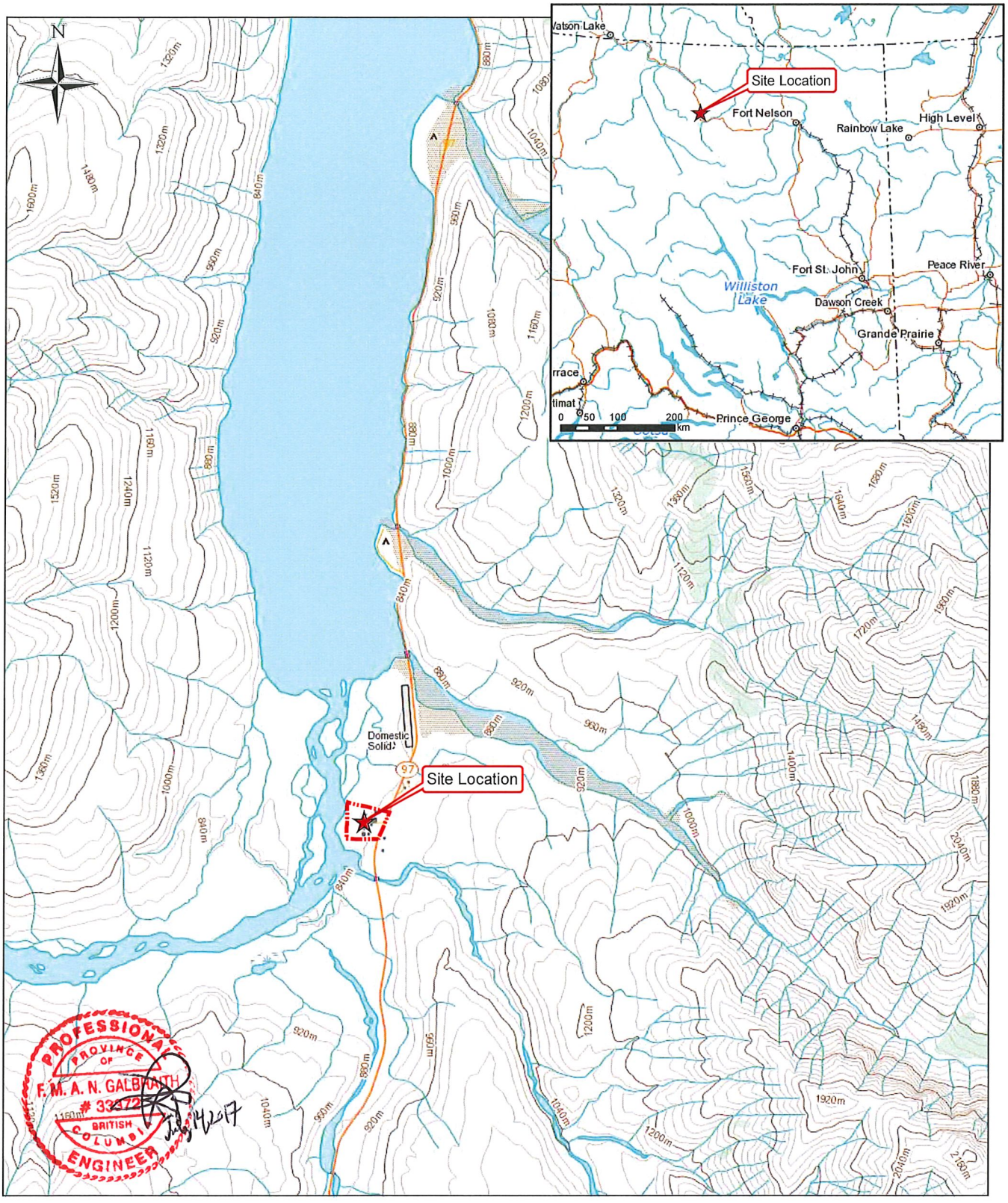
Drawings

Drawing No.	Drawing Title
801	Muncho Lake Maintenance Camp Site Location
804	Muncho Lake Maintenance Camp Site Plan
805	Muncho Lake Maintenance Camp ROI Injection Plan – Base Work
806	Muncho Lake Maintenance Camp First Pass Catalyst Injection Plan – Base Work
807	Muncho Lake Maintenance Camp First Pass Injection Plan – Base Work
808	Muncho Lake Maintenance Camp Borehole Plan – Post First Pass Injections – Base Work
809	Muncho Lake Maintenance Camp Second Pass Catalyst Injection Plan – Optional Work
810	Muncho Lake Maintenance Camp Second Pass Injection Plan – Optional Work
811	Muncho Lake Maintenance Camp Borehole Plan – Post Second Pass Injections – Optional Work
901	Fireside Maintenance Camp Site Location
902	Fireside Maintenance Camp Site Plan
903	Fireside Maintenance Camp ROI Injection Plan – Base Work
904	Fireside Maintenance Camp Injection Plan – Base Work
905	Fireside Maintenance Camp Borehole Plan – Base Work



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
33472

LEGEND

- Site Location
- Site Boundary

NOTES

1. Original in colour.
2. Numerical scale reflects full-size print. Print scaling will distort this scale, however scale bar will remain accurate.
3. Intended for illustration purposes, accuracy has not been verified for construction or navigation purposes.

SNC·LAVALIN

CLIENT NAME:	PROJECT LOCATION:
Public Works and Government Services Canada	Muncho Lake Alaska Highway, BC

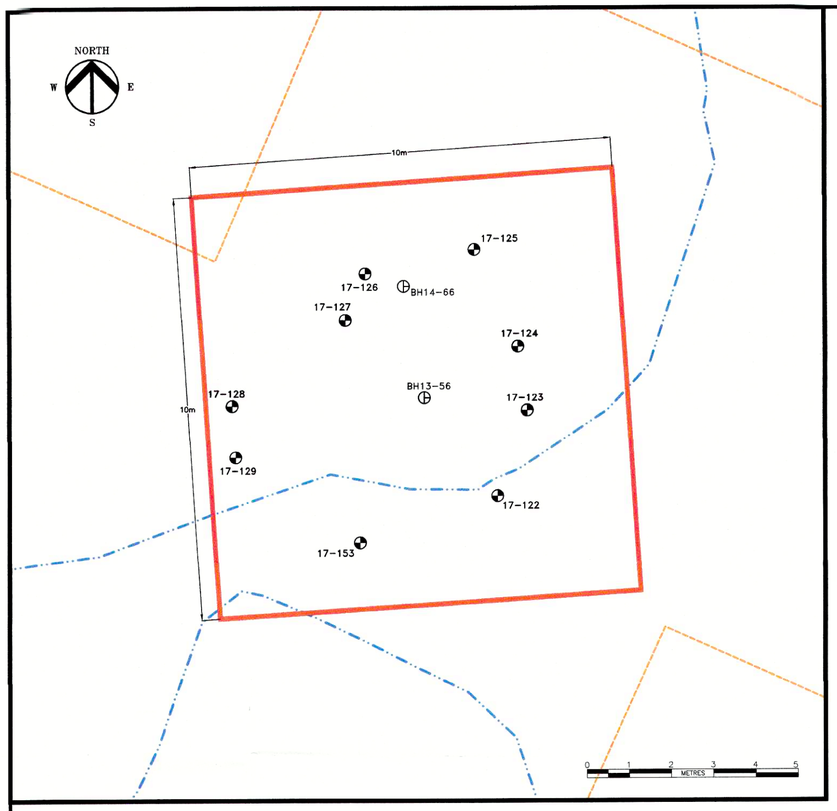
Muncho Lake Maintenance Camp Site Location

