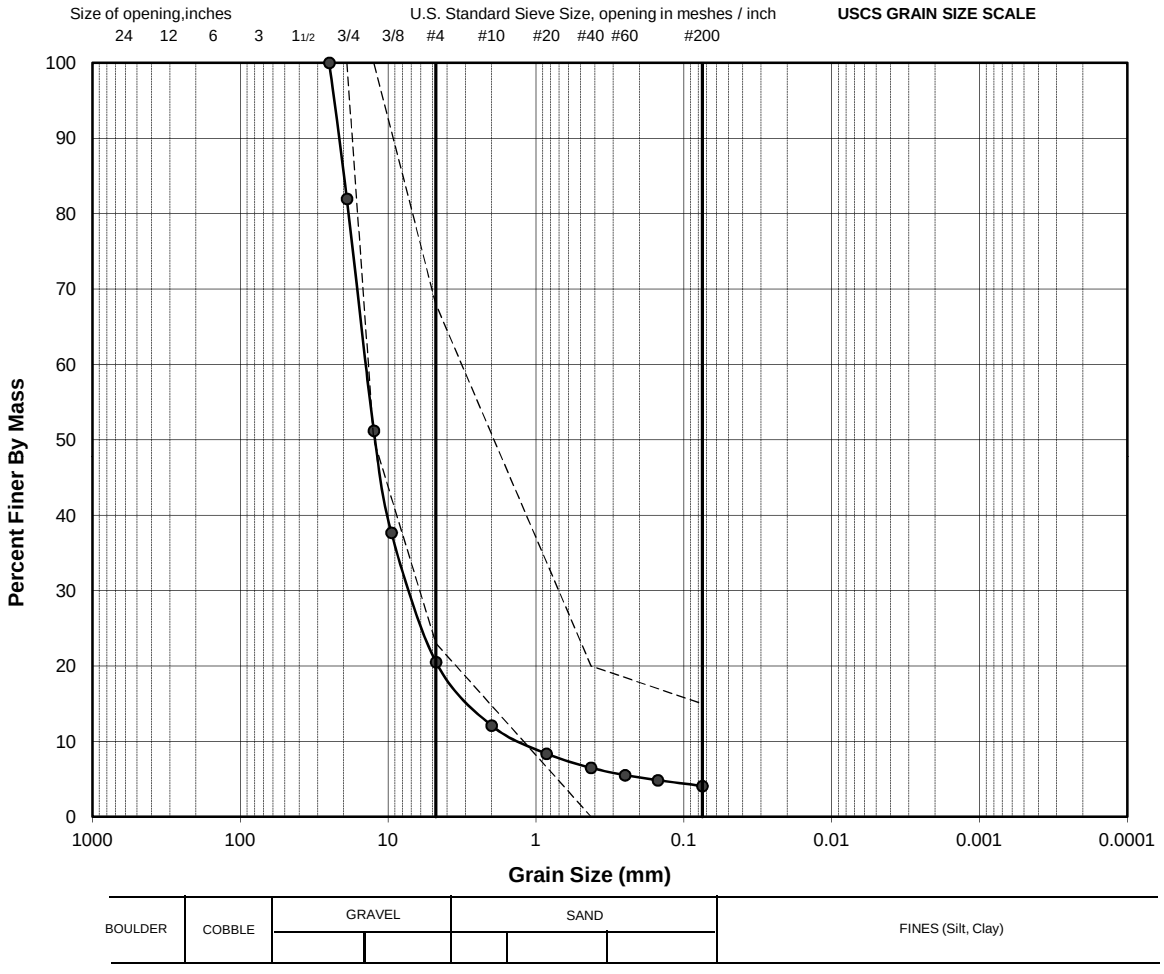
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007	**Sample No.:**	**195**
Client:	AEM	**Field Label:**	SWD110609-2
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	41
Remarks:		**Date Sampled:**	November 6, 2009
Sa. Location:	SWD Sta. 10+440 Bedding layer in place El. 138 m	**Material Specification:**	Fine Filter
		Method:	SPLIT, WASHED
		Date Tested:	March 12, 2010

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	82.0
1/2"	12.5	51.2
3/8"	9.5	37.7
#4	4.8	20.5
#10	2.0	12.1
#20	0.9	8.4
#40	0.4	6.5
#60	0.3	5.5
#100	0.2	4.9
#200	0.1	4.1



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PC	March 12, 2010	LP	March 15,2010
TESTED BY	DATE	CHECKED BY	DATE

GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 14, 2009
Report: S785-003-39772A

IDENTIFICATION: Bituminous membrane: Roll AA9XR Panel 273
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 7, 2009

STANDARD:

TEST: Nominal Thickness of Geosynthetics — ASTM D5199-01 (2006)

TEST CONDITIONS: Conditioned sample(s) (21 °C, 65 % R.H.);
Dimension of the test specimens: minimum diameter of 75 mm;
Apparatus: Mitutoyo - measuring unit: inch (has precedence on the values in mm) ;
Diameter of the presser foot: 6.35 mm ;
Pressure applied: 20 kPa; Loading time interval: 5 sec. ;
Tested December 11, 2009

RESULTS:	Individual Data					Avg.	S.D.	% CV
Thickness (mils):	187	193	180	180	179	**180**	7	**4.1**
	187	173	174	175	170			
Thickness (mm):	4.75	4.89	4.56	4.56	4.55	**4.56**	0.19	**4.1**
	4.75	4.38	4.42	4.43	4.31			

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 14, 2009

For any information concerning this report, please contact Eric Blond

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sageos@gcttg.com www.gcttg.com 1 877 288-8378 1 450 778-1870 Fax: 1 450 778-3901

GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 14, 2009
Report: S785-003-39772A

IDENTIFICATION:	Bituminous membrane: Roll AA9XR Panel 273 Project name: Meadowbank Gold Project #: 09-1428-5007 Received: December 7, 2009
STANDARD:	
TEST:	Density and Specific Gravity (Relative Density) of Plastics by Displacement — ASTM D792 - 08 Method A
TEST CONDITIONS:	Conditioned sample(s) (21°C, 65% R.H.); Test method A; Temperature of water (°C): 21.1 Tested December 11 and 14, 2009

RESULTS:	Individual Data		Avg.	S.D.	% CV
Density (g/cm³):	1.268	1.271	**1.270**	0.002	**0.2**

Prepared by:
Nancy Fontaine, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 14, 2009

For any information concerning this report, please contact Eric Blond*

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 11, 2009
Report: S785-003-39773A

IDENTIFICATION: Bituminous membrane seam: DT Panel 217/218, DT Panel 224/225, DT Panel 238/239, DT Panel 241/242, DT Panel 253/254, DT Panel 284/285
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 7, 2009

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

TEST CONDITIONS: Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
Speed: 50 mm/min.;
5 test specimens per product;
Conditioned sample(s) 24 hours at 21 ± 2°C, 30 à 50% R.H.) ;
Tested December 9, 2009

RESULTS:	Individual Data					Avg.	S.D.	% CV
DT Panel 217/218								
Width of seam, in the direction of the test (mm):	95.0	92.0	118.0	100.0	114.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.5			
Maximum load value (N):	61.5	77.6	150.6	696.9	1214.1	**440.1**	505.9	**114.9**
Seam strength (kN/m):	1.23	1.55	3.01	13.94	24.28	**8.80**	10.12	**114.9**
DT Panel 224/225								
Width of seam, in the direction of the test (mm):	120.0	123.0	121.0					
Width of specimen, perpendicular to the direction of the test (mm):	49.5	50.5	50.5					
Maximum load value (N):	1133	1126	1137			**1 132**	6	**0.5**
Seam strength (kN/m):	22.7	22.5	22.7			**22.6**	0.1	**0.5**

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 11, 2009

For any information concerning this report, please contact Eric Blond

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ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 11, 2009
Report: S785-003-39773A

IDENTIFICATION: Bituminous membrane seam: DT Panel 217/218, DT Panel 224/225, DT Panel 238/239, DT Panel 241/242, DT Panel 253/254, DT Panel 284/285
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 7, 2009

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

RESULTS (CONT):	Individual Data					Avg.	S.D.	% CV
DT Panel 238/239								
Width of seam, in the direction of the test (mm):	110.0	97.0	110.0	113.0				
Width of specimen, perpendicular to the direction of the test (mm):	49.5	50.5	50.5	50.5				
Maximum load value (N):	1042	1139	1058	1059		**1 075**	44	**4.1**
Seam strength (kN/m):	20.9	22.8	21.2	21.2		**21.5**	0.9	**4.0**
DT Panel 241/242								
Width of seam, in the direction of the test (mm):	107.0	117.0	113.0	108.0	109.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.0	50.0	50.5			
Maximum load value (N):	1227	1237	1312	1205	1236	**1 243**	40	**3.3**
Seam strength (kN/m):	24.5	24.7	26.2	24.1	24.7	**24.8**	0.8	**3.2**
DT Panel 253/254								
Width of seam, in the direction of the test (mm):	136.0	131.0	128.0	141.0	130.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.0			
Maximum load value (N):	1291	1173	970	1188	1174	**1 159**	117	**10.1**
Seam strength (kN/m):	25.8	23.5	19.4	23.8	23.5	**23.2**	2.3	**10.0**

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 11, 2009

For any information concerning this report, please contact Eric Blond

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ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 11, 2009
Report: S785-003-39773A

IDENTIFICATION: Bituminous membrane seam: DT Panel 217/218, DT Panel 224/225, DT Panel 238/239, DT Panel 241/242, DT Panel 253/254, DT Panel 284/285
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 7, 2009

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT Panel 284/285								
Width of seam, in the direction of the test (mm):	117.0	121.0	125.0	110.0	115.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.0	50.5	50.5	50.5			
Maximum load value (N):	1125	1111	1234	1105	1150	**1 145**	53	**4.6**
Seam strength (kN/m):	22.5	22.2	24.7	22.1	23.0	**22.9**	1.1	**4.7**

REMARKS: DT Panel 224/225 and DT Panel 238/239: The size of the samples received was not sufficient to conduct the number of specimens required by the test method.

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 11, 2009

For any information concerning this report, please contact Eric Blond*

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GroupeCTTGroup
Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 11, 2009
Report: S785-003-39819A

IDENTIFICATION: Bituminous membrane seam: DT Panel 270/271, DT Panel 275/276, DT Panel 279/280, DT Panel 296/297
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 9, 2009

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

TEST CONDITIONS: Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
Speed: 50 mm/min.;
5 test specimens per product;
Conditioned sample(s) 24 hours at 21 ± 2°C, 30 à 50% R.H.) ;
Tested December 11, 2009

RESULTS:	Individual Data					Avg.	S.D.	% CV
DT Panel 270/271								
Width of seam, in the direction of the test (mm):	91.0	78.0	80.0	78.0	84.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.5			
Maximum load value (N):	1088	908	1012	1013	1192	**1 043**	105	**10.1**
Seam strength (kN/m):	21.8	18.2	20.2	20.3	23.8	**20.9**	2.1	**10.0**
DT Panel 275/276								
Width of seam, in the direction of the test (mm):	68.0	70.0	90.0	98.0	114.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.5			
Maximum load value (N):	1226	1139	1061	1175	1186	**1 157**	62	**5.4**
Seam strength (kN/m):	24.5	22.8	21.2	23.5	23.7	**23.1**	1.2	**5.4**

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 11, 2009

For any information concerning this report, please contact Eric Blond

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GroupeCTTGroup
Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: December 11, 2009
Report: S785-003-39819A

IDENTIFICATION: Bituminous membrane seam: DT Panel 270/271, DT Panel 275/276, DT Panel 279/280, DT Panel 296/297
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: December 9, 2009

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT Panel 279/280								
Width of seam, in the direction of the test (mm):	94.0	93.0	98.0	100.0	90.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.5			
Maximum load value (N):	1225	1175	1142	1201	1066	**1 162**	62	**5.3**
Seam strength (kN/m):	24.5	23.5	22.8	24.0	21.3	**23.2**	1.2	**5.4**
DT Panel 296/297								
Width of seam, in the direction of the test (mm):	170.0	168.0	171.0	173.0	165.0			
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5	50.5	50.5			
Maximum load value (N):	1152	1288	1115	1250	1224	**1 206**	71	**5.9**
Seam strength (kN/m):	23.1	25.8	22.3	25.0	24.5	**24.1**	1.4	**5.9**

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: December 11, 2009

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: January 25, 2010
Report: S785-003-40733A

IDENTIFICATION: Bituminous membrane seam: DT Panel 228/229, DT Panel 246/247, DT Panel 258/259, DT Panel 267/268
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: January 21, 2010

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

TEST CONDITIONS: Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
Speed: 50 mm/min.;
5 test specimens per product;
Conditioned sample(s) 48 hours at 21 ± 2°C, 55 à 70% R.H.) ;
Tested January 25, 2010

RESULTS:	Individual Data					Avg.	S.D.	% CV
DT Panel 228/229								
Width of seam, in the direction of the test (mm):	85.0	88.0	90.0					
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.5	50.5					
Maximum load value (N):	1155	1140	1226			**1 174**	46	**3.9**
Seam strength (kN/m):	23.1	22.8	24.5			**23.5**	0.9	**3.9**
DT Panel 246/247								
Width of seam, in the direction of the test (mm):	106.0	112.0	113.0	112.0	109.0			
Width of specimen, perpendicular to the direction of the test (mm):	49.5	50.5	50.5	50.5	50.0			
Maximum load value (N):	1258	1162	1241	1235	1180	**1 215**	42	**3.4**
Seam strength (kN/m):	25.2	23.2	24.8	24.7	23.6	**24.3**	0.9	**3.5**

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: January 25, 2010

For any information concerning this report, please contact Eric Blond*

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GroupeCTTGroup
Division SAGEOS
Geosynthetics Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40

Mrs Fiona Esford
Golder Associates Ltd

Date: January 25, 2010
Report: S785-003-40733A

IDENTIFICATION: Bituminous membrane seam: DT Panel 228/229, DT Panel 246/247, DT Panel 258/259, DT Panel 267/268
Project name: Meadowbank Gold
Project #: 09-1428-5007
Received: January 21, 2010

STANDARD:

TEST: Determining the Tensile Shear Strength of Pre-Fabricated Bituminous Geomembrane Seams — ASTM D7056 - 07

RESULTS (CONT):

	Individual Data					Avg.	S.D.	% CV
DT Panel 258/259								
Width of seam, in the direction of the test (mm):	147.0	147.0	105.0	125.0	148.0			
Width of specimen, perpendicular to the direction of the test (mm):	49.5	50.5	50.0	50.0	50.0			
Maximum load value (N):	1092	1078	975	1101	1182	**1 086**	74	**6.8**
Seam strength (kN/m):	21.8	21.6	19.5	22.0	23.6	**21.7**	1.5	**6.7**
DT Panel 267/268								
Width of seam, in the direction of the test (mm):	70.0	75.0	91.0	100.0				
Width of specimen, perpendicular to the direction of the test (mm):	50.5	50.0	50.5	50.5				
Maximum load value (N):	594	488	1148	1192		**856**	366	**42.8**
Seam strength (kN/m):	11.9	9.8	23.0	23.8		**17.1**	7.3	**42.6**

REMARKS: DT Panel 228/229 and DT Panel 267/268: The size of the samples received was not sufficient to conduct the number of specimens required by the test method.

Prepared by:
Catherine Groleau Rivard
Catherine Groleau Rivard, Tech.
Technician

Approved by:
Eric Blond, Eng., M.Sc.A.
Vice-President
Date: January 25, 2010

For any information concerning this report, please contact Eric Blond

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Golder Associates

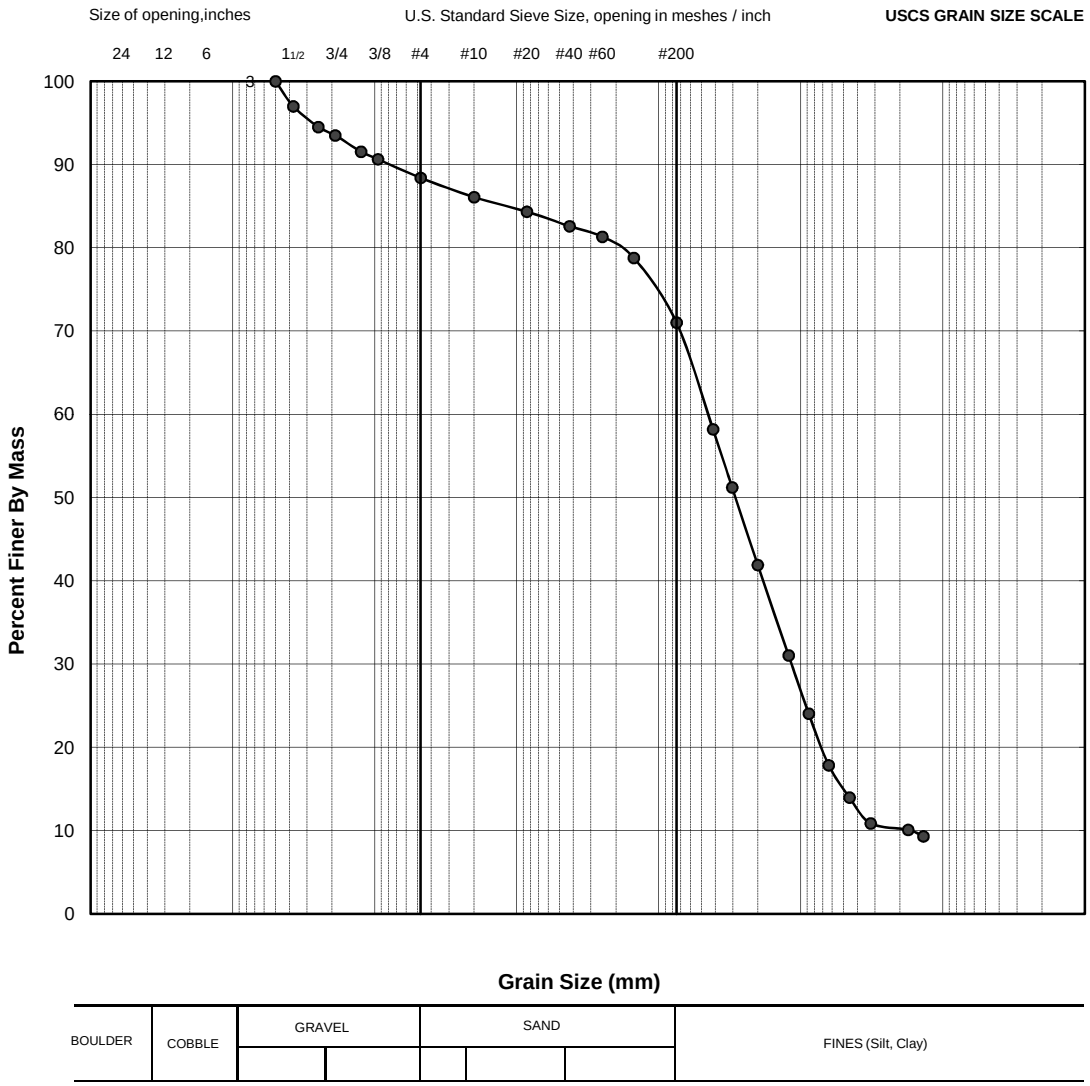
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	08-1428-0029 (5000)	**Sample:**	**5**
Client:	AEM	**Field No.:**	TSF 072604-01
Project:	Meadowbank Gold Project	**Depth (m):**	N/A
Location:	Nunavut	**Lab ID No:**	SA-5
Specific Gravity (assumed):	2.76	**Other**	
Date Sampled:	July 26, 2009	**Remarks:**	SWD, Till Borrow Source
Dispersion Method:	Stirring		
Dispersion Period (min):	960.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	75.00	100.0
2"	50.00	100.0
1.5"	37.50	97.0
1"	25.00	94.5
3/4"	19.00	93.5
1/2"	12.50	91.5
3/8"	9.50	90.6
#4	4.75	88.4
#10	2.00	86.1
#20	0.850	84.3
#40	0.425	82.6
#60	0.250	81.3
#100	0.150	78.8
#200	0.075	71.0
-	0.0415	58.2
-	0.0304	51.2
-	0.0201	41.9
-	0.0122	31.0
-	0.0088	24.1
-	0.0064	17.8
-	0.0045	14.0
-	0.0032	10.9
-	0.0018	10.1
-	0.0014	9.3



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

TESTED BY	DATE	CHECKED BY	DATE
DE	September 2, 2009		

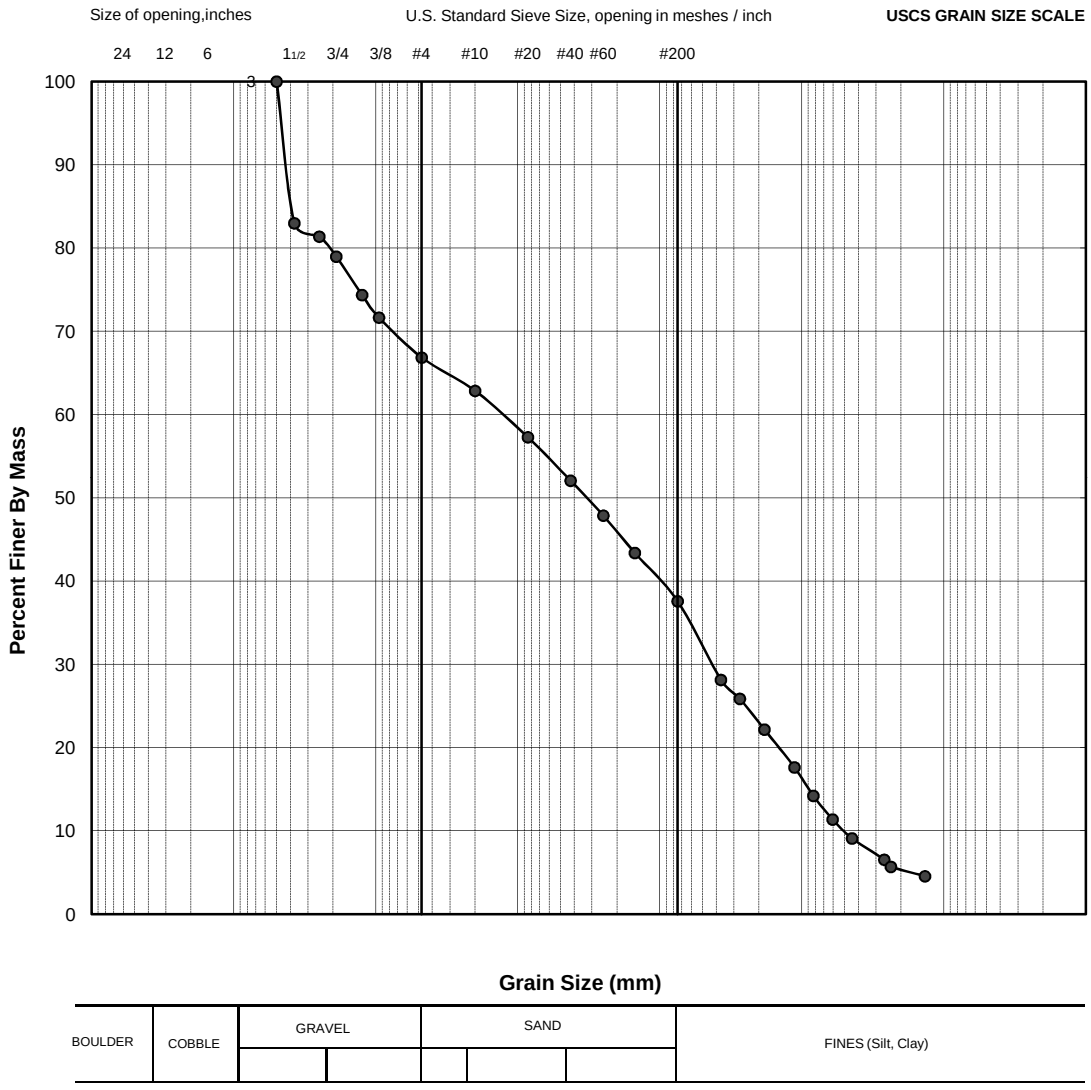
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	08-1428-0029 (5000)	**Sample:**	**11**
Client:	AEM	**Field No.:**	TSF072909-01
Project:	Meadowbank Gold Project	**Depth (m):**	N/A
Location:	Nunavut	**Lab ID No:**	SA-11

Specific Gravity (assumed):	2.70	**Other**	SWD Native till borrow material, downstream side
Date Sampled:	July 29, 2009	**Remarks:**	
Dispersion Method:	Stirring		
Dispersion Period (min):	960.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	75.00	100.0
2"	50.00	100.0
1.5"	37.50	83.0
1"	25.00	81.4
3/4"	19.00	79.0
1/2"	12.50	74.4
3/8"	9.50	71.6
#4	4.75	66.8
#10	2.00	62.9
#20	0.850	57.3
#40	0.425	52.1
#60	0.250	47.9
#100	0.150	43.4
#200	0.075	37.6
-	0.0371	28.1
-	0.0273	25.9
-	0.0183	22.2
-	0.0113	17.6
-	0.0083	14.2
-	0.0061	11.4
-	0.0044	9.1
-	0.0026	6.5
-	0.0024	5.7
-	0.0014	4.5



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 3, 2009		

Laboratory Determination of Water Content of Soil and Rock

ASTM D 2216-05

Project #:	08-1429-0029
Short Title:	Meadowbank Gold Project
Client	AEM
Location	Nunavut
Lab ID	Sheet No. 1

Field Label	TSF-072509	TSF-072509	TSF-072509	TSF-072509	TSF-072609	TSF-072609
Sample Number	1	2	3	4	5	6
Sample Location	SWD Sta. 10+735	SWD subgrade	SWD subgrade	SWD subgrade	SWD subgrade	SWD subgrade
Material Spec.	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow
Depth (m)	-	-	-	-	-	-
Mass of Dry Soil (g)	2794.3	3443.3	3549.3	3736.1	3186.5	3644.7
Water Content W (%)	**8.8**	**10.2**	**8.7**	**12.5**	**18.2**	**12.5**

Field Label	TSF-072709	TSF-072709	TSF-072809	TSF-072809	TSF-072909	TSF-073009
Sample Number	7	8	9	10	11	12
Sample Location	SWD subgrade	SWD subgrade	SWD subgrade	Till stockpile	SWD subgrade	SWD subgrade
Material Spec.	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow	Till borrow
Depth (m)	-	-	-	-	-	-
Mass of Dry Soil (g)	2353.2	4247.7	2110.8	3054.7	8619.7	7922.1
Water Content W (%)	**7.7**	**9.1**	**8.4**	**6.8**	**9.0**	**14.0**

Field Label	TSF-083009	TSF-082709	TSF-082709			
Sample Number	13	14	15			
Sample Location	SWD Sta. 10+800	SWD tie-in trench	Till stockpile			
Material Spec.	Till borrow	Till borrow	Till borrow			
Depth (m)	-	-	-			
Mass of Dry Soil (g)	4903.4	7805.4	6641.2			
Water Content W (%)	**9.8**	**9.1**	**9.8**			

RB	August 24, 2009		
TESTED BY	DATE TESTED	CHECKED BY	DATE CHECKED

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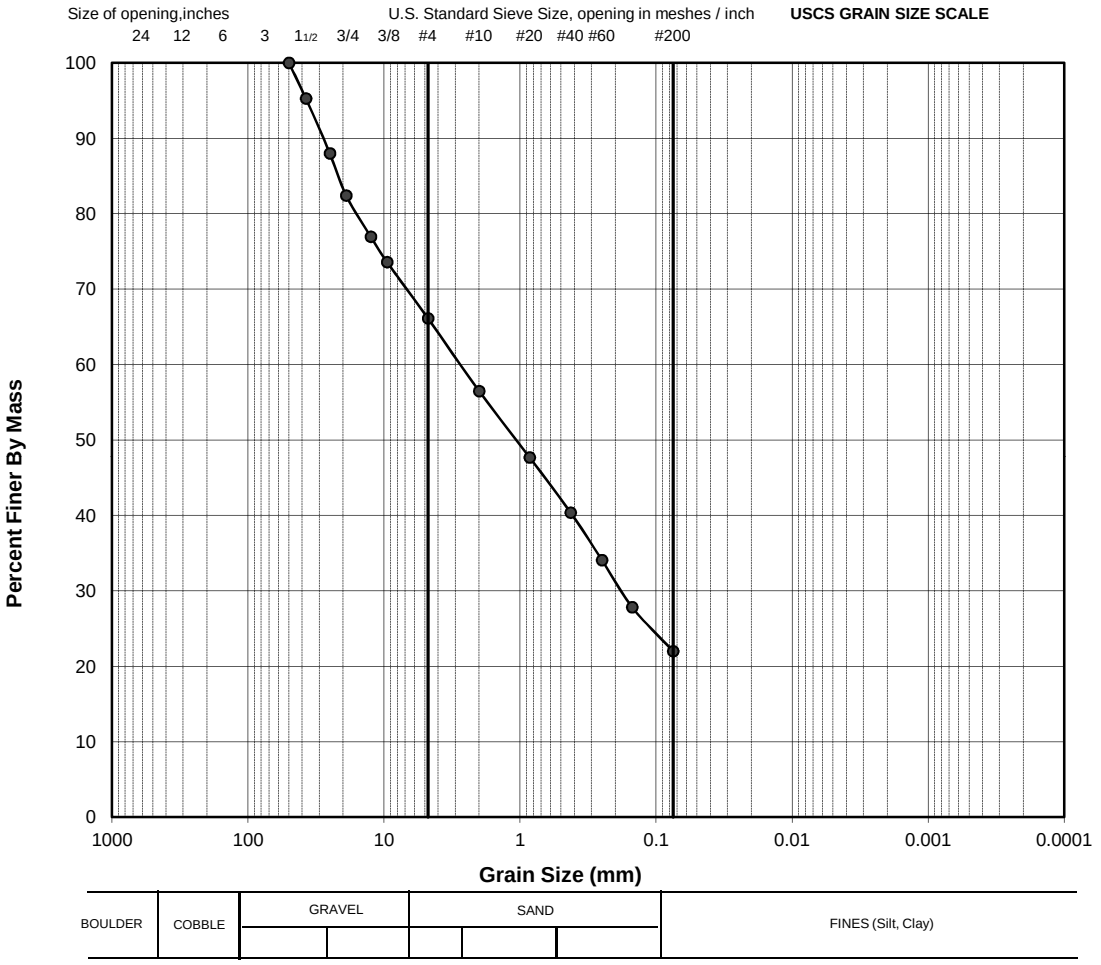
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**1**
Client:	AEM	**Field Label:**	TSF-072509-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-1
Remarks:	Water Content = 8.8%	**Sampling Date:**	July 25, 2009
Sa. Location:	SWD, Sta. 10+735 offset 50m SE	**Material Specification:**	Till borrow source
	Native borrow material	**Method:**	SPLIT, WASHED
		Date Tested:	August 17, 2009

Sieve Size (USS)	(mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	95.3
1"	25.0	88.0
3/4"	19.0	82.4
1/2"	12.5	76.9
3/8"	9.5	73.6
#4	4.8	66.1
#10	2.0	56.5
#20	0.9	47.7
#40	0.4	40.4
#60	0.3	34.1
#100	0.2	27.8
#200	0.1	22.0



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RB	August 17, 2009		
TESTED BY	DATE	CHECKED BY	DATE

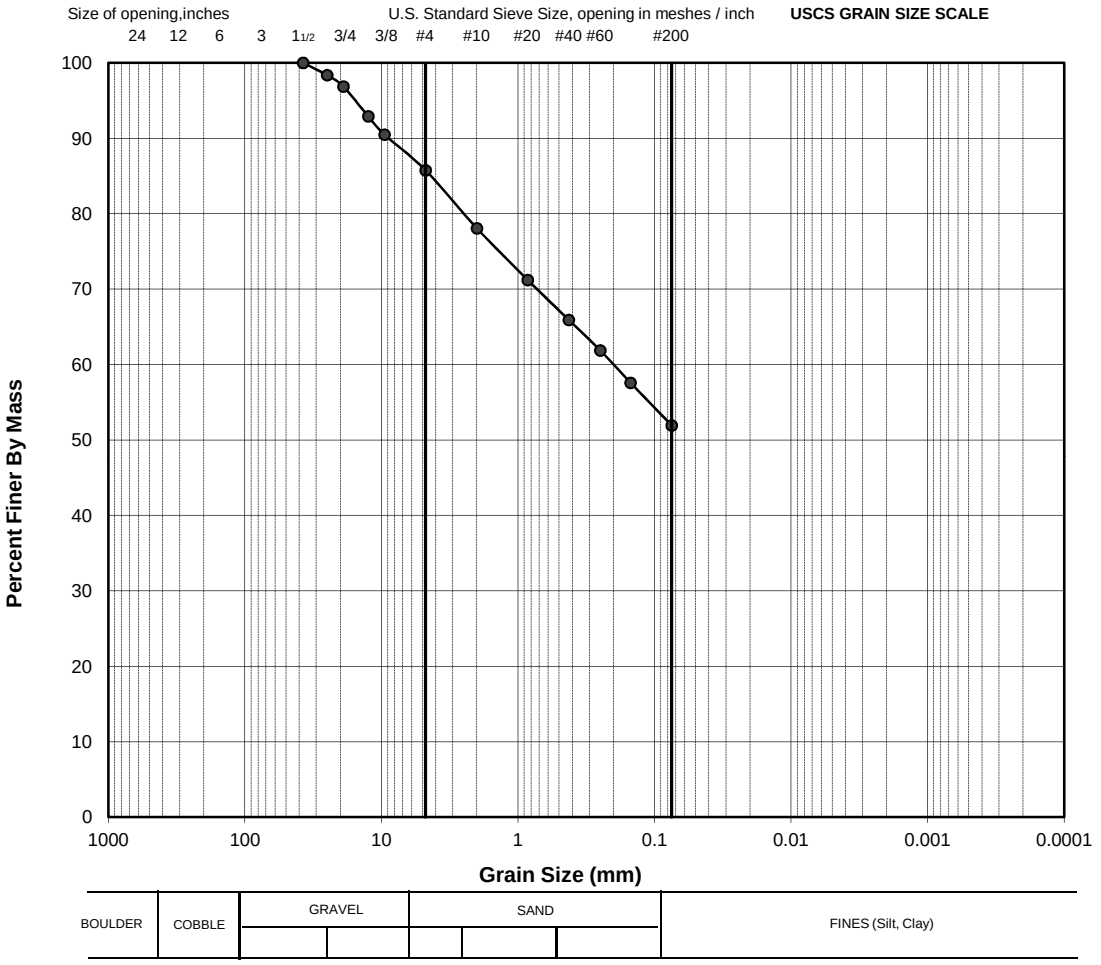
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**2**
Client:	AEM	**Field Label:**	TSF-072509-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-2
Remarks:	Water Content = 10.2%	**Sampling Date:**	July 25, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 14, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.4
3/4"	19.0	96.9
1/2"	12.5	92.9
3/8"	9.5	90.5
#4	4.8	85.8
#10	2.0	78.1
#20	0.9	71.2
#40	0.4	65.9
#60	0.3	61.9
#100	0.2	57.6
#200	0.1	51.9



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RB	August 14, 2009		
TESTED BY	DATE	CHECKED BY	DATE

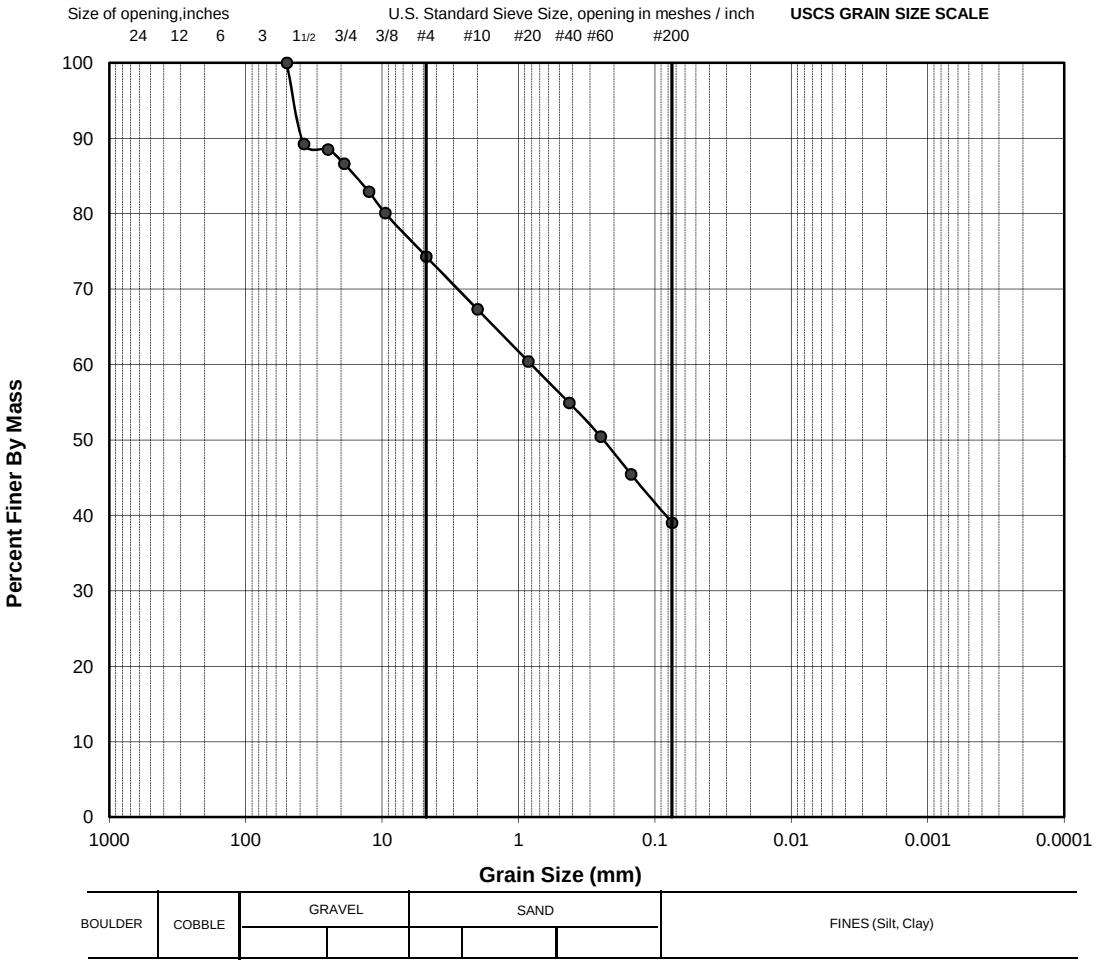
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**3**
Client:	AEM	**Field Label:**	TSF-072509-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-3
Remarks:	Water Content = 8.7%	**Sampling Date:**	July 25, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 18, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	89.2
1"	25.0	88.5
3/4"	19.0	86.6
1/2"	12.5	82.9
3/8"	9.5	80.1
#4	4.8	74.3
#10	2.0	67.3
#20	0.9	60.4
#40	0.4	54.9
#60	0.3	50.5
#100	0.2	45.5
#200	0.1	39.0



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RB	August 18, 2009		
TESTED BY	DATE	CHECKED BY	DATE

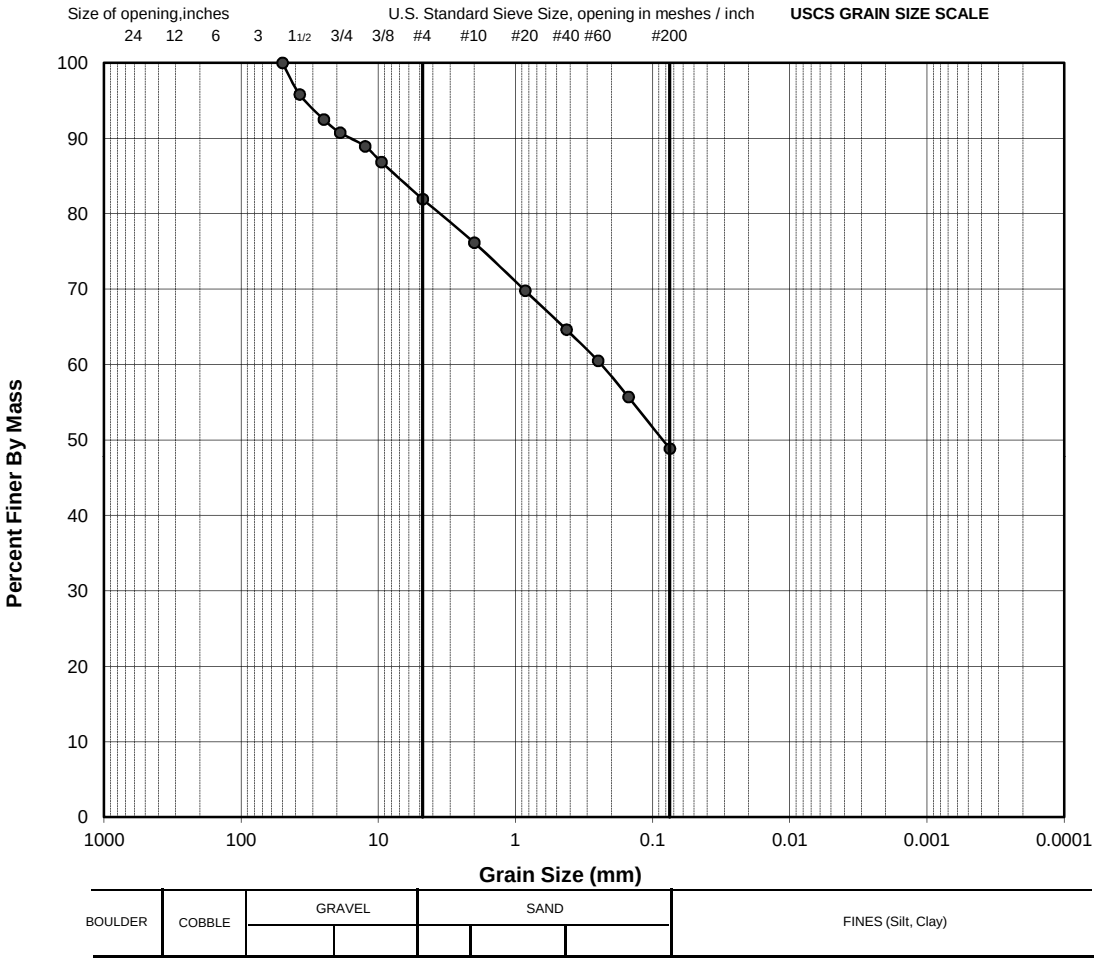
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**4**
Client:	AEM	**Field Label:**	TSF-072509-04
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-4
Remarks:	Water Content = 12.5%	**Sampling Date:**	July 25, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 18, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	95.8
1"	25.0	92.5
3/4"	19.0	90.7
1/2"	12.5	88.9
3/8"	9.5	86.8
#4	4.8	81.9
#10	2.0	76.2
#20	0.9	69.8
#40	0.4	64.6
#60	0.3	60.5
#100	0.2	55.7
#200	0.1	48.9



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RB	August 18, 2009		
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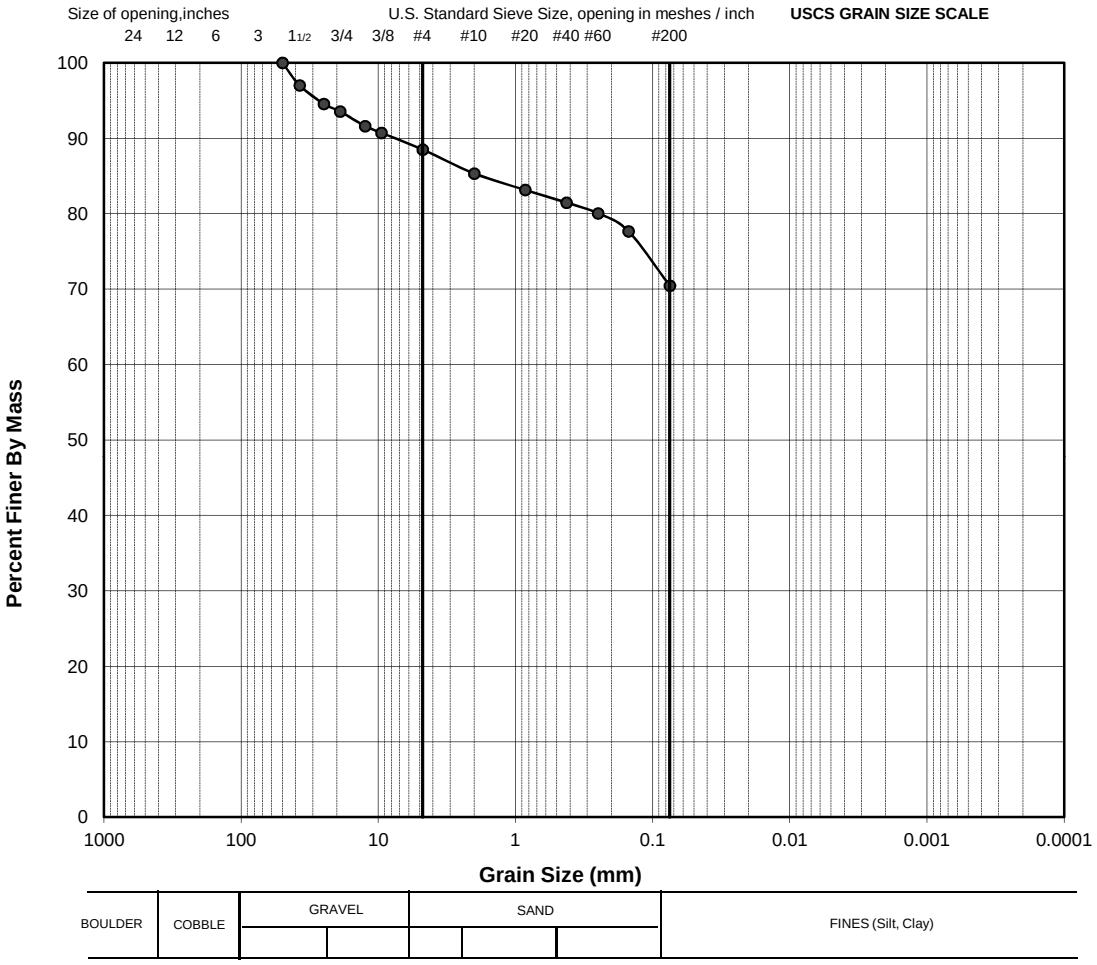
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**5**
Client:	AEM	**Field Label:**	TSF-072609-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-5
Remarks:	Water Content = 18.2%	**Sampling Date:**	July 26, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 14, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	97.0
1"	25.0	94.5
3/4"	19.0	93.5
1/2"	12.5	91.6
3/8"	9.5	90.7
#4	4.8	88.5
#10	2.0	85.3
#20	0.9	83.1
#40	0.4	81.5
#60	0.3	80.0
#100	0.2	77.7
#200	0.1	70.5



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RB	August 14, 2009		
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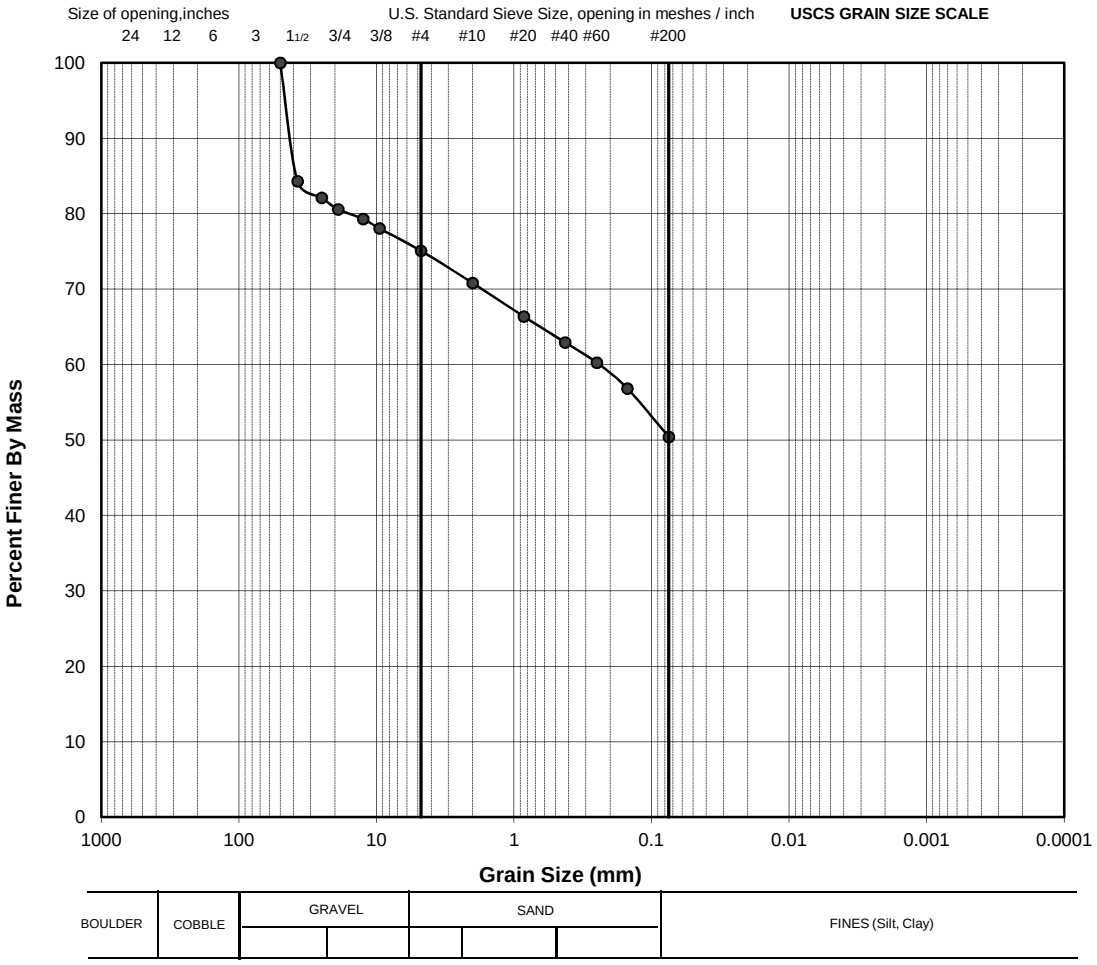
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**6**
Client:	AEM	**Field Label:**	TSF-072609-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-6
Remarks:	Water Content = 12.5%	**Sampling Date:**	July 26, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 17, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	84.3
1"	25.0	82.1
3/4"	19.0	80.6
1/2"	12.5	79.3
3/8"	9.5	78.1
#4	4.8	75.1
#10	2.0	70.8
#20	0.9	66.4
#40	0.4	62.9
#60	0.3	60.3
#100	0.2	56.8
#200	0.1	50.4



