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Bid Receiving Public Works and Government
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Canada
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada -
Pacific Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Sikanni Remediation & Relocation	
Solicitation No. - N° de l'invitation EZ897-170083/A	Amendment No. - N° modif. 007
Client Reference No. - N° de référence du client	Date 2016-06-13
GETS Reference No. - N° de référence de SEAG PW-\$PWY-019-7791	
File No. - N° de dossier PWY-6-39018 (019)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-06-17	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ngan, Ken (PWY)	Buyer Id - Id de l'acheteur pwy019
Telephone No. - N° de téléphone (604) 658-2755 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - Sikanni Maintenance Camp - km 254 Alaska Highway, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation
EZ897-170083/A
Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.
007
File No. - N° du dossier
pwy-6-39018

Buyer ID - Id de l'acheteur
pwy019
CCC No./N° CCC - FMS No/ N° VME

This Solicitation Amendment 007 is raised to incorporate Questions & Answers received, the Revised APPENDIX 1 – COMBINED PRICE FORM in the Invitation To Tender document, and Site Plan & Sieve Analysis Reports.

Q1.) In Appendix 2 – Qualifications Form, the structure demolition and building relocation experience for both the superintendent and project manager are lumped together on one form.

Can building relocation experience be separated out into a separate form? This would address the scenario where the remediation project manager and superintendent also do the demolition work but not the building relocation.

A1.) No, the relocation experience will not be separated from the demolition experience. The requirements outlined in Solicitation Amendment 005 will not change.

Please find following the Revised APPENDIX 1 – COMBINED PRICE FORM.

This Revised APPENDIX 1 supersedes any previous versions of the Combined Price Form issued.

All other terms and conditions remain unchanged.

APPENDIX 1 – COMBINED PRICE FORM (REVISED) (5 pages)

- 1) The prices per unit shall govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

BASE WORK (A)						
Item	Specification Section(s)	Description of Work	Unit	Estimated Quantity	Unit Price (GST Extra)	Total Price (GST Extra)
1	01 33 00 01 35 43 02 61 00.01 31 23 33.01 A1010 D2030 G1020	Pre-Mobilization Submittals	Lump Sum	1		
2	31 23 33.01	Mobilization	Lump Sum	1		
3	31 23 33.01	Demobilization	Lump Sum	1		
4	31 23 33.01	Site Facilities Provision	Lump Sum	1		
5	31 23 33.01	Site Facilities Operation	Day	40		
6	31 23 33.01	Standby	Day	5		
7	01 56 00	Provision of Temporary Fencing	Lump Sum	1		
8	31 23 33.01	Site Preparation Including any clearing, grubbing, utility location and protection, and any grading of the gravel access road on site required to conduct the Work.	Lump Sum	1		
9	01 51 00	Provide for temporary power during construction for the Site User's facilities, including residential trailers.	Day	21		
10	01 35 29.14	Addressing Hazardous Building Materials Concerns Including, but not limited to, the following (see Specification Section for details): site inspection to inspect any asbestos-containing materials that may be impacted by the Contractor's work, abatement of asbestos-containing materials that may be impacted by Contractor's work, development and implementation of a lead-based paint control plan and safe work procedures, inspection and appropriate management of any light fixtures removed, and asbestos in air sampling inside the maintenance garage after building relocation and reinstatement.	Lump Sum	1		
11	G1020	AST Relocation Including relocation of the 35,000L diesel AST, 55,000 litre bitumen AST #8, and 2,500 litre waste oil AST #5, and two 1,900 litre propane tanks.	Lump Sum	1		
12	A1010 A1030 B1010 G1020 D2030	Maintenance Garage and AST Area Relocation Including, but not limited to the following (see Specification Sections for details): Design-build plan, concrete foundation, oil water separator, drainage and associated piping, maintenance garage move, deconstruction and off-site disposal of existing mezzanine, construction of new mezzanine inside building at new location, materials and material disposal other than concrete.	Lump Sum	1		
13	G1020	Off-Site Disposal of Maintenance Garage Reinforced Foundation (25m x 13m x 0.25m approx.)	Tonne	210		
14	01 11 00 C2012 G1020 Appendix D	Utility Relocation (Maintenance Garage) Including, but not limited to the following (see Specification Section(s) for details): utility disconnection, utility relocation, utility re-connection, poles and lines, lighting and wiring, materials, and any permits required.	Lump Sum	1		
15	01 52 00 31 23 33.01	Backfill Supply of Imported Backfill Material for the Garage and AST Relocation 10m Buffer Area, Grading, and Compaction Including, but not limited to the following (see Specification Sections for details): Procurement, loading, transport to the site, placement and	Tonnes	2000		

