



**AGNICO EAGLE**

MEADOWBANK MINE

# Construction Monitoring Report

## Airstrip Extension

---

MAY 2013

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**Document Control**

Version	Date	Section	Page	Revision
V1	May 31	All	All	

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**Approved by:**

Kevin Buck- Environment Superintendant

## 1 INTRODUCTION

### 1.1 Background

On January 27, 2013, Agnico Eagle Mines: Meadowbank Division (AEM), sent a letter with supporting information entitled “Meadowbank Mine: Airstrip Expansion- NWB Modification Application” (AEM, 2013) to the NWB to modify NWB license 2AM-MEA0815 under Part G to include an expansion of the airstrip. On February 15, 2013, the NWB distributed AEM’s submission to interested parties for a fifteen (15) day review. The NWB received comments and approved the modification (Motion No. 2012-B1-019) and AEM was advised to follow the conditions in the letter, supporting information and Type A License accordingly.

On April 6th, 2013 AEM completed the extension of the airstrip from 1,495m x 45m to 1,752m x 45m, to accommodate a Boeing 737. This required an extension to the north end by approximately 18m beyond the ordinary high water mark of Third Portage North. On April 30<sup>th</sup>, 2013, the first Boeing 737 landed and departed from the Meadowbank mine site.

### 1.2 NWB Concordance

The following document fulfills the requirements of Part D of the license which requires the submission of as-built drawings and summary of the construction monitoring according to NWB License 2AM-MEA0815 Part D item 26. The Licensee shall submit a Construction Summary Report to the Board, within ninety (90) days following the completion of each structure designed to contain, withhold, divert or retain Waters or Wastes. The Construction Summary Report shall be prepared by a qualified Engineer(s) in accordance with Schedule D, Item 1 (see Table 1.1).

**Table 1.1 –Construction Monitoring Report Requirements**

Conformity	
Schedule D Item 1 - The Construction Monitoring Report referred to in Part D Item 26 shall include:	
a) A summary of construction activities including photographic records before, during and after construction;	Section 2.1 pg. 5 Appendix A
b) As-built drawings;	Appendix B.
c) Documentation of field decisions that deviate from original plans and any data used to support these decisions;	Section 2.2 pg. 5 Section 3.2.5 pg 8 Appendix A

<b>Conformity</b>	
d) Discussion of mitigation measures implemented during construction and effectiveness;	Section 3.3 pg 8 Section 4 pg 12
e) Monitoring undertaken in accordance with Part D;	Section 3.2 pg 6, Section 3.3 pg 8 Section 3.4 pg 9
f) Blast vibration monitoring for quarrying activity carried out in close proximity to fish bearing waters; and	Section 3.2.4 pg 8
g) Monitoring for sediment release from construction areas.	Section 3.2 pg 6 and Section 3.3 pg 8

### **1.3 Location of Construction Activity**

The airstrip expansion into Third Portage Lake is located at 65° 01'44" N and 96° 05'19" W. (see Figure 1.1).

## **2 CONSTRUCTION ACTIVITIES**

### **2.1 Summary of Construction Activity**

Construction of the in-water portion began on March 21<sup>st</sup>, with much of the material stock piling and field preparation already in place. All fill material used for construction of the airstrip extension was non-potentially acid generating and non-metal leaching as per Part D Item 8 of the NWB license. As per Part D Item 23 and 25, daily inspections for QA/QC were completed and supervised by Stavibel, a qualified engineering firm, and AEM environment technicians to ensure the AEM (2013) airstrip extension plan was followed, and that construction activities were not creating unexpected erosion. Ice was removed and selected material cobble and boulder material (100- 1000mm or 0-1000mm) was used to construct the base of the airstrip according to the original plan. Crushed material was applied and compacted as per engineered plans.

Photos of the construction activities and a construction report are provided in Appendix A.

### **2.2 Plan Changes or Deviations**

In accordance with Part G, Item 4, as built plans and drawings of the airstrip extension are provided in Appendix B. There were few minor deviations from the originally construction plan presented in AEM (2013). Culverts, originally intended for placement and crossing of dewatering pipes on the East side of the airstrip were not installed, rather the pipes were

moved to another location. Originally culverts were proposed for drainage on the west side of the airstrip. Instead, clean course material was placed to allow for ephemeral water drainage. Compacted rockfill thickness and material changed slightly from the original plan and mitigation will be implemented as required during spring-time. None of these changes were significant deviations from the original plan. All deviations or modifications are presented in the construction report found in Appendix A.

### **3 MONITORING**

#### **3.1 Construction Methods Minimized TSS Disturbance during the Airstrip Expansion**

A small portion of the airstrip extension was within the ordinary high water mark of Third Portage Lake thus construction methods were: adapted to minimize the potential introduction and disturbance of TSS, conducted under frozen conditions to prevent TSS spreading by wind currents and TSS monitoring as conducted. Overall operations described in AEM (2013) were followed and as a result there was no risk to fish and fish habitat.

#### **3.2 Methods**

##### **3.2.1 TSS Monitoring**

As per the Plan submitted with AEM's Modification request, moving, water quality monitoring stations were established approximately 50m (or as close as safety permits) from the front portion of the airstrip expansion platform which extends slightly into Third Portage Lake (TPL).. TSS was sampled at all monitoring stations on a daily basis. The final stations are presented in Figure 2.1.

As per AEM's Dike Dewatering and Monitoring Plan the maximum average concentration and maximum concentration of any grab sample for Total Suspended Solids followed NWB Type A Water License, Part D, Item 23 for the airstrip expansion construction monitoring (Table 3.1).

**Table 3.1: Part D Item 24 - Maximum allowable TSS concentrations during construction of any facilities**

<b>Parameter</b>	<b>Maximum Monthly Mean (mg/L)</b>	<b>Maximum Concentration of Any Grab Sample (mg/L)</b>
Total Suspended Solids	50	100

During this activity, AEM was committed to proactive, immediate and effective response to any potential TSS exceedance. As a result the monitoring program was designed to provide quick feedback which is based on the previously developed relationship between turbidity and TSS, that allows the use of turbidity as a surrogate for TSS to obtain real-time results. The resulting linear regression was used during construction monitoring based on a larger database of data:

$$\log_{10}(\text{turbidity}) = 0.62196 + (0.95619 * \log_{10}(\text{TSS})) [p < 0.001; r^2 \text{ adj} = 0.81]$$

where turbidity is measured in NTUs in the field using an Analite NEP 160 meter, and TSS is measured in the lab as mg/L. The TSS-turbidity relationship was developed using paired data collected across a range of TSS sources and concentrations (more details can be found in the Azimuth memo TSS-Turbidity relationship Feb 2010 v3 (AEM, 2013)).

Background water chemistry samples (including TSS) levels were taken as part of Core Receiving Environment Monitoring Plan (CREMP) sampling in the 2012 fall and TSS were measured prior to construction at all airstrip extension monitoring stations a few weeks before the in water portion of the airstrip extension began. As per AEM (2013), TSS was determined during daily through turbidity monitoring and TSS samples were submitted weekly for all stations to an accredited external laboratory.

### **3.2.2 QA/QC**

All laboratory analysis during construction was completed by Multilab Direct in Rouyn-Noranda, Que. The results met laboratory QA/QC internal data quality objectives for precision and completeness. The certificates of analyses from Multilab are presented in Appendix C.

A total of four duplicate water samples were collected during the open water season; which is greater than the target of 10% duplicates for QA/QC purposes.

### **3.2.3 Equipment calibration**

Furthermore, to meet the QA/QC objectives, turbidity was measured using the approved McVan's Analite NEP160-3-05R portable turbidity meter/logger with a high sensitivity NEP260 90° probe. The meter was calibrated by qualified technicians and properly maintained following the manufacturer's instructions. Turbidity meters were calibrated before each

sampling event (i.e. daily, in most cases), using the manufactured specified calibration solution. No calibration errors were noted.

### **3.2.4 Blast Monitoring**

No additional blast vibration monitoring was required for the construction of the airstrip extension as quarry material was not taken from areas close in proximity to fish bearing waters. Blast vibration monitoring data for pit operations will be submitted annually as part of the NWB annual report to meet DFO guidance.

### **3.2.5 Plan Changes or Deviations**

No significant deviations were made to the construction monitoring plan presented in AEM (2013). Station IDs changed from SW-1 to SW-5, presented in AEM (2013) to ST-AS-1 to ST-AS-5. Monitoring stations SW1 and SW5 presented in the original plan were located in water that was frozen to the bottom; as a result sampling stations ST-AS-2, ST-AS-3 and ST-AS-4 were the only stations monitored for TSS. No other specifics related to construction monitoring deviated from AEM (2013).

## **3.3 Results and Discussion**

Data was collected at all routine monitoring stations on February 5, 2013 prior to the start of the work below the Third Portage Lake high water mark. Airstrip expansion TSS construction monitoring began on March 20, 2010, one day prior to construction. Routine turbidity monitoring was conducted once daily, weather permitting. Turbidity data indicated that the TSS concentrations at the routine monitoring stations did not exceed the NWB limits. All of the daily maximum TSS results by station and overall by day are presented in Table 3.2. The weekly laboratory results compared to the daily monitoring are presented in Table 3.3. Laboratory certificate of analyses are found in Appendix C. See Appendix C (Table B1) for all of the daily monitoring results by depth.

The daily maximum TSS from March 22<sup>nd</sup> to April 3<sup>rd</sup>, 2013 was 1.9 mg/L TSS with a weighted “monthly” average over an 18 day period of 0.7 mg/L. No samples exceeded the 50 mg/L TSS maximum concentration of a grab sample. As a result, no additional mitigation or sampling was required for this construction monitoring.



**Table 3.2- 2013 Airstrip Extension Monitoring Results by Station and Daily maximum, average and weighted average (during the 18 day period of construction).**

Date	ST-AS-2		ST-AS-3		ST-AS-4		Daily Maximum	
	Max NTU by day	Max TSS per day	Max NTU by day	Max TSS per day	Max NTU by day	Max TSS per day	Max NTU by day	Max TSS per day
2013-02-05	0.0	0.0	0.0	0.0	0.3	0.1	0.3	0.1
2013-03-13	0.0	0.0	0.2	0.0	0.1	0.0	0.2	0.0
2013-03-20	0.4	0.1	0.0	0.0	1.6	0.4	1.6	0.4
2013-03-22	3.4	0.8	0.3	0.1	1.9	0.4	3.4	0.8
2013-03-23	1.6	0.4	0.3	0.1	0.4	0.1	1.6	0.4
2013-03-24	1.9	0.4	3.0	0.7	1.9	0.4	3.0	0.7
2013-03-25	0.6	0.1	3.3	0.8	1.5	0.3	3.3	0.8
2013-03-26	0.5	0.1	0.7	0.2	1.3	0.3	1.3	0.3
2013-03-27	0.6	0.1	0.5	0.1	1.1	0.2	1.1	0.2
2013-03-28	2.0	0.5	2.5	0.6	0.7	0.2	2.5	0.6
2013-03-29	3.8	0.9	0.6	0.1	0.4	0.1	3.8	0.9
2013-03-30	5.3	1.3					5.3	1.3
2013-03-31	7.4	1.8	5.8	1.4	1.5	0.3	7.4	1.8
2013-04-01	7.8	1.9	3.4	0.8	5.0	1.2	7.8	1.9
2013-04-02	6.9	1.7	5.5	1.3	4.0	0.9	6.9	1.7
2013-04-03	2.5	0.6	1.2	0.3	2.1	0.5	2.5	0.6
2013-04-06	6.1	1.5	3.6	0.8	6.1	1.5	6.1	1.5
Maximum	7.8	1.9	5.8	1.4	5.0	1.2	7.8	1.9
Average	3.2	0.8	2.1	0.5	1.8	0.4	3.7	0.9
Weighted Average	2.5	0.6	1.5	0.4	1.2	0.3	2.8	0.7

**Table 3.3- 2013 Airstrip Extension Weekly Monitoring and Laboratory Results**

Sample ID	Depth	Date	Turbidity Measurement (by ENV Dept.)	TSS/ Turbidity correlation	Multilab Results	
			NTU	mg/L TSS	mg/L TSS	
ST-AS-2	3	5-Feb-2013	0.040	0.0		1.0
ST-AS-3	3	5-Feb-2013	0.010	0.0		1.0
ST-AS-4	3	5-Feb-2013	0.320	0.1		2.0
ST-AS-4 DUP	3	5-Feb-2013	0.32	0.1	<	1.0
ST-AS-2	1	20-Mar-2013	0.410	0.1	<	1
ST-AS-4	2	20-Mar-2013	1.640	0.4	<	1
ST-AS-2	2	24-Mar-2013	1.850	0.4		7
ST-AS-3	3	24-Mar-2013	2.980	0.7		3
ST-AS-3-DUP	3	24-Mar-2013	2.980	0.7		3
ST-AS-4	3	24-Mar-2013	1.890	0.4	<	1
ST-AS-2	1	31-Mar-2013	7.4	1.8		25
ST-AS-2 Dup	1	31-Mar-2013	5.8	1.4		23
ST-AS-3	1	31-Mar-2013	5.8	1.4		3
ST-AS-4	1	31-Mar-2013	1.5	0.3		7
ST-AS-2	1	6-Apr-2013	6.1	1.5		10
ST-AS-2 Dup	1	6-Apr-2013	6.1	1.5		7
ST-AS-3	1	6-Apr-2013	3.6	0.8	<	1
ST-AS-4	1	6-Apr-2013	6.1	1.5		2

### **3.4 CREMP Monitoring**

As discussed in AEM (2013), Core Receiving Environmental Monitoring Program (CREMP) monitoring was conducted in April at nearby stations in Third Portage Lake north basin. There are no changes to water quality or aquatic biota that warrant additional discussion; results for these monitoring will be presented in the 2013 annual CREMP report.

### **3.5 Additional Sediment and Erosion Control Measures in 2013**

As discussed in AEM (2013), if deemed necessary, turbidity curtains will be deployed along the face of the airstrip extension to contain sediment and erosion during freshet and during the open water season. If deemed necessary, additional TSS monitoring at ST-AS 2 to 4 will be conducted during this time.

## **4 SUMMARY AND CONCLUSIONS**

The provided as-built plans (Appendix B), construction inspections, erosion control measures and construction monitoring of TSS met the various sections of Part D and G of the NWB Type A license related to construction monitoring.

As presented in AEM (2013), the construction monitoring of the airstrip extension below the Third Portage Lake high water mark, used turbidity as a surrogate for TSS (using a TSS/turbidity correlation) which provided AEM with the ability to forecast TSS levels and prevent licence limit exceedances. Routine monitoring was completed at 3 stations that were not frozen to depth. TSS samples were collected on a weekly basis and submitted to a CALEA certified laboratory to verify TSS according to the license.

The combination of construction management measures (winter construction and material placement practices) effectively controlled and eliminated increased levels of TSS inputs into Third Portage Lake. Throughout the airstrip expansion construction, TSS monitoring did not exceed the 50 mg/L limit. Furthermore, no weekly laboratory TSS levels exceeded the license limits. As a result, no mitigative action was required.

## **5 REFERENCES**

Agnico Eagle Mines (AEM 2013). Meadowbank Mine Airstrip Expansion- NWB Modification Application. January 2013. Submitted along with a cover letter to the NWB on January 27, 2013.

