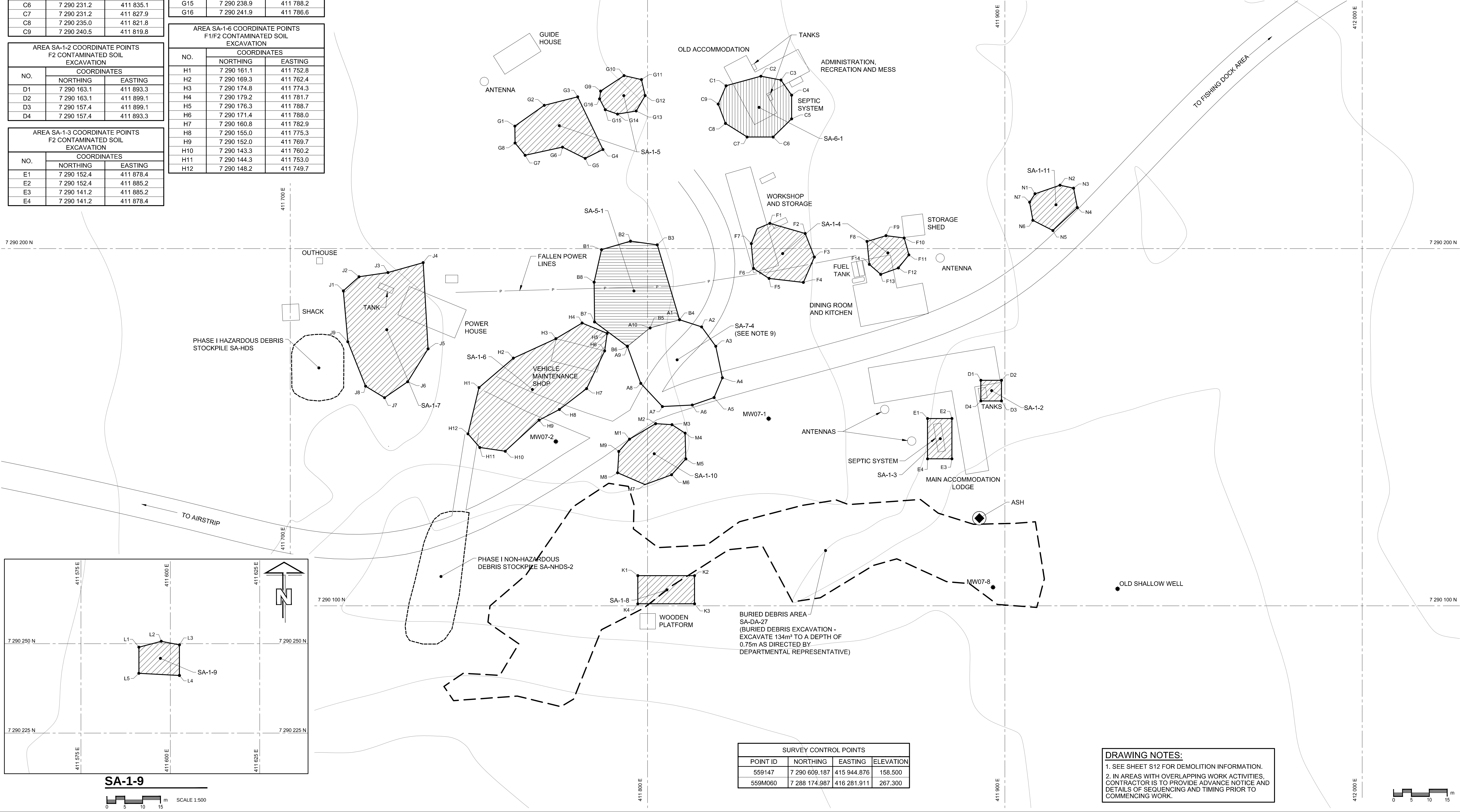
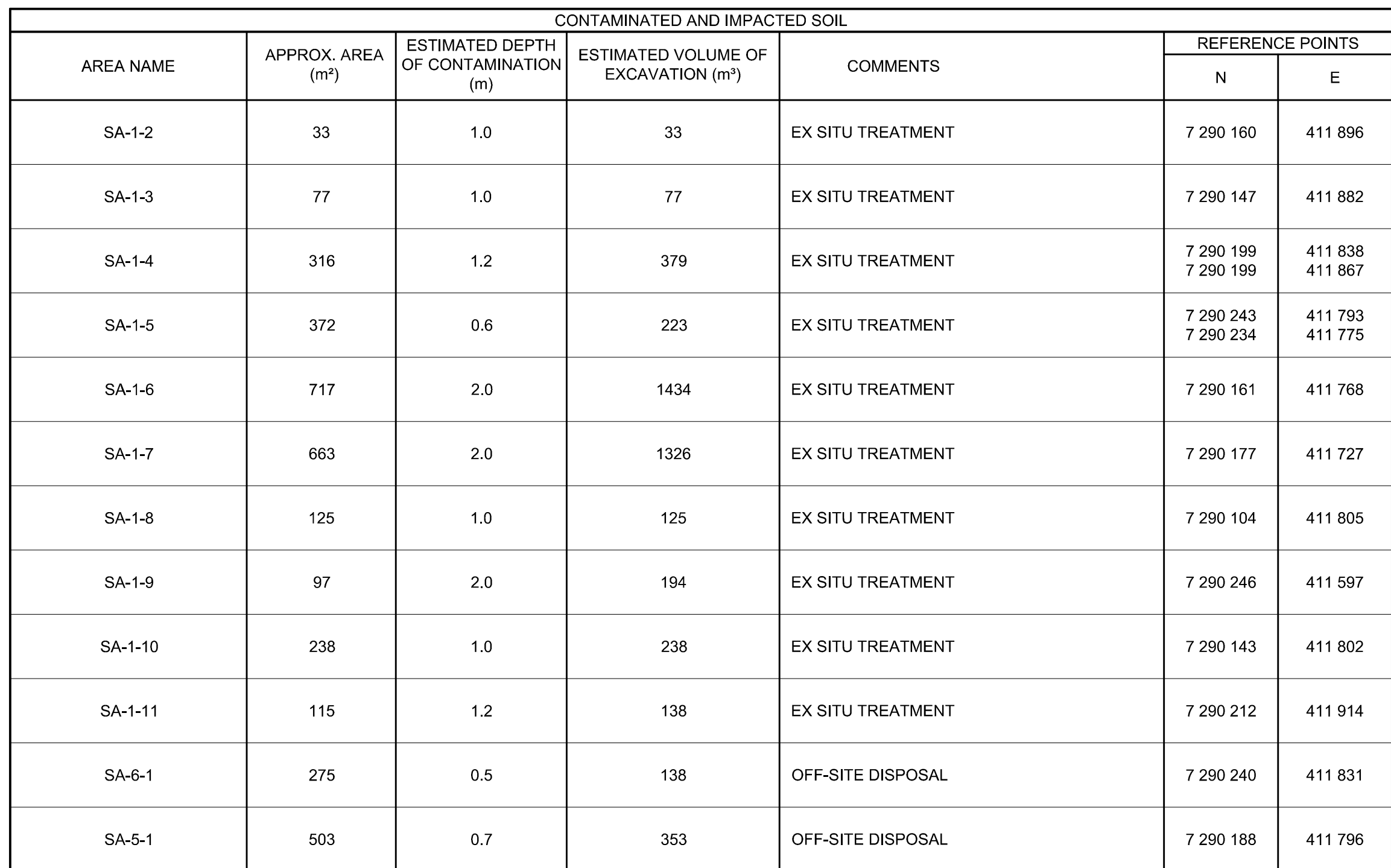
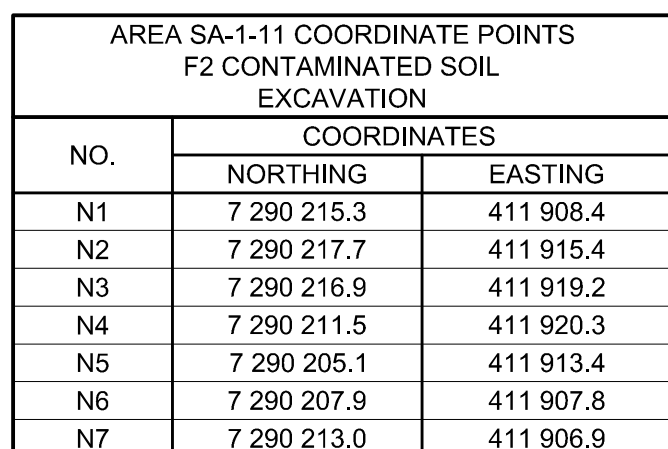
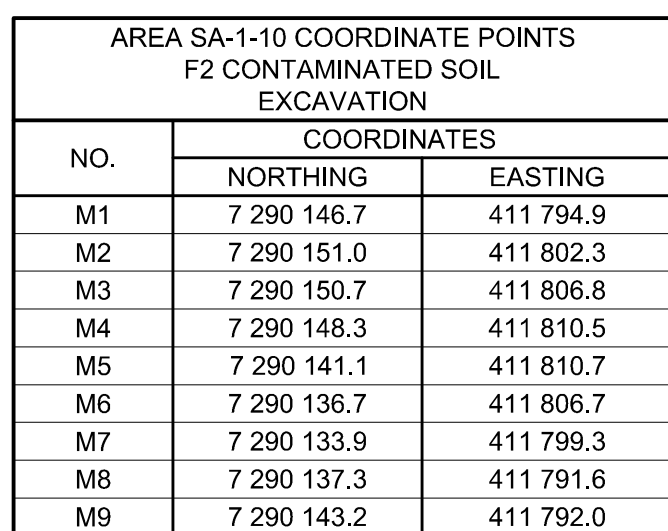
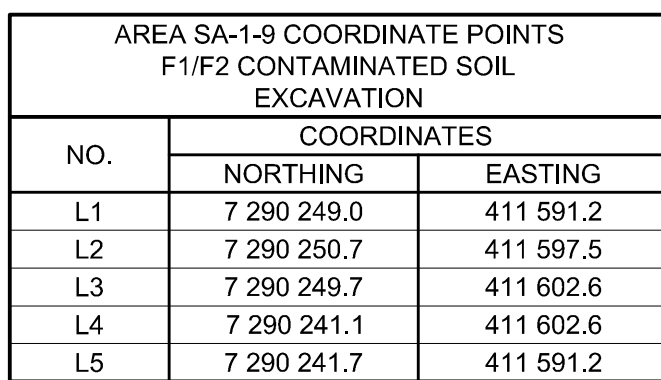
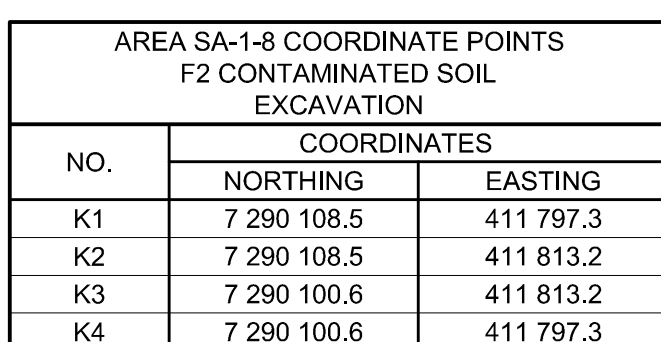
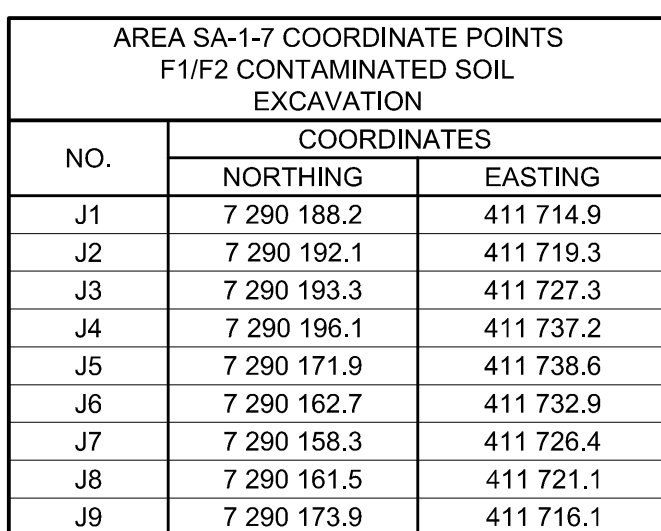
