
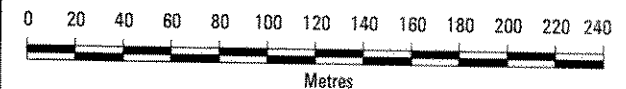


**FIGURE 5**  
**HAMLET OF KUGLUKTUK**  
**SOLID WASTE MANAGEMENT FACILITY**  
**OPERATION AND MAINTENANCE**  
**(O&M) PLAN - MARCH 2007**

## LANDFILL DEVELOPMENT YEAR 1

### Legend

 WASTE PLACEMENT



1:3000  
 March 2007  
 Project Number: FE009754

Prepared by: J. Amsen


Verified by: J. Walls

**Burnside**

**FIGURE 6**  
**HAMLET OF KUGLUKTUK**  
**SOLID WASTE MANAGEMENT FACILITY**  
**OPERATION AND MAINTENANCE**  
**(O&M) PLAN - MARCH 2007**

**LANDFILL DEVELOPMENT**  
**YEAR 5**

**Legend**

 WASTE PLACEMENT



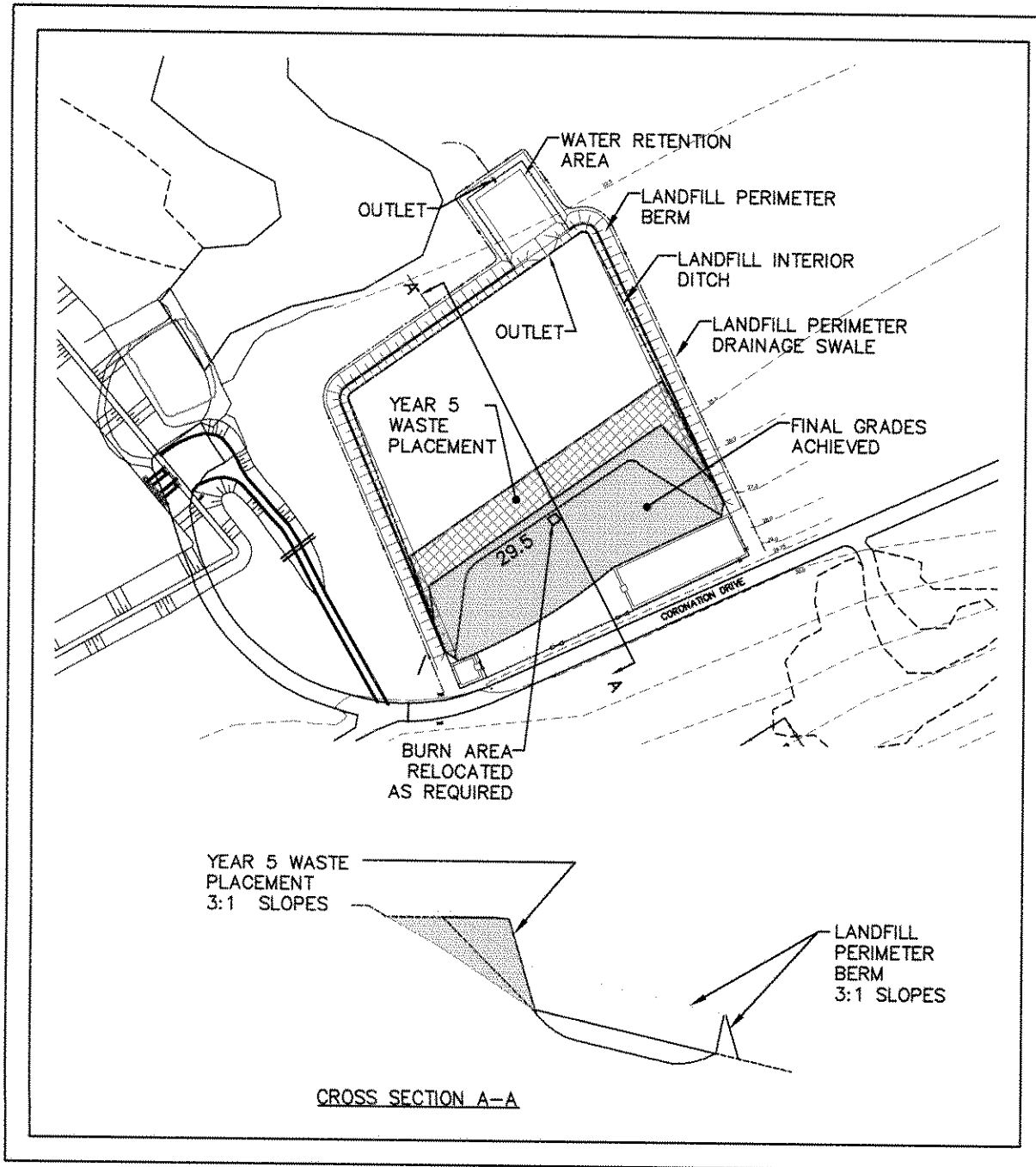
1:3000  
 March 2007  
 Project Number: FE009754

Prepared by: J. Anson

Verified by: J. Walls

**ນັກ** **BURNSIDE**


FE009754 O&M SWF MARCH 2007 LF DEV YR 5.DWG

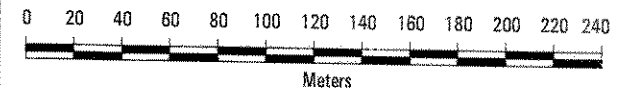
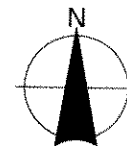


**FIGURE 7**  
**HAMLET OF KUGLUKTUK**  
**SOLID WASTE MANAGEMENT FACILITY**  
**OPERATION AND MAINTENANCE**  
**(O&M) PLAN - MARCH 2007**