Figure 1: Location airstrip expansion

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## MEADOWBANK DIVISION

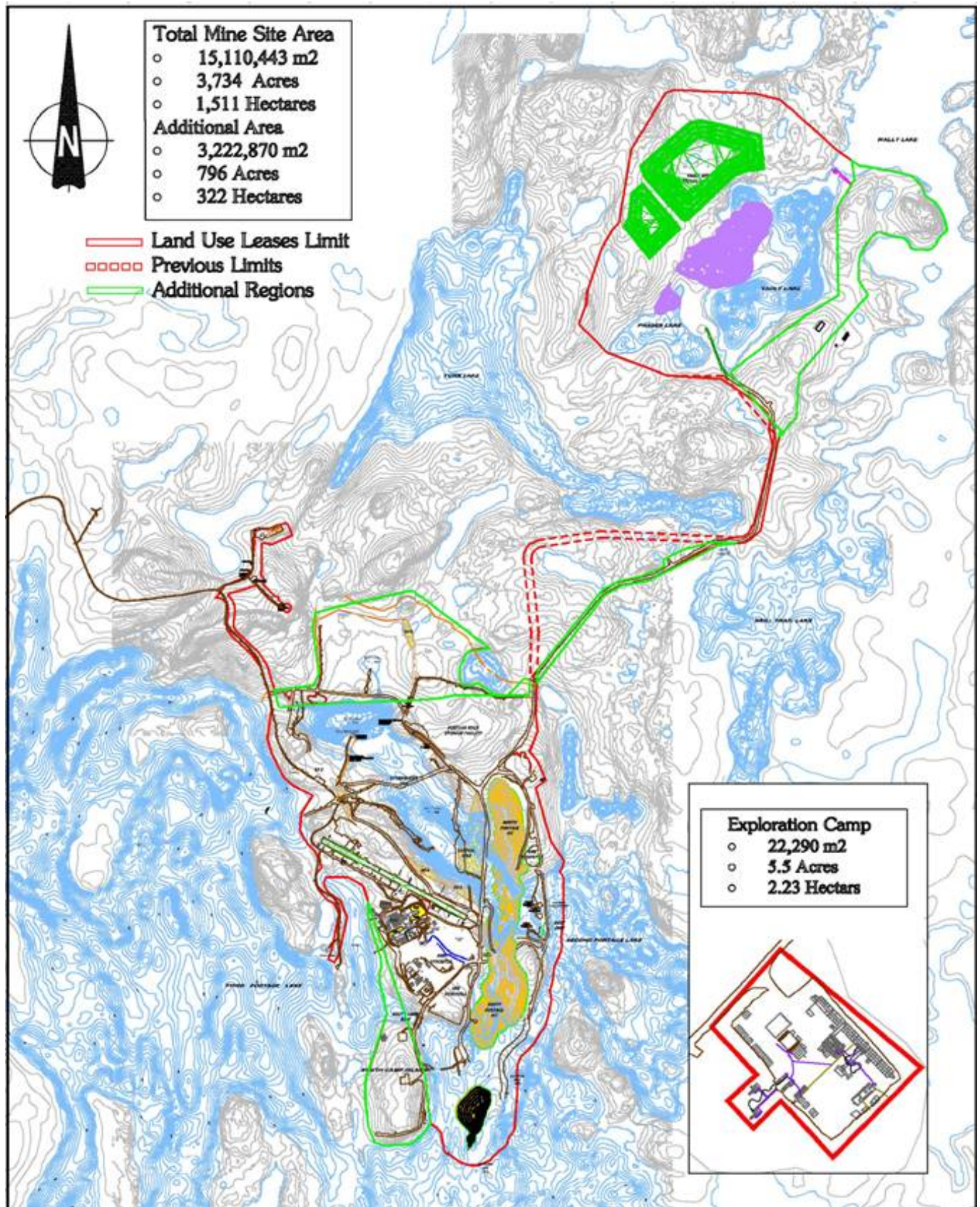
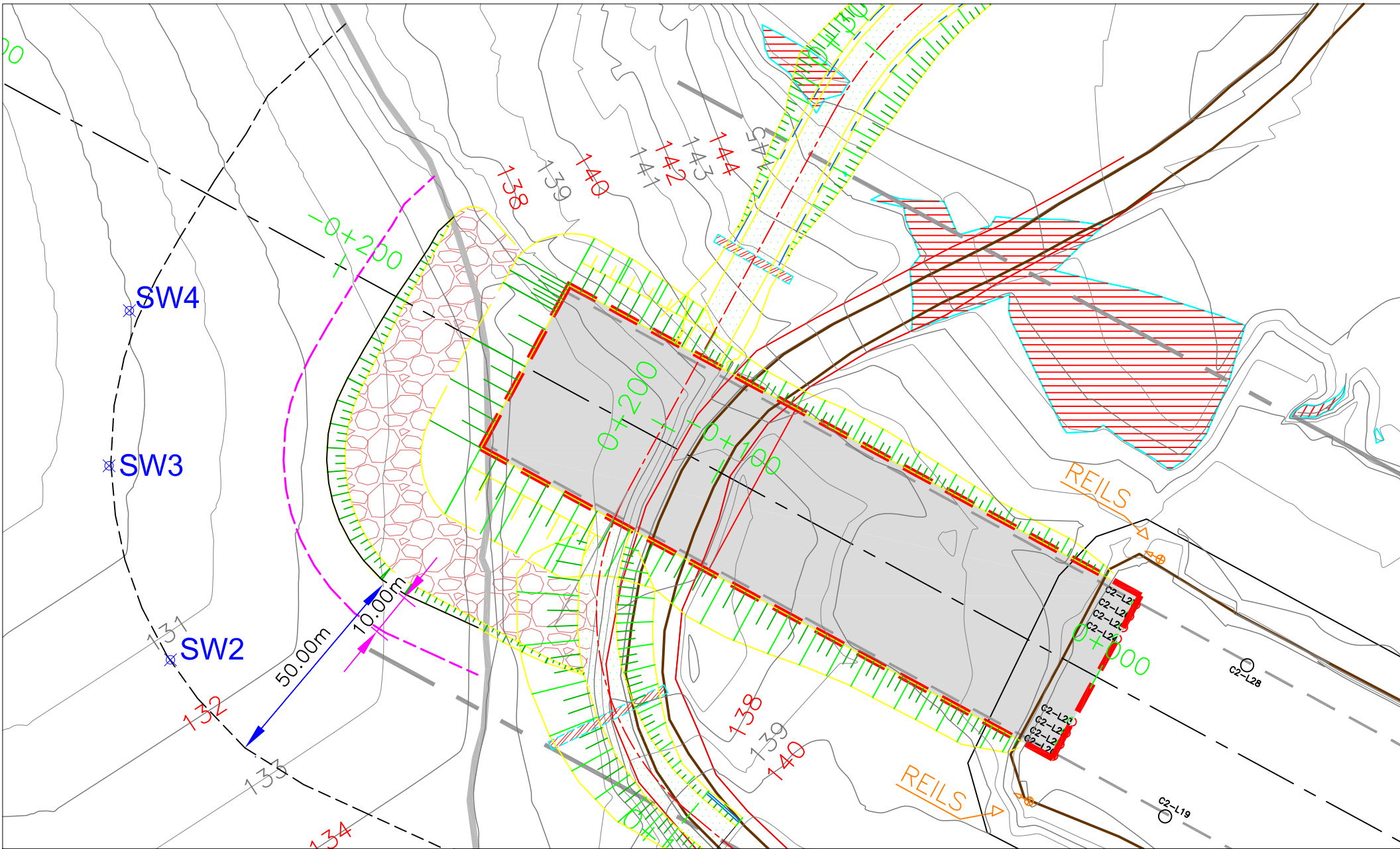





Figure 2: TSS Monitoring Station

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	<p><b>Representation of surface water sampling and turbidity barrier locations for airstrip extension project</b></p> <tr> <td>Drawn By: M.Legault</td> <td>Modified By: D. Gravel</td> </tr> <tr> <td colspan="2">Date : 14/02/2013</td> </tr> <tr> <td colspan="2"> <b>Legend :</b> <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-radius: 50%; position: relative; top: -5px; margin-right: 5px;">X</span> Surface water Sampling Location           <span style="display: inline-block; width: 20px; border-bottom: 2px dashed magenta; margin-left: 20px; position: relative; top: -5px;"></span> Turbidity Barrier Location         </td> </tr>	Drawn By: M.Legault	Modified By: D. Gravel	Date : 14/02/2013		<b>Legend :</b> <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-radius: 50%; position: relative; top: -5px; margin-right: 5px;">X</span> Surface water Sampling Location <span style="display: inline-block; width: 20px; border-bottom: 2px dashed magenta; margin-left: 20px; position: relative; top: -5px;"></span> Turbidity Barrier Location	
Drawn By: M.Legault	Modified By: D. Gravel						
Date : 14/02/2013							
<b>Legend :</b> <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-radius: 50%; position: relative; top: -5px; margin-right: 5px;">X</span> Surface water Sampling Location <span style="display: inline-block; width: 20px; border-bottom: 2px dashed magenta; margin-left: 20px; position: relative; top: -5px;"></span> Turbidity Barrier Location							

Appendix A: Stavibel construction monitoring summary report, construction  
photos & drawings

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Project :	Meadowbank Airstrip Expansion	Date : 2013-06-03
Project # :	OP-79853-J /VD3245	Document #: VD3245-001
Prepared by :	Michaël Racine, tech.	Contractor : Fernand Gilbert Ltée
		Verify by : Richard Marcoux, ing.

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**CONSTRUCTION REPORT**



## **1.0 CONSTRUCTION ACTIVITIES**

### **1.1 Summary**

#### **1.1.1 East side airstrip expansion**

Airstrip extension length : 116 meters

Machinery :  
1 Bulldozer (D8 or D9)  
1 Excavator (CAT 345)  
5 or less Haul trucks between 50 and 150 tons.  
1 Compactor 10 tons  
1 Loader  
1 Grader

Materials and quantities :  
17 572 m<sup>3</sup> of rockfill 0-1000mm NPAG  
2094 m<sup>3</sup> of crushed 0-150mm NPAG  
1103 m<sup>3</sup> of crushed 0-20mm NPAG

Work duration : 11 days (2012/12/10 to 2012/12/21)

#### **1.1.2 West side airstrip expansion and road construction**

Airstrip extension length : 152.5 meters

Machinery :  
1 Bulldozer (D8)  
2 Excavators (CAT 345 and 365)  
5 or less Haul trucks between 50 and 150 tons.  
1 Compactor 10 tons  
1 Loader  
1 Grader

Materials and quantities :  
3607 m<sup>3</sup> of selected rocks 100-1000mm NPAG  
55 104m<sup>3</sup> of rockfill 0-1000mm NPAG  
1970 m<sup>3</sup> of crushed 0-150mm NPAG  
2502 m<sup>3</sup> of crushed 0-20mm NPAG (airstrip + road)

Work duration : 39 days (2013/01/07 to 2013/01/27 and 2013/03/20 to 2013/04/06)



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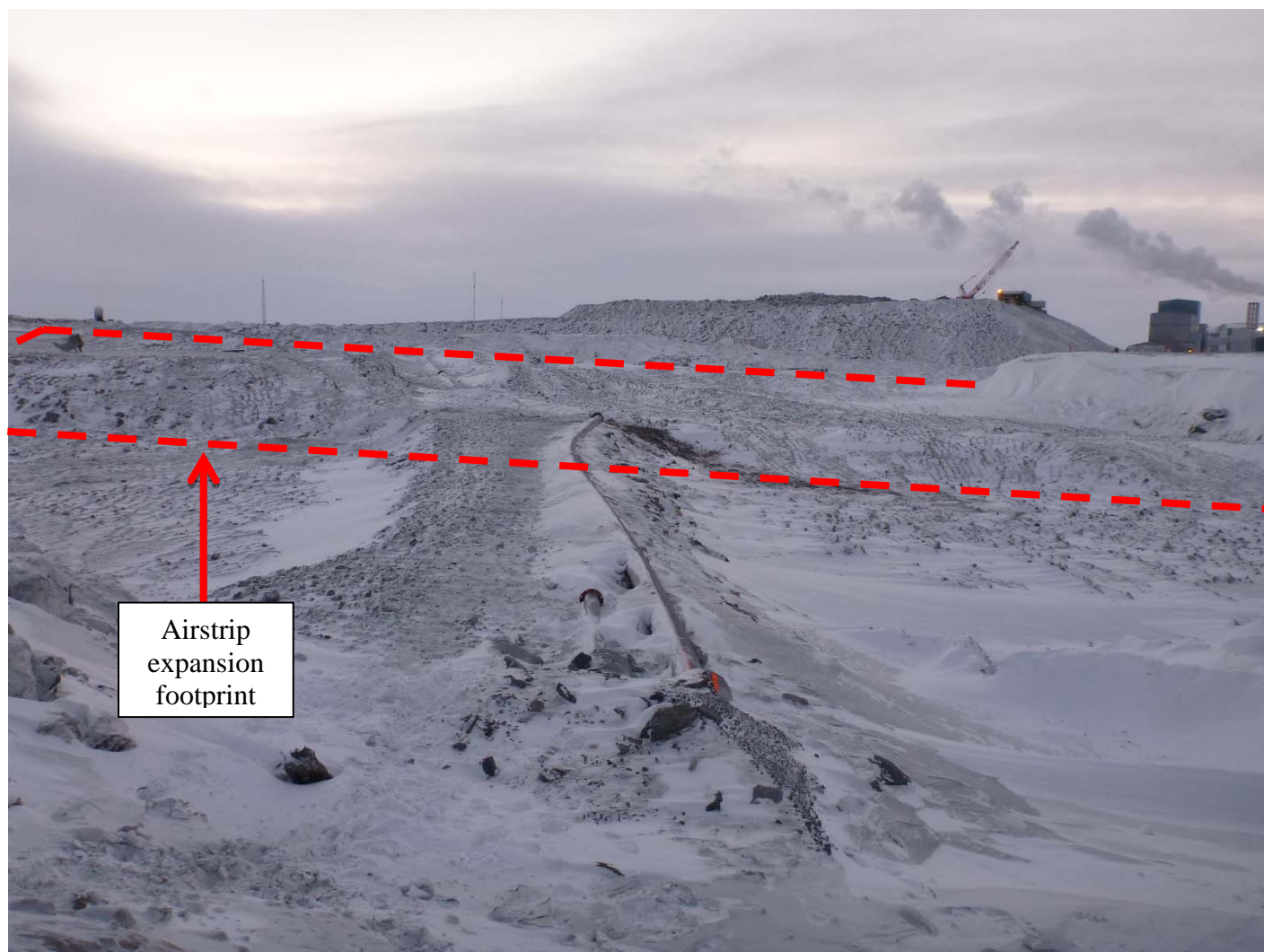
**CONSTRUCTION REPORT**



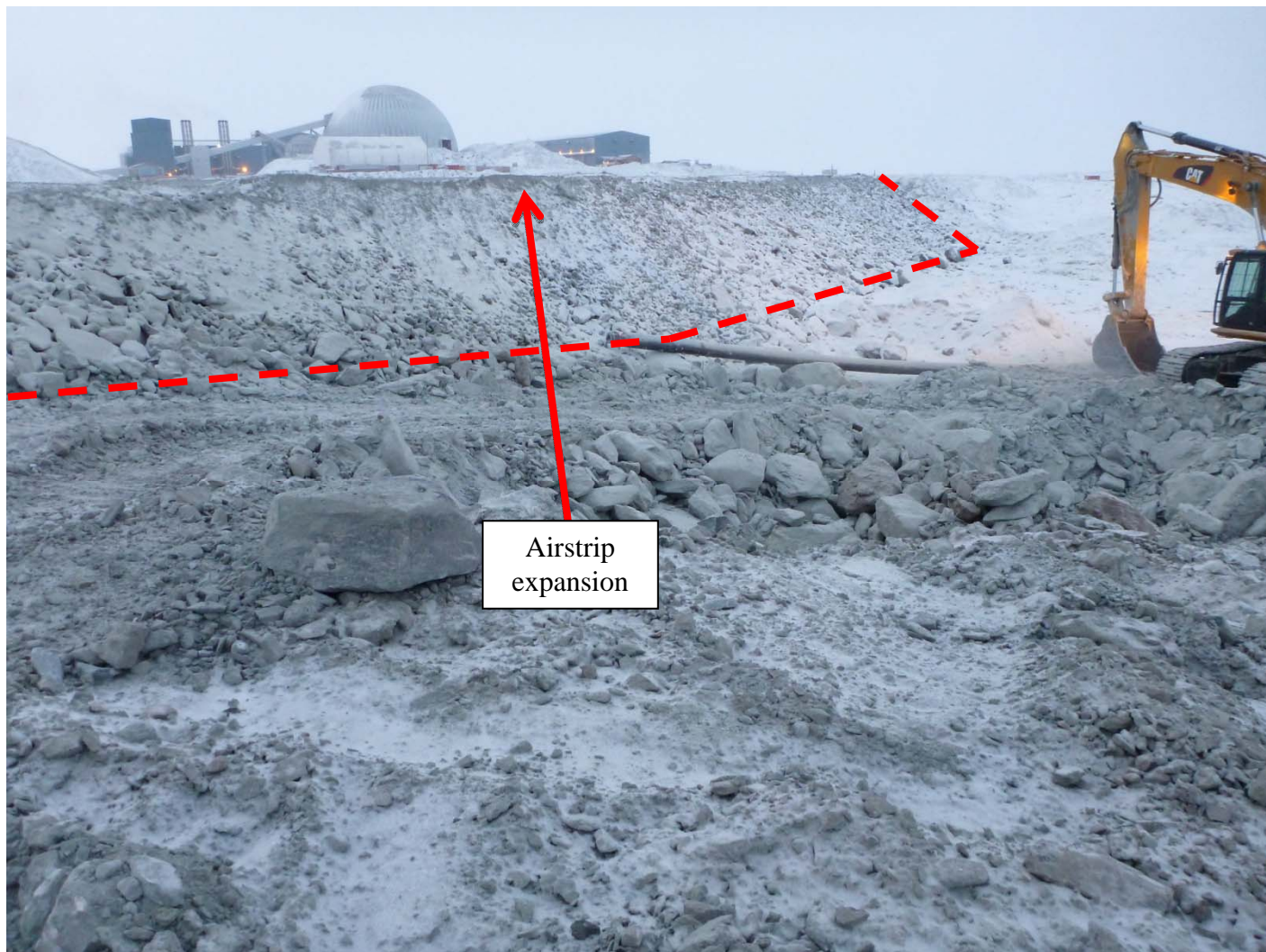
**1.2 Photos**

**1.2.1 East side airstrip expansion**

- Photo #01, – Before airstrip construction (East expansion)



- Photo #02, – After airstrip construction (East side).