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RB	August 17, 2009		
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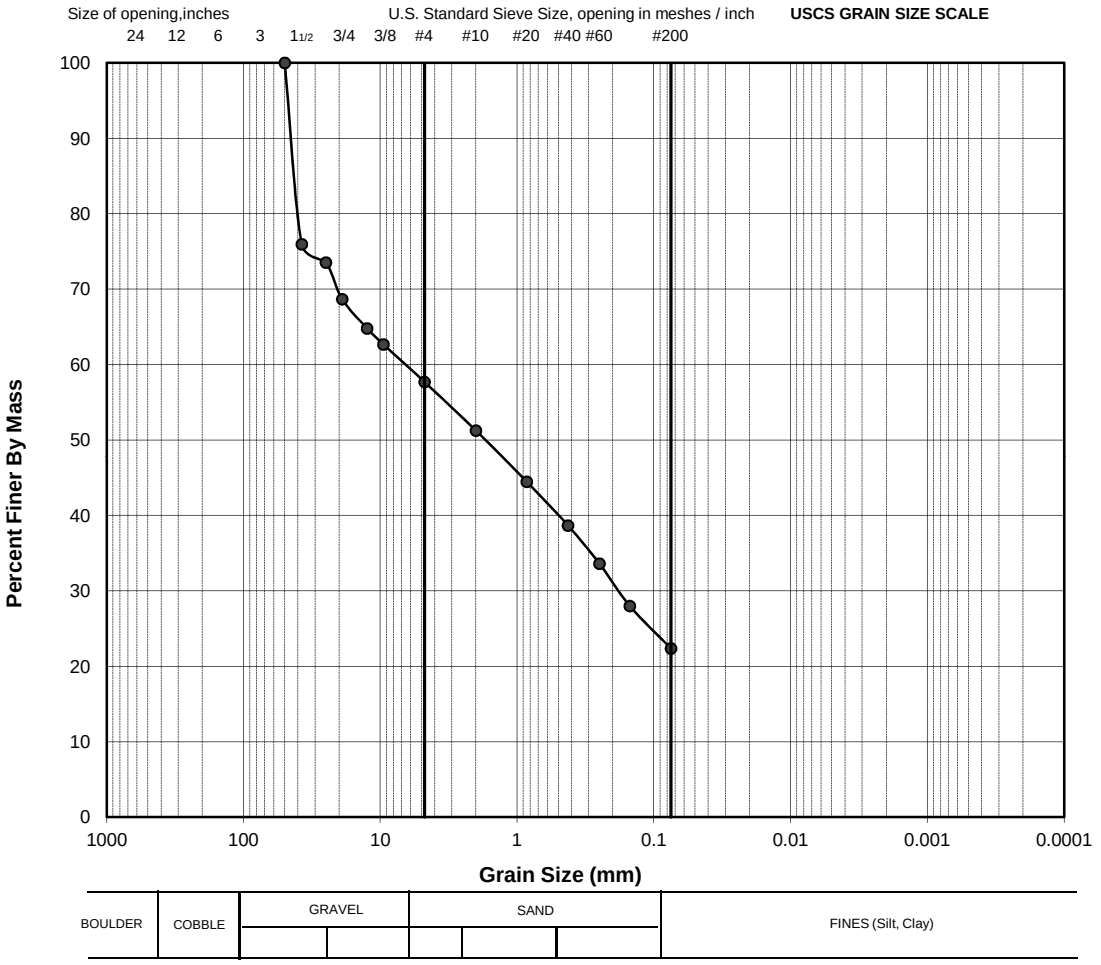
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**7**
Client:	AEM	**Field Label:**	TSF-072709-01
Project:	Meadowbank Gold Mine	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-7
Remarks:	Water Content = 7.7%	**Sampling Date:**	July 27, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 13, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	75.9
1"	25.0	73.5
3/4"	19.0	68.7
1/2"	12.5	64.8
3/8"	9.5	62.7
#4	4.8	57.7
#10	2.0	51.2
#20	0.9	44.5
#40	0.4	38.7
#60	0.3	33.6
#100	0.2	28.0
#200	0.1	22.4



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RB	August 13, 2009		
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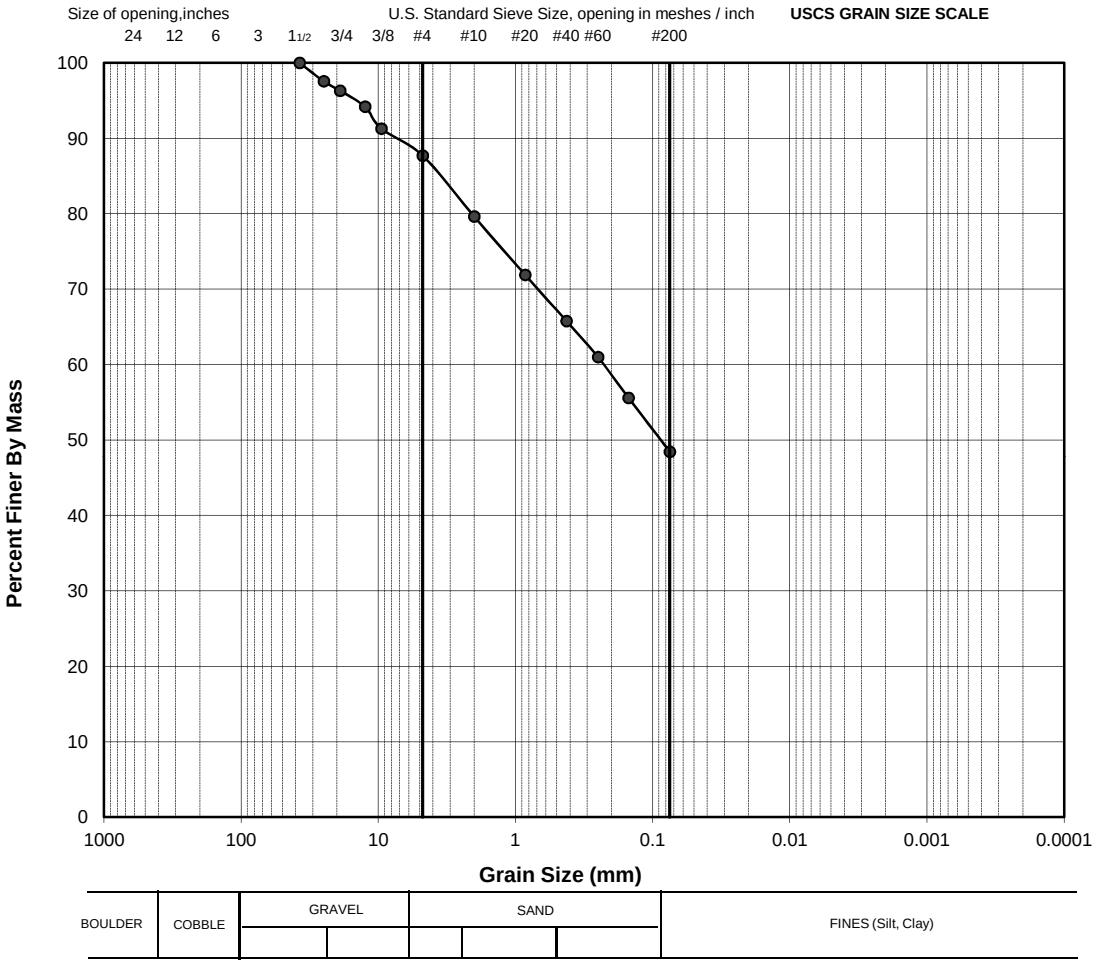
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	07-1428-0028	**Sample No.:**	**8**
Client:	AEM	**Field Label:**	TSF-072709-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-8
Remarks:	Water Content = 9.1%	**Sampling Date:**	July 27, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 13, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	97.6
3/4"	19.0	96.3
1/2"	12.5	94.2
3/8"	9.5	91.3
#4	4.8	87.7
#10	2.0	79.6
#20	0.9	71.9
#40	0.4	65.8
#60	0.3	61.0
#100	0.2	55.6
#200	0.1	48.4



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RB	August 13, 2009		
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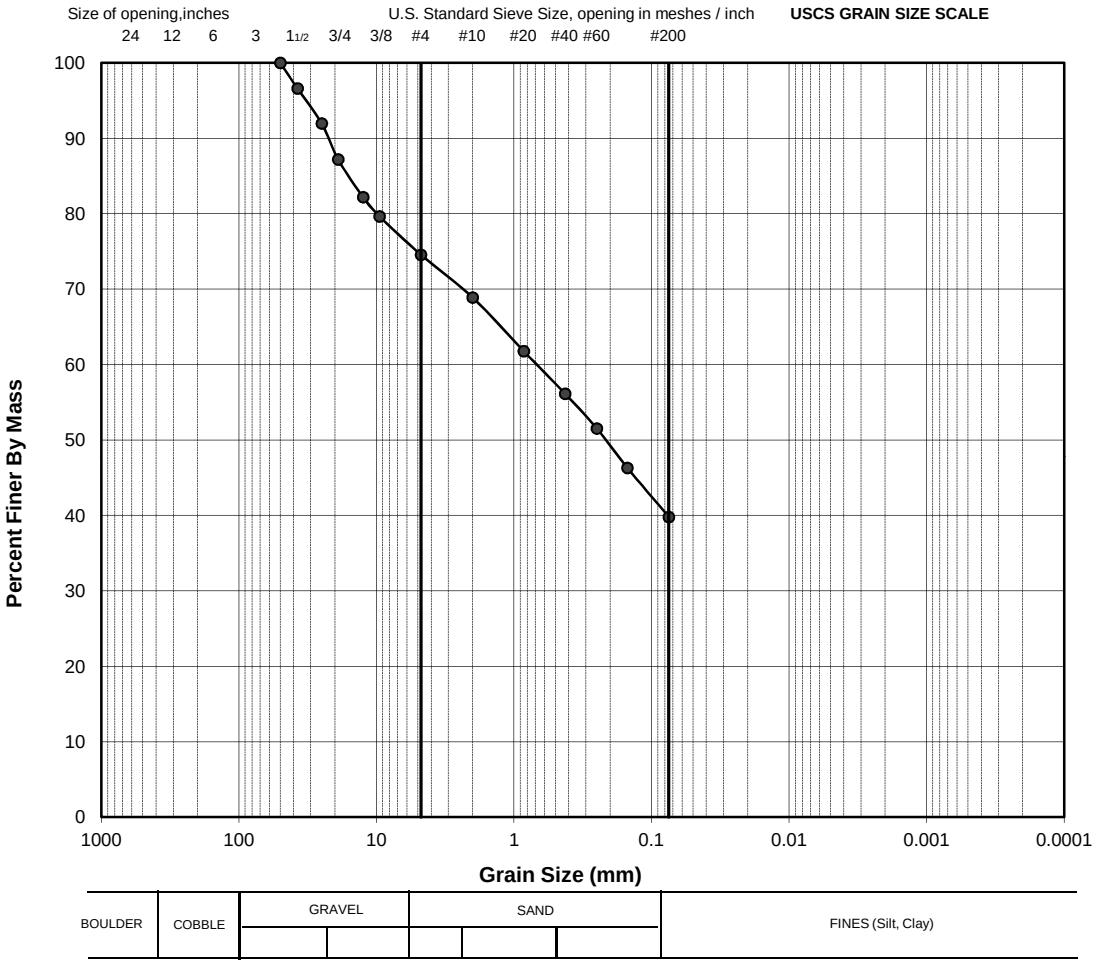
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**9**
Client:	AEM	**Field Label:**	TSF-072809-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-9
Remarks:	Water Content = 8.4%	**Sampling Date:**	July 28, 2009
Sa. Location:	SWD Native borrow material	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 16, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	96.6
1"	25.0	92.0
3/4"	19.0	87.2
1/2"	12.5	82.2
3/8"	9.5	79.7
#4	4.8	74.6
#10	2.0	68.9
#20	0.9	61.8
#40	0.4	56.1
#60	0.3	51.5
#100	0.2	46.3
#200	0.1	39.8



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RB	August 16, 2009		
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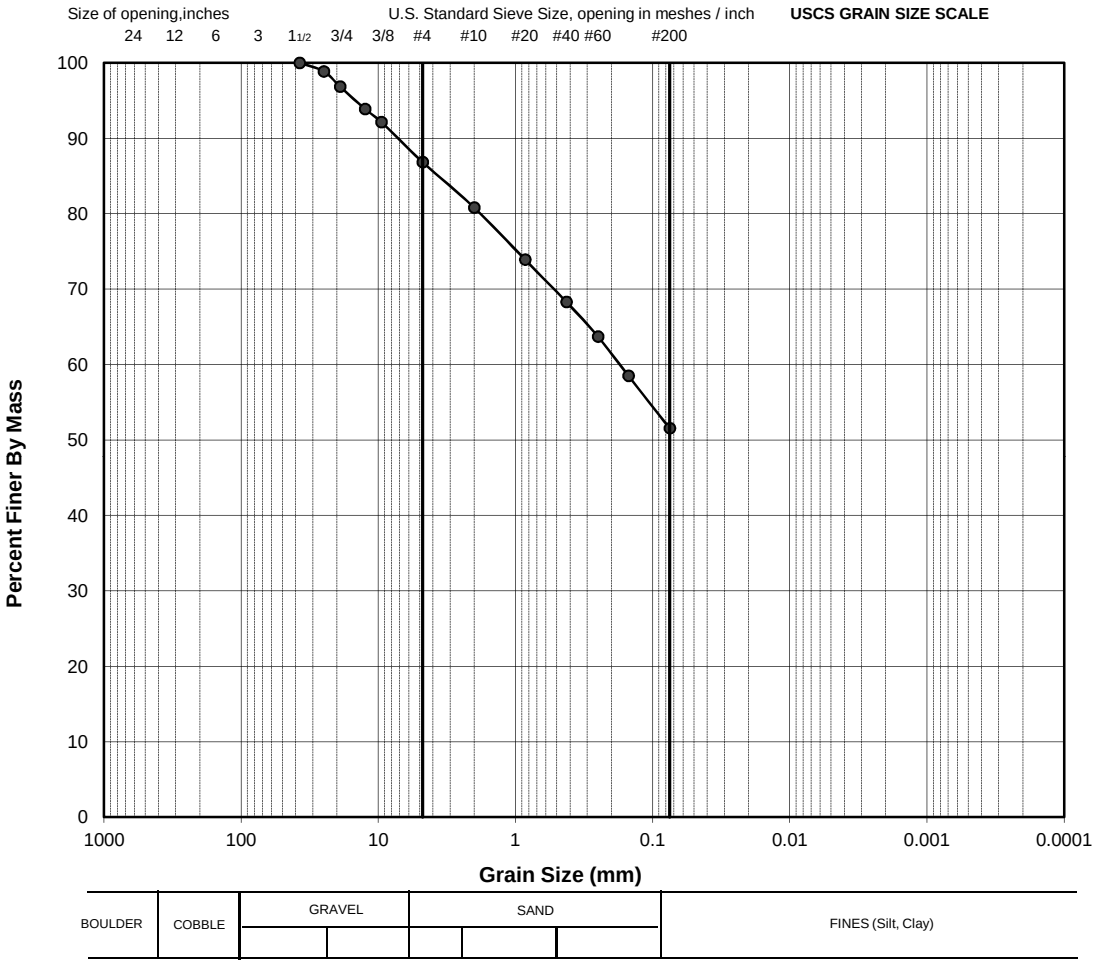
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**10**
Client:	AEM	**Field Label:**	TSF-072809-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-10
Remarks:	Water Content = 6.8%	**Sampling Date:**	July 28, 2009
Sa. Location:	SWD, Till stockpile north of east abutment	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 17, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	98.9
3/4"	19.0	96.9
1/2"	12.5	93.9
3/8"	9.5	92.2
#4	4.8	86.8
#10	2.0	80.8
#20	0.9	73.9
#40	0.4	68.3
#60	0.3	63.7
#100	0.2	58.5
#200	0.1	51.6



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RB	August 17, 2009		
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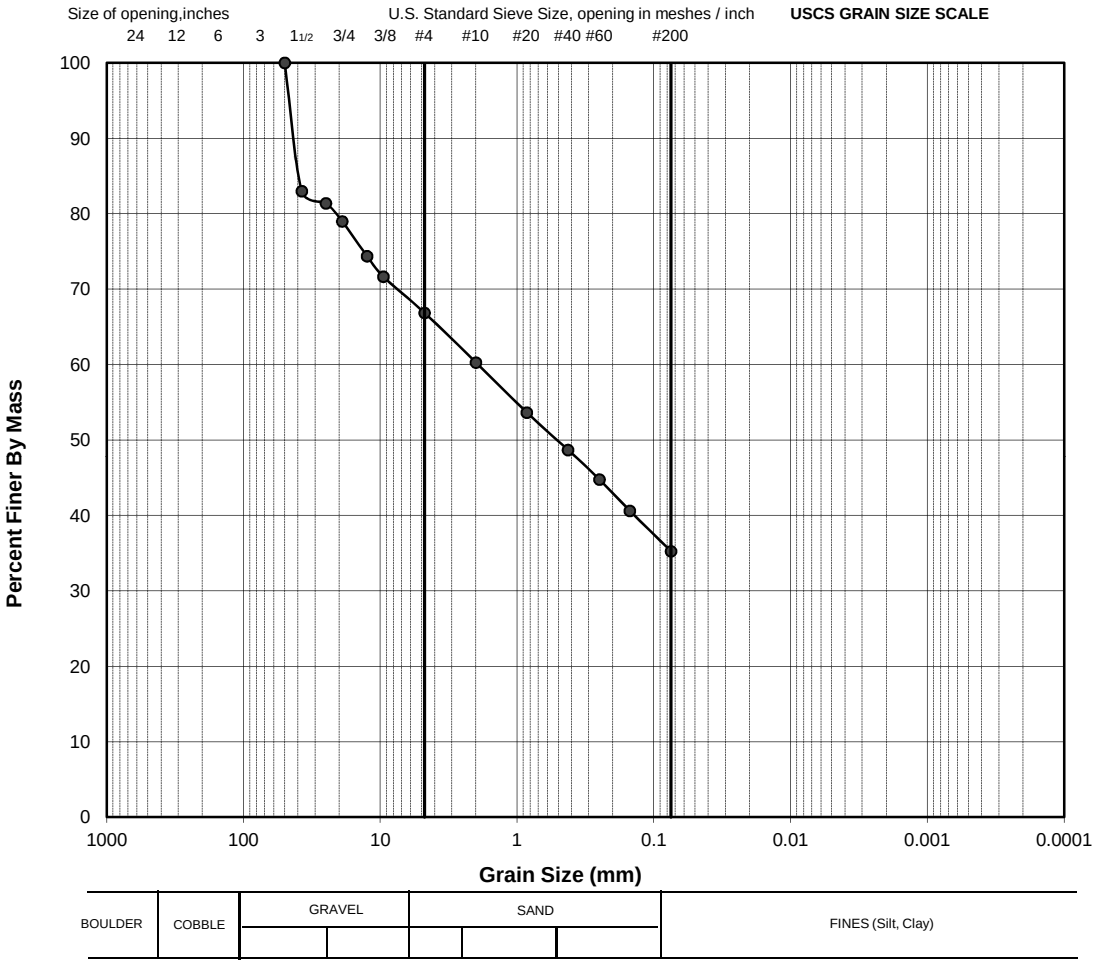
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**11**
Client:	AEM	**Field Label:**	TSF-072909-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-11
Remarks:	Water Content = 9.0%	**Sampling Date:**	July 29, 2009
Sa. Location:	SWD Native borrow material, downstream side	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 16, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	83.0
1"	25.0	81.4
3/4"	19.0	79.0
1/2"	12.5	74.4
3/8"	9.5	71.6
#4	4.8	66.8
#10	2.0	60.3
#20	0.9	53.6
#40	0.4	48.7
#60	0.3	44.8
#100	0.2	40.6
#200	0.1	35.2



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RB	August 16, 2009		
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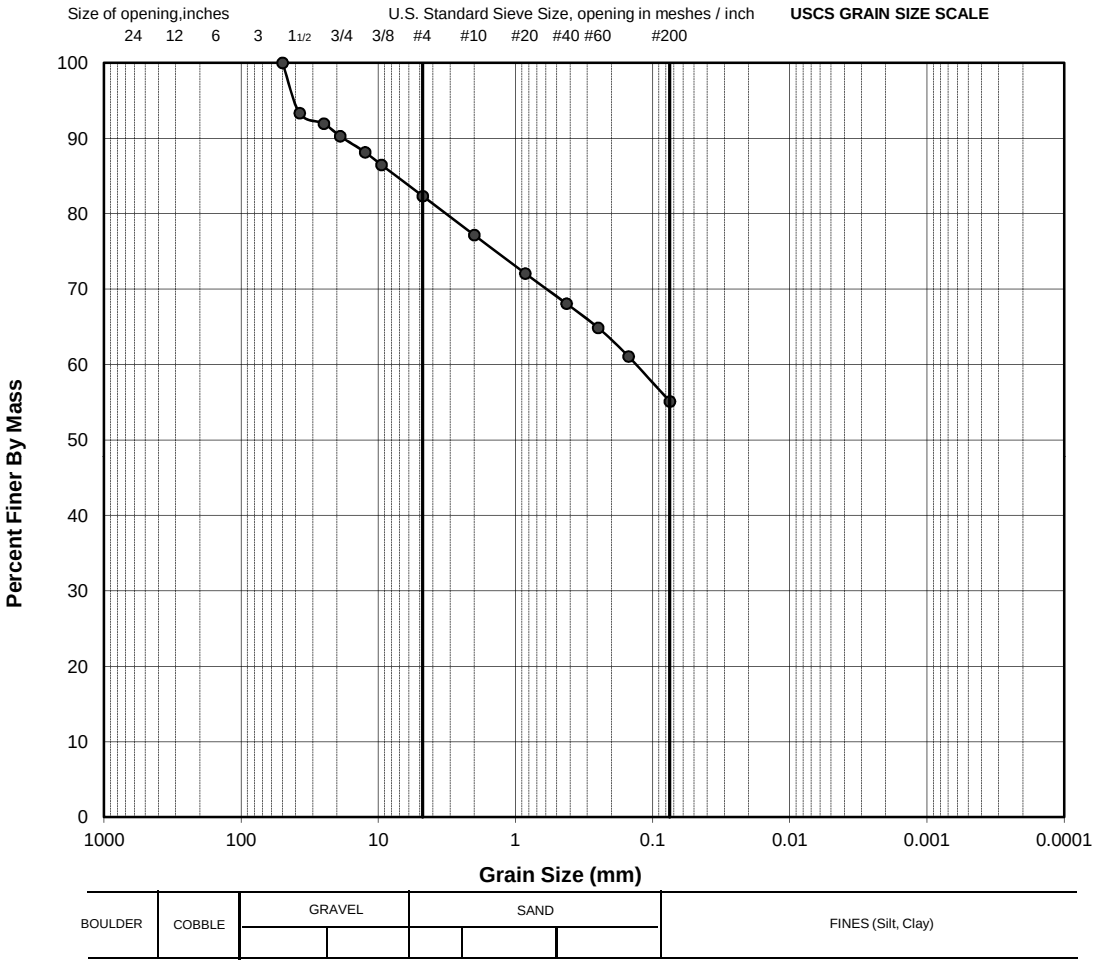
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**12**
Client:	AEM	**Field Label.:**	TSF-073009-01
Project:	Meadowbank Gold Mine	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-12
Remarks:	Water content = 14.0%	**Sampling Date:**	July 30, 2009
Sa. Location:	SWD Native borrow material, downstream side	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 15, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	93.3
1"	25.0	91.9
3/4"	19.0	90.3
1/2"	12.5	88.1
3/8"	9.5	86.5
#4	4.8	82.3
#10	2.0	77.2
#20	0.9	72.1
#40	0.4	68.1
#60	0.3	64.9
#100	0.2	61.1
#200	0.1	55.1



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RB	August 15, 2009		
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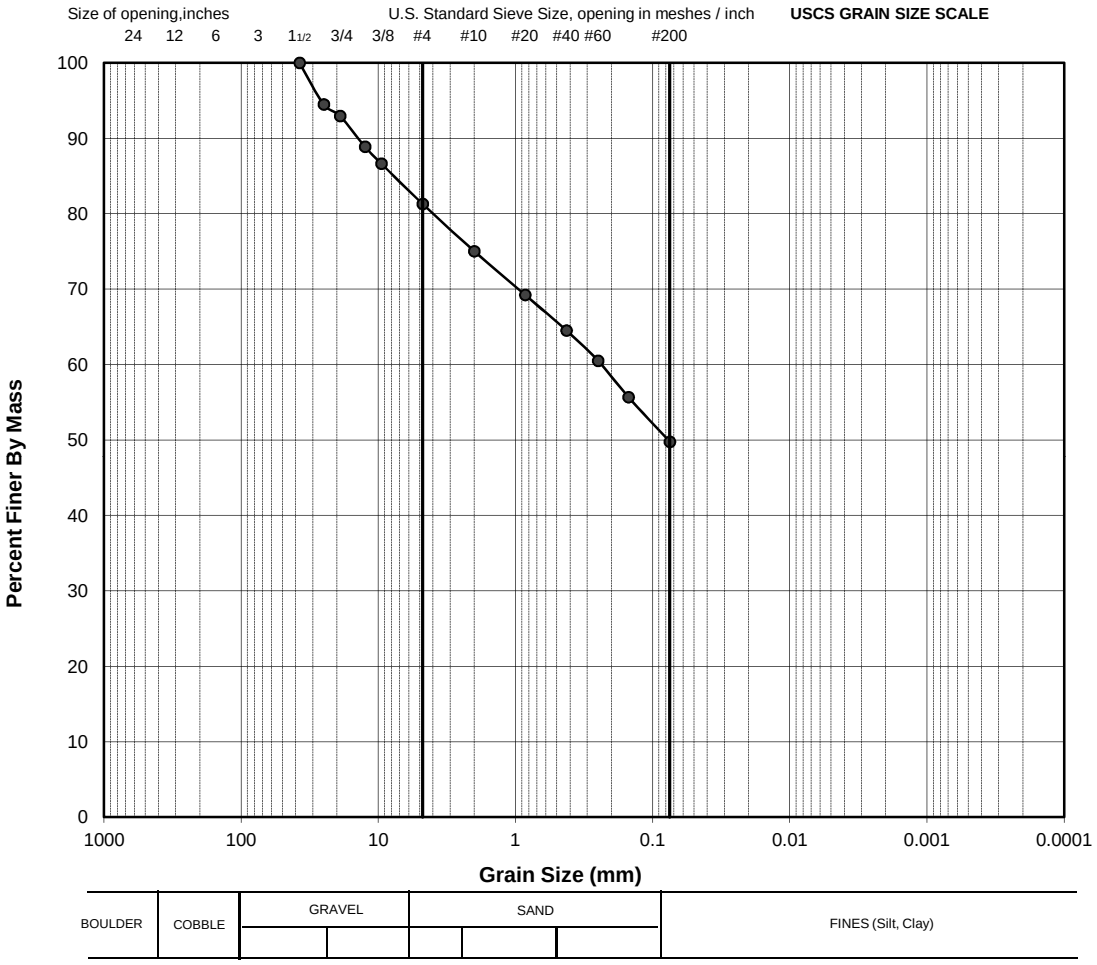
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Borehole:**	**13**
Client:	AEM	**Sample No.:**	TSF-080209-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-13
Remarks:	Water content = 9.8%	**Sampling Date:**	August 2, 2009
Sa. Location:	SWD Sta. 30+800 Native borrow material toe of downstream side	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 12, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	94.5
3/4"	19.0	93.0
1/2"	12.5	88.9
3/8"	9.5	86.6
#4	4.8	81.3
#10	2.0	75.0
#20	0.9	69.2
#40	0.4	64.5
#60	0.3	60.5
#100	0.2	55.7
#200	0.1	49.8



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RB	August 12, 2009		
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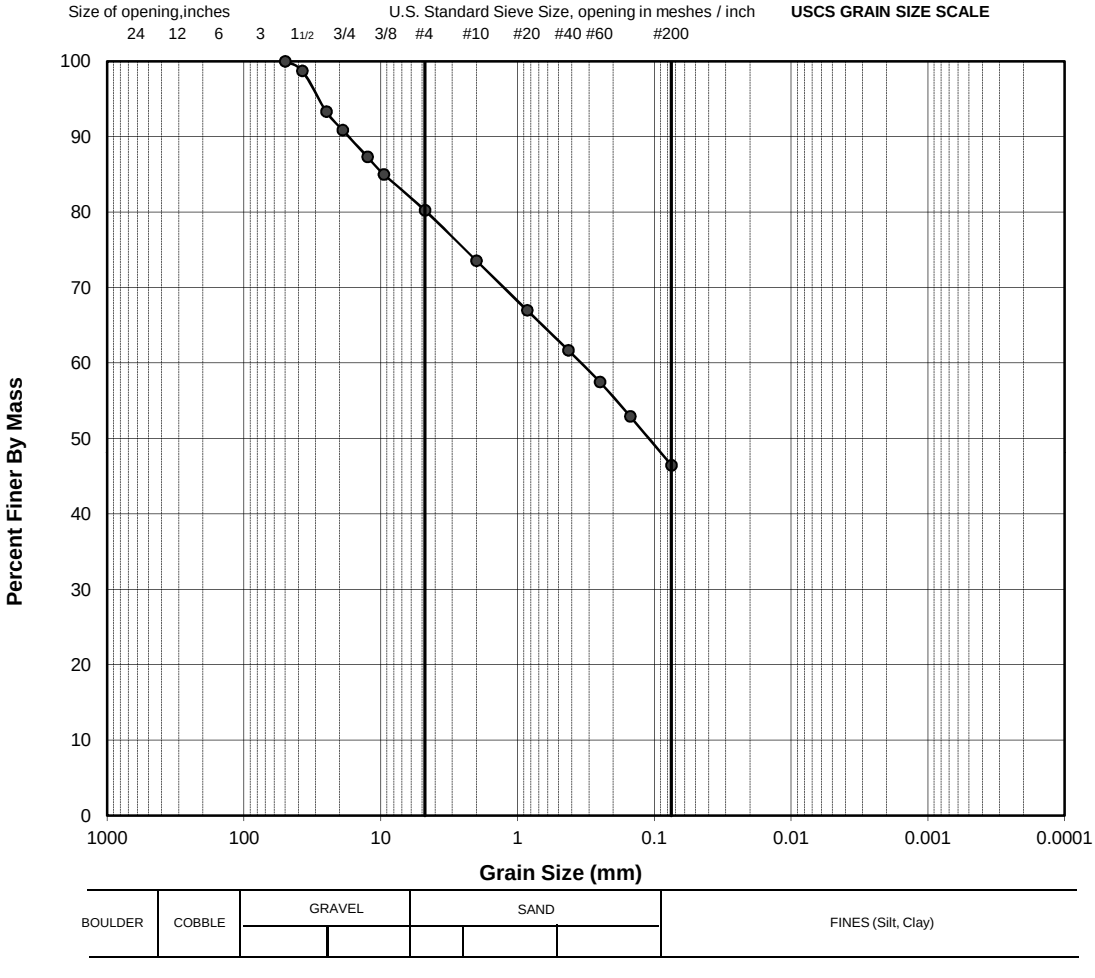
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**14**
Client:	AEM	**Field Label:**	TSF-072809-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-14
Remarks:	Water content = 9.1%	**Sampling Date:**	July 28, 2009
Sa. Location:	SWD Native borrow material, tie-in trench	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 20, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	98.7
1"	25.0	93.3
3/4"	19.0	90.9
1/2"	12.5	87.3
3/8"	9.5	85.0
#4	4.8	80.3
#10	2.0	73.6
#20	0.9	67.0
#40	0.4	61.7
#60	0.3	57.5
#100	0.2	52.9
#200	0.1	46.4



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RB	August 20, 2009		
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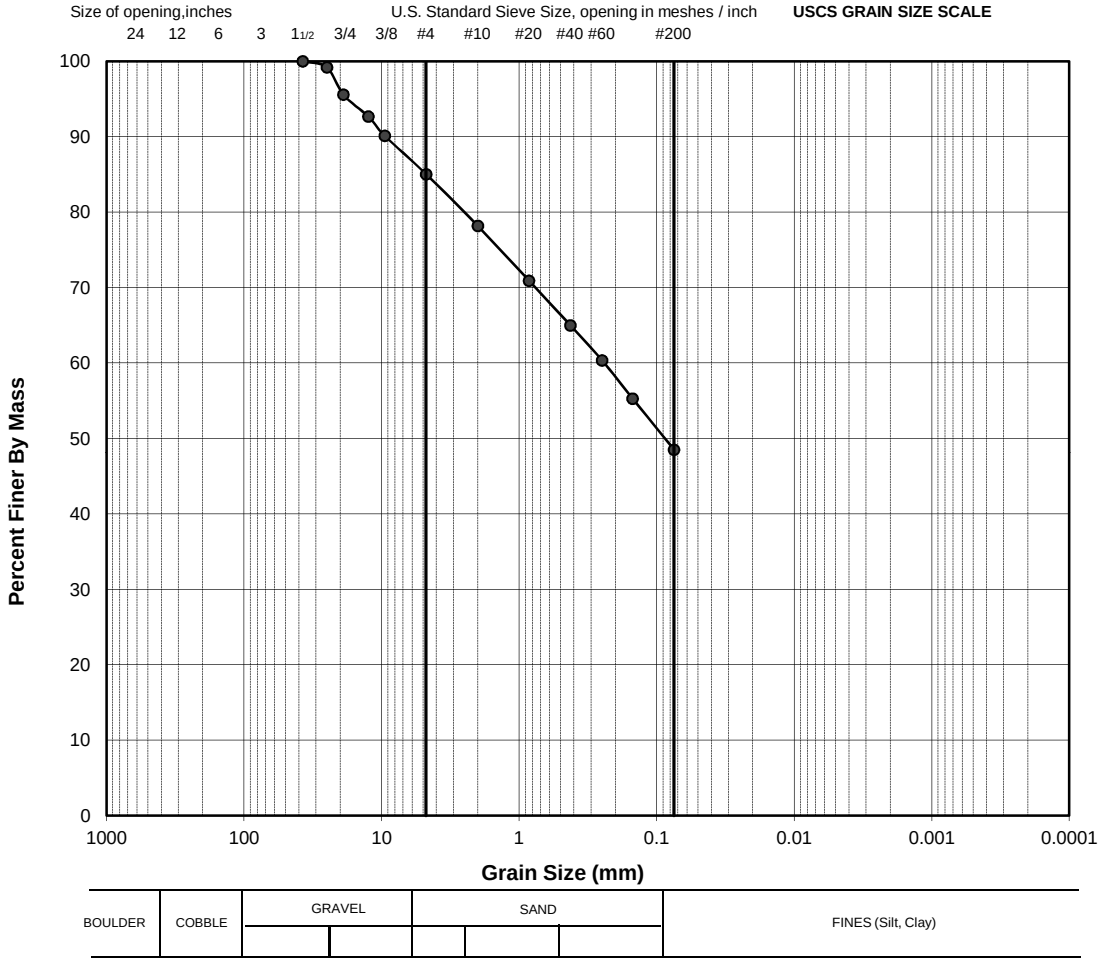
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**15**
Client:	AEM	**Field Label:**	TSF-072809-04
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA-15
Remarks:	Water content = 9.8%	**Sampling Date:**	July 28, 2009
Sa. Location:	SWD, Till stockpile north of east abutment	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	August 20, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	99.2
3/4"	19.0	95.6
1/2"	12.5	92.7
3/8"	9.5	90.1
#4	4.8	85.0
#10	2.0	78.2
#20	0.9	70.9
#40	0.4	65.0
#60	0.3	60.3
#100	0.2	55.3
#200	0.1	48.5



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RB	August 20, 2009		
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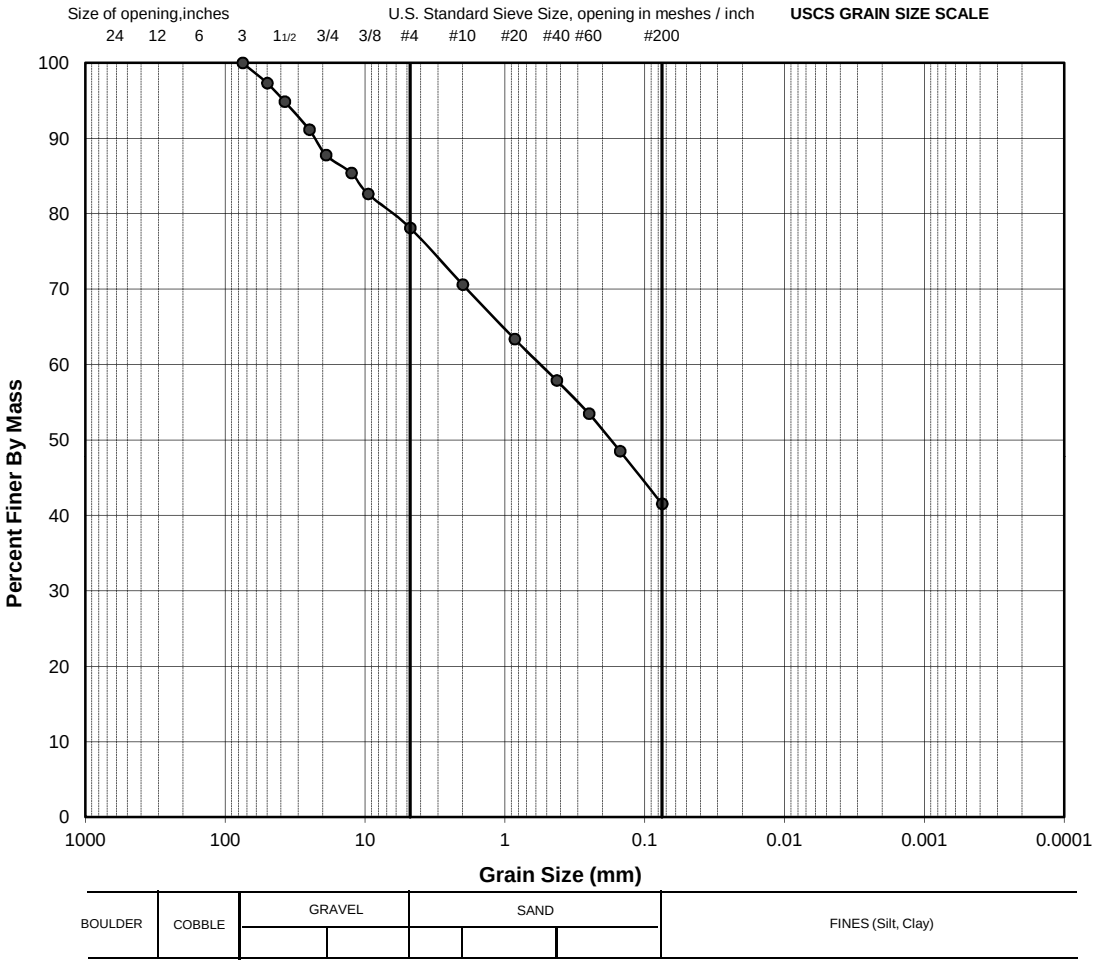
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**35**
Client:	AEM	**Field Label:**	TSF090609-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA35
Remarks:	Water Content = 10.1%	**Date Sampled:**	September 6, 2009
Sa. Location:	SWD, Till stockpile north of east abutment	**Material Specification:**	Till borrow source
		Method:	SPLIT, WASHED
		Date Tested:	September 8, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	100.0
2"	50.0	97.3
1.5"	37.5	94.9
1"	25.0	91.2
3/4"	19.0	87.8
1/2"	12.5	85.4
3/8"	9.5	82.6
#4	4.8	78.1
#10	2.0	70.6
#20	0.9	63.4
#40	0.4	57.9
#60	0.3	53.5
#100	0.2	48.5
#200	0.1	41.6



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TESTED BY	DATE	CHECKED BY	DATE
DE	September 8, 2009		

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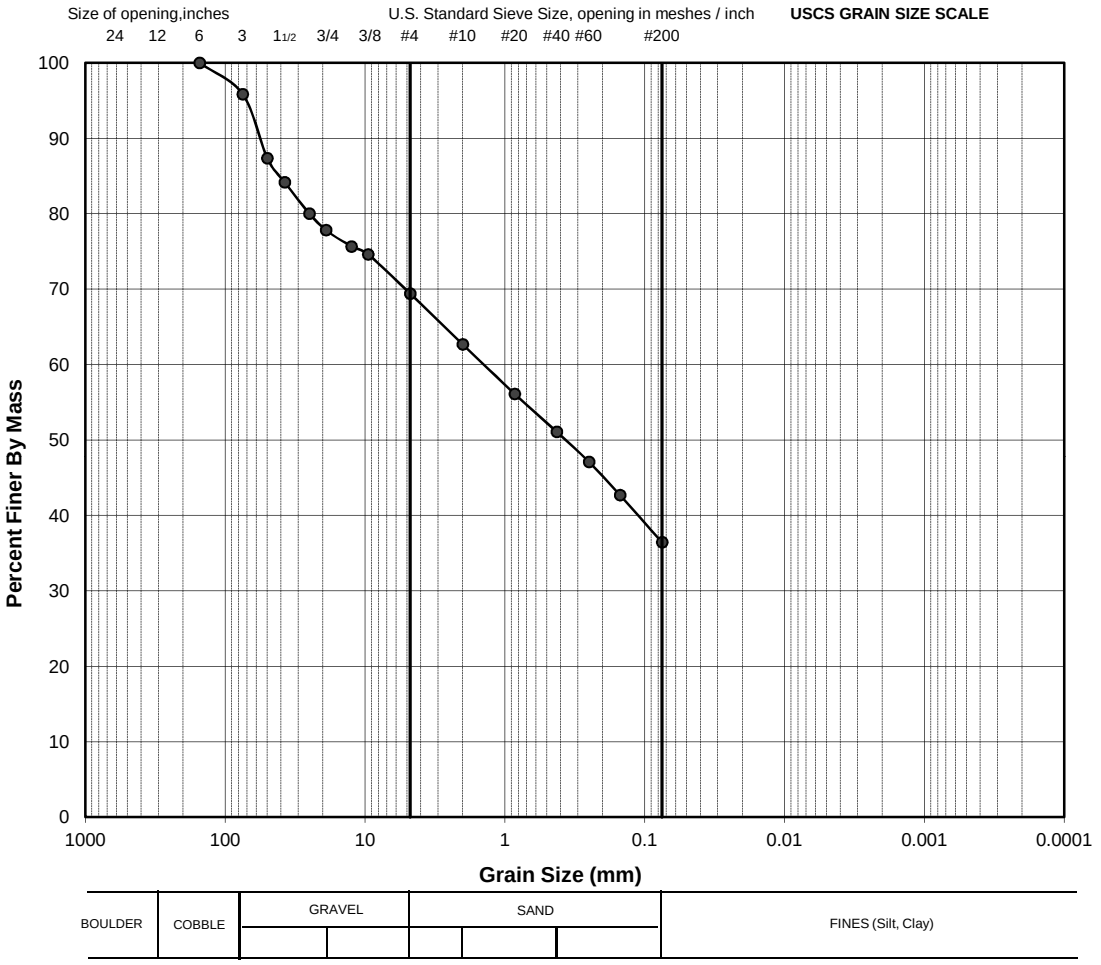
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**36**
Client:	AEM	**Field Label:**	TSF090609-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA36
Remarks:	Water Content = 9.9%	**Date Sampled:**	September 6, 2009
Sa. Location:	SWD, Till in place Sta. 10+900 at tie-in trench toe of fine filter	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	September 8, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	95.8
2"	50.0	87.4
1.5"	37.5	84.2
1"	25.0	80.0
3/4"	19.0	77.8
1/2"	12.5	75.7
3/8"	9.5	74.6
#4	4.8	69.4
#10	2.0	62.7
#20	0.9	56.1
#40	0.4	51.1
#60	0.3	47.1
#100	0.2	42.7
#200	0.1	36.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

TESTED BY	DATE	CHECKED BY	DATE
DE	September 8, 2009		

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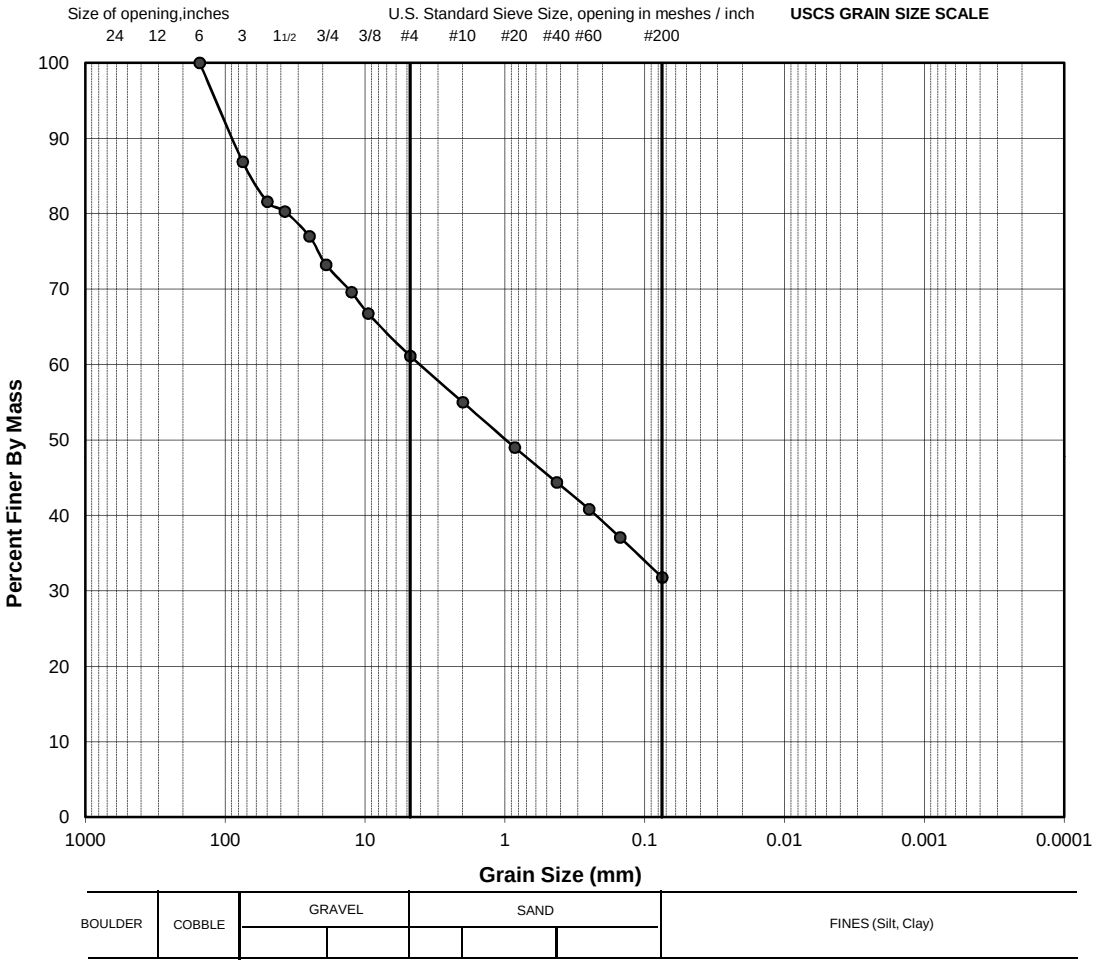
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	08-1428-0029	**Sample No.:**	**37**
Client:	AEM	**Field Label:**	TSF090609-04
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA37
Remarks:	Water Content = 10.4%	**Date Sampled:**	September 6, 2009
Sa. Location:	SWD, Till in place Sta. 10+470 at tie-in trench toe of fine filter	**Material Specification:**	Till borrow
		Method:	SPLIT, WASHED
		Date Tested:	September 8, 2009

Sieve Size (USS)	Sieve Size (mm)	Passing %
6"	152.4	100.0
3"	75.0	86.9
2"	50.0	81.6
1.5"	37.5	80.3
1"	25.0	77.0
3/4"	19.0	73.2
1/2"	12.5	69.6
3/8"	9.5	66.8
#4	4.8	61.1
#10	2.0	55.0
#20	0.9	49.0
#40	0.4	44.4
#60	0.3	40.8
#100	0.2	37.1
#200	0.1	31.8



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DE	September 8, 2009		
TESTED BY	DATE	CHECKED BY	DATE

APPENDIX B

2010 QA DOCUMENTATION

Golder Associates Ltd. - Burnaby Laboratory
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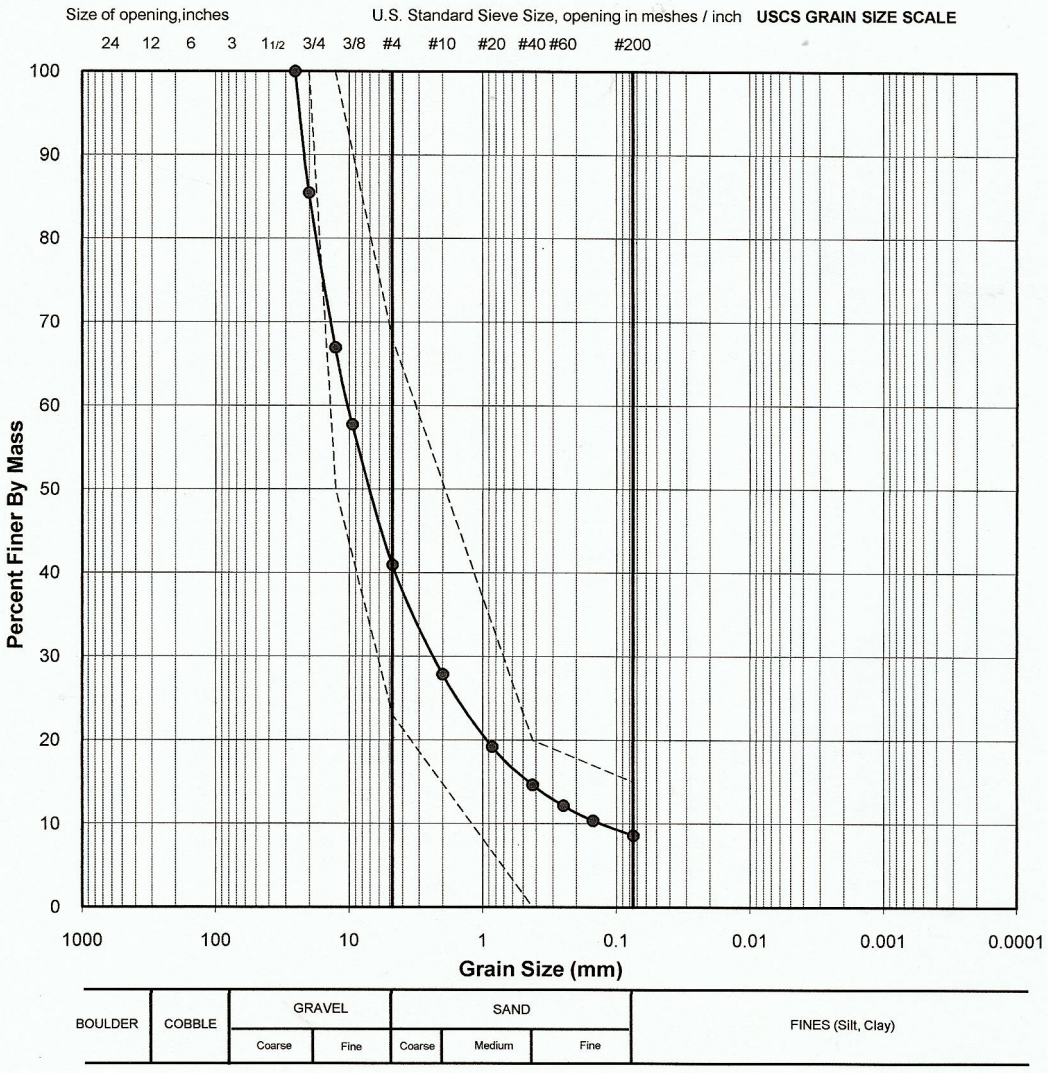
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**201**
Client:	AEM	**Field Label:**	BG072810-2
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 201
Remarks:	Water Content = 1.5%	**Date Sampled:**	July 28, 2010
Location:	NPAG STOCKPILE 2	**Material Specification:**	0-20 mm crushed stone
		Method:	COMBINED, WASHED
		Date Tested:	August 7, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	100.0
3/4"	20.0	85.5
1/2"	12.7	67.0
3/8"	9.5	57.8
#4	4.760	40.9
#10	2.000	27.9
#20	0.850	19.2
#40	0.425	14.7
#60	0.250	12.2
#100	0.150	10.4
#200	0.075	8.6



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO	August 7, 2010	YB	Sept. 21, 2010
TESTED BY	DATE	CHECKED BY	DATE

