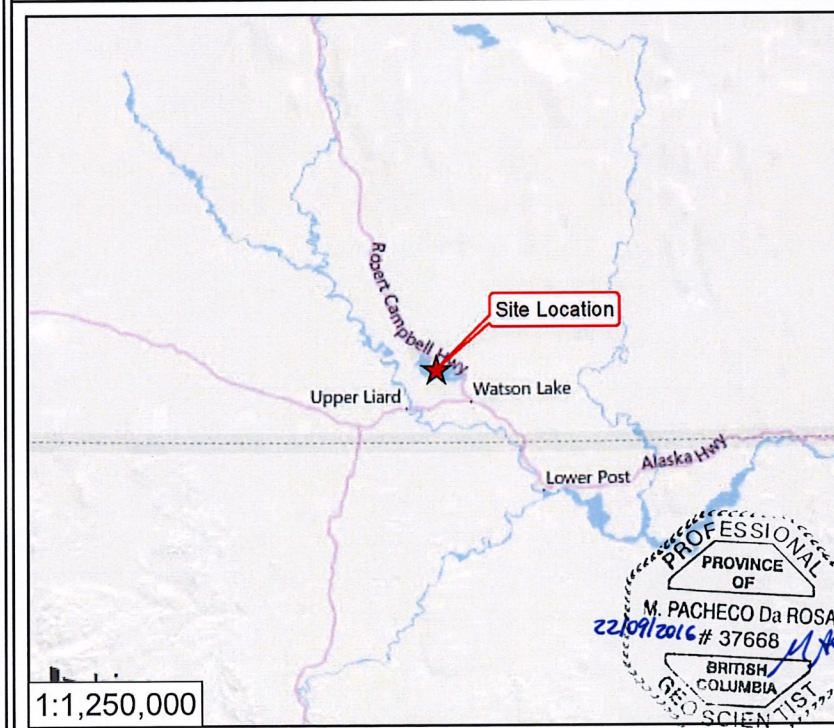
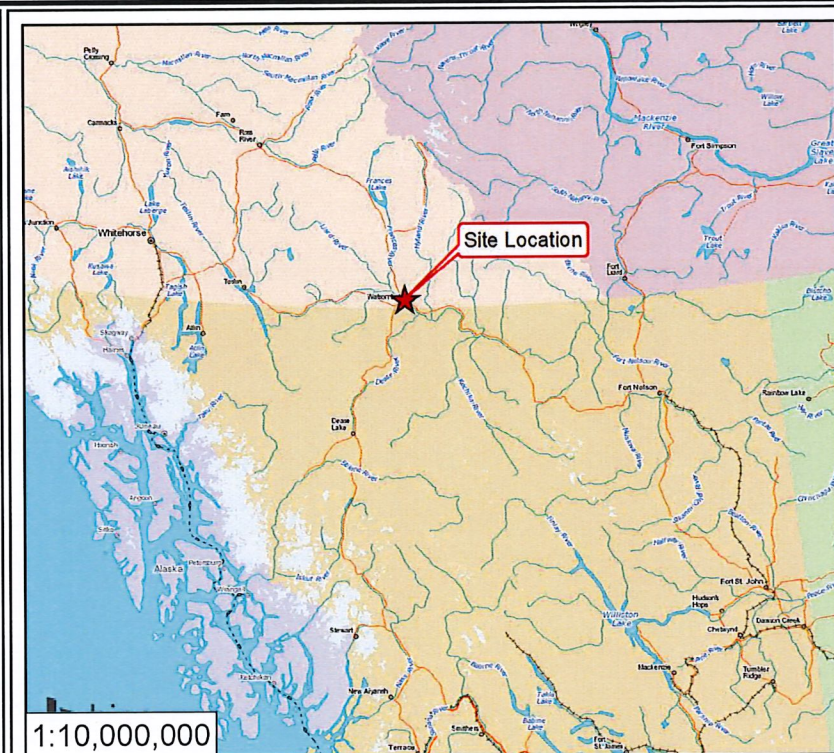
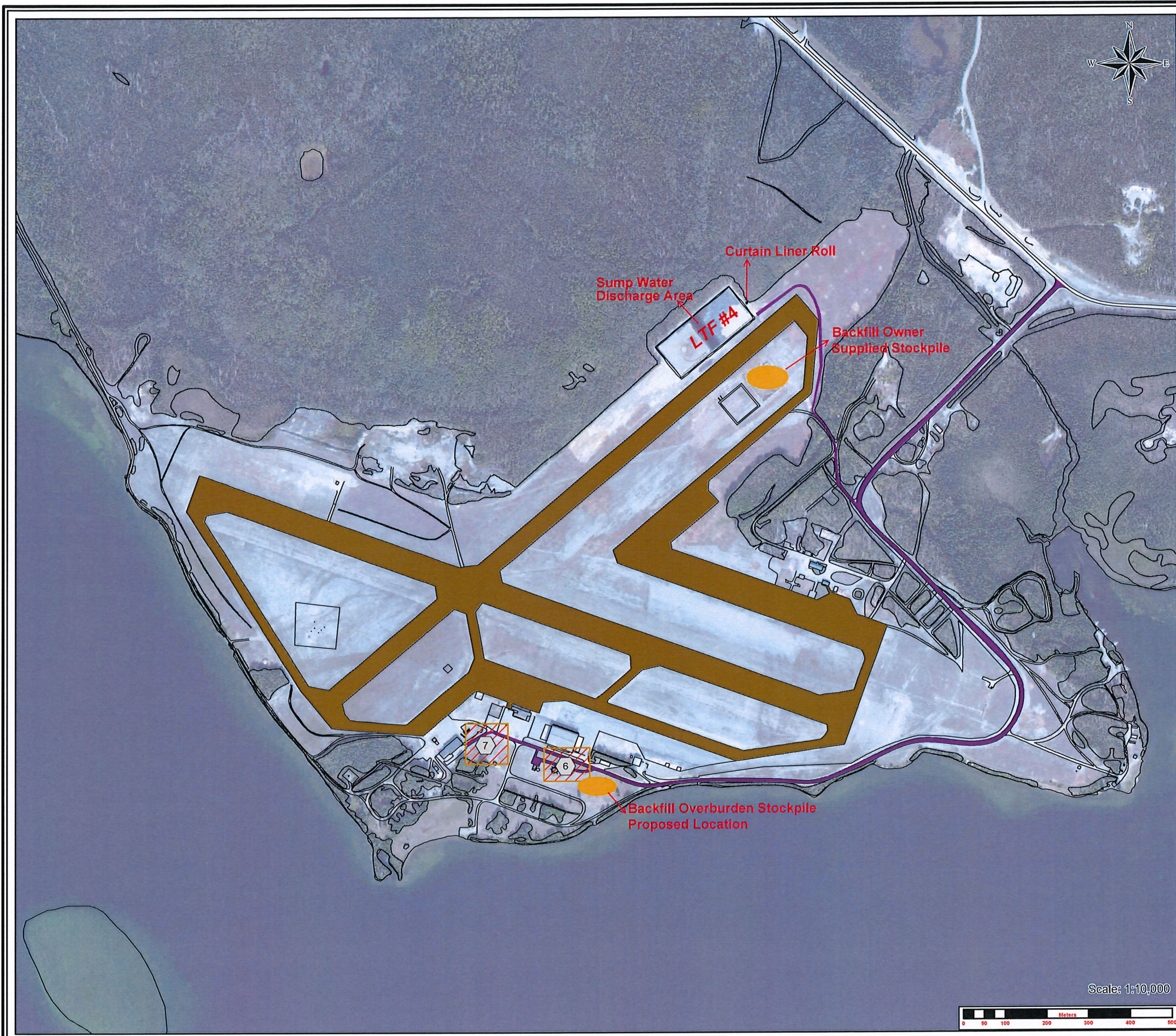