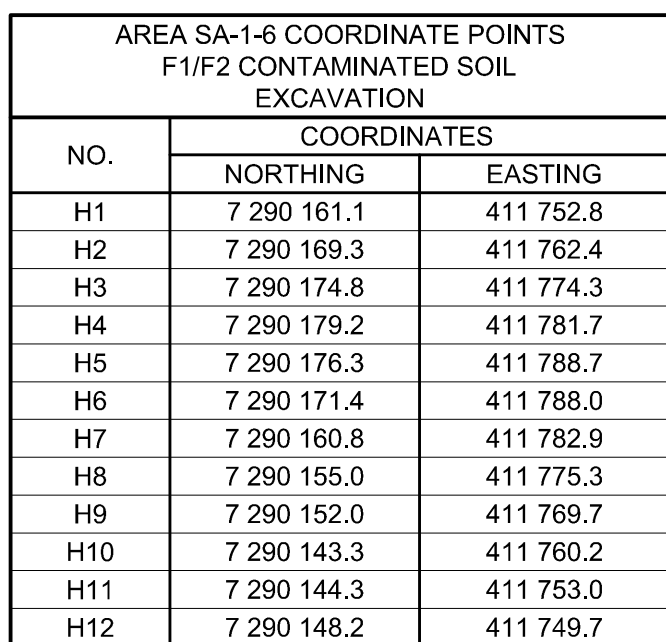
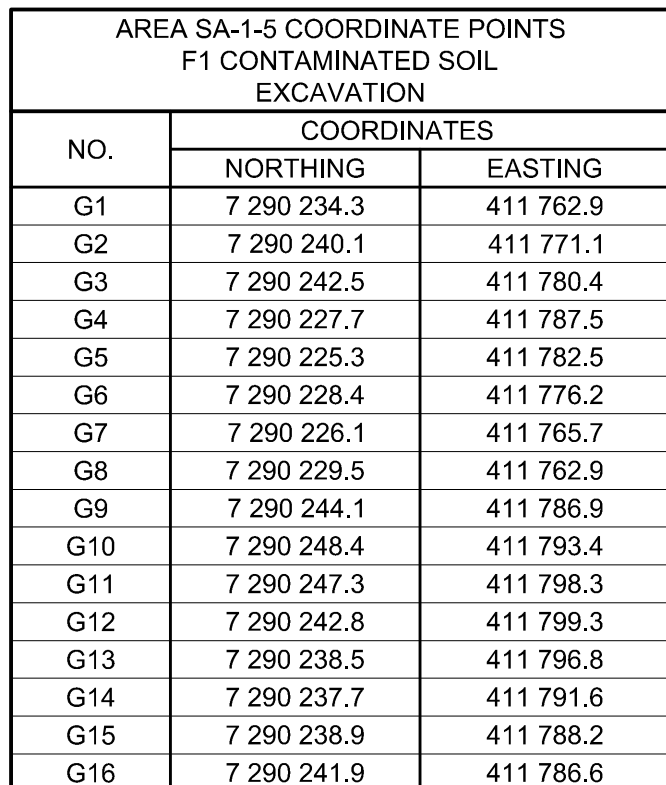
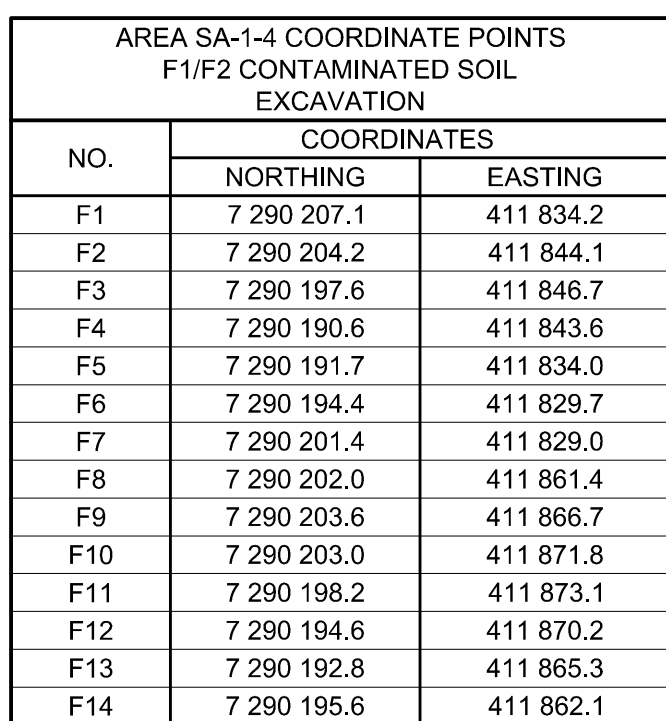
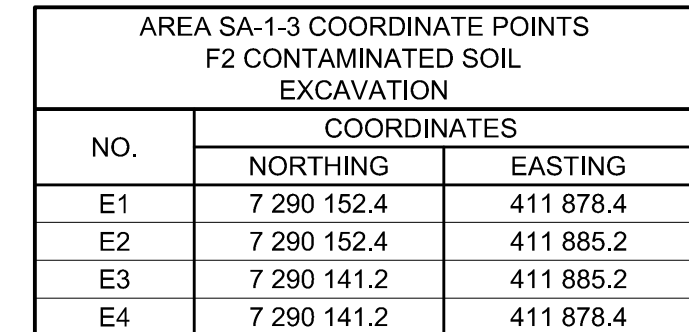
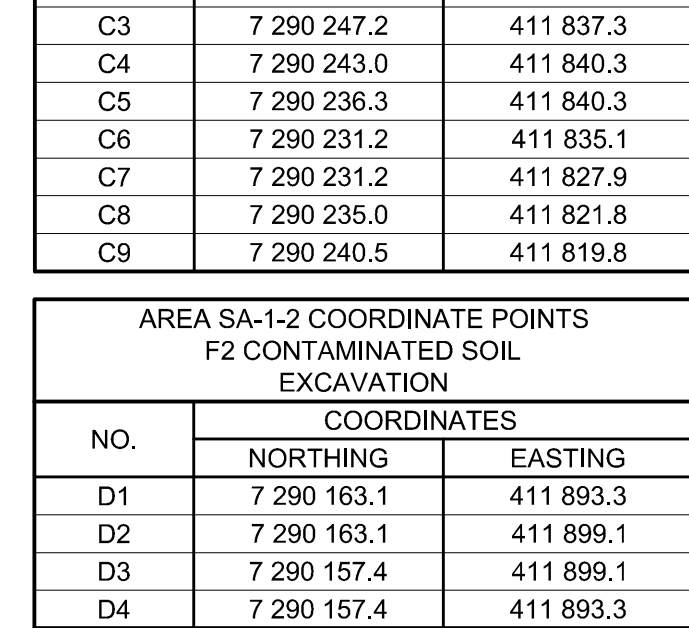
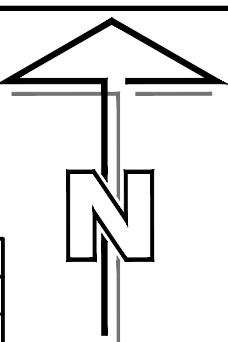