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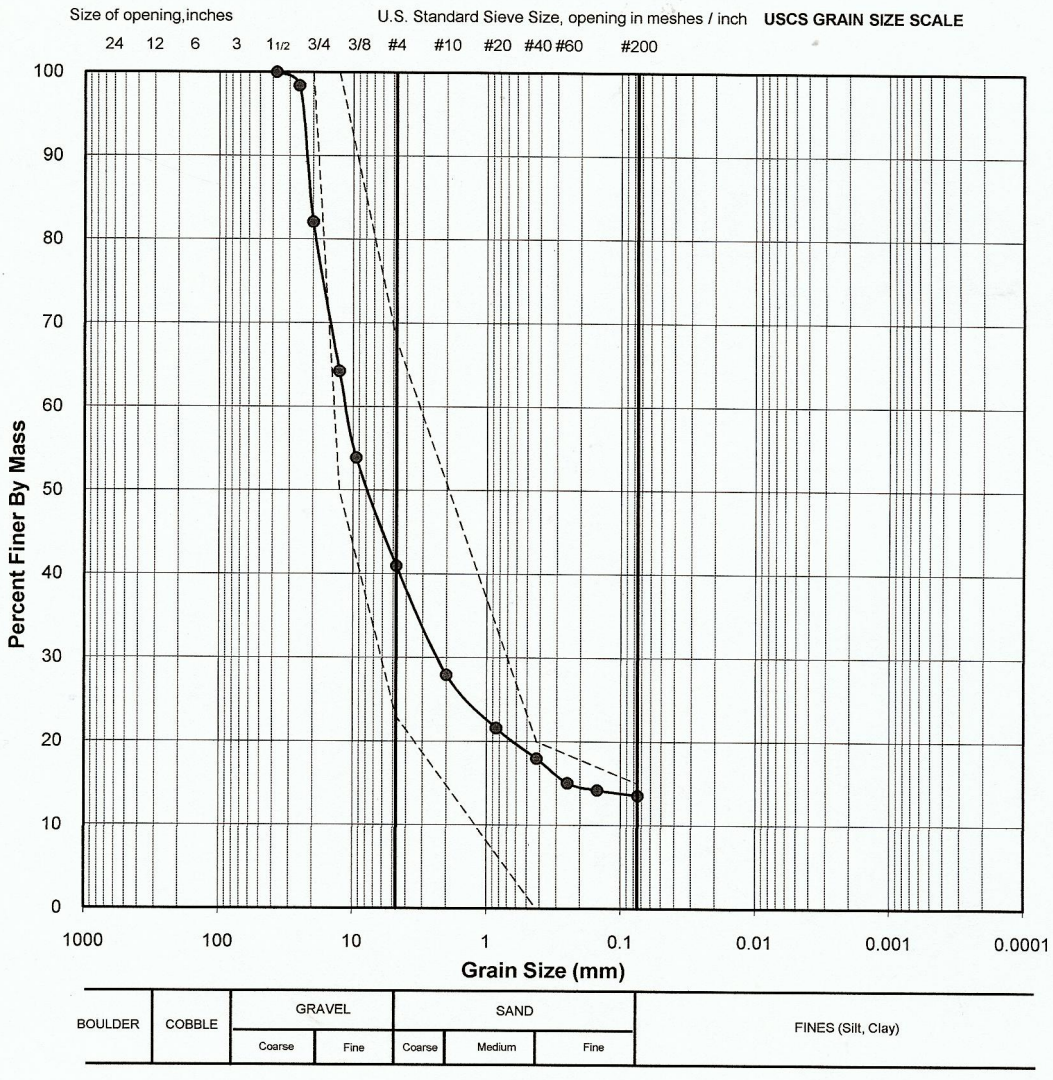
PARTICLE SIZE ANALYSIS OF SOILS

Reference: ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**202**
Client:	AEM	**Field Label:**	BG072810-3
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 202
Remarks:	Water Content = 1.2%	**Date Sampled:**	July 28, 2010
Location:	NPAG Stockpile 1	**Material Specification:**	0-20 mm crushed stone
		Method:	COMBINED, WASHED
		Date Tested:	August 6, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	98.4
3/4"	20.0	82.1
1/2"	12.7	64.3
3/8"	9.5	53.9
#4	4.760	41.0
#10	2.000	28.0
#20	0.850	21.6
#40	0.425	18.0
#60	0.250	15.1
#100	0.150	14.2
#200	0.075	13.6



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO	August 6, 2010	YB	Sept. 21, 2010
TESTED BY	DATE	CHECKED BY	DATE

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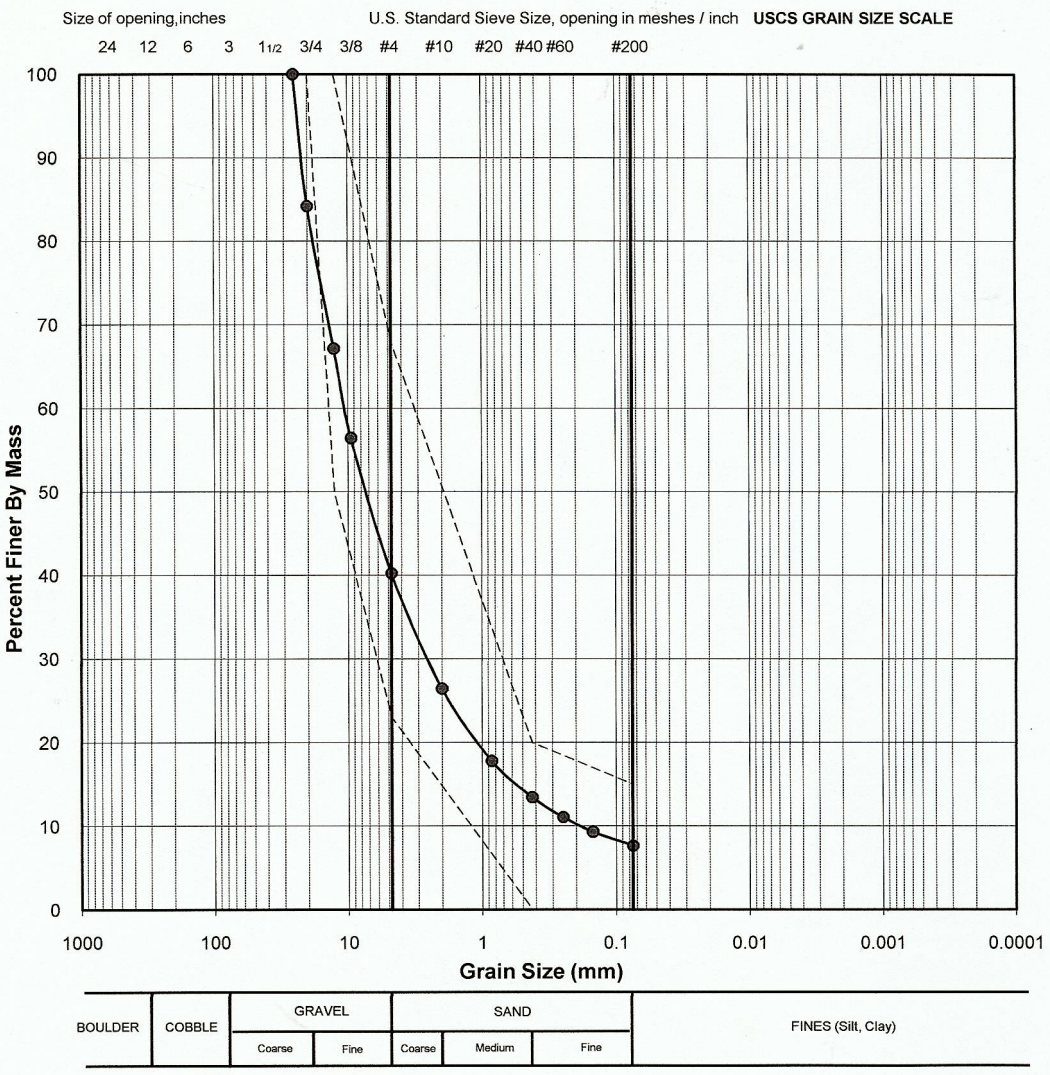
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**203**
Client:	AEM	**Field Label:**	BG072810-4
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 203
Remarks:	Water Content = 1.2%	**Date Sampled:**	July 28, 2010
Location:	PAG Stockpile 3	**Material Specification:**	0-20 mm crushed stone
		Method:	COMBINED, WASHED
		Date Tested:	August 7, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	100.0
3/4"	20.0	84.2
1/2"	12.7	67.2
3/8"	9.5	56.5
#4	4.760	40.3
#10	2.000	26.5
#20	0.850	17.8
#40	0.425	13.5
#60	0.250	11.1
#100	0.150	9.3
#200	0.075	7.7



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO	August 7, 2010	YB	Sept. 21, 2010
TESTED BY	DATE	CHECKED BY	DATE

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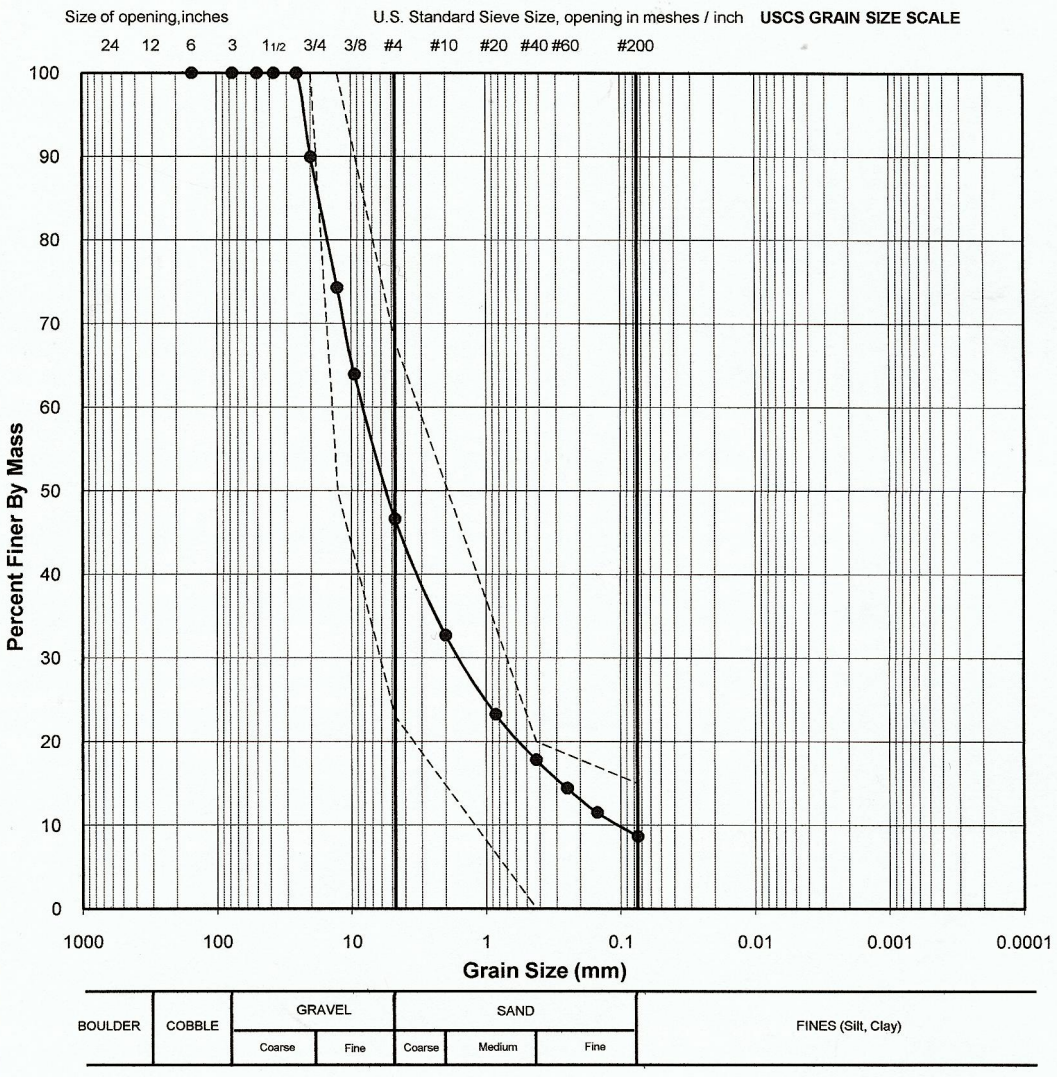
Golder Associates

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**296**
Client:	AEM	**Field Label:**	SD1082710-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 296
Remarks:	Water Content = 1.0%	**Date Sampled:**	August 27, 2010
Sa. Location:	SD1 STA.0+015	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	August 29, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	100.0
3/4"	20.0	90.0
1/2"	12.7	74.3
3/8"	9.5	63.9
#4	4.760	46.6
#10	2.000	32.7
#20	0.850	23.3
#40	0.425	17.8
#60	0.250	14.4
#100	0.150	11.5
#200	0.075	8.7



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO	August 29, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

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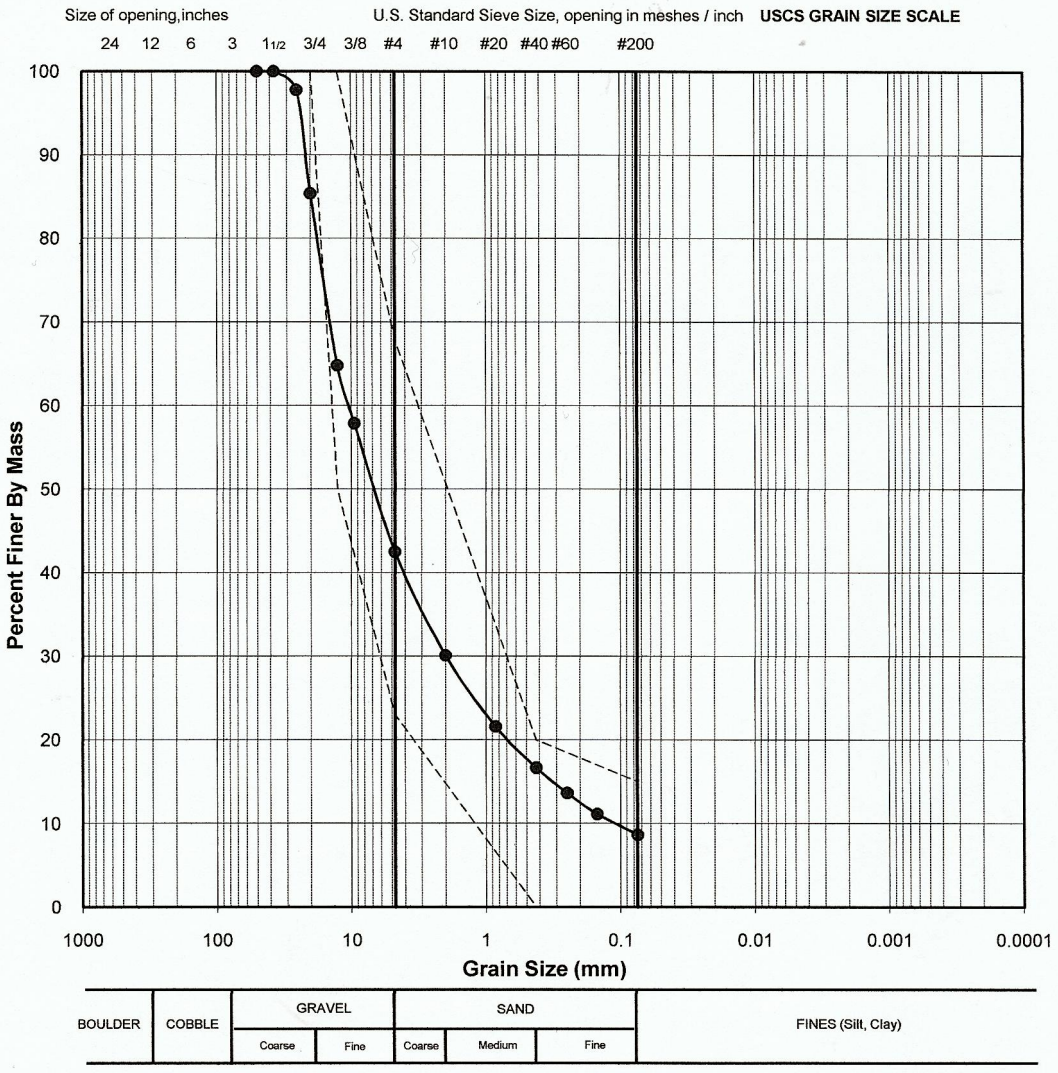
Golder Associates

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**297**
Client:	AEM	**Field Label:**	SD1082710-2
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 297
Remarks:	Water Content = 0.9%	**Date Sampled:**	August 27, 2010
Sa. Location:	SD1 STA.31+055	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	August 29, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	97.8
3/4"	20.0	85.4
1/2"	12.7	64.8
3/8"	9.5	57.9
#4	4.760	42.5
#10	2.000	30.1
#20	0.850	21.6
#40	0.425	16.7
#60	0.250	13.6
#100	0.150	11.1
#200	0.075	8.7



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO	August 29, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

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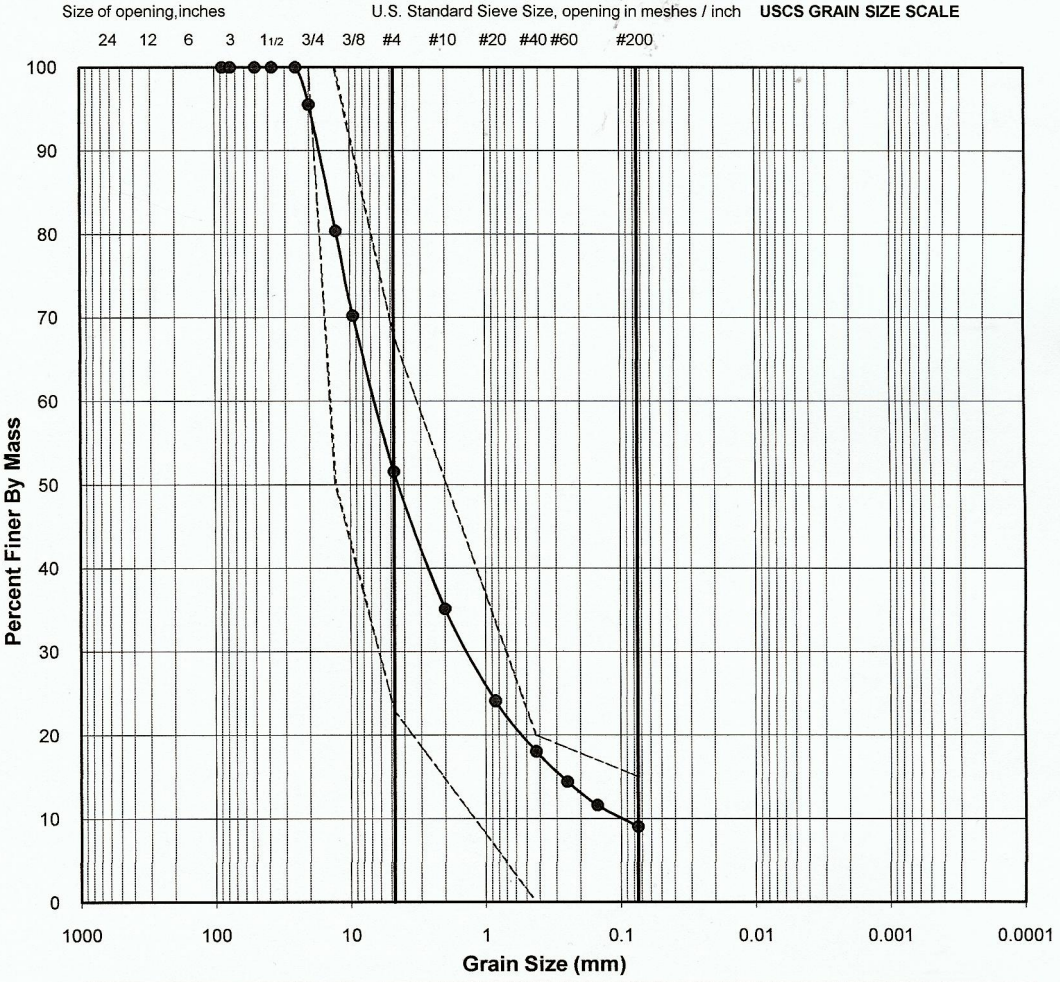
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**338**
Client:	AEM	**Field Label:**	SD1091710-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 338
Remarks:	Water content= 1.4%	**Date Sampled:**	September 17, 2010
Sa. Location:	SD1 STA. 0+095	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	September 18, 2010

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	20.0	95.6
1/2"	12.7	80.4
3/8"	9.500	70.2
#4	4.760	51.6
#10	2.000	35.1
#20	0.850	24.1
#40	0.425	18.0
#60	0.250	14.4
#100	0.150	11.6
#200	0.075	9.0



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

B.Dieudonne	September 18, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

M:\Meadowbank 2010 QAQC DataBase\Laboratory\LabTesting-Rev by QA Manager\SA 338

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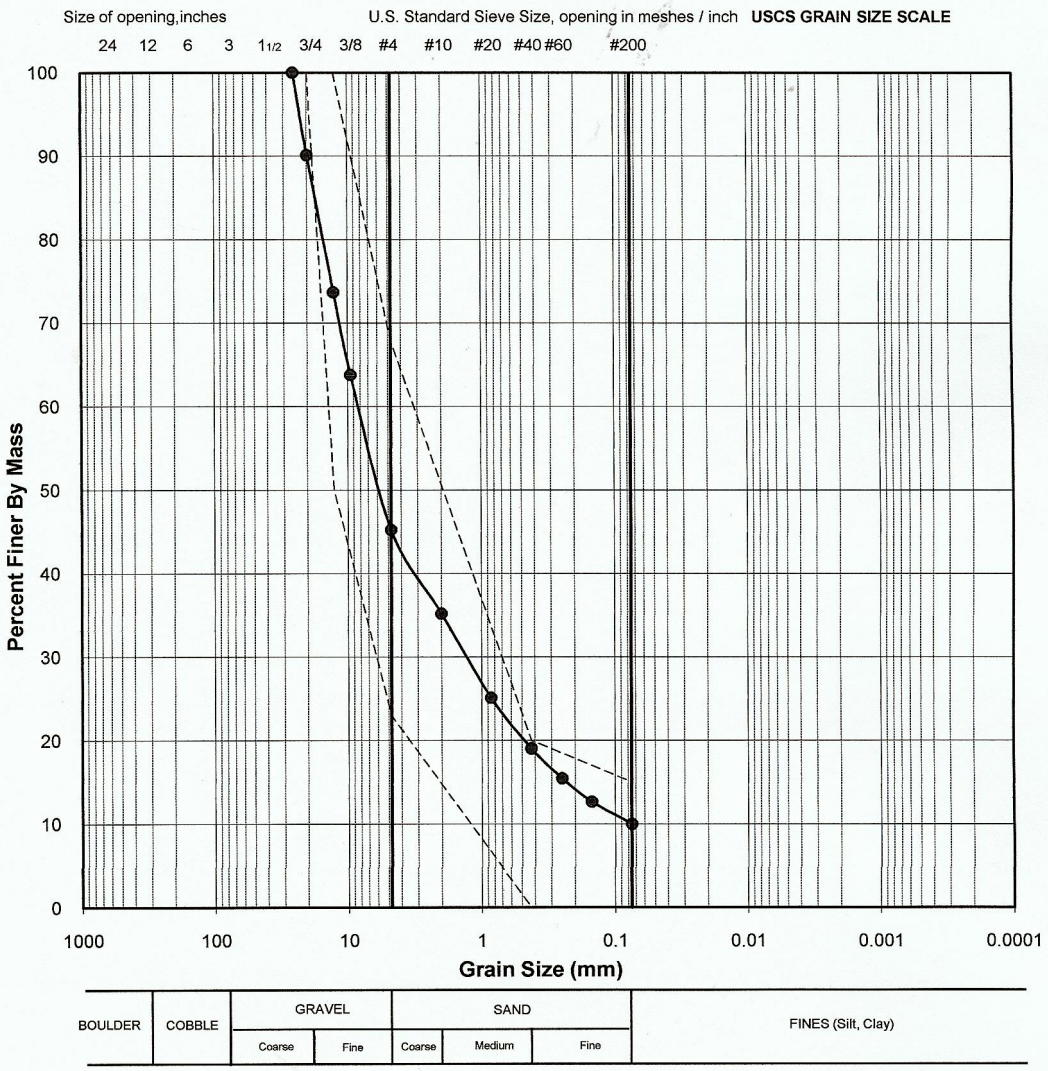
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**346**
Client:	AEM	**Field Label:**	SD092010
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 346
Remarks:	Water content 1.2%	**Date Sampled:**	September 20, 2010
Sa. Location:	SD2-STA. 20+550	**Material Specification:**	FINE FILTER
		Method:	SPLIT, WASHED
		Date Tested:	September 24, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87.5	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	100.0
3/4"	20.0	90.1
1/2"	12.7	73.7
3/8"	9.500	63.8
#4	4.760	45.3
#10	2.000	35.2
#20	0.850	25.1
#40	0.425	19.0
#60	0.250	15.4
#100	0.150	12.7
#200	0.075	10.0



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

M.O	September 24, 2010	YB	Sept. 28, 2010
TESTED BY	DATE	CHECKED BY	DATE

M:\Meadowbank 2010 QAQC DataBase\Laboratory\LabTesting-Rev by QA Manager\SA 346

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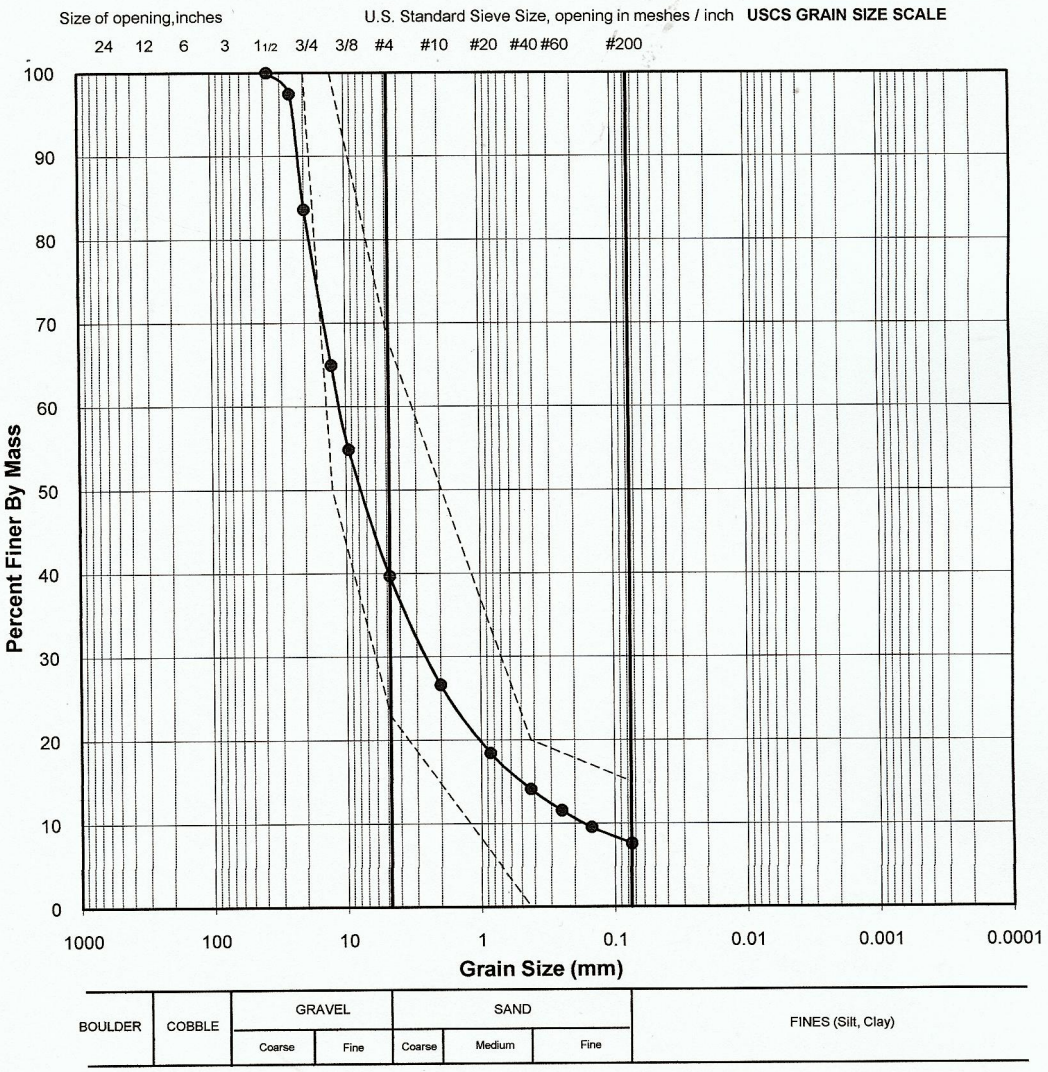
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**347**
Client:	AEM	**Field Label:**	SD092210
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 347
Remarks:	Water content 1.1%	**Date Sampled:**	September 22, 2010
Sa. Location:	SD2-STA.20+230	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	September 24, 2010

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	97.5
3/4"	20.0	83.6
1/2"	12.7	65.0
3/8"	9.500	54.9
#4	4.760	39.7
#10	2.000	26.6
#20	0.850	18.5
#40	0.425	14.1
#60	0.250	11.6
#100	0.150	9.5
#200	0.075	7.6



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

M.O	September 24, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

M:\Meadowbank 2010 QAQC DataBase\Laboratory\LabTesting-Rev by QA Manager\SA 347

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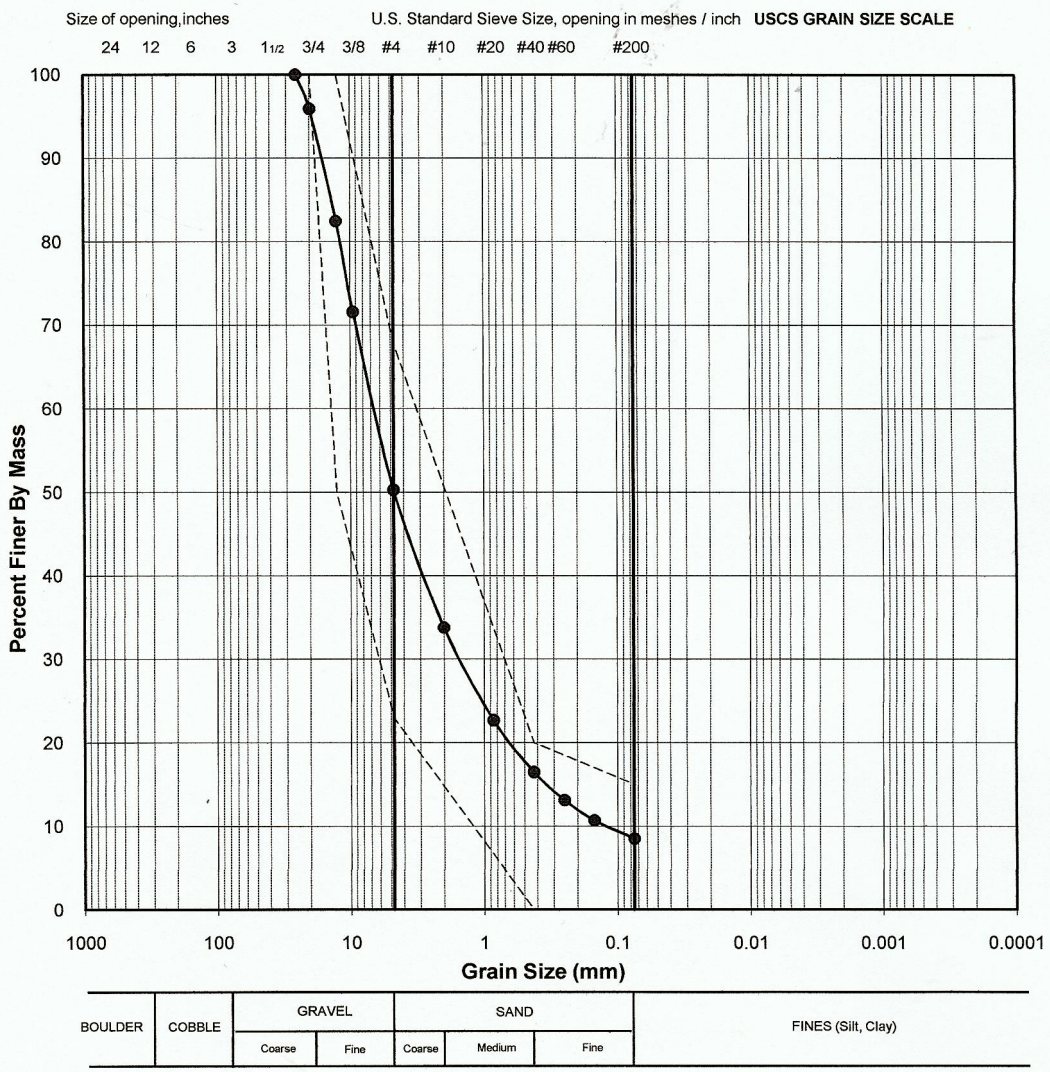
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**351**
Client:	AEM	**Field Label:**	SD092010
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 351
Remarks:	Water content 0.9%	**Date Sampled:**	September 20, 2010
Sa. Location:	SD1-STA. 0+190	**Material Specification:**	FINE FILTER
		Method:	SPLIT, WASHED
		Date Tested:	September 24, 2010

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	76.2	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.4	100.0
3/4"	20.0	95.9
1/2"	12.7	82.5
3/8"	9.500	71.6
#4	4.760	50.3
#10	2.000	33.8
#20	0.850	22.7
#40	0.425	16.5
#60	0.250	13.1
#100	0.150	10.7
#200	0.075	8.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

M.O	September 24, 2010	YB	Sept. 28, 2010
TESTED BY	DATE	CHECKED BY	DATE

M:\Meadowbank 2010 QAQC DataBase\Laboratory\LabTesting-Rev by QA Manager\SA 351

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4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**301**
Client:	AEM	**Field Label:**	SD1082910-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 301

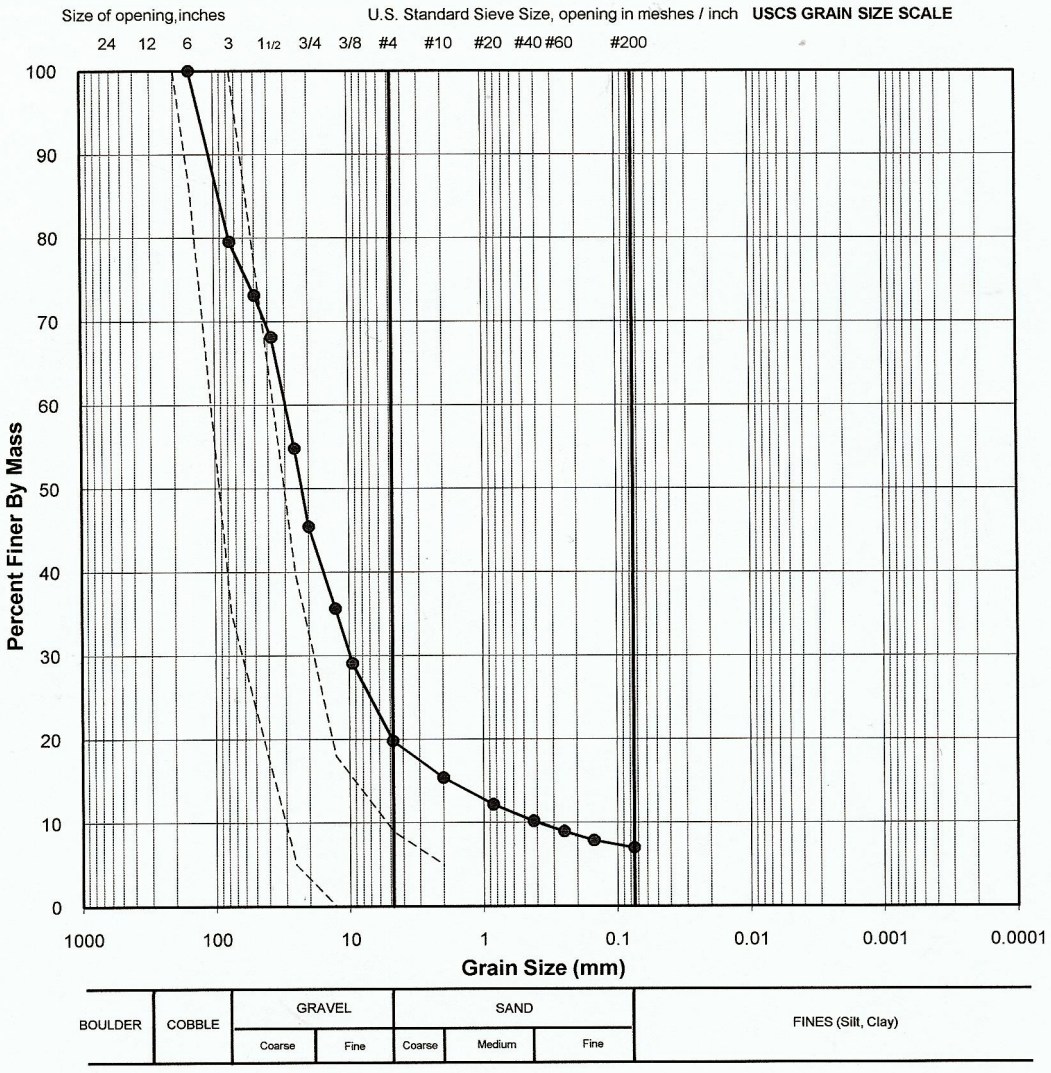
Remarks:

Sa. Location: SD1 STA.0+060

Remarks: Particules over 76mm were all weigthed and included into the 76 mm sieve. Particules over 152mm might exist.

Date Sampled:	August 28, 2010
Material Specification:	COARSE FILTER
Method:	COMBINED, WASHED
Date Tested:	September 1, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	79.6
2"	50.0	73.1
1.5"	37.5	68.1
1"	25.4	54.8
3/4"	20.0	45.5
1/2"	12.7	35.7
3/8"	9.500	29.1
#4	4.760	19.8
#10	2.000	15.4
#20	0.850	12.2
#40	0.425	10.2
#60	0.250	8.9
#100	0.150	7.9
#200	0.075	7.0



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

M.O	September 1, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

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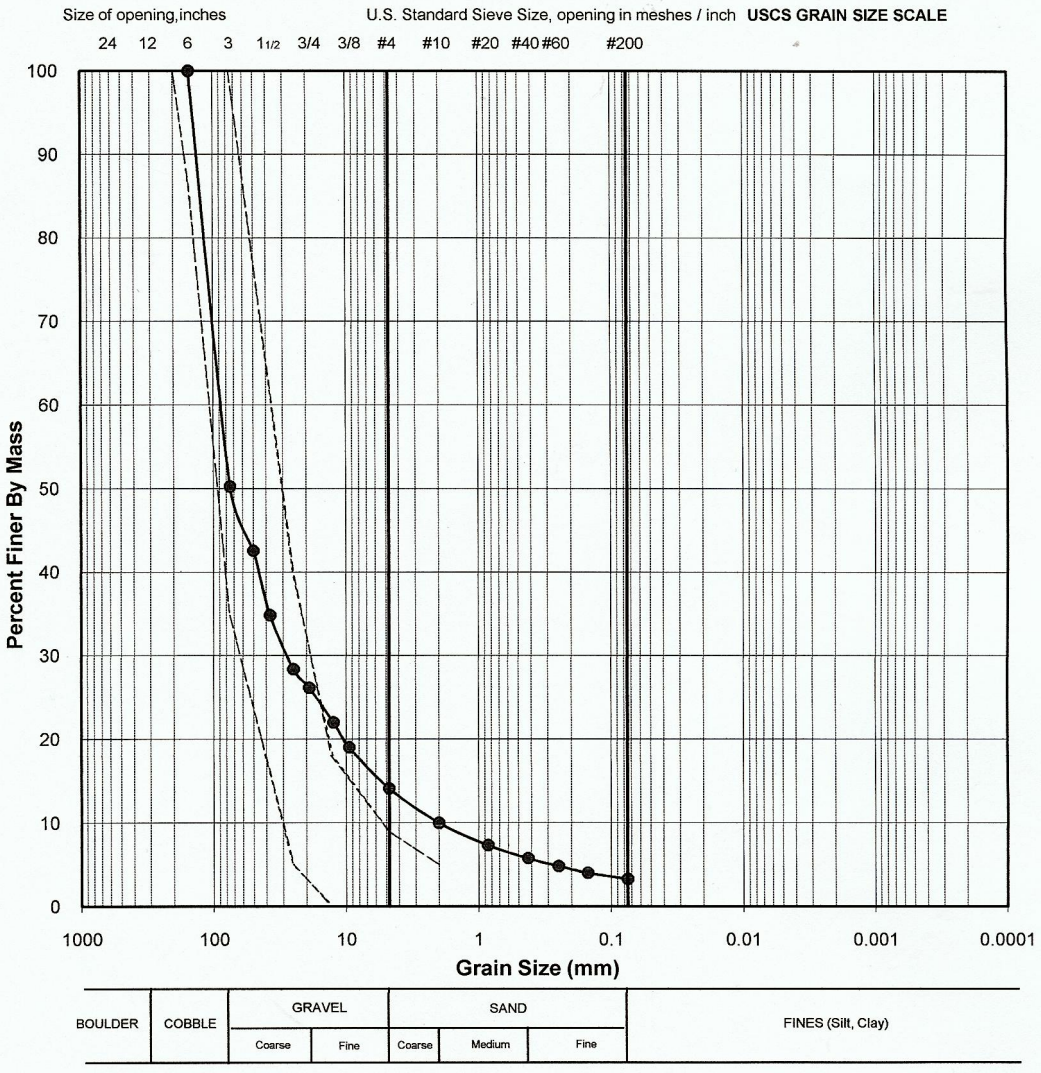
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**337**
Client:	AEM	**Field Label:**	SD1091610-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 337
Remarks:	Water content: 3.3%	**Date Sampled:**	September 16, 2010
Sa. Location:	SD1 STN 0+370	**Material Specification:**	COARSE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	September 18, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	50.3
2"	50.0	42.6
1.5"	37.5	34.8
1"	25.0	28.4
3/4"	19.0	26.1
1/2"	12.5	22.0
3/8"	9.5	19.0
#4	4.75	14.1
#10	2.00	10.0
#20	0.850	7.3
#40	0.425	5.8
#60	0.250	4.8
#100	0.150	4.0
#200	0.075	3.3



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

B.Dieudonne	September 18, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

M:\Meadowbank 2010 QAQC DataBase\Laboratory\LabTesting-Rev by QA Manager\SA 337

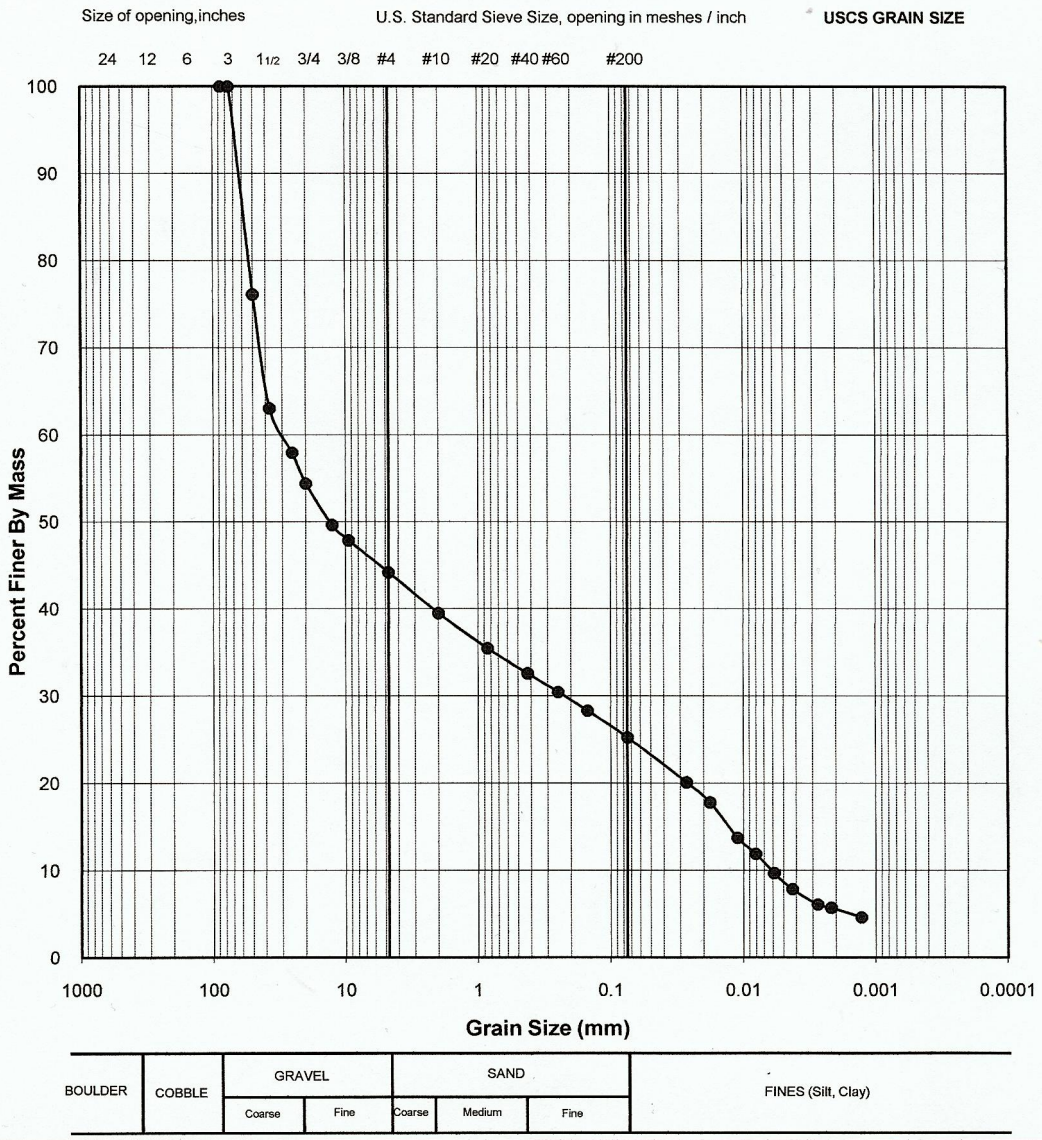
Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

Reference: ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field ID**	**Till stockpile portage pit**
Client:	AEM	**Sample No.:**	319
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 319
Specific Gravity (assumed):	2.70	**Other**	Till from stockpile, water content = 8.5%
Date sampled:	September 11, 2010	**Remarks:**	
Dispersion Method:	Stirring		
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	76.20	100.0
2"	50.00	76.1
1.5"	37.50	63.1
1"	25.40	58.0
3/4"	20.00	54.4
1/2"	12.70	49.6
3/8"	9.50	47.9
#4	4.76	44.2
#10	2.00	39.5
#20	0.850	35.5
#40	0.425	32.6
#60	0.250	30.4
#100	0.150	28.3
#200	0.075	25.2
-	0.0269	20.1
-	0.0179	17.8
-	0.0111	13.7
-	0.0081	11.9
-	0.0059	9.7
-	0.0043	7.8
-	0.0028	6.1
-	0.0022	5.7
-	0.0013	4.6



B.Dieudonne	September 16, 2010	YB	Sept 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

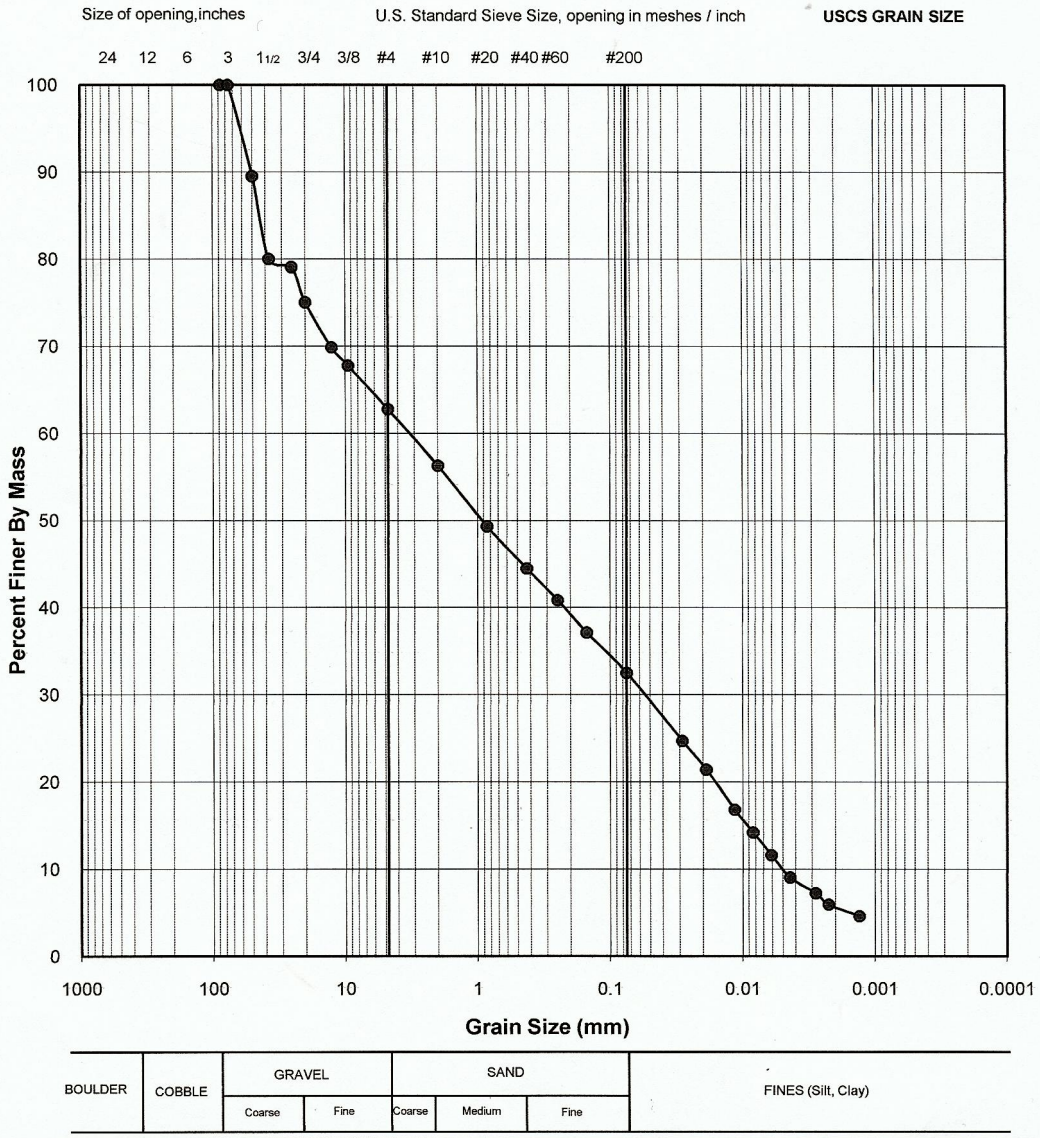
Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

Reference: ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field ID**	**SD2091310-1**
Client:	AEM	**Sample No.:**	322
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 322
Specific Gravity (assumed):	2.70	**Other**	Till from bottom of tie-in plug (was excavated), wc=8.4%
Date sampled:	September 13, 2010	**Remarks:**	SD2 STA. 20+450, at bedrock elevation
Dispersion Method:	Stirring		
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	76.20	100.0
2"	50.00	89.5
1.5"	37.50	80.0
1"	25.40	79.1
3/4"	20.00	75.0
1/2"	12.70	69.9
3/8"	9.50	67.8
#4	4.76	62.8
#10	2.00	56.3
#20	0.850	49.3
#40	0.425	44.5
#60	0.250	40.8
#100	0.150	37.1
#200	0.075	32.5
-	0.0285	24.7
-	0.0188	21.4
-	0.0115	16.8
-	0.0084	14.2
-	0.0061	11.6
-	0.0044	9.0
-	0.0028	7.2
-	0.0022	5.9
-	0.0013	4.6



B.Dieudonne	September 17, 2010	YB	Sept. 27, 2010 KB
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

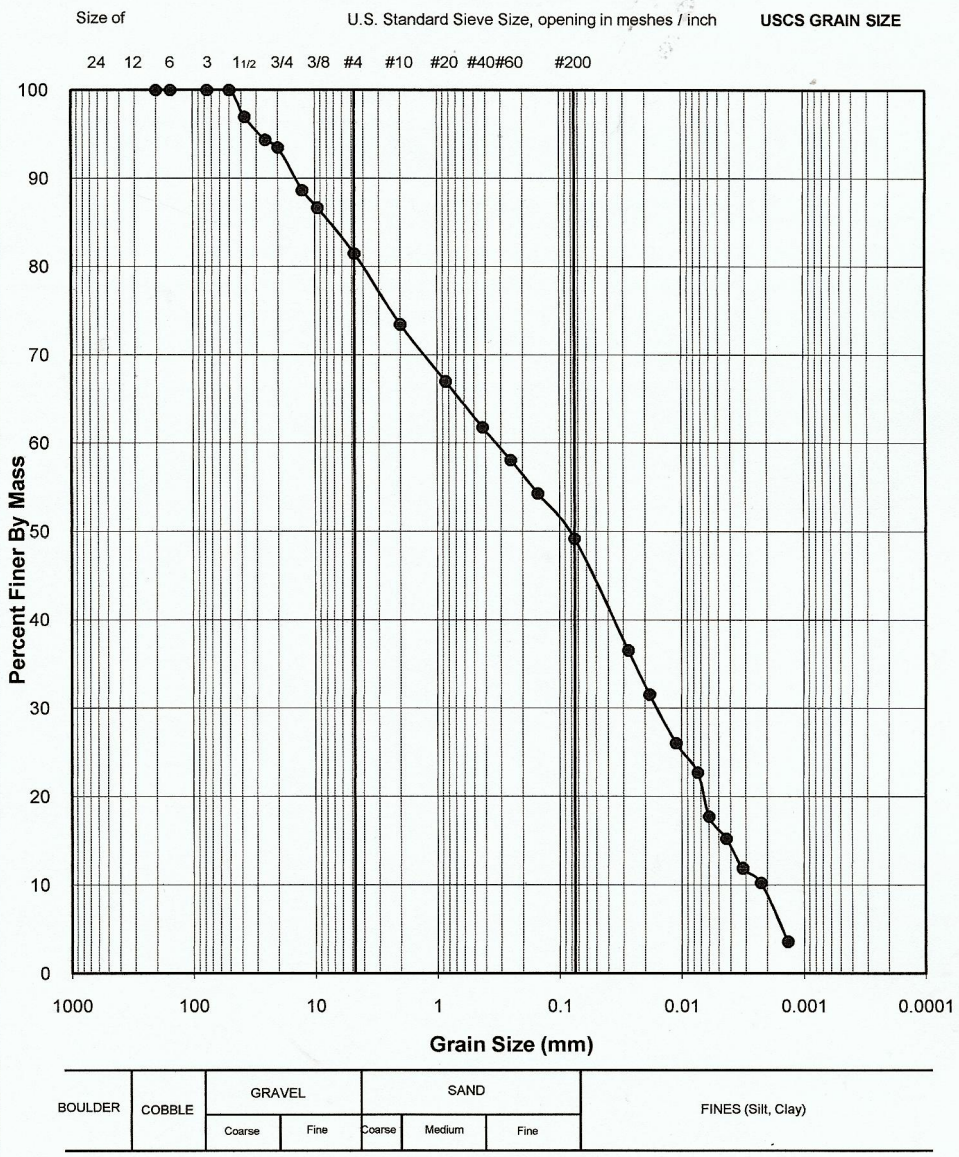
Reference: ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-1**
Client:	AEM	**Sample No.:**	331
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 331

Specific Gravity (assumed): 2.70
Date sampled: September 15, 2010
Other Remarks: Till from tie-in liner plug, in situ,compacted, SD2 Sta 20+150 N:7215518, E: 637214; wc: 8.4%

Dispersion Method: Stirring
Dispersion Period (min): 5.00
Remarks: Particles over 50mm were removed from sample.