**LANDFILL DEVELOPMENT**  
**YEAR 10**

**Legend**

 WASTE PLACEMENT



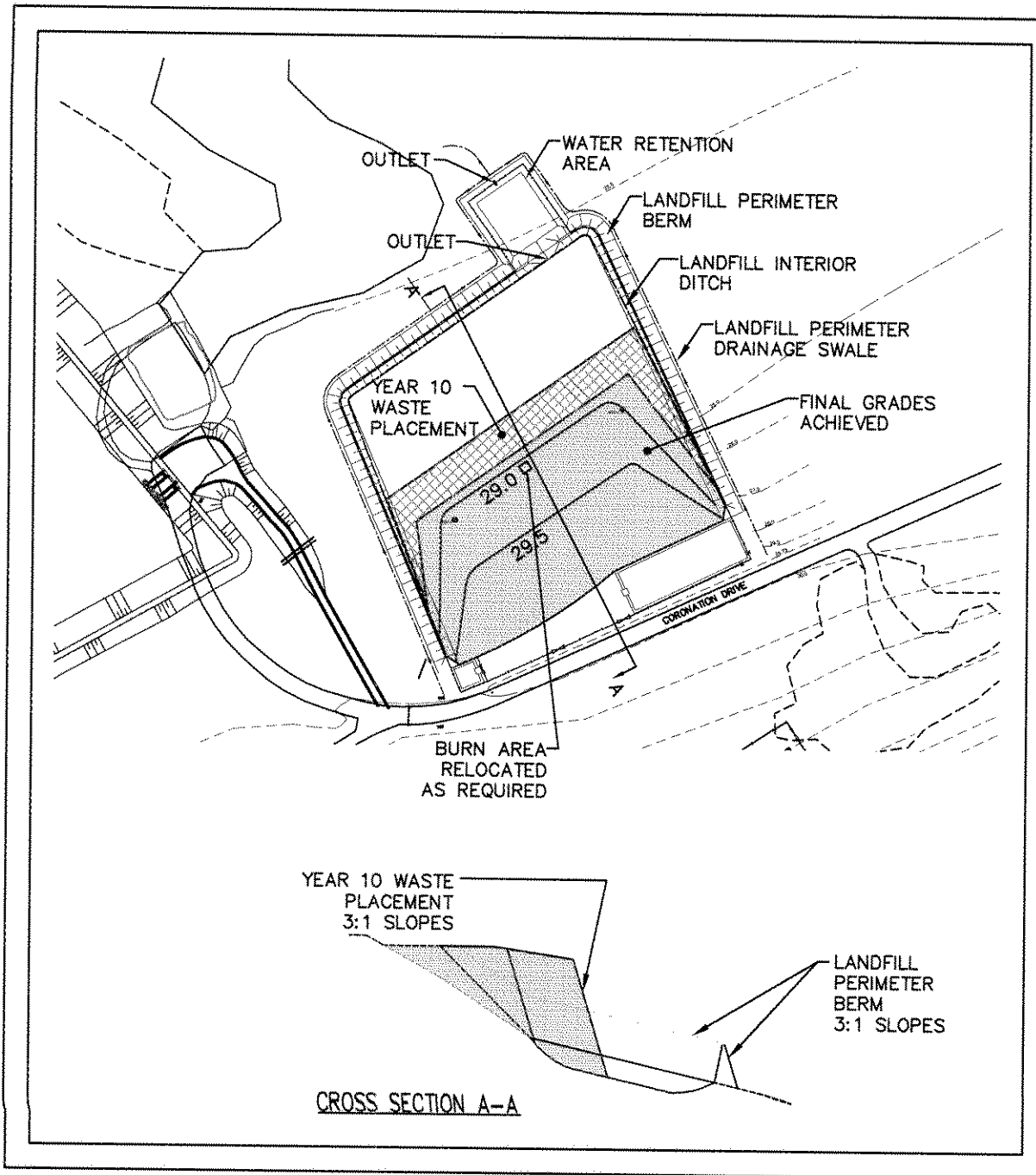
1:3000  
 March 2007  
 Project Number: FEO09754