### 1.2.2 West side airstrip expansion and road construction

- Photo #03, – Before airstrip construction (West expansion)



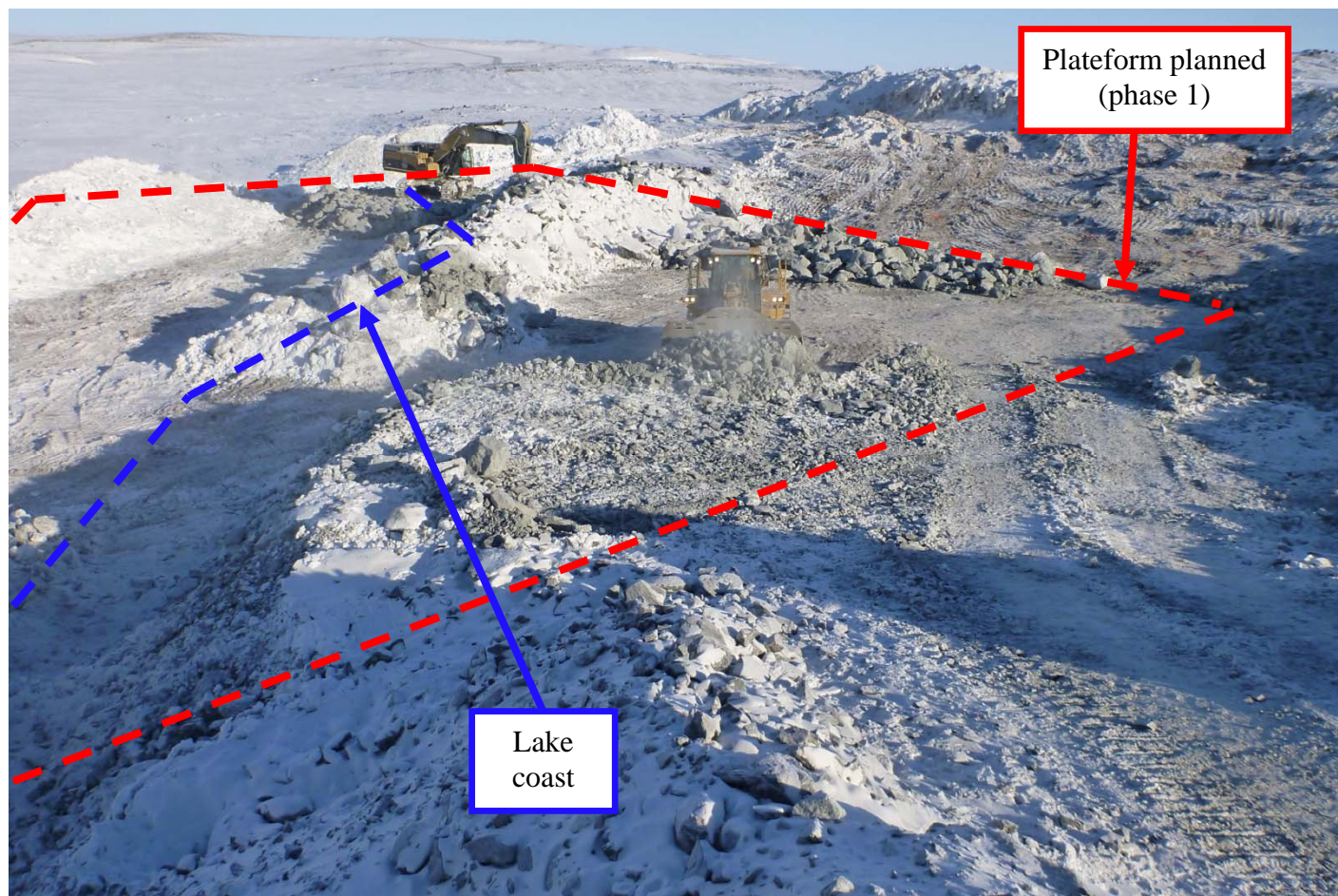


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- Photo #04, – Removal of ice and construction of the platform (phase 1) with selected rocks 100-1000mm until reaching elevation 135.1m (1 meter above the lake).





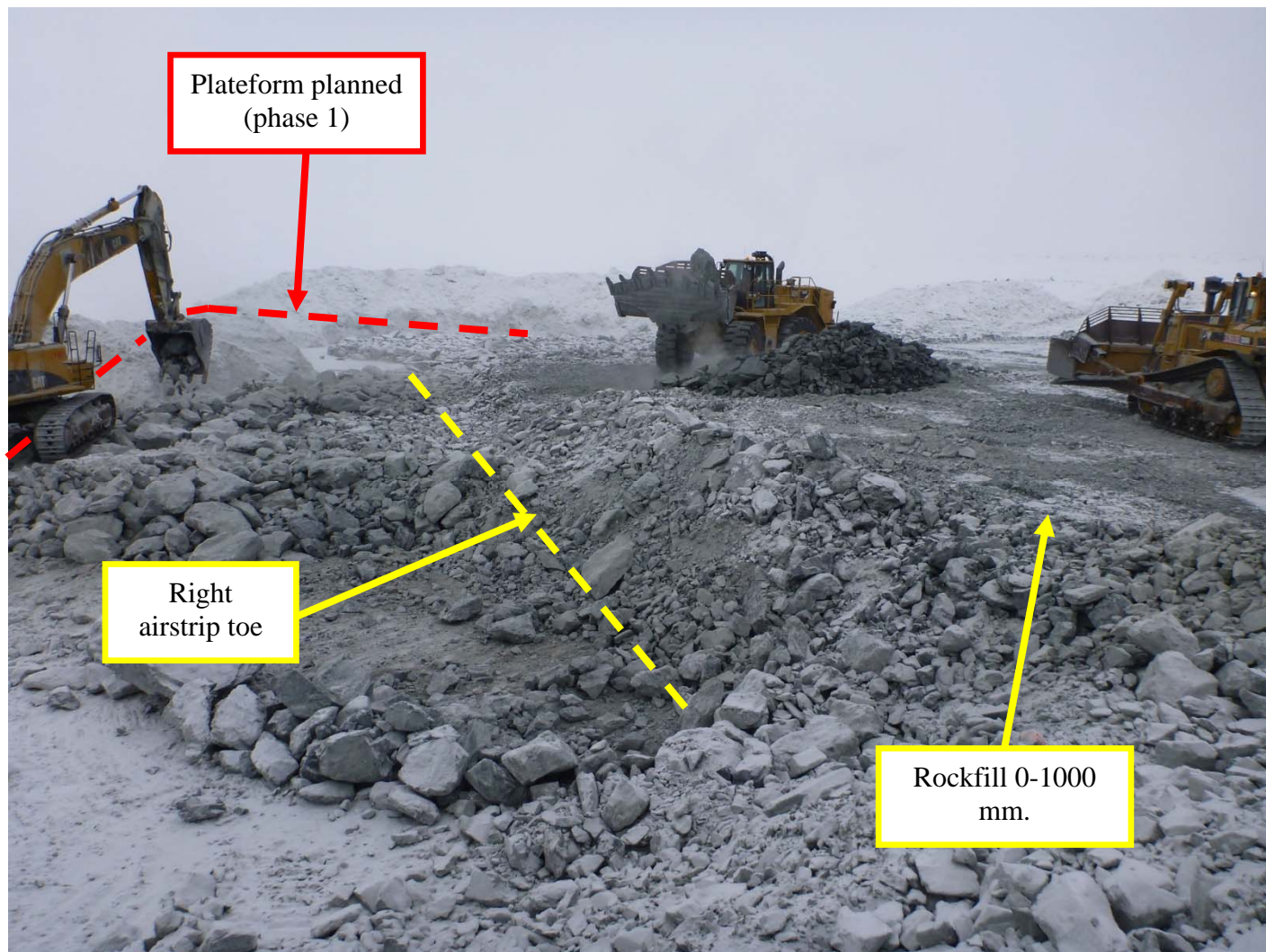


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- Photo #05, – Construction of the phase 1 platform with selected rocks 100-1000mm and rockfill 0-1000mm above this platform. The excavator was inspected by mechanics to ensure there is no leaking of oil. The top of the boom was cleaned to remove any contaminated snow that could melt during operations near the lake.





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- Photo #06, – After airstrip construction (West side).







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- Photo #07 et 08, – New Road that pass on the airstrip runway (west side)







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## **2.0 MODIFICATIONS DURING CONSTRUCTION**

### **2.1 Culverts on East side**

The 5 proposed culverts under the airstrip between 1+500 and 1+550 were removed from the original plan. These culverts were planned to allow for the crossing of dewatering pipes (not related to this project).. AEM decided to move the pipes to another location.

### **2.2 Culverts on West side**

The 2 proposed culverts under the road at 0+130 and 0+223 have been replaced by beds of clean rock because they offer better draining according to the topography of the site.





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**CONSTRUCTION REPORT**



**2.3 Increase tickness of crushed stone 0-20 mm.**

The thickness of the crushed stone 0-20 mm on the airstrip between -0+080 and -0+152.5 was increased to 300mm (instead of 150 mm) and the layer of minus 150mm was reduced to 300mm (instead of 450mm). The reason for this is that there was a shortage of minus 150mm. In brief, part of the minus 150 mm was replaced by 0-20mm.

**2.4 Phase 2 : rockfill**

The specifications of the plans ( for construction)» suggested filling material of selected rocks between 100 and 1000mm. According to the low risk of turbidity/TSS potentially generated by the rockfill of the phase 2 (rockfill 1m above water and higher), it was decided that the phase 2 would be constructed with rockfill 0-1000mm. Turbidity barriers will be used in thawing period if there is any signs of contamination into the lake.

**2.5 Modification of road location**

The road was moved to reduce to the construction footprint and was constructed in accordance with the topography. This modification allowed for the elimination of blasting near the lake. The two figures below show the differences between planned road and constructed road.



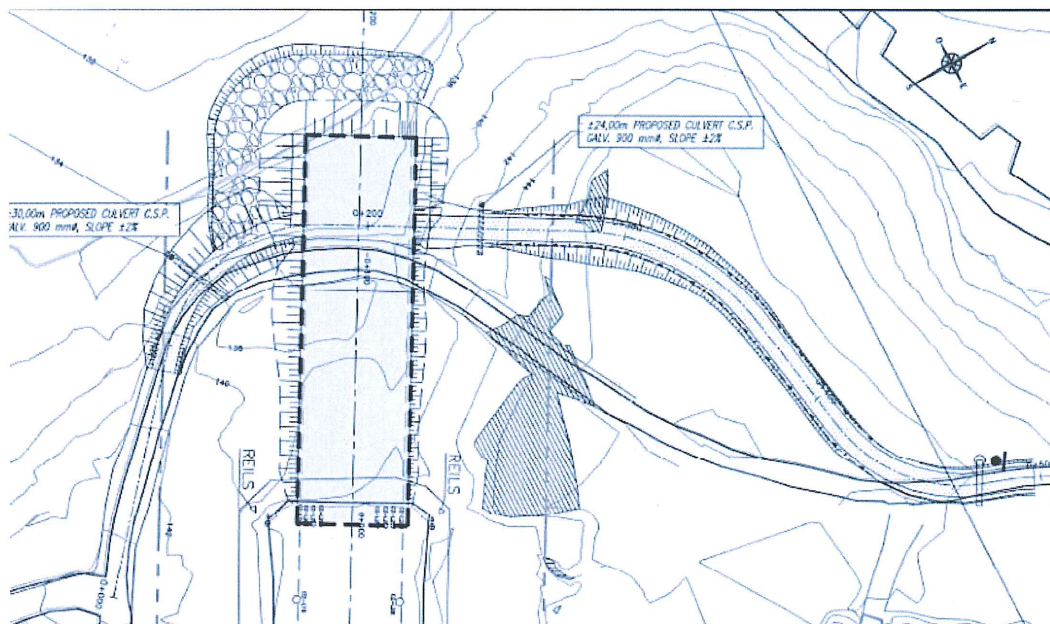


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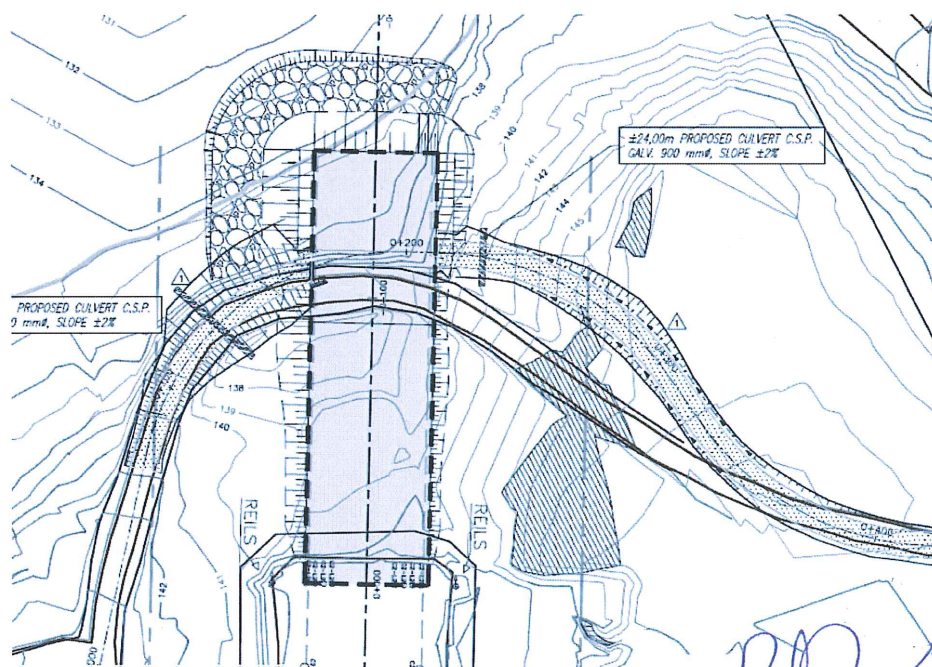
CONSTRUCTION REPORT



Before :



After :



*Michael Racine*  
Michael Racine, tech

*Richard Marcoux*  
Richard Marcoux, ing.  
No. OIQ : 38724

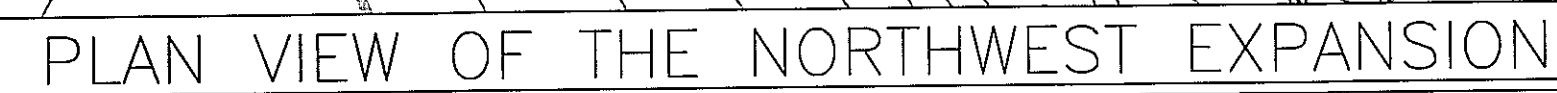
## Appendix B: As-built drawings

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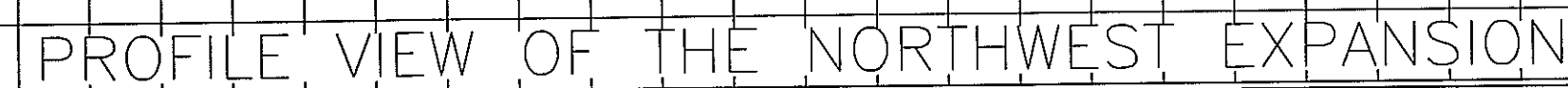








SCALE 1:1000



SCALE HOR. 1:1000  
VERT. 1:100



SCALE 1:1000



SCALE HOR. 1:1000  
VERT. 1:100

\_\_\_\_\_

NOTES GÉNÉRAL / GENERAL NOTES

TEL QUE CONSTRUIT  
AS BUILT

 DATE : 2013/06/07

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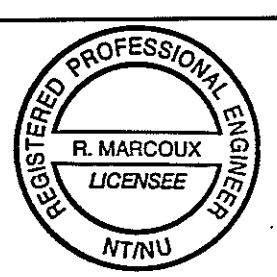
DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

[illegible]

**AGNICO EAGLE**

1	2013-06-07	AS BUILT	Y.B.	R.M.	A.H.	
0	2012-12-07	FOR CONSTRUCTION	Y.B.	R.M.	A.H.	
B	2012-12-03	FOR APPROVAL	Y.B.	R.M.	A.H.	
A	2012-11-19	FOR APPROVAL	Y.B.	R.M.	A.H.	
REV.	DATE	DESCRIPTION	PAY/BY	APP.	CLEN	

## REVISIONS



TITLE / TITLE  
AGNICO—EAGLE — MEADOWBANK DIVISION  
AIRPORT DESIGN FOR BOEING 737  
CODE NUMBER : 3 CODE LETTER : C  
NON—PRECISION APPROACH RUNWAY  
2012 EXPANSION RUNWAY  
PLAN AND PROFILE