0 0.5 1 2 3 4 Kilometers

BY: PB	DATE: 2016-07-19	REF No:	REV: 0
CHK'D: MR	SCALE: 1:50,000	635031-801	

Project Path: P:\Current Projects\PWGSC\635031 Muncho Lake\

MXD Path: \\Proj_srv\projects\Current Projects\PWGSC\635031 Muncho Lake\4.0 Execution\4.5 GIS and Drawings\GIS\MapSeries\635031-001.mxd



TARGET AREA
1:100

BH13-56	Sample Depth	VPH	LEPH	HEPH
BH13-56-10-X22	7.2 – 7.5	<10	<20	<20
BH13-56-11-X22	9.3 – 9.6	120	8,700	920
BH13-56-12-X22	10.1 – 10.5	150	1,840	160
BH13-56-A-X22	DUPLICATE	200	5,220	560

BH14-66	Sample Depth	VPH	LEPH	HEPH
BH14-66-1	0.3 – 0.5	<10	<100	<100
BH14-66-2	0.8 – 0.9	<10	1,010	244
BH14-66-3	1.4 – 1.5	<10	190	<100
BH14-66-5	11.0 – 11.1	12	1,310	212
BH14-66-6	11.3 – 11.7	31	2,780	469
BH14-66-10	DUPLICATE	36	3,550	588
BH14-66-7	12.8 – 13.1	<10	156	<100

BH17-122	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-122-01	8.2 – 8.5	129	7,370	778	116	6,180	2,490	<20
BH17-122-02	9.4 – 9.8	–	–	–	20	1,510	671	<20
BH17-122-03	10.4 – 10.7	–	–	–	<10	124	72	<20

BH17-123	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-123-01	7.3 – 7.6	–	–	–	<10	1,980	861	<20
BH17-123-02	9.4 – 9.8	52	2,840	236	48	2,460	878	<20
BH17-123-03	DUPLICATE	–	–	–	38	2,430	863	<20
BH17-123-04	11.0 – 11.3	–	–	–	<10	78	41	<20
BH17-123-05	11.9 – 12.2	–	–	–	<10	<20	<20	<20

BH17-124	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-124-01	8.4 – 8.7	–	–	–	41	2,100	1,160	<20
BH17-124-02	9.4 – 9.6	–	–	–	24	2,650	1,570	<20
BH17-124-03	10.2 – 10.5	<10	703	112	<10	556	373	<20

BH17-125	Sample Depth	F1	F2	F3	F4
BH17-125-01	8.8 – 9.1	<10	233	164	<20
BH17-125-03	9.8 – 10.1	21	1,090	558	<20
BH17-125-04	10.4 – 10.7	<10	29	39	<20

BH17-126	Sample Depth	F1	F2	F3	F4
BH17-126-02	10.1 – 10.2	<10	210	138	<20
BH17-126-03	10.7 – 11.0	<10	26	32	<20

BH17-127	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-127-01	8.2 – 8.5	–	–	–	35	3,930	1,910	<20
BH17-127-02	9.1 – 9.3	–	–	–	<10	2,920	1,800	<20
BH17-127-03	9.8 – 9.9	74	435	38	67	364	150	<20
BH17-127-04	10.4 – 10.7	–	–	–	<10	<20	<20	<20

BH17-128	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-128-01	7.3 – 7.6	–	–	–	42	4,880	2,200	<20
BH17-128-02	9.4 – 9.8	80	2,720	212	72	2,260	778	<20
BH17-128-03	DUPLICATE	48	1,490	114	40	1,120	397	<20
BH17-128-04	11.0 – 11.3	–	–	–	<10	<20	<20	<20

BH17-129	Sample Depth	F1	F2	F3	F4
BH17-129-01	8.8 – 9.1	<10	7,320	3,250	<20
BH17-129-02	DUPLICATE	<10	6,760	3,010	<20
BH17-129-03	9.8 – 10.1	<10	252	119	<20
BH17-129-04	10.4 – 10.7	<10	56	55	<20

BH17-153	Sample Depth	VPH	LEPH	HEPH	F1	F2	F3	F4
BH17-153-01	7.3 – 7.6	–	–	–	<10	57	51	<20
BH17-153-02	9.4 – 9.8	77	2,050	229	70	1,670	811	<20
BH17-153-03	DUPLICATE	–	–	–	75	1,520	773	<20
BH17-153-04	11.0 – 11.3	–	–	–	<10	478	220	<20

LEGEND

- SUBJECT PROPERTY LIMITS
- LOT LINE
- ELECTRICAL LINE
- UNKNOWN UTILITY
- APPROXIMATE LIMITS OF 2003 EXCAVATION
- APPROXIMATE LIMITS OF 2004 EXCAVATION
- APPROXIMATE LIMITS OF 2016 EXCAVATION
- TREE LINE
- MONITORING WELL
- DESTROYED MONITORING WELL

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.
3. TO BE PRINTED ON A 43"x36" SHEET SIZE. IF PRINTED ON A DIFFERENT SIZE SHEET, SCALE NUMBER WILL BE WRONG BUT SCALE BAR WILL REMAIN ACCURATE.

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
1	2017-07-17	ISSUED TO CLIENT	PRT	FG
0	2017-06-29	ISSUED AS DRAFT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, BC

TITLE: **MUNCHO LAKE MAINTENANCE CAMP SITE PLAN**

DWN BY: PRT | SCALE: 1:500 | DATE: 2017-07-06 | DWG No: 635031-804 | REV.: 1

CHK'D: FG | PLOT: 20170717.1357 | CADFILE: 635031R18_800

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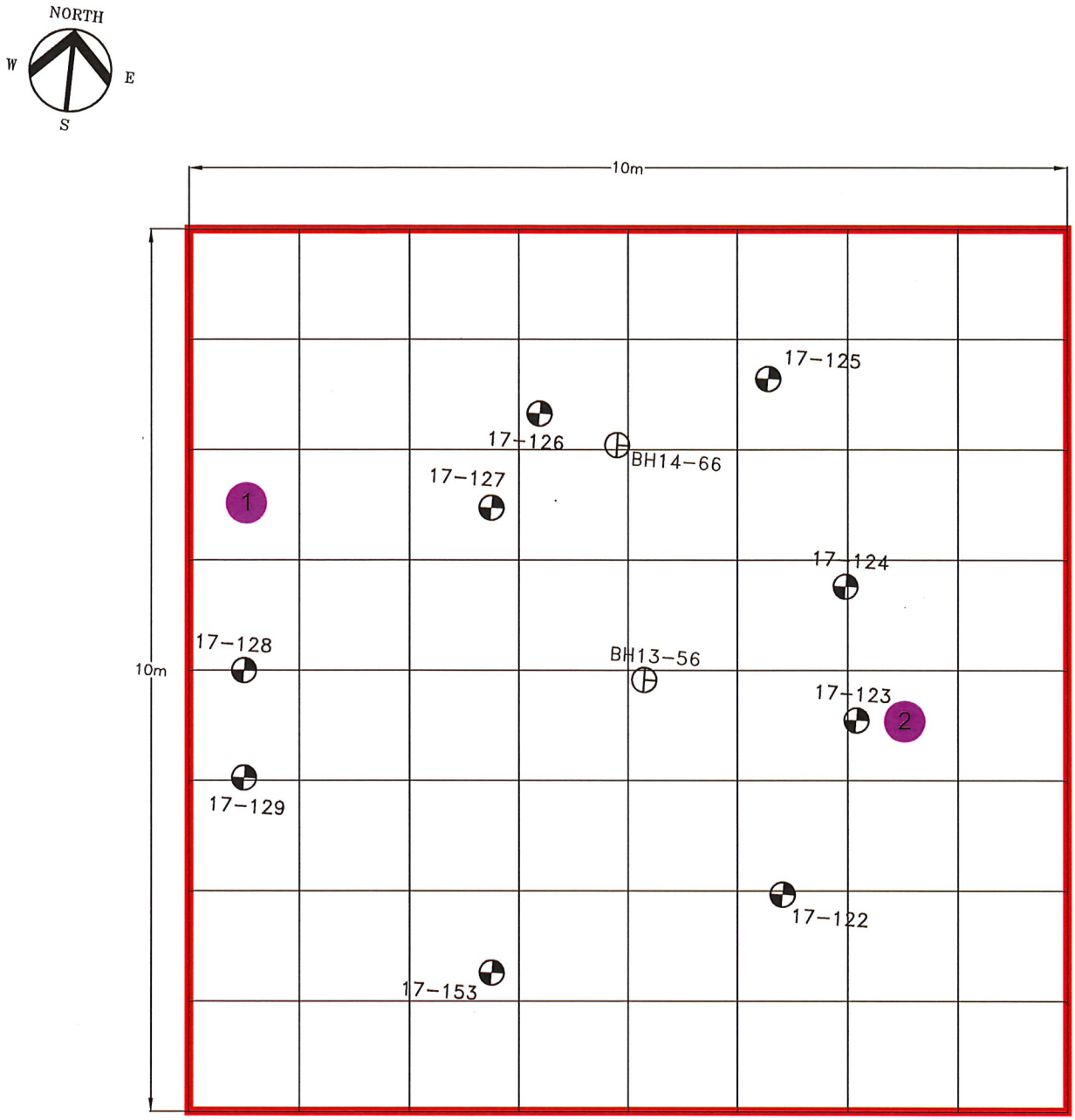

CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. AT INJECTION LOCATION 1, INJECT 13,500 L OF 17.5% HYDROGEN PEROXIDE AT A FLOW RATE OF 15 L/MINUTE AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
4. AT INJECTION LOCATION 2, INJECT 13,500 L OF 17.5% HYDROGEN PEROXIDE AT A FLOW RATE OF 15 L/MINUTE AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F.M.A.N. GALBRAITH
#33372
July 17, 2017

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- ROI INJECTION LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
1	2017-07-17	ISSUED TO CLIENT	PRT	FG
0	2017-07-06	ISSUED AS DRAFT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP ROI INJECTION PLAN - BASE WORK**

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No: 635031-805 REV.: 1
CHK'D: FG	PLOT: 20170717.1358	CADFILE: 635031R18_800	

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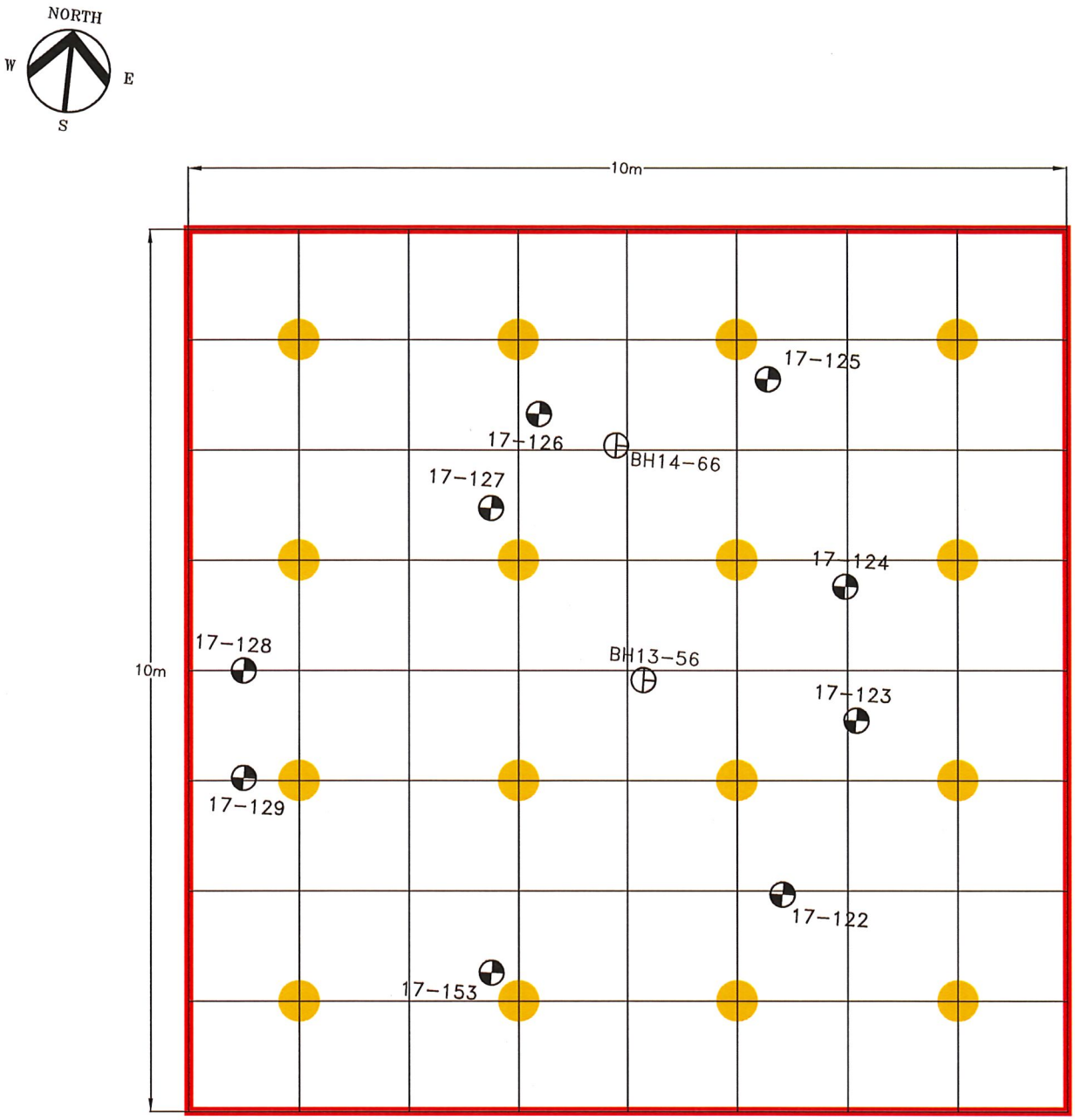

CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE 16 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. INJECT A TOTAL OF 10,500 L OF 7.7% SOLUTION OF CATALYST (656 L/LOCATION) AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE. 10,500 L OF 7.7% CATALYST SOLUTION REQUIRES 3,750kgs OF A 22% CATALYST SOLUTION.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
July 17, 2017

LEGEND

0 0.5 1 METRES 2

- ROI MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- CATALYST INJECTION LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP FIRST PASS CATALYST INJECTION PLAN - BASE WORK**

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No:	REV.: 0
CHK'D: FG	PLOT: 20170717.1358	CADFILE: 635031R18_800	635031-806	