SURVEY CONTROL POINTS			
POINT ID	NORTHING	EASTING	ELEVATION
559147	7 290 609.187	415 944.876	158.500
559M060	7 288 174.987	416 281.911	267.300

DRAWING NOTES:

1. SEE SHEET S12 FOR DEMOLITION INFORMATION.
2. IN AREAS WITH OVERLAPPING WORK ACTIVITIES, CONTRACTOR IS TO PROVIDE ADVANCE NOTICE AND DETAILS OF SEQUENCING AND TIMING PRIOR TO COMMENCING WORK.

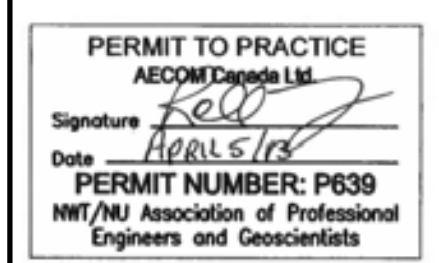


GENERAL NOTES:

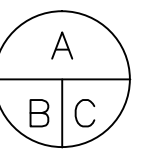
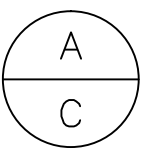
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL COORDINATES AND ELEVATIONS ARE BASED ON UTM NAD83 DATUM.
3. CONTROL POINTS "559147" AND "559M060" PROVIDED BY CANADIAN SPATIAL REFERENCE SYSTEM.
4. COORDINATES FOR CONTROL POINTS "559147" AND "559M060" NOT WITHIN SHEET AREA ARE PROVIDED IN SURVEY COORDINATE POINTS TABLE (THIS SHEET).
5. SITE PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CURRENT CONDITIONS MAY NOT BE EXACTLY AS SHOWN.
6. OTHER ACCESS ROUTE LOCATIONS SHOWN ARE APPROXIMATE.
7. CONFIRM CONDITION OF SITE ACCESS ROUTES PRIOR TO MOBILIZATION.
8. REMOVE SURFICIAL DEBRIS AND PARTIALLY EXPOSED DEBRIS TO A MIN. 0.5m OF EXISTING GROUND SURFACE. REMOVE DEBRIS, EXCLUDING STORAGE TANKS AND VEHICLES, LOCATED IN IDENTIFIED EXISTING WELLS. SOME OF EXISTING ROADS AND WATERCOURSES/BEDS, LOCATED IN IDENTIFIED COURSE OF EXISTING WELLS, ARE ALONG THE SHORELINE; AND LOCATED WITHIN AREA SHOWN ON THIS SHEET.
9. PHYSICALLY RESTRICT ACCESS TO AREAS OF INTEREST, GATEWAY PLANTATION.
10. PROTECT ON-SITE MONITORING WELLS FROM DAMAGE.
11. ADHERE TO REGULATORY REQUIREMENTS, BEST MANAGEMENT PRACTICES, AND OPERATIONAL GUIDELINES. OBTAIN NECESSARY PERMIT (REFER TO SPECIFICATION 0114100 REGULATORY REQUIREMENTS).
12. SURFACE DEBRIS COLLECTION WAS UNDERTAKEN DURING PHASE I OF WORK AND PLACED IN STOCKPILES ON SITE. APPROXIMATE STOCKPILE LOCATIONS INDICATED ON DRAWING.
13. BUILDING DEMOLITION WAS UNDERTAKEN DURING PHASE I OF WORK. APPROXIMATE LOCATIONS OF ASH PILES REMAINING FROM BUILDING DEMOLITION INDICATED ON DRAWING.

LEGEND

- 165.0
EXISTING CONTOURS AT
200m INTERVAL
SITE GRID (100m INTERVAL)
P
POWER LINE
APPROXIMATE DEBRIS AREA
MW07-09
EXISTING MONITORING WELL
LOW-LEVEL GAMMA RADIATION
CONTAMINATED SOIL
(RESTRICTED ACCESS)
F1/F2 CONTAMINATED SOIL
METALS CONTAMINATED SOIL
PESTICIDES CONTAMINATED SOIL
PHASE 1 ASH
STOCKPILE LOCATION

**AECOM**

B	ISSUED FOR TENDER	13/03/28
A	ISSUED FOR 90% REVIEW	13/02/04
REVISIONS	DESCRIPTION	DATE



project title	titre du projet
---------------	-----------------

**GREAT BEAR LAKE SITES
REMEDIATION PROJECT
NORTHWEST TERRITORIES**

drawing title	titre du dessin
---------------	-----------------

SAWMILL BAY
MAIN CAMP AREA
AREA 2

ISSUED FOR TENDER
NOT FOR CONSTRUCTION
Date: 2013/03/28

designed by	concu par
-------------	-----------

drawn by A. DELLEPESSE dessiné par

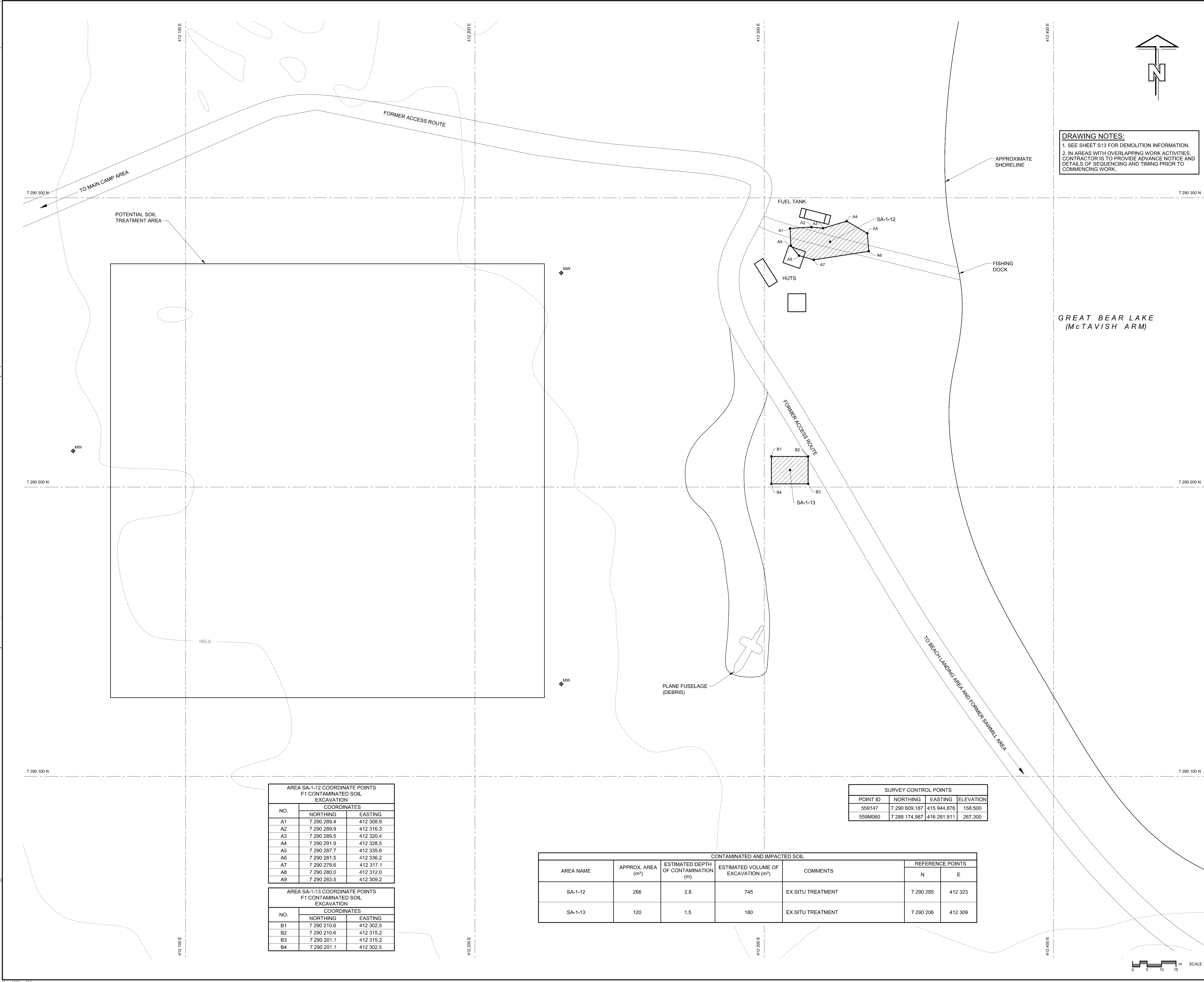
approved by	approuvé par
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PWGSC Project Manager	Administrateur de Projets TPSGC
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scale	echelle	sheet	feuille
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project no.	R.015211.014	project no.	C20
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MARCH 2013		21 22
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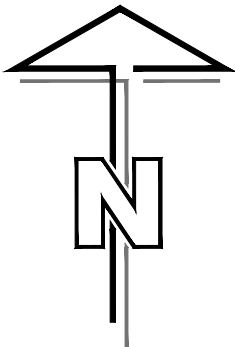


AREA SA-1-12 COORDINATE POINTS F1 CONTAMINATED SOIL EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
A1	7 290 289.4	412 308.9
A2	7 290 289.9	412 316.3
A3	7 290 289.5	412 320.4
A4	7 290 291.9	412 328.5
A5	7 290 287.7	412 335.6
A6	7 290 281.5	412 336.2
A7	7 290 278.6	412 317.1
A8	7 290 280.0	412 312.0
A9	7 290 283.5	412 309.2

AREA SA-1-13 COORDINATE POINTS F1 CONTAMINATED SOIL EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
B1	7 290 210.6	412 302.5
B2	7 290 210.6	412 315.2
B3	7 290 201.1	412 315.2
B4	7 290 201.1	412 302.5

SURVEY CONTROL POINTS			
POINT ID	NORTHING	EASTING	ELEVATION
559147	7 290 609.187	415 944.876	158.500
559M060	7 288 174.987	416 281.911	267.300

CONTAMINATED AND IMPACTED SOIL						
AREA NAME	APPROX. AREA (m ²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m ³)	COMMENTS	REFERENCE POINTS	
					N	E
SA-1-12	266	2.8	745	EX SITU TREATMENT	7 290 285	412 323
SA-1-13	120	1.5	180	EX SITU TREATMENT	7 290 206	412 309



DRAWING NOTES:
1. SEE SHEET S13 FOR DEMOLITION INFORMATION.
2. IN AREAS WITH OVERLAPPING WORK ACTIVITIES, CONTRACTOR IS TO PROVIDE ADVANCE NOTICE AND DETAILS OF SEQUENCING AND TIMING PRIOR TO COMMENCING WORK.

LEGEND	
155.0	EXISTING CONTOURS AT 2.0m INTERVAL
---	SITE GRID (100m INTERVAL)
---	POWER LINE
MW07-09	EXISTING MONITORING WELL
MW	PROPOSED MONITORING WELL
▨	F1/F2 CONTAMINATED SOIL



PERMIT TO PRACTICE
AECOM Canada Ltd.
Signature: *[Signature]*
Date: *14/05/13*
PERMIT NUMBER: P639
NWT/NU Association of Professional Engineers and Geoscientists