DESSINÉ PAR DRAWN BY	YVES BOISVERT, T.P.	DATE 2012-11-
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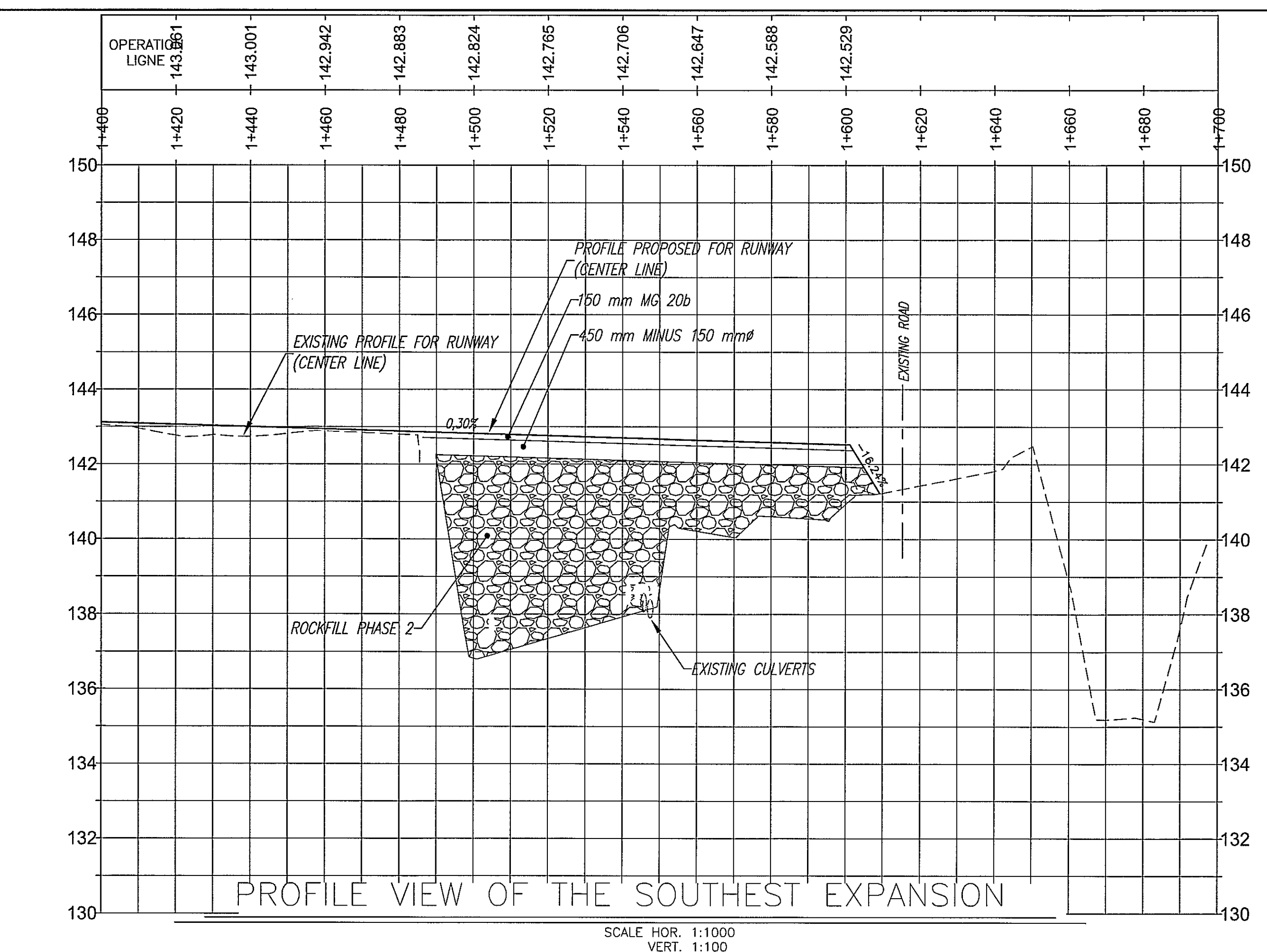
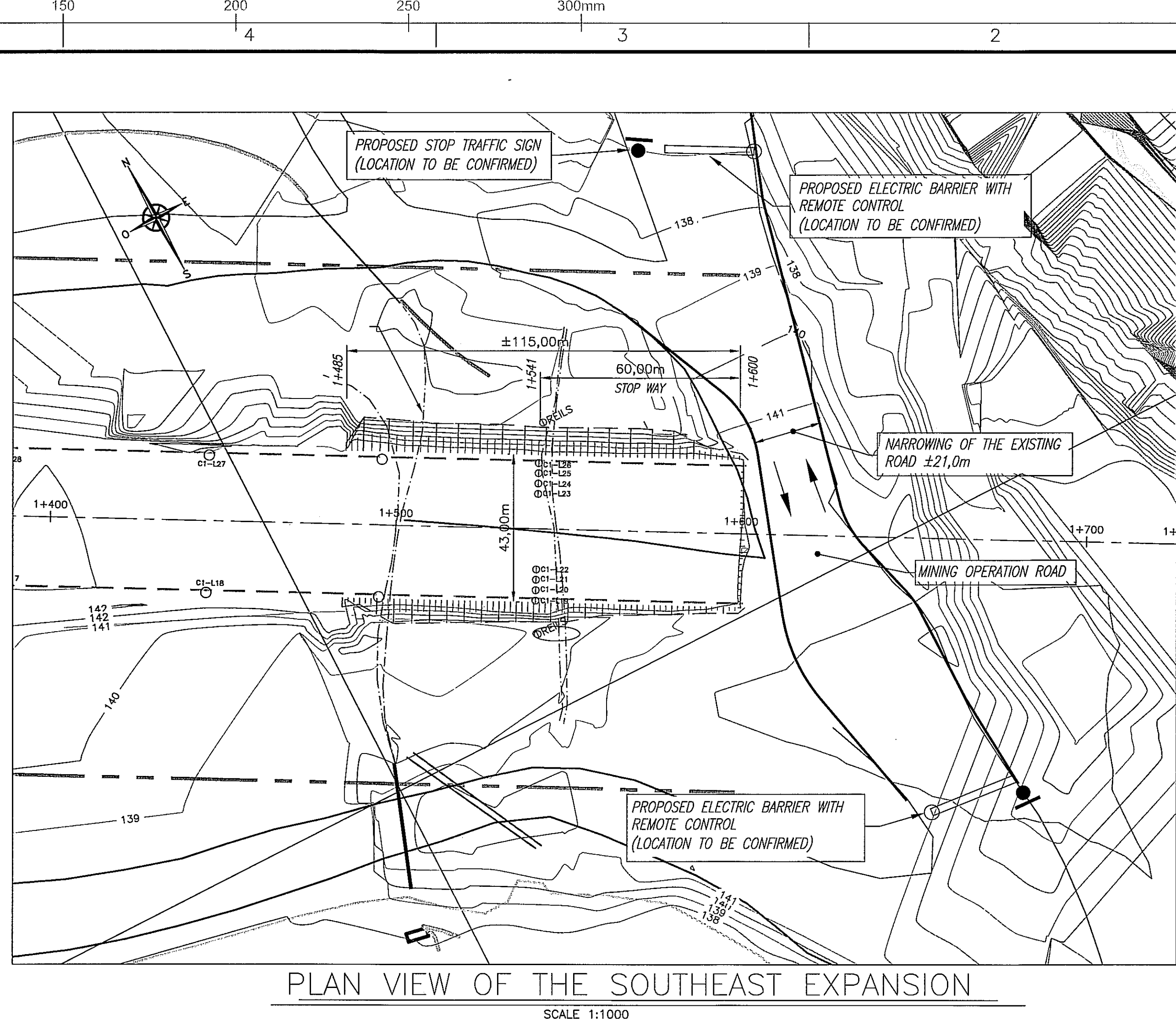
VERIFIÉ PAR CHECKED BY	RICHARD MARCOUX, ing.	2012-11-
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APPROUVE PAR APPROVED BY		
ECHELLE	DATE	

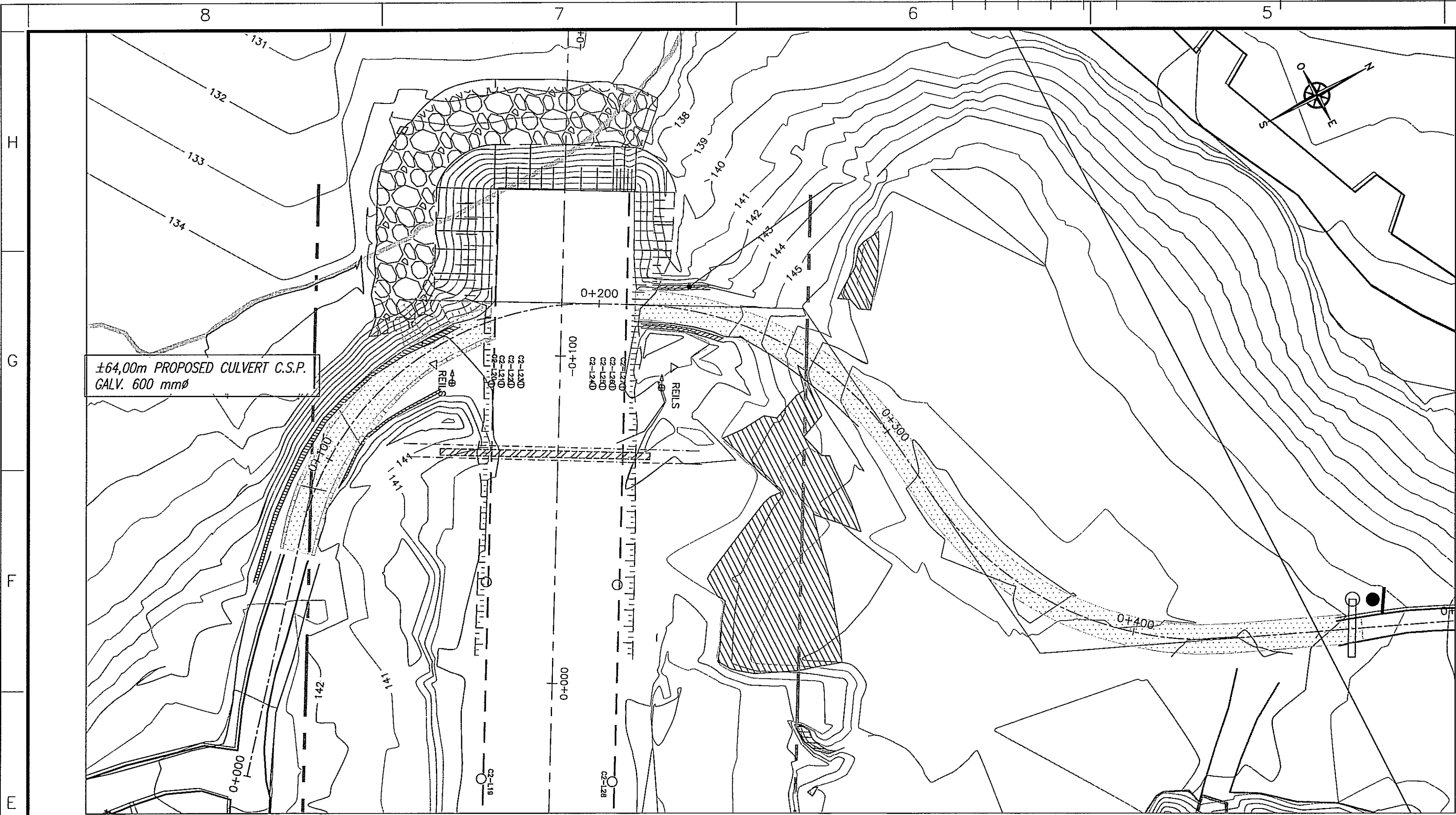
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NO. DESSIN DRAWING NO.		

MEAD-620-230-201_1		
NO. PROJ PROJECT NO.	REVISION	FEUILLE / S
	1	1 / 1



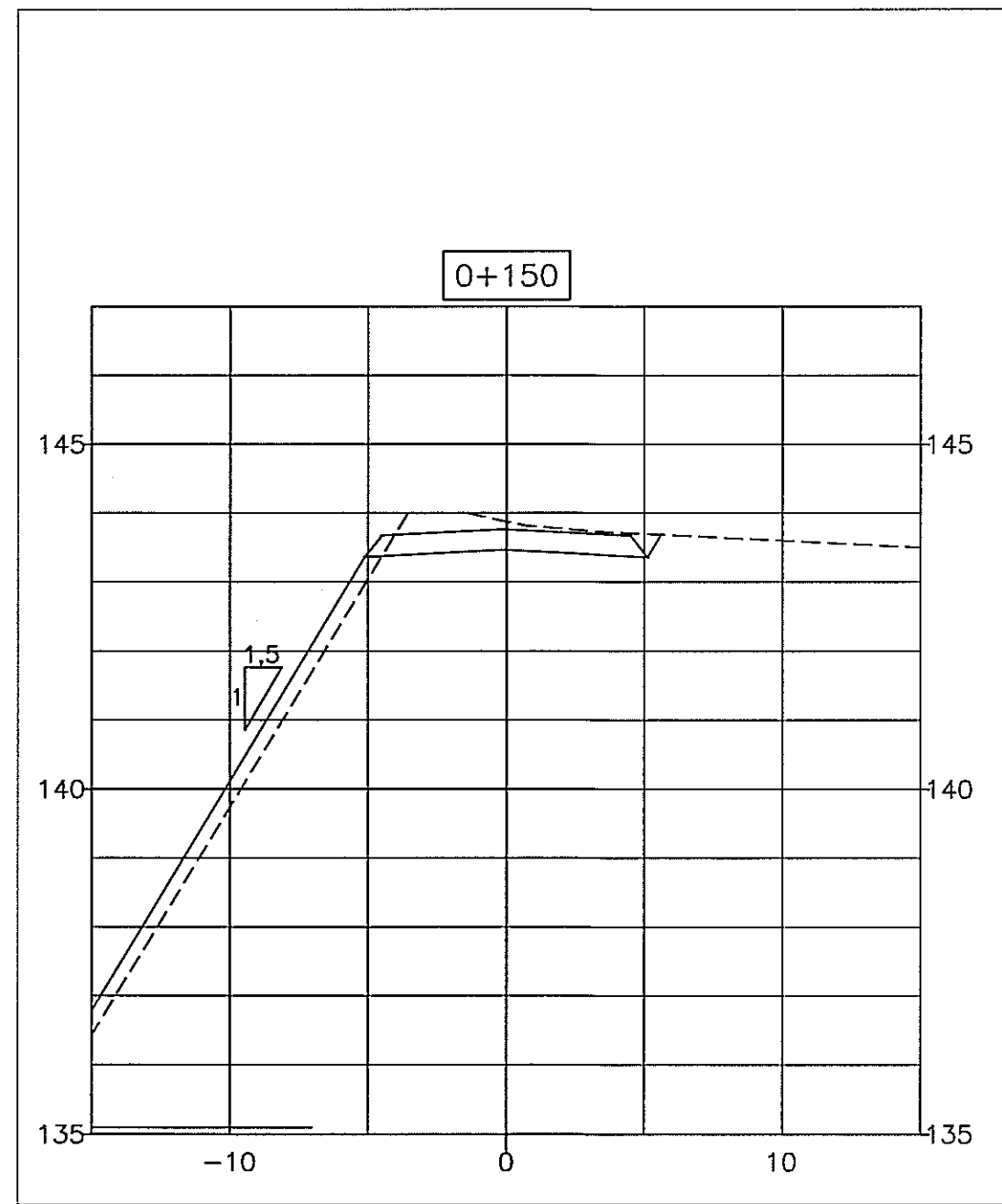
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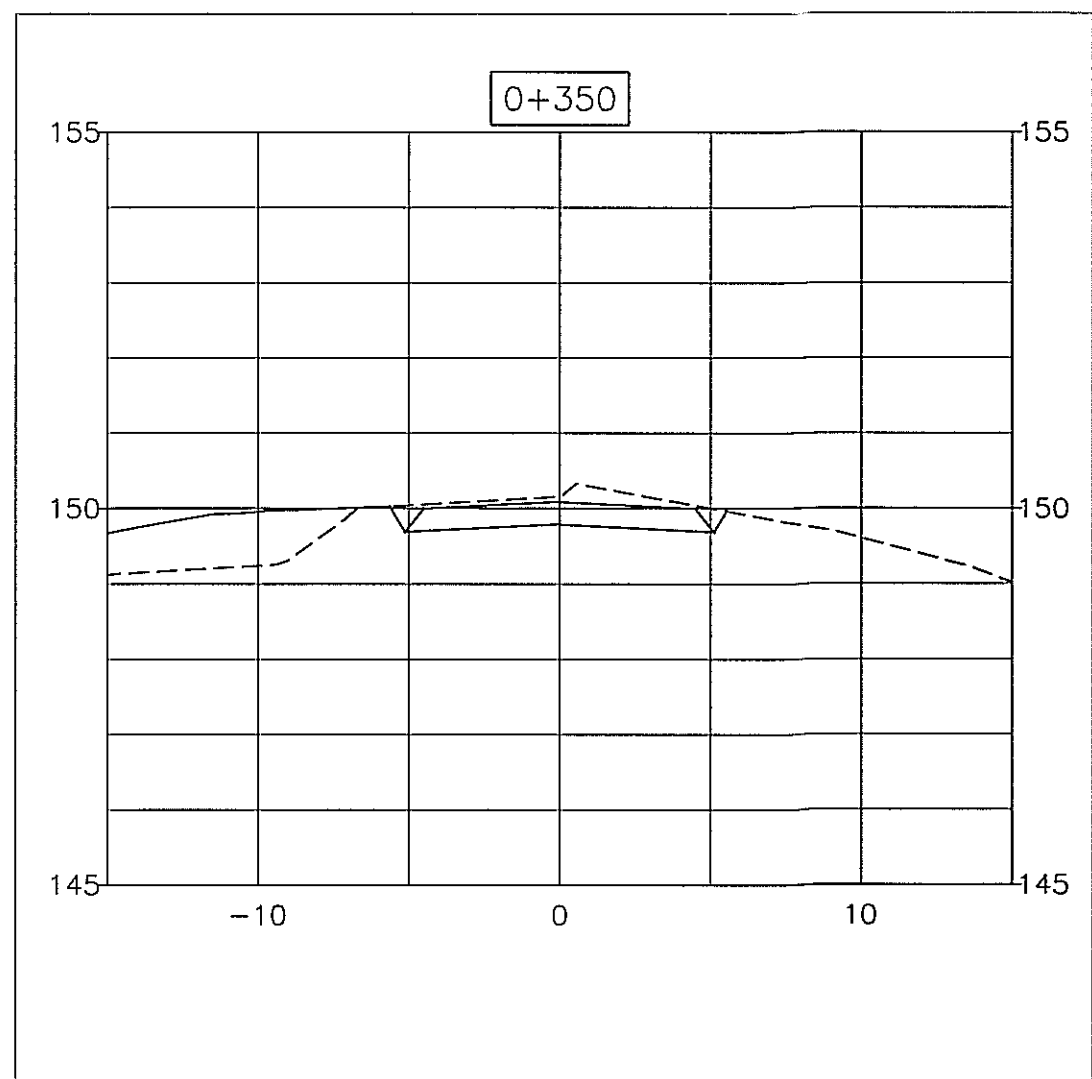
PLAN VIEW - ACCESS ROAD