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	100.0
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	100.0
1.5"	37.50	97.0
1"	25.40	94.3
3/4"	20.00	93.5
1/2"	12.70	88.6
3/8"	9.50	86.7
#4	4.76	81.5
#10	2.00	73.4
#20	0.850	67.0
#40	0.425	61.8
#60	0.250	58.1
#100	0.150	54.3
#200	0.075	49.2
-	0.0273	36.5
-	0.0183	31.5
-	0.0111	26.0
-	0.0074	22.7
-	0.0060	17.7
-	0.0043	15.2
-	0.0032	11.9
-	0.0022	10.2
-	0.0014	3.6



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO and DB	September 24, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

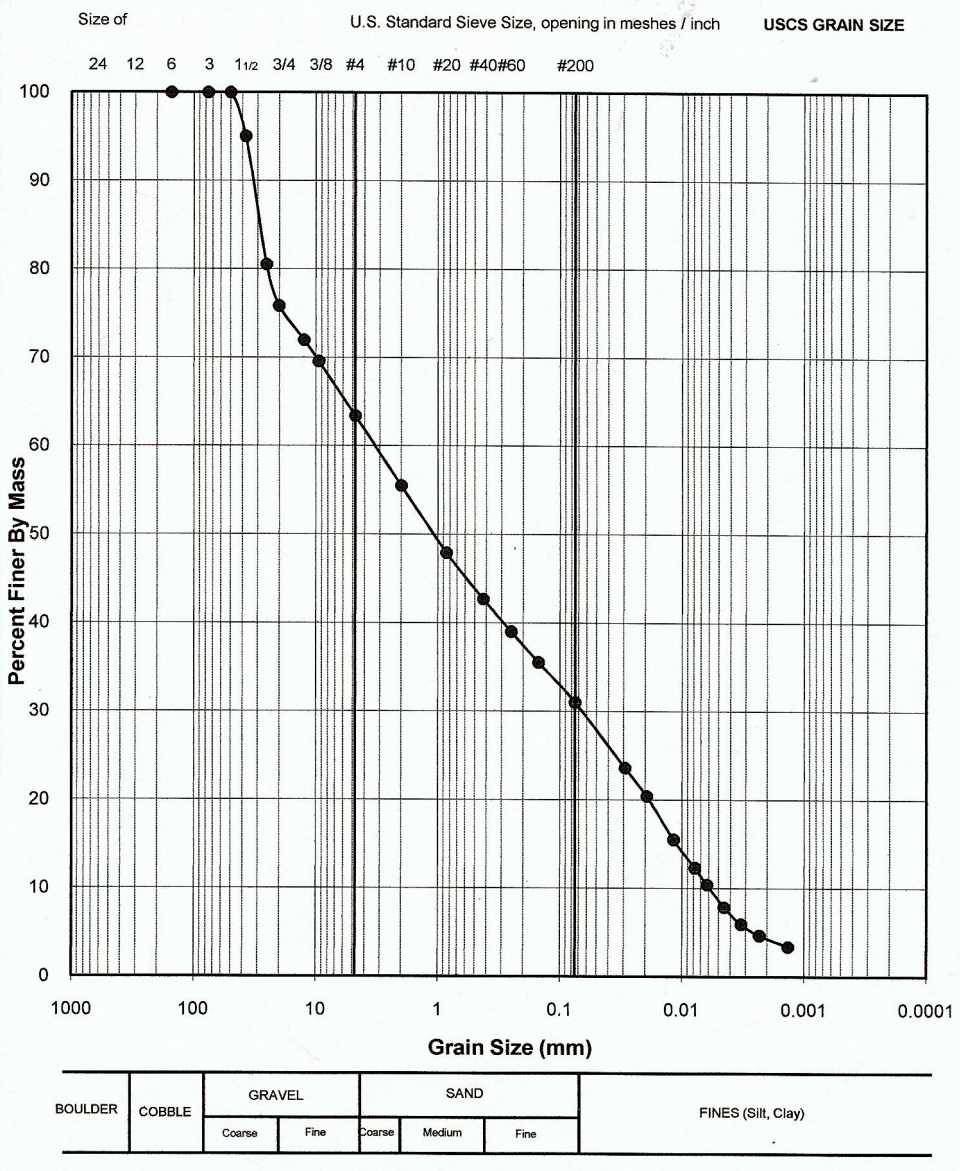
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-2**
Client:	AEM	**Sample No.:**	332
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 332

Specific Gravity (assumed):	2.70	**Other**	Till from liner tie-in plug, In situ, compacted
Date sampled:	September 15, 2010	**Remarks:**	SD2 Sta20+130 N:7215532; E: 637192, wc: 7.8%
Dispersion Method:	Stirring	**Remarks:**	Particles over 50mm were not included into the analysis.
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	100.0
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	100.0
1.5"	37.50	95.0
1"	25.40	80.6
3/4"	20.00	75.9
1/2"	12.50	72.0
3/8"	9.50	69.6
#4	4.76	63.4
#10	2.00	55.5
#20	0.850	47.9
#40	0.425	42.7
#60	0.250	39.0
#100	0.150	35.5
#200	0.075	31.0
-	0.0292	23.6
-	0.0193	20.4
-	0.0117	15.5
-	0.0078	12.3
-	0.0062	10.4
-	0.0045	7.9
-	0.0033	6.0
-	0.0023	4.7
-	0.0014	3.4



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MO and DB	September 24, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

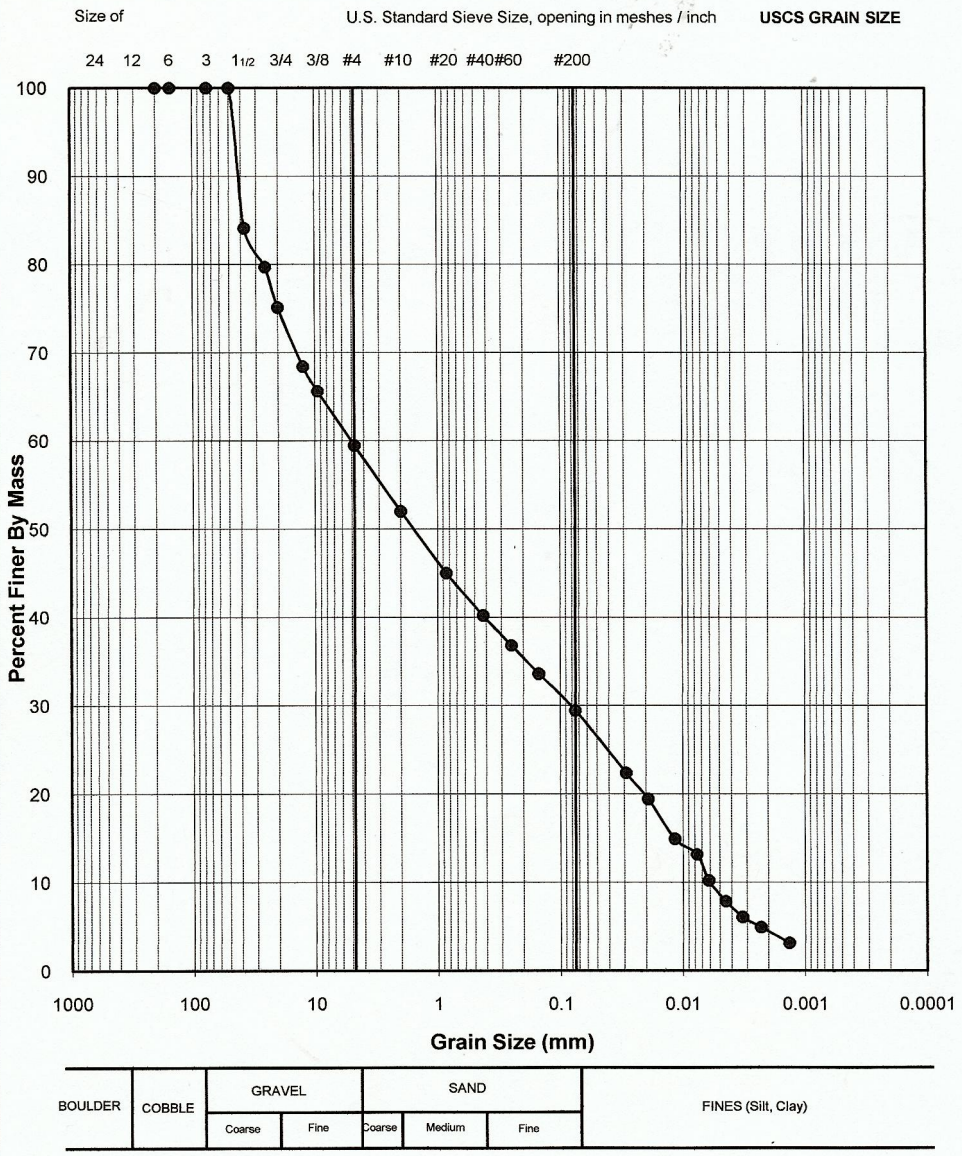
PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-3**
Client:	AEM	**Sample No.:**	333
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 333

Specific Gravity (assumed):	2.70	**Other**	Till from liner tie-in plug, In situ, compacted
Date sampled:	September 15, 2010	**Remarks:**	SD2 Sta 20+100 N:7215532; E: 637192; wc: 8.4%
Dispersion Method:	Stirring	**Remarks:**	Particules over 50mm were not included into the analysis.
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	**100.0**
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	100.0
1.5"	37.50	84.1
1"	25.40	79.7
3/4"	20.00	75.1
1/2"	12.50	68.4
3/8"	9.50	65.6
#4	4.76	59.5
#10	2.00	52.0
#20	0.850	45.0
#40	0.425	40.2
#60	0.250	36.8
#100	0.150	33.6
#200	0.075	29.4
-	0.0290	22.4
-	0.0192	19.4
-	0.0116	14.9
-	0.0077	13.1
-	0.0062	10.2
-	0.0045	7.8
-	0.0033	6.1
-	0.0023	4.9
-	0.0014	3.1



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YB

MO and DB	September 25, 2010	YB	Sept. 28, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

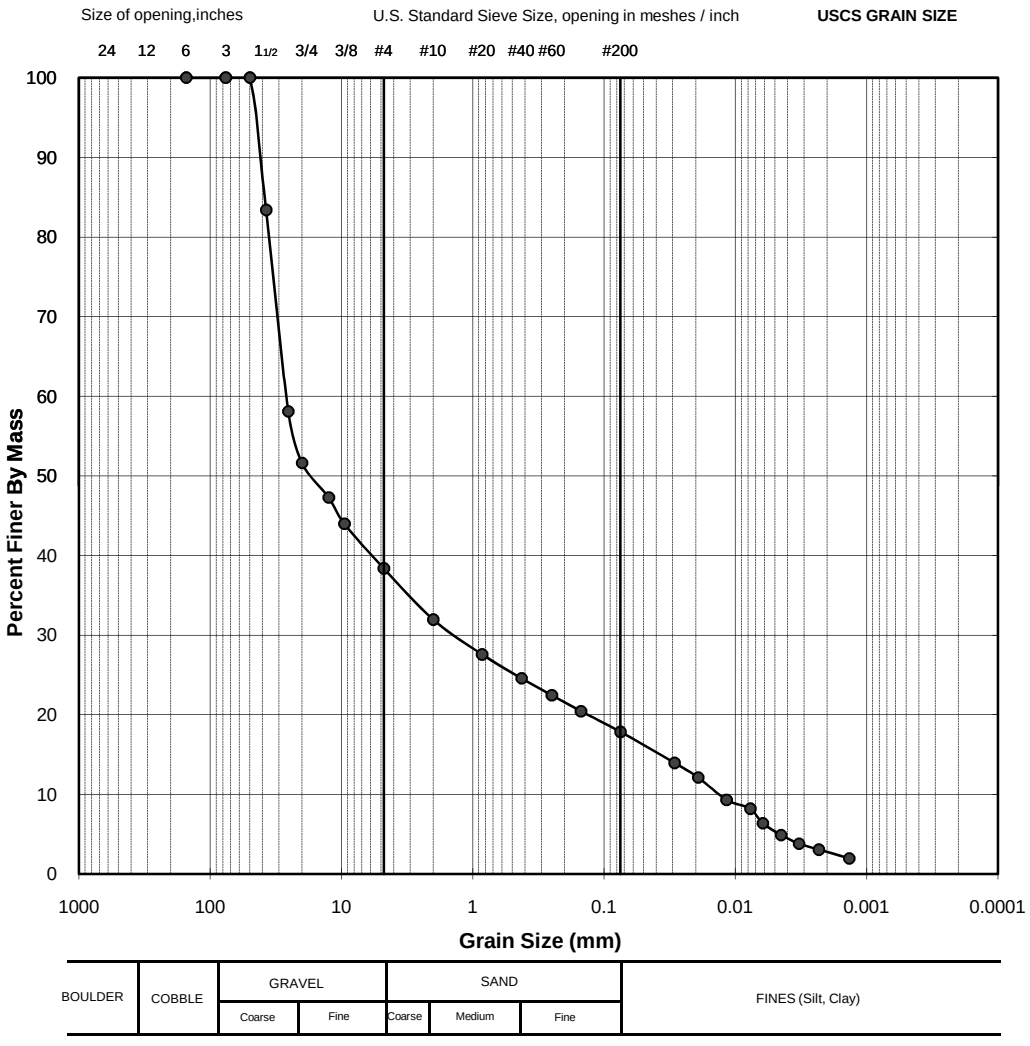
Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-4**
Client:	AEM	**Sample No.:**	334
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 334

Specific Gravity (assumed): 2.70
Date sampled: September 15, 2010
Other Remarks: Till from Till plug,in situ compacted, SD2 Sta20+100 N:7215558; E: 637123;Water content: 8.4%

Dispersion Method: Stirring
Dispersion Period (min): 5.00
Remarks: Particules over 50mm were not included into the analysis.

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	100.0
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	100.0
1.5"	37.50	83.4
1"	25.40	58.1
3/4"	20.00	51.6
1/2"	12.50	47.3
3/8"	9.50	44.0
#4	4.76	38.4
#10	2.00	32.0
#20	0.850	27.6
#40	0.425	24.6
#60	0.250	22.5
#100	0.150	20.4
#200	0.075	17.9
-	0.0290	13.9
-	0.0192	12.1
-	0.0116	9.3
-	0.0077	8.2
-	0.0062	6.4
-	0.0045	4.9
-	0.0033	3.8
-	0.0023	3.1
-	0.0014	2.0



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MO and DB	September 25, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

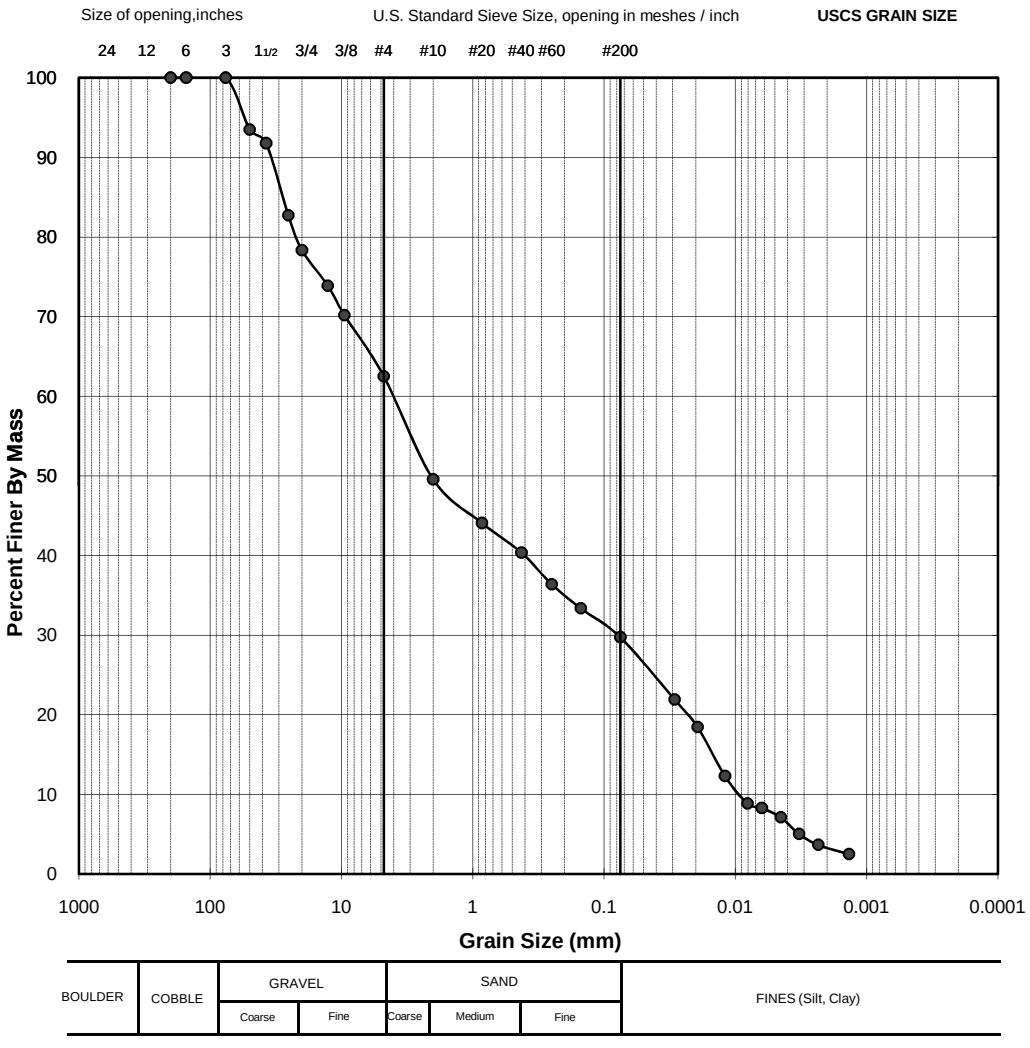
Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-5**
Client:	AEM	**Sample No.:**	335
Project:	Meadowbank Gold Project	**Depth (m):**	N A
Location:	Nunavut	**Lab ID No:**	SA 335

Specific Gravity (assumed): 2.70
Date sampled: September 15, 2010
Other Remarks: Till from borrow pit to be used for tie-in till plug SD2

Dispersion Method: Stirring
Dispersion Period (min): 5.00
Remarks: Particules over 76mm were removed from the analysis.

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	**100.0**
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	93.5
1.5"	37.50	91.8
1"	25.40	82.7
3/4"	20.00	78.3
1/2"	12.70	73.9
3/8"	9.50	70.2
#4	4.76	62.5
#10	2.00	49.6
#20	0.850	44.1
#40	0.425	40.3
#60	0.250	36.4
#100	0.150	33.4
#200	0.075	29.7
-	0.0290	21.9
-	0.0193	18.5
-	0.0120	12.3
-	0.0081	8.8
-	0.0063	8.3
-	0.0045	7.1
-	0.0033	5.0
-	0.0023	3.7
-	0.0014	2.5



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MO	September 25, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

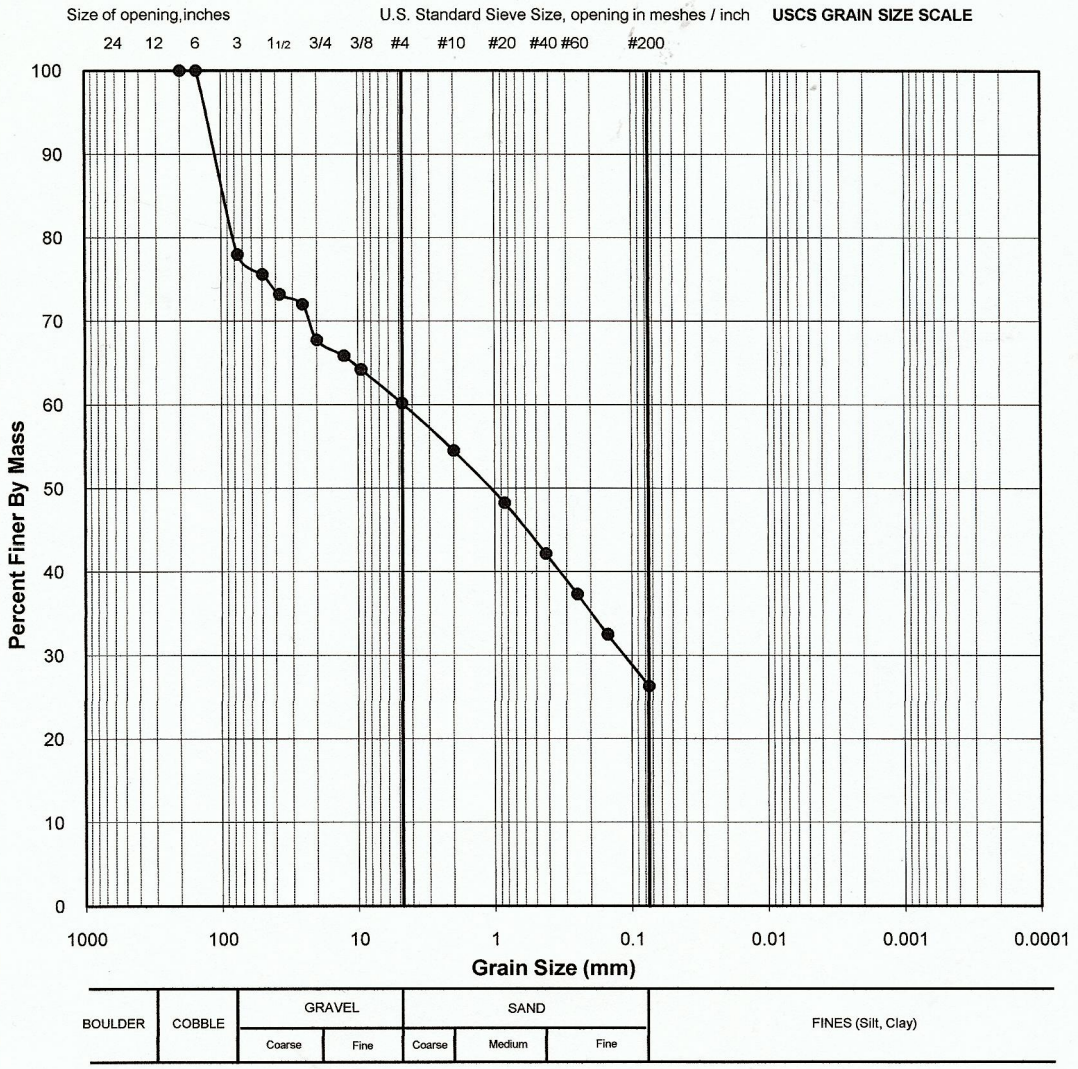
Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**336**
Client:	AEM	**Field Label:**	SWD091610
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 336

Remarks: Water Content = NA
Sa. Location: Borrow pit, used for upstream ditch backfill at SD2
Relarks: Particules over 152mm were not included into the analysis.

Date Sampled: September 16, 2010
Material Specification: NATIVE BORROW PIT - Class B Till
Method: SPLIT, WASHED
Date Tested: September 24, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	76.2	78.0
2"	50.0	75.6
1.5"	37.5	73.2
1"	25.4	72.0
3/4"	20.0	67.8
1/2"	12.7	65.9
3/8"	9.500	64.2
#4	4.760	60.2
#10	2.000	54.5
#20	0.850	48.3
#40	0.425	42.2
#60	0.250	37.3
#100	0.150	32.5
#200	0.075	26.3



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MO	September 24, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

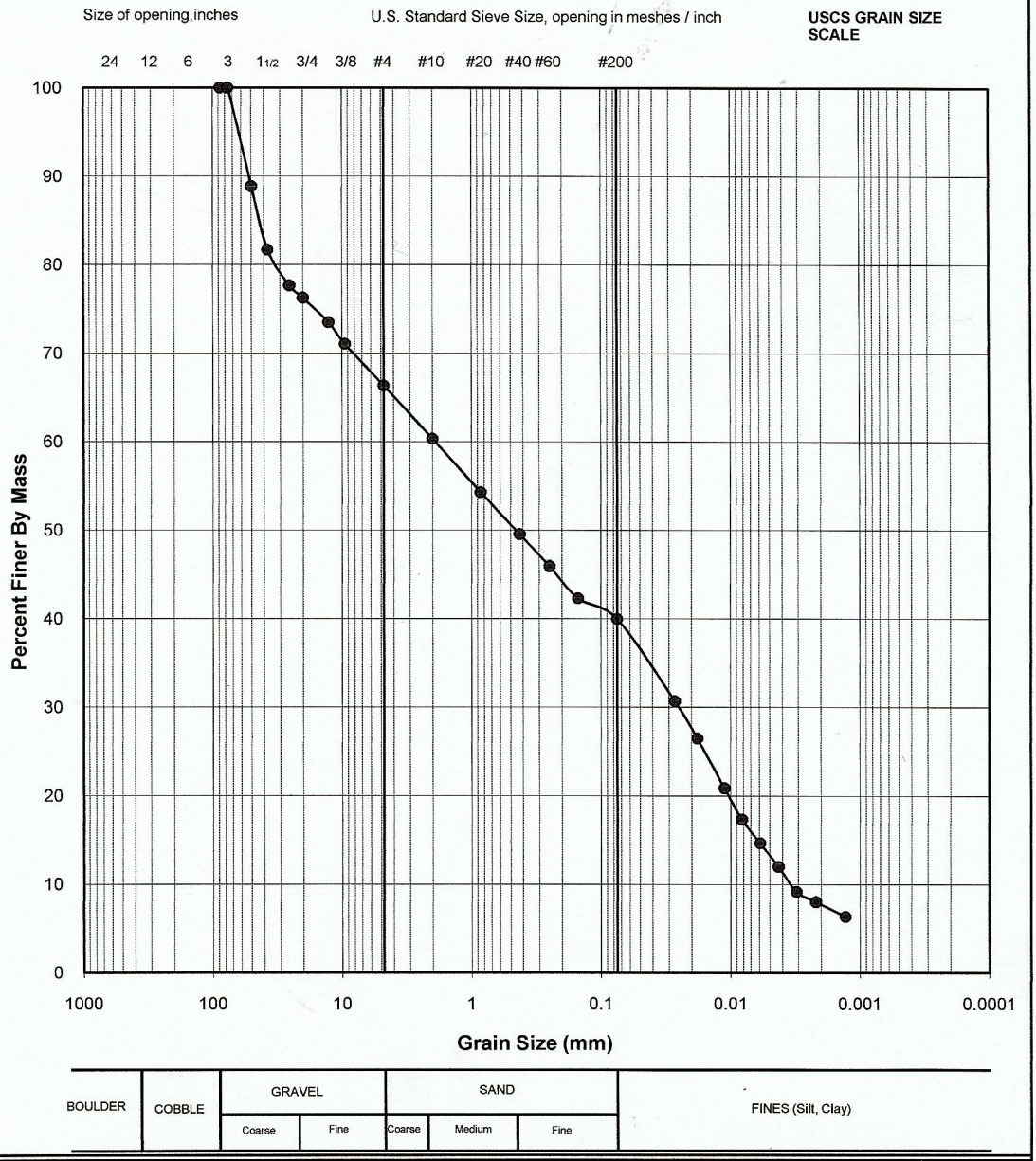
Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Sample No:**	**304**
Client:	AEM	**Field Label:**	SD1090710-1
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 304

Specific Gravity (assumed):	2.70	**Other**	SD1 Sta 0+400, Water content: 9.0%.
Date sampled:	September 7, 2010	**Remarks:**	Till placed underneath liner toe tie-in

Dispersion Method:	Stirring
Dispersion Period (min):	5.00

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	76.20	100.0
2"	50.00	88.9
1.5"	37.50	81.7
1"	25.40	77.7
3/4"	20.00	76.3
1/2"	12.70	73.5
3/8"	9.50	71.0
#4	4.76	66.3
#10	2.00	60.3
#20	0.850	54.3
#40	0.425	49.5
#60	0.250	45.9
#100	0.150	42.3
#200	0.075	40.0
-	0.0269	30.7
-	0.0180	26.5
-	0.0111	20.9
-	0.0082	17.3
-	0.0059	14.7
-	0.0043	12.0
-	0.0031	9.2
-	0.0022	8.0
-	0.0013	6.4



B.Dieudonné	September 13, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

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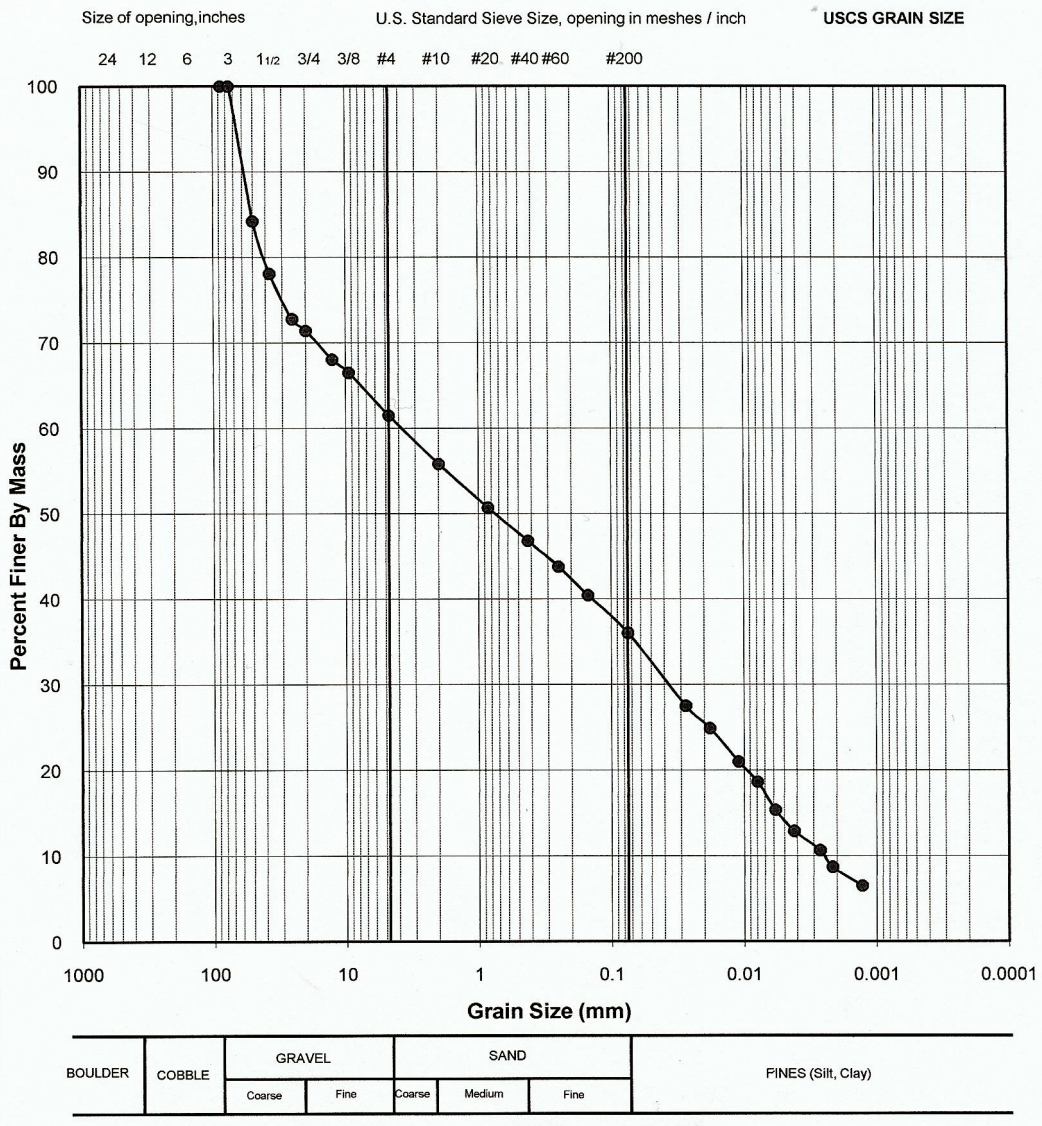
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field ID**	SD1090710-2
Client:	AEM	**Sample No.:**	305
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 305
Specific Gravity (assumed):	2.70	**Other**	Till from borrow source, Water content = 12.8%
Date sampled:	September 7, 2010	**Remarks:**	
Dispersion Method:	Stirring		
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	76.20	100.0
2"	50.00	84.2
1.5"	37.50	78.1
1"	25.40	72.8
3/4"	20.00	71.4
1/2"	12.70	68.0
3/8"	9.50	66.5
#4	4.76	61.5
#10	2.00	55.8
#20	0.850	50.7
#40	0.425	46.8
#60	0.250	43.8
#100	0.150	40.5
#200	0.075	36.1
-	0.0275	27.5
-	0.0181	24.9
-	0.0110	21.0
-	0.0079	18.7
-	0.0058	15.4
-	0.0042	12.9
-	0.0027	10.7
-	0.0022	8.7
-	0.0013	6.5



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B.Dieudonne	September 11, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

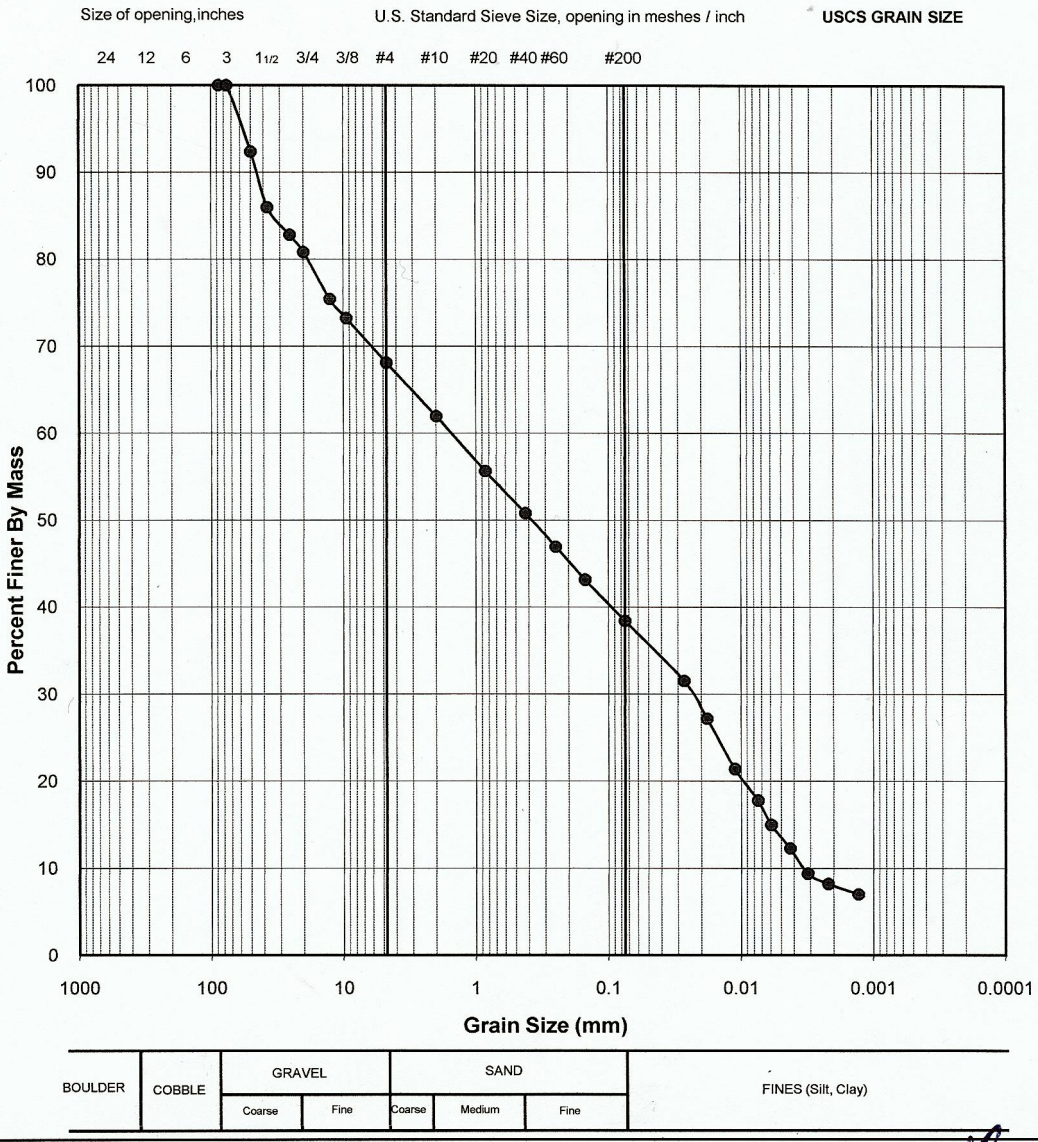
Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field ID**	**SWD090710-1**
Client:	AEM	**Sample No.:**	306
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 306
Specific Gravity (assumed):	2.70	**Other**	Till underneath liner toe tie-in, water content=9.2
Date sampled:	September 7, 2010	**Remarks:**	SWD 11+060
Dispersion Method:	Stirring		
Dispersion Period (min):	5.00		

Sieve Size (USS)	Sieve Size (mm)	% Passing
3.5"	87.50	100.0
3"	76.20	100.0
2"	50.00	92.4
1.5"	37.50	86.0
1"	25.40	82.8
3/4"	20.00	80.8
1/2"	12.70	75.4
3/8"	9.50	73.2
#4	4.76	68.1
#10	2.00	62.0
#20	0.850	55.6
#40	0.425	50.8
#60	0.250	47.0
#100	0.150	43.2
#200	0.075	38.4
-	0.0269	31.5
-	0.0180	27.2
-	0.0111	21.4
-	0.0075	17.8
-	0.0059	15.0
-	0.0043	12.3
-	0.0031	9.4
-	0.0022	8.2
-	0.0013	7.0



B.Dieudonne	September 13, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

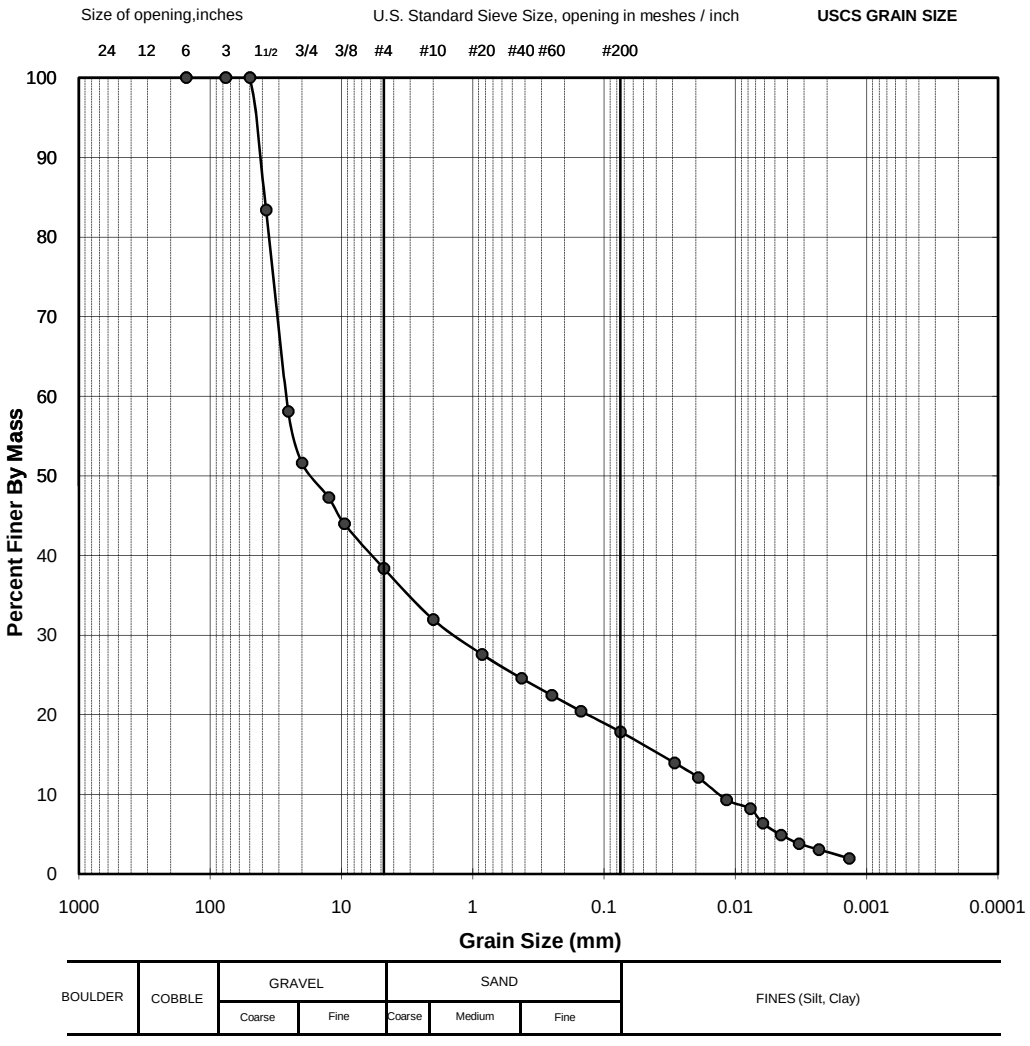
Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-4**
Client:	AEM	**Sample No.:**	334
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	SA 334

Specific Gravity (assumed): 2.70
Date sampled: September 15, 2010
Other Remarks: Till from Till plug,in situ compacted, SD2 Sta20+100 N:7215558; E: 637123;Water content: 8.4%

Dispersion Method: Stirring
Dispersion Period (min): 5.00
Remarks: Particules over 50mm were not included into the analysis.

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	100.0
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	100.0
1.5"	37.50	83.4
1"	25.40	58.1
3/4"	20.00	51.6
1/2"	12.50	47.3
3/8"	9.50	44.0
#4	4.76	38.4
#10	2.00	32.0
#20	0.850	27.6
#40	0.425	24.6
#60	0.250	22.5
#100	0.150	20.4
#200	0.075	17.9
-	0.0290	13.9
-	0.0192	12.1
-	0.0116	9.3
-	0.0077	8.2
-	0.0062	6.4
-	0.0045	4.9
-	0.0033	3.8
-	0.0023	3.1
-	0.0014	2.0



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

MO and DB	September 25, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Kelowna Laboratory
1755 Springfield Road
Kelowna, B.C. Canada V1Y 5V5

PARTICLE SIZE ANALYSIS OF SOILS

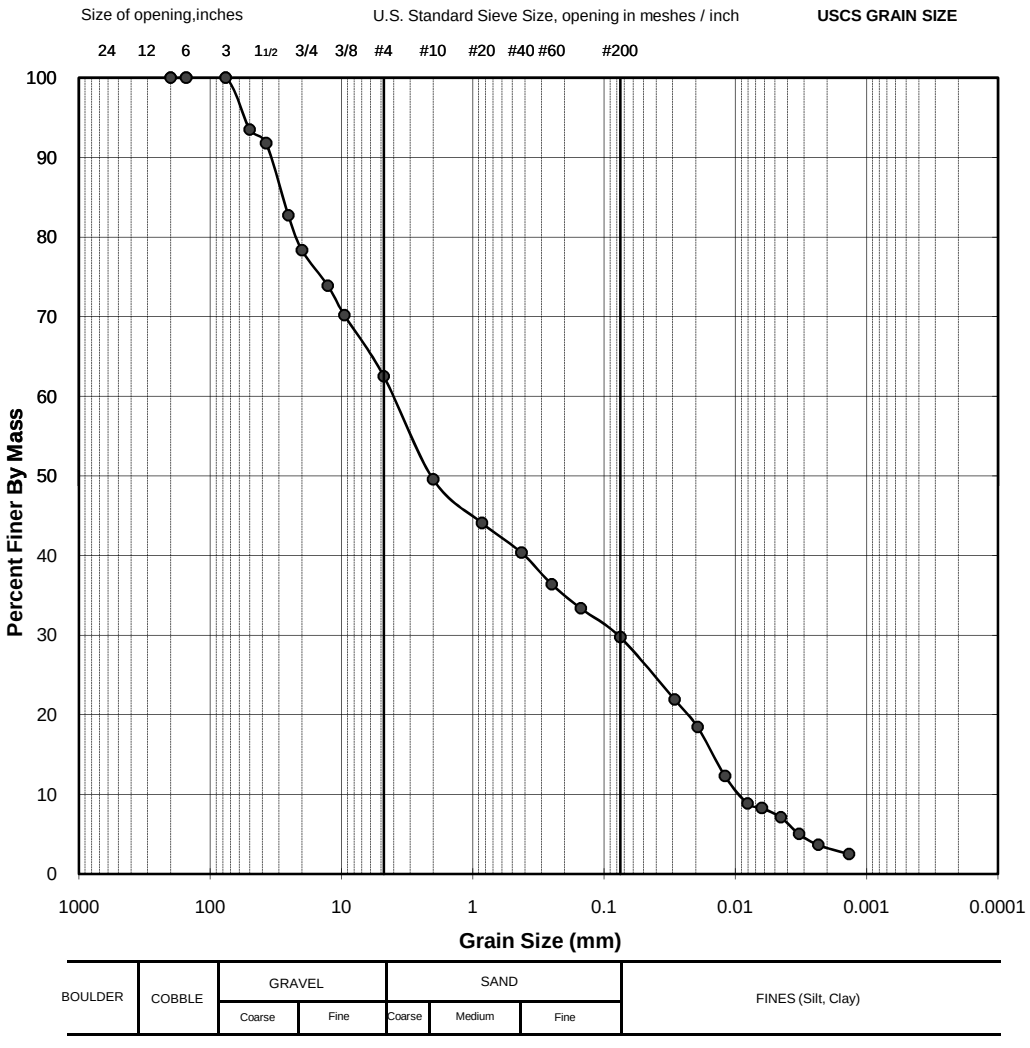
Reference
ASTM D 422-63 (2007)

Project No.:	09-1428-5007 (2000)	**Field label:**	**SD091510-5**
Client:	AEM	**Sample No.:**	335
Project:	Meadowbank Gold Project	**Depth (m):**	N A
Location:	Nunavut	**Lab ID No:**	SA 335

Specific Gravity (assumed): 2.70
Date sampled: September 15, 2010
Other Remarks: Till from borrow pit to be used for tie-in till plug SD2

Dispersion Method: Stirring
Dispersion Period (min): 5.00
Remarks: Particules over 76mm were removed from the analysis.