AECOM

REVISIONS	DESCRIPTION	DATE
B	ISSUED FOR TENDER	13/03/28
A	ISSUED FOR 90% REVIEW	13/02/04

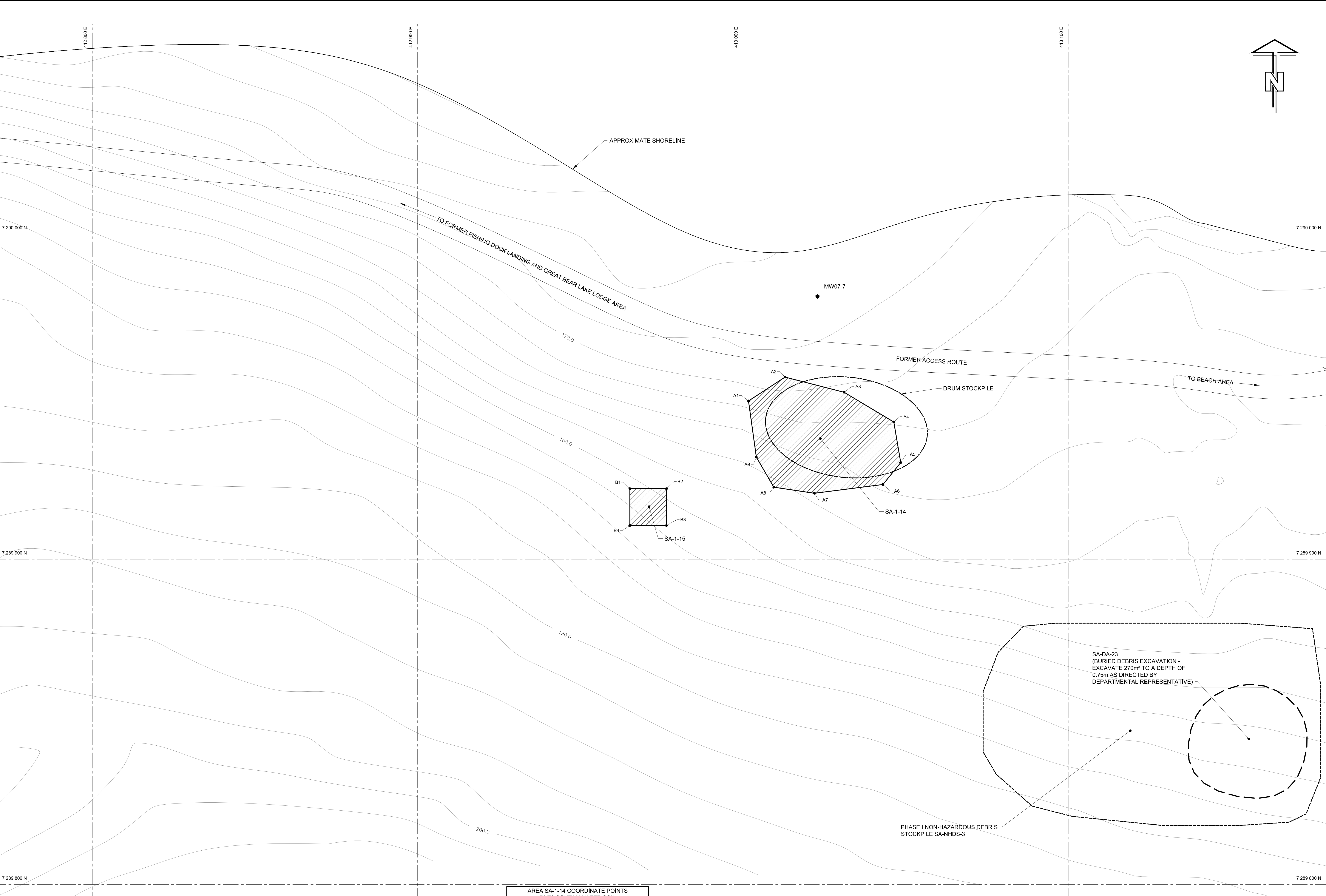
A	A detail number number du detail	A
C	B source drawing no. de dessin no.	B C
	C detail on drawing no. detail sur dessin no.	

project title
**GREAT BEAR LAKE SITES
REMEDIATION PROJECT
NORTHWEST TERRITORIES**

drawing title
**SAWMILL BAY
FISHING DOCK AREA
AREA 3**

**ISSUED FOR TENDER
NOT FOR CONSTRUCTION**
Date: 2013/03/28

designed by M. BLISS	conçu par
drawn by A. DE LEON	dessiné par
approved by W. BEBEAU	approuvé par
PM/SC Project Manager M. BERNARDIN	Administrateur de Projets TPSGC
scale 1:500	échelle
project no. R.015211.014	projet no.
date MARCH 2013	date
C21 OF 32	

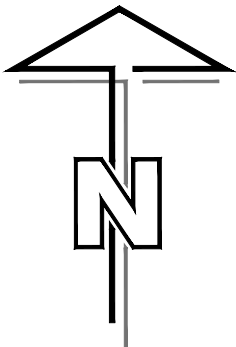
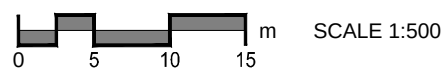


CONTAMINATED AND IMPACTED SOIL					REFERENCE POINTS	
AREA NAME	APPROX. AREA (m²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m³)	COMMENTS	N	E
SA-1-14	1249	0.2	250	EX SITU TREATMENT	7 289 937	413 024
SA-1-15	127	0.2	25	EX SITU TREATMENT	7 289 916	412 971

AREA SA-1-14 COORDINATE POINTS F1/F2 CONTAMINATED SOIL EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
A1	7 289 948.7	413 001.7
A2	7 289 956.0	413 013.0
A3	7 289 951.3	413 031.1
A4	7 289 942.2	413 046.4
A5	7 289 929.7	413 048.5
A6	7 289 923.0	413 043.1
A7	7 289 920.3	413 022.0
A8	7 289 922.1	413 009.5
A9	7 289 931.4	413 004.1

AREA SA-1-15 COORDINATE POINTS F2 CONTAMINATED SOIL EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
B1	7 289 921.7	412 965.3
B2	7 289 921.7	412 976.5
B3	7 289 910.4	412 976.5
B4	7 289 910.4	412 965.3

SURVEY CONTROL POINTS			
POINT ID	NORTHING	EASTING	ELEVATION
559147	7 290 609.187	415 944.876	158.500
559M060	7 288 174.987	416 281.911	267.300



Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region

Client

Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada

Canada

CONTAMINANTS and REMEDIATION DIRECTORATE
YELLOWKNIFE, N.W.T.

Client

Client

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. ALL COORDINATES AND ELEVATIONS ARE BASED ON UTM NAD83 DATUM.
 3. CONTROL POINTS "559147" AND "559M060" PROVIDED BY CANADIAN SPATIAL REFERENCE SYSTEM.
 4. COORDINATES FOR CONTROL POINTS "559147" AND "559M060" (NOT WITHIN SHEET AREA) ARE PROVIDED IN SURVEY COORDINATE POINTS TABLE (THIS SHEET).
 5. SITE PLANS AND TOPOGRAPHIC INFORMATION BASED ON AIR PHOTOS AND SURVEY PROVIDED BY OTHERS. CURRENT CONDITIONS MAY NOT BE EXACTLY AS SHOWN.
 6. FORMER ACCESS ROUTE LOCATIONS SHOWN ARE APPROXIMATE.
 7. CONFIRM CONDITION OF SITE ACCESS ROUTES PRIOR TO MOBILIZATION.
 8. REMOVE SURFICIAL DEBRIS AND PARTIALLY BURIED DEBRIS WITHIN 0.5m OF EXISTING GROUND SURFACE. REMOVE DEBRIS, EXCLUDING STORAGE TANKS AND VEHICLES, LOCATED IN IDENTIFIED DEBRIS AREAS: WITHIN 50m OF EXISTING ROADS AND WATERCOURSES/BODIES: LOCATED IN WATERCOURSES/BODIES WITHIN 10m OF THE SHORELINE; AND LOCATED WITHIN AREA SHOWN ON THIS SHEET.
 9. PROTECT ON-SITE MONITORING WELLS FROM DAMAGE.
 10. ADHERE TO REGULATORY REQUIREMENTS, BEST MANAGEMENT PRACTICES, AND OPERATIONAL STATEMENTS FOR ALL WORK IN CONTRACT (REFER TO SPECIFICATION 01 41 00 REGULATORY REQUIREMENTS).
 11. SURFACE DEBRIS COLLECTION WAS UNDERTAKEN DURING PHASE I OF WORK AND PLACED IN STOCKPILES ON SITE. APPROXIMATE STOCKPILE LOCATIONS INDICATED ON DRAWING.

LEGEND	
	EXISTING CONTOURS AT 2.0m INTERVAL
	SITE GRID (100m INTERVAL)
	EXISTING MONITORING WELL
	F1/F2 CONTAMINATED SOIL

PERMIT TO PRACTICE

AECOM Canada Ltd.

Signature:

Date: 14/05/13

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

B	ISSUED FOR TENDER	13/03/28
A	ISSUED FOR 90% REVIEW	13/02/04

REVISIONS	DESCRIPTION	DATE
A	detail number	
B	source drawing no.	
C	detail on drawing no.	