SCALE 1:1000



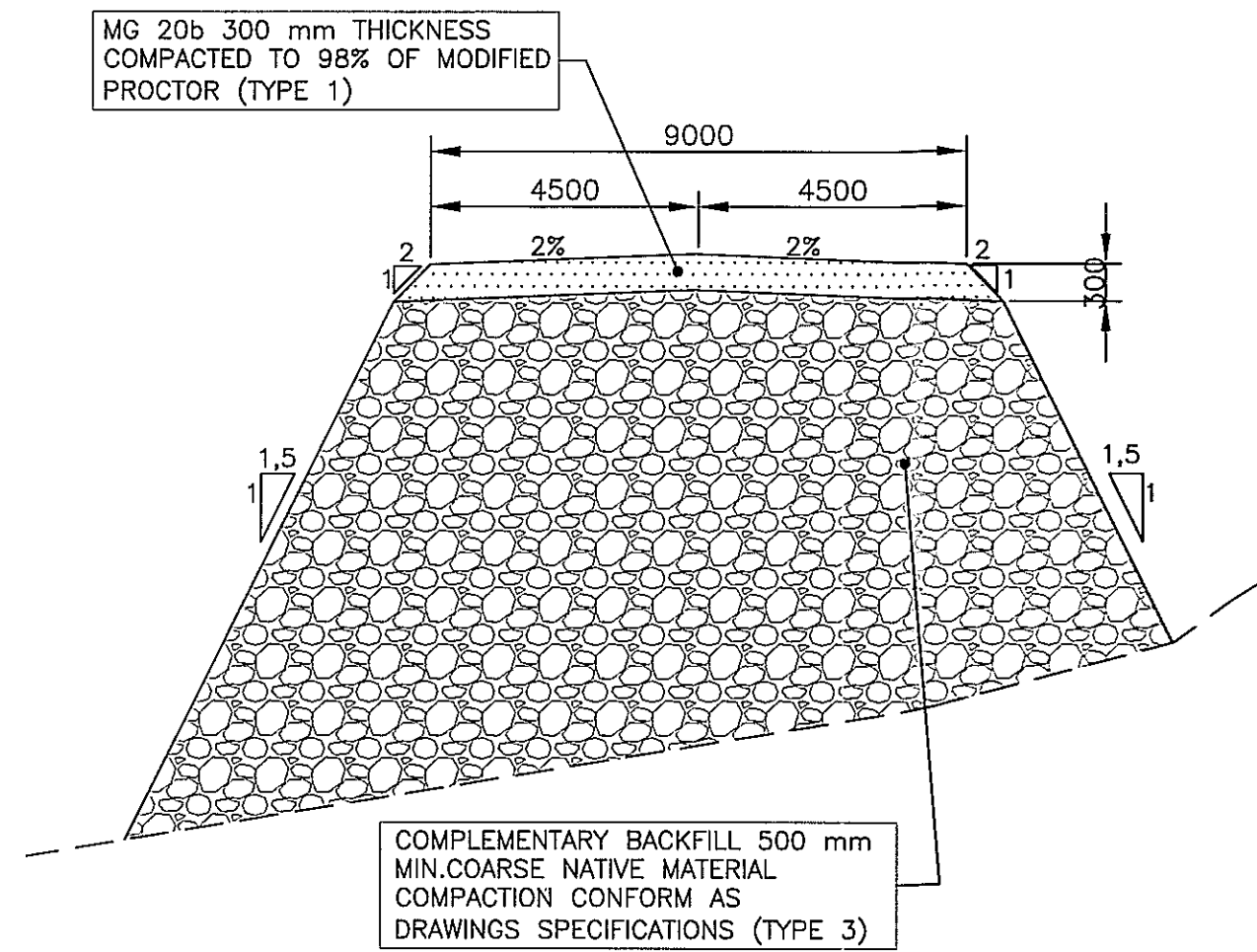
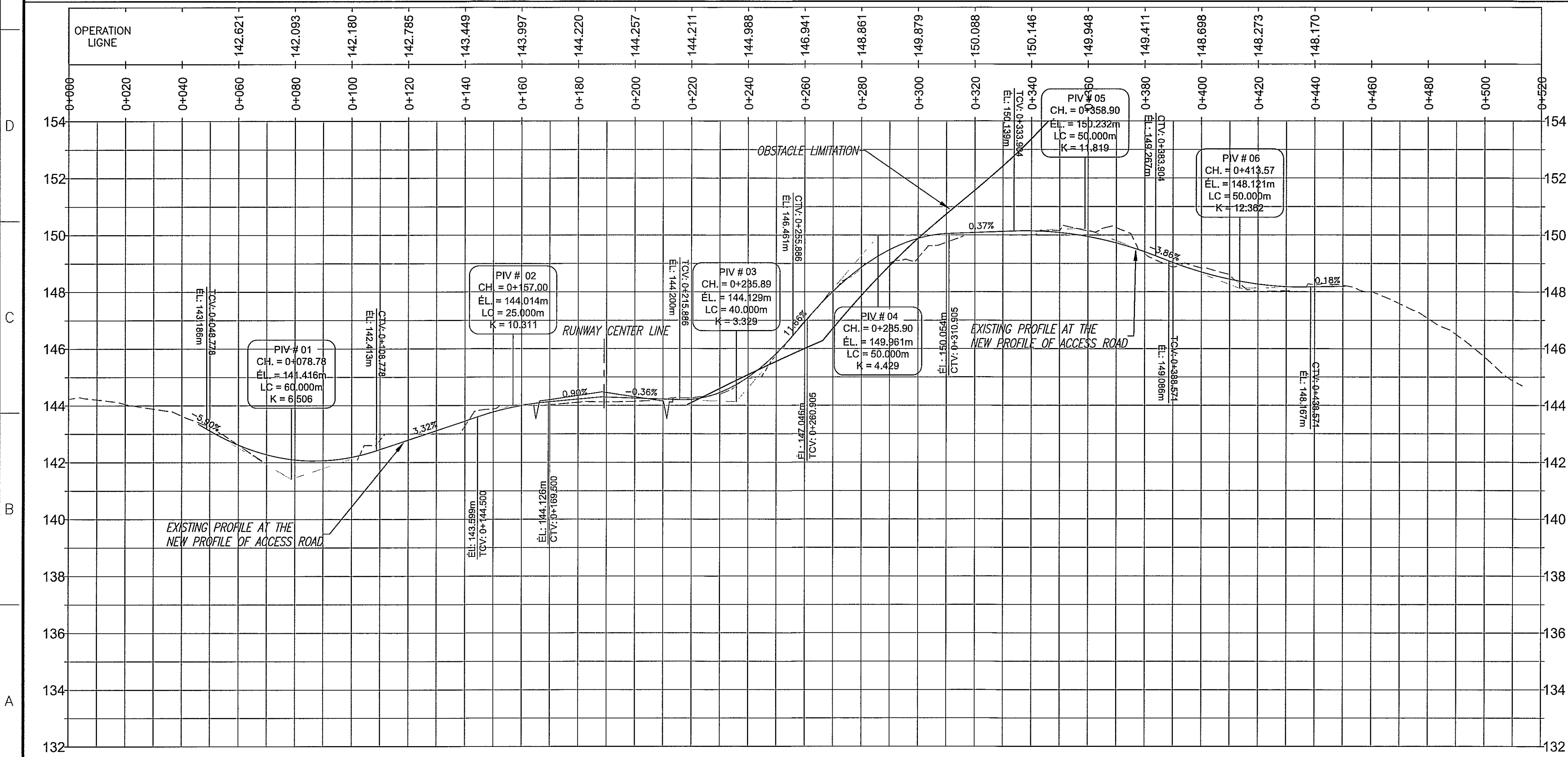
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SCALE HOR. 1:250  
VERT. 1:100



EXCAVATION SECTION

SCALE HOR. 1:250  
VERT. 1:100



TYPICAL CROSS SECTION

NO SCALE

PLAN CLE  
KEY PLAN

NOTES GÉNÉRAL / GENERAL NOTES

TEL QUE CONSTRUIT  
AS BUILT

AGNICO EAGLE

DATE : 2013/06/07

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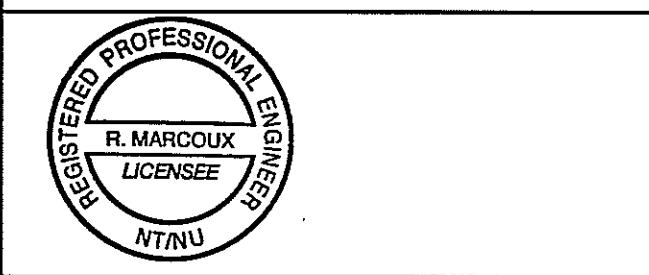
DESSINS EN REFERENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
1 2013-06-07 AS BUILT	Y.B. R.M. A.H.
0 2012-12-07 FOR CONSTRUCTION	Y.B. R.M. A.H.
B 2012-12-03 FOR APPROVAL	Y.B. R.M. A.H.
A 2012-11-19 FOR APPROVAL	Y.B. R.M. A.H.
REV. I	DATE DESCRIPTION PAR/BY APP. CLIENT

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2013-06-07	AS BUILT	Y.B.	R.M.	A.H.
0	2012-12-07	FOR CONSTRUCTION	Y.B.	R.M.	A.H.
B	2012-12-03	FOR APPROVAL	Y.B.	R.M.	A.H.
A	2012-11-19	FOR APPROVAL	Y.B.	R.M.	A.H.

REVISIONS



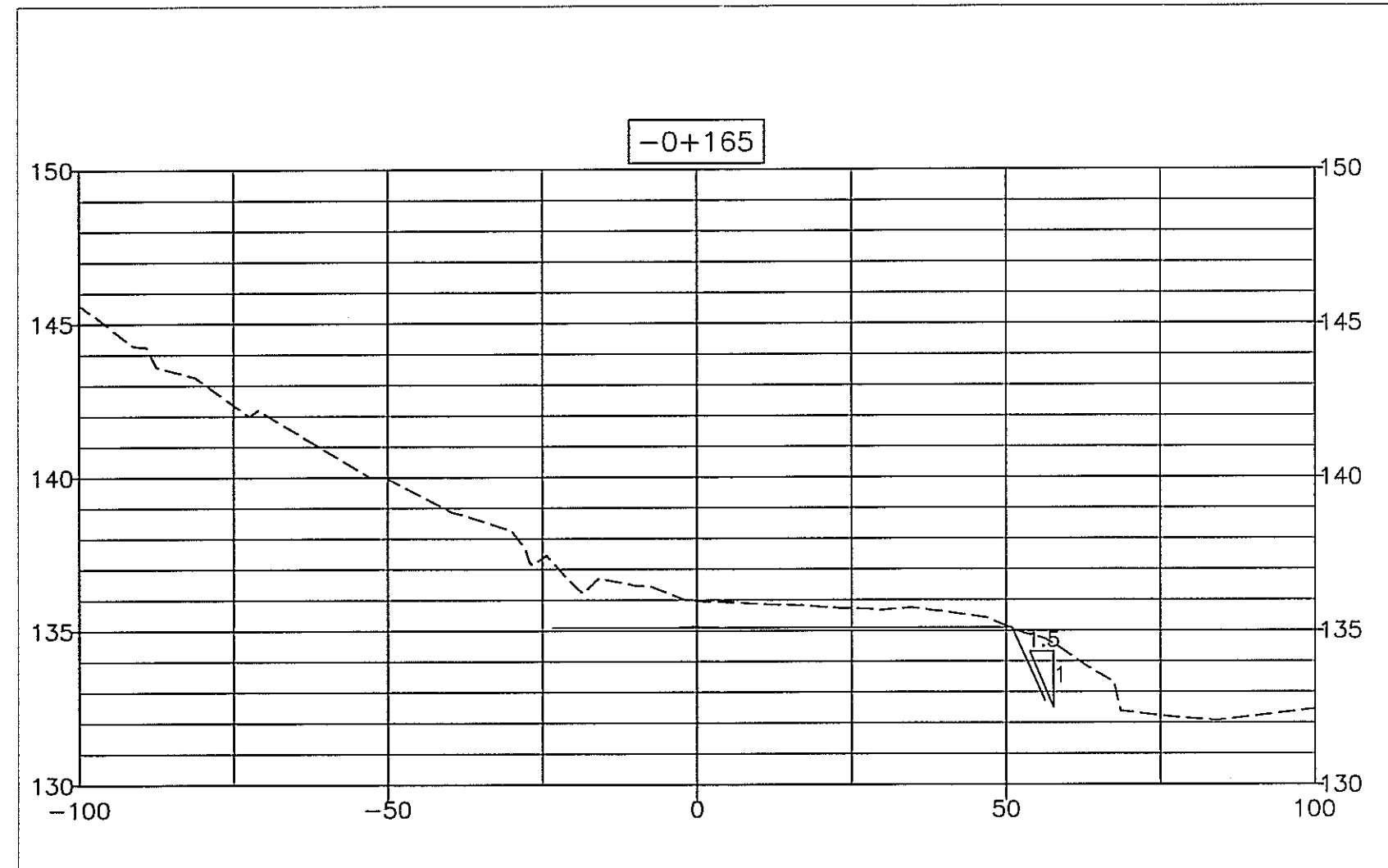
TITRE / TITLE  
AGNICO-EAGLE - MEADOWBANK DIVISION  
AIRPORT DESIGN FOR BOEING 737  
CODE NUMBER : 3 CODE LETTER : C  
NON-PRECISION APPROACH RUNWAY  
2012 EXPANSION RUNWAY  
PLAN AND PROFILE

DESSINÉ PAR DRAWN BY	YVES BOISVERT, T.P.	DATE 2012-11-19
VÉRIFIÉ PAR CHECKED BY	RICHARD MARCOUX, ing.	2012-11-19
APPROUVÉ PAR APPROVED BY		

ÉCHELLE SCALE	1 : 1000	DATE 19 NOVEMBRE 2012
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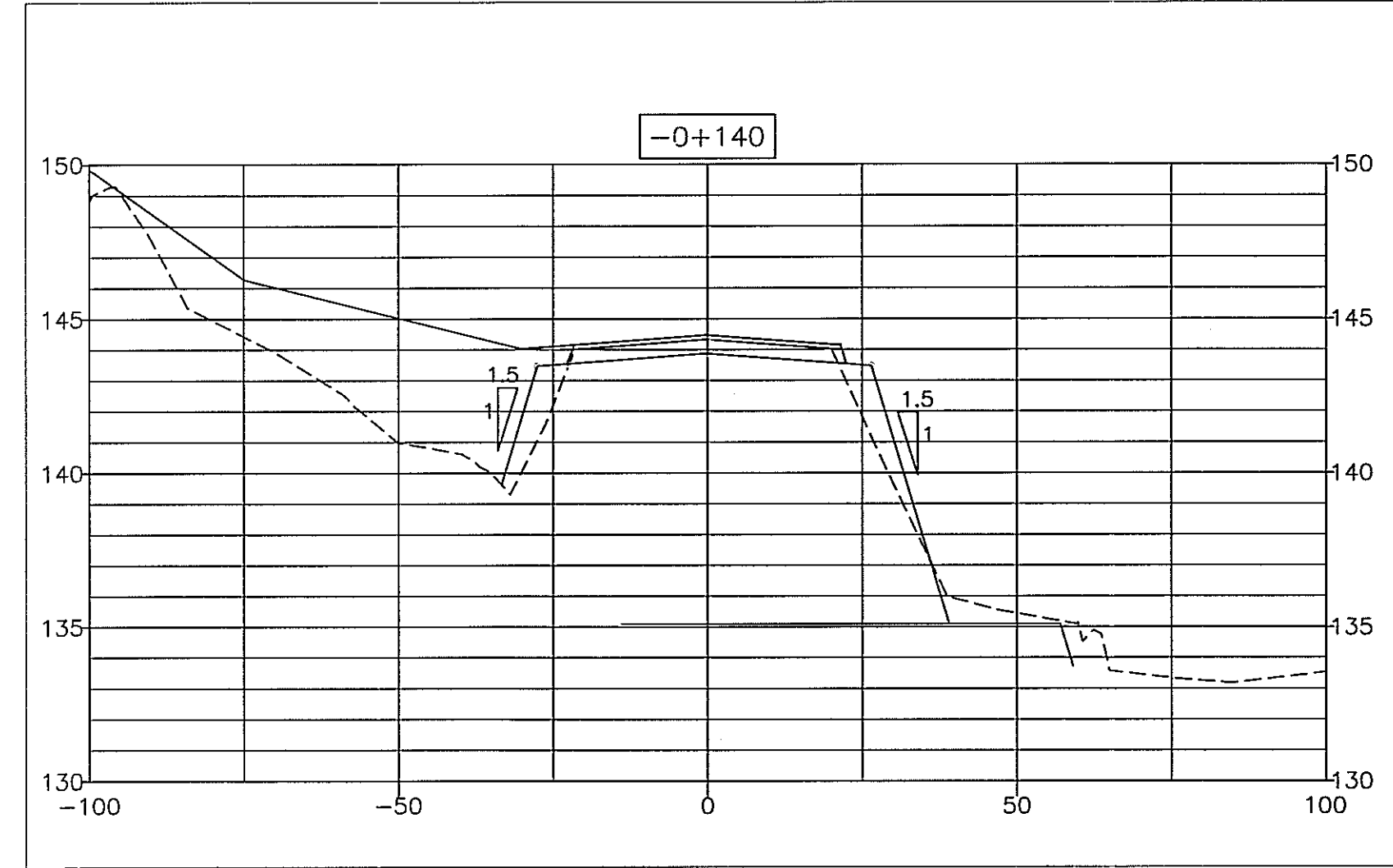
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DRAWING NO. MEAD-620-230-202\_1