Sieve Size (USS)	Sieve Size (mm)	% Passing
8"	200.00	**100.0**
6"	152.40	100.0
3"	76.20	100.0
2"	50.00	93.5
1.5"	37.50	91.8
1"	25.40	82.7
3/4"	20.00	78.3
1/2"	12.70	73.9
3/8"	9.50	70.2
#4	4.76	62.5
#10	2.00	49.6
#20	0.850	44.1
#40	0.425	40.3
#60	0.250	36.4
#100	0.150	33.4
#200	0.075	29.7
-	0.0290	21.9
-	0.0193	18.5
-	0.0120	12.3
-	0.0081	8.8
-	0.0063	8.3
-	0.0045	7.1
-	0.0033	5.0
-	0.0023	3.7
-	0.0014	2.5



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MO	September 25, 2010	YB	Sept. 27, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates

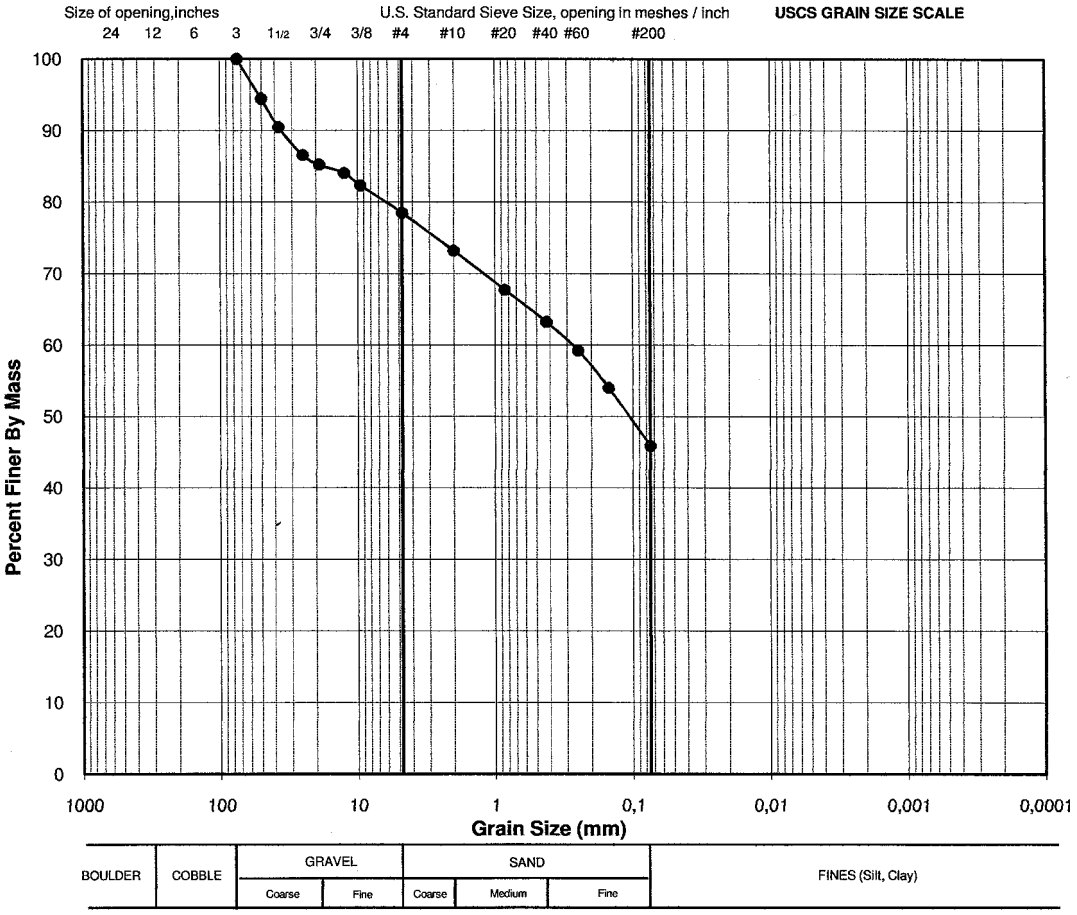
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 370**
Client:	AEM	**Field Label:**	SD2 101410-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	370
Remarks:	Water Content = 13.7%	**Date Sampled:**	October 14, 2010
Sa. Location:	SD2 STA 20+270 Elev. 145.00masl	**Material Specification:**	NATIVE BORROW
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	100,0
2"	50,0	94,4
1.5"	37,5	90,5
1"	25,0	86,6
3/4"	19,0	85,2
1/2"	12,5	84,1
3/8"	9,5	82,3
#4	4,75	78,5
#10	2,00	73,2
#20	0,850	67,7
#40	0,425	63,2
#60	0,250	59,2
#100	0,150	54,0
#200	0,075	45,9



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

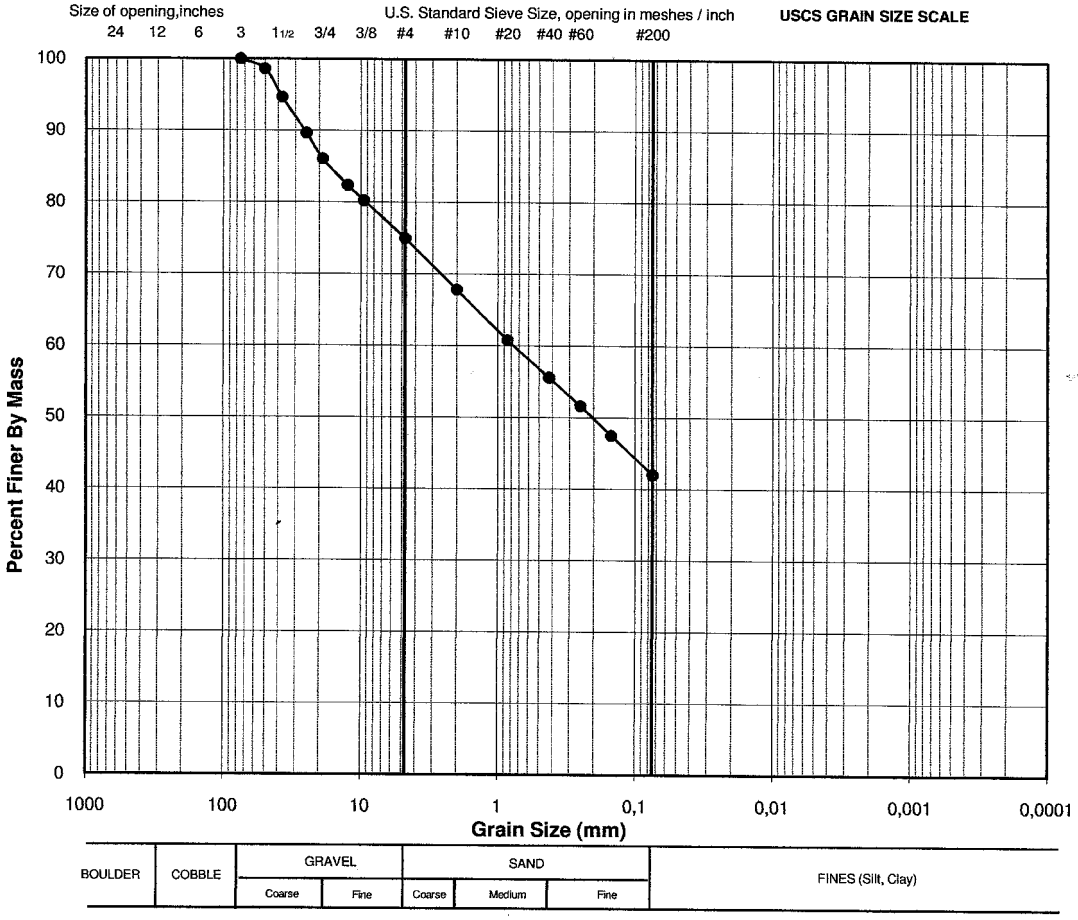
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 371**
Client:	AEM	**Field Label:**	SD2 101610-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	371
Remarks:	Water Content = 10.7%	**Date Sampled:**	October 16, 2010
Sa. Location:	SD2 STA 20+465 at 144.0masl	**Material Specification:**	NATIVE BORROW
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	100,0
2"	50,0	98,6
1.5"	37,5	94,7
1"	25,0	89,7
3/4"	19,0	86,1
1/2"	12,5	82,4
3/8"	9,5	80,2
#4	4,75	74,9
#10	2,00	67,8
#20	0,850	60,8
#40	0,425	55,6
#60	0,250	51,6
#100	0,150	47,5
#200	0,075	42,1



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

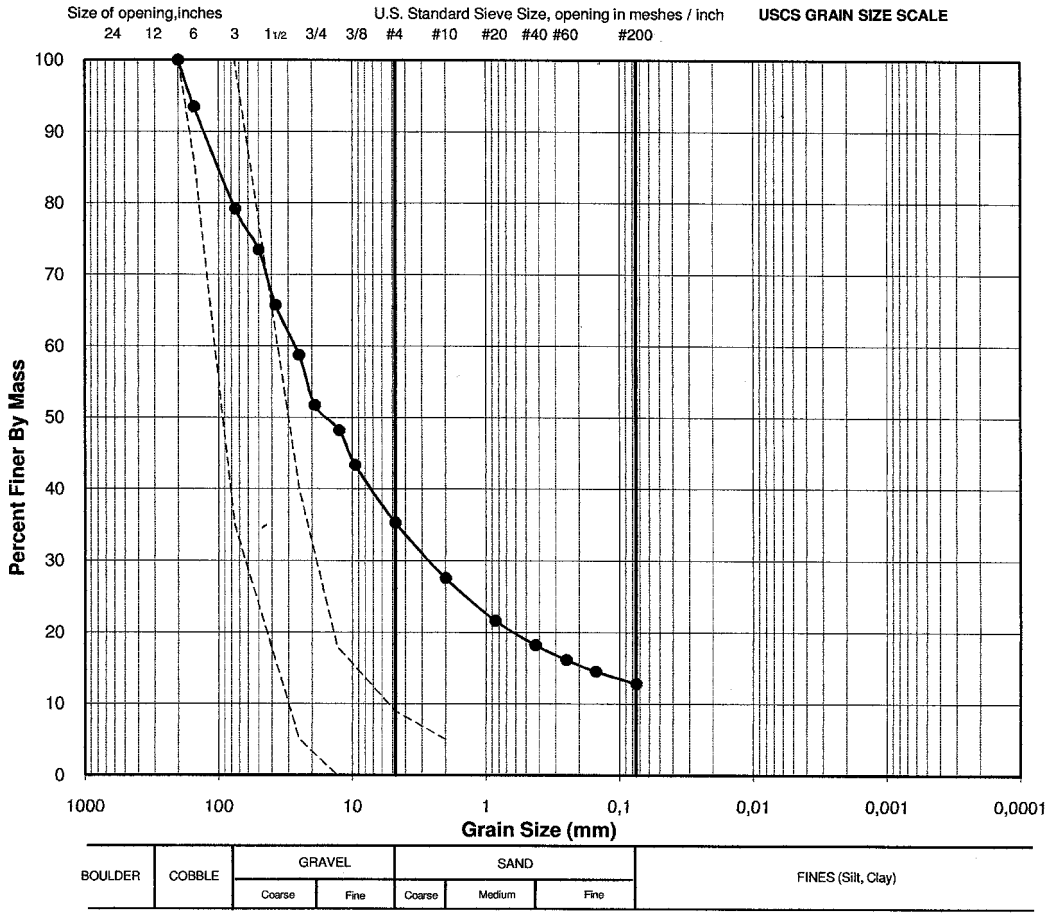
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 372**
Client:	AEM	**Field Label:**	SD2 101910-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	372
Remarks:	Water Content = 3.4%	**Date Sampled:**	October 19, 2010
Sa. Location:	SD2 STA 20+380 @146-150masl	**Material Specification:**	COARSE FILTER
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200,0	100,0
6"	152,4	93,5
3"	75,0	79,2
2"	50,0	73,5
1.5"	37,5	65,7
1"	25,0	58,7
3/4"	19,0	51,7
1/2"	12,5	48,2
3/8"	9,5	43,4
#4	4,75	35,3
#10	2,00	27,5
#20	0,850	21,7
#40	0,425	18,2
#60	0,250	16,2
#100	0,150	14,5
#200	0,075	12,8



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

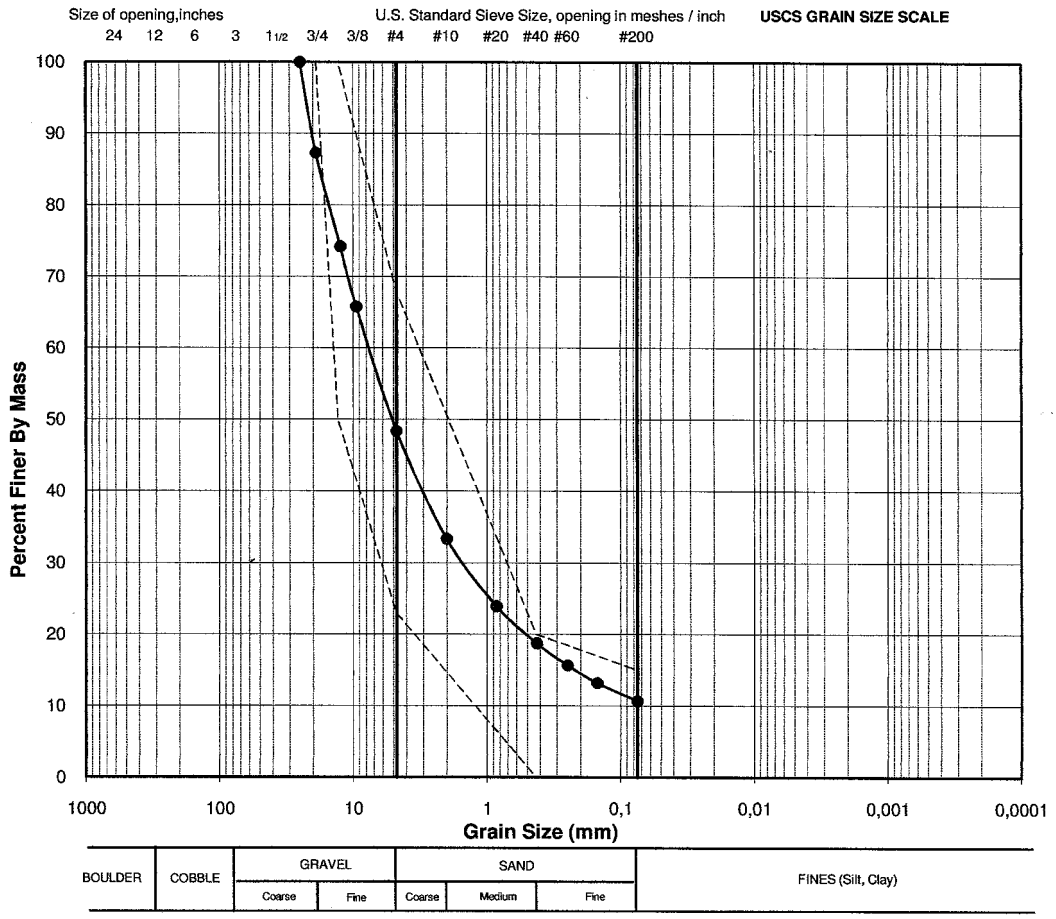
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 373**
Client:	AEM	**Field Label:**	SD2 102010-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	373
Remarks:	Water content=2.5%	**Date Sampled:**	October 20, 2010
Sa. Location:	SD2 STA 20+425 at 148.0masl	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
3.5"	87,5	100,0
3"	75,0	100,0
2"	50,0	100,0
1.5"	37,5	100,0
1"	25,0	100,0
3/4"	19,0	87,3
1/2"	12,5	74,2
3/8"	9,5	65,8
#4	4,75	48,4
#10	2,00	33,3
#20	0,850	23,9
#40	0,425	18,7
#60	0,250	15,7
#100	0,150	13,2
#200	0,075	10,7



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

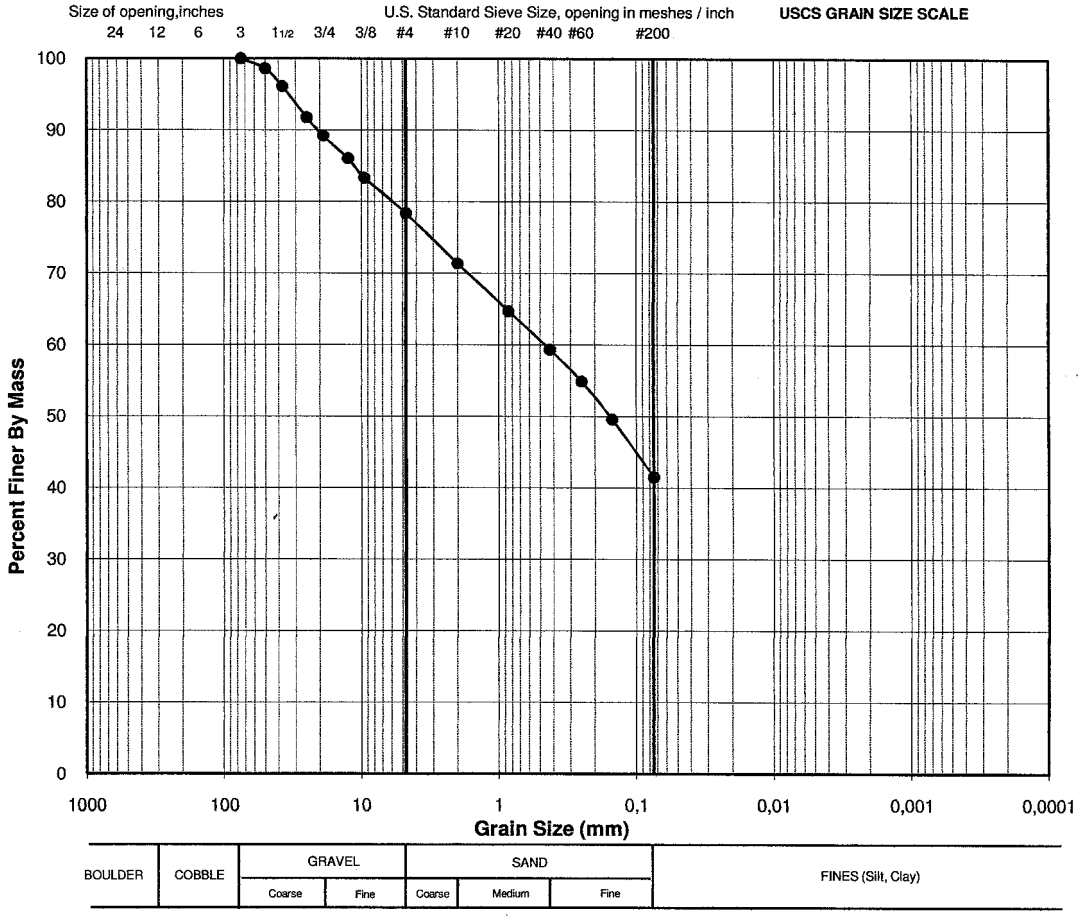
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 374**
Client:	AEM	**Field Label:**	SD2 102010-02
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	374
Remarks:	Water Content = 10.1%	**Date Sampled:**	October 20, 2010
Sa. Location:	Saddle Dam 2, 4.0m above toe plug STA 20+170	**Material Specification:**	NATIVE BORROW
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	100,0
2"	50,0	98,6
1.5"	37,5	96,1
1"	25,0	91,8
3/4"	19,0	89,2
1/2"	12,5	86,1
3/8"	9,5	83,4
#4	4,75	78,4
#10	2,00	71,4
#20	0,850	64,7
#40	0,425	59,3
#60	0,250	54,9
#100	0,150	49,6
#200	0,075	41,5



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

Golder Associates Ltd. - Burnaby Laboratory
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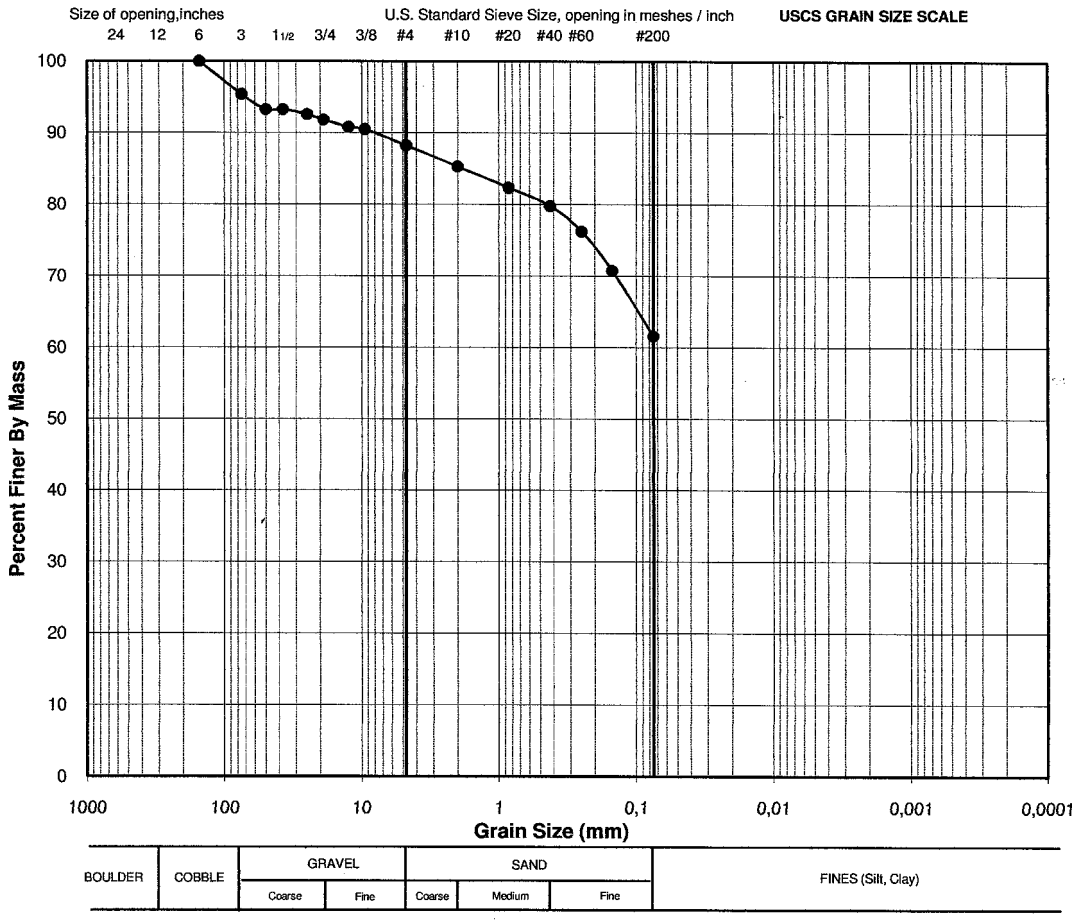
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 375**
Client:	AEM	**Field Label:**	SWD 102410-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	375
Remarks:	Water Content = 21.1%	**Date Sampled:**	October 24, 2010
Sa. Location:	SWD underneath toe of liner STA 10+150	**Material Specification:**	N/A
Note: material TILL LIKE - sandy SILT, little gravel, trace clay, contains cobbles		**Method:**	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	95,4
2"	50,0	93,3
1.5"	37,5	93,3
1"	25,0	92,6
3/4"	19,0	91,8
1/2"	12,5	90,8
3/8"	9,5	90,5
#4	4,75	88,3
#10	2,00	85,3
#20	0,850	82,4
#40	0,425	79,8
#60	0,250	76,2
#100	0,150	70,8
#200	0,075	61,6



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

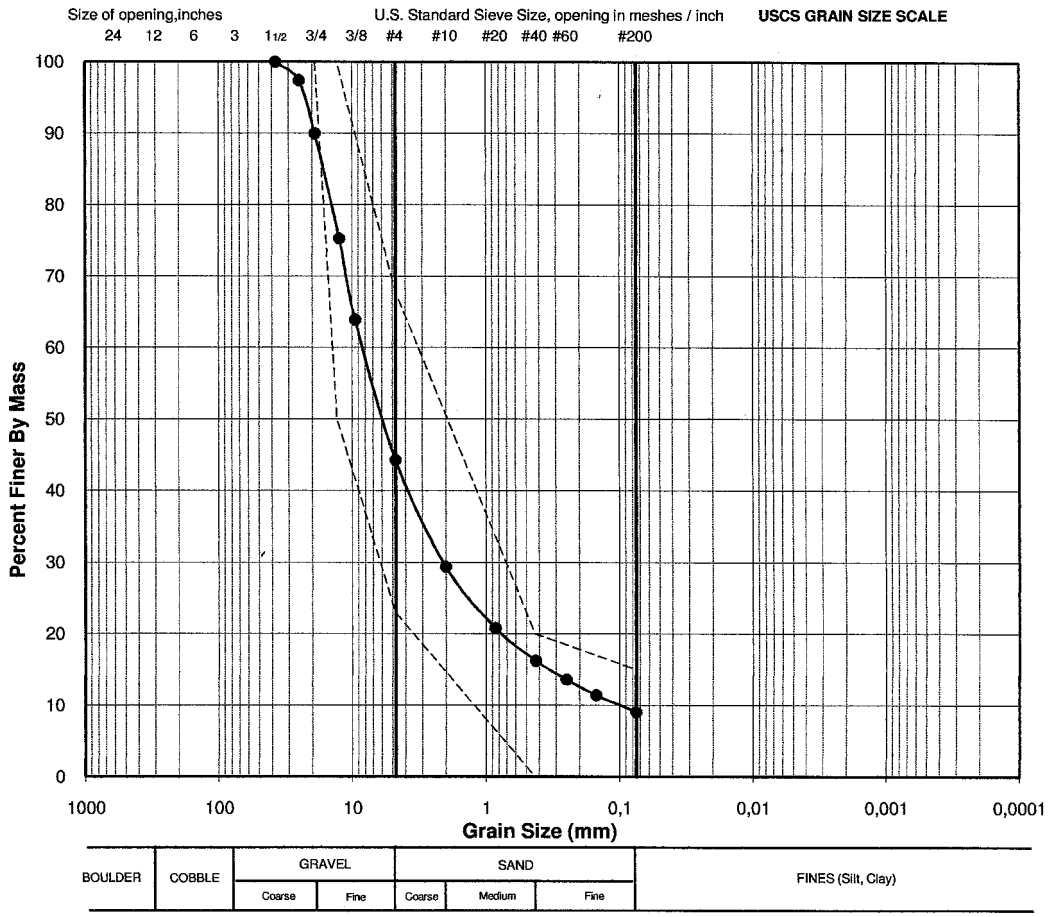
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 376**
Client:	AEM	**Field Label:**	SWD 102410-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	376
Remarks:	Water content=2.7%	**Date Sampled:**	October 24, 2010
Sa. Location:	SWD 10+150	**Material Specification:**	FINE FILTER
		Method:	COMBINED, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
3.5"	87,5	100,0
3"	75,0	100,0
2"	50,0	100,0
1.5"	37,5	100,0
1"	25,0	97,4
3/4"	19,0	90,0
1/2"	12,5	75,3
3/8"	9,5	63,9
#4	4,75	44,3
#10	2,00	29,4
#20	0,850	20,8
#40	0,425	16,2
#60	0,250	13,6
#100	0,150	11,4
#200	0,075	9,1



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

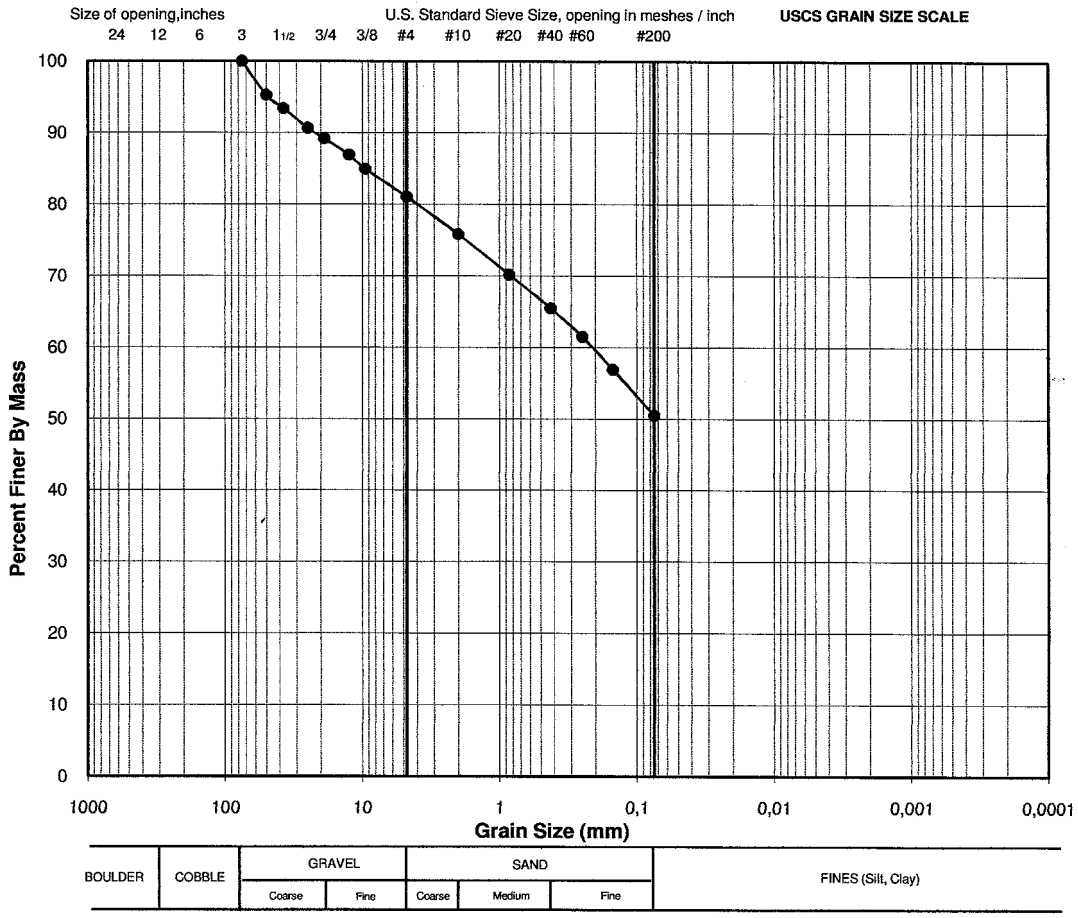
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 377**
Client:	AEM	**Field Label:**	SWD 102410-03
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	377
Remarks:	Water Content = 12.1%	**Date Sampled:**	October 24, 2010
Sa. Location:	Sampled *in-situ* (frozen) under SWD toe of tie in STA 10+080	**Material Specification:**	NATIVE BORROW
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	(mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	100,0
2"	50,0	95,3
1.5"	37,5	93,4
1"	25,0	90,7
3/4"	19,0	89,2
1/2"	12,5	87,0
3/8"	9,5	85,0
#4	4,75	81,1
#10	2,00	75,8
#20	0,850	70,2
#40	0,425	65,5
#60	0,250	61,5
#100	0,150	56,9
#200	0,075	50,5



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Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

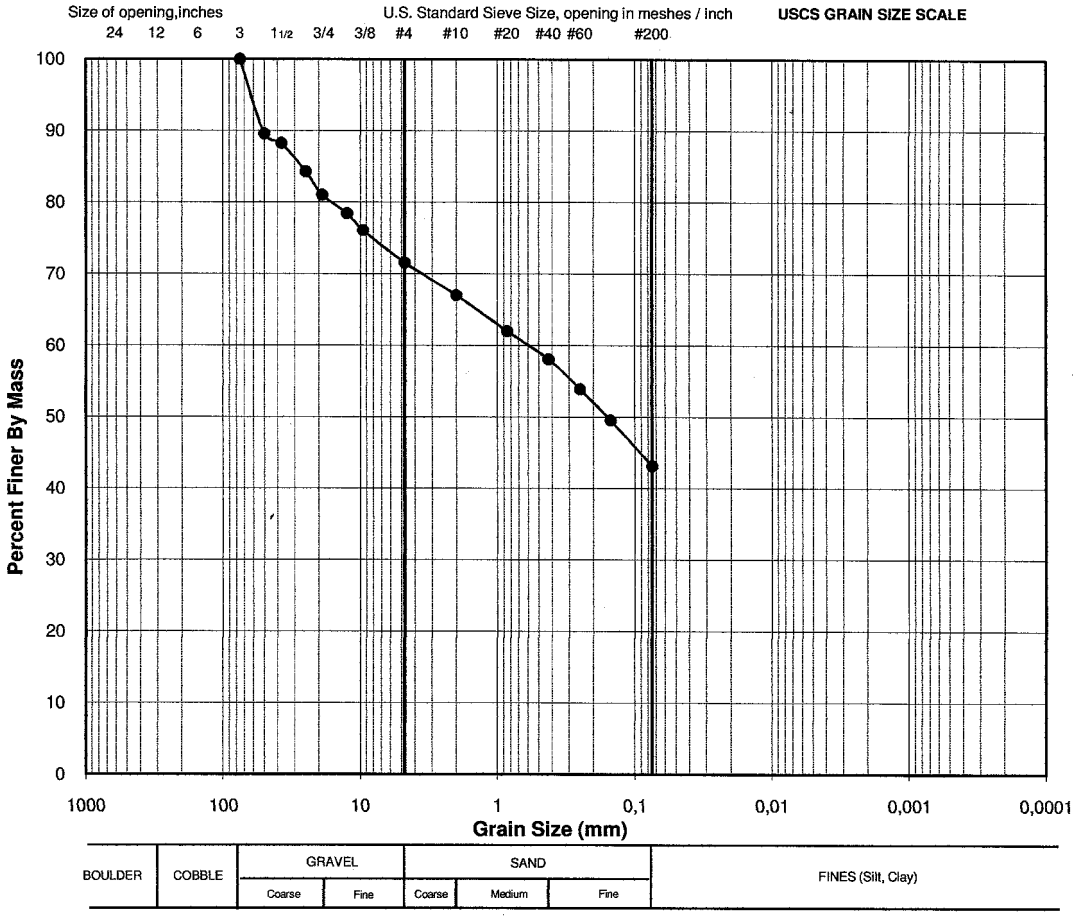
Golder Associates Ltd. - Burnaby Laboratory
4280 Still Creek Drive
Burnaby, B.C. Canada V5C 6C8

PARTICLE SIZE ANALYSIS OF SOILS

Reference
ASTM C136-06 & C117-04

Project No.:	09-1428-5007 (2000)	**Sample No.:**	**SA 379**
Client:	AEM	**Field Label:**	SWD 102510-01
Project:	Meadowbank Gold Project	**Depth (m):**	NA
Location:	Nunavut	**Lab ID No:**	379
Remarks:	Water Content = 14.8%	**Date Sampled:**	October 25, 2010
Sa. Location:	Sampled *in-situ* from SWD liner toe tie in, STA 10+080	**Material Specification:**	NATIVE BORROW
		Method:	SPLIT, WASHED
		Date Tested:	October 25, 2010

Sieve Size (USS)	Sieve Size (mm)	Passing %
8"	200,0	100,0
6"	152,4	100,0
3"	75,0	100,0
2"	50,0	89,6
1.5"	37,5	88,3
1"	25,0	84,3
3/4"	19,0	81,0
1/2"	12,5	78,5
3/8"	9,5	76,1
#4	4,75	71,6
#10	2,00	67,0
#20	0,850	62,0
#40	0,425	58,1
#60	0,250	53,9
#100	0,150	49,5
#200	0,075	43,1



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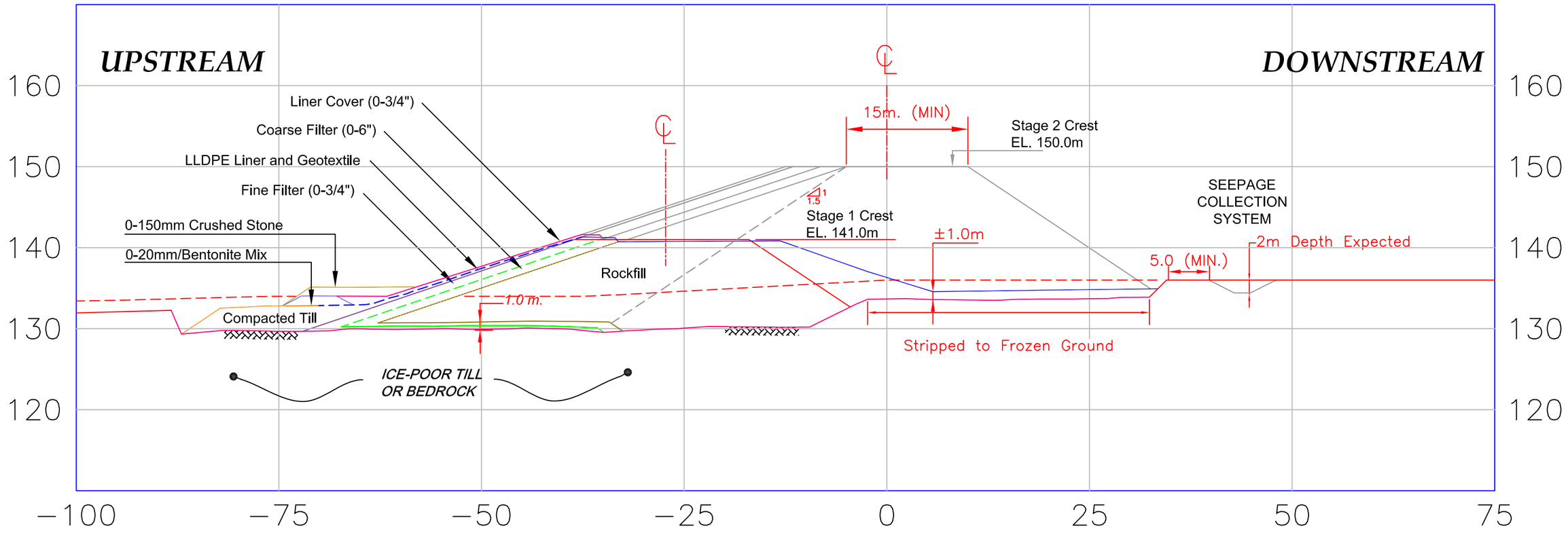
Damian Edwards	October 25, 2010	Grant Burns	October 30, 2010
TESTED BY	DATE	CHECKED BY	DATE

APPENDIX C – AS-BUILT DRAWINGS

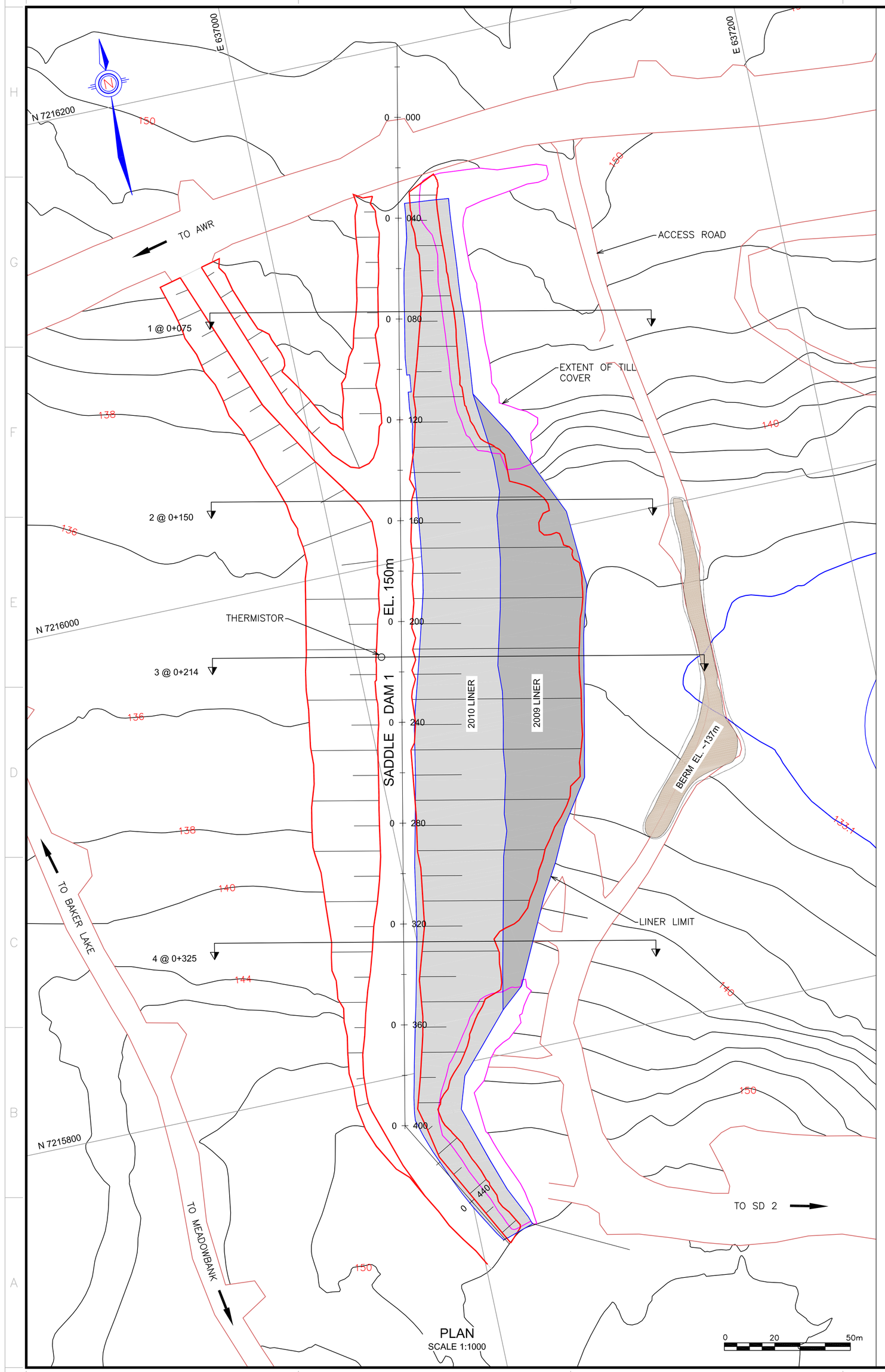
Saddle Dam 1 – As Built Drawings



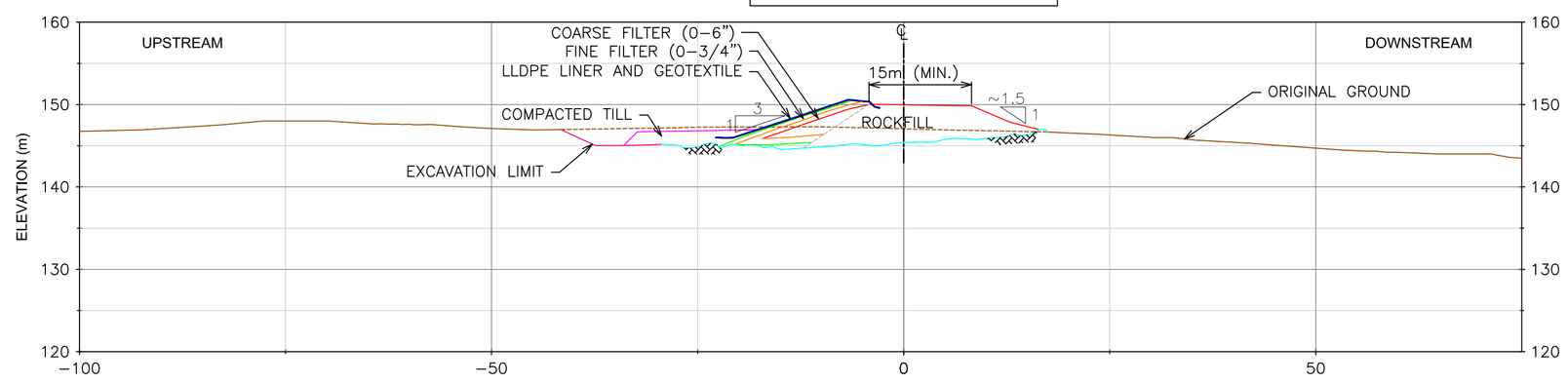
SADDLE DAM# 1
AS- BUILT INSTRUMENTED SECTION
ST. 0+212
(1:500 SCALE)

DRAWING NO.

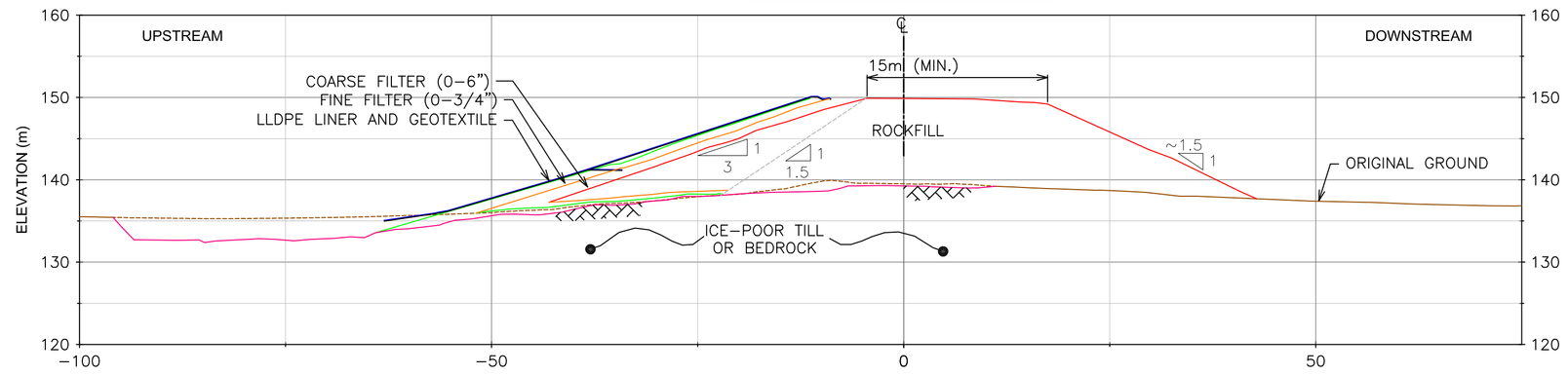
FORMAT ARCHD–LANDSCAPE



SECTION AT STA. 0+075.00



SECTION AT STA. 0+150.00



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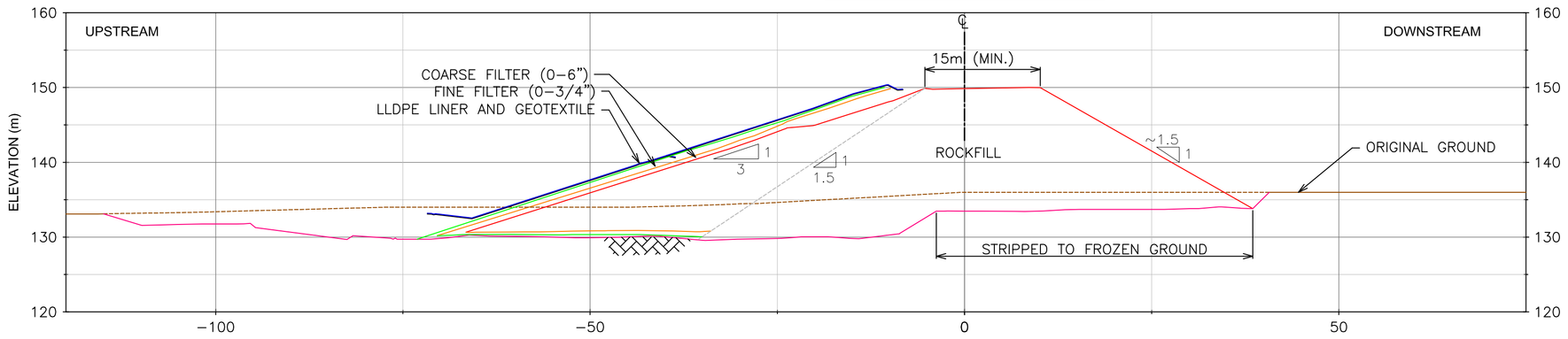

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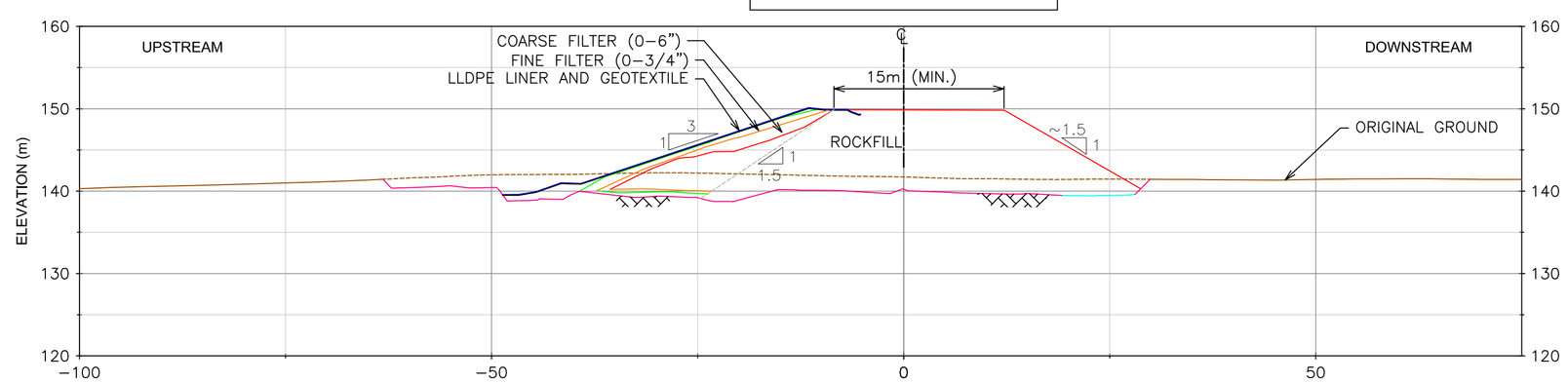
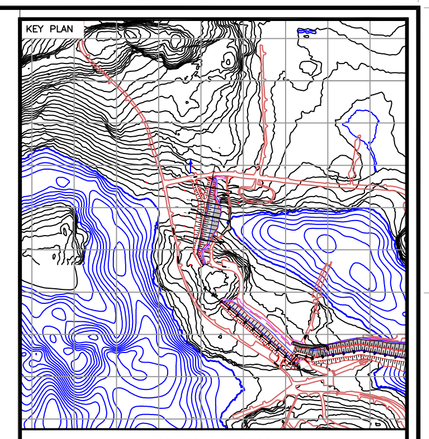


SECTIONS
SCALE 1:500

0 10 25m

KEY PLAN



GENERAL NOTES

LEGEND:

- LINER COVER 2010
- LINER COVER 2009
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

FOR SECTIONS:

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 1
PLAN
AS BUILT 2010

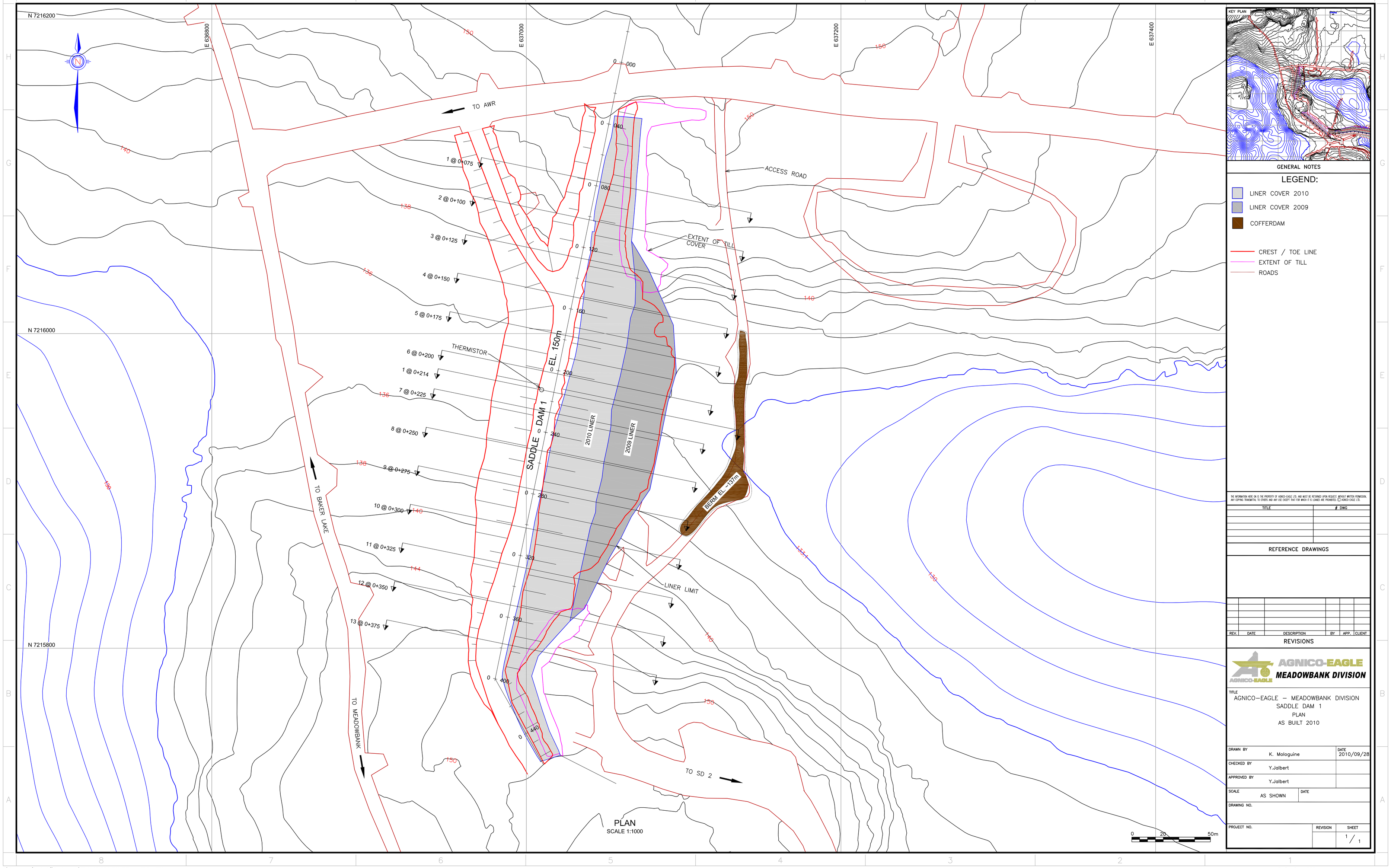
DRAWN BY	K. Mologuine	DATE 2010/09/28
CHECKED BY	Y.Jalbert	
APPROVED BY	Y.Jalbert	
SCALE	AS SHOWN	DATE
DRAWING NO.		
PROJECT NO.	REVISION	SHEET 1 / 1

X:\Saddle Dam 1\AS BUILT\AS_BUILT 2010\Konstantin\ACAD\SD 1 AS–BUILT 2010 ALTERNATIVE PLAN 1.dwg, 08 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE



PLAN
SCALE 1:1000

KEY PLAN

GENERAL NOTES

LEGEND:

- LINER COVER 2010
- LINER COVER 2009
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 1
PLAN
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: AS SHOWN	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 1 / 1

C:\Meadowbank (Konstantin)\Saddle dam 1\SD 1 AS-BUILT 2010 PLAN.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

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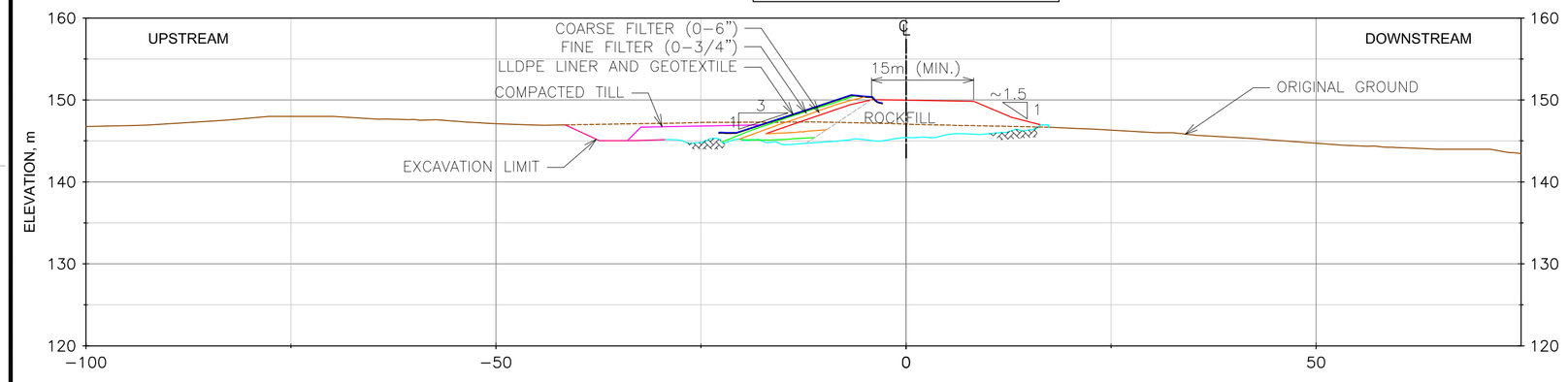