A

C

A

B

C

project title
**GREAT BEAR LAKE SITES
REMEDIATION PROJECT
NORTHWEST TERRITORIES**

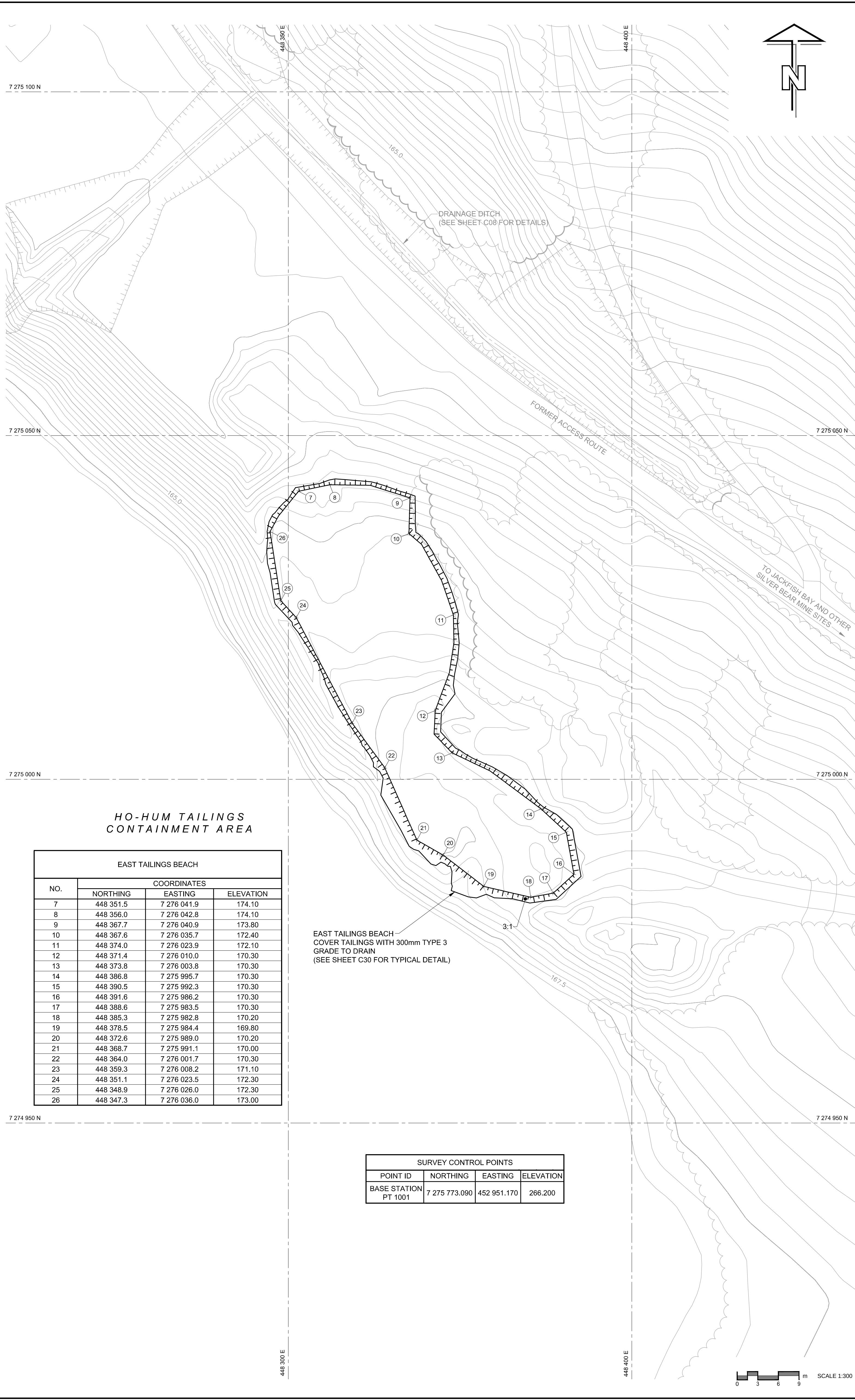
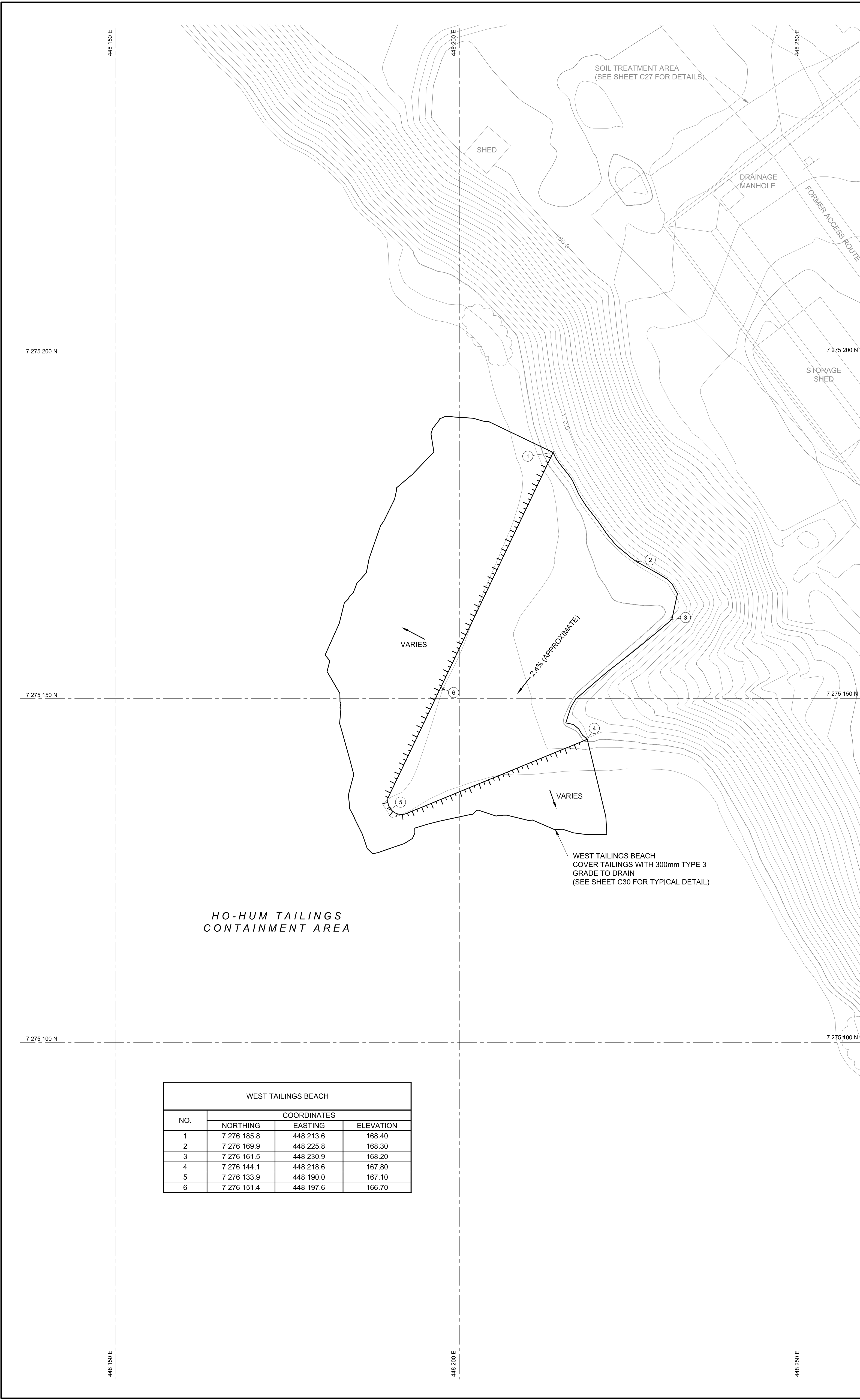
drawing title
**SAWMILL BAY
MAIN BARREL CACHE AREA
AREA 4**

ISSUED FOR TENDER

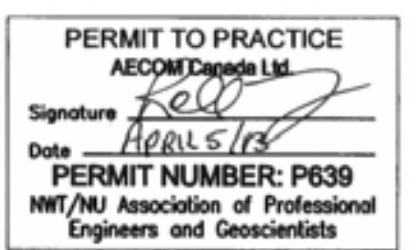
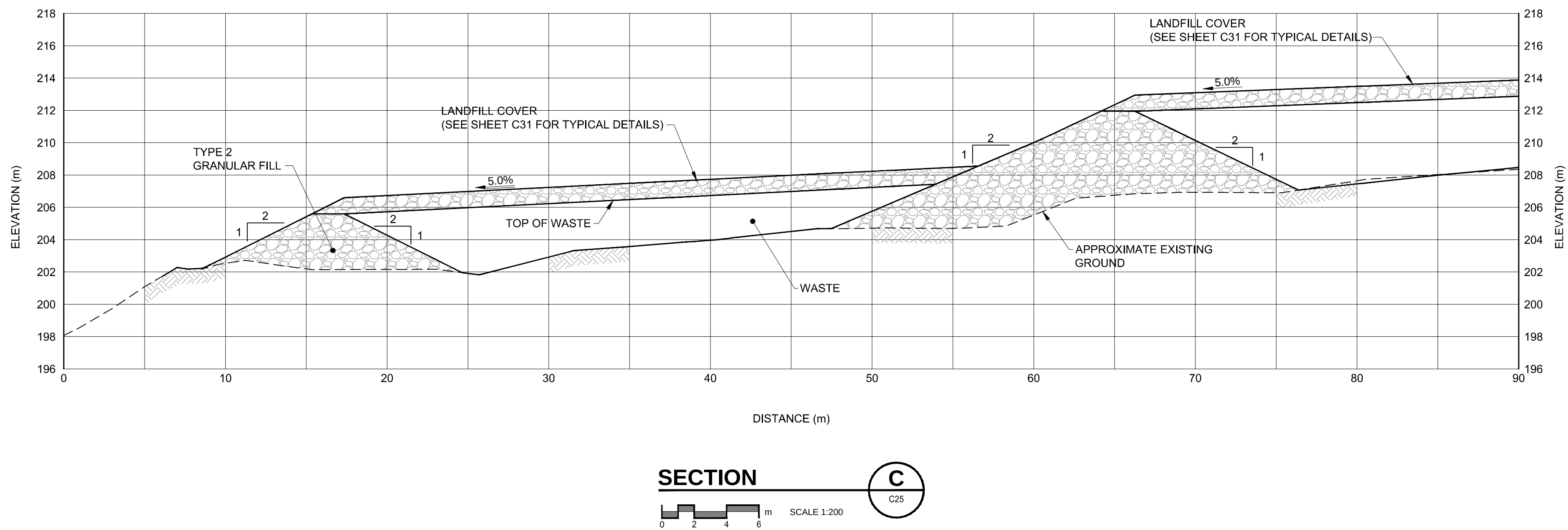
NOT FOR CONSTRUCTION

Date: 2013/03/28

designed by M. BLISS	conçu par
drawn by A. DE LEON	dessiné par
approved by W. BEBEAU	approuvé par
PM/SC Project Manager M. BERNARDIN	Administrateur de Projets TP/SC
scale 1:500	échelle sheet feuille
project no. R.015211.014	proj. no. C22
date MARCH 2013	date OF 32





**AECOM**

A detail number
number du détail

B source drawing no.
de dessin no.

C detail on drawing no.
détail sur dessin no.

project title	titre du projet
GREAT BEAR LAKE SITES REMEDICATION PROJECT NORTHWEST TERRITORIES	

drawing title

titre du dessin

**TERRA MINE
LANDFILL - SECTIONS**

ISSUED FOR TENDER
NOT FOR CONSTRUCTION
Date: 2013/03/28

designed by	conçu par
P. MONTAUDO	

drawn by **A. DE LEON** dessiné par

approved by _____ approuvé par _____
W. REBEAU

PWGSC Project Manager	Administrateur de Projets TPSGC
-----------------------	---------------------------------