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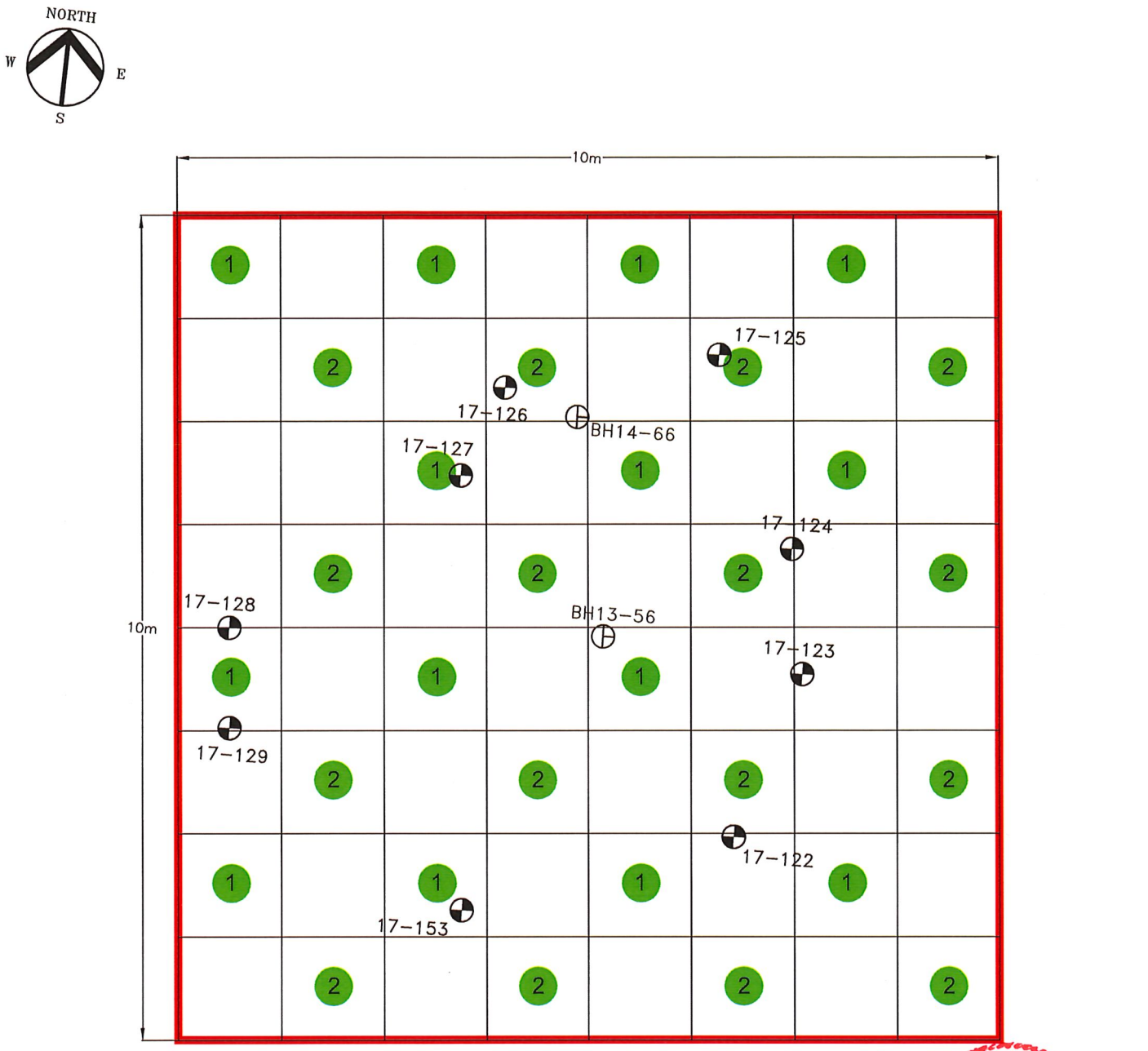

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
32872
July 17, 2017

CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. INJECTION LOCATIONS SHALL BE COMPLETED IN THE NUMERICAL ORDER INDICATED.
3. ADVANCE 57mm DIAMETER PROBE ROD AT THE 30 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
4. INJECT A TOTAL OF 173,000 L OF 17.5% HYDROGEN PEROXIDE (5,766 L/LOCATION) AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
5. THE CONTRACTOR SHALL HAVE PROVISIONS FOR DILUTION OF 17.5% HYDROGEN PEROXIDE TO A CONCENTRATION OF 5%, OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE, FOR SUBSEQUENT INJECTION.

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- 1 FIRST INJECTION LOCATIONS
- 2 SECOND INJECTION LOCATIONS

INJECTION POINT SPACING 1.25m
FINAL DENSITY 0.64 POINTS/m²

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP**
FIRST PASS INJECTION PLAN - BASE WORK

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No: 635031-807 REV.: 0
CHK'D: FG	PLOT: 20170717.1359	CADFILE: 635031R18_800	

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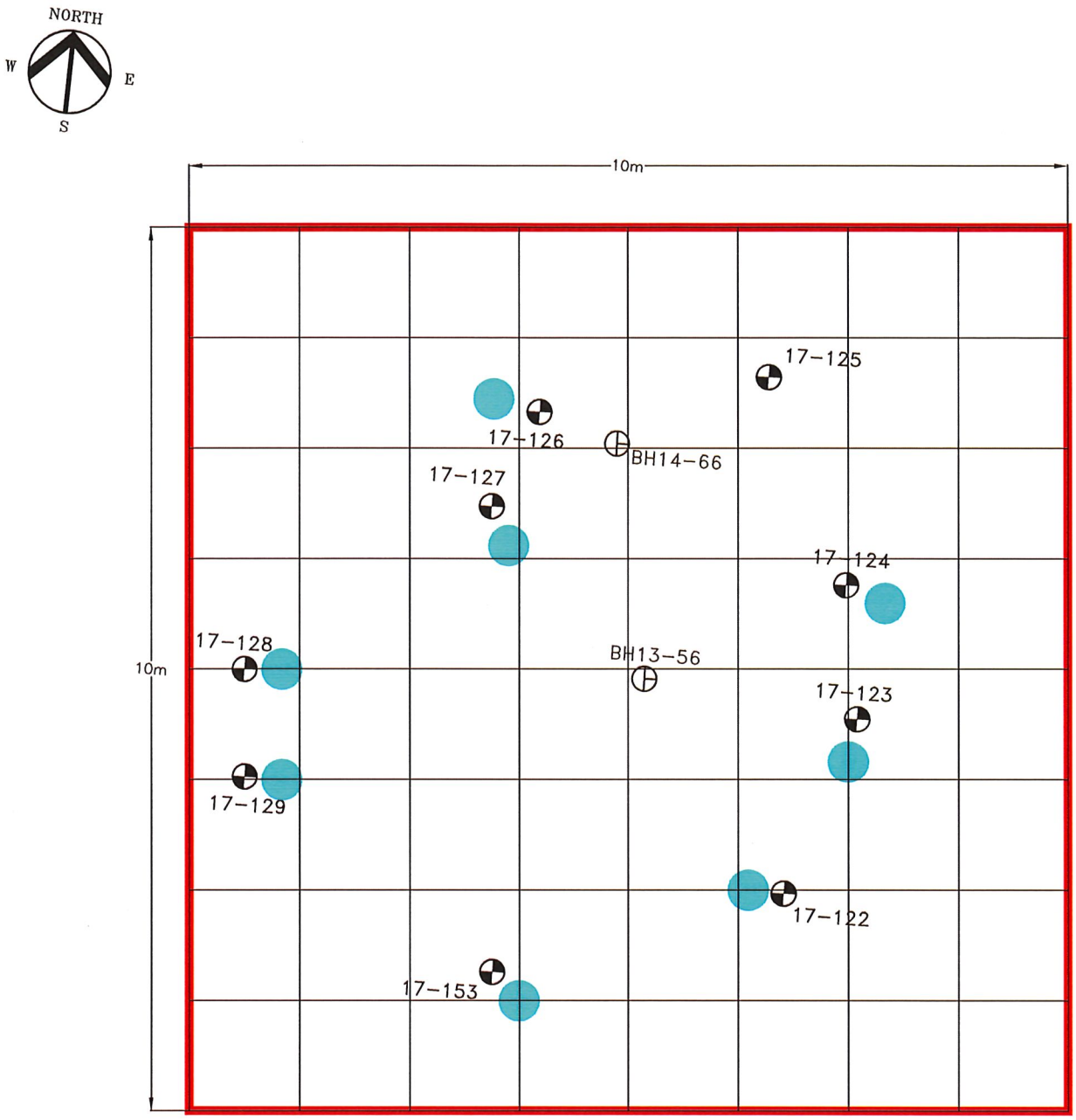