## **DRAWINGS**





#### Legend

- AEC
- Haul Road

Notes:  
 -Curtain Liner Supplied by PWGSC/TC  
 -Contractor to supply liner (30 mil) for LTF repair, as per specifications attached  
 -Coordinate System:  
 NAD 1983 UTM Zone 9N

Title <b>Site Location</b>	
Project Project Location: Watson Lake Airport Yukon, YT	
Client PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	Date 2016/08/17
<b>SNC · LAVALIN</b>	Map No. <b>640250-001</b>



01TP06-1	Depth Range	VPH	LEPH
01TP06-1A	1.8	970	7,500

MW02-6-6	Depth Range	VPH	LEPH
MW02-6-6	1.8 - 3.1	<STD	3,040

BH09-6-26	Depth Range	VPH	LEPH
BH09-6-26-2	2.7 - 3.0	<STD	4,700
BH09-DUP-29	2.7 - 3.0	<STD	2,400

MW05-6-10	Depth Range	VPH	LEPH
06BH05-2-3	2.74 - 3.05	<STD	3,510

BH09-6-17	Depth Range	VPH	LEPH
BH09-6-17-4	2.6 - 2.8	<STD	4,900

6-BH15-31	Depth Range	VPH	LEPH
6-BH15-31-7	3.7 - 3.8	<STD	7,160

BH09-6-21	Depth Range	VPH	LEPH
BH09-6-21-3	3.0 - 3.2	<STD	8,500

BH09-6-20	Depth Range	VPH	LEPH
BH09-6-20-2	2.7 - 2.9	<STD	2,800

6-BH15-29	Depth Range	VPH	LEPH
6-BH15-29-7	3.5 - 3.8	260	3,550

VPH VOLATILE PETROLEUM HYDROCARBONS  
LEPH LIGHT EXTRACTABLE PETROLEUM HYDROCARBONS  
< DENOTES CONCENTRATION LESS THAN INDICATED DETECTION LIMIT

	VPH	LEPH
Yukon CSR CL STANDARDS (ug/g)	200	2000

LOCATION	ANALYTICAL SOIL RESULTS
MW05-6-10	Depth Range VPH LEPH
06BH05-2-3	2.74 - 3.05 <STD 3,510

SAMPLE ID  
DEPTH OF SAMPLE (m)  
GREEN - CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE Yukon CSR CL STANDARDS  
RED - CONCENTRATION GREATER THAN THE APPLICABLE Yukon CSR CL STANDARDS

CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE Yukon CSR CL STANDARDS  
CONCENTRATION GREATER THAN THE APPLICABLE Yukon CSR CL STANDARDS

LEGEND 0 5 25 METERS

AREA OF ENVIRONMENTAL CONCERN (AEC)  
FOREST (TREE LINE)  
FORMER STRUCTURE  
CURRENT FENCE  
BOREHOLE  
MONITORING WELL  
DESTROYED MONITORING WELL  
TEST PIT  
CONTAMINATED MATERIAL EXTENT (BASE WORK A)  
CONTAMINATED MATERIAL EXTENT (OPTIONAL WORK B)  
GEOMEMBRANE CURTAIN - SUPPLIED BY PWGSC/TC, INSTALLED BY CONTRACTOR  
SEPTIC FIELD  
GRASS-COVERED AREA  
NOTE:  
1. COMPACT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.  
2. PAVING TO BE INCLUDED AS PART OF OPTIONAL WORK. REINSTATEMENT AND PAVING OF ACCESS ROAD MUST, AT A MINIMUM, MEET THE YUKON AVIATION BRANCH SPECIFICATIONS

## NOTES

1. ORIGINAL DRAWING IN COLOUR.
2. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO INTRUSIVE WORK. NOT ALL UTILITIES MAY BE SHOWN.



## REFERENCE DRAWINGS

POP TABLES	DATE	DESCRIPTION	BY	CHK
DWG. NO.	DATE	DESCRIPTION	BY	CHK
0	2016-09-01	ISSUED TO CLIENT	PES	MR
REV.	DATE	DESCRIPTION	BY	CHK



CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT

TITLE: PROPOSED EXCAVATION - AEC 6

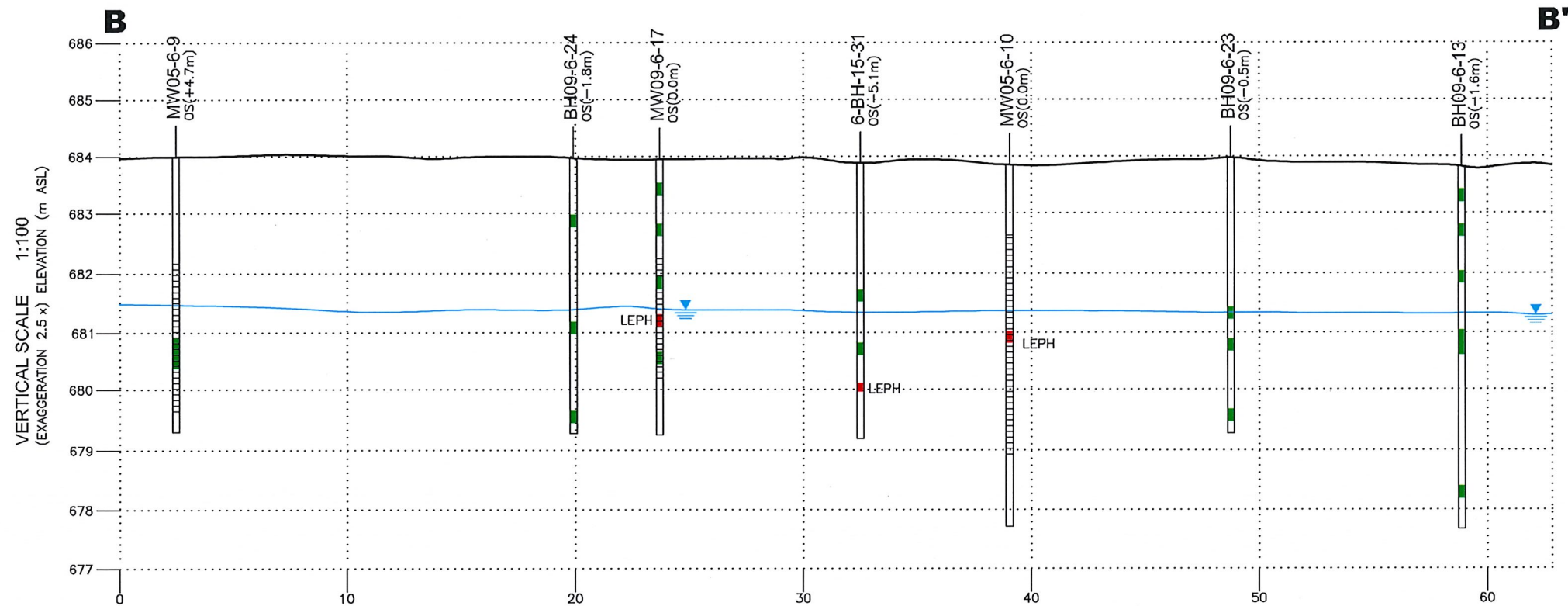
DWN BY: DRB SCALE: 1:500 DATE: 2016-08-12 DWG No: 640250-002  
PLOT: 20160902.1015 CADFILE: 640250-R1