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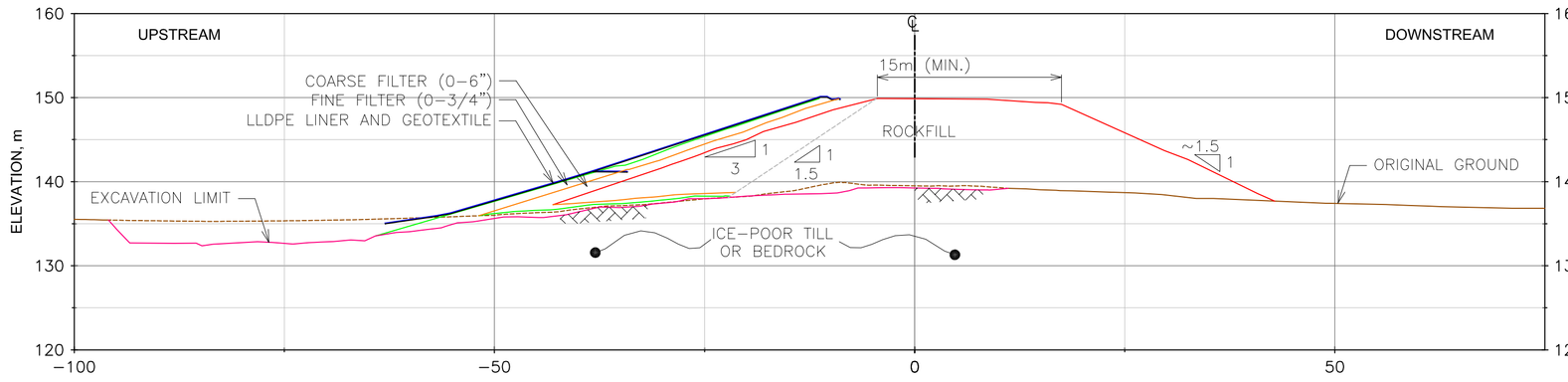

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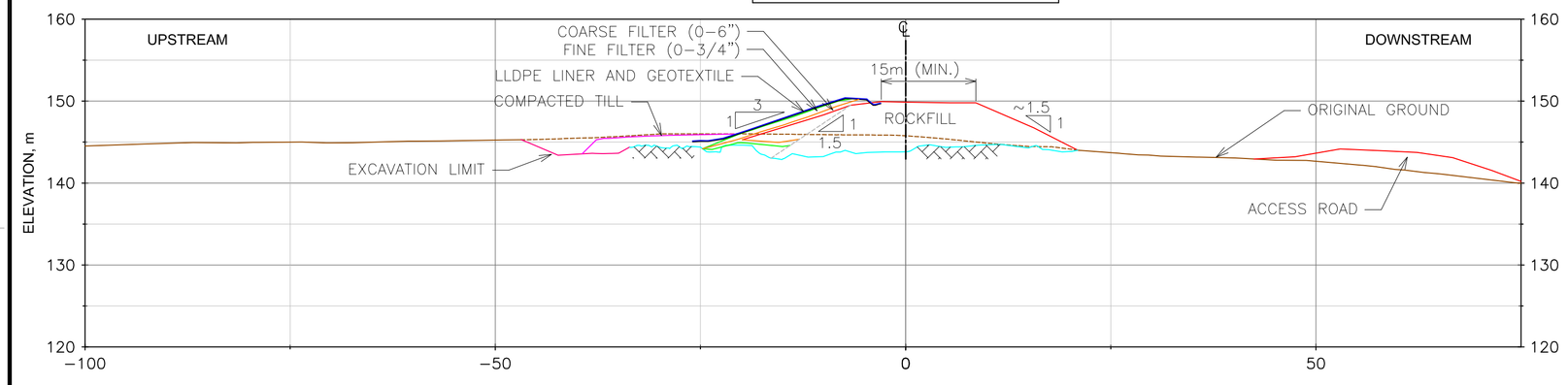

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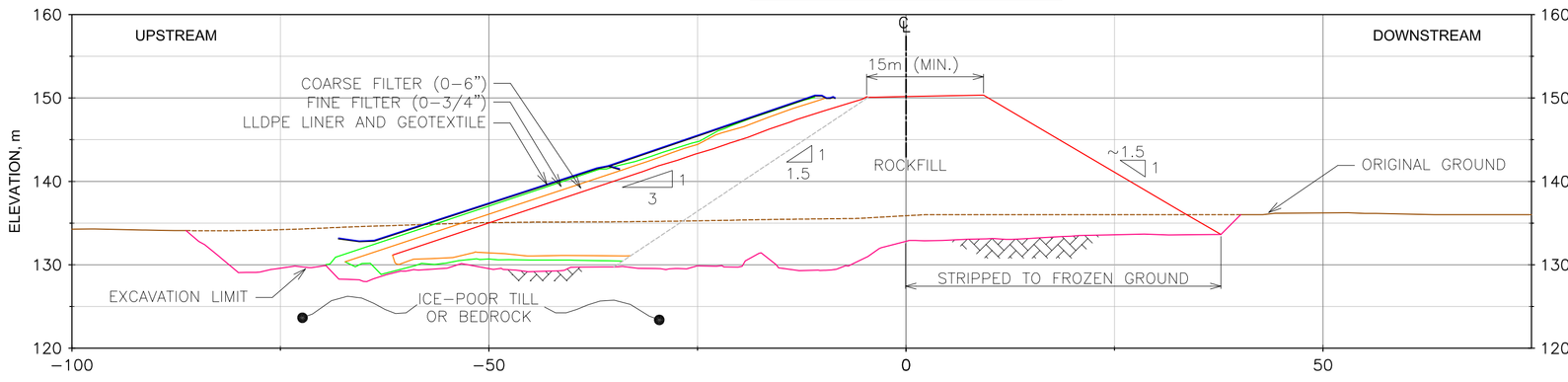

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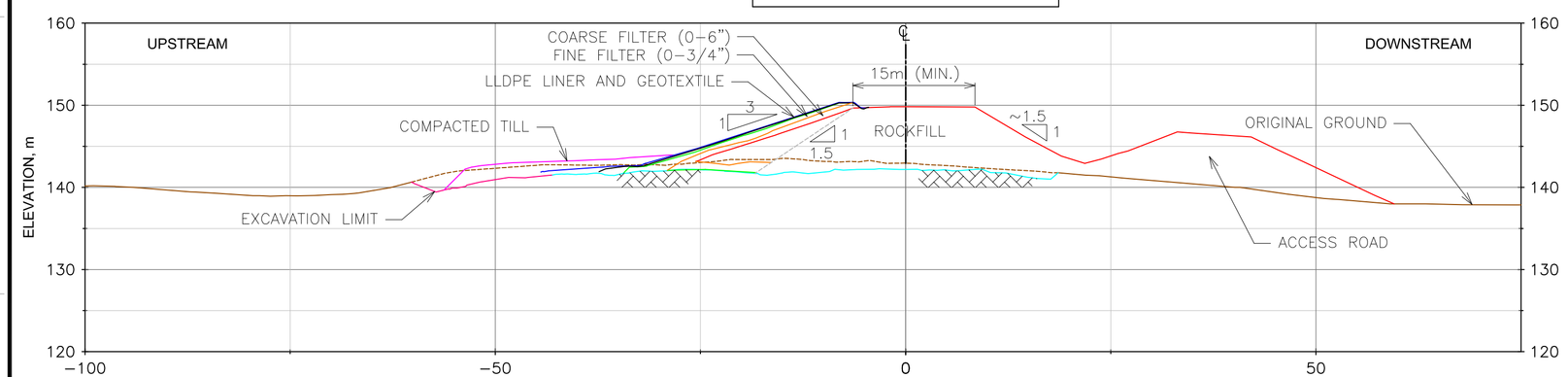

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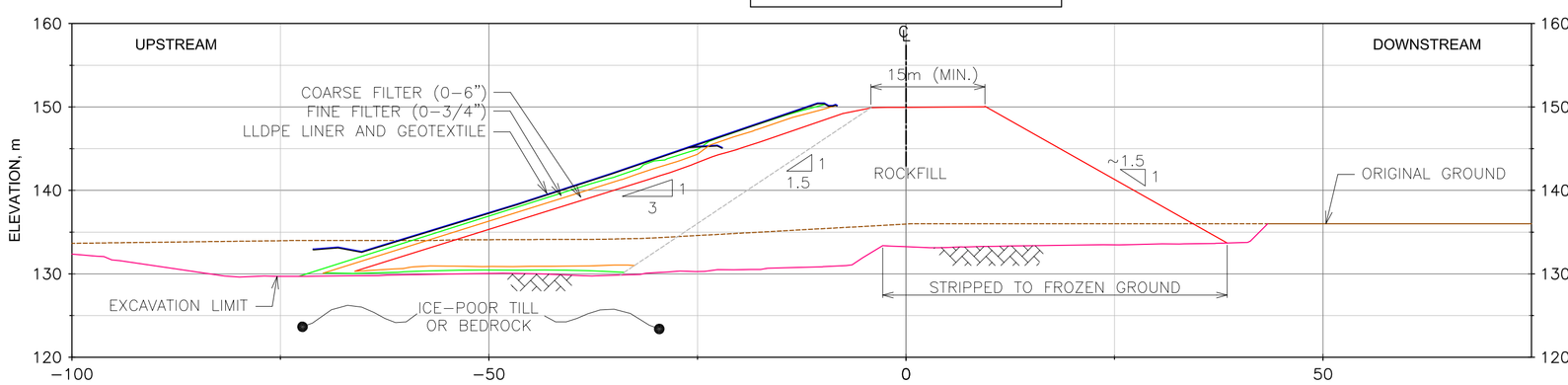
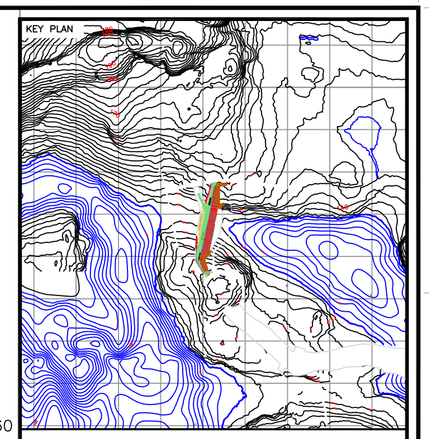


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 1
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 1 / 2

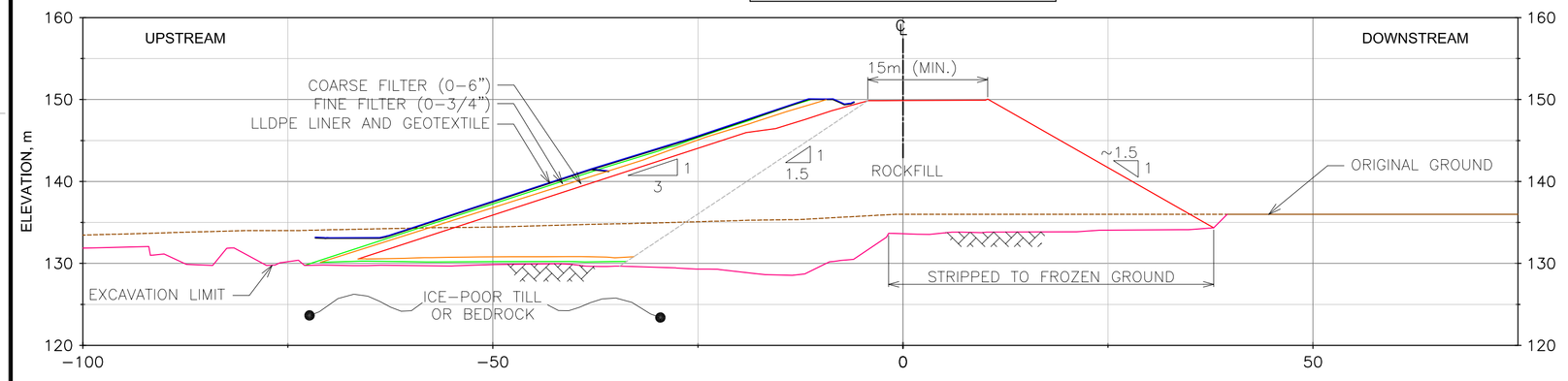
C:\Meadowbank (Konstantin)\Saddle dam 1\SD 1 AS-BUILT 2010 SECTIONS.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

SECTION AT STA. 0+225.00



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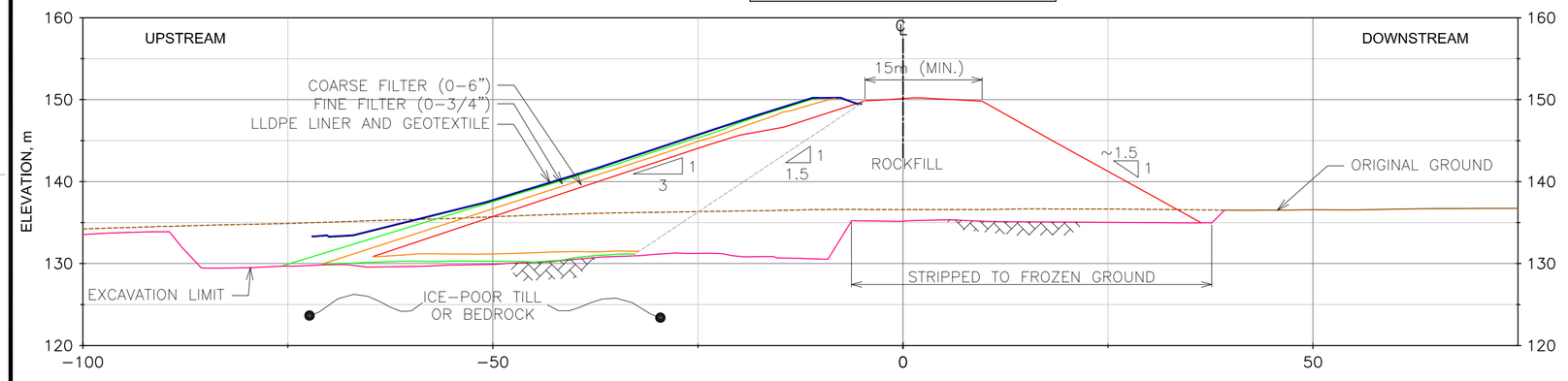

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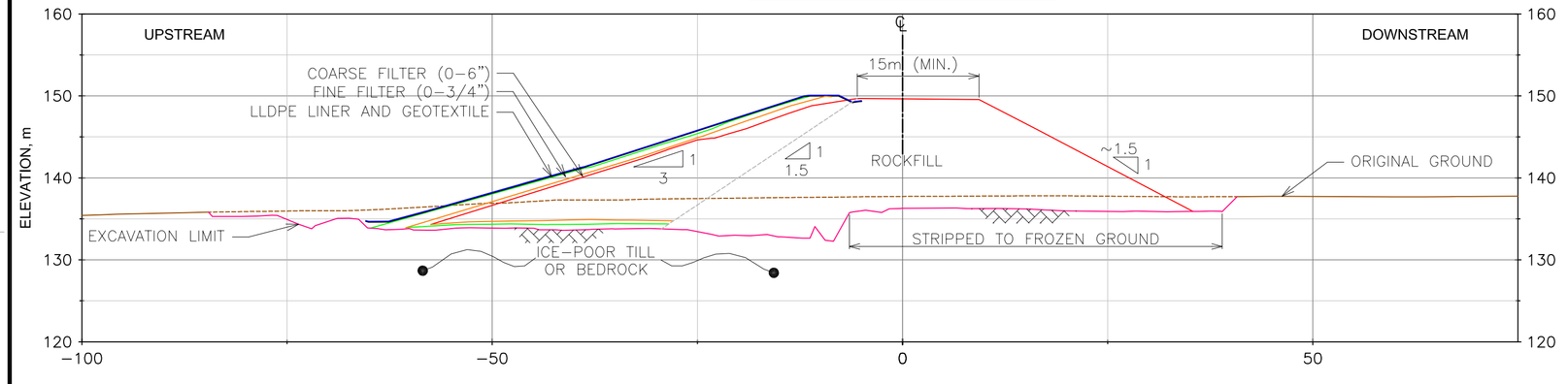

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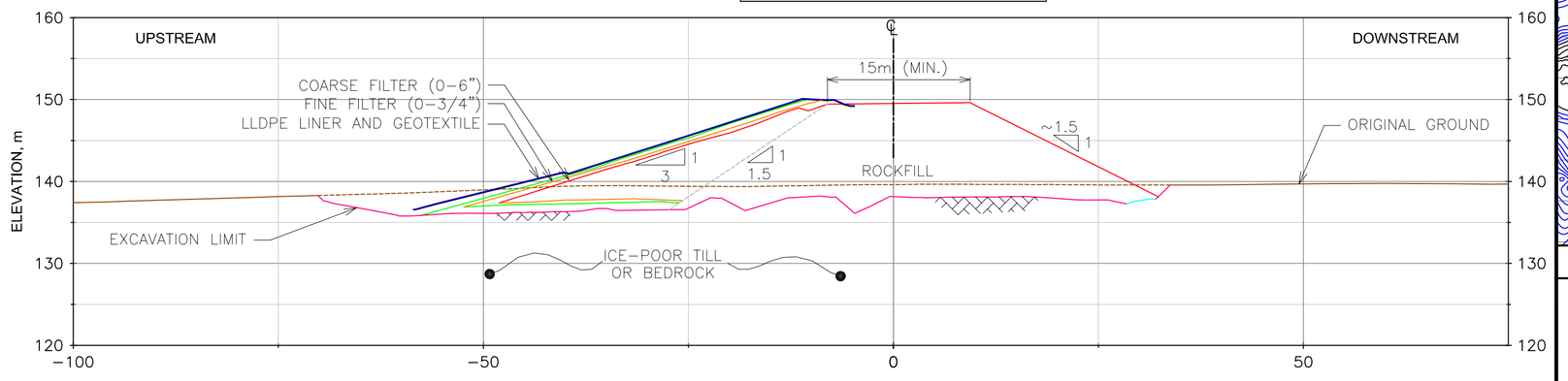
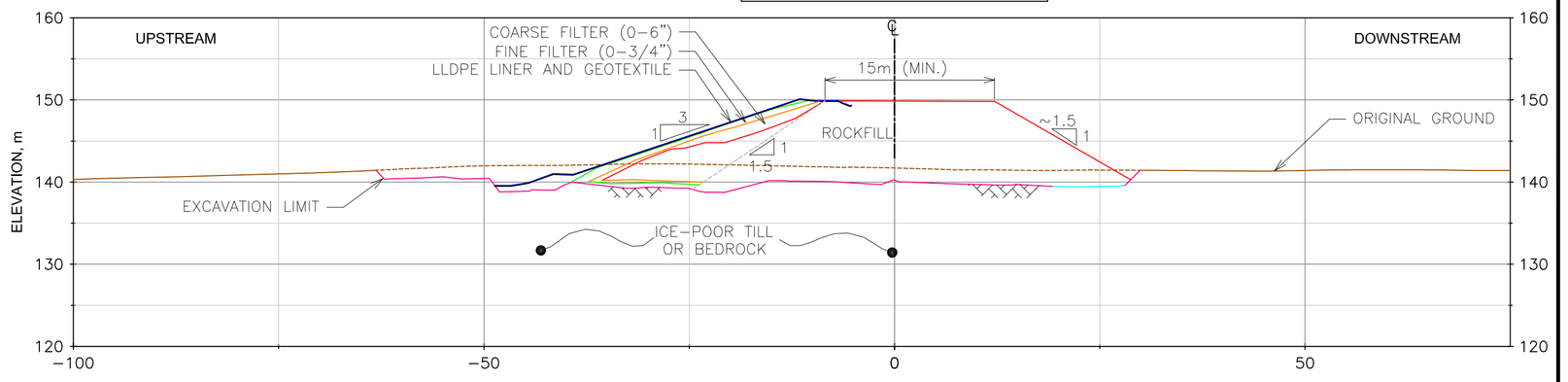


SECTION AT STA. 0+325.00



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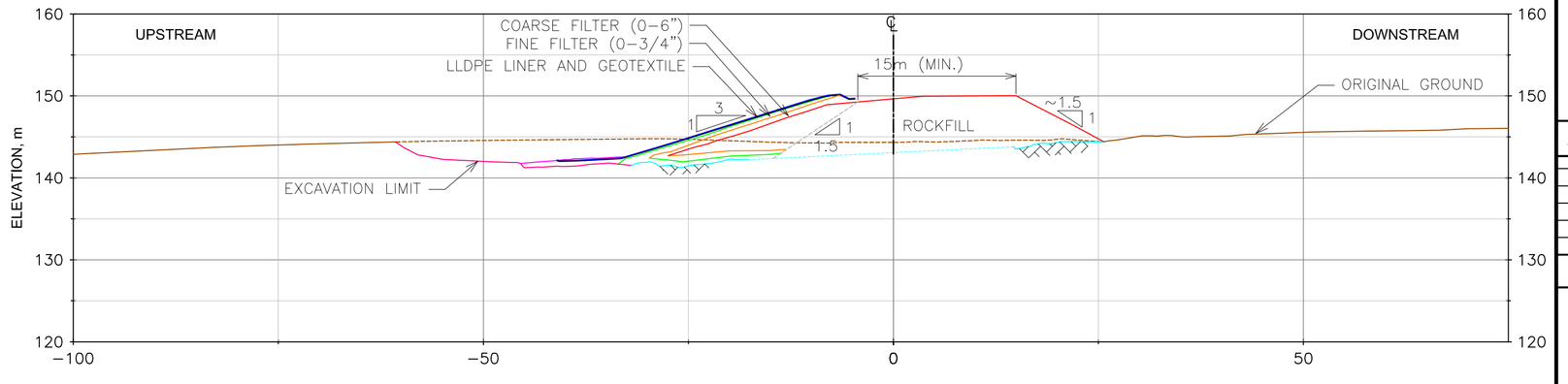

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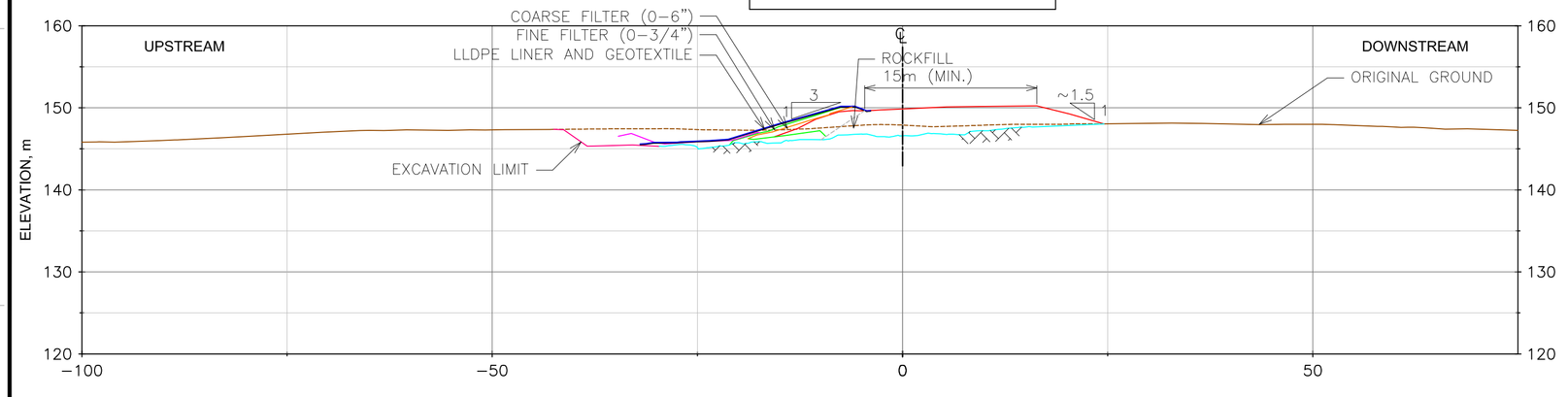

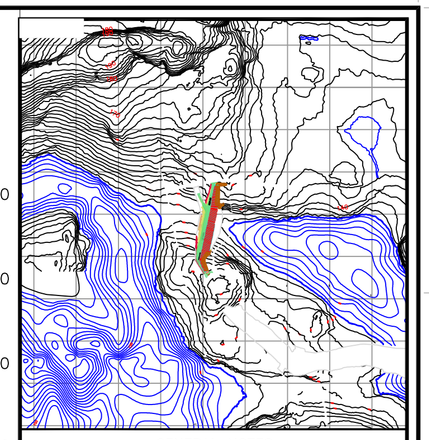

GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 1
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION / SHEET: 2 / 2

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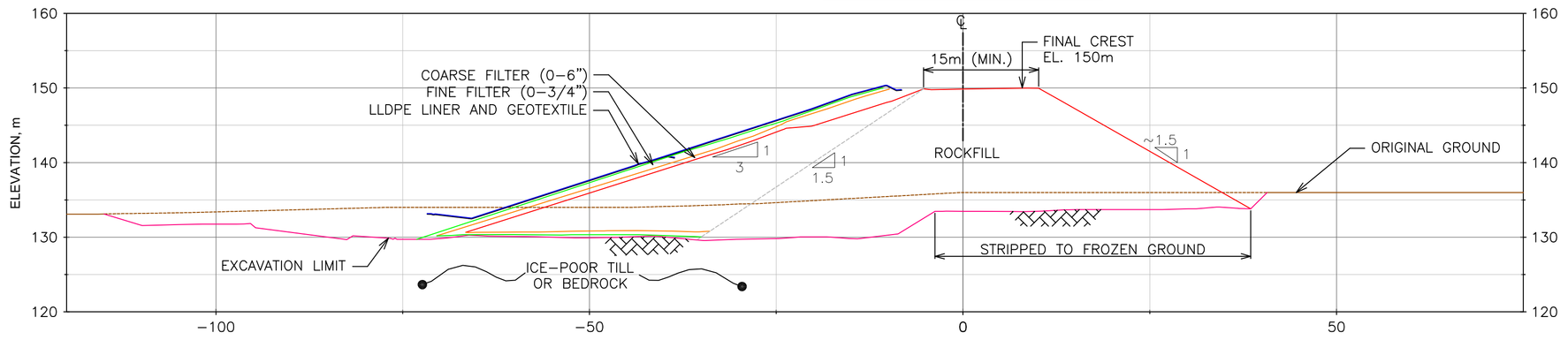
FILE NO. .DWG

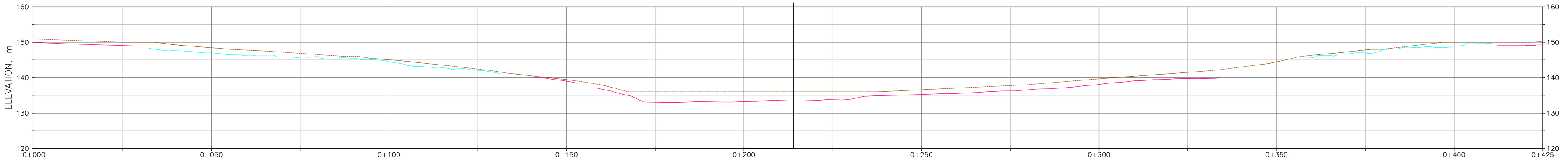
SECTION AT STA. 0+214.00



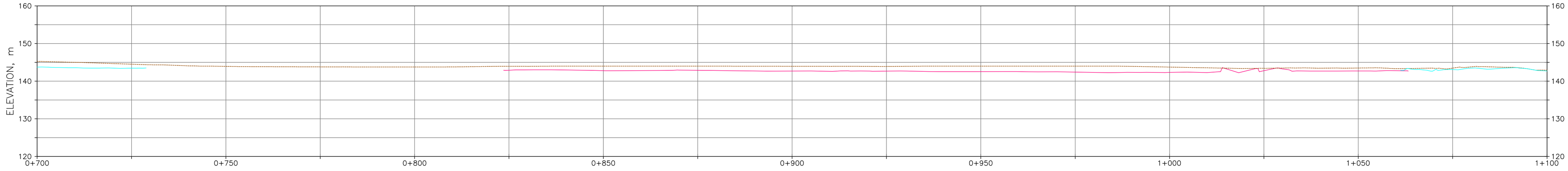
LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

SD1 FOUNDATION PROFILE
SCALE 1:500



SD2 FOUNDATION PROFILE
SCALE 1:500



Saddle Dam 2 – As Built Drawings

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

E 637000 E 637200 E 637400 E 637600

N 7215600 N 7215400 N 7215200

20+000 20+050 20+100 20+150 20+200 20+250 20+300 20+350 20+400 20+450 20+500 20+550 20+600 20+650

1 @ 20+150 1 @ 20+167 2 @ 20+175 3 @ 20+200 4 @ 20+225 5 @ 20+250 6 @ 20+275 7 @ 20+300 8 @ 20+325 2 @ 20+330 9 @ 20+350 10 @ 20+375 11 @ 20+400 12 @ 20+425 13 @ 20+450 14 @ 20+475 15 @ 20+500 16 @ 20+525 17 @ 20+550

DRAIN PIPE

THERMISTOR

ACCESS ROAD

LINER COVER COMPLETED TO EL. 146m

EXTENT OF TILL COVER

LINER LIMIT

SADDLE DAM 2 EL. 150m

TO RECLAIM BARGE

COFFER DAM EL. 142m

2009 LINER

LINER LIMIT (2010)

EL. 148m

STORMWATER DIKE EL. 148m

0+750 0+800 0+850 0+900 0+950 1+000 1+050 1+100 1+150 1+200 1+250 1+300 1+350

ACCESS RAMP

TO MAIN CAMP

ACCESS RAMP

WATER TREATMENT PLANT

154 150 146 142 140 138 136 134

PLAN
SCALE 1:1000

KEY PLAN

GENERAL NOTES

LEGEND:

- LINER COVER 2010
- LINER COVER 2009
- LINER COVER TO BE COMPLETED
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

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REFERENCE DRAWINGS

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REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
PLAN
AS BUILT 2010

DRAWN BY	K. Mologuine	DATE 2010/09/28
CHECKED BY	Y.Jalbert	
APPROVED BY	Y.Jalbert	
SCALE	AS SHOWN	DATE
DRAWING NO.		
PROJECT NO.	REVISION	SHEET 1 / 1

C:\Meadowbank (Konstantin)\Saddle dam 2\SD 2 AS-BUILT 2010 PLAN.dwg, 07 Dec 2010

FILE NO. .DWG

X:\Saskatoon Dam 2\Apr 2010\Kumatsumi\ACAD\50 2 AS-BUILT 2010 ALTERNATIVE PLAN 1.dwg, 08 Dec 2010

FILE NO. .DWG

SECTIONS

SCALE 1:500

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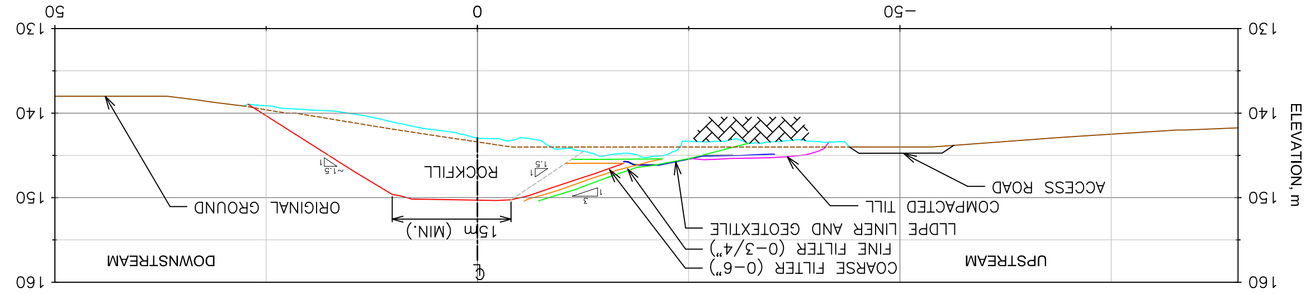

PLAN

SCALE 1:1000

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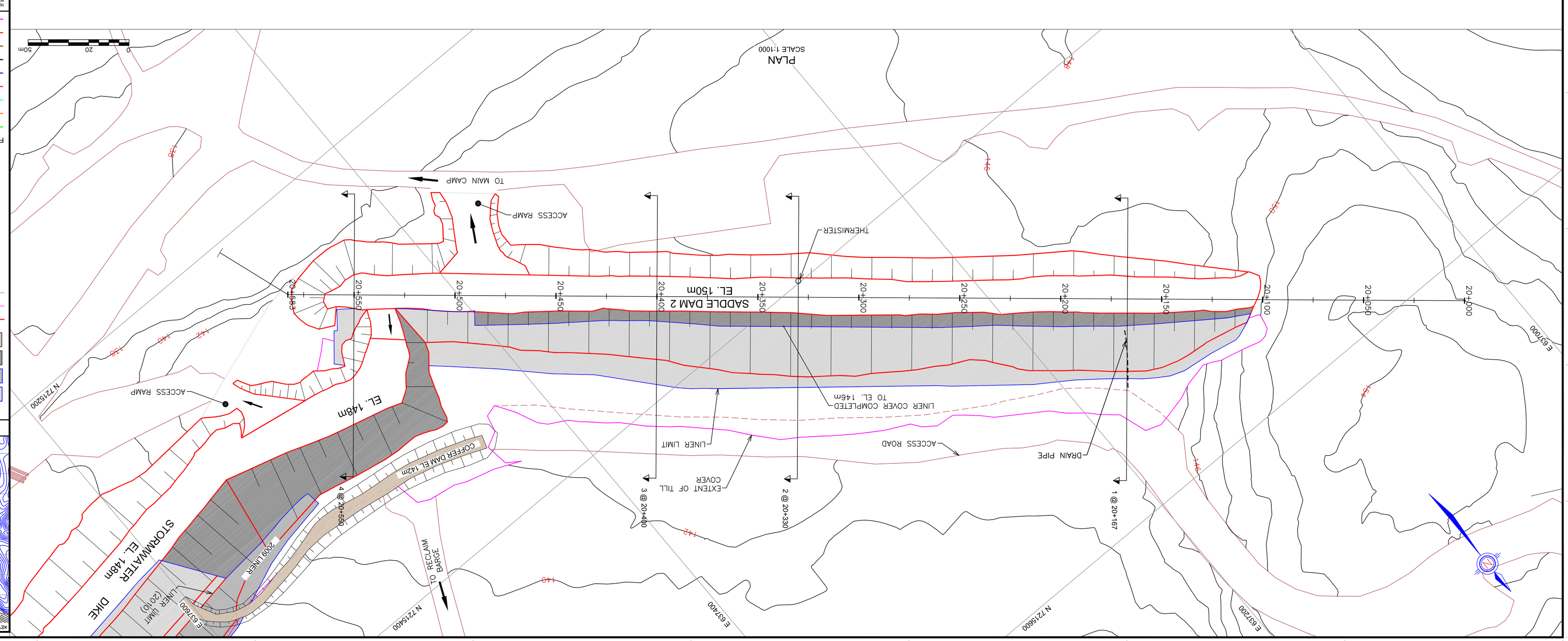

FOR SECTIONS:

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

LEGEND:

- LINER COVER 2010
- LINER COVER 2009
- LINER COVER TO BE COMPLETED
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

GENERAL NOTES

KEY PLAN

REFERENCE DRAWINGS	
TITLE	# DWG

REVISIONS					
REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

AGNICO-EAGLE MEADOWBANK DIVISION

TITLE
AGNICO-EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
PLAN
AS BUILT 2010

DRAWN BY	K. Mologuine
DATE	2010/09/28
CHECKED BY	Y.Jolibert
APPROVED BY	Y.Jolibert
SCALE	AS SHOWN
DATE	
DRAWING NO.	
PROJECT NO.	
REVISION	
SHEET	1 / 1

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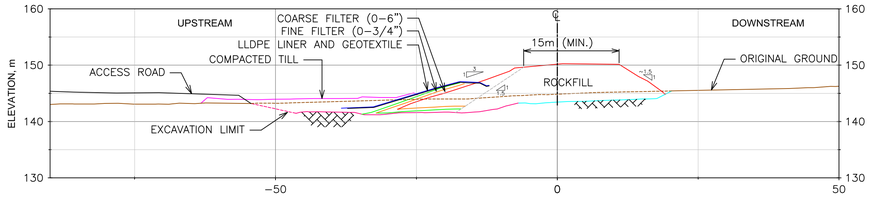
FORMAT ARCHD-LANDSCAPE

DRAWING NO.

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

SECTION AT STA. 20+150.00



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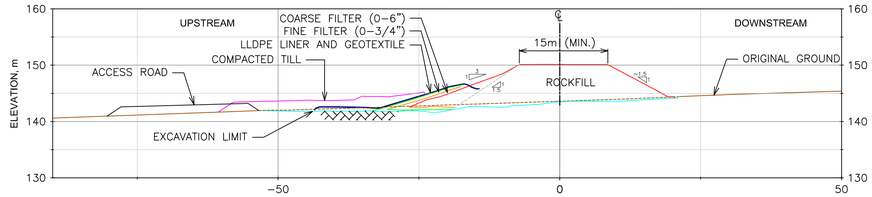

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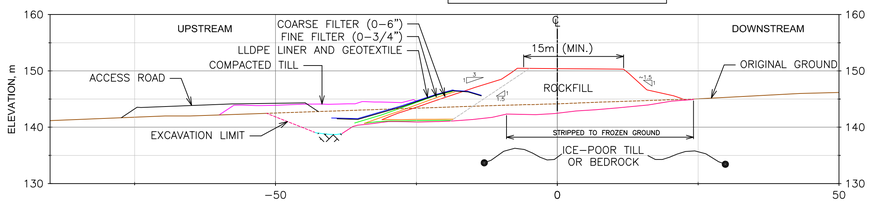

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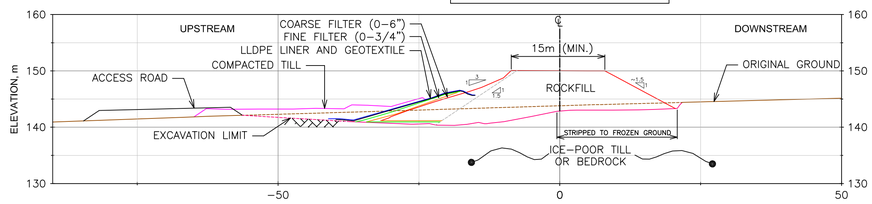
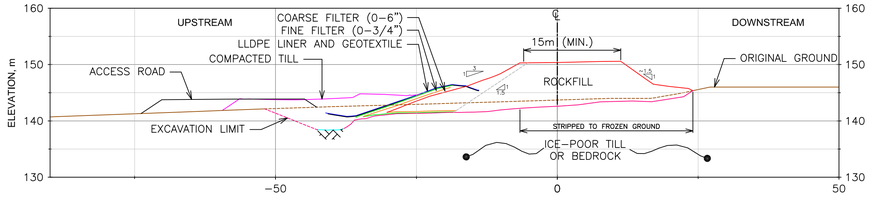


SECTION AT STA. 20+200.00



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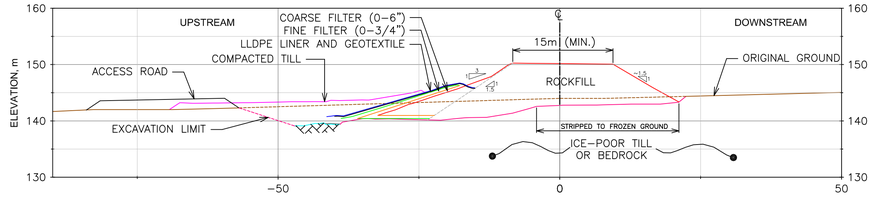

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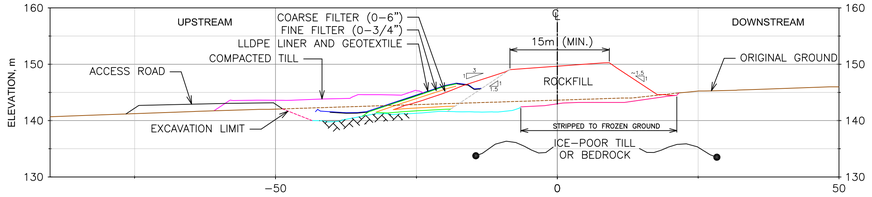
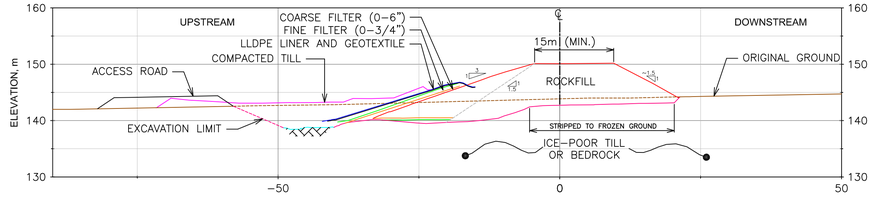
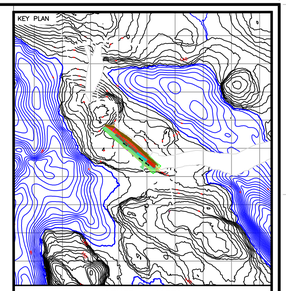


SECTION AT STA. 20+325.00



KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 1 / 2

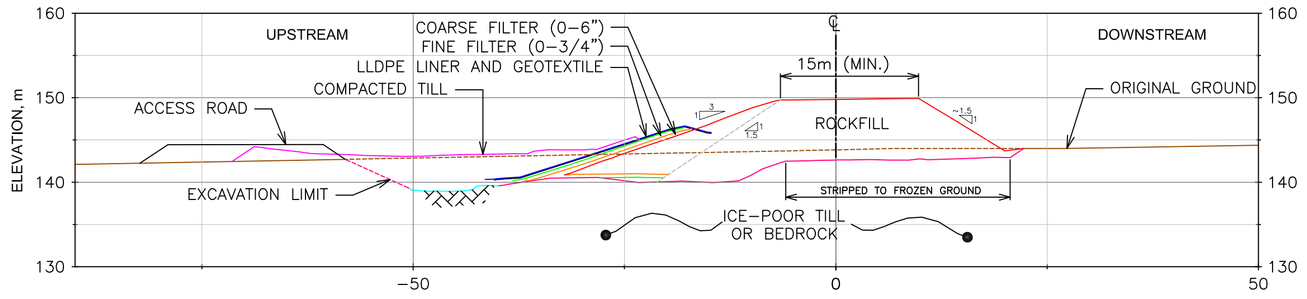
C:\Meadowbank (Konstantin)\Saddle dam 2\SD 2 AS-BUILT 2010 SECTIONS.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

SECTION AT STA. 20+350.00



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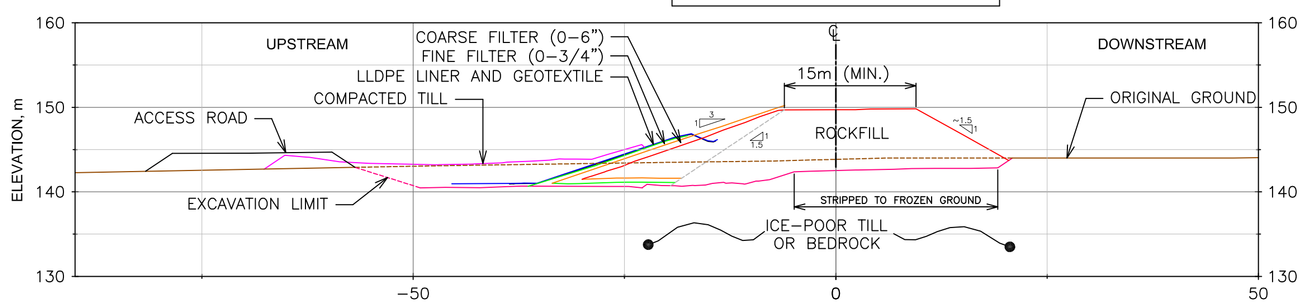

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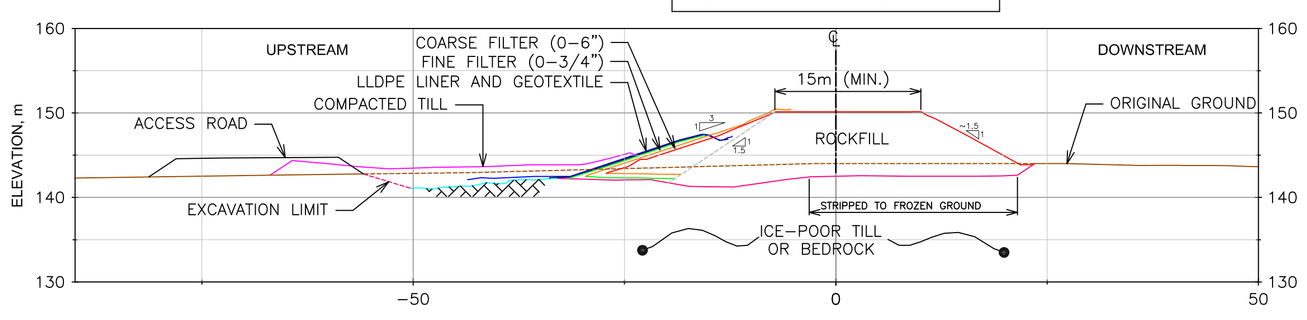

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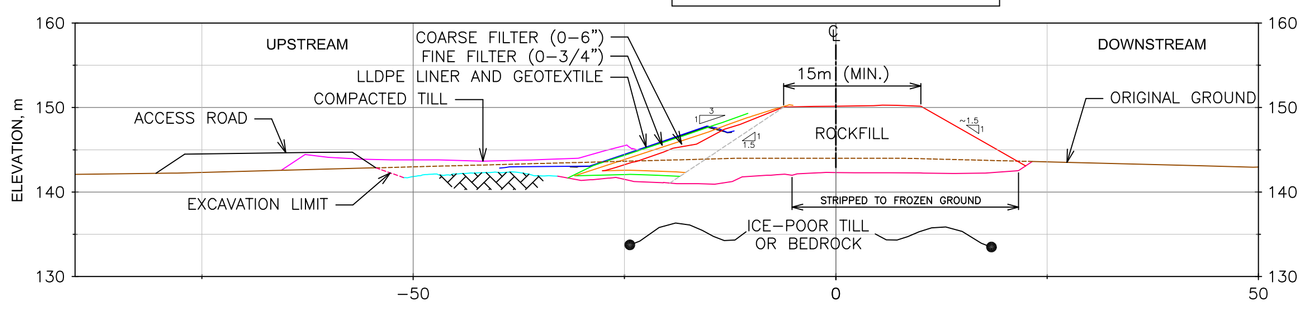

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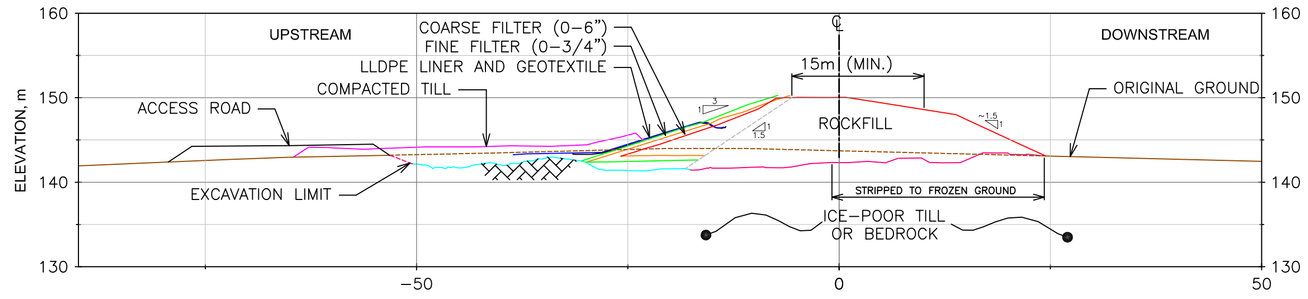

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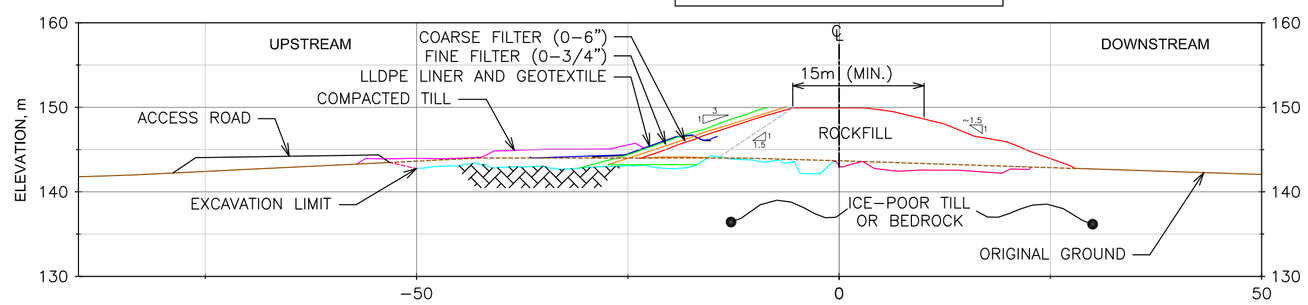

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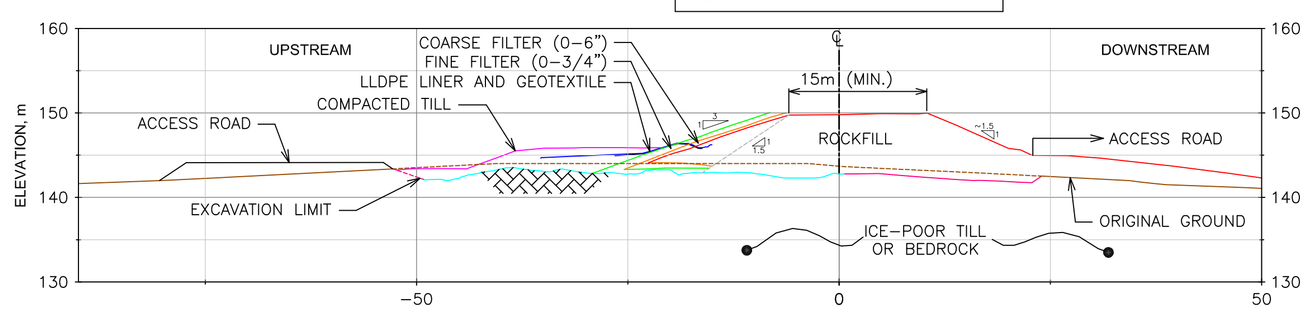

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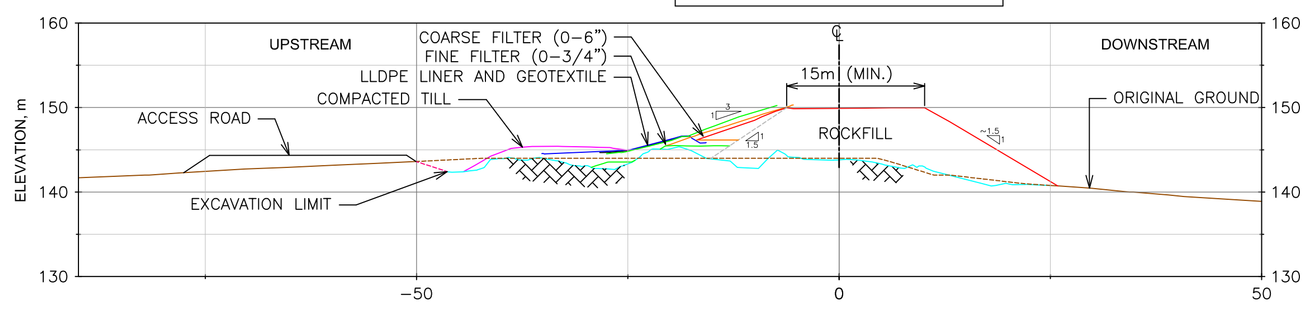

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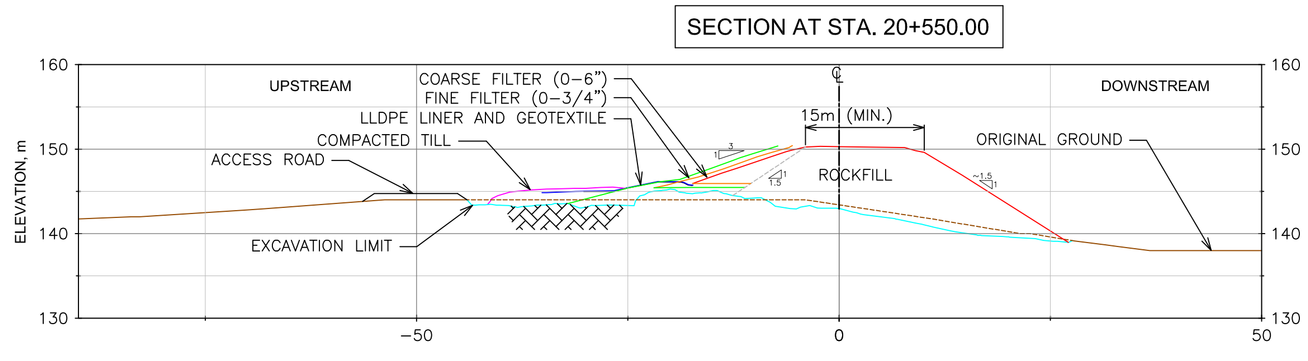
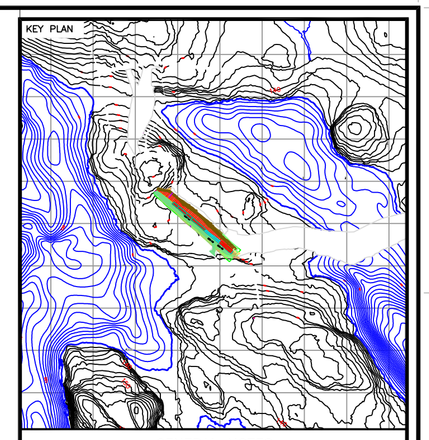


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO–EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
SECTIONS
AS BUILT 2010

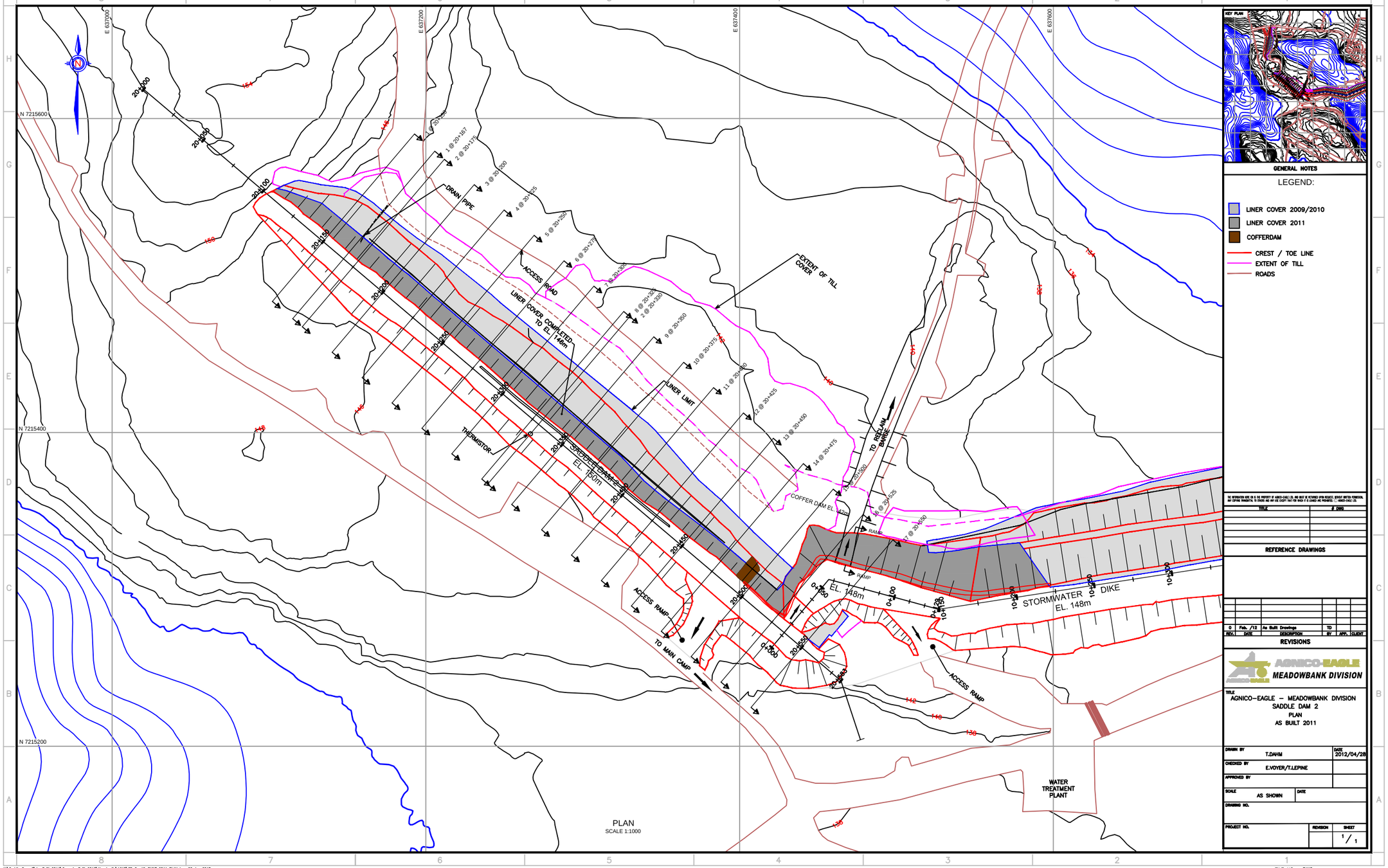
DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION / SHEET: 2 / 2

C:\Meadowbank (Konstantin)\Saddle dam 2\SD 2 AS-BUILT 2010 SECTIONS.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCH-D-LANDSCAPE



KEY PLAN

GENERAL NOTES

LEGEND:

- LINER COVER 2009/2010
- LINER COVER 2011
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP. CLIENT
0	Feb. /12	As Built Drawings	TD	

REVISIONS

AGNICO-EAGLE MEADOWBANK DIVISION

TITLE
AGNICO-EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
PLAN
AS BUILT 2011

DRAWN BY: T.DAHM	DATE: 2012/04/28
CHECKED BY: E.VOYER/T.LEPINE	
APPROVED BY:	
SCALE: AS SHOWN	DATE:
DRAWING NO.	
PROJECT NO.	REVISION / SHEET: 1 / 1

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FILE NO. .DWG

DRAWING NO.