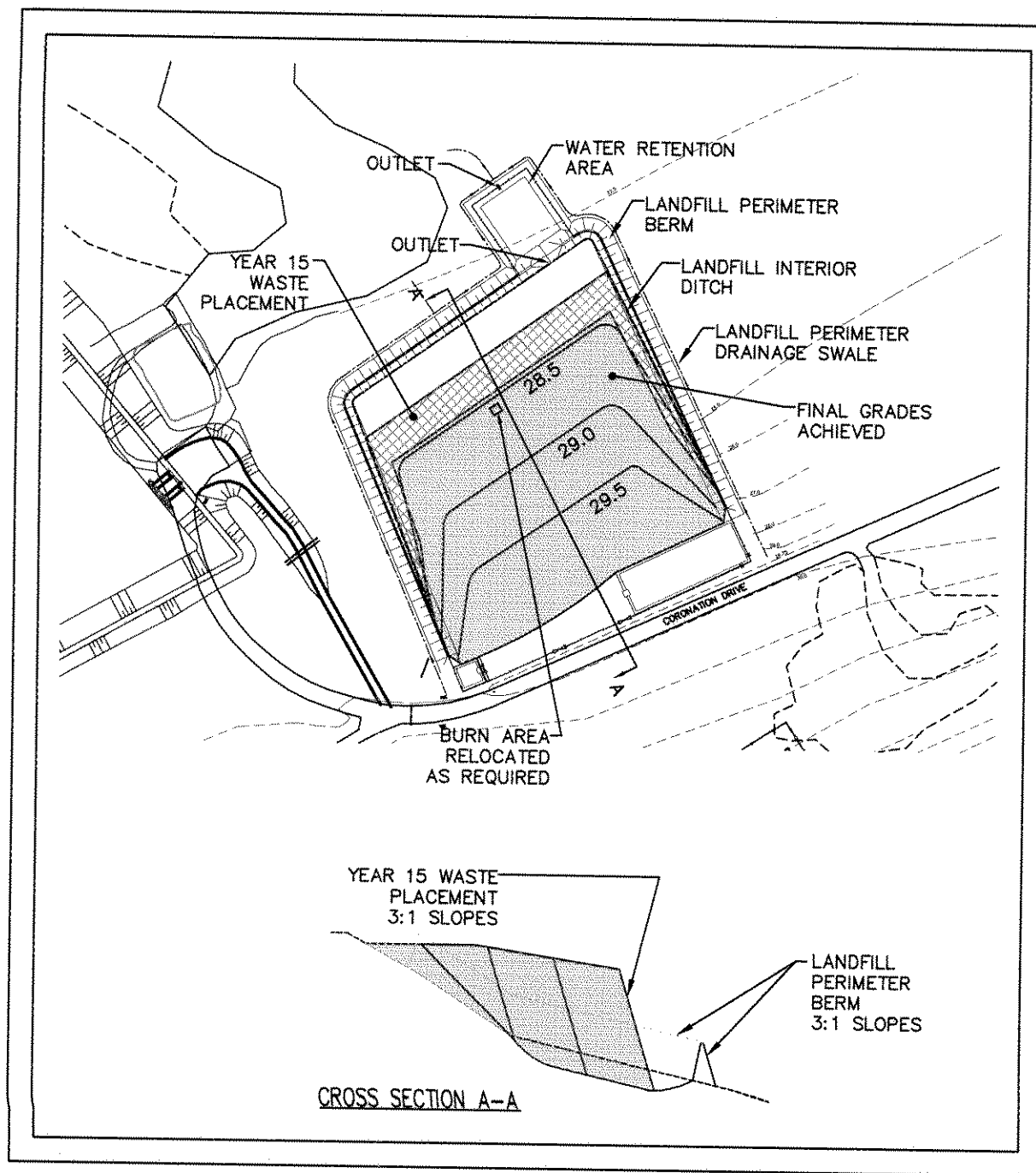
Prepared by: J. Amsen

Verified by: J. Walls

**Burnside**

FEO09754 O&M SWF MARCH 2007 LF DEV YR 10.DWG





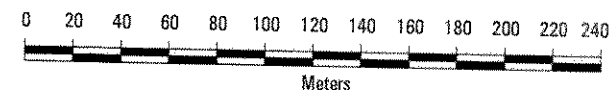
**FIGURE 8**

**HAMLET OF KUGLUKTUK  
SOLID WASTE MANAGEMENT FACILITY  
OPERATION AND MAINTENANCE  
(O&M) PLAN - MARCH 2007**

**LANDFILL DEVELOPMENT  
YEAR 15**

**Legend**

 WASTE PLACEMENT



1:3000

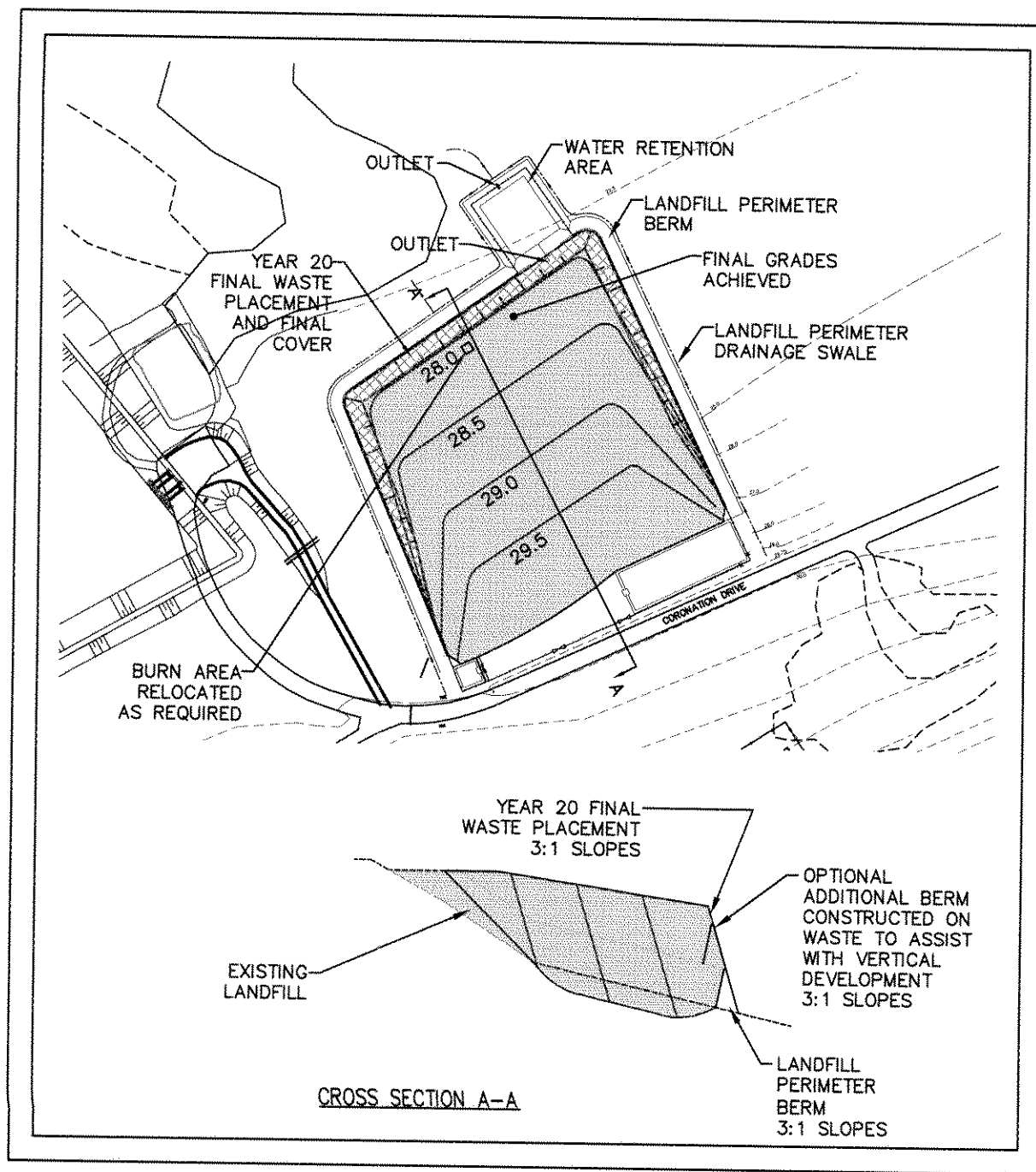
March 2007

Project Number: FE009754

Prepared by: J. Amsen

Verified by: J. Walls

**ᑎᓄᓐᓐ BURNSIDE**




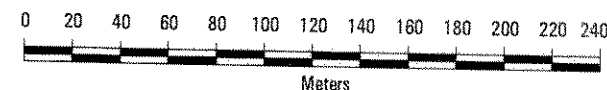