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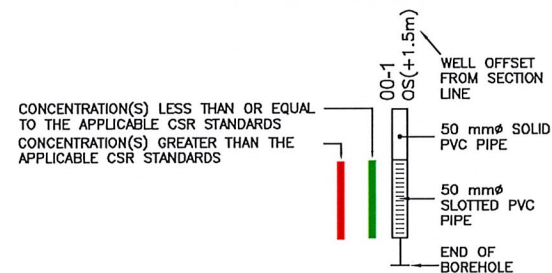






**B-B' SECTION**  
002  
HORIZONTAL SCALE  
1:250 (m)

**BOREHOLE LEGEND**



**LEGEND**

INFERRED GROUNDWATER LEVEL

0 5 10  
HORIZ  
METRES

**NOTES**

1. ORIGINAL DRAWING IN COLOUR.



**REFERENCE DRAWINGS**

DWG. NO.	DATE	DESCRIPTION
<b>REVISIONS</b>		
0	2016-09-01	ISSUED TO CLIENT
REV.	DATE	DESCRIPTION
		BY
		CHK



CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT	
TITLE: <b>CROSS SECTION B-B' - AEC 6</b>			
DWN BY: DRB	SCALE: 1:250H/1:100V	DATE: 2016-08-12	DWG No: REV.: <b>0</b>
CHK'D: MR	PLOT: 20160901.1038	CADFILE: 640250-R0	<b>640250-004</b>

PATH: P:\CURRENT PROJECTS\PWGSC\640250 WATSON LK AEC 6&7\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\640250-R0.DWG





MW01-6-2	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW01-6-2	2001 09 22	5,800	9,800	—	—	103	971	89	0.6	<5
MW01-6-2-051022	2005 10 22	<80	<80	<0.01	<0.01	101	111	12	0.2	<0.5
MW01-6-2	2011 02 10	120	120	<0.05	<0.01	87.9	61	4	0.15	<0.5
MW01-6-2-150722	2015 07 22	<100	<100	<0.05	<0.01	—	27	2	0.04	0.07

MW02-6-6	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW02-6-6	2009 08 08	1,200	1,200	—	—	—	—	—	—	—
MW02-6-6	2011 02 10	<80	<80	<0.05	<0.01	68	37	47	0.15	1
MW02-6-6	2014 06 07	<100	<100	<0.05	<0.01	93.9	<10	2	0.21	7.65
DUP14-6	DUP. OF ABOVE	120	120	<0.05	<0.01	94.9	<10	2	0.21	7.78

MW05-6-9	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW05-6-9-051022	2005 10 22	170	170	<0.04	<0.01	99.2	15	844	0.2	5.9
MW05-6-9	2008 07 16	80	80	—	—	105	518	699	<0.1	5.8
MW05-6-9	2009 05 08	<250	<250	—	—	—	—	—	—	—
MW05-6-9-150720	2015 07 20	—	—	—	—	—	21	760	0.07	4.44

MW05-6-10	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW05-6-10-051022	2005 10 22	120	120	0.057	<0.01	101	101	598	0.3	6.1
MW05-6-10	2006 07 16	—	—	—	—	94.7	<5	2	<0.1	<0.5
MW05-6-10-82407	2007 08 24	—	—	—	—	94.4	<5	2	<0.1	<0.5
MW05-6-10	2009 05 08	<250	<250	—	—	—	—	—	—	—

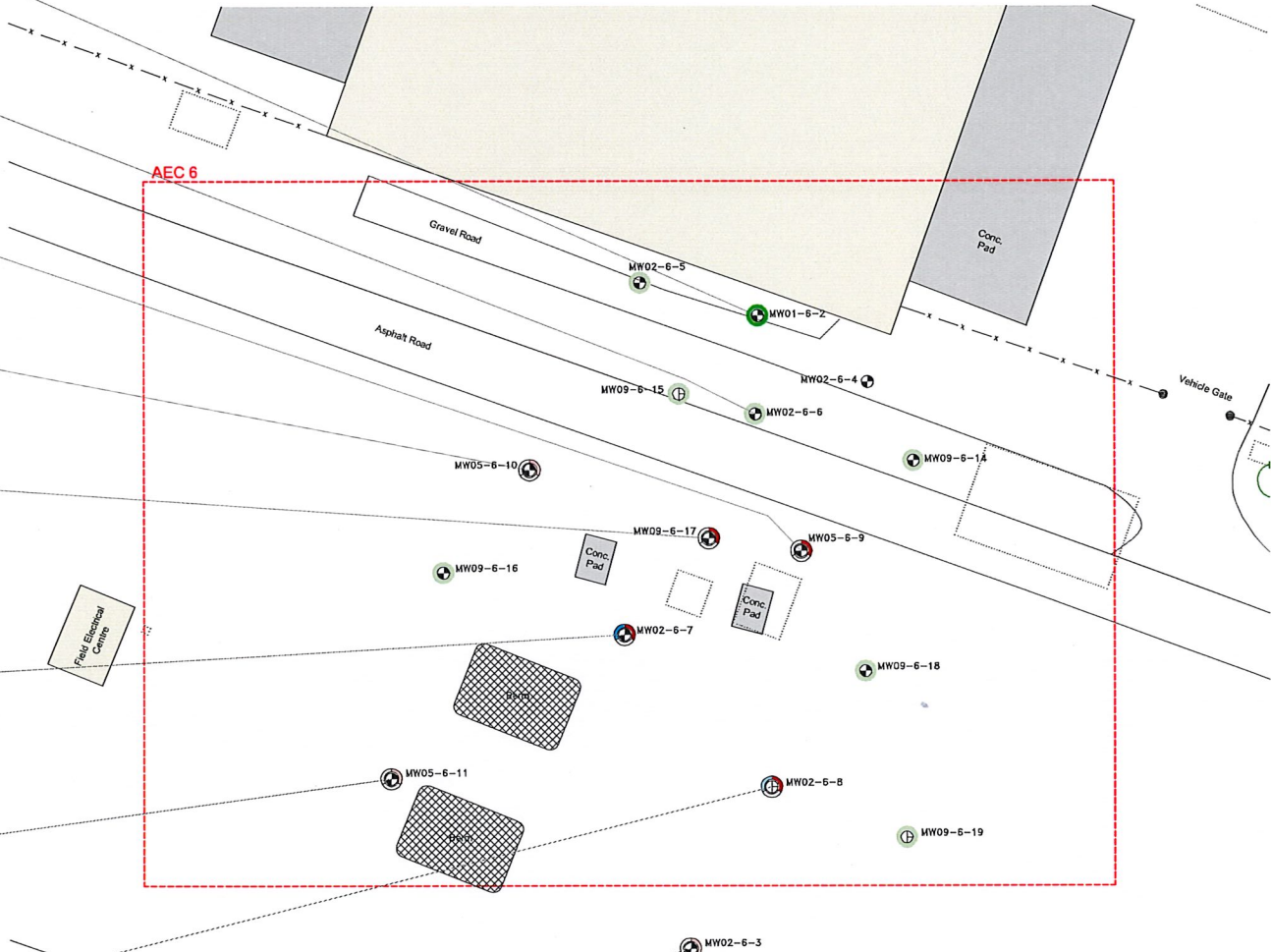
MW09-6-17	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW09-6-17	2009 08 19	3,500	3,500	0.18	<0.02	—	—	—	—	—
MW09-6-17	2011 02 10	16,400	16,400	<0.06	<0.01	84.9	1,150	85	0.02	<0.5
6-DUPAR	DUP. OF ABOVE	8,118	8,118	<0.06	<0.01	—	—	—	—	—
MW09-6-17	2014 06 07	170	170	<0.05	<0.01	93.8	481	19	<0.01	0.14
MW09-6-17-150721	2015 07 21	480	480	—	—	87.4	829	25	<0.01	<0.05
MW09-6-17-160203	2016 02 03	<100	<100	<0.05	<0.01	—	—	—	—	—