FORMAT ARCH-D-LANDSCAPE

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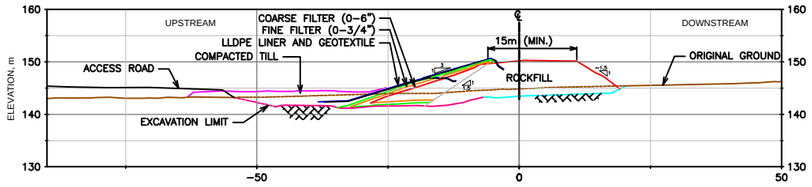

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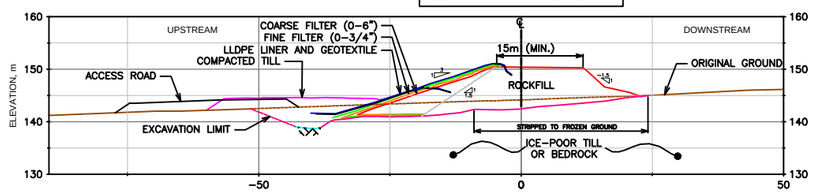

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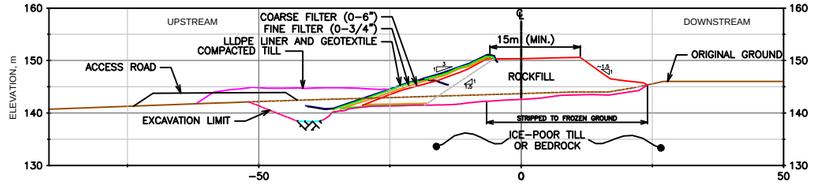

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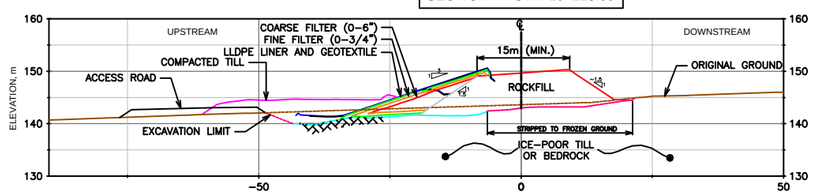

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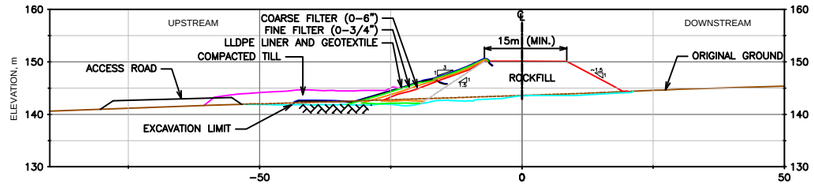

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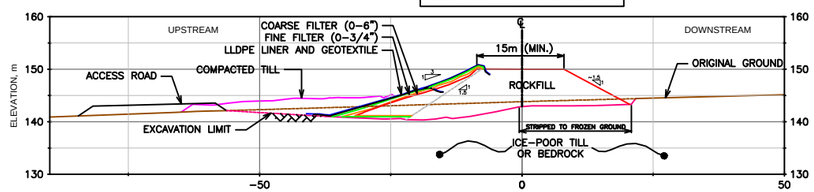
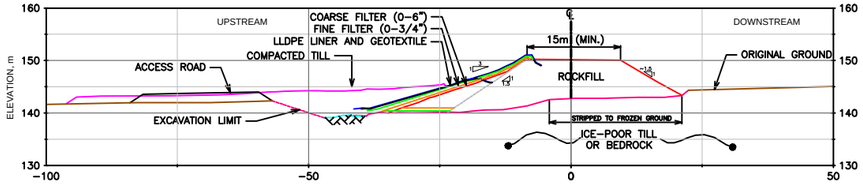


SECTION AT STA. 20+300.00



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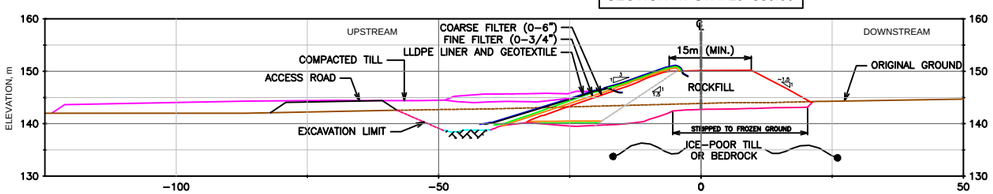
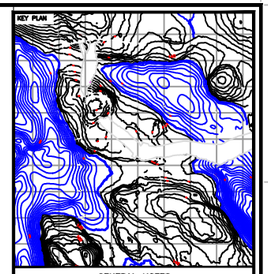


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT
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REVISIONS

AGNICO-EAGLE MEADOWBANK DIVISION

TITLE
AGNICO-EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
SECTIONS
AS BUILT 2011

DRAWN BY: T.DAHM	DATE: 2012/04/28
CHECKED BY: E.VOYER/T.LEPINE	
APPROVED BY:	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION / SHEET: 1/2

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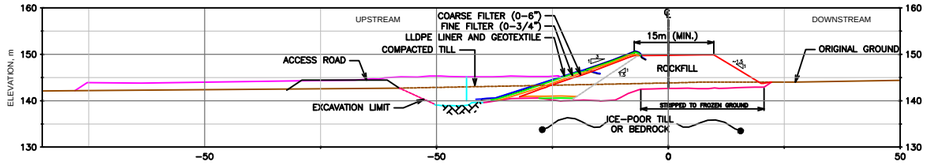
FILE NO. .DWG

DRAWING NO.

FORMAT ARCH-D—LANDSCAPE

SECTION AT STA. 20+350.00



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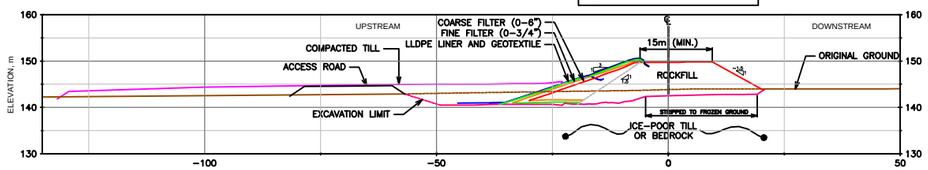

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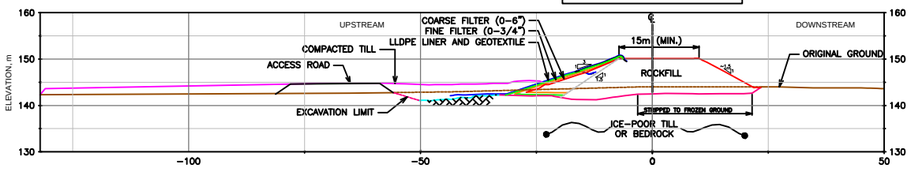

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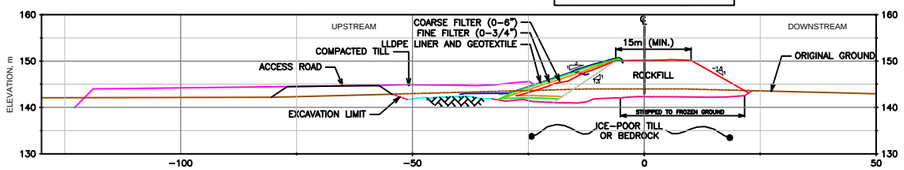

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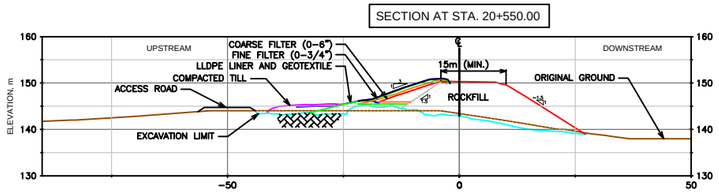

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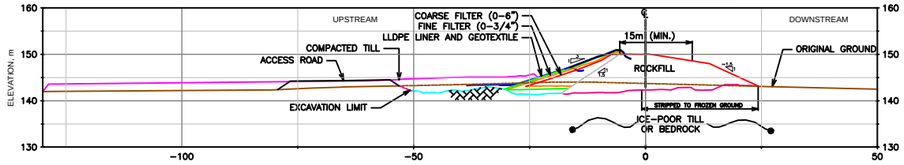

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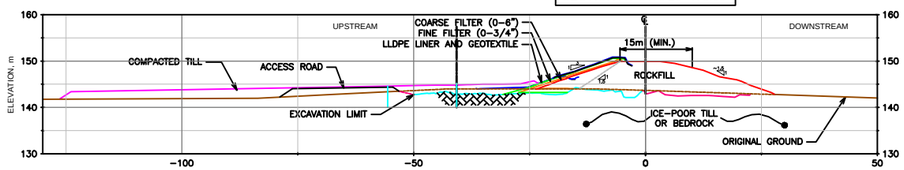

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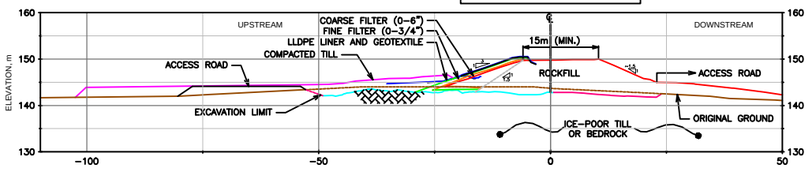

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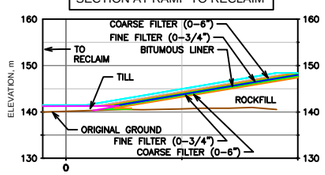
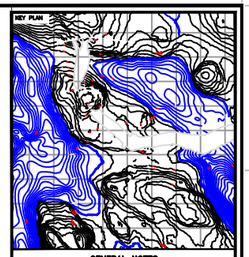


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

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TITLE	# DWG

REFERENCE DRAWINGS

NO.	DATE	DESCRIPTION	BY	APP.	CLIENT
0	Feb. /12	As Built Drawings	TD		

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
SADDLE DAM 2
SECTIONS
AS BUILT 2011

DRAWN BY: T.DAHM	DATE: 2012/04/18
CHECKED BY: E.VOYER/T.LEPINE	
APPROVED BY:	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION / SHEET: 2 / 2

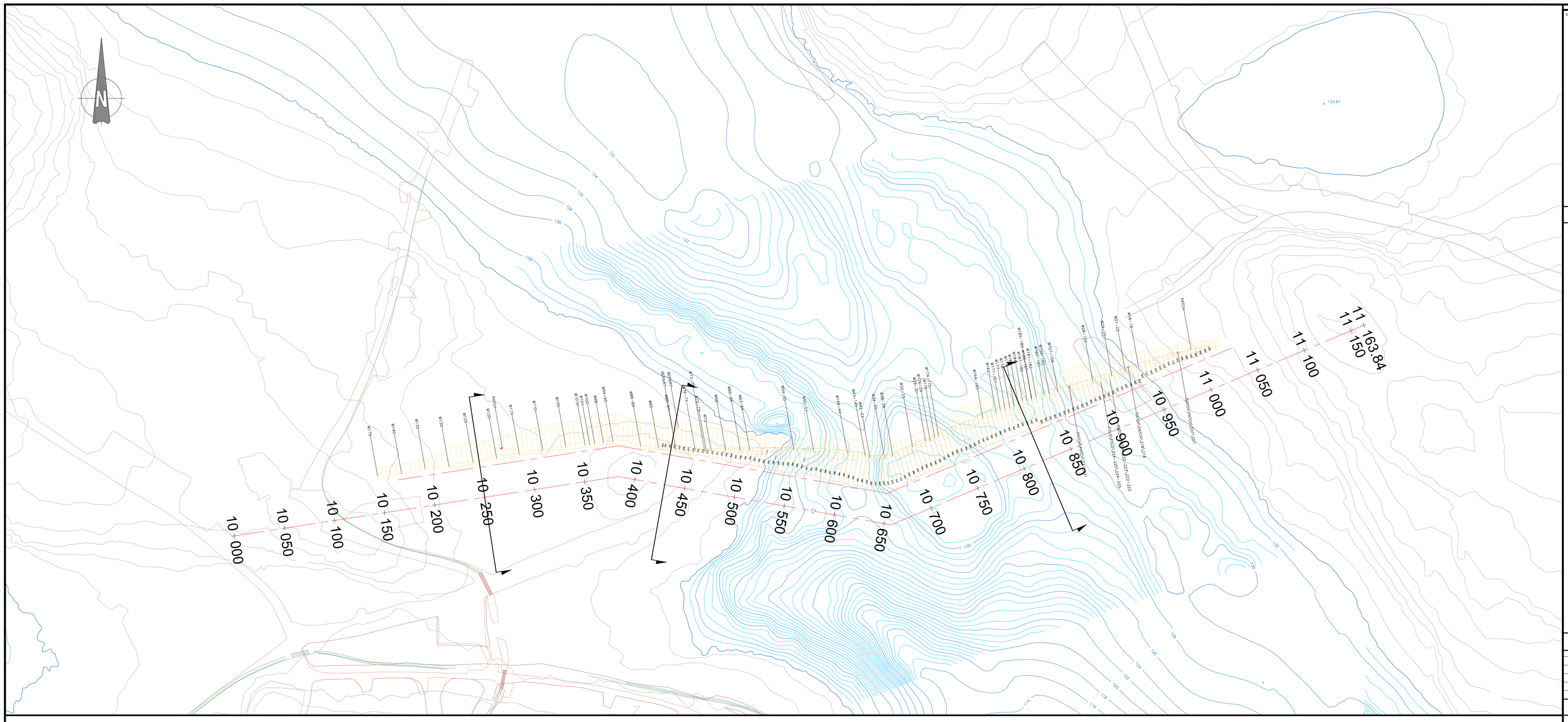
FILE NO. .DWG

X:\Saddle Dam 2\As-Built 2011\Copy As Built 2010\Xsections\ACAD\SD 2 AS-BUILT 2011 SECTIONS.dwg, 02 Jun 2013

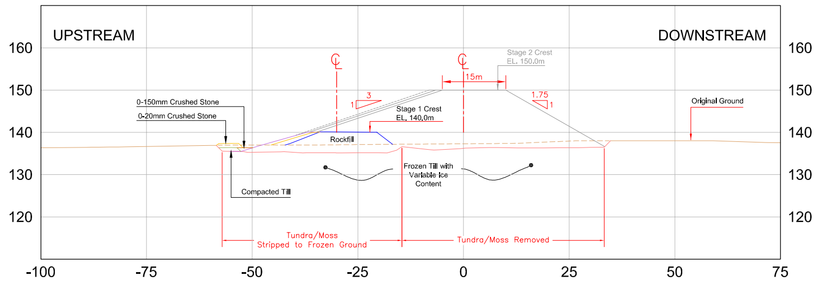
Stormwater Dike– As Built Drawings

DRAWING NO.

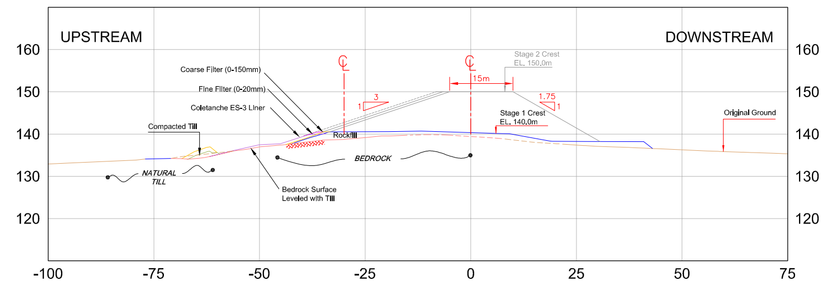
FORMAT ARCHD – LANDSCAPE



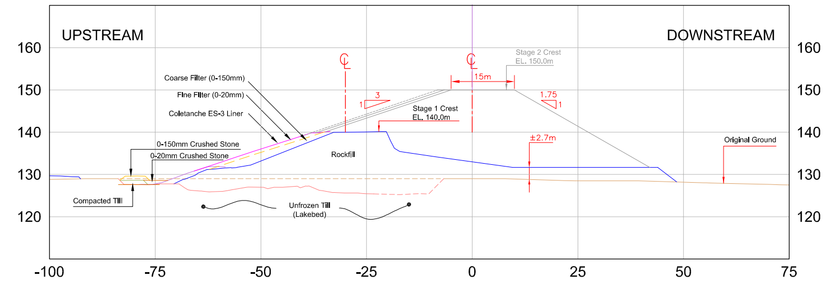
PLAN VIEW
Scale 1:2000



SECTION ST. 10+250
Scale: 1:1000



SECTION ST. 10+430
Scale: 1:1000



INSTRUMENTED SECTION ST. 10+820
Scale: 1:1000

KEY PLAN

GENERAL NOTES

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
TAILINGS STORAGE FACILITY
ENGINEERING
AS–BUILT SURVEY
STORMWATER DIKE – STAGE 1
PLAN AND SECTIONS

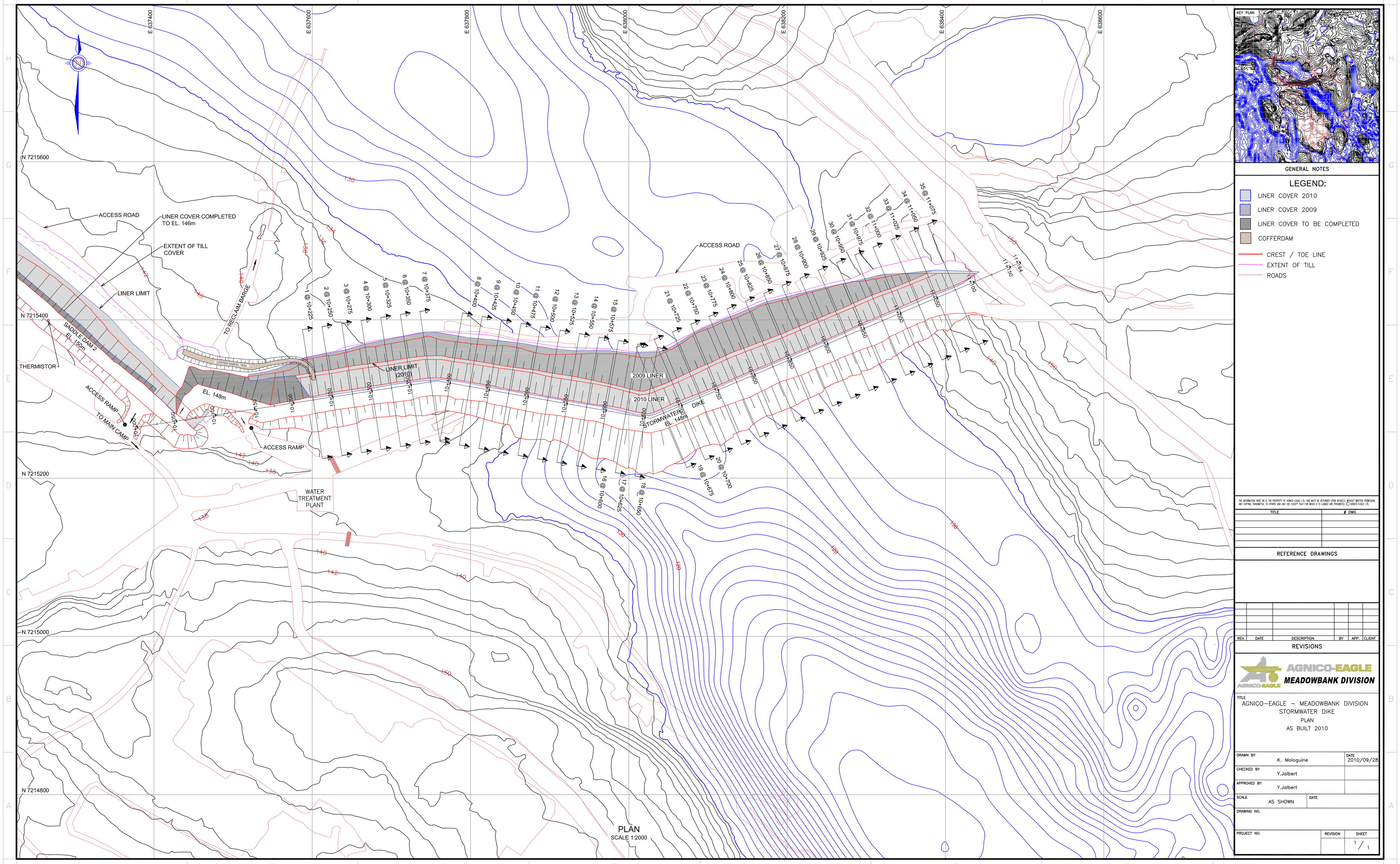
DRAWN BY	DATE 17/12/2009
CHECKED BY	
APPROVED BY	
SCALE AS SHOWN	DATE
DRAWING NO.	
PROJECT NO.	REVISION / SHEET 1 / 1

U:\DIKES\STORMWATER DIKE\AS–BUILT DWG\SWD–STORMWATER DIKE AS–BUILT.dwg, 17 Dec 2009

FILE NO.

DRAWING NO.

FORMAT ARCHD–LANDSCAPE



KEY PLAN

GENERAL NOTES

LEGEND:

- LINER COVER 2010
- LINER COVER 2009
- LINER COVER TO BE COMPLETED
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
PLAN
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: AS SHOWN	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 1 / 1

X:\Stormwater Dike\AS–BUILT DWG\2010\Konstantin\ACAD\SWD AS–BUILT 2010 PLAN.dwg, 08 Dec 2010

FILE NO. .DWG

X:\Stormwater Data\AS-BUILT DWG\2010\Kanaaminn\MXD\SWD AS-BUILT 2010 ALTERNATIVE PLAN.dwg, 08 Dec 2010

FILE NO. .DWG

SECTIONS

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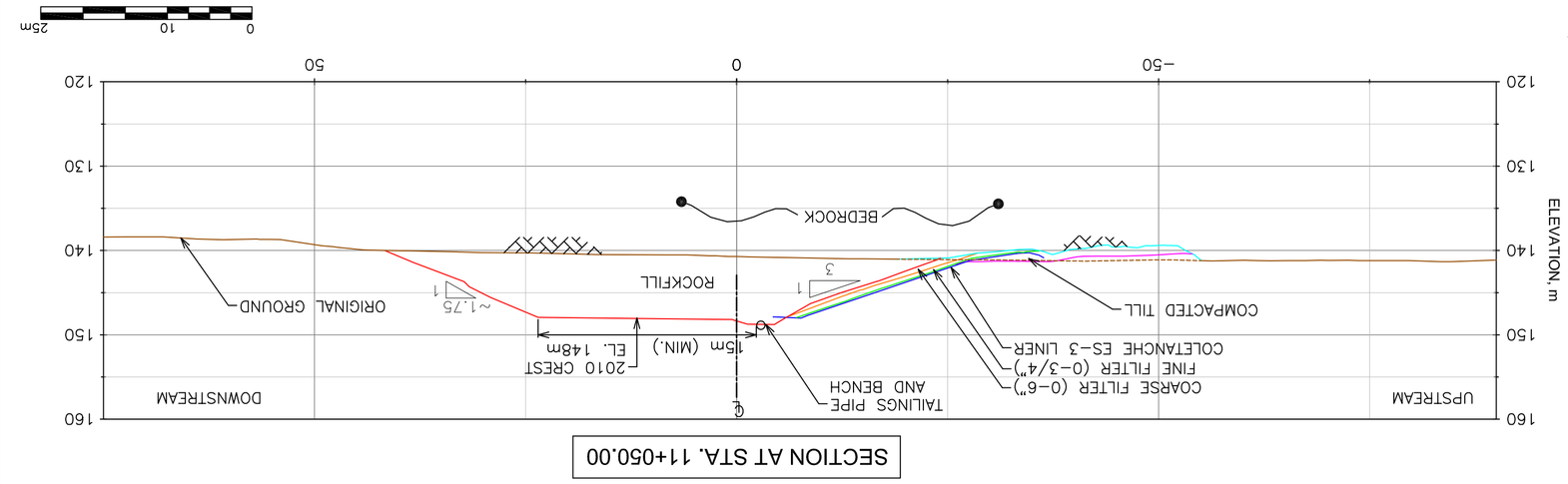

PLAN

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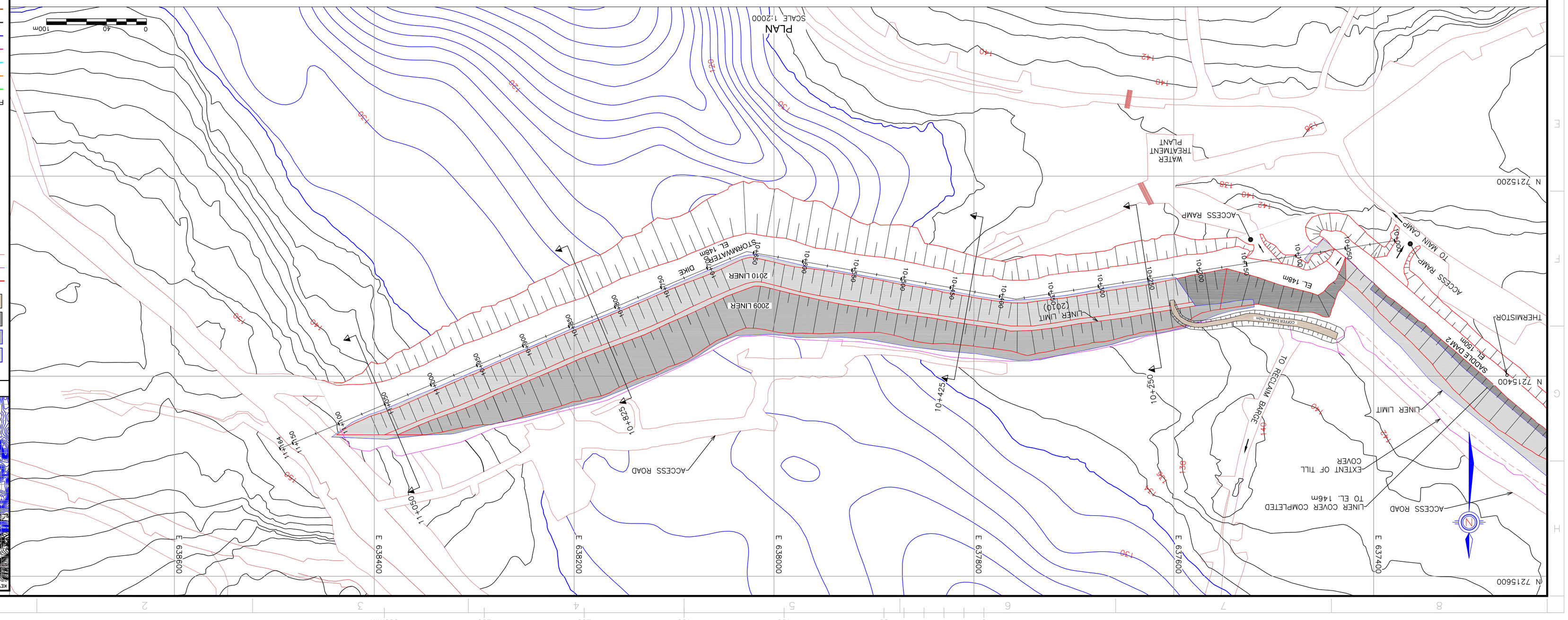

FOR SECTIONS:
- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- GEOTEXTILE
- ORIGINAL GROUND
- ROCKFILL
- TILL

GENERAL NOTES

LEGEND:
- LINER COVER 2010
- LINER COVER 2009
- LINER COVER TO BE COMPLETED
- COFFERDAM
- CREST / TOE LINE
- EXTENT OF TILL
- ROADS

REFERENCE DRAWINGS	
TITLE	# DWG

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REVISIONS					
REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO-EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
PLAN
AS BUILT 2010

DRAWN BY	K. Mologuine
DATE	2010/09/28
CHECKED BY	Y.Jolibert
APPROVED BY	Y.Jolibert
SCALE	AS SHOWN
DATE	
DRAWING NO.	
PROJECT NO.	
REVISION	
SHEET	1 / 1

FORMAT ARCHD-LANDSCAPE

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

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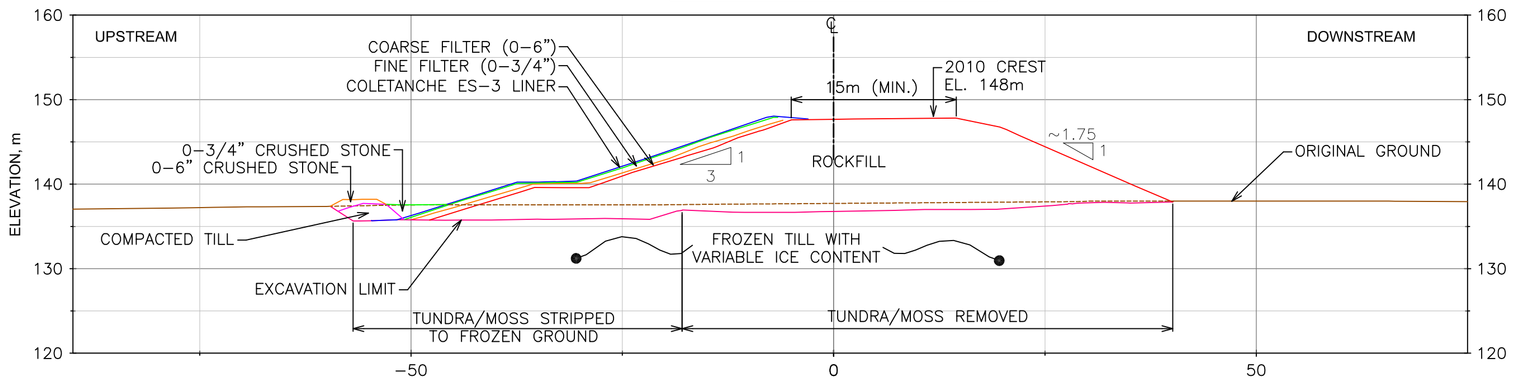

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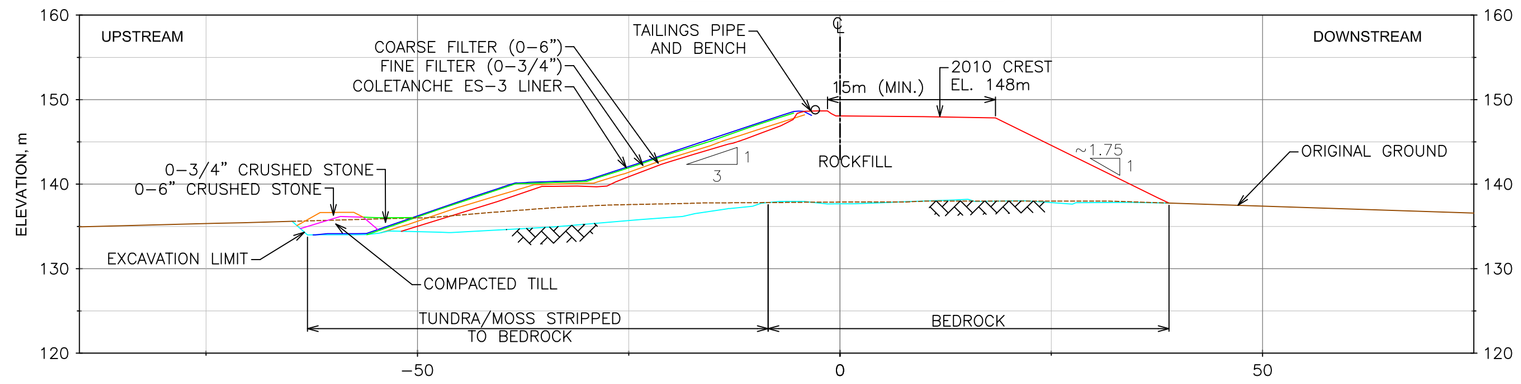

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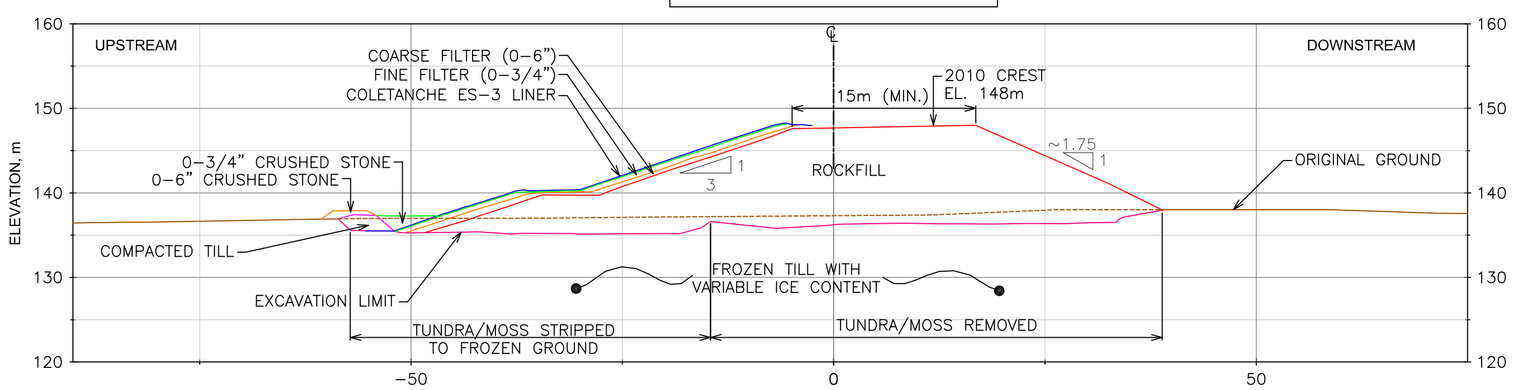

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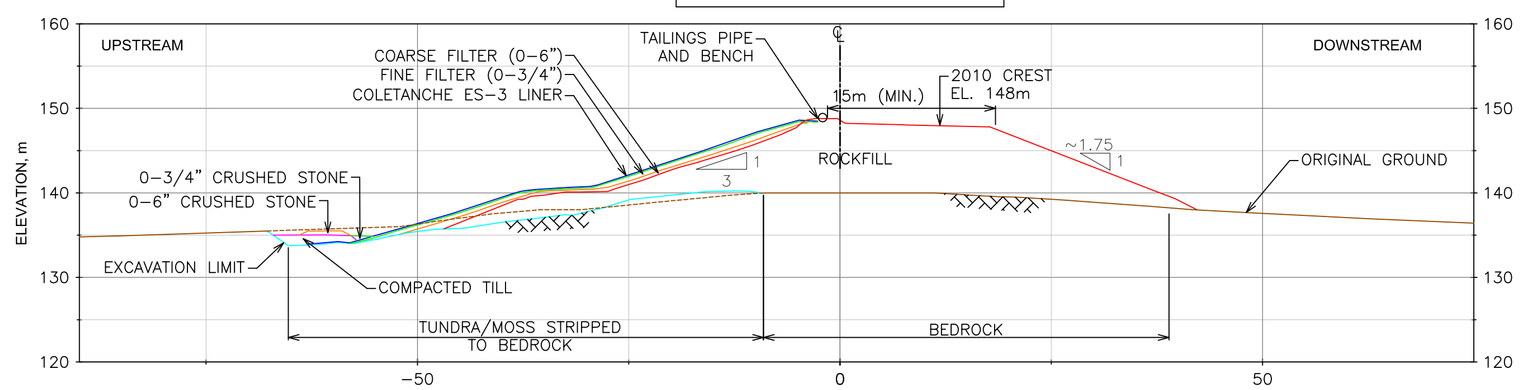

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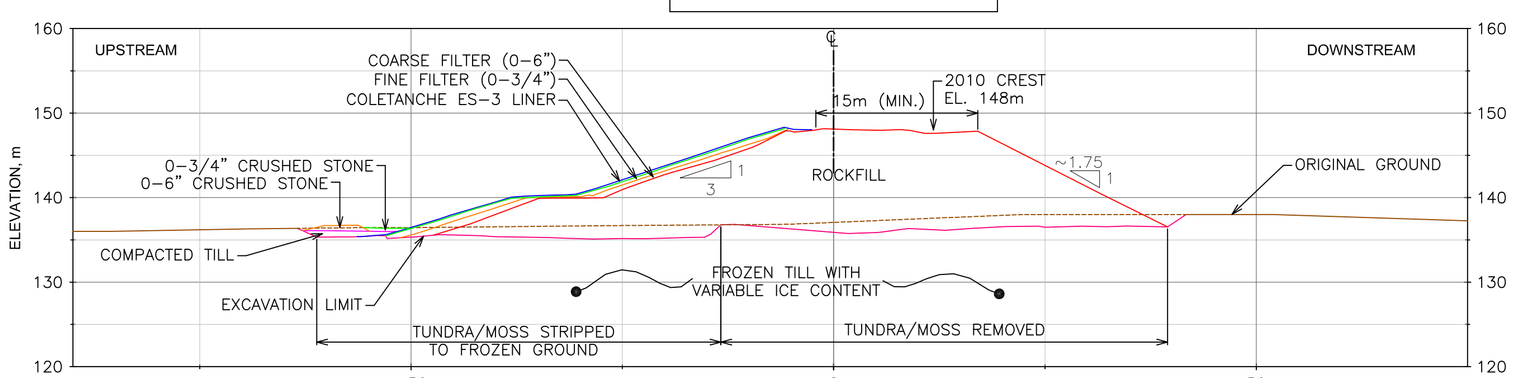

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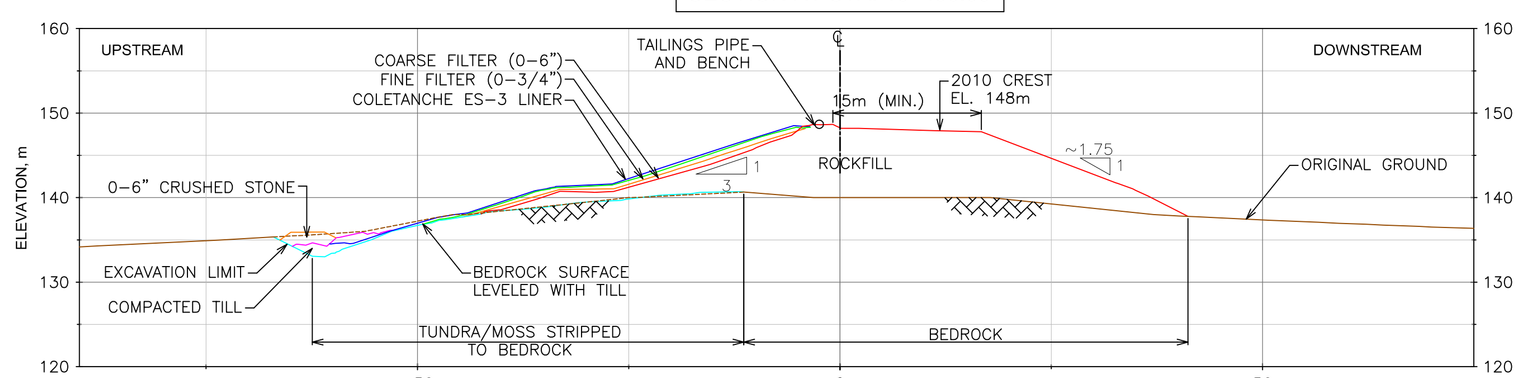

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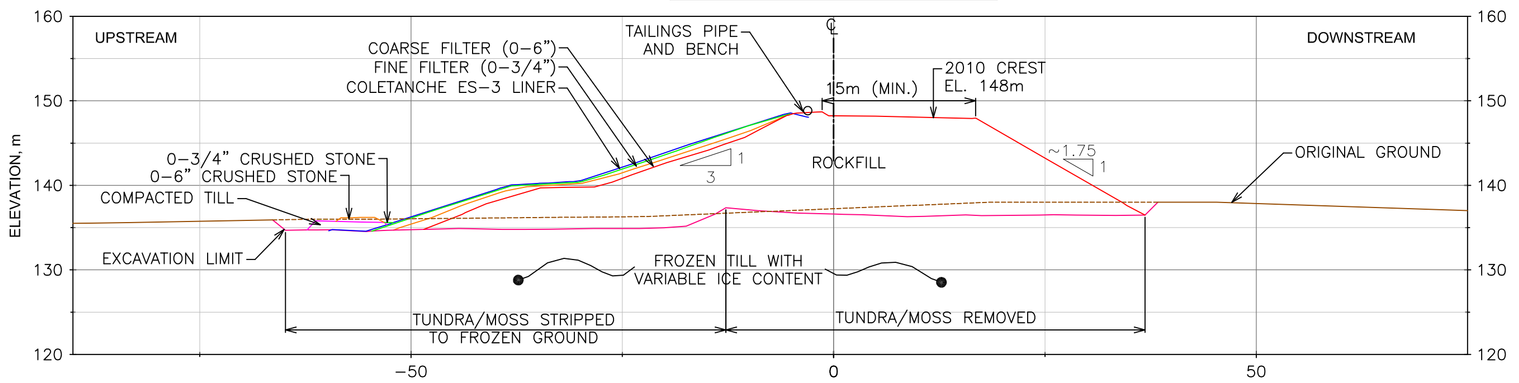

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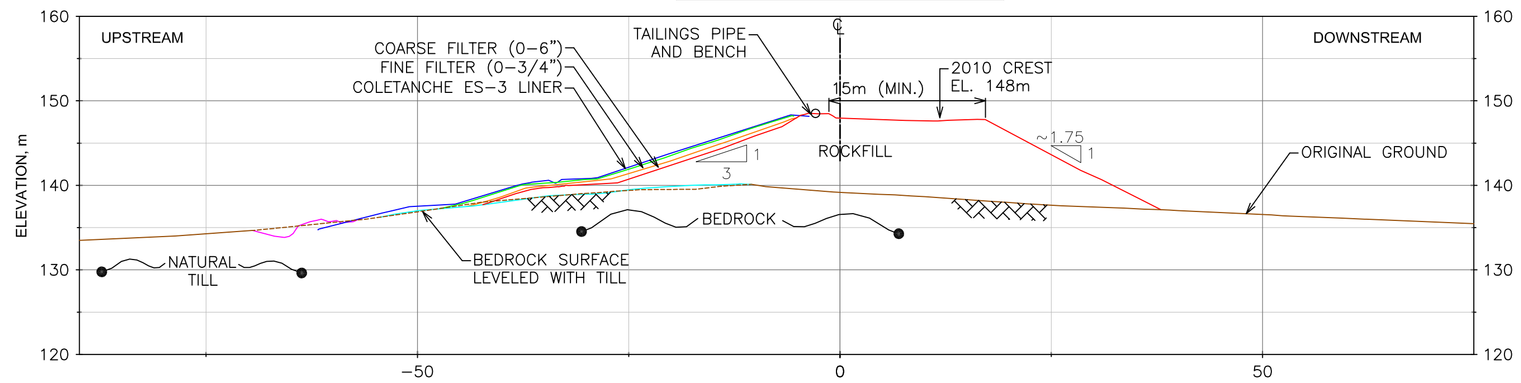

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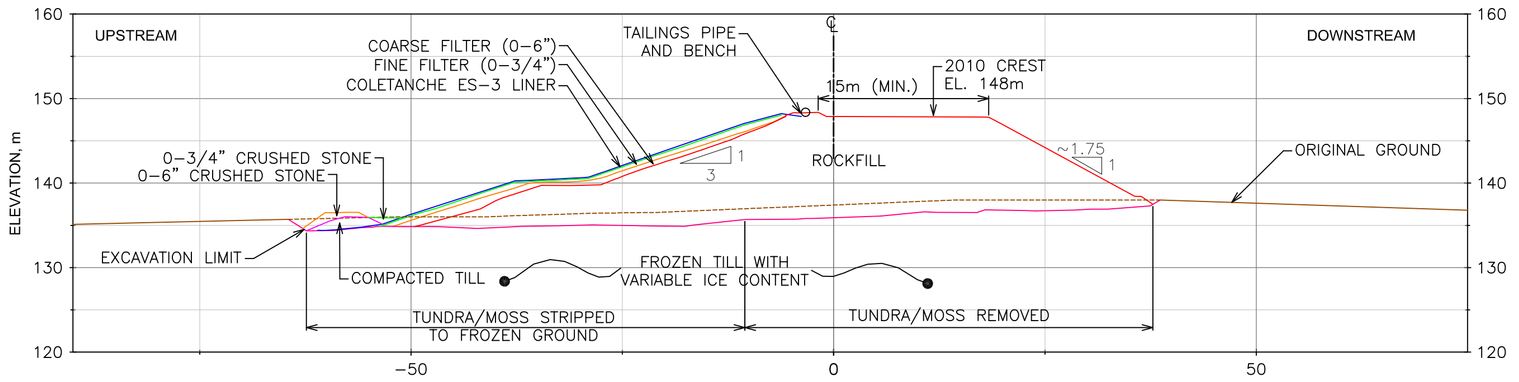

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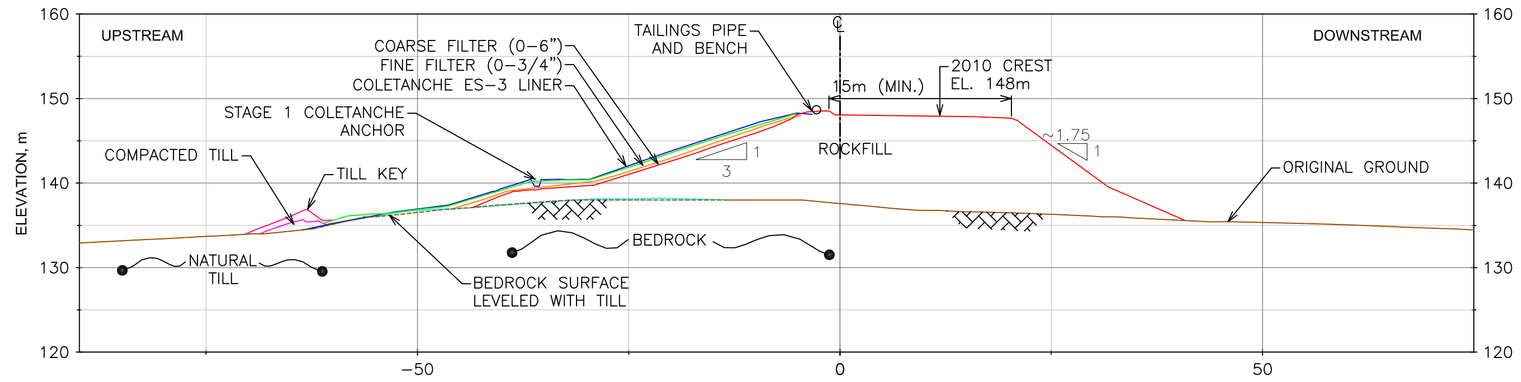
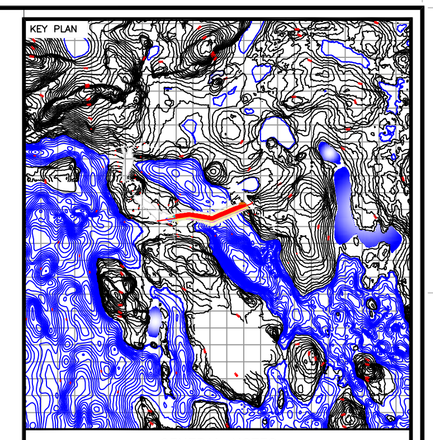


