

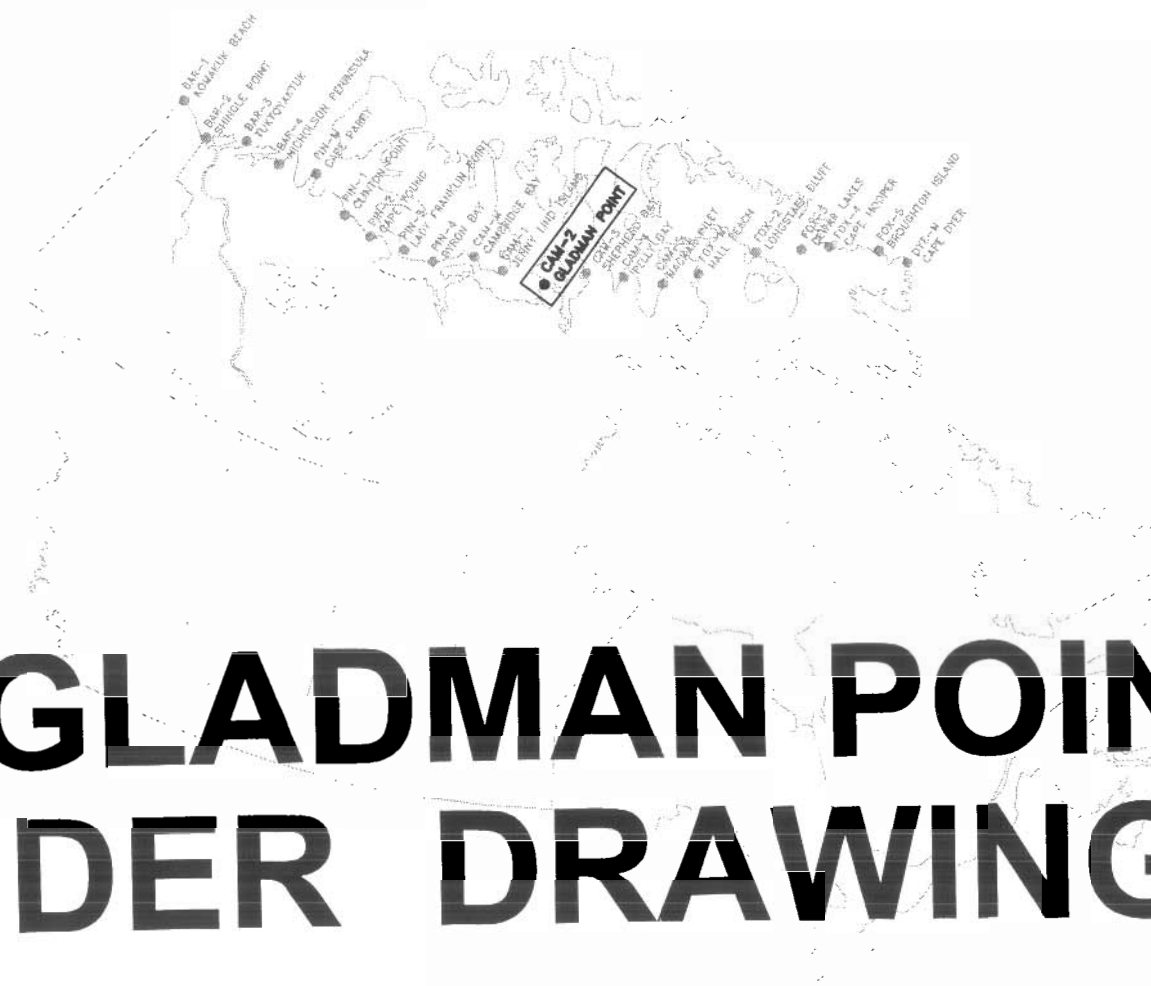


National
Defence

Défense
nationale

DEW LINE CLEAN UP PROJECT

DRAWING INDEX					
DRAWING No.	TITLE	DRAWING No.	TITLE	DRAWING No.	TITLE
SITING		SITING		STRUCTURAL	
H-G36/1-9101-101	OVERALL SITE PLAN	H-G36/1-9101-115	STATION LANDFILL REGRADING PLAN AND SECTIONS	H-G36/1-9101-208	MODULE TRAIN UNITS 1A-25 ELEVATIONS
H-G36/1-9101-102	PROJECT LAYOUT	H-G36/1-9101-116	CONTAMINATED AREAS SECTION AND DETAILS SH. 1	H-G36/1-9101-207	HANGAR PLAN AND SECTION
H-G36/1-9101-103	STATION AREA SITE PLAN	H-G36/1-9101-117	CONTAMINATED AREAS SECTION AND DETAILS SH. 2	H-G36/1-9101-208	POL PUMPHOUSE PLAN AND ELEVATIONS
H-G36/1-9101-104	STATION LANDFILL AREA SITE PLAN	H-G36/1-9101-118	CONTAMINATED AREAS SECTION AND DETAILS SH. 3	H-G36/1-9101-209	RADAR TOWER / RADOME PLAN AND SECTION
H-G36/1-9101-105	WEST LANDFILL AREA SITE PLAN	H-G36/1-9101-119	CONTAMINATED AREAS SECTION AND DETAILS SH. 4	H-G36/1-9101-210	COMMUNICATION DISH ELEVATIONS
H-G36/1-9101-106	AIRSTRIIP LANDFILL AREA SITE PLAN	H-G36/1-9101-120	CONTAMINATED AREAS SECTION AND DETAILS SH. 5	H-G36/1-9101-211	COMMUNICATION BILLBOARD, FEEDHORN AND WAVEGUIDE PLAN, SECTIONS AND ELEVATIONS
H-G36/1-9101-107	BEACH AREA SITE PLAN	H-G36/1-9101-121	MISCELLANEOUS DETAILS SH. 1	H-G36/1-9101-212	FUEL TANKS PLAN AND ELEVATIONS