NO. PROJET PROJECT NO.	OP-79853-J	REVISION	FEUILLE / SHIT
		1	1 / 1



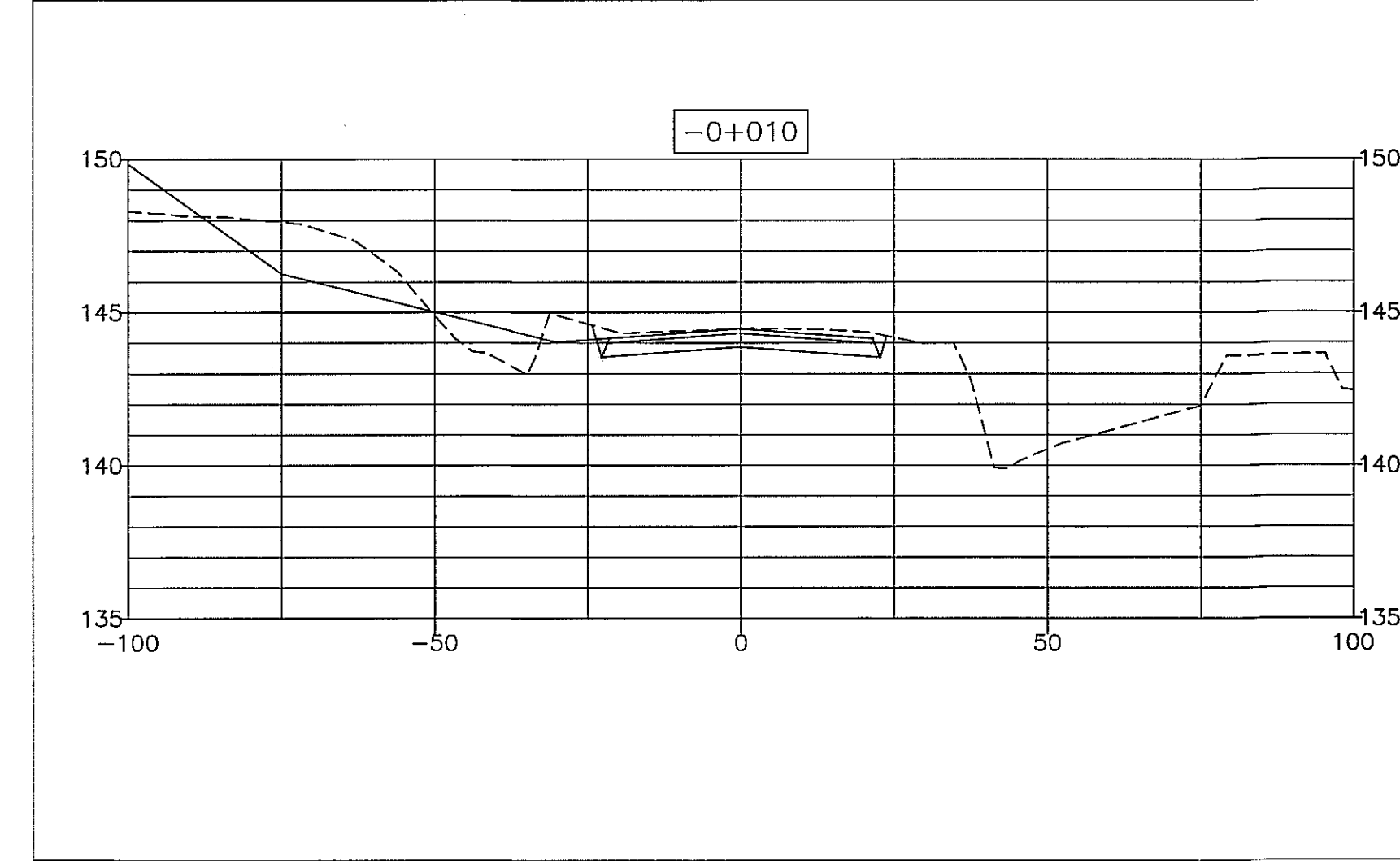
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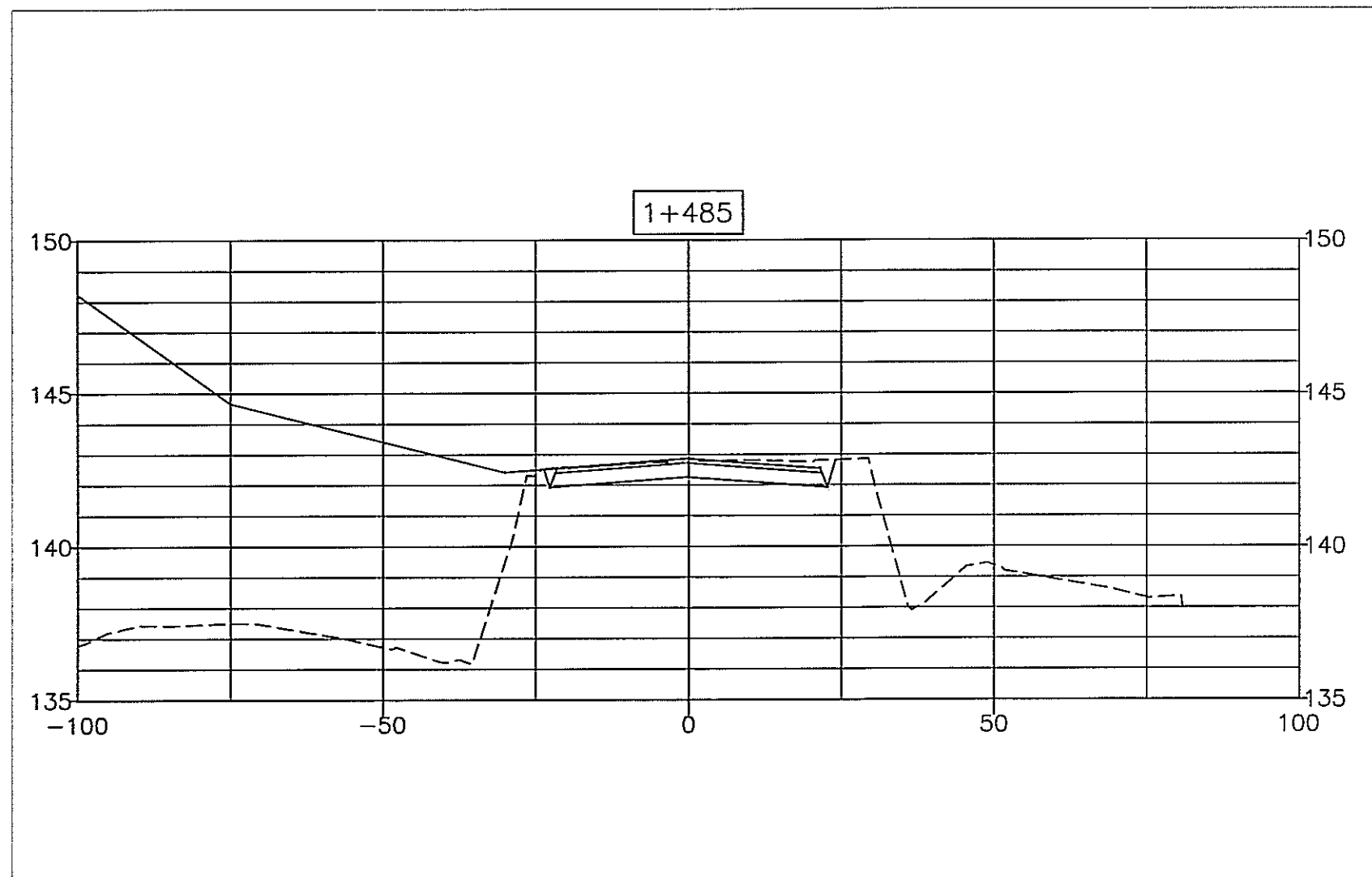
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VERT. 1:200



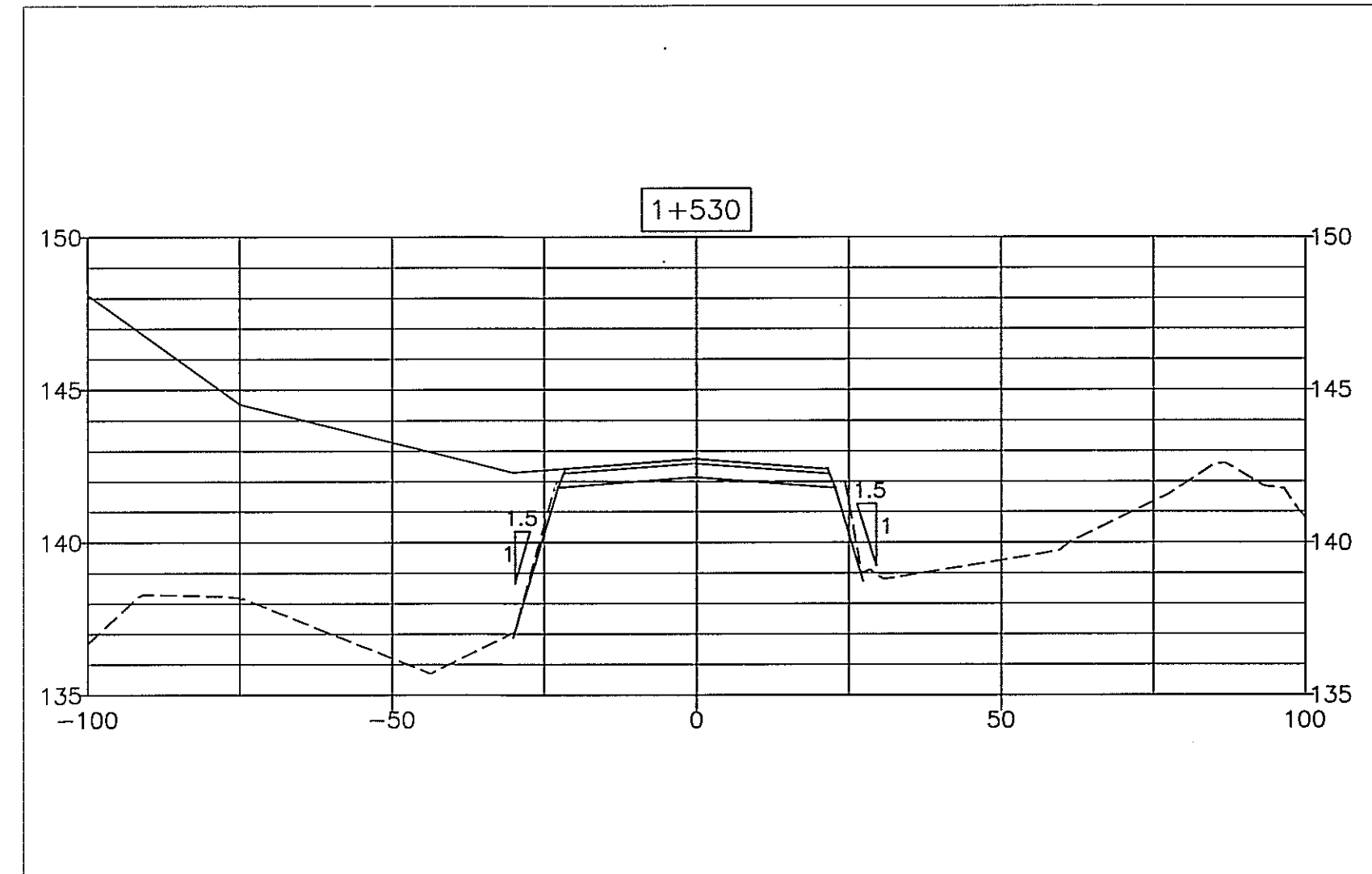
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VERT. 1:200



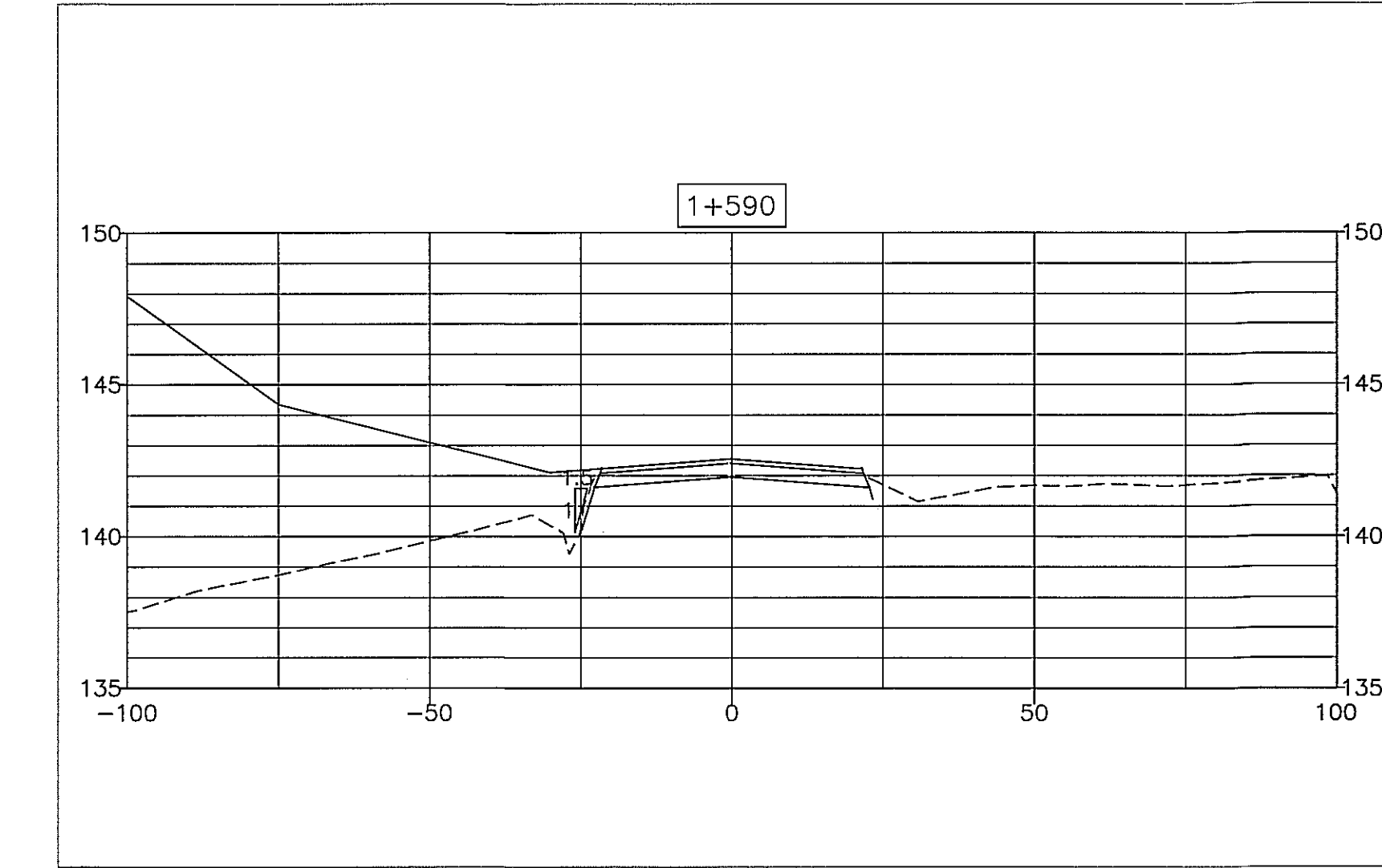
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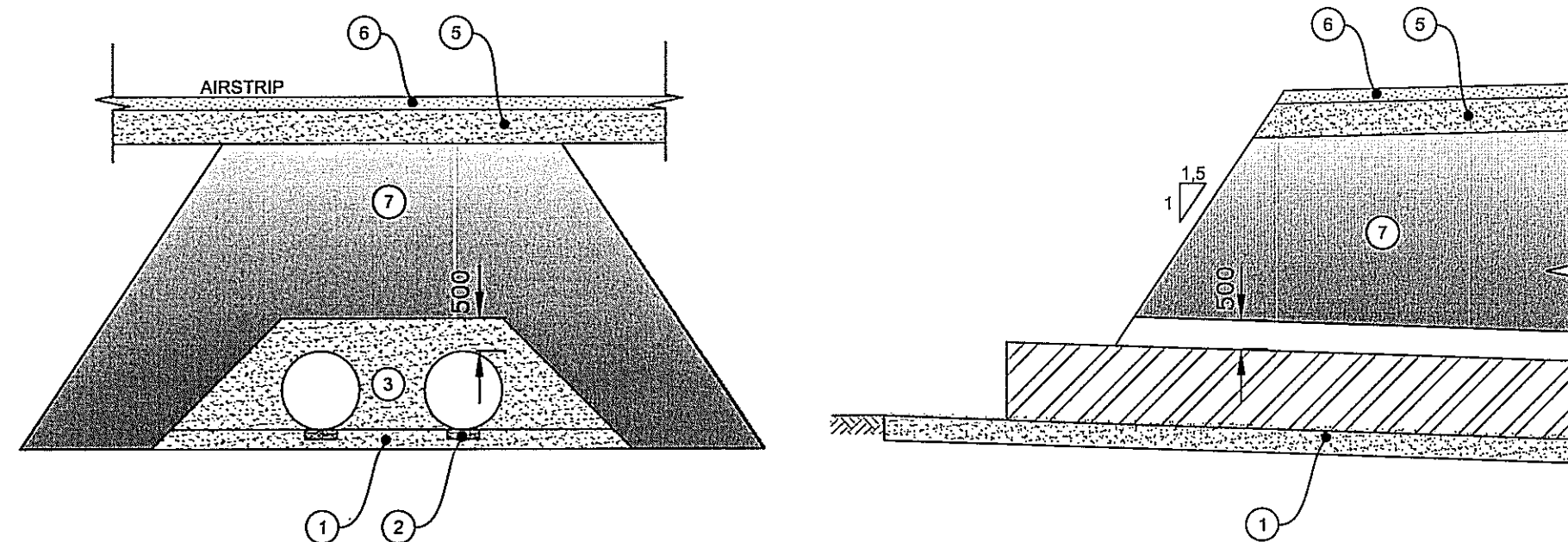
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VERT. 1:200