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- ORIGINAL GROUND
- ROCKFILL
- TILL
- KEY

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 1 / 4

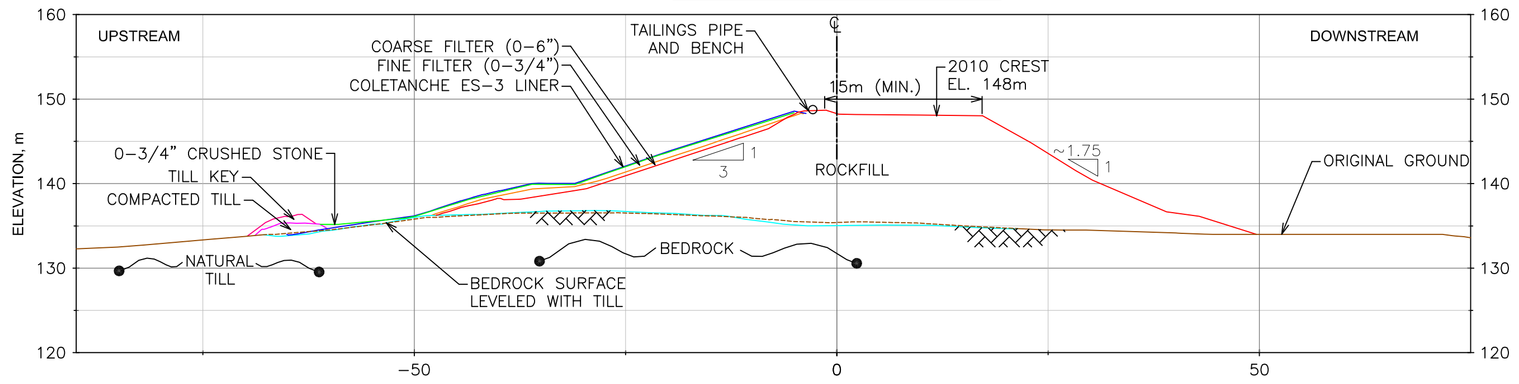
C:\Meadowbank (Konstantin)\Stormwater dyke\SWD AS–BUILT 2010 SECTIONS.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

SECTION AT STA. 10+475.00



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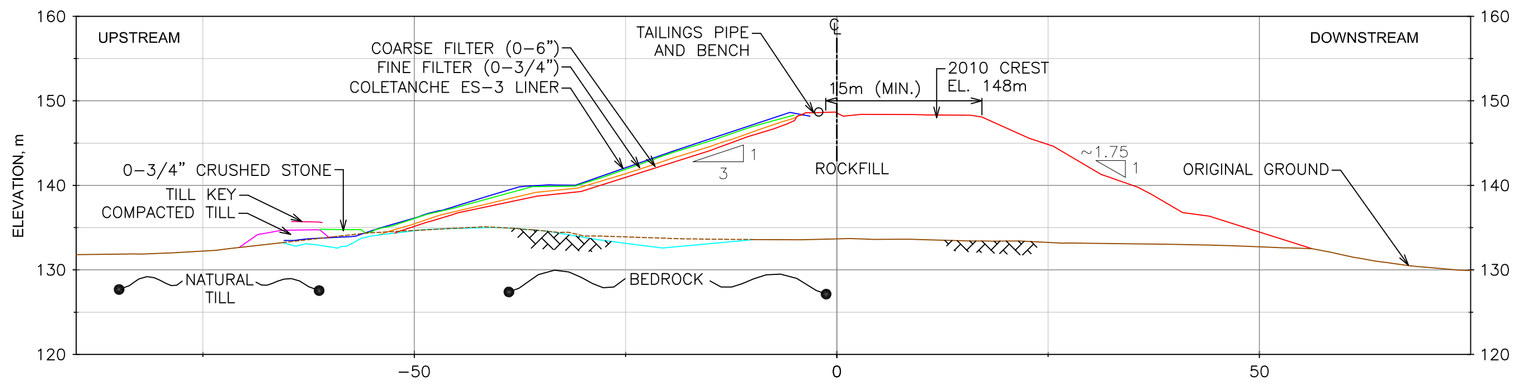

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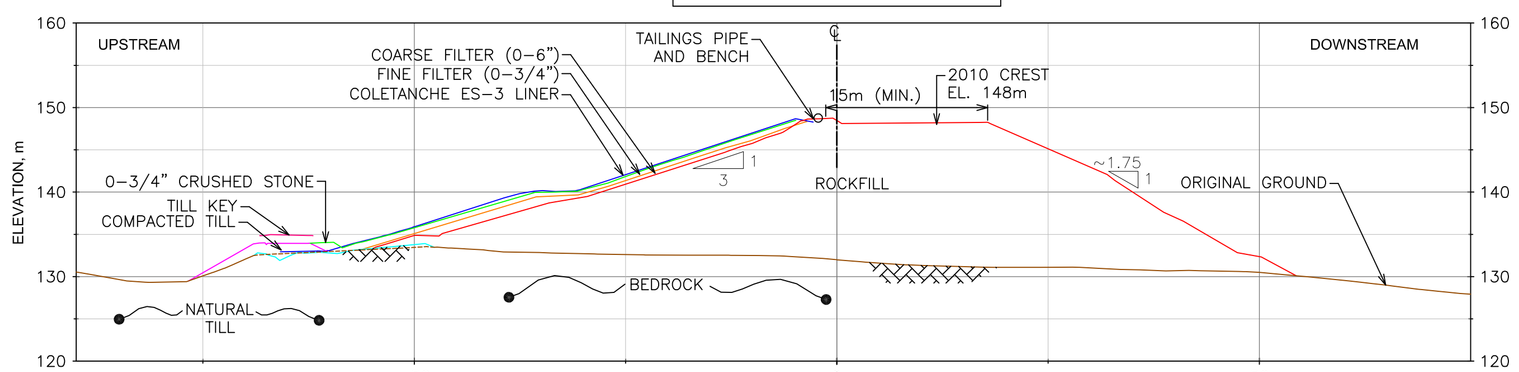

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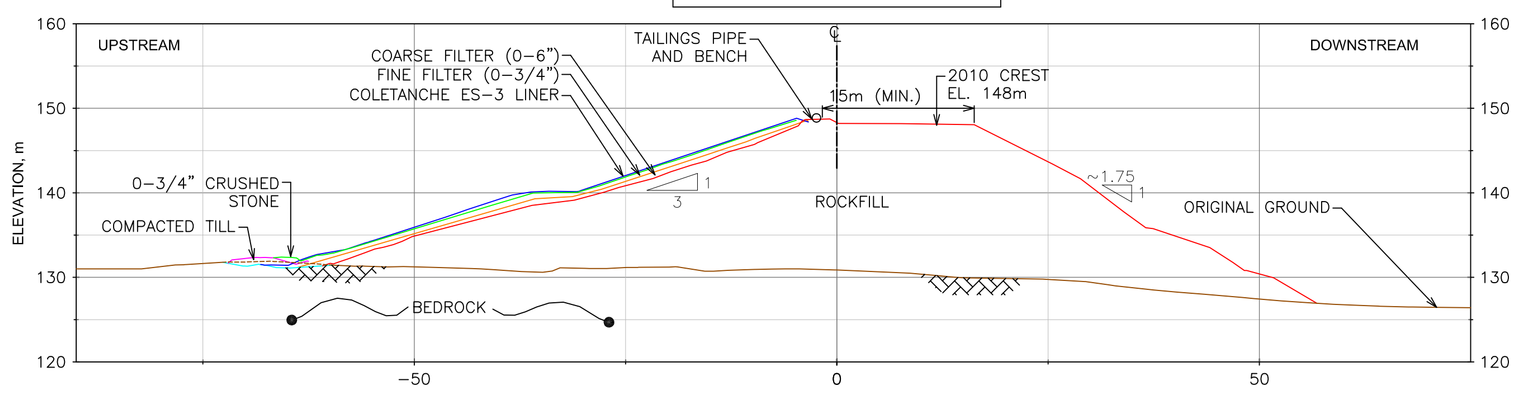

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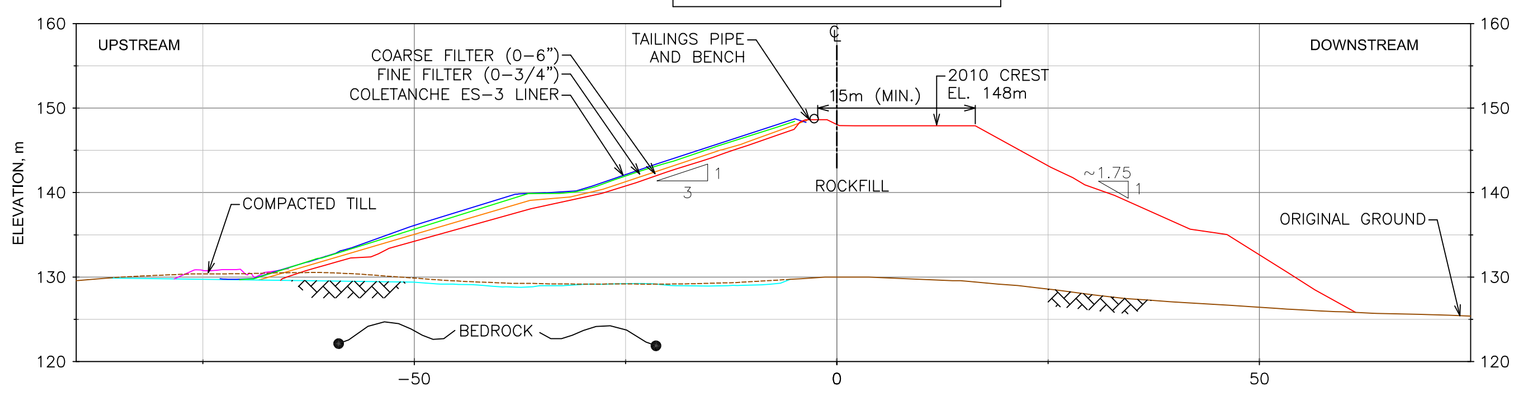

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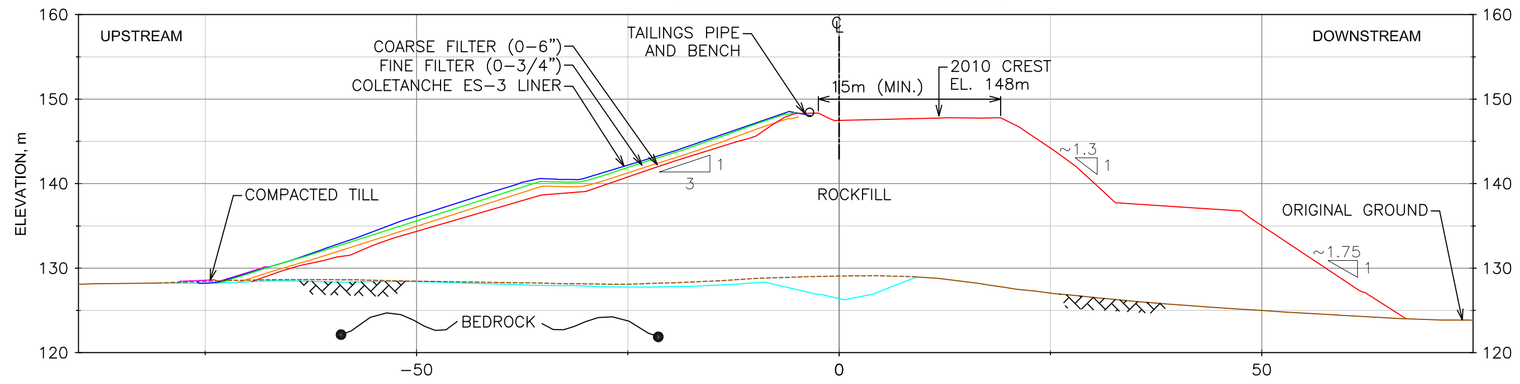

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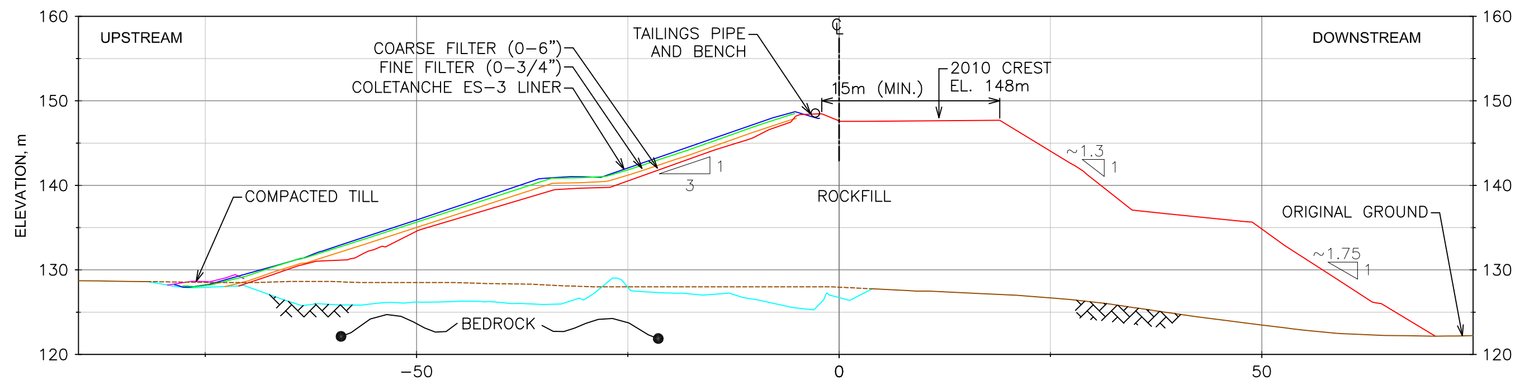

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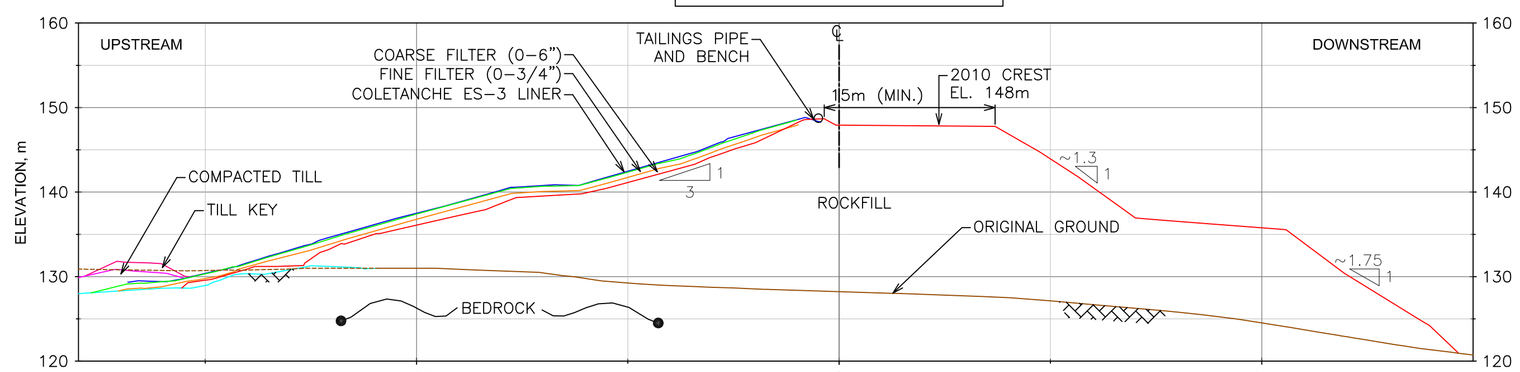

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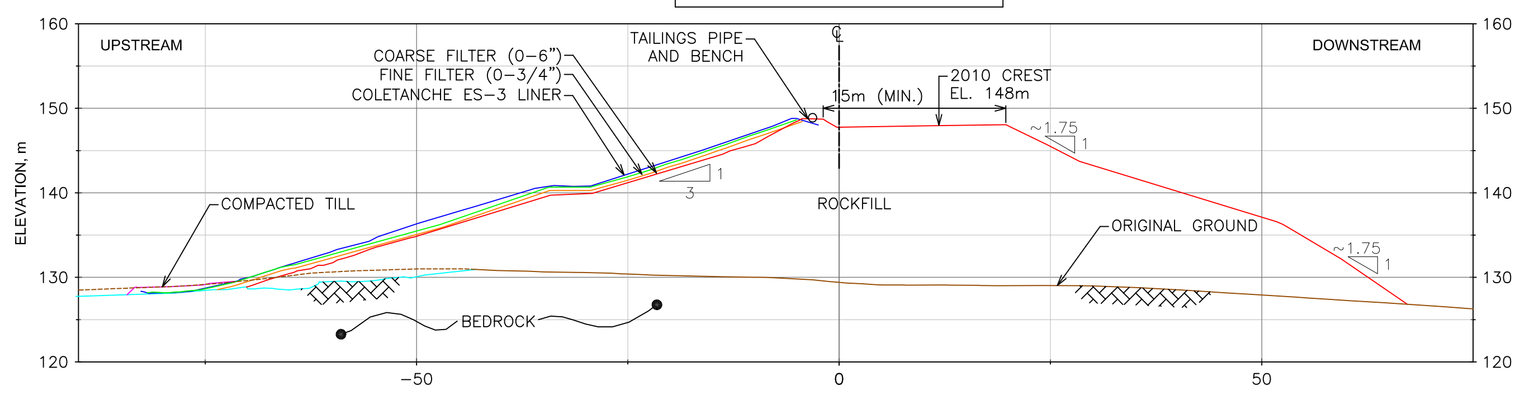

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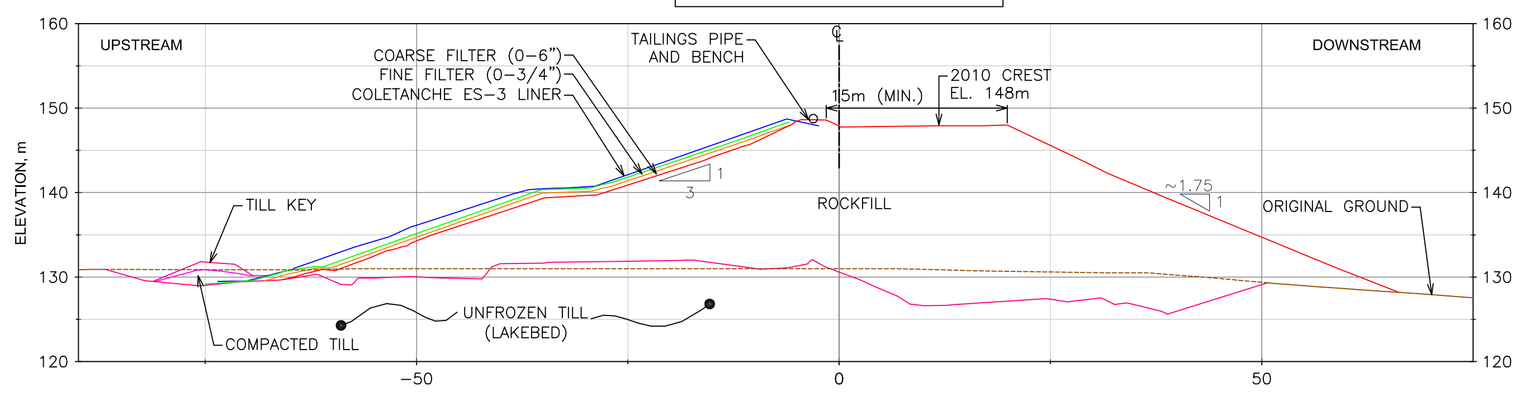
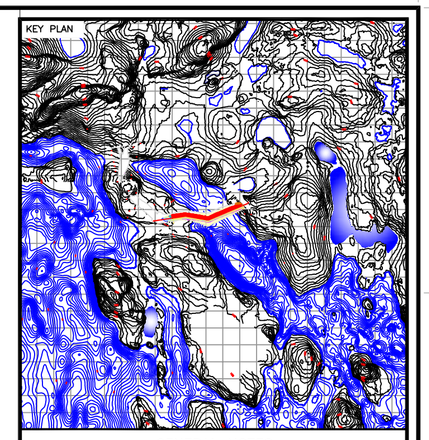


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- ORIGINAL GROUND
- ROCKFILL
- TILL
- KEY

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 2 / 4

C:\Meadowbank (Konstantin)\Stormwater dyke\SWD AS–BUILT 2010 SECTIONS.dwg, 07 Dec 2010

FILE NO. .DWG

DRAWING NO.

FORMAT ARCHD–LANDSCAPE

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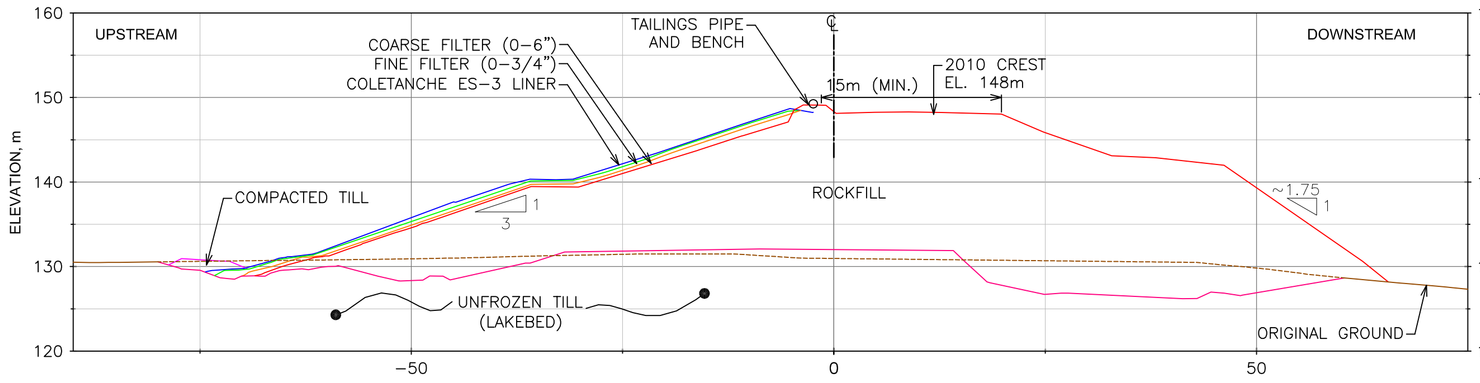
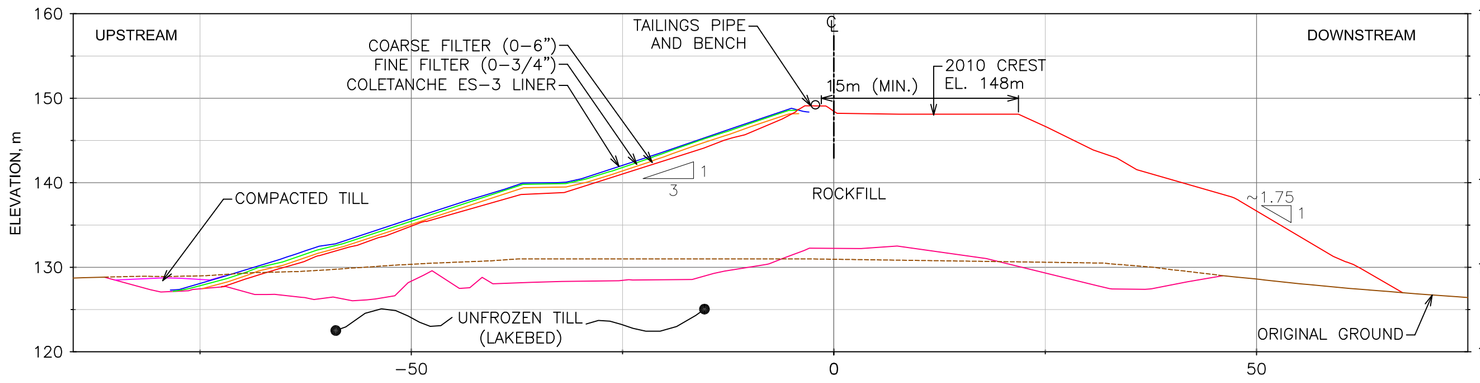


SECTION AT STA. 10+750.00



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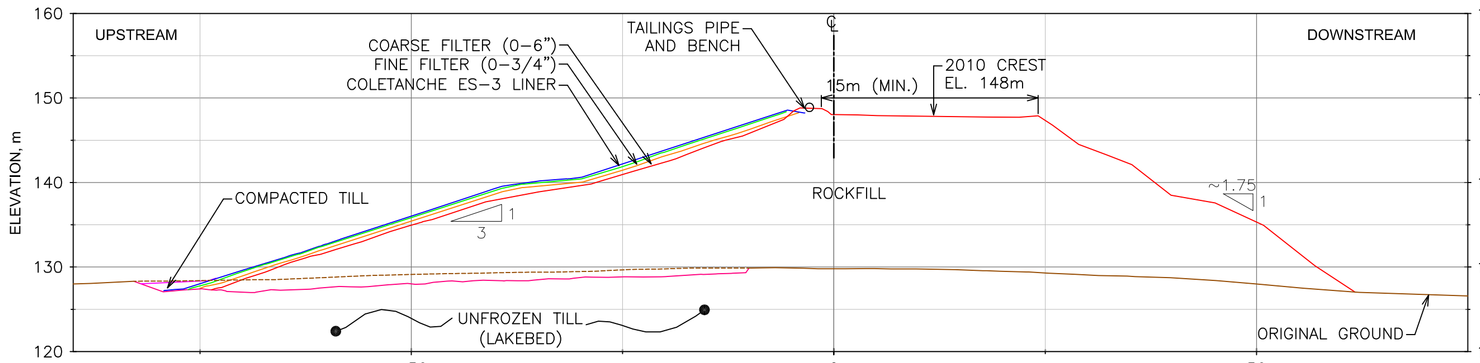

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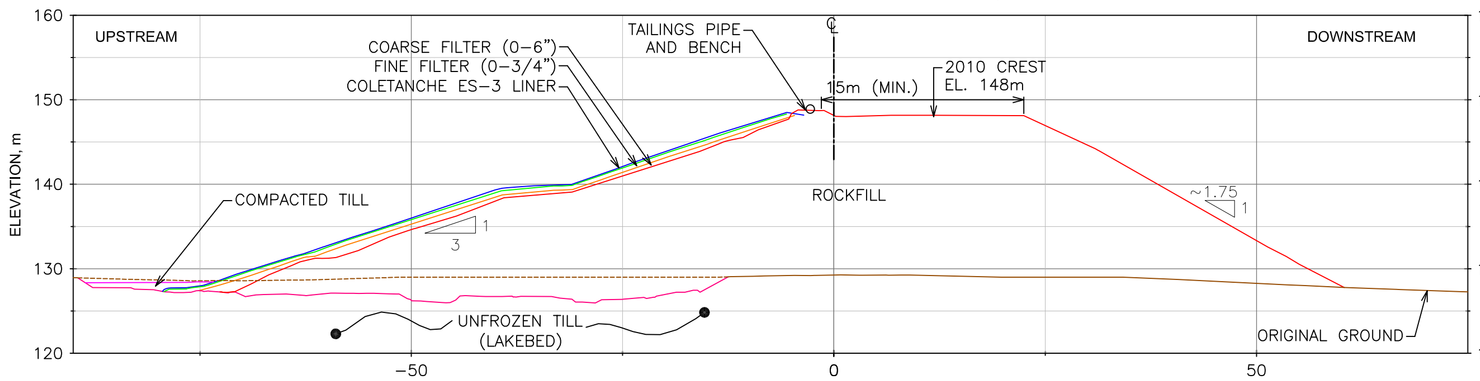

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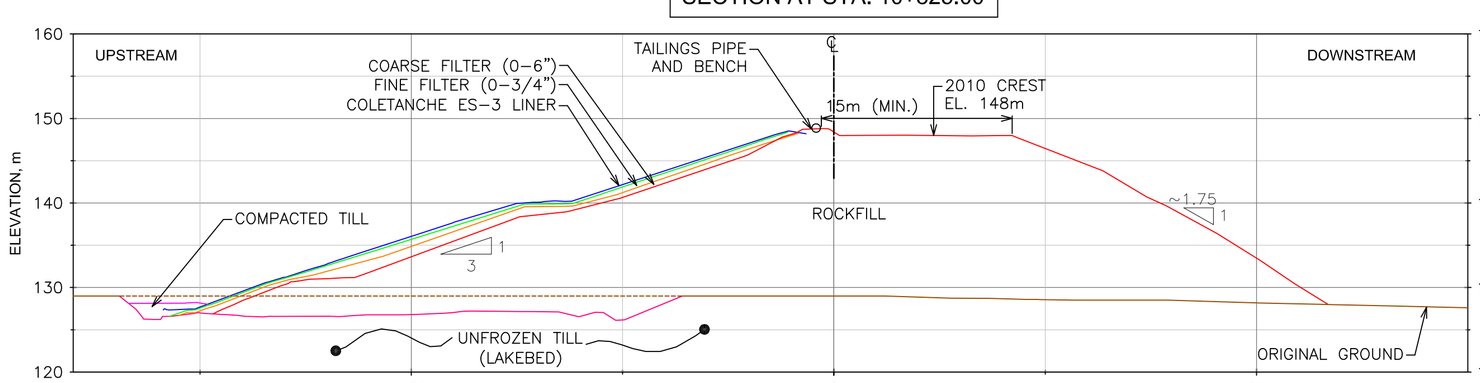

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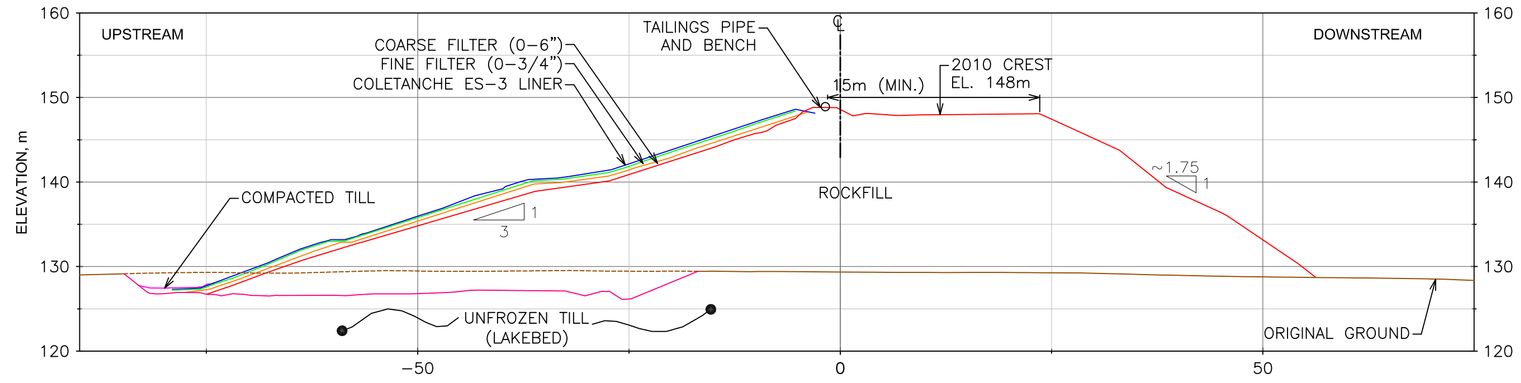

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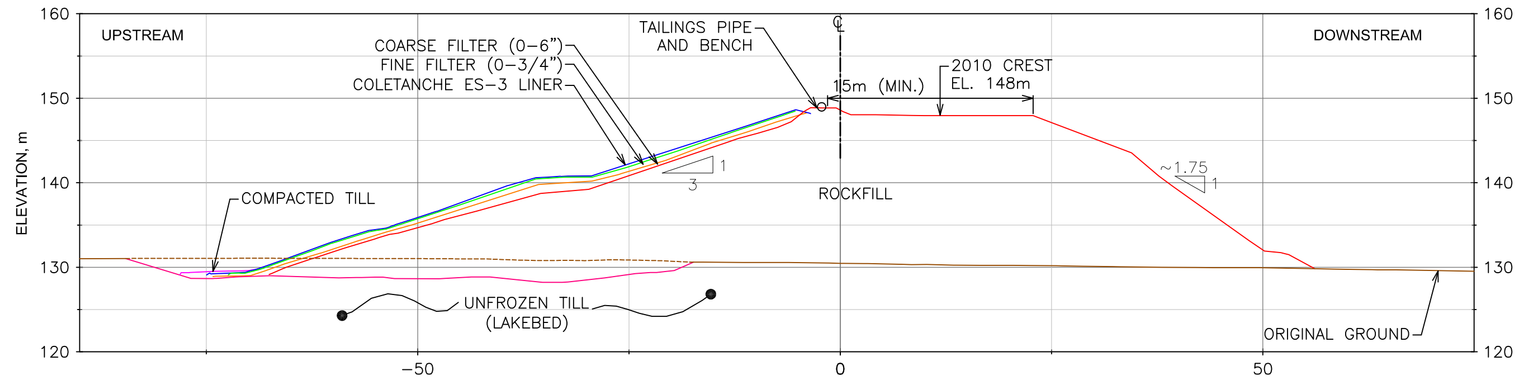

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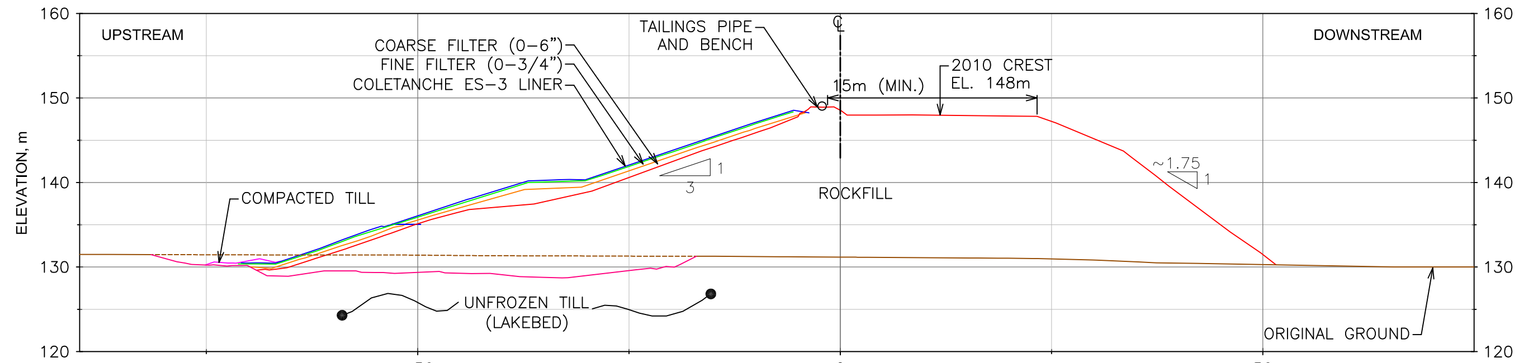

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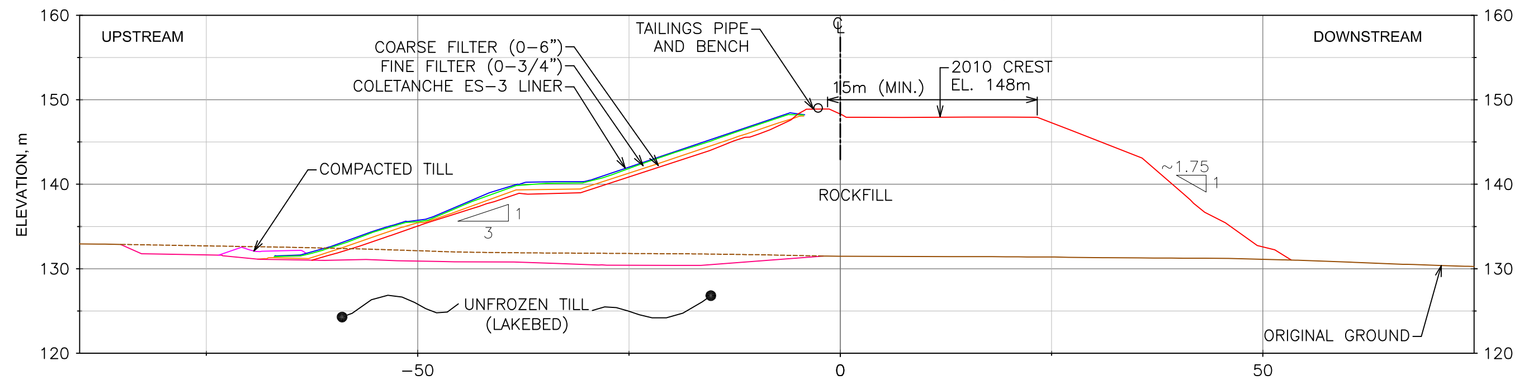

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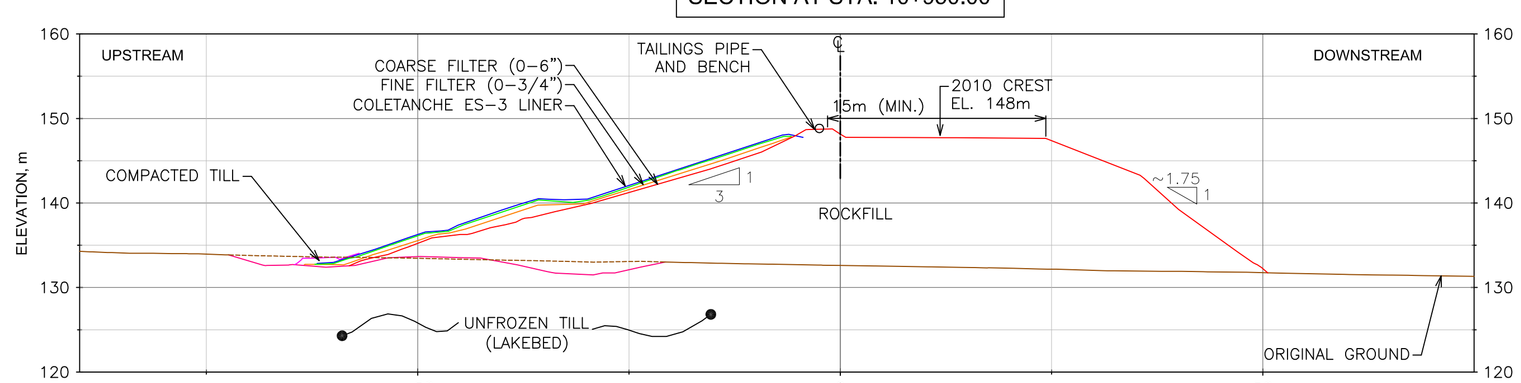
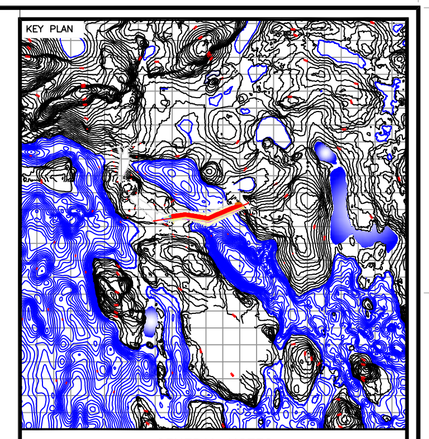


KEY PLAN



GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- ORIGINAL GROUND
- ROCKFILL
- TILL
- KEY

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

REVISIONS

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
SECTIONS
AS BUILT 2010

DRAWN BY: K. Mologuine	DATE: 2010/09/28
CHECKED BY: Y.Jalbert	
APPROVED BY: Y.Jalbert	
SCALE: 1:500	DATE:
DRAWING NO.	
PROJECT NO.	REVISION: / SHEET: 3 / 4

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FILE NO. .DWG

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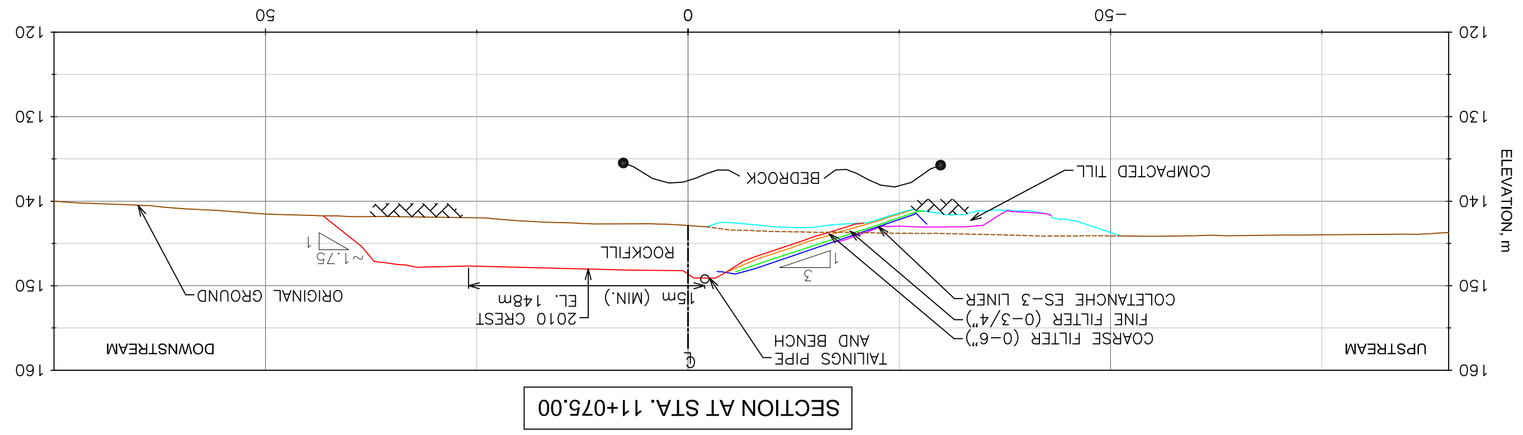
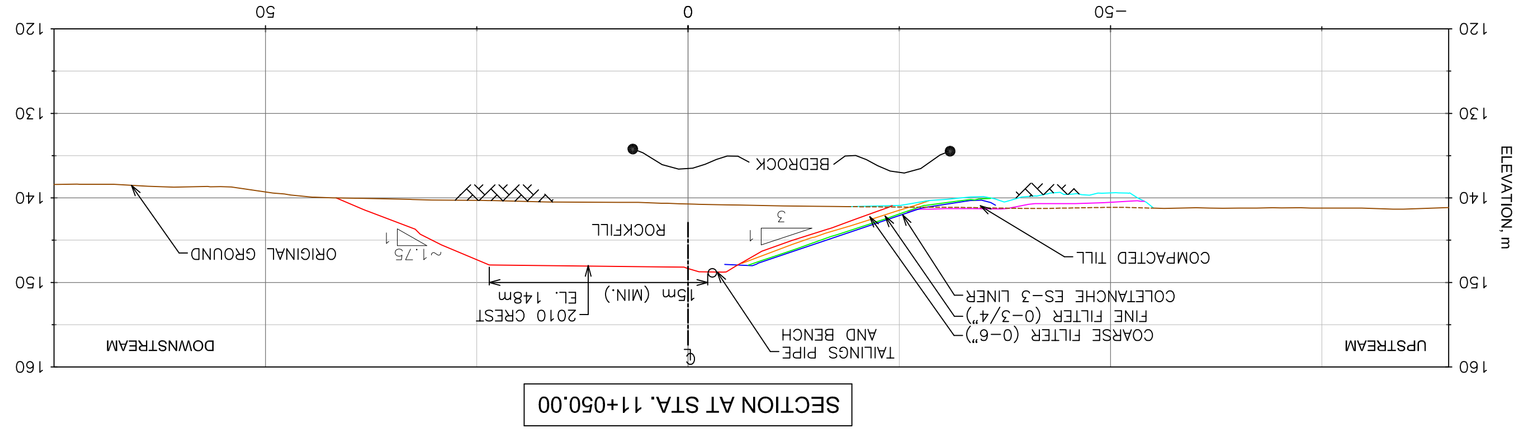
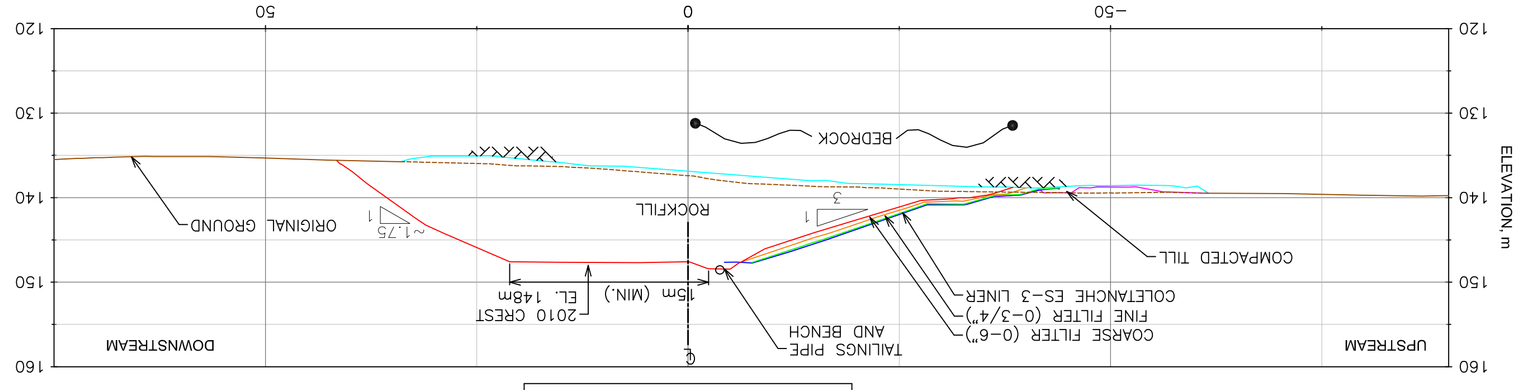
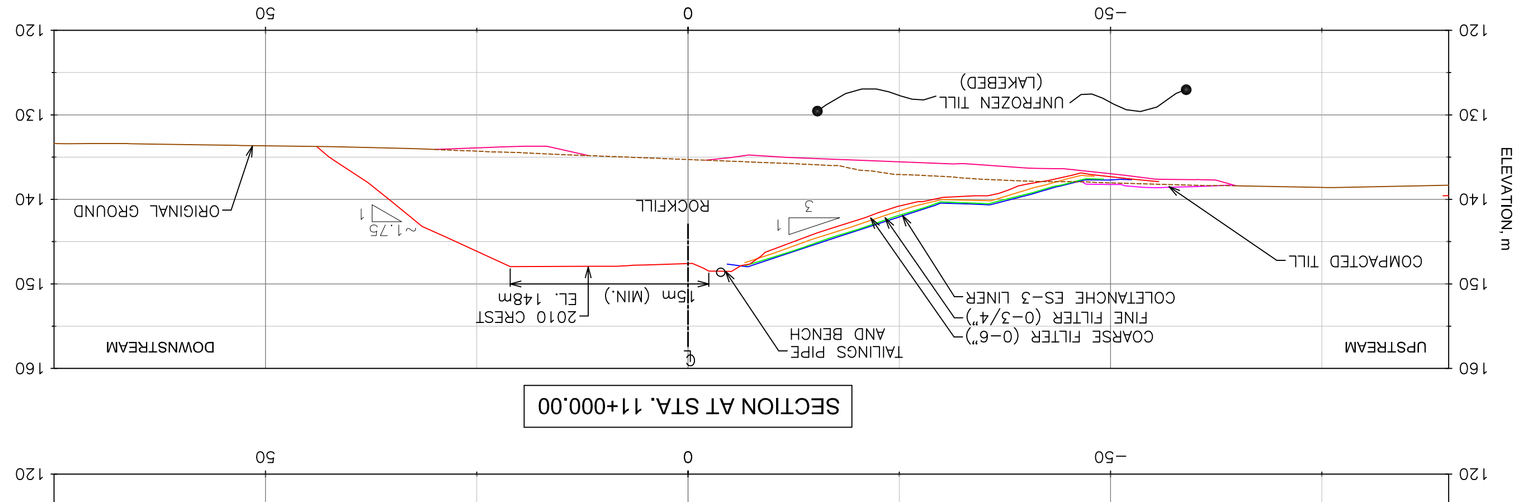
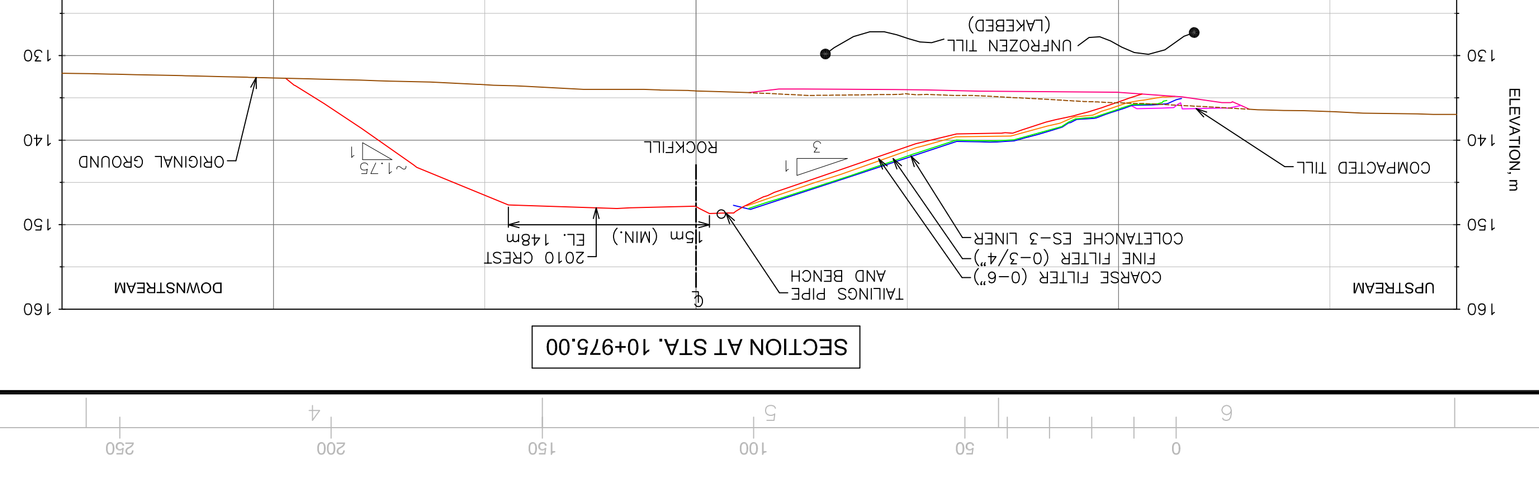






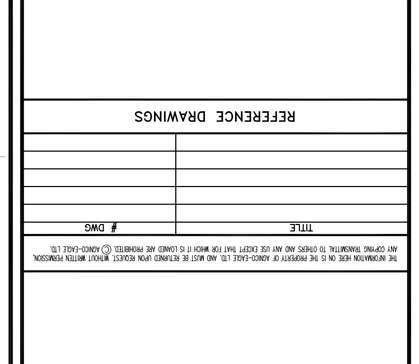




GENERAL NOTES

LEGEND

- FINE FILTER
- COARSE FILTER
- BEDROCK
- FOUNDATION
- LINER
- ORIGINAL GROUND
- ROCKFILL
- TILL
- KEY



REFERENCE DRAWINGS	
TITLE	# DWG

REVISIONS					
REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

AGNICO-EAGLE
MEADOWBANK DIVISION

TITLE
AGNICO–EAGLE – MEADOWBANK DIVISION
STORMWATER DIKE
SECTIONS
AS BUILT 2010

DRAWN BY	K. Mologuine
DATE	2010/09/28
CHECKED BY	Y.Jolibert
APPROVED BY	Y.Jolibert
SCALE	1:500
DATE	
DRAWING NO.	
PROJECT NO.	
REVISION	
SHEET	4 / 4

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FORMAT ARCHD–LANDSCAPE

0 50 100 150 200 250 300mm

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