H-G36/1-9101-108	USAF LANDFILL AREA AND AIRSTRIIP SOUTH DEBRIS AREA SITE PLAN	H-G36/1-9101-122	MISCELLANEOUS DETAILS SH. 2	H-G36/1-9101-213	AIRSTRIIP ANCILLARY FACILITIES STANDARD DETAILS
H-G36/1-9101-109	LANDFARM CROSS SECTION	STRUCTURAL		© COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2002, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.	
H-G36/1-9101-110	NON-HAZARDOUS WASTE LANDFILL PLAN AND CROSS SECTION	H-G36/1-9101-201	STATION AREA DEMOLITION SITE PLAN		
H-G36/1-9101-111	TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN AND GRADING/INSTRUMENTATION PLAN	H-G36/1-9101-202	AIRSTRIIP AREA AND BEACH AREA DEMOLITION SITE PLANS		
H-G36/1-9101-112	TIER II DISPOSAL FACILITY CROSS SECTION AND DETAIL	H-G36/1-9101-203	WAREHOUSE PLAN, SECTION AND ELEVATION		
H-G36/1-9101-113	AIRSTRIIP LANDFILL EXCAVATION PLAN AND SECTIONS	H-G36/1-9101-204	GARAGE PLAN AND SECTION		
H-G36/1-9101-114	BEACH POL AREA EXCAVATION AND REGRADING PLANS	H-G36/1-9101-205	MODULE TRAIN UNITS 1A-25 PLAN		



CAM-2 GLADMAN POINT TENDER DRAWINGS



UMA Engineering Ltd.



The SGE Group Inc.

DECEMBER, 2002

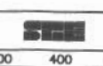
General Notes:

Legend:

 BODY OF WATER

No.	DATE	REVISION	REVISION
-----	------	----------	----------

DRAFT

uma 
SCALE - ECHELLE 200 100 0 200 400 600

PROJECT - PROJET
CAM-2 GLADMAN POINT

DEW LINE CLEAN UP

© COPYRIGHT
HER MAJESTY THE QUEEN IN RIGHT OF
CANADA 2002, AS REPRESENTED BY
THE MINISTER OF NATIONAL DEFENCE.