MW02-6-7	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW02-6-7-051022	2005 10 22	9,400	9,400	0	0.011	92.9	397	347	<0.1	2.1
MW02-6-7	2006 07 16	390	390	0.31	<0.01	98.7	3,690	214	<0.1	1.4
MW02-6-7-82407	2007 08 24	350	350	0.17	<0.01	97.1	3,340	209	<0.1	1.1
MW02-6-7	2008 07 30	800	800	0.14	<0.01	—	—	—	—	—
DUP-01	DUP. OF ABOVE	870	870	0.14	<0.01	—	—	—	—	—
MW02-6-7	2009 06 08	<250	<250	—	—	—	—	—	—	—
MW02-6-7	2014 06 07	200	200	<0.05	<0.01	96.9	2,510	87	<0.01	0.98
MW02-6-7-150720/21	2015 07 20/21	710	710	0.88	<0.01	—	3,580	113	<0.01	1.38

MW05-6-11	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW05-6-11-051022	2005 10 22	<80	<80	0.023	<0.01	96.5	45	256	<0.1	2.2
MW05-6-11	2006 07 16	—	—	—	—	89.6	<5	1	<0.1	<0.5
MW05-6-11-82407	2007 08 24	<80	<80	<0.01	<0.01	82.6	<5	2	<0.1	<0.5
MW05-6-11	2009 05 08	<250	<250	—	—	—	—	—	—	—
MW05-6-11-160204	2016 02 04	<100	<100	<0.05	<0.01	—	—	—	—	—

MW02-6-8	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW02-6-8-051022	2005 10 22	4,200	4,200	1.5	<0.01	103	149	329	<0.1	1.1
MW02-6-8	2006 07 16	480	470	0.45	<0.01	104	3,690	231	<0.1	<0.5
MW02-6-8-82407	2007 08 24	450	450	0.076	<0.01	106	3,190	201	<0.1	<0.5
MW02-6-8	2008 07 30	690	690	0.31	<0.01	—	—	—	—	—
MW02-6-8	2009 05 08	390	390	—	—	—	—	—	—	—
MW02-6-8-150720	2015 07 20	280	280	—	—	—	5,100	148	<0.01	0.29

MW02-6-3	Sample Date	EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
MW02-6-3-051022	2005 10 22	<80	<80	<0.01	<0.01	97.6	181	844	0.6	5.3
MW02-6-3	2006 07 16	—	—	—	—	113	2,500	950	0.4	10.8
MW02-6-3-82407	2007 08 24	180	180	<0.01	<0.01	105	1,980	658	0.3	5.9
MW02-6-3	2009 06 08	<250	<250	—	—	—	—	—	—	—
MW02-6-3	2014 06 07	<100	<100	<0.05	<0.01	87.1	<10	78	0.08	0.56
MW02-6-3-150720	2015 07 20	—	—	—	—	—	<10	35	0.05	0.65



LOCATION	ANALYTICAL GROUNDWATER RESULTS
MW02-6-7	Sample Date: 2005 10 22, EPHw10-19: 9,400, LEPHw: 9,400, PHE: 0, B(a)P: 0.011, H: 92.9, Fe: 397, Mn: 347, Cd: <0.1, Co: 2.1
SAMPLE DATE (YYYY MM DD)	
BLUE - CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR NAPL STANDARD	
CYAN - CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR AW STANDARD	
RED - CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR DW STANDARD	
NO APPLICABLE STANDARD	
GREEN - CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE YUKON CSR STANDARD	

EPHw10-19	LEPHw	PHE	B(a)P	H	Fe	Mn	Cd	Co
n/a	500	3	0.1	n/a	n/a	n/a	0.5 (H 99-<150)	9
n/a	n/a	n/a	0.01	n/a	300	50	5	n/a
5,000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

# LEGEND

- AREA OF ENVIRONMENTAL CONCERN
- FOREST (TREE LINE)
- FORMER BUILDING/STRUCTURE
- FENCE LINE
- MONITORING WELL
- DESTROYED MONITORING WELL



- CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE YUKON CSR STANDARD
- CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR AW STANDARD
- CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR DW STANDARD
- CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR NAPL STANDARD

- HISTORICAL CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE YUKON CSR STANDARD
- HISTORICAL CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR AW STANDARD
- HISTORICAL CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR DW STANDARD
- HISTORICAL CONCENTRATION GREATER THAN THE APPLICABLE YUKON CSR NAPL STANDARD

EPHw10-19 EXTRACTABLE PETROLEUM HYDROCARBONS  
LEPHw LIGHT EXTRACTABLE PETROLEUM HYDROCARBONS (C10-C19)  
PHE PHENANTHRENE  
B(a)P BENZOPHANTHRENE  
H HARDNESS  
Fe IRON  
Mn MANGANESE  
Cd CADMIUM  
Co COBALT  
< DENOTES CONCENTRATION LESS THAN INDICATED DETECTION LIMIT  
- NOT ANALYZED FOR



1. ORIGINAL DRAWING IN COLOUR.
2. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED ON SITE. NOT ALL UTILITIES MAY BE SHOWN.