**FIGURE 9**

**HAMLET OF KUGLUKTUK  
SOLID WASTE MANAGEMENT FACILITY  
OPERATION AND MAINTENANCE  
(O&M) PLAN - MARCH 2007**

**LANDFILL DEVELOPMENT  
YEAR 20**

**Legend**

 WASTE PLACEMENT



1:3000

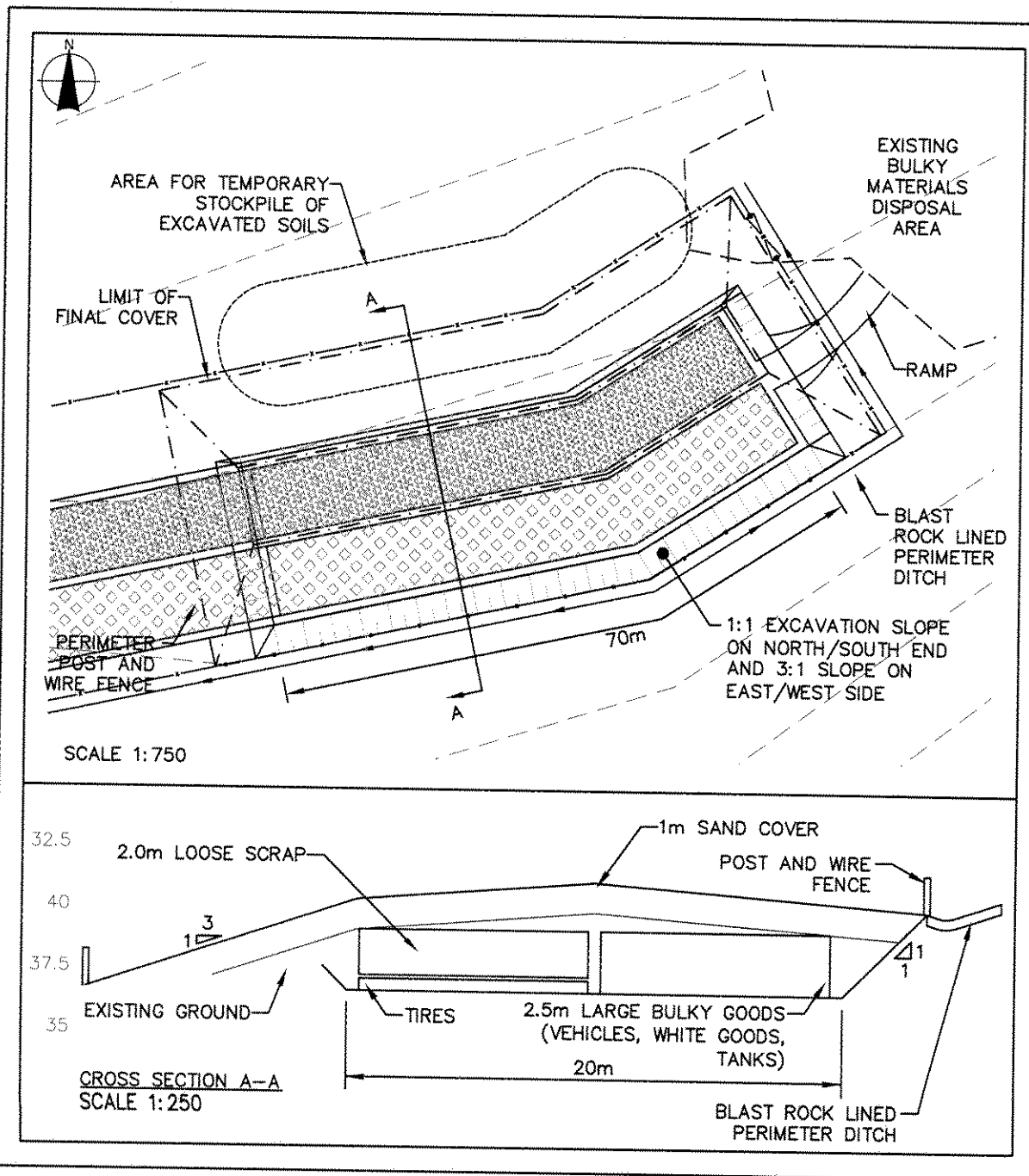
March 2007

Project Number: FE009754

Prepared by: T. Thompson

Verified by: K. Hunter

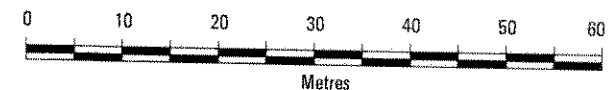
**ᑭᑭᑭᑭ BURNSIDE**



**FIGURE 10**

**HAMLET OF KUGLUKTUK  
SOLID WASTE MANAGEMENT FACILITY  
OPERATION AND MAINTENANCE  
(O&M) PLAN - MARCH 2007**