		compaction in lifts (as specified by the geotechnical engineer) backfill material to meet backfill compaction requirements. This cost must include transportation from the source pit to the backfill area. This cost must also include the equipment and time required to load the backfill material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.				
16	01 52 00 31 23 33.01	Backfilling With Screened Pit Run Backfill Material from Man and Beast Pit for the Garage and AST Relocation 10m Buffer Area, Grading and Compaction (including 30% compaction factor). Including, but not limited to the following (see Specification Sections for details): Screening with 38 mm screener, loading, transport placement and compaction in lifts (as specified by the geotechnical engineer) of pit-run sand and gravel from the PWGSC Man and Beast Pit located down a road to the east of km 258 of the Alaska Highway (a distance of approximately 17 km from the site). This cost must include round-trip transportation from the backfill area to the source pit and back. This cost must also include the equipment and time required to load the pit run material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.	m ³	1,400		
17	01 52 00 02 61 00.01 31 23 33.01	Backfilling With Screened Pit Run Backfill Material from the site for the Garage and AST Relocation 10m Buffer Area, within 500m of the excavation Grading and Compaction (including 30% compaction factor). Including, but not limited to the following (see Specification Sections for details): Screening with 38 mm screener, loading, transport placement and compaction in lifts (as specified by the geotechnical engineer) of pit-run sand and gravel from the site, within 500m of the excavation. This cost must also include the equipment and time required to load the pit run material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.	m ³	5,800		
18	01 52 00	Grading and any necessary maintenance of the gravel access road from km 258 to the Man and Beast Pit prior to start of Work, after completion of Work, and any other times necessary to maintain the road in useable condition.	Lump Sum	1		
19	01 52 00 02 61 00.01 31 23 33.01	Provision of Screener required for screening backfill with 38 mm screener at both the Man & Beast pit and from the site, within 500m of the Garage and AST Relocation and 10m Buffer Area. Includes mobilization/ demobilization to and from site, within 500m of the Garage and AST Relocation and 10m Buffer Area and Man and Beast Pit.	Lump Sum	1		
20	31 23 33.01	Site Closure Including, but not limited to the following (see Specification Section(s) for details): site cleanup and final site inspection.	Lump Sum	1		
21	01 33 00 31 23 33.01	Close Out Submittals and As-Built Documents	Lump Sum	1		
BASE WORK (A): TOTAL EXTENDED AMOUNT Excluding applicable tax(es)						