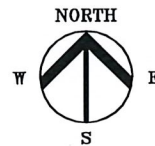
## REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
639	JUNE 2015	WATSON LAKE AIRPORT (FRANZ ENV. INC.)
REVISIONS		
0	2016-09-01	ISSUED TO CLIENT
REV.	DATE	DESCRIPTION



CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA	PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT
TITLE: DETAILED GROUNDWATER ANALYTICAL RESULTS - AEC 6	
DATE: 2016-08-19	DWG No: 640250-005





**PRE-EXISTING FENCE**  
FENCE LINE MUST BE RE-ESTABLISHED AS PART OF BASE WORK TO MATCH EXISTING FENCE.

**TEMPORARY FENCE**  
TEMPORARY FENCE TO BE INSTALLED AIRSIDE PRIOR TO CONSTRUCTION WORK.

SAMPLE ID	Depth Range	Benzene
AEC7-WLEX-321W	3.0 - 4.0	0.1

SAMPLE ID	Depth Range	Benzene
AEC7-WLEX-410W	3.0 - 4.0	0.07

BH09-7-17	Depth Range	EPH(C10-C19)
BH09-7-17-4	2.4 - 2.6	3,200

MW02-7-2	Depth Range	Arsenic	LEPH	EPH(C10-C19)
MW02-7-2	1.6 - 1.9	7	5,250	5,250
MW02-7-2	4.3 - 4.6	19	<200	<200

BH09-7-31	Depth Range	LEPH	EPH(C10-C19)
BH09-7-31-2	2.4 - 2.7	4,100	4,100
BH09-DUP-25	2.4 - 2.7	4,400	4,400

Yukon CSR CL STANDARDS (ug/g)

Arsenic	Benzene	Ethylbenzene	LEPH	EPH(C10-C19)	VPH
15	0.04	7	2,000	2,000	200

LOCATION	ANALYTICAL SOIL RESULTS
MW02-7-2	Depth Range: 1.6 - 1.9
MW02-7-2-030702	Arsenic: 7, EPH(C10-C19): 5,250

SAMPLE ID: \_\_\_\_\_  
DEPTH OF SAMPLE (m): \_\_\_\_\_  
GREEN - CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE Yukon CSR CL STANDARDS  
RED - CONCENTRATION GREATER THAN THE APPLICABLE Yukon CSR CL STANDARDS

CONCENTRATION LESS THAN OR EQUAL TO THE APPLICABLE Yukon CSR CL STANDARDS  
CONCENTRATION GREATER THAN THE APPLICABLE Yukon CSR CL STANDARDS

LEPH LIGHT EXTRACTABLE PETROLEUM HYDROCARBONS (C10-C19)  
EPH(C10-C19) EXTRACTABLE PETROLEUM HYDROCARBONS (C10-C19)  
VPH(C6-C10) VOLATILE PETROLEUM HYDROCARBONS (C6-C10)  
< DENOTES CONCENTRATION LESS THAN INDICATED DETECTION LIMIT  
- NOT ANALYZED FOR

## LEGEND



- AREA OF ENVIRONMENTAL CONCERN (AEC)
- FOREST (TREE LINE)
- FORMER STRUCTURE
- BOREHOLE
- MONITORING WELL
- DESTROYED BOREHOLE/MONITORING WELL
- TEST PIT
- CONFIRMATORY WALL/FLOOR SAMPLE

- CONTAMINATED MATERIAL EXTENT (BASE WORK A)
- TEMPORARY FENCE RELOCATION
- CURRENT FENCE
- WATER WELL
- GRASS-COVERED AREA

NOTE:  
1. COMPACT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.  
2. PAVING TO BE INCLUDED AS PART OF OPTIONAL WORK. REINSTATEMENT AND PAVING OF ACCESS ROAD MUST, AT A MINIMUM, MEET THE YUKON AVIATION BRANCH SPECIFICATIONS  
3. FENCE TO BE REINSTATED AS PART OF BASE WORK.

## NOTES

- ORIGINAL DRAWING IN COLOUR.
- LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO INTRUSIVE WORK. UTILITIES MAY BE SHOWN.



## REFERENCE DRAWINGS

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0	2016-09-01	ISSUED TO CLIENT	PES	MR
REV.	DATE	DESCRIPTION	BY	CHK



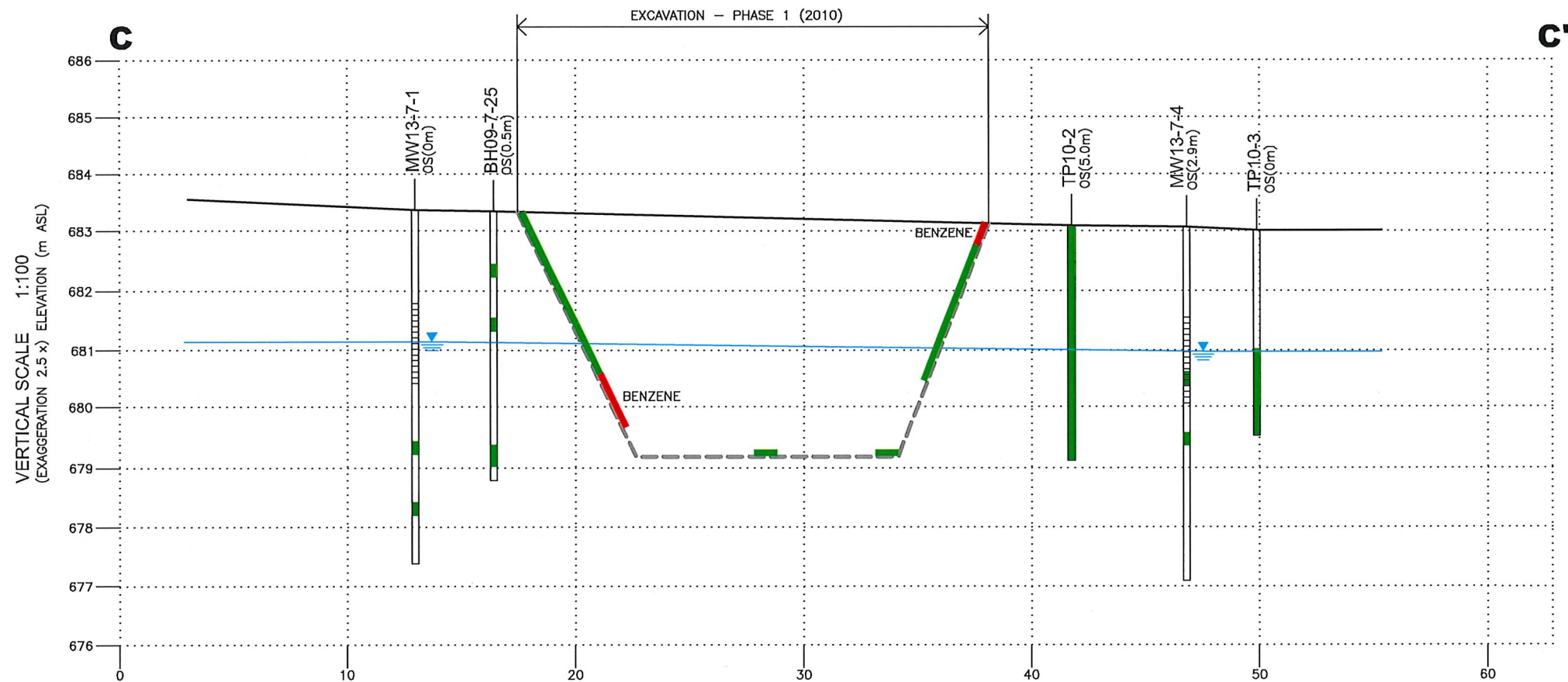
CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT

TITLE: **PROPOSED EXCAVATION - AEC 7**

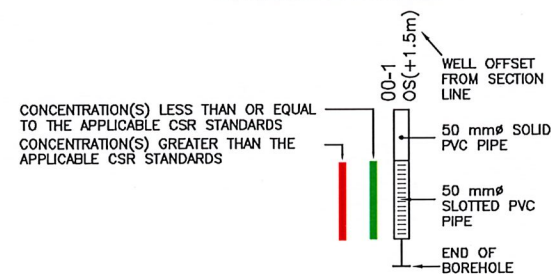
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PLOT: 20160915.1153 CADFILE: 640250-R1

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#### BOREHOLE LEGEND



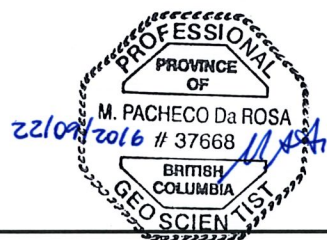
**C-C' SECTION**  
006  
HORIZONTAL SCALE  
1:250 (m)

#### LEGEND

- EXCAVATION LIMITS - PHASE 1 (2010)
- INFERRED GROUNDWATER LEVEL

#### NOTES

1. ORIGINAL DRAWING IN COLOUR.



#### REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
REVISIONS		
0	2016-09-01	ISSUED TO CLIENT
REV.	DATE	DESCRIPTION
BY	CHK	



CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT	
TITLE: <b>CROSS SECTION C-C' - AEC 7</b>			
DWN BY: PES	SCALE: 1:250H/1:100V	DATE: 2016—08—19	DWG No: REV.: <b>0</b>
CHK'D: MR	PLOT: 20160901.1043	CADFILE: 640250—R0	<b>640250-007</b>

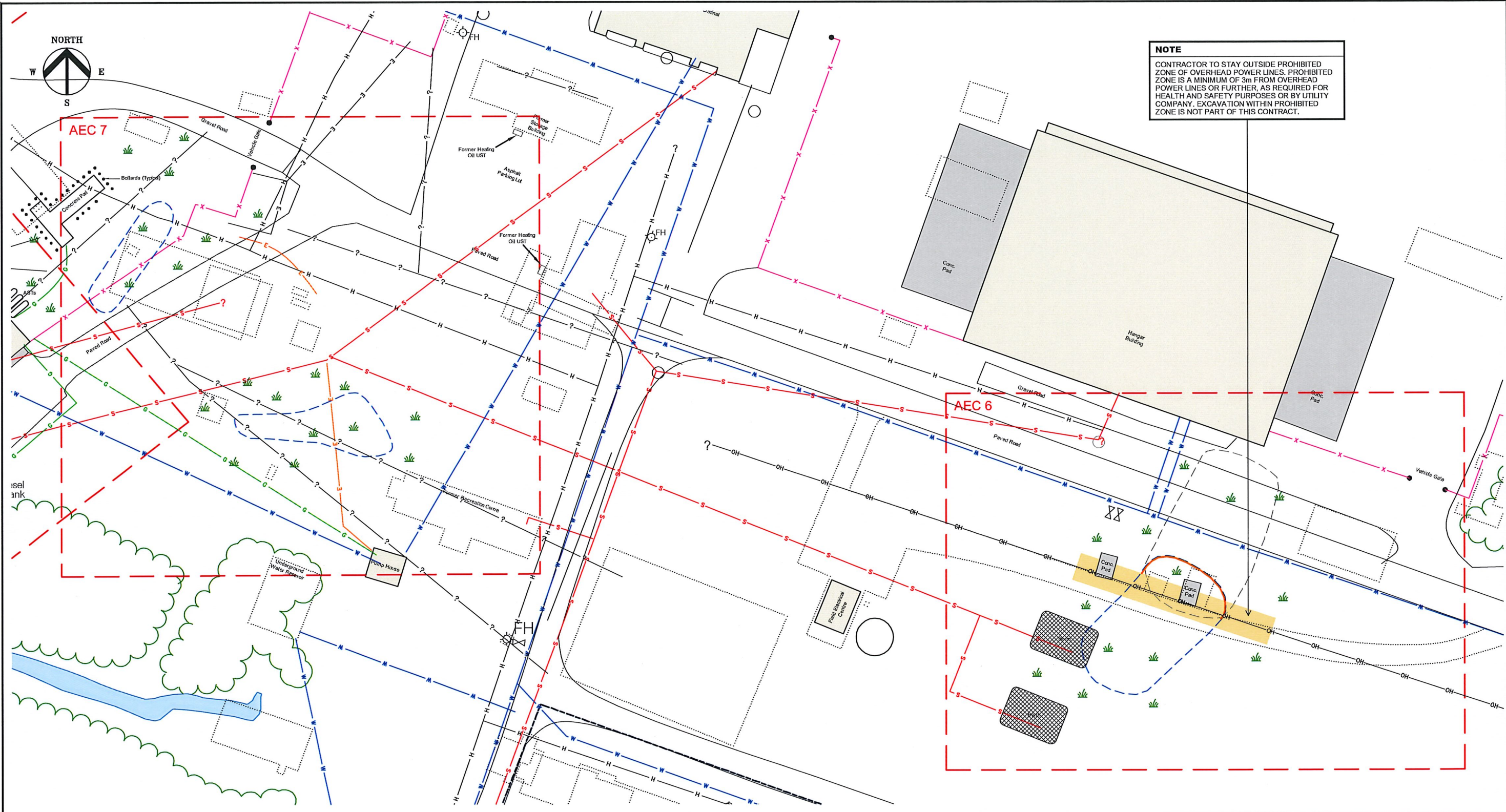












**NOTE**  
CONTRACTOR TO STAY OUTSIDE PROHIBITED ZONE OF OVERHEAD POWER LINES. PROHIBITED ZONE IS A MINIMUM OF 3m FROM OVERHEAD POWER LINES OR FURTHER, AS REQUIRED FOR HEALTH AND SAFETY PURPOSES OR BY UTILITY COMPANY. EXCAVATION WITHIN PROHIBITED ZONE IS NOT PART OF THIS CONTRACT.