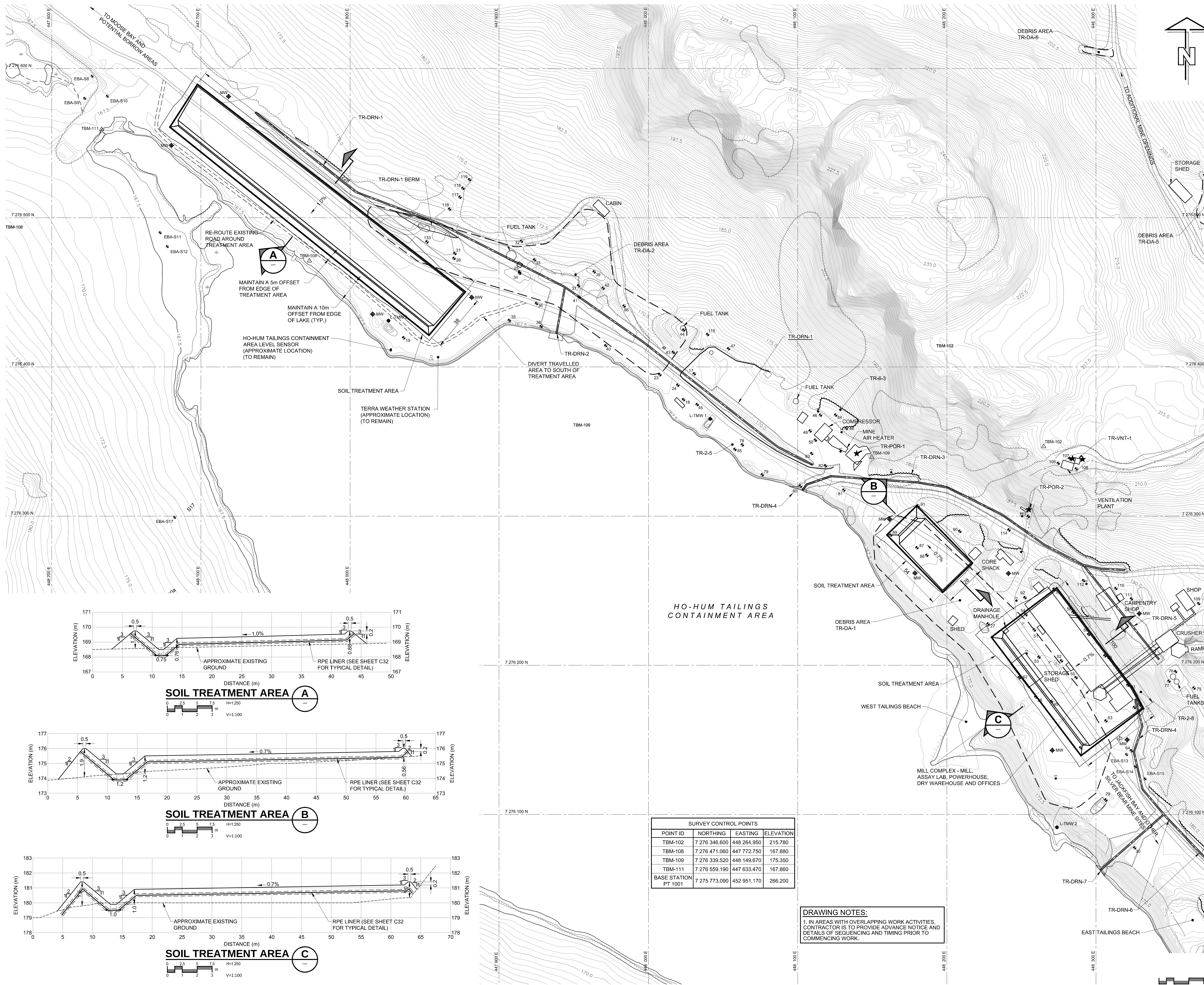
M. BERNARDIN

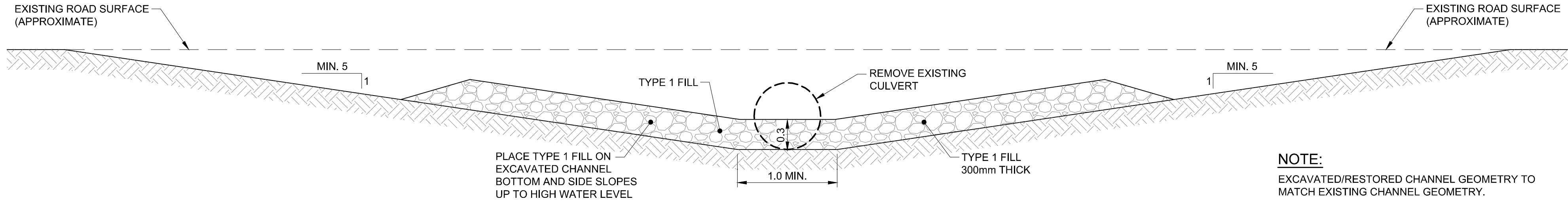
scale	echelle	sheet	feuille
1:200			

project no.	R.015211.014	project no.	C26
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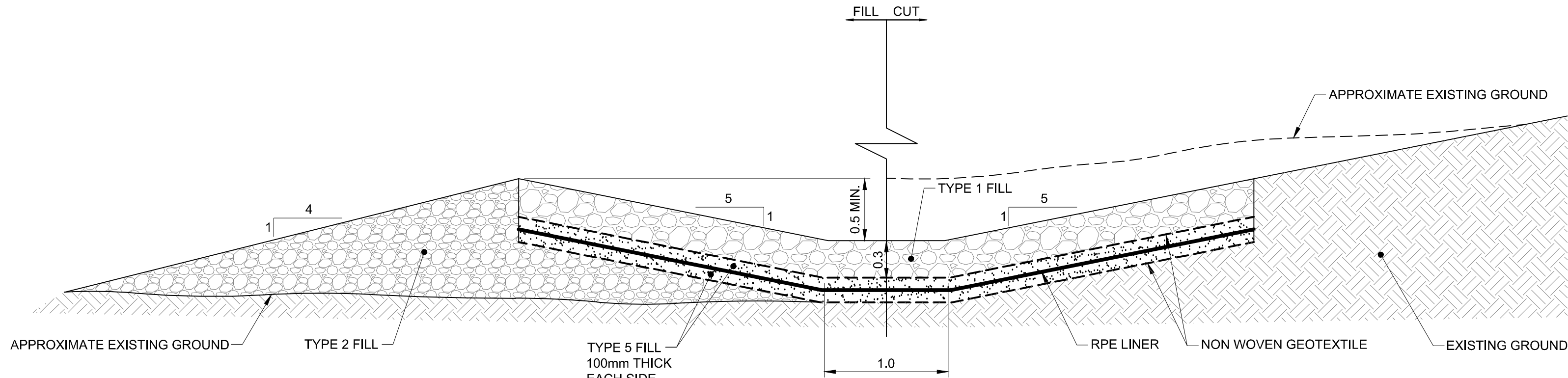
date MARCH 2013 date OF 32

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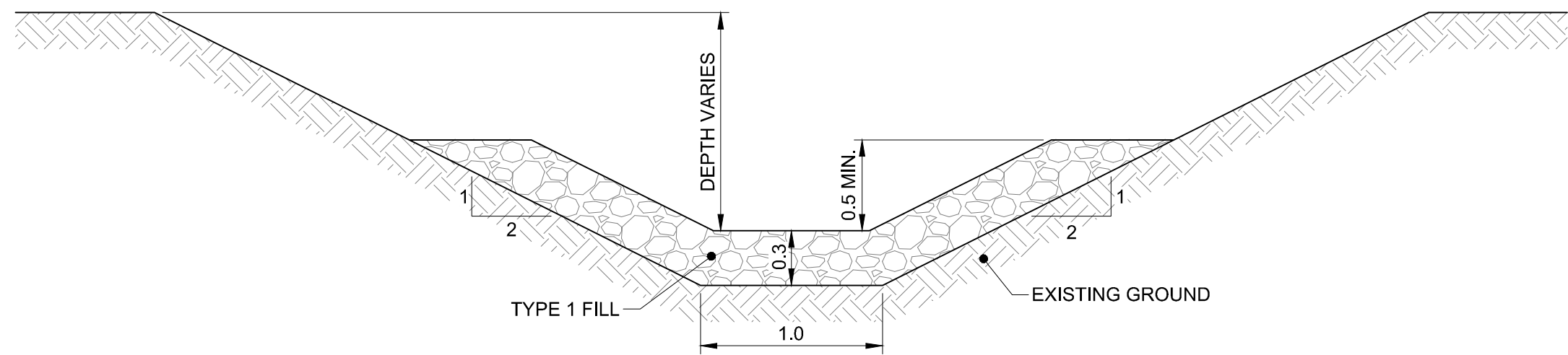




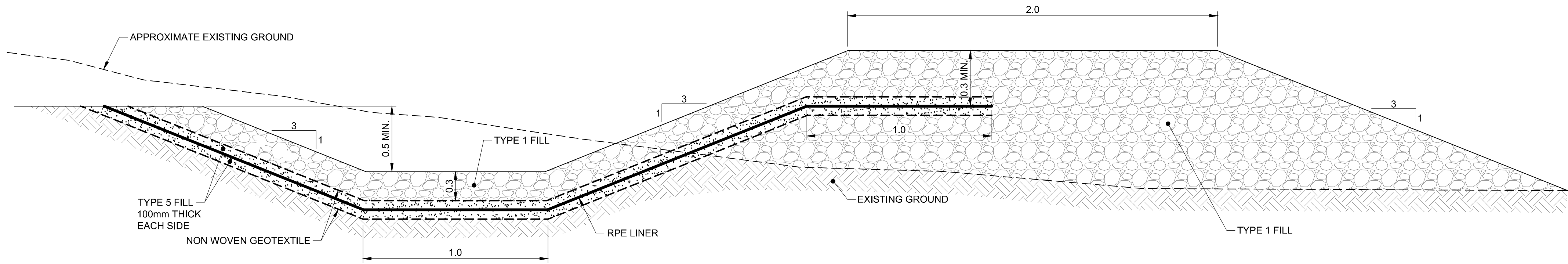
TYPICAL RESTORED CROSS DRAINAGE CHANNEL CROSS SECTION
SCALE: N.T.S.



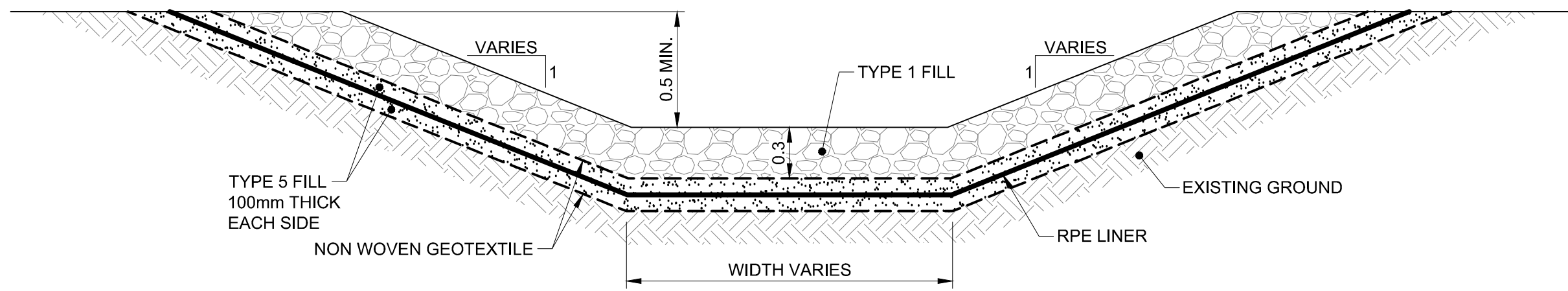
NOREX OPEN CHANNEL CROSS SECTION DETAIL
SCALE: N.T.S.