TRADE - METIER **SITING** DATE **2002-12-**

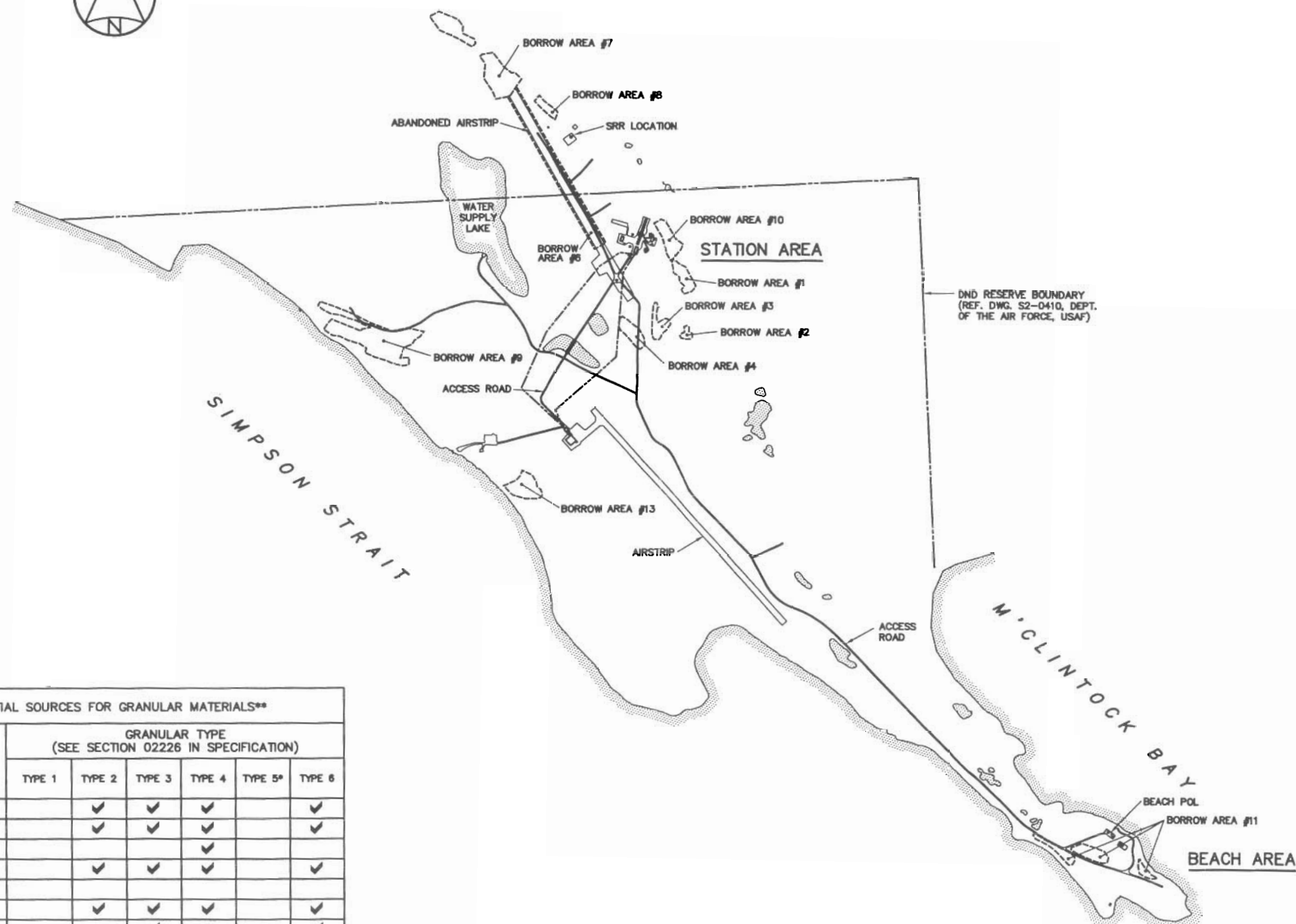
SUBJECT - SUJET

OVERALL SITE PLAN

PRODUCTION	CONCURRENCE - ASSESSMENT
DESIGNED ETUDE ANP/XMS	DES OFF AGENT CONCEPT
DRAWN DESSINE RN/MB	SECT HD CHIEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-G36/1-9101-101

Canada



POTENTIAL SOURCES FOR GRANULAR MATERIALS**

BORROW AREA	GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION)					
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5*	TYPE 6
1		✓	✓	✓		✓
2		✓	✓	✓		✓
3			✓	✓		✓
4		✓	✓	✓		✓
6			✓	✓		✓
7		✓	✓	✓		✓
8			✓	✓		✓
9	✓		✓	✓		✓
10					✓	
11	✓				✓	
13	✓ (BOULDERS)					

* POCKETS WITHIN BORROW AREA

** REFER TO GEOTECHNICAL INFORMATION IN APPENDIX C IN SPECIFICATION.

KEY PLAN



COORDINATE POINTS STATION AREA REGRADING		
NO.	NORTHING	EASTING
101	7 618 707.6	548 307.8
102	7 618 692.3	548 324.4
103	7 618 679.3	548 310.9
104	7 618 679.5	548 299.8
105	7 618 693.9	548 292.9
106	7 618 649.3	548 308.3
107	7 618 642.8	548 327.3
108	7 618 633.0	548 325.7
109	7 618 612.4	548 307.5
110	7 618 633.4	548 288.7
111	7 618 550.7	548 473.7
112	7 618 545.3	548 485.5
113	7 618 529.9	548 477.0
114	7 618 538.3	548 484.7
115	7 618 709.6	548 737.5
116	7 618 684.4	548 743.2
117	7 618 684.4	548 730.8
118	7 618 692.6	548 717.8

COORDINATE POINTS STATION AREA DEBRIS EXCAVATION		
NO.	NORTHING	EASTING
119	7 618 691.2	548 702.7
120	7 618 686.8	548 704.8
121	7 618 679.8	548 689.7
122	7 618 683.2	548 687.1