**LEGEND**

	AREA OF ENVIRONMENTAL CONCERN (AEC)
	FOREST (TREE LINE)
	FORMER STRUCTURE
	WATER LINE
	GAS LINE
	SANITARY LINE
	ELECTRICAL LINE
	TELEPHONE LINE
	UNKNOWN LINE
	HYDRO LINE
	STORM LINE
	OVERHEAD POWER LINE
	CONTAMINATED MATERIAL EXTENT (BASE WORK A)
	CONTAMINATED MATERIAL EXTENT (OPTIONAL WORK B)
	GEOMEMBRANE CURTAIN - SUPPLIED BY PWGSC, TO BE INSTALLED BY CONTRACTOR
	SEPTIC FIELD
	GRASS-COVERED AREA

**NOTES**

1. ORIGINAL DRAWING IN COLOUR.  
2. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED PRIOR TO CONSTRUCTION WORK. NOT ALL UTILITIES MAY BE SHOWN. ALL LOCATIONS ARE INFERRED BASED ON ELECTROMAGNETIC LOCATING EQUIPMENT. CONTRACTOR MUST CONFIRM ACTUAL LOCATION AND DEPTH.

**REFERENCE DRAWINGS**

DWG. NO.	DATE	DESCRIPTION
0	2016-09-01	ISSUED TO CLIENT

**REVISIONS**

REV.	DATE	DESCRIPTION	BY	CHK
0	2016-09-01	ISSUED TO CLIENT	PES	MR

**SNC • LAVALIN**

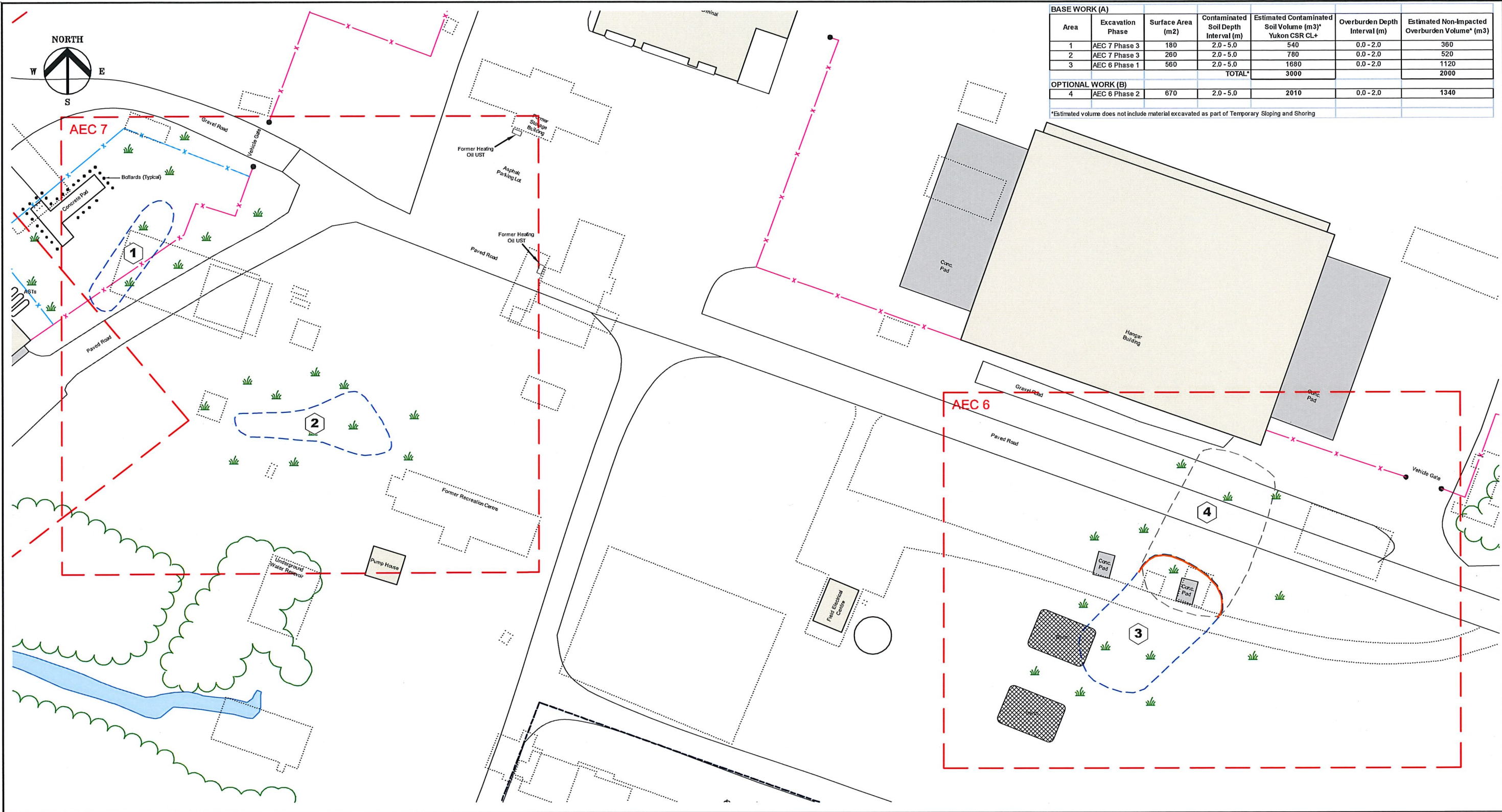
CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT

TITLE: **APPROXIMATE UTILITY LOCATES - AEC 6 & 7**

DWN BY: PES  
SCALE: 1:800  
DATE: 2016-08-17  
DWG No: 640250-010  
REV.: 0

PROFESSIONAL  
PROVINCE OF  
M. PACHECO Da ROSA  
22/09/2016 # 37668  
BRITISH COLUMBIA  
GEO SCIENTIST





BASE WORK (A)						
Area	Excavation Phase	Surface Area (m2)	Contaminated Soil Depth Interval (m)	Estimated Contaminated Soil Volume (m3)* Yukon CSR CL+	Overburden Depth Interval (m)	Estimated Non-Impacted Overburden Volume* (m3)
1	AEC 7 Phase 3	180	2.0 - 5.0	540	0.0 - 2.0	360
2	AEC 7 Phase 3	260	2.0 - 5.0	780	0.0 - 2.0	520
3	AEC 6 Phase 1	560	2.0 - 5.0	1680	0.0 - 2.0	1120
TOTAL*				3000		2000
OPTIONAL WORK (B)						
4	AEC 6 Phase 2	670	2.0 - 5.0	2010	0.0 - 2.0	1340

\*Estimated volume does not include material excavated as part of Temporary Sloping and Shoring

**LEGEND**

AREA OF ENVIRONMENTAL CONCERN (AEC)

FOREST (TREE LINE)

FORMER STRUCTURE

TEMPORARY FENCE RELOCATION

CURRENT FENCE

CONTAMINATED MATERIAL EXTENT (BASE WORK A)