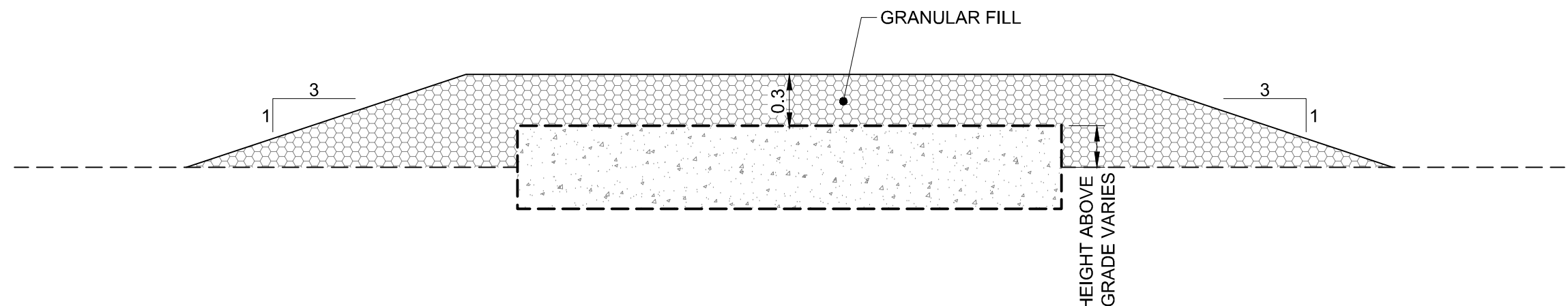
CONTACT LAKE UNLINED DITCH CROSS SECTION DETAIL
SCALE: N.T.S.



TYPICAL LINED DITCH AND BERM DETAIL (TERRA PTS 12-15)
SCALE: N.T.S.



TYPICAL LINED DITCH CROSS SECTION DETAIL
SCALE: N.T.S.



TYPICAL CONCRETE PAD REGRADING DETAIL
SCALE: N.T.S.

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.



PERMIT TO PRACTICE
AECOM Canada Ltd.
Signature: [Signature]
Date: 14/05/13
PERMIT NUMBER: P639
NWT/NU Association of Professional Engineers and Geoscientists

AECOM

B	ISSUED FOR TENDER	13/03/28
A	ISSUED FOR 90% REVIEW	13/02/04

REVISIONS	DESCRIPTION	DATE
A	detail number number du detail	
B	source drawing no. de dessin no.	
C	detail on drawing no. detail sur dessin no.	

project title: GREAT BEAR LAKE SITES
REMEDIATION PROJECT
NORTHWEST TERRITORIES

drawing title: MISCELLANEOUS DETAILS
SHEET 1 OF 3

ISSUED FOR TENDER
NOT FOR CONSTRUCTION
Date: 2013/03/28

designed by: C. MOORE / concev par

drawn by: A. DE LEON / dessine par

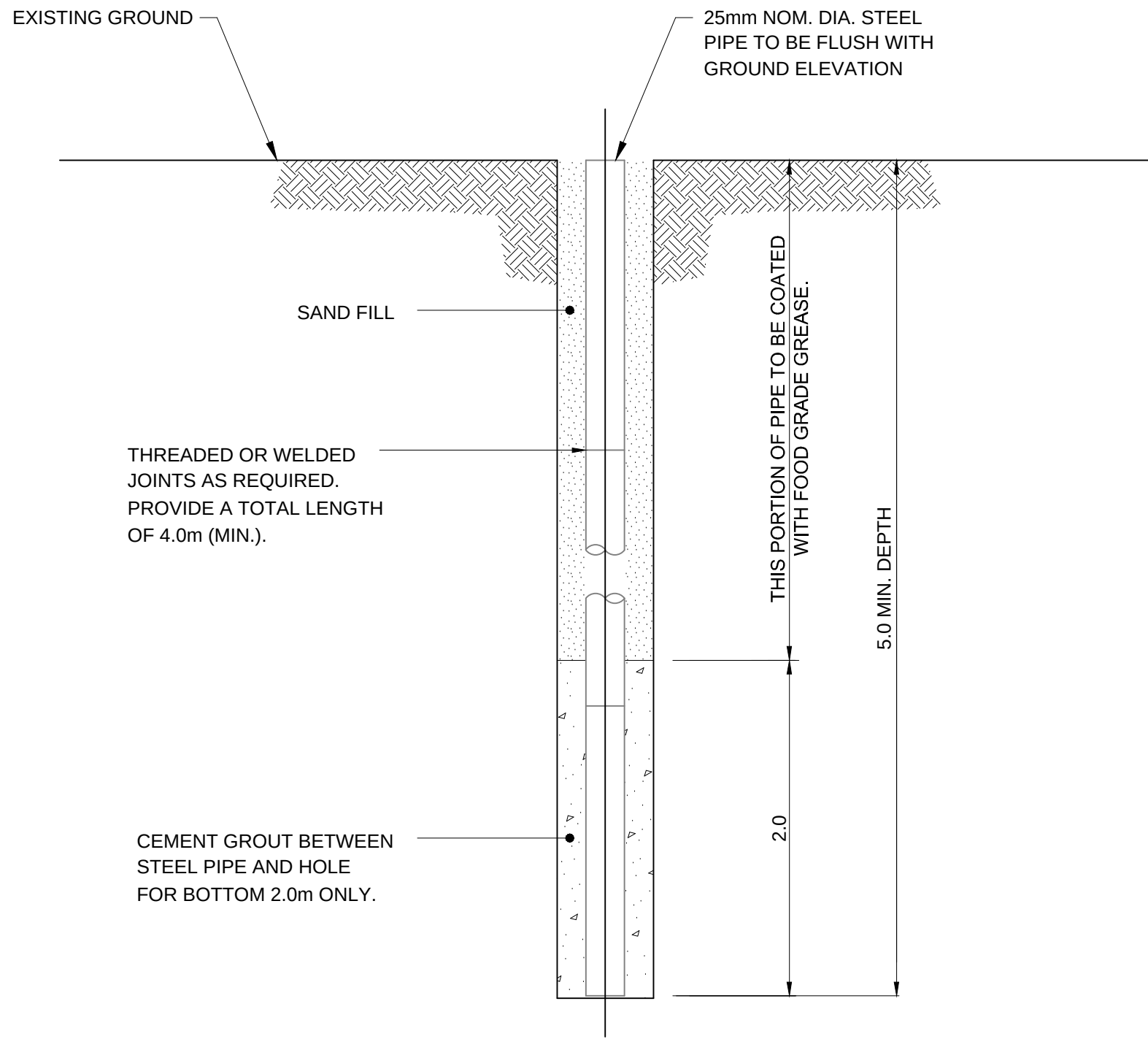
approved by: W. BEBEAU / approuve par

PM/SGC Project Manager: M. BERNARDIN / Administrateur de Projets TPSGC

scale: AS SHOWN / echelle: sheet: / feuille:

project no.: R.015211.014 / projet no.: C30

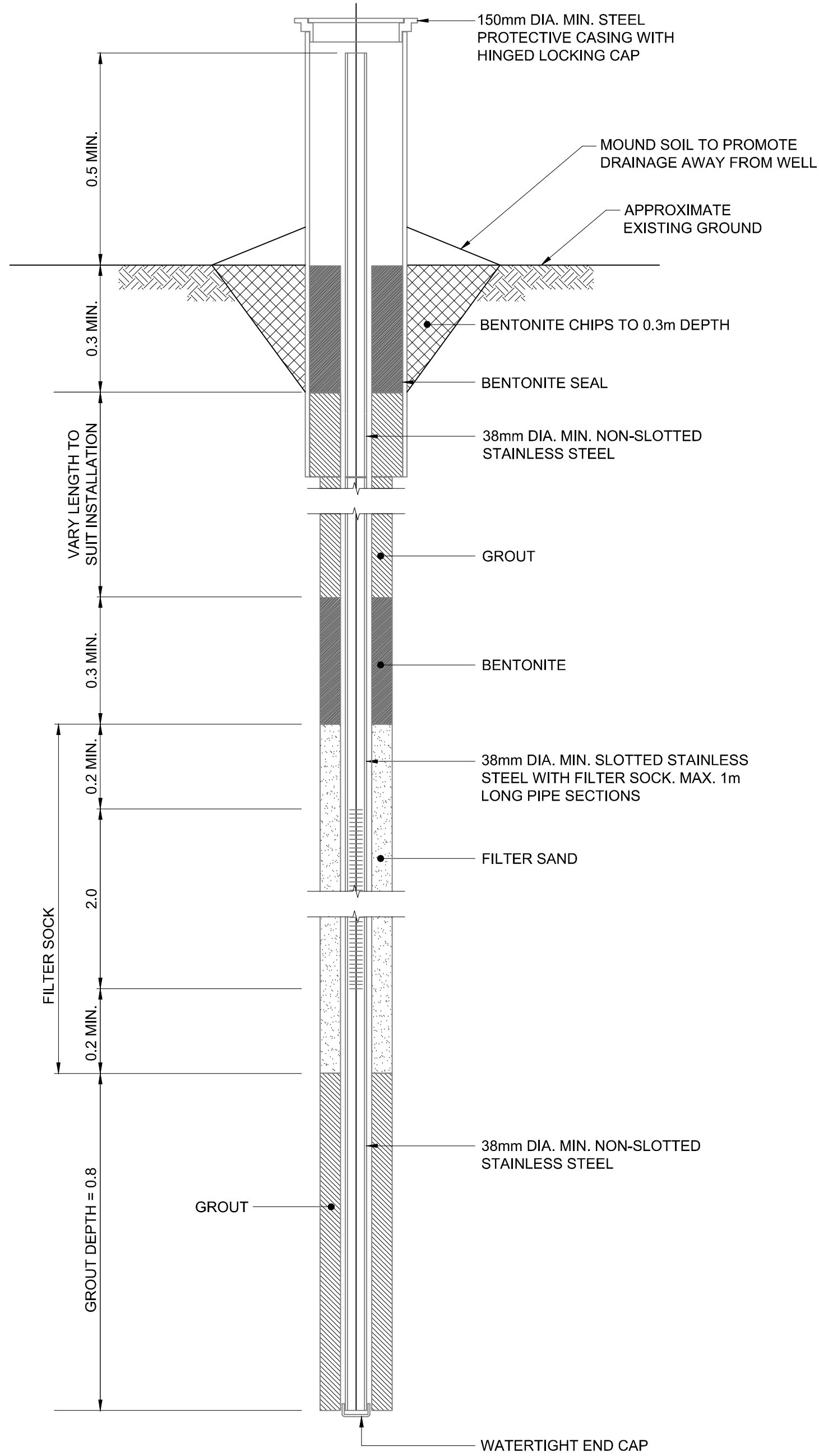
date: MARCH 2013 / date: OF 32



MINIMUM EMBEDMENT CAN BE REDUCED IF ROCK IS ENCOUNTERED. INSTALLATION TO PENETRATE A MINIMUM OF 2m INTO ROCK.