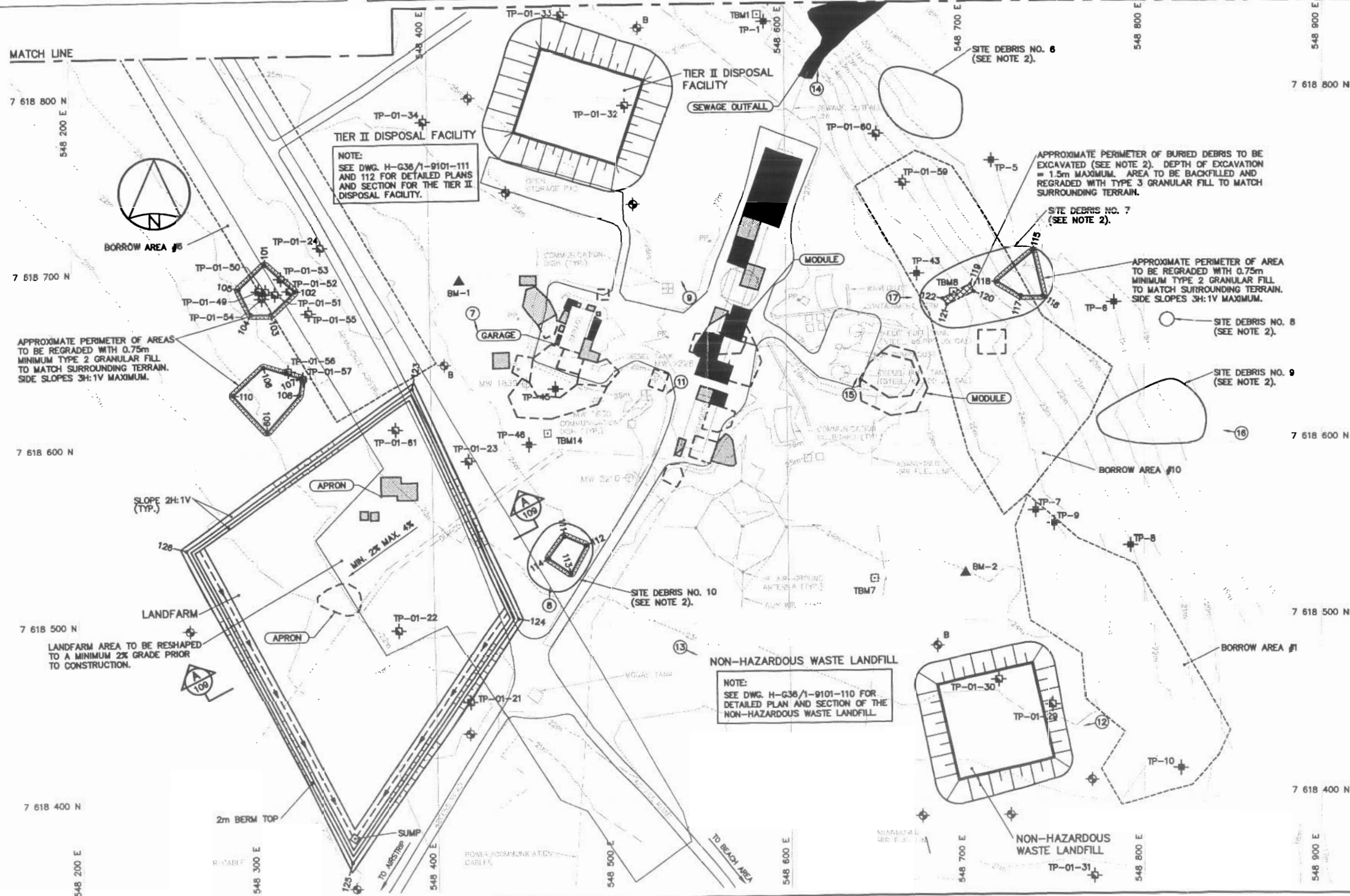
COORDINATE POINTS LANDFARM			
NO.	NORTHING	EASTING	ELEV.
123	7 618 635.6	548 389.4	25.1
124	7 618 504.4	548 447.2	23.8
125	7 618 368.5	548 350.8	20.8
126	7 618 545.7	548 280.9	22.0

TEMPORARY BENCHMARKS			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
1	7 618 845.688	548 585.035	26.469
7	7 618 524.361	548 648.046	23.951
8	7 618 686.996	548 693.199	25.615
14	7 618 609.179	548 465.118	25.195

CONTAMINATED SOIL				
AREA	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
TIER I				
GARAGE	593	209	7 618 659.9	548 470.0
MODULE	595	188	7 618 677.1	548 580.2
APRON	260	304	7 618 677.1	548 580.2
TIER II				
GARAGE	118	43	7 618 659.9	548 470.0
MODULE	1698	1462	7 618 677.1	548 580.2
SEWAGE OUTFALL	3663	1099	7 618 611.2	548 606.9
TYPE B				
C2-GAR	1806	1515	7 618 659.9	548 470.0
C2-MOD	2769	1736	7 618 677.1	548 580.2
APRON	322	161	7 618 677.1	548 580.2

FOR CONTAMINATED SOIL DETAILS SEE DWGS. H-G36/1-9101-116, 117 AND 118.

FOR CONTAMINATED SOIL DETAILS SEE DWGS. H-G36/1-9101-116, 117 AND 118.