CONSTRUCTION NOTES:

1. BOREHOLE LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL BOREHOLE LOCATIONS ON SITE.
2. ADVANCE 8 BOREHOLES TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. RETRIEVE SOIL CORES WITH A MINIMUM DIAMETER OF 42mm FROM A DEPTH OF 8m TO 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F.M.A.N. GALBRAITH
33872
Jul 17, 2017

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- FIRST PASS SOIL SAMPLING LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP BOREHOLE PLAN - POST FIRST PASS INJECTIONS - BASE WORK**

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No: 635031-808 REV.: 0
CHK'D: FG	PLOT: 20170717.1400	CADFILE: 635031R18_800	

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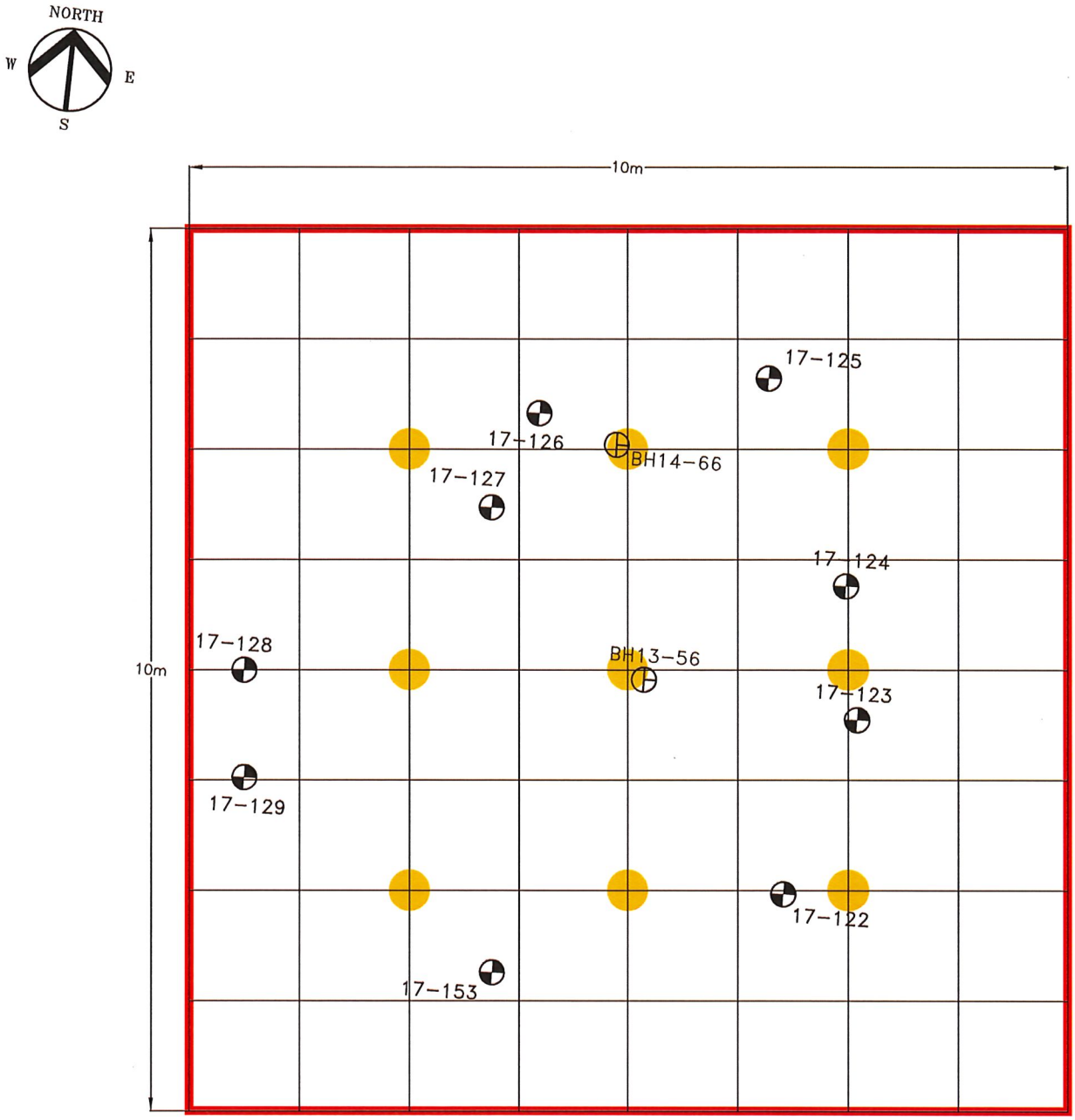

CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE 9 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. INJECT A TOTAL OF 10,500 L OF 7.7% SOLUTION OF CATALYST (1,166 L/LOCATION) AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE. 10,500 L OF 7.7% CATALYST SOLUTION REQUIRES 3,750kgs OF A 22% CATALYST SOLUTION.

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- CATALYST INJECTION LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP SECOND PASS CATALYST INJECTION PLAN - OPTIONAL WORK**

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No:	REV.: 0
CHK'D: FG	PLOT: 20170717.1400	CADFILE: 635031R18_800	635031-809	

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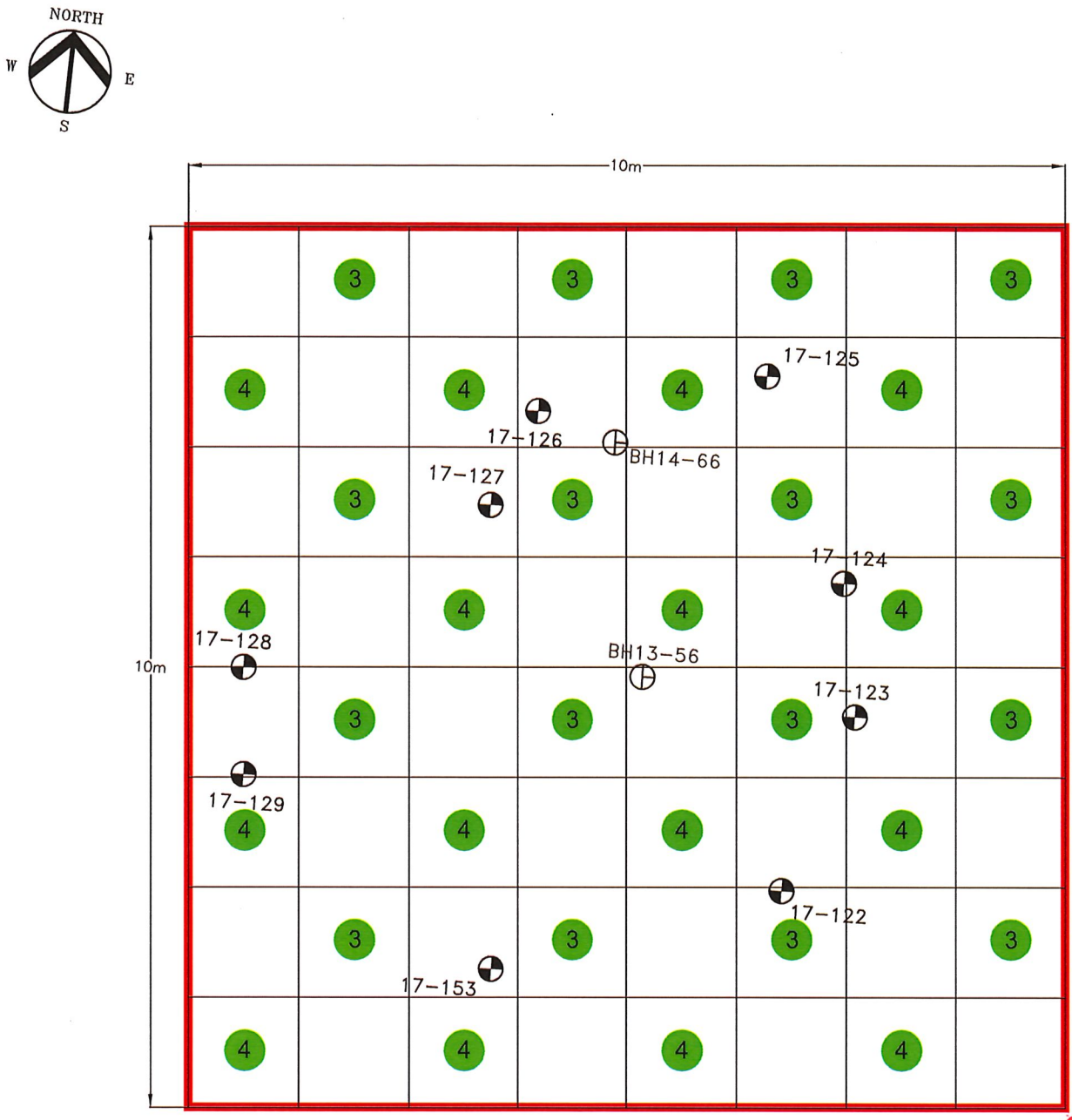