CONTAMINATED MATERIAL EXTENT (OPTIONAL WORK B)

GEOMEMBRANE CURTAIN - SUPPLIED BY PWGSC/TC, INSTALLED BY CONTRACTOR

SEPTIC FIELD

GRASS-COVERED AREA

NOTE:

1. COMPACT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.

2. PAVING TO BE INCLUDED AS PART OF OPTIONAL WORK. REINSTATEMENT AND PAVING OF ACCESS ROAD MUST, AT A MINIMUM, MEET THE YUKON AVIATION BRANCH SPECIFICATIONS

3. FENCE TO BE REINSTATED AS PART OF BASE WORK.

**NOTES**

1. ORIGINAL DRAWING IN COLOUR.

**REFERENCE DRAWINGS**

DWG. NO.	DATE	DESCRIPTION
0	2016-09-01	ISSUED TO CLIENT

REV.	DATE	DESCRIPTION	BY	CHK
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CLIENT NAME: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

PROJECT LOCATION: WATSON LAKE AIRPORT YUKON, YT

TITLE: **ESTIMATED EXCAVATION VOLUMES - AEC 6 & 7**

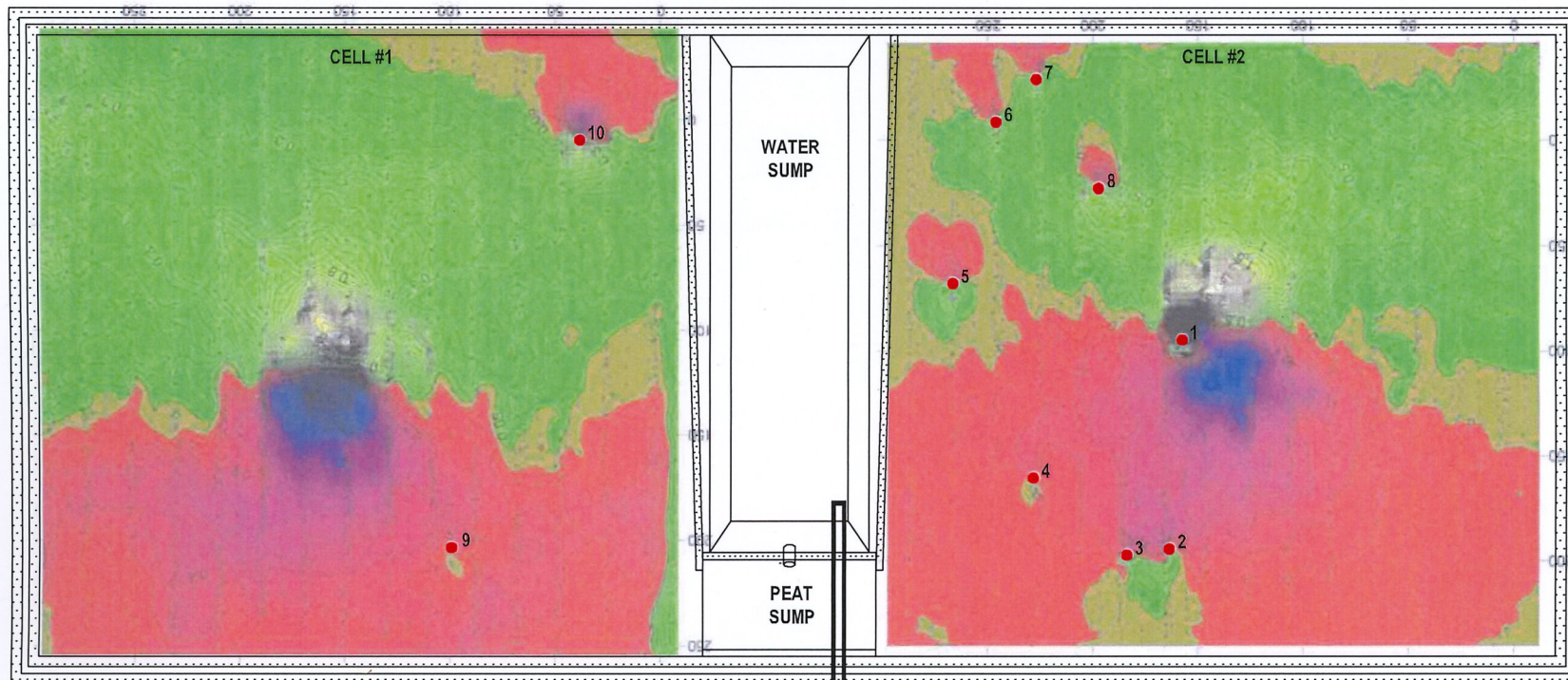
DWN BY: PES	SCALE: 1:800	DATE: 2016-08-31	DWG No: 640250-011
CHK'D: MR	PLOT: 20160902.1042	CADFILE: 640250-R1	REV.: 0

PATH: P:\CURRENT PROJECTS\PWGSC\640250 WATSON LK AEC 6&7\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\640250-R1.DWG





LTF #4



SUMP WATER  
DISCHARGE AREA

Label	Northing	Easting
1	6665092.878	510339.125
2	6665068.352	510357.091
3	6665063.764	510352.962
4	6665063.784	510335.362
5	6665077.965	510308.366
6	6665099.978	510298.209
7	6665108.417	510298.764
8	6665102.057	510315.790
9	6665002.210	510277.096
10	6665059.487	510253.532

#### LEGEND



BERM (~60 SMALL-TO-MEDIUM  
GEOMEMBRANE PERFORATIONS ALONG  
THE BERM)



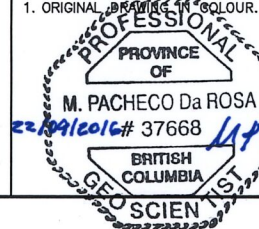
GEOMEMBRANE PERFORATIONS ON THE  
BASE OF CELLS 1 & 2

#### NOTE:

1. CONTRACTOR TO SUPPLY 30 mil GEOMEMBRANE FOR  
LINER REPAIR (SPECIFICATIONS ATTACHED).
2. CONTRACTOR TO SUPPLY EQUIPMENT AND PERSONNEL  
FOR SUMP WATER PUMP AND DISCHARGE.

#### NOTES

1. ORIGINAL DRAWING IN COLOUR.



#### REFERENCE DRAWINGS

FIGURE 3	MARCH 2011	FRANZ ENVIRONMENTAL INC.
DWG. NO.	DATE	DESCRIPTION

#### REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2016-09-01	ISSUED TO CLIENT	PES	MR
			BY	CHK



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CLIENT NAME:	Public Works and Government Services Canada	PROJECT LOCATION:	WATSON LAKE AIRPORT YUKON
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TITLE:  
**LTF #4 LINEAR REPAIR AND  
SUMP WATER MANAGEMENT**

DWN BY: PES	SCALE: 1:1,000	DATE: 2016-09-01	DWG No: 0
CHK'D: MR	PLOT: 20160902.1142	CADFILE: 640250-12	632502-012

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