General Notes:

- ALL COORDINATES ARE REFERENCED TO UTM ZONE 14N, NAD83.
- DEBRIS AREAS: SEE DESCRIPTION IN TABLE 02219-1 IN SPECIFICATION. ALL NON-HAZARDOUS DEBRIS TO BE PLACED IN NON-HAZARDOUS WASTE LANDFILL.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
- ALL SHORT RANGE RADAR (SRR) FACILITIES ARE CURRENTLY OPERATIONAL AND ARE NOT TO BE DISTURBED.
- FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-G36/1-9101-122. EXACT LOCATIONS TO BE FIELD DETERMINED BY THE ENGINEER.
- ALL SOIL CLASSIFICATIONS ARE BASED ON CONTAMINATED SOIL DISPOSAL REQUIREMENTS.
- FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-G36/1-9101-122. LOCATIONS TO BE APPROVED BY THE ENGINEER.

Legend:

- TBM7 TEMPORARY BENCHMARK
- TIER I CONTAMINATED SOILS
- TIER II CONTAMINATED SOILS
- TYPE B CONTAMINATED SOILS
- GROUNDWATER MONITORING WELL
- TEST PIT LOCATION (1993)
- TEST PIT LOCATION (2001)
- BM-1 PROPOSED PERMANENT BENCHMARK LOCATION (2). (SEE NOTE 8).
- PROPOSED MONITORING WELL LOCATION (9)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (3)
- PHOTOGRAPHIC VIEWPOINT
- COORDINATE POINT
- BURIED DEBRIS EXCAVATION AREA
- BODY OF WATER

No.	DATE	REVISION	REVISION
-----	------	----------	----------

DRAFT

SCALE - ÉCHELLE 20 10 0 20 40

PROJECT - PROJET
CAM-2 GLADMAN POINT

DEW LINE CLEAN UP

© COPYRIGHT
HER MAJESTY THE QUEEN IN RIGHT OF
CANADA 2002, AS REPRESENTED BY
THE MINISTER OF NATIONAL DEFENCE.

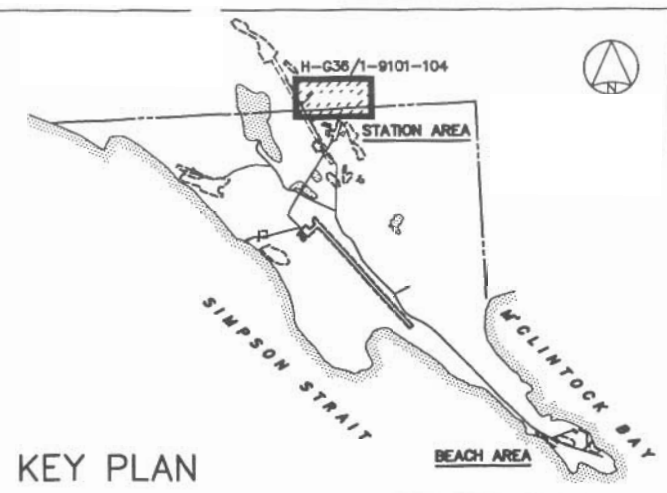
TRADE - MÉTRER
SITING
SUBJECT - SUJET

DATE 2002-1

STATION AREA
SITE PLAN

PRODUCTION	CONCURRENCE - ASSÉNTIMENT
DESIGNED ETUDE ANP/KMS	DES OFF AGENT CONCEP
DRAWN DESSINE RN/LJV	SECT NO CHIEF SECT
CHECKED VERIFI RRM	DES MGR GEST CONCEP
COORDINATION SMS	REVIEWED - REVU