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F.M. A. N. GALBRAITH
37372
July 17, 2017

CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. INJECTION LOCATIONS SHALL BE COMPLETED IN THE NUMERICAL ORDER INDICATED.
3. ADVANCE 57mm DIAMETER PROBE ROD AT THE 32 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
4. INJECT A TOTAL OF 200,000 L OF 17.5% HYDROGEN PEROXIDE (6,250 L/LOCATION) AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
5. THE CONTRACTOR SHALL HAVE PROVISIONS FOR DILUTION OF 17.5% HYDROGEN PEROXIDE TO A CONCENTRATION OF 5%, OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE, FOR SUBSEQUENT INJECTION.

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- 3 THIRD INJECTION LOCATIONS
- 4 FOURTH INJECTION LOCATIONS

INJECTION POINT SPACING 1.25m
FINAL DENSITY 0.64 POINTS/m²

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE:
MUNCHO LAKE MAINTENANCE CAMP
SECOND PASS INJECTION PLAN - OPTIONAL WORK

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No: 635031-810 REV.: 0
CHK'D: FG	PLOT: 20170717.1401	CADFILE: 635031R18_800	

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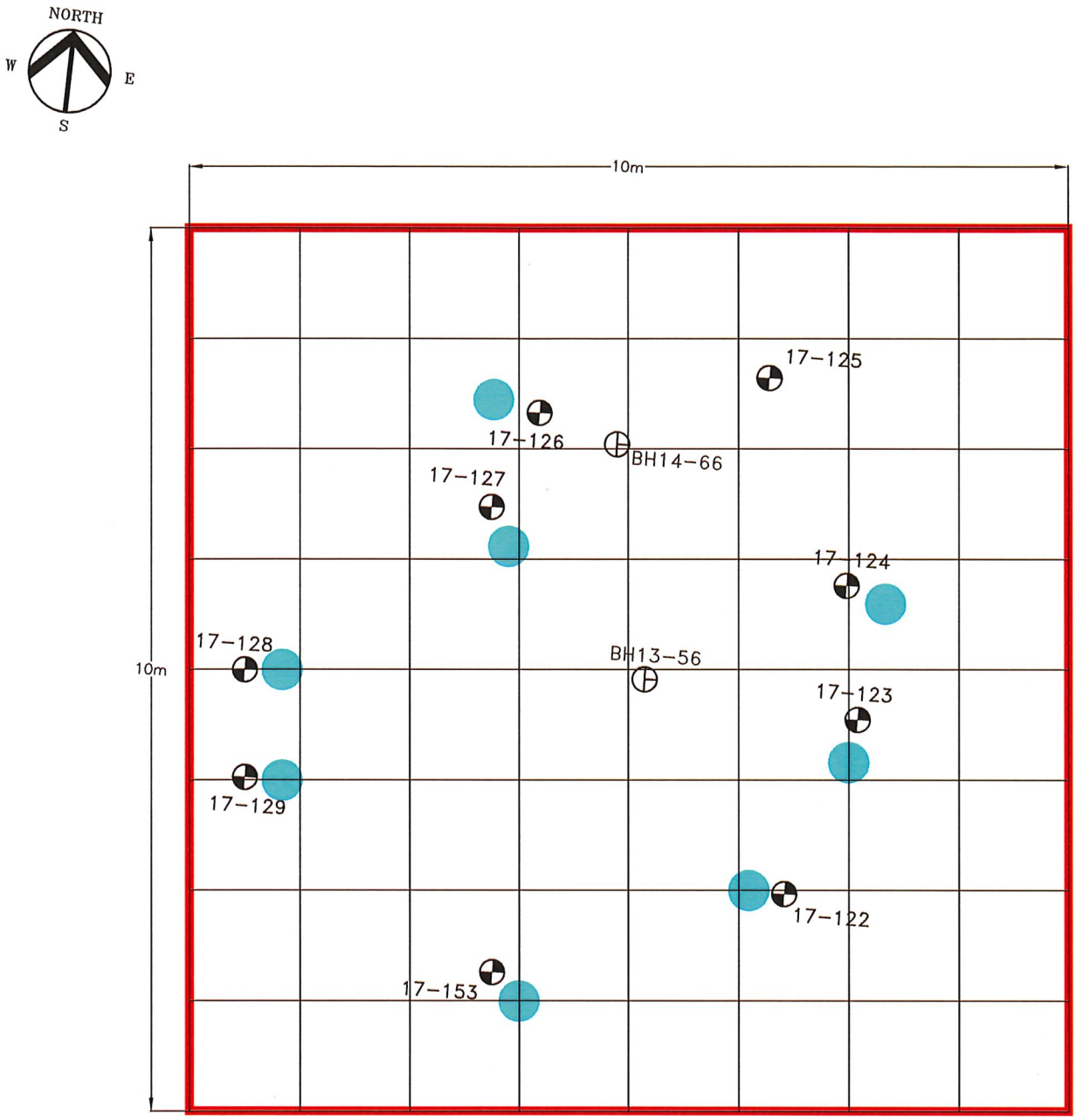

CONSTRUCTION NOTES:

1. BOREHOLE LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL BOREHOLE LOCATIONS ON SITE.
2. ADVANCE 8 BOREHOLES TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. RETRIEVE SOIL CORES WITH A MINIMUM DIAMETER OF 42mm FROM A DEPTH OF 8m TO 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
33372
July 6, 2017

LEGEND

0 0.5 1 METRES 2

- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- SECOND PASS SOIL SAMPLING LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: MUNCHO LAKE ALASKA HIGHWAY, B.C.