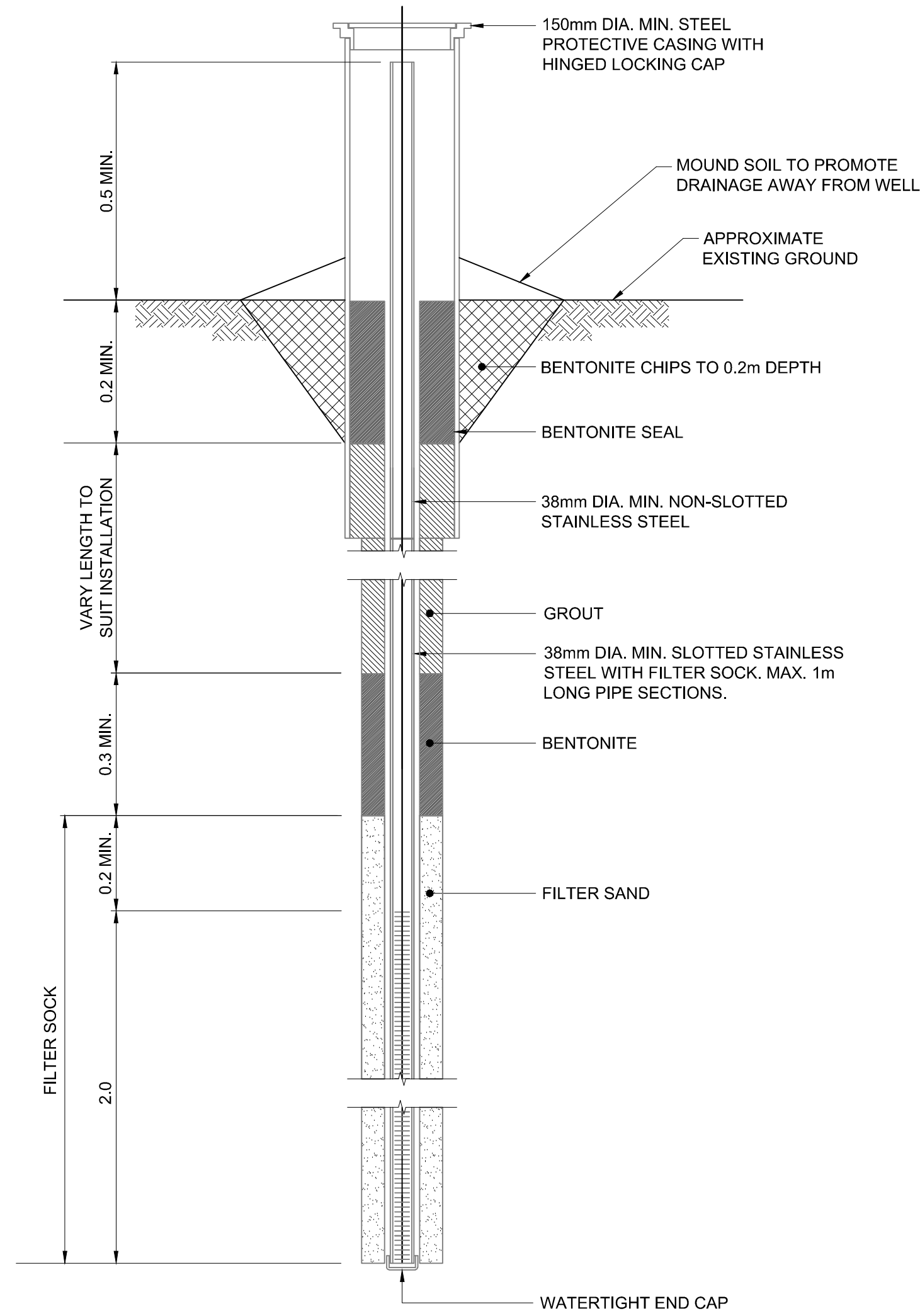
TYPICAL PERMANENT SURVEY CONTROL MONUMENT (BENCHMARK)

SCALE: N.T.S.



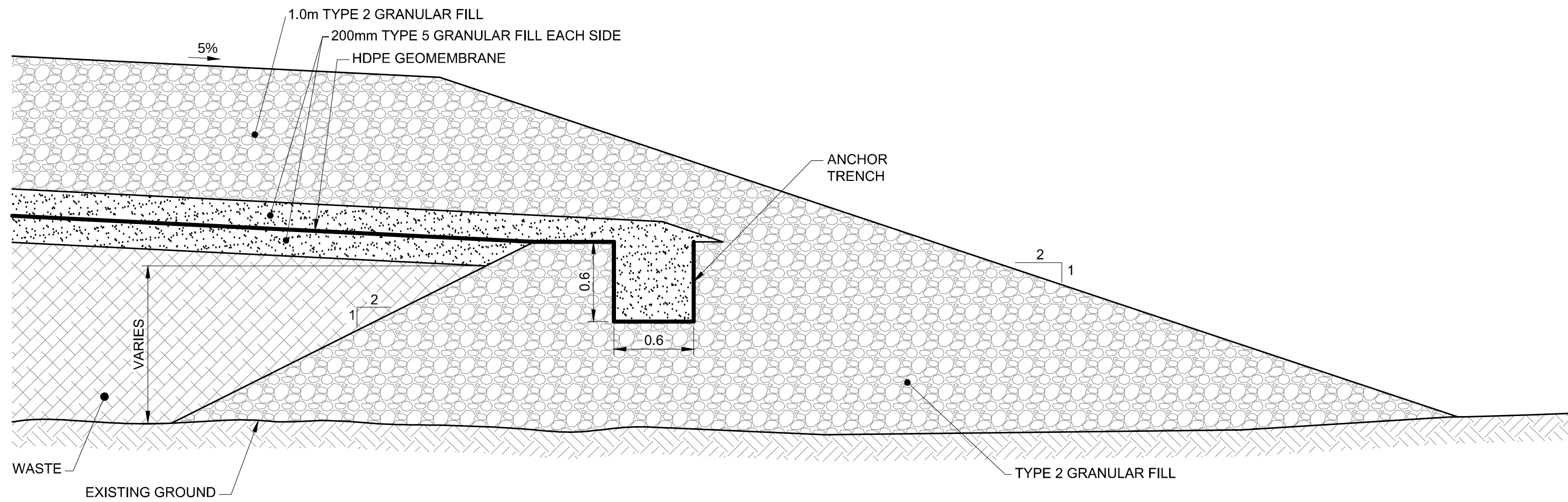
TYPICAL MONITORING WELL / BACKGROUND MONITORING WELL

SCALE: N.T.S.
(FOR BEDROCK DEPTH > 0.7m)



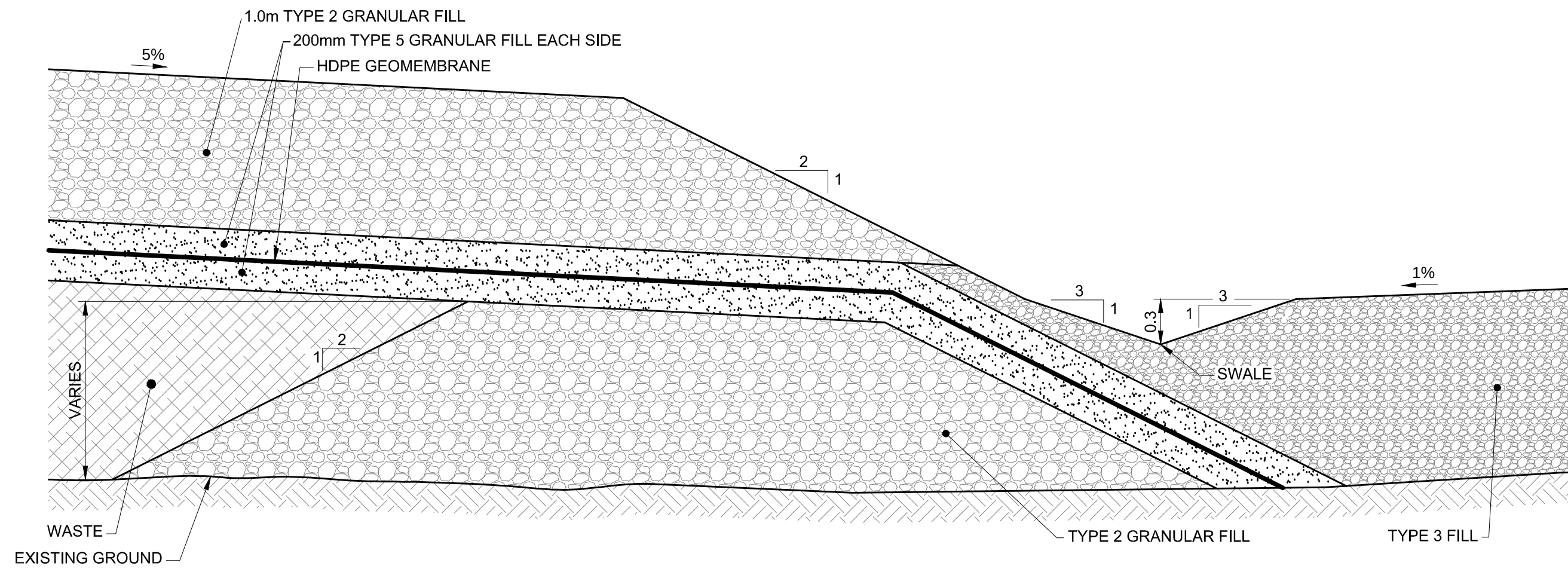
TYPICAL MONITORING WELL / BACKGROUND MONITORING WELL

SCALE: N.T.S.
(FOR BEDROCK DEPTH < 0.7m)



TYPICAL DETAIL - TERRA MINE LANDFILL ANCHOR TRENCH

SCALE: N.T.S.

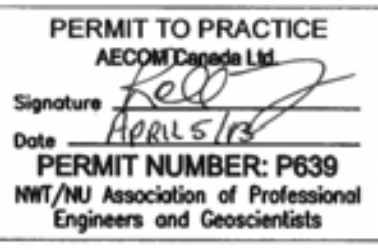


TYPICAL DETAIL - TERRA MINE LANDFILL SWALE

SCALE: N.T.S.

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.



AECOM

B	ISSUED FOR TENDER	13/03/28
A	ISSUED FOR 90% REVIEW	13/02/04

REVISIONS	DESCRIPTION	DATE
A	detail number number du detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

project title: GREAT BEAR LAKE SITES REMEDIATION PROJECT NORTHWEST TERRITORIES

drawing title: MISCELLANEOUS DETAILS SHEET 2 OF 3

ISSUED FOR TENDER
NOT FOR CONSTRUCTION
Date: 2013/03/28

designed by: C. MOORE	conçu par:
drawn by: A. DE LEON	dessiné par:
approved by: W. BEBEAU	approuvé par:
PM/SGC Project Manager: M. BERNARDIN	Administrateur de Projets TPSGC
scale: AS SHOWN	échelle:
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