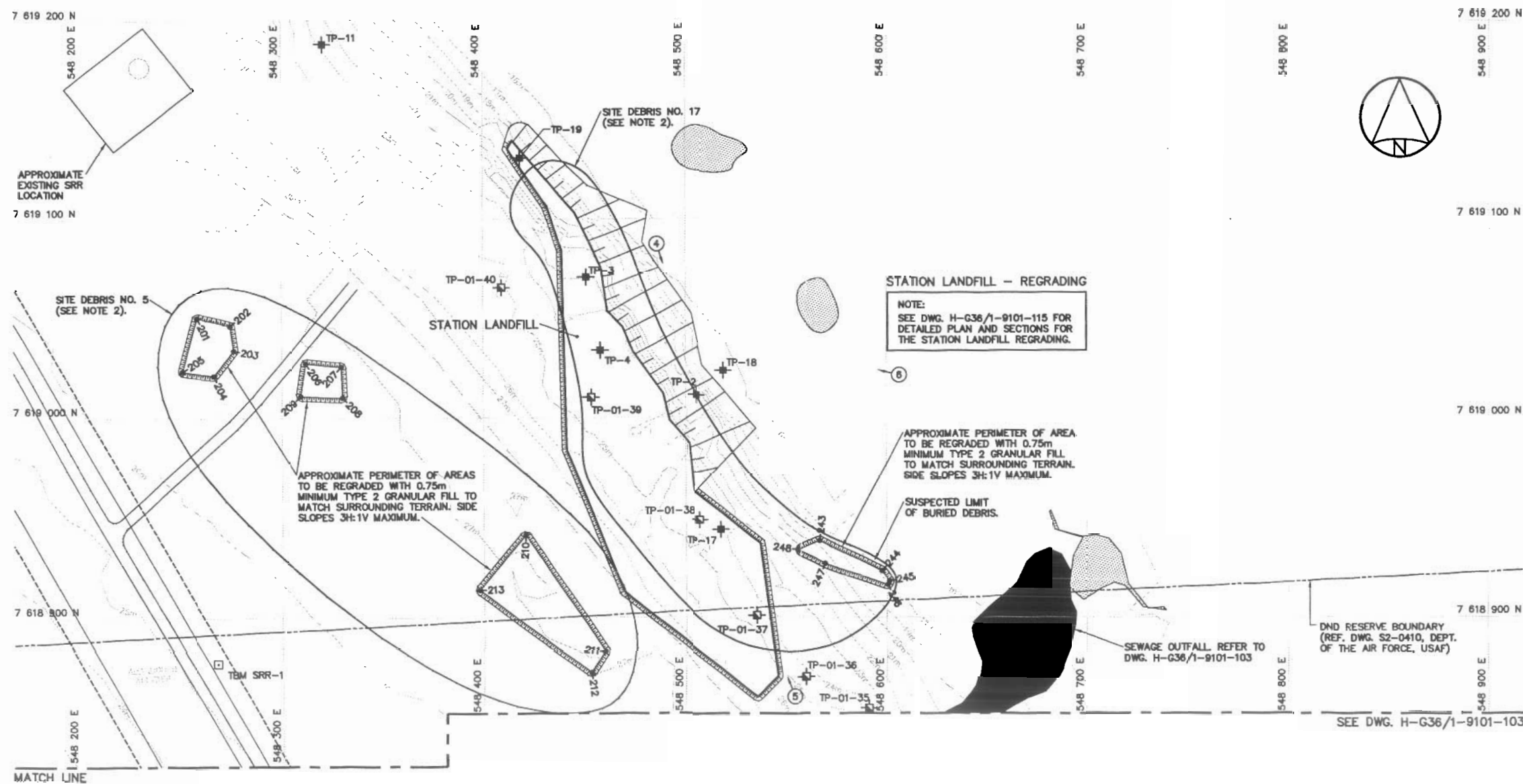
DWG. NO. - DESSIN NO.
H-G36/1-9101-103



COORDINATE POINTS STATION LANDFILL AREA REGRADING		
NO.	NORTHING	EASTING
201	7 619 050.3	548 258.3
202	7 619 046.4	548 274.6
203	7 619 034.0	548 276.3
204	7 619 021.2	548 266.4
205	7 619 023.3	548 251.0
206	7 619 027.4	548 311.7
207	7 619 025.8	548 329.3
208	7 619 010.3	548 330.0
209	7 619 010.9	548 309.2
210	7 618 941.2	548 421.1
211	7 618 882.9	548 459.9
212	7 618 872.4	548 453.1
213	7 618 913.7	548 397.9

COORDINATE POINTS STATION LANDFILL AREA REGRADING		
NO.	NORTHING	EASTING
243	7 618 938.0	548 568.6
244	7 618 923.1	548 597.7
245	7 618 918.0	548 601.4
246	7 618 916.2	548 600.6
247	7 618 926.7	548 589.6
248	7 618 933.7	548 556.1

TEMPORARY BENCHMARKS			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
SRR-1	7 618 877.106	548 267.873	24.975



General Notes:

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 14N, NAD83.
2. DEBRIS AREAS: SEE DESCRIPTION IN TABLE 02219-1 IN SPECIFICATION. ALL NON-HAZARDOUS DEBRIS TO BE PLACED IN NON-HAZARDOUS WASTE LANDFILL.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
5. ALL SHORT RANGE RADAR (SRR) FACILITIES ARE CURRENTLY OPERATIONAL AND ARE NOT TO BE DISTURBED.
6. ALL SOIL CLASSIFICATIONS ARE BASED ON CONTAMINATED SOIL DISPOSAL REQUIREMENTS.

Legend:

- TEMPORARY BENCHMARK
- TIER II CONTAMINATED SOILS
- TEST PIT LOCATION (1993)
- TEST PIT LOCATION (2001)
- COORDINATE POINT
- PHOTOGRAPHIC VIEWPOINT
- BODY OF WATER

NO.	DATE	REVISION	REVISION
-----	------	----------	----------

DRAFT

uma sra

SCALE - ECHELLE 20 10 0 20 40

PROJECT - PROJET
CAM-2 GLADMAN POINT

DEW LINE CLEAN UP

© COPYRIGHT
HER MAJESTY THE QUEEN IN RIGHT OF
CANADA 2002, AS REPRESENTED BY
THE MINISTER OF NATIONAL DEFENCE.