**BULKY MATERIALS DISPOSAL PIT**



1:750  
March 2007  
Project Number: FE009754

Prepared by: J. Amsen

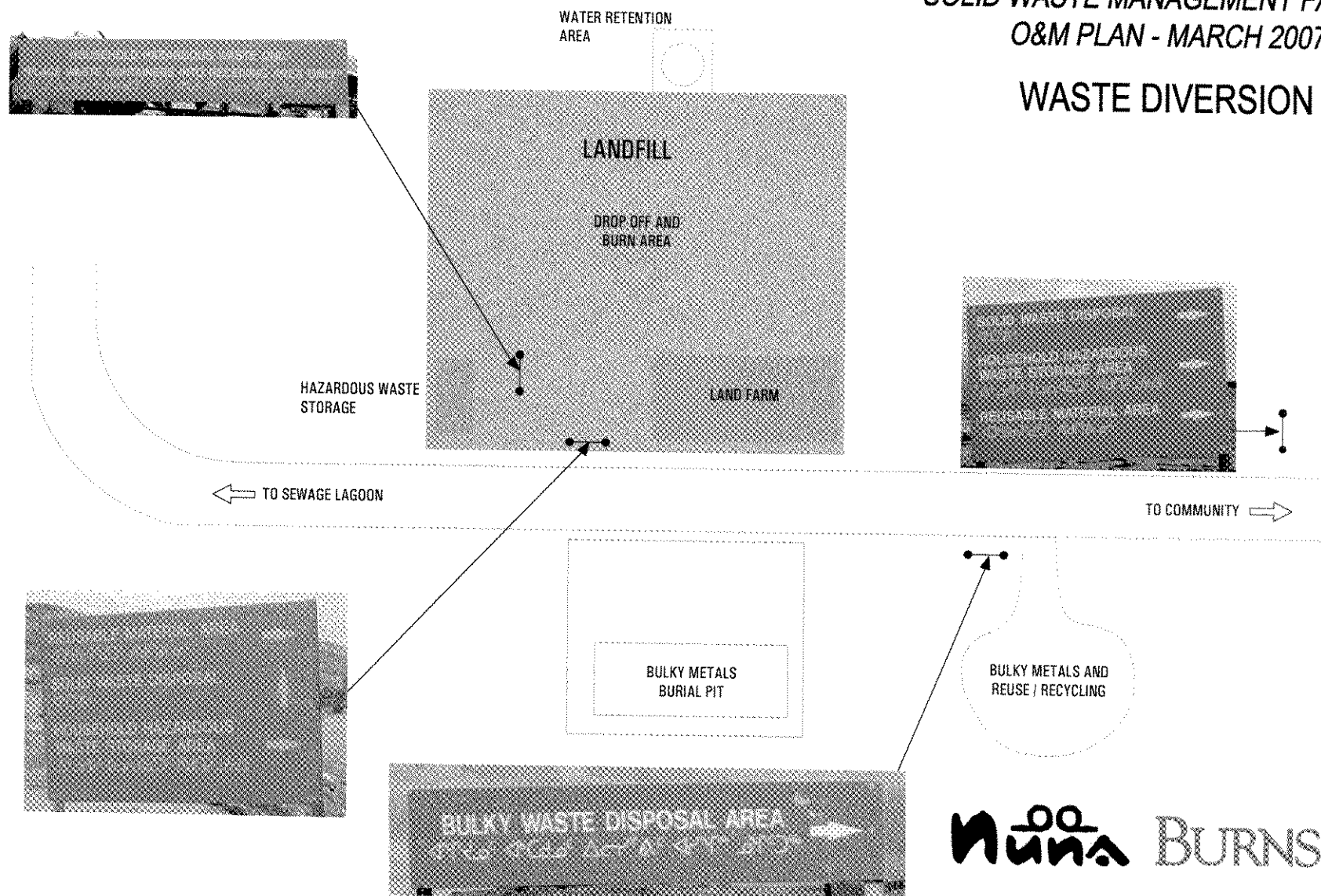
Verified by: J. Walls

**Burnside**

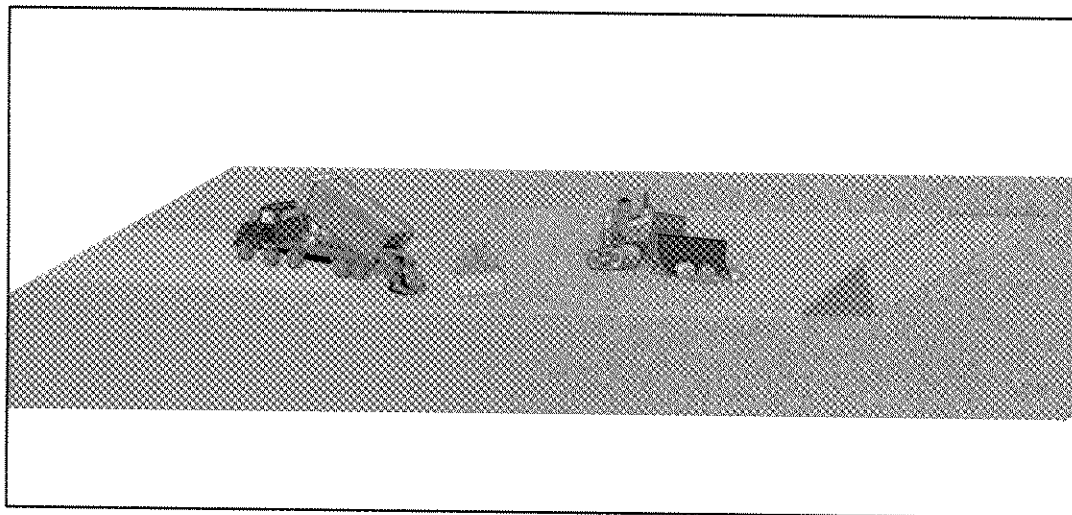
FIGURE 11

HAMLET OF KUGLUKTUK  
SOLID WASTE MANAGEMENT FACILITY  
O&M PLAN - MARCH 2007

WASTE DIVERSION



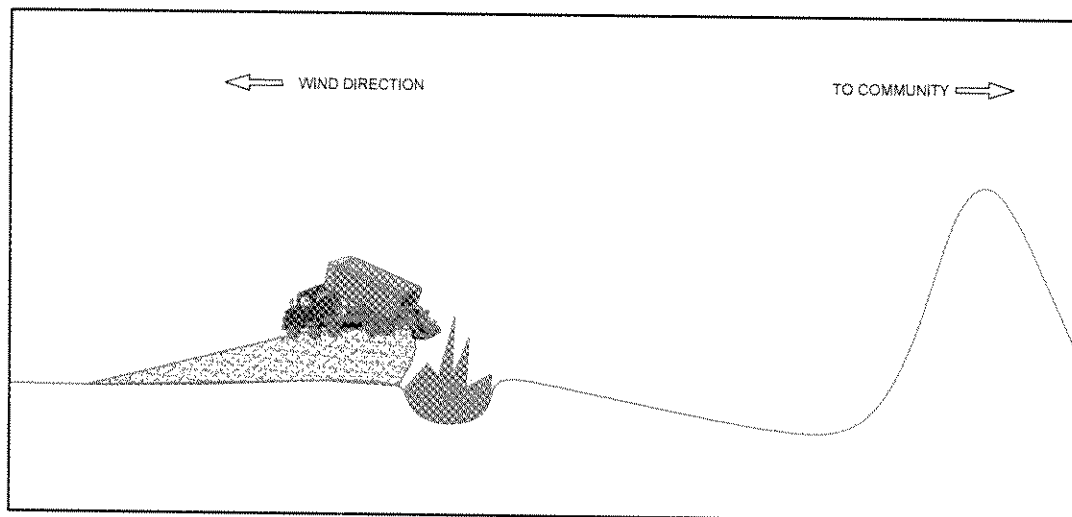
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**FIGURE 12**  
**HAMLET OF KUGLUKTUK**  
**SOLID WASTE MANAGEMENT FACILITY**  
**O&M PLAN - MARCH 2007**

## **DROP OFF & BURNING**