CROSS SECTION

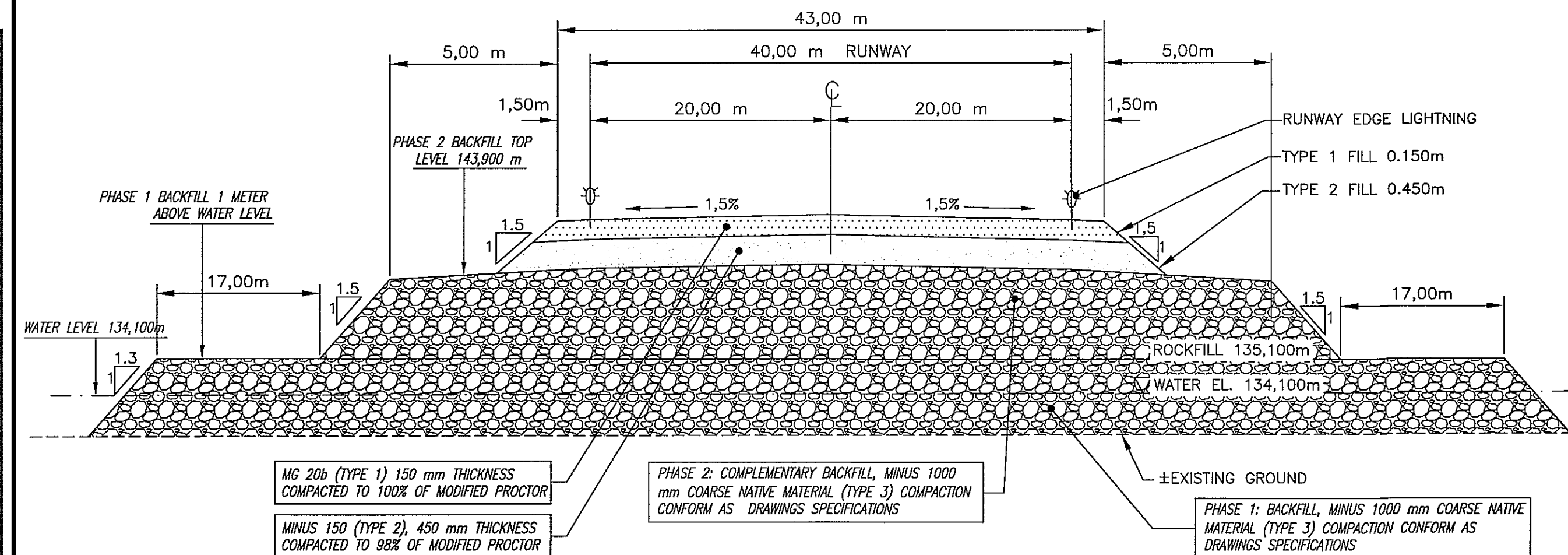
SCALE HOR. 1:1000  
VERT. 1:200



CULVERT - TYPICAL CROSS SECTION

NO SCALE

- ① SUPPORT PAD BUILT IN MG 20, 150 mm THICKNESS COMPACTED TO 90 % M.P.
  - ② UNCOMPACTED PORTION OF THE SUPPORT
  - ③ LATERAL EMBANKMENT MG 20 TO 1/2 OF DIAMETER, COMPACTED TO 93% M.P. BY LAYER NOT EXCEEDING 150 mm THICKNESS. FILL EACH SIDE NOT EXCEEDING 300 mm DIFFERENCE BETWEEN THE 2 SIDES.
  - ④ PROTECTION COVERING WITH MG 20 COMPACTED TO M.P. BY LAYER OF 300 mm THICKNESS.
  - ⑤ SUBFOUNDATION, MINUS 150, 450 mm THICKNESS, COMPACTED TO 98% M.P.
  - ⑥ FOUNDATION MG 20b, 150 mm THICKNESS, COMPACTED TO 100% M.P.
  - ⑦ ROCKFILL EMBANKMENT.
- NOTES :
- JOINTS SHOULD BE COVERED WITH A TYPE GEOTEXTILE TEXEL GEOSOL 7616, OF A WIDTH EXCEEDING 600 mm SIDES FITTINGS AND A LENGTH TO GO AROUND THE DIAMETER WITH A 600 mm OVERLAP.
  - COMPACTORS MUST NOT RUN IN THE REGION OF 300 mm LOCATED JUST ABOVE THE PIPE.
  - THE ONLY EQUIPMENT ALLOWED COMPACTOR ARE VIBRATORY PLATES AND VIBRATORY DRUM ROLLERS WHOSE TOTAL FORCE APPLIED MUST NOT EXCEED 50 kN ON THE FIRST METER ABOVE THE PIPE.



TYPICAL CROSS SECTION  
SECTION - LAKE

NO SCALE

PLAN CLE  
KEY PLAN

NOTES GÉNÉRAL / GENERAL NOTES

TEL QUE CONSTRUIT  
AS BUILT  
AGNICO EAGLE  
DATE : 2013-06-07

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

1	2013-06-07	AS BUILT	Y.B.	R.M.	A.H.
0	2012-12-07	FOR CONSTRUCTION	Y.B.	R.M.	A.H.
B	2012-12-03	FOR APPROVAL	Y.B.	R.M.	A.H.
A	2012-11-19	FOR APPROVAL	Y.B.	R.M.	A.H.
REV.	DATE	DESCRIPTION	PAR/APP.	APP.	CLIENT

REVISIONS



TITRE / TITLE  
AGNICO-EAGLE - MEADOWBANK DIVISION  
AIRPORT DESIGN FOR BOEING 737  
CODE NUMBER : 3 CODE LETTER : C  
NON-PRECISION APPROACH RUNWAY  
2012 EXPANSION RUNWAY  
CROSS SECTION

DESSIN PAR  
DRAWN BY  
YVES BOISVERT, T.P.

DATE  
2012-11-19

VÉRIFIÉ PAR  
CHECKED BY  
RICHARD MARCOUX, ing.

DATE  
2012-11-19

APPROUVÉ PAR  
APPROVED BY

ÉCHELLE  
SCALE  
1 : 2500

DATE  
19 NOVEMBRE 2012

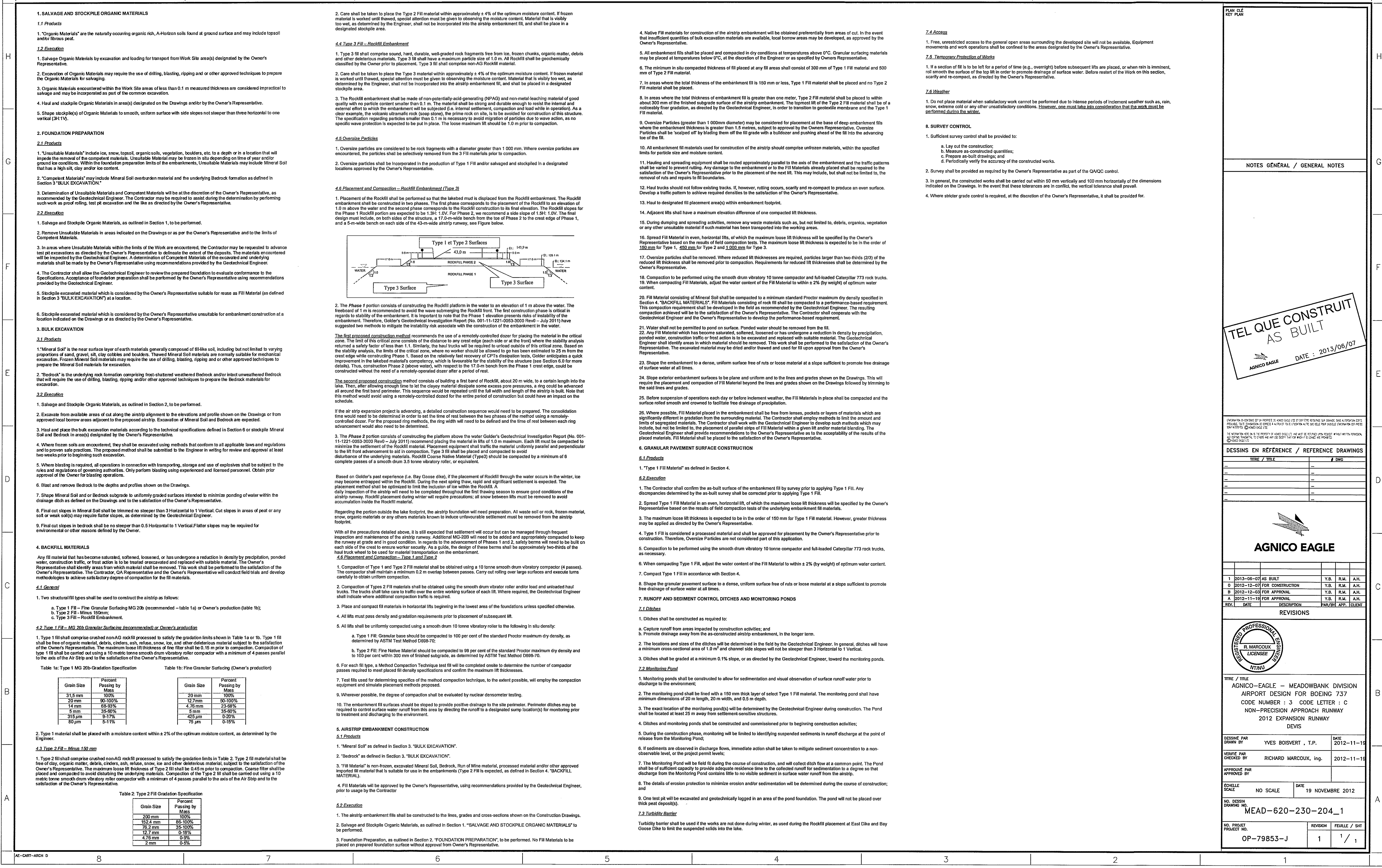
NO. DESSIN  
DRAWING NO.  
MEAD-620-230-203\_1

NO. PROJET  
PROJECT NO.  
OP-79853-J

REVISION  
1

FEUILLE / SHEET  
1 / 1





## AGNICO EAGLE

1	2013-06-07	AS BUILT	Y.B.	R.M.	A.H.	
0	2012-12-07	FOR CONSTRUCTION	Y.B.	R.M.	A.H.	
B	2012-12-03	FOR APPROVAL	Y.B.	R.M.	A.H.	
A	2012-11-19	FOR APPROVAL	Y.B.	R.M.	A.H.	
REV.	DATE	DESCRIPTION	PAB/BT	APP.	CHEAT	

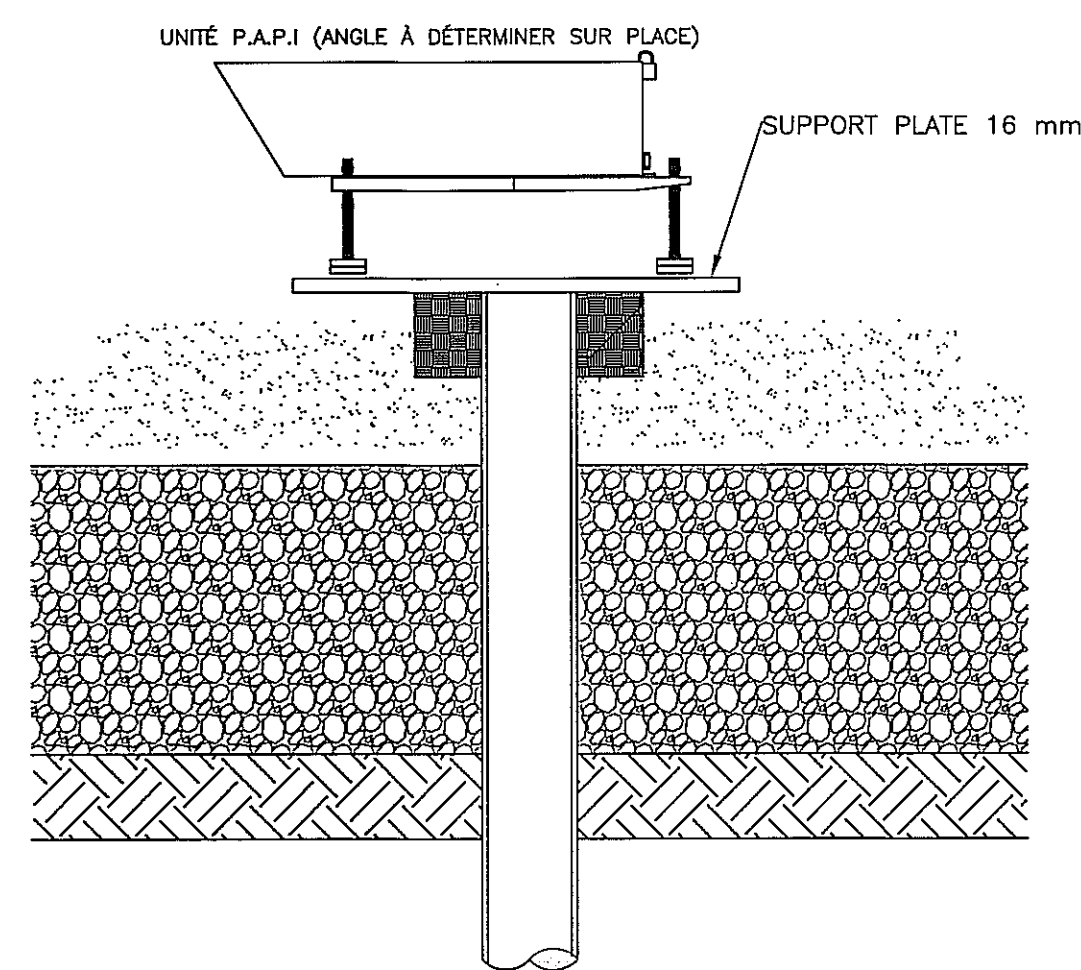
TITLE / TITLE  
AGNICO—EAGLE — MEADOWBANK DIVISION  
AIRPORT DESIGN FOR BOEING 737  
CODE NUMBER : 3 CODE LETTER : C  
NON—PRECISION APPROACH RUNWAY  
2012 EXPANSION RUNWAY  
DEVIS

APPROUVE PAR APPROVED BY	
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NO. DESSIN  
DRAWING NO. MEAD-620-230-204\_1

NO. PROJ PROJECT NO.	REVISION	FEUILLE / SHT
OP-79853-J	1	1 / 1





Échelle: AUCUNE

 **COUPE**  
Échelle: AUCUNE

EL. VARIABLE

TOP OF THE PILE HEAD

TUYAU ø 168 mm DIA. EXT.  
(CEDULE 40)  
(FY min. = 350 MPa)

MORTIER MS CABLE GROUT  
DE "KING" (OU ÉQUIVALENT  
ACCEPTÉ)

CHANFREIN

C.P.

0 45°

DESSUS DE L'ASSISE ROCHEUSE

L. VARIABLE

1200

PIED DU PIEU

ÉL. VARIABLE

VARIABLE

Échelle: AUCUNE

 COUPE  
Échelle: AUCUNE

Échelle: AUCUNE

-PIEU Ø168

PIED DU PIEU  
ÉL. VARIABLE

Échelle: AUCUNE

**General**

- ## Structures

- Quality steel G40.21-M 300W (44W);
- Steel structure G40.21-M 300W (44W);
- HSS 350W (50W).