TITLE: **MUNCHO LAKE MAINTENANCE CAMP BOREHOLE PLAN - POST SECOND PASS INJECTIONS - OPTIONAL WORK**

DWN BY: PRT	SCALE: 1:75	DATE: 2017-06-29	DWG No: 635031-811 REV.: 0
CHK'D: FG	PLOT: 20170717.1402	CADFILE: 635031R18_800	

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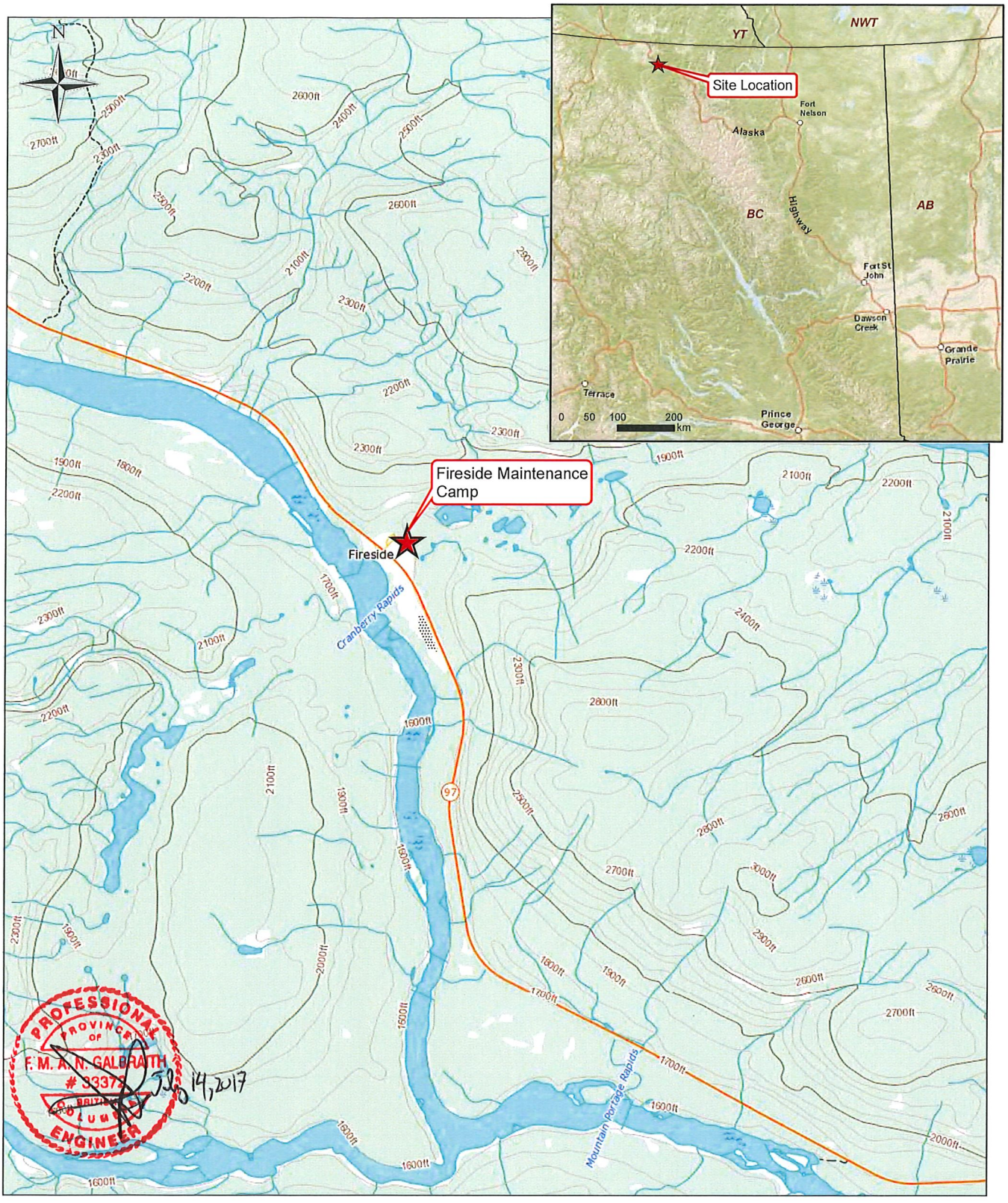

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
33372
Feb 14, 2017

LEGEND

★ Site Location

NOTES

1. Original in colour.
2. Numerical scale reflects full-size print. Print scaling will distort this scale, however scale bar will remain accurate.
3. Intended for illustration purposes, accuracy has not been verified for construction or navigation purposes.

SNC·LAVALIN

CLIENT NAME:	PROJECT LOCATION:
Public Services and Procurement Canada	Fireside Maintenance Camp Alaska Highway, BC

Fireside Maintenance Camp Site Location

0 0.5 1 2 3 4 Kilometers

BY: PB	DATE: 2017-03-03	REF No: 636200-901
CHK'D: CS	SCALE: 1:50,000	REV: 0

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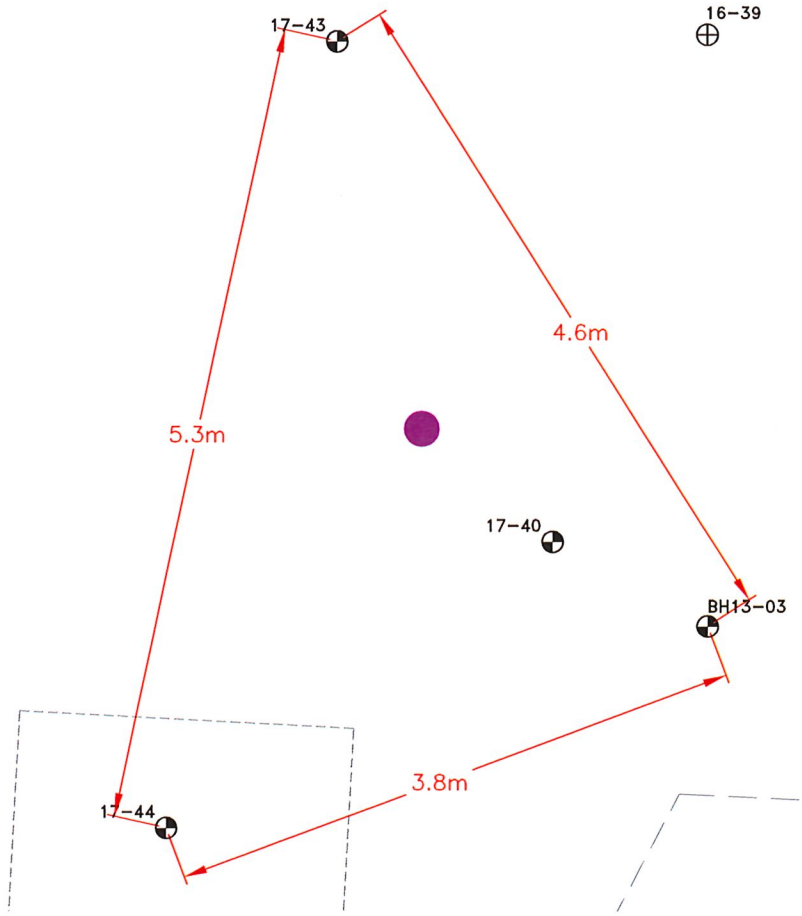

CONSTRUCTION NOTES:

1. INJECTION LOCATION SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATION ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE INJECTION LOCATION TO A DEPTH OF 31m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. INJECT 9,200 L OF 17.5% HYDROGEN PEROXIDE AT A FLOW RATE OF 15 L/MINUTE AT A DEPTH OF 31m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

LEGEND

0 0.5 1 METRES

- MONITORING WELL
- BOREHOLE
- ROI INJECTION LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: FIRESIDE MAINTENANCE CAMP ALASKA HIGHWAY, B.C.