MUNICIPAL WASTE IS DUMPED IN THE DROP OFF AREA. THE GARBAGE TRUCK SHOULD NOT DRIVE ONTO AREAS WITH EXPOSED WASTE THAT COULD DAMAGE THE TIRES.



WASTE IS BURNED IN AN OPEN PILE OR WITHIN A BURN PIT. BURNING IN BURN PIT SHOULD TAKE PLACE WHEN THE WIND IS NOT BLOWING TOWARDS THE COMMUNITY.

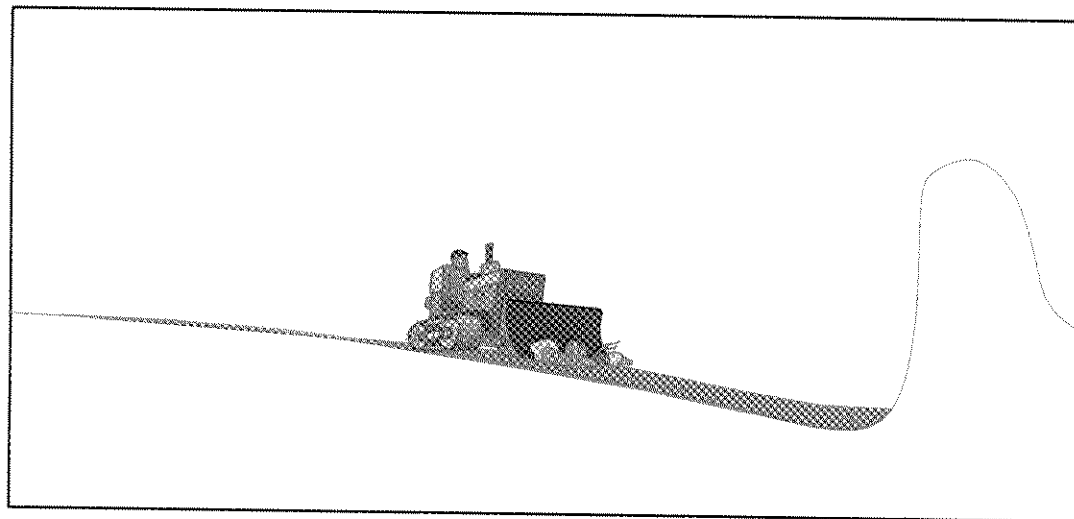
March 2007  
 Project Number: FEO09754

Prepared by: J. Amsen

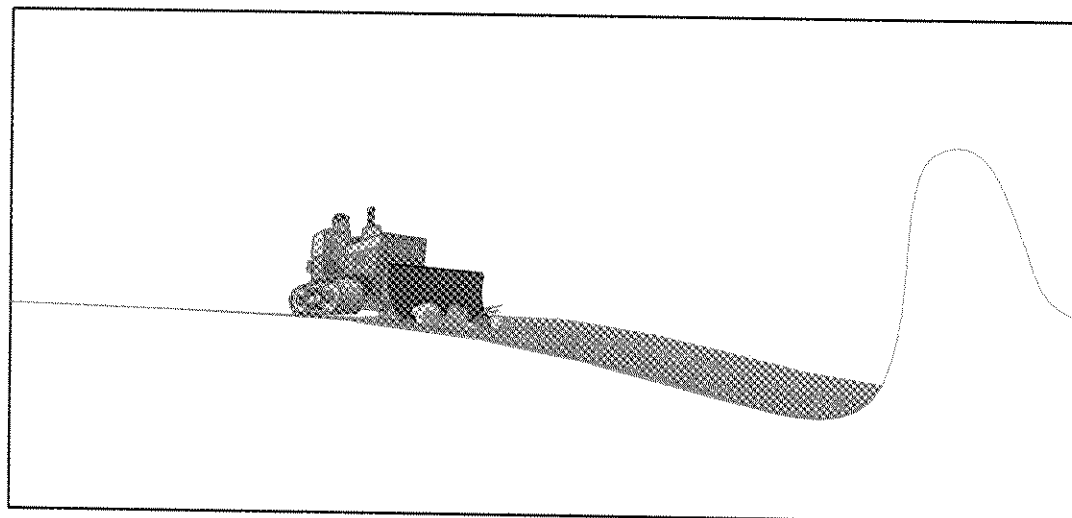
Verified by: J. Walls

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BURNED WASTE IS PUSHED ONTO THE FILL AREA.