OPTIONAL WORK (B)						
Item	Specification Section(s)	Description of Work	Unit	Estimated Quantity	Unit Price (GST Extra)	Total Price (GST Extra)
1	01 33 00 01 35 43 02 61 00.01 31 23 33.01 A1010 D2030 G1020	Pre-Mobilization Submittals	Lump Sum	1		
2	31 23 33.01	Mobilization	Lump Sum	1		
3	31 23 33.01	Demobilization	Lump Sum	1		
4	31 23 33.01	Site Facilities Provision	Lump Sum	1		
5	31 23 33.01	Site Facilities Operation	Day	40		
6	31 23 33.01	Standby	Day	5		
7	01 56 00	Provision of Temporary Fencing	Lump Sum	1		
8	31 23 33.01	Site Preparation Including any clearing, grubbing, utility location and protection, and any grading of the gravel access road on site required to conduct the Work.	Lump Sum	1		
9	02 61 00.01 31 23 33.01	Biocell Preparation Including, but not limited to, the following (see Specification Section for details): placement of plywood above sand layer, means to restrict access, signage and repair of liner including 5 x 1m ² welded patches.	Lump Sum	1		
10	01 52 00	Grading and any necessary maintenance of the gravel access road from km 258 to the Man and Beast Pit prior to start of Work, after completion of Work, and any other times necessary to maintain the road in useable condition.	Lump Sum	1		
11	01 35 13.43 02 61 00.01 31 23 33.01	Dewatering Equipment and Water Treatment Facility Provision The treatment system must consist of a minimum of two water storage tanks (approximately 30,000 L) and capable of treating liquid/solid mixtures while not causing delay to dewatering operations.	Lump Sum	1		
12	01 35 13.43 02 61 00.01 31 23 33.01	Water Treatment Facility Operation Including, but not limited to the following (see Specification Sections for details): dewatering, treating of screened overs wash water, and operation, maintenance of the system, and analytical testing to confirm treatment/discharge requirements are met.	Day	25		
13	01 35 13.43	Non-Aqueous Phase Liquid (NAPL) Disposal Including, but not limited to the following (see Specification Sections for details): collection and drummed (205 L closed-lid drum) for offsite disposal.	Drum	2		
14	01 52 00 01 56 00 02 61 00.01 31 23 33.01	Soil Excavation and Screening (including a 30% bulking factor) Including, but not limited to the following (see Specification Sections for details): Excavation of hydrocarbon-impacted soil, screening with a 19mm (3/4") screen, transport of screened material to the Biocell for placement, stockpiling of screened 19mm (3/4") overs, washing of screened overs, capture and treatment of wash water. Includes excavator time and trucking cost, assisting with collection of confirmatory soil samples where necessary and appropriate time to manage soil inside Biocell and at the screening area. Contractors will not be paid for standby time associated analytical turn around time (TAT). Analytical TAT includes 4 days for collection, shipping and tabulation of data and an additional 3 work days (Monday-Friday, excluding statutory holidays) for laboratory analysis. This includes all equipment, manpower and material necessary to support and/or work around all above and underground existing utilities. This cost will include any geotechnical engineering cost.	m ³	1,800		

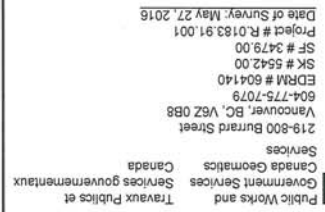


15	01 52 00 01 56 00 02 61 00.01 31 23 33.01	Soil Excavation (no screening) (including a 30% bulking factor). Including, but not limited to the following (see Specification Sections for details): Excavation of hydrocarbon-impacted soil (no screening) and transport to the Biocell for placement. Includes excavator time and trucking cost, assisting with collection of confirmatory soil samples where necessary and appropriate time to manage soil inside Biocell. Contractors will not be paid for standby time associated with analytical TAT. Analytical TAT includes 4 days for collection, shipping and tabulation of data and an additional 3 work days (Monday-Friday, excluding statutory holidays) for laboratory analysis. This includes all equipment, manpower and material necessary to support and/or work around all above and underground existing utilities. This cost will include any geotechnical engineering cost.	m ³	7,200		
16	02 61 00.01 31 23 33.01	Soil Excavation and Disposal – BC Hazardous Waste Regulation for Hydrocarbons Including, but not limited to the excavation, loading, transport, and offsite disposal of contaminated soil.	Tonnes	50		
17	01 52 00 31 23 33.01	Backfill Supply (for excavation) of Imported Backfill Material, Grading, and Compaction Including, but not limited to the following (see Specification Sections for details): Procurement, loading, transport to the site, placement and compaction in lifts (as specified by the geotechnical engineer) backfill material to