TRADE - METIER SITING DATE 2002-12

SUBJECT - SUJET

STATION LANDFILL AREA
SITE PLAN

PRODUCTION	CONCURRENCE - ASSISEMENT
DESIGNED ETUDE ANP/KMS	DES OFF AGENT CONCEP
DRAWN DESSINE RN/LJV	SECT HD CHIEF SECT
CHECKED VERIFIE RRM	DES MOR GEST CONCEP
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-G36/1-9101-104

Canada

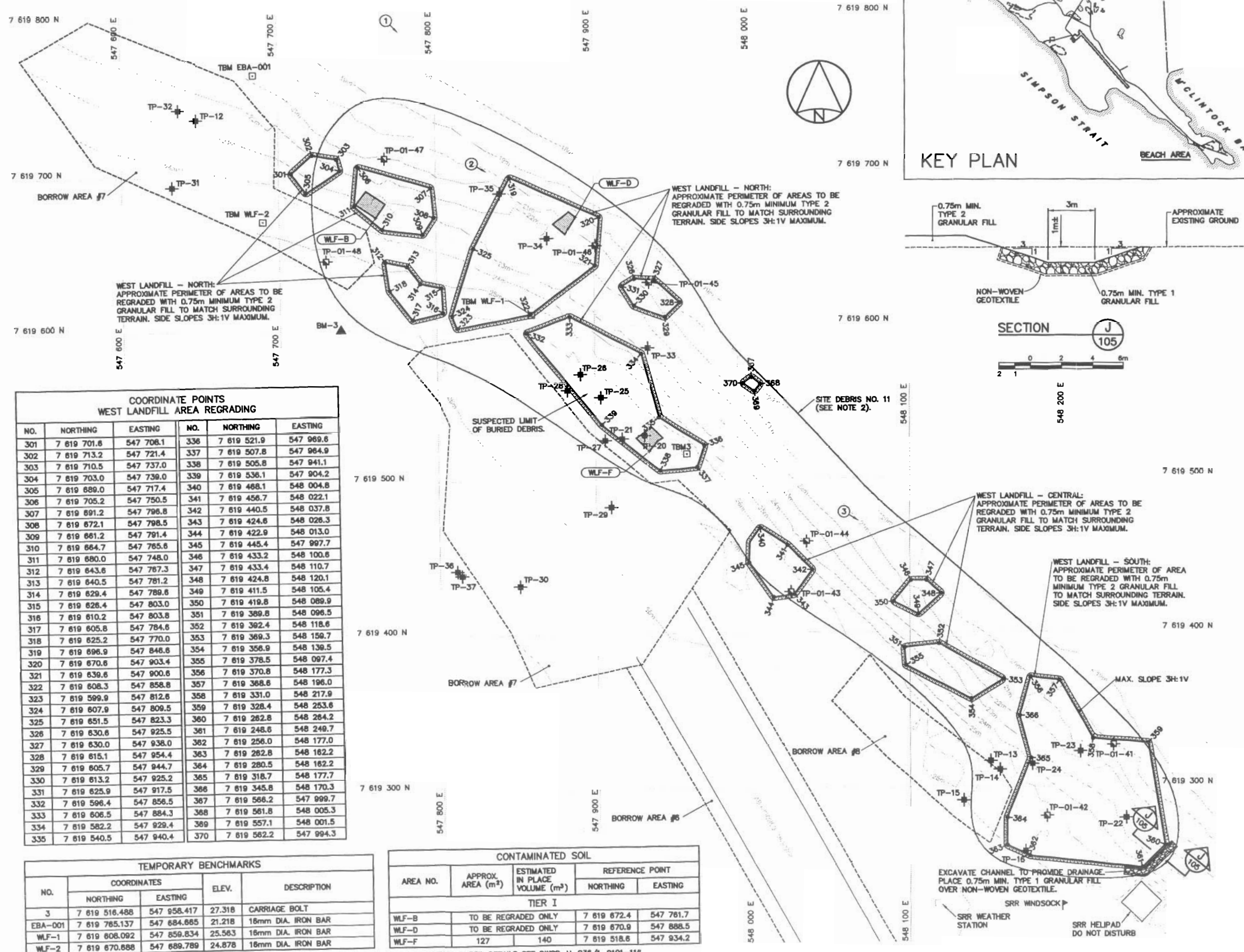
General Notes:

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 14N, NAD83.
2. DEBRIS AREAS: SEE DESCRIPTION IN TABLE 02219-1 IN SPECIFICATION. ALL NON-HAZARDOUS DEBRIS TO BE PLACED IN NON-HAZARDOUS WASTE LANDFILL.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
5. ALL SHORT RANGE RADAR (SRR) FACILITIES ARE CURRENTLY OPERATIONAL AND ARE NOT TO BE DISTURBED.
6. ALL SOIL CLASSIFICATIONS ARE BASED ON CONTAMINATED SOIL DISPOSAL REQUIREMENTS.
7. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-G36/1-9101-122. LOCATIONS TO BE APPROVED BY THE ENGINEER.