WASTE IS SPREAD OVER A SMALL AREA AND COMPACTED BY MAKING SEVERAL PASSES WITH THE EQUIPMENT. LAYERS SHOULD BE 250mm TO 300mm (10 TO 12 inches) FOR OPTIMAL WASTE COMPACTION. 50mm TO 100mm (2 TO 4 inches) OF COVER SOIL IS ADDED WHEN AN AREA (cellular layer) HAS BEEN FILLED.

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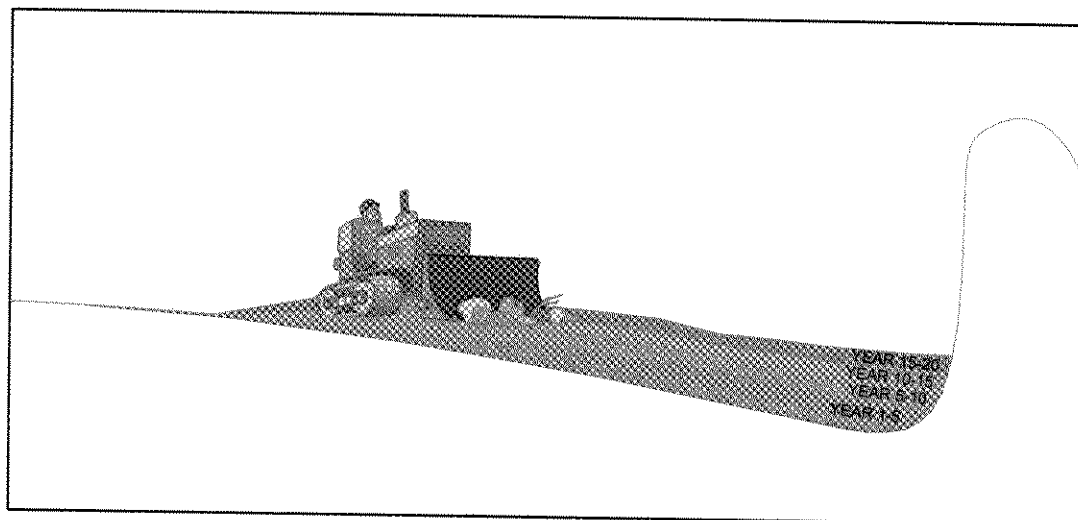
Prepared by: J. Amsen

Verified by: J. Walls

**Burnside** BURNSIDE

REVISION #: 1

FEO09754 O&M SWF MARCH 2007 COMPACTION.DWG

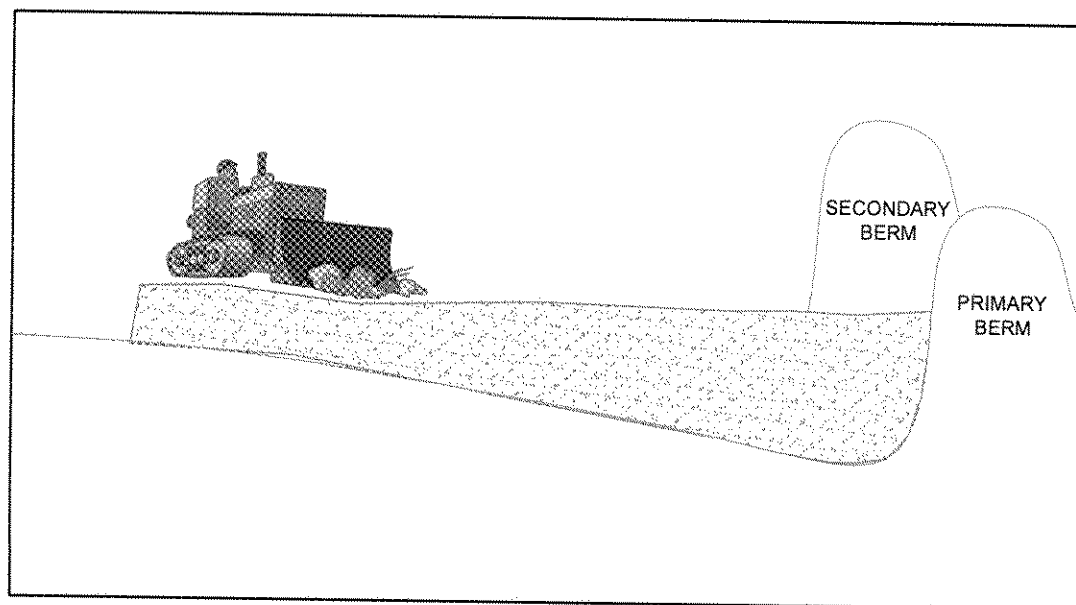


# FIGURE 14

## HAMLET OF KUGLUKTUK SOLID WASTE MANAGEMENT FACILITY O&M PLAN - MARCH 2007

### PROGRESSIVE WASTE DEPOSITION

WASTE IS BUILT UP PROGRESSIVELY  
ACROSS THE SITE IN COMPACTED  
LAYERS MAINTAINING AN EVEN  
WORKABLE SLOPE NEVER EXCEEDING  
3:1