TITLE: **FIRESIDE MAINTENANCE CAMP**
ROI INJECTION PLAN - BASE WORK

DWN BY: PRT	SCALE: 1:50	DATE: 2017-07-10	DWG No: 635031-903 REV.: 0
CHK'D: FG	PLOT: 20170717.1420	CADFILE: 636200-900	

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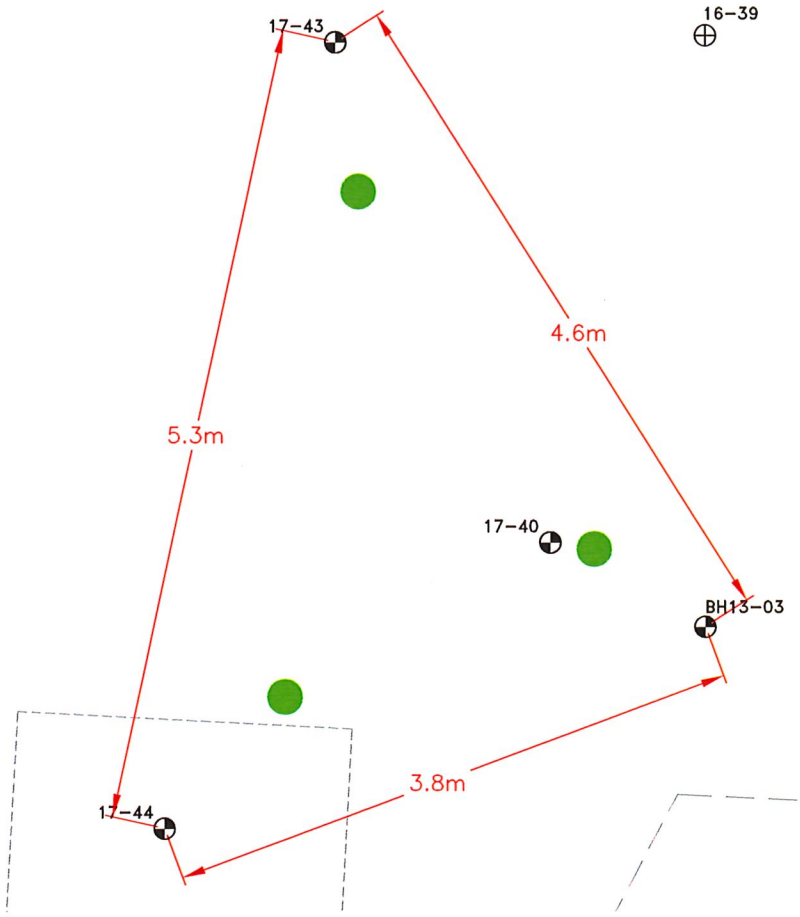

CONSTRUCTION NOTES:

1. INJECTION LOCATION SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE INJECTION LOCATION TO A DEPTH OF 31m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. INJECT A TOTAL OF 55,000 L OF 17.5% HYDROGEN PEROXIDE (18,333 L/LOCATION) AT A DEPTH OF 31m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F.M.A. N. GALBRAITH
33372
17/7/2017

LEGEND

0 0.5 1 METRES

- MONITORING WELL
- BOREHOLE
- INJECTION LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: FIRESIDE MAINTENANCE CAMP ALASKA HIGHWAY, B.C.

TITLE: **FIRESIDE MAINTENANCE CAMP INJECTION PLAN - BASE WORK**

DWN BY: PRT	SCALE: 1:50	DATE: 2017-07-10	DWG No: 635031-904 REV.: 0
CHK'D: FG	PLOT: 20170717.1420	CADFILE: 636200-900	

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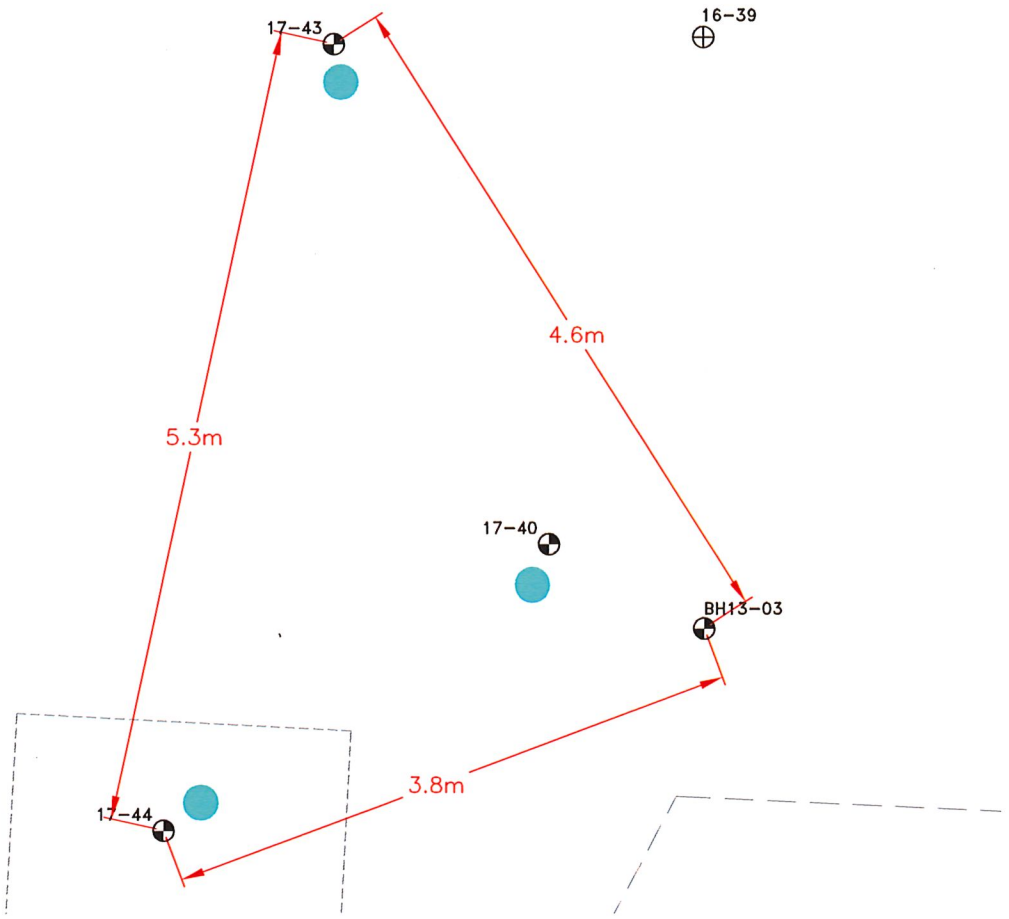

CONSTRUCTION NOTES:

1. BOREHOLE LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL BOREHOLE LOCATIONS ON SITE.
2. ADVANCE 3 BOREHOLES TO A DEPTH OF 32m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. RETRIEVE SOIL CORES WITH A MINIMUM DIAMETER OF 42mm FROM A DEPTH OF 28m TO 32m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
F. M. A. N. GALBRAITH
33372
July 17 2017

LEGEND

0 0.5 1 METRES

- MONITORING WELL
- BOREHOLE
- BOREHOLE LOCATION

REFERENCE DRAWINGS

DWG. NO.	DATE	DESCRIPTION
–	–	–

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	2017-07-17	ISSUED TO CLIENT	PRT	FG

SNC·LAVALIN

CLIENT NAME: PUBLIC SERVICES AND PROCUREMENT CANADA

PROJECT LOCATION: FIRESIDE MAINTENANCE CAMP ALASKA HIGHWAY, B.C.

TITLE:

FIRESIDE MAINTENANCE CAMP
BOREHOLE PLAN - BASE WORK

DWN BY: PRT	SCALE: 1:50	DATE: 2017-07-10	DWG No: 635031-905	REV.: 0
CHK'D: FG	PLOT: 20170717.1421	CADFILE: 636200-900		

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