Legend:

- TBM2 TEMPORARY BENCHMARK
- TIER I CONTAMINATED SOILS
- ✱ TEST PIT LOCATION (1993)
- ✱ TEST PIT LOCATION (2001)
- ▲ BM-3 PROPOSED PERMANENT BENCHMARK LOCATION (1). (SEE NOTE 7).
- COORDINATE POINT
- ⊙ PHOTOGRAPHIC VIEWPOINT
- BODY OF WATER

No.	DATE	REVISION	REVISION
DRAFT			
SCALE - ÉCHELLE 20 10 0 20 40			
PROJECT - PROJET			
CAM-2 GLADMAN POINT			
DEW LINE CLEAN UP			
© COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2002, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.			
TRADE - MÉTRER		SITING	DATE 2002-11
SUBJECT - SUJET			
WEST LANDFILL AREA SITE PLAN			
PRODUCTION		CONCURRENCE - ASSÉNTIMENT	
DESIGNED ÉTUDE ANP/KMS	DES OFF AGÉNT COINCE		
DRAWN DESSIN RN/LJV	SECT HD CHIEF SECT		
CHECKED VÉRIFI RRM	DES MOR BEST CONCEPT		
COORDINATION SMS		REVIEWED - REVU	
DWG. NO. - DESSIN NO. H-G36/1-9101-105			



COORDINATE POINTS WEST LANDFILL AREA REGRADING					
NO.	NORTHING	EASTING	NO.	NORTHING	EASTING
301	7 619 701.6	547 706.1	336	7 619 521.9	547 969.6
302	7 619 713.2	547 721.4	337	7 619 507.8	547 964.9
303	7 619 710.5	547 737.0	338	7 619 505.8	547 941.1
304	7 619 703.0	547 738.0	339	7 619 536.1	547 904.2
305	7 619 689.0	547 717.4	340	7 619 488.1	548 004.8
306	7 619 705.2	547 750.5	341	7 619 456.7	548 022.1
307	7 619 691.2	547 796.8	342	7 619 440.5	548 037.8
308	7 619 672.1	547 798.5	343	7 619 424.6	548 026.3
309	7 619 661.2	547 791.4	344	7 619 422.9	548 013.0
310	7 619 664.7	547 765.6	345	7 619 445.4	547 997.7
311	7 619 680.0	547 748.0	346	7 619 433.2	548 100.6
312	7 619 643.6	547 767.3	347	7 619 433.4	548 110.7
313	7 619 640.5	547 781.2	348	7 619 424.8	548 120.1
314	7 619 629.4	547 789.6	349	7 619 411.5	548 105.4
315	7 619 626.4	547 803.0	350	7 619 419.8	548 089.9
316	7 619 610.2	547 803.8	351	7 619 389.8	548 096.5
317	7 619 605.8	547 784.6	352	7 619 382.4	548 118.6
318	7 619 625.2	547 770.0	353	7 619 369.3	548 150.7
319	7 619 696.9	547 846.8	354	7 619 356.9	548 139.5
320	7 619 670.6	547 903.4	355	7 619 378.5	548 097.4
321	7 619 639.6	547 900.6	356	7 619 370.8	548 177.3
322	7 619 608.3	547 858.8	357	7 619 368.6	548 196.0
323	7 619 599.9	547 812.6	358	7 619 331.0	548 217.9
324	7 619 607.9	547 809.5	359	7 619 328.4	548 253.6
325	7 619 651.5	547 823.3	360	7 619 262.8	548 264.2
326	7 619 630.6	547 925.5	361	7 619 248.6	548 249.7
327	7 619 630.0	547 938.0	362	7 619 256.0	548 177.0
328	7 619 615.1	547 954.4	363	7 619 282.8	548 162.2
329	7 619 605.7	547 944.7	364	7 619 280.5	548 162.2
330	7 619 613.2	547 925.2	365	7 619 318.7	548 177.7
331	7 619 625.9	547 917.5	366	7 619 345.8	548 170.3
332	7 619 596.4	547 856.5	367	7 619 568.2	547 999.7
333	7 619 606.5	547 884.3	368	7 619 561.8	548 005.3
334	7 619 582.2	547 929.4	369	7 619 557.1	548 001.5
335	7 619 540.5	547 940.4	370	7 619 582.2	547 994.3

TEMPORARY BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
3	7 619 516.488	547 958.417	27.318	CARRIAGE BOLT
EBA-001	7 619 785.137	547 684.685	21.218	16mm DIA. IRON BAR
WLF-1	7 619 608.092	547 859.834	25.583	16mm DIA. IRON BAR
WLF-2	7 619 670.888	547 689.789	24.878	16mm DIA. IRON BAR

CONTAMINATED SOIL				
AREA NO.	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
TIER I				
WLF-B	TO BE REGRADED ONLY		7 619 672.4	547 761.7
WLF-D	TO BE REGRADED ONLY		7 619 670.9	547 888.5
WLF-F	127	140	7 619 518.6	547 934.2

FOR CONTAMINATED SOIL DETAILS SEE DWGS. H-G36/1-9101-116.