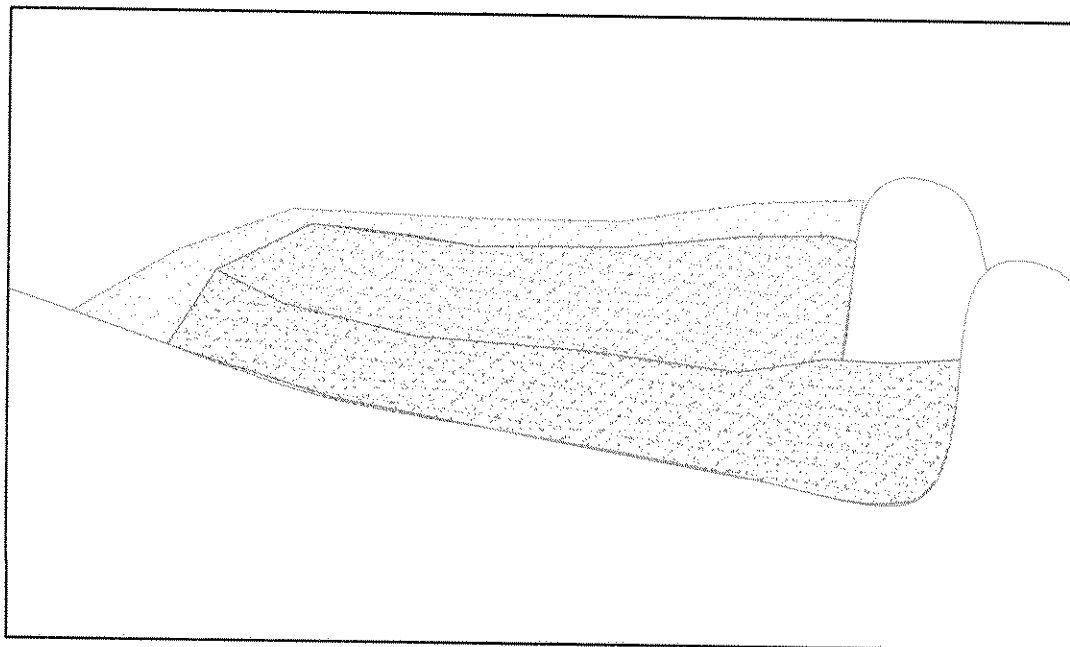
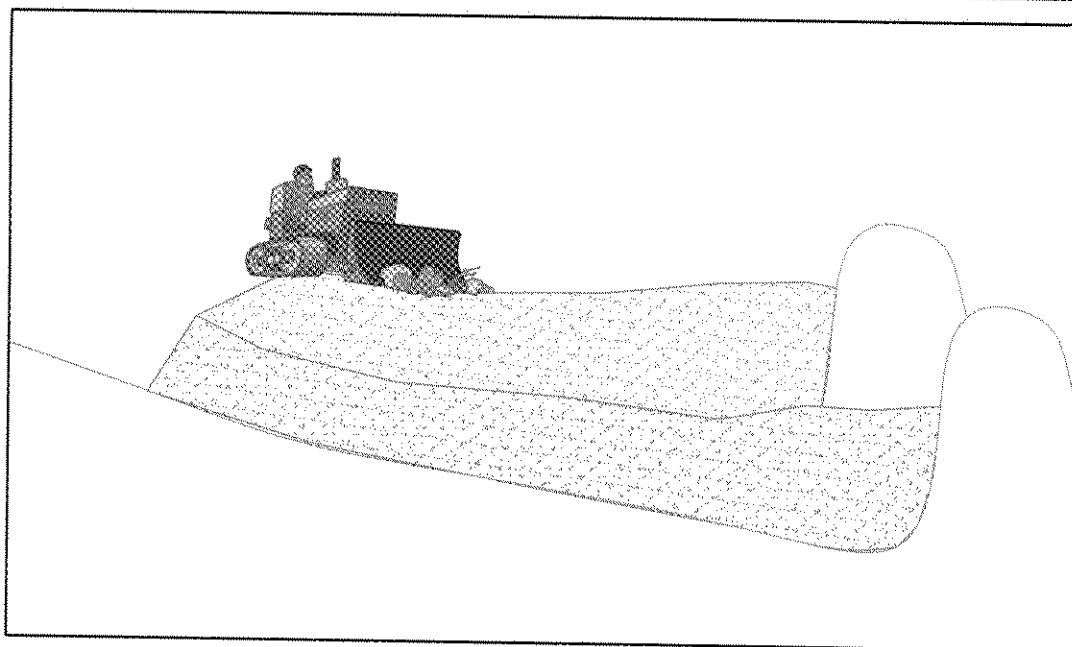


TO EXTEND SITE LIFE BEYOND THE  
HEIGHT OF THE INITIAL BERM ANOTHER  
BERM CAN BE CONSTRUCTED AND  
FILLING CAN CONTINUE.

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**นินา** BURNSIDE



## FIGURE 15

HAMLET OF REPULSE BAY  
SOLID WASTE MANAGEMENT FACILITY  
O&M PLAN - MARCH 2007

### FINAL GRADING & CLOSURE

THIS PROCESS CAN CONTINUE  
PROVIDED ENGINEERING REVIEWS ARE  
DONE TO CONFIRM STABILITY AND  
ENVIRONMENTAL CONDITIONS.

SITE CLOSURE WILL CONSIST OF 600mm  
OF THE MOST IMPERMEABLE COVER SOIL  
LOCALLY AVAILABLE . MAXIMUM SLOPE 3:1.  
THE SURFACE CAN BE STABILIZED WITH  
COBBLES AND ROCK TO RESEMBLE THE  
APPEARANCE AND CONDITION OF THE  
SURROUNDING TUNDRA.

March 2007  
Project Number: FE009754

Prepared by: J. Amsen

Verified by: J. Walls

**Burnside** BURNSIDE