4. The practices and plans for welding must comply with requirements of CSA W59 (latest edition) and shall be implemented by a manufacturer certified for Division 1 or 2 of W47.1 (latest edition).

5. The manufacturer is fully responsible for welding but welding procedures must be approved by the project engineer prior to assembly is completed.

6. Any substitution must be approved by the project engineer. However, the contractor is responsible to ensure compliance with the required dimensions.

7. Exterior painting:

- Do SP-1 (DEVPREP 88) followed by a surface preparation SP-6 (profile 1.5 to 2 MILL. maximum);
- Apply one (1) to two (2) coats of epoxy BAR-RUST 235 (8-10 MILL. thickness total dry);
- Apply one (1) 379 Devthane layer of UV resistant (2-3 MILL. thickness total dry);
- Color: rust Bar 235 # DC2973 pale gray of Devco (structure).

8. The manufacturing tolerance of the external dimensions of these parts is 3 mm.

9. Bolted assembly to the site

## Piles

1. The head of a pile can not be more than 50 mm from the specified location. The misalignment of a pile along its length must not exceed 2% of its length.
2. When installed the top of the piles should be covered to prevent water or debris accumulate at the bottom and, until the concrete is poured in and around the pile.
3. Piles are provided by the owner and installed by the contractor.
4. Splices must be fully penetrated welding chamfered. All welding must be performed by a company certified by the Canadian Welding Bureau (CWB) to CSA W47.1-2003 and comply with the requirements of CSA W59-2003 (the cards are required).
5. The piles are filled with concrete King's MS Cable Guard or approved equivalent.
6. The contractor or subcontractor shall submit to the Engineer detailed shop drawings, base plate, splice, protection method, and any other important notes with calculation before proceeding with the work. The shop drawings must be signed and sealed by an engineer registered member of IMPEG.
7. The Contractor shall keep a book specific to each pile and deliver to the Engineer three (3) copies of the book. The Contractor shall take the level of piles at the end having returned. No concrete pour will take place until all piles non-compliant is completed.
8. The contractor shall install piles in compliance with Ethics and the Rules of Law, while considering the current plans of the ground, the bottom of the excavation and following recommendations mentioned above.

PLAN CLE  
KEY PLAN

1. **Introduction**

NOTES GÉNÉRAL / GENERAL NOTES

TEL QUE CONSTRUIT  
AS BUILT

 AGNICO EAGLE

DATE : 07/06/2013

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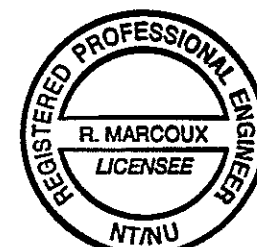
DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
—	—
—	—
—	—
—	—
—	—

## AGNICO EAGLE

1	2013-05-21	AS BUILT	Y.B.	R.M.	A.H.	
0	2012-12-07	FOR CONSTRUCTION	I.P.	R.M.	A.H.	
REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLEN	

## REVISIONS



TITLE / TITLE  
AGNICO-EAGLE - MEADOWBANK DIVISION  
AIRPORT DESIGN FOR BOEING 737  
CODE NUMBER : 3 CODE LETTER : C  
NON-PRECISION APPROACH RUNWAY  
1752 m (5748')  
2012 EXPANSION RUNWAY

DESSINÉ PAR DRAWN BY	YVES BOISVERT. I.P.	DATE 2012-11-
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VERIFIÉ PAR CHECKED BY	RICHARD MARCOUX, ing.	2012-11-
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APPROUVE PAR APPROVED BY	
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ÉCHELLE SCALE	NO SCALE	DATE 19 DÉCEMBRE 2012
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NO. DESSIN  
DRAWING NO. MEAD-620-230-205

NO. PROJET PROJECT NO.  OP-79853-J	REVISION	FEUILLE / SHEET
	1	1 / 1

Appendix C - Daily monitoring data and TSS/ turbidity relationship & Multilab  
certificates of analysis

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Table B1: Airstrip Extension Turbidity Profiles by day

Date	Station	Time	GPS Coordinate	Max (m)	Turbidity Reading at Depth (meters below surface; units: NTU)							
					0	1	2	3	4	5	6	
UTM 14W NAD 83												
	ST-AS-1											
2013-02-05	ST-AS-2	11:45	637098.00	7214785.00	3.2		0.040	0.000	0.000			
2013-02-05	ST-AS-3	11:30	637086.00	7214833.00	4.8		0.010	0.000	0.000	0.000		
2013-02-05	ST-AS-4	11:17	637091.00	7214870.00	5.0		0.320	0.000	0.000	0.000		
	ST-AS-5											
2013-03-13	ST-AS-2	16:45	637098.00	7214785.00	4.2		0.000	0.000	0.000	0.000		
2013-03-13	ST-AS-3	16:35	637086.00	7214833.00	4.7		0.200	0.000	0.000	0.000		
2013-03-13	ST-AS-4	16:27	637091.00	7214870.00	5.6		0.070	0.000	0.000	0.000	0.000	
2013-03-20	ST-AS-2	9:23	637098.00	7214785.00	4.2		0.410	0.140	0.020			
2013-03-20	ST-AS-3		637086.00	7214833.00	4.7							
2013-03-20	ST-AS-4		637091.00	7214870.00			1.020	1.640	1.220	0.650		
2013-03-22	ST-AS-2	16:30	637098.00	7214785.00	3.5		3.390	0.000	0.000			
2013-03-22	ST-AS-3	16:10	637086.00	7214833.00	5.0		0.310	0.000	0.000	0.000		
2013-03-22	ST-AS-4	11:25	637091.00	7214870.00	5.0		1.930	0.000	0.000	0.000		
2013-03-23	ST-AS-2	9:40	637098.00	7214785.00	3.5		1.570	0.000	0.000			
2013-03-23	ST-AS-3	9:55	637086.00	7214833.00	5.0		0.310	0.000	0.000	0.000		
2013-03-23	ST-AS-4	10:05	637091.00	7214870.00	5.0		0.420	0.000	0.000	0.000		
2013-03-24	ST-AS-2	16:30	637098.00	7214785.00	3.1		1.850	0.060	0.000			
2013-03-24	ST-AS-3	16:05	637086.00	7214833.00	4.5		2.980	0.000	0.000	0.000	0.000	
2013-03-24	ST-AS-4	15:45	637091.00	7214870.00	4.3		1.890	0.000	0.070	0.000		
2013-03-25	ST-AS-2	17:05	637098.00	7214785.00	3.1		0.560	0.010	0.000			
2013-03-25	ST-AS-3	16:50	637086.00	7214833.00	4.6		3.340	0.060	0.010	0.000		
2013-03-25	ST-AS-4	16:35	637091.00	7214870.00	4.6		1.510	0.490	0.000	0.000		
2013-03-26	ST-AS-2	16:50	637098.00	7214785.00	3.1		0.470	0.000	0.000			
2013-03-26	ST-AS-3	16:39	637086.00	7214833.00	4.6		0.710	0.010	0.010	0.050		
2013-03-26	ST-AS-4	16:28	637091.00	7214870.00	4.6		1.290	0.010	0.020	0.010		
2013-03-27	ST-AS-2	14:45	637098.00	7214785.00	3.1		0.570	0.030	0.000			
2013-03-27	ST-AS-3	14:35	637086.00	7214833.00	4.6		0.490	0.010	0.000	0.040		
2013-03-27	ST-AS-4	14:20	637091.00	7214870.00	4.6		1.060	0.010	0.210	0.340		
2013-03-28	ST-AS-2	14:32	637098.00	7214785.00	3.1		1.990	0.000	0.000			
2013-03-28	ST-AS-3	14:22	637086.00	7214833.00	4.6		2.490	0.030	0.010	0.000		
2013-03-28	ST-AS-4	14:17	637091.00	7214870.00	4.6		0.710	0.020	0.000	0.160		
2013-03-29	ST-AS-2	14:40	637098.00	7214785.00	3.1		3.810	0.690	0.140			
2013-03-29	ST-AS-3	14:47	637086.00	7214833.00	4.6		0.550	0.000	0.000	0.000		
2013-03-29	ST-AS-4	12:57	637091.00	7214870.00	4.6		0.420	0.000	0.000	0.000		
2013-03-30	ST-AS-2	17:16	637098.00	7214785.00	3.1		5.340	0.810	0.000			
2013-03-30	ST-AS-3		637086.00	7214833.00								
2013-03-30	ST-AS-4		637091.00	7214870.00								
2013-03-31	ST-AS-2	12:07	637098.00	7214785.00	3.1		7.430	0.100	0.000			
2013-03-31	ST-AS-3	11:47	637086.00	7214833.00	4.7		5.750	0.000	0.000	0.000	0.000	
2013-03-31	ST-AS-4	11:31	637091.00	7214870.00	4.7		1.480	0.000	0.000	0.000		
2013-04-01	ST-AS-2	10:18	637098.00	7214785.00	3.1		7.760	0.000	0.000			
2013-04-01	ST-AS-3	10:31	637086.00	7214833.00	4.7		3.410	0.000	0.000	0.000	0.000	
2013-04-01	ST-AS-4	10:52	637091.00	7214870.00	4.7		5.040	0.000	0.000	0.000		
2013-04-02	ST-AS-2	11:43	637098.00	7214785.00	3.1		6.890	0.030	0.000			
2013-04-02	ST-AS-3	11:54	637086.00	7214833.00	4.7		5.520	0.020	0.000	0.000	0.000	
2013-04-02	ST-AS-4	12:02	637091.00	7214870.00	4.7		3.960	0.000	0.000	0.000		
2013-04-03	ST-AS-2	15:24	637098.00	7214785.00	3.1		2.470	0.000	0.000			
2013-04-03	ST-AS-3	15:38	637086.00	7214833.00	4.7		1.230	0.000	0.000	0.000	0.000	
2013-04-03	ST-AS-4	15:52	637091.00	7214870.00	4.7		2.080	0.010	0.000	0.000	0.000	
2013-04-06	ST-AS-2	15:05	637098.00	7214785.00	3.1		6.100	0.830	0.000			
2013-04-06	ST-AS-3	14:55	637086.00	7214833.00	4.7		3.580	0.020	0.000	0.000	0.000	
2013-04-06	ST-AS-4	14:31	637091.00	7214870.00	4.7		6.060	0.330	0.000	0.000		

# AEM Dike Construction Monitoring 2010- from Azimuth Feb 2010

memo

intercept: 0.62196

slope: 0.95619

DO NOT CHANGE

TSS (mg/L)	Turbidity (NTU)	TSS (mg/L)	Turbidity (NTU)	TSS (mg/L)	Turbidity (NTU)
0.2	1	16.2	60	102	350
0.5	2	16.8	62	110	375
1.0	4	17.3	64	118	400
1.5	6	17.9	66	125	425
2.0	8	18.5	68	133	450
2.5	10	19.0	70	141	475
3.0	12	19.6	72	149	500
3.5	14	20.2	74	180	600
4.1	16	20.7	76	211	700
4.6	18	21.3	78	243	800
5.1	20	21.9	80	275	900
5.7	22	22.4	82	307	1000
6.2	24	23.0	84	339	1100
6.8	26	23.6	86	371	1200
7.3	28	24.2	88	404	1300
7.8	30	24.7	90	436	1400
8.4	32	25.3	92	469	1500
8.9	34	25.9	94	502	1600
9.5	36	26.5	96	535	1700
10.0	38	27.0	98	567	1800
10.6	40	28	100	601	1900
11.1	42	35	125	634	2000
11.7	44	42	150	667	2100
12.3	46	50	175	700	2200
12.8	48	57	200	733	2300
13.4	50	64	225	767	2400
13.9	52	72	250	800	2500
14.5	54	80	275		
15.1	56	87	300		
15.6	58	95	325		

## Results summary

Client: **Agnico Eagle Division Meadowbank**  
Company: M. Stéphane Robert  
Address: General Delivery  
Baker Lake Nunavut X0C 0A0  
Phone: (604) 677-0689 (--)  
Fax: (604) 677-0687

Date received: February 08, 2013  
Sampled by: M. Theriault/T. Thompson  
Matrix: Waste Water

Lab number:	24598	24599	24600	24601
Sample name:	ST-AS-2	ST-AS-3	ST-AS-4	ST-AS-4 DUP
Sampling date:	05-02-2013	05-02-2013	05-02-2013	05-02-2013
Total Suspended Solids mg/L	1	1	2	<1

These results are as followed on the Certificate's analysis of the corresponding project number.

In case of difference between these files , the results are singed on the results summary

Reported on: March 29, 2013



## Results summary

Client: **Agnico Eagle Division Meadowbank**

Company: M. Stéphane Robert

Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--)

Fax: (604) 677-0687

Date received: March 26, 2013

Sampled by: Robin Allard

Matrix: Waste Water

Lab number:	25081	25082	25083	25084	25085	25086
Sample name:	ST-AS-2	ST-AS-4	ST-AS-2	ST-AS-3	ST-AS-3 DUP	ST-AS-4
Sampling date:	20-03-2013	20-03-2013	24-03-2013	24-03-2013	24-03-2013	24-03-2013
Total Suspended Solids mg/L	<1	<1	7	3	3	<1

These results are as followed on the Certificate's analysis of the corresponding project number.

In case of difference between these files , the results are singed on the results summary

Reported on: March 29, 2013

## Quality control Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert

Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--)

Fax: (604) 677-0687

**Lab number:** Multiple

Date received: 26-mars-13

Sampled by: Robin Allard

Matrix: Waste Water

Parameter	Standard				Sample duplicate	
	Limit	Nom	Obtenue	Intervalle	1	2
M.E.S. mg/L	<1	VR-0638-2012	91	72 - 114		

Lab number: 25081:25086

Results relate only to the sample tested.

This report shall not be reproduced except in full without the written authority of the laboratory.

All samples will be disposed of after 30 days following analysis.

Reported on: March 29, 2013

## Results summary

Client: **Agnico Eagle Division Meadowbank**  
Company: M. Stéphane Robert  
Address: General Delivery  
Baker Lake Nunavut X0C 0A0  
Phone: (604) 677-0689 (--)  
Fax: (604) 677-0687

Date received: April 03, 2013  
Sampled by: Martin Theriault/Tom Thomson  
Matrix: Water

Lab number:	25237	25238	25239	25240
Sample name:	ST-AS-2	ST-AS-2 Dup	ST-AS-3	ST-AS-4
Sampling date:	31-03-2013	31-03-2013	31-03-2013	31-03-2013
Total Suspended Solids mg/L	25	23	3	7

These results are as followed on the Certificate's analysis of the corresponding project number.  
In case of difference between these files , the results are singed on the results summary

Reported on: April 04, 2013

## Quality control Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert

Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--)

Fax: (604) 677-0687

**Lab number:** Multiple

Date received: 03-avr-13

Sampled by: Martin Theriault/Tom Thomson

Matrix: Water

Parameter	Standard				Sample duplicate	
	Limit	Nom	Obtenue	Intervalle	1	2
M.E.S. mg/L	<1	TD-MES 25mg	24	19 - 31		

Lab number: 25237:25240

Results relate only to the sample tested.

This report shall not be reproduced except in full without the written authority of the laboratory.

All samples will be disposed of after 30 days following analysis.

Reported on: April 04, 2013

## Results summary

Client: **Agnico Eagle Division Meadowbank**  
Company: M. Stéphane Robert  
Address: General Delivery  
Baker Lake Nunavut X0C 0A0  
Phone: (604) 677-0689 (--)  
Fax: (604) 677-0687

Date received: April 10, 2013  
Sampled by: T.Thomson/J.Kataluk  
Matrix: Water

Lab number:	25370	25371	25372	25373
Sample name:	ST-AS-2	ST-AS-2 Dup	ST-AS-3	ST-AS-4
Sampling date:	06-04-2013	06-04-2013	06-04-2013	06-04-2013
Total Suspended Solids mg/L	10	7	<1	2

These results are as followed on the Certificate's analysis of the corresponding project number.  
In case of difference between these files , the results are singed on the results summary

Reported on: April 11, 2013

## Quality control Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert

Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--)

Fax: (604) 677-0687

**Lab number:** Multiple

Date received: 10-avr-13

Sampled by: T.Thomson/J.Kataluk

Matrix: Water

Parameter	Standard				Sample duplicate	
	Limit	Nom	Obtenue	Intervalle	1	2
M.E.S. mg/L	<1	TD-MES 25mg	26	19 - 31		

Lab number: 25370:25373

Results relate only to the sample tested.

This report shall not be reproduced except in full without the written authority of the laboratory.

All samples will be disposed of after 30 days following analysis.

Reported on: April 11, 2013

## Quality control Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert

Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--)

Fax: (604) 677-0687

**Lab number:** Multiple

Date received: 08-févr-13

Sampled by: M. Theriault/T. Thompson

Matrix: Waste Water

Parameter	Standard				Sample duplicate	
	Limit	Nom	Obtenue	Intervalle	1	2
M.E.S. mg/L	<1	VR-0017-2013	101	83 - 131		

Lab number: 24598:24601

Results relate only to the sample tested.

This report shall not be reproduced except in full without the written authority of the laboratory.

All samples will be disposed of after 30 days following analysis.

Reported on: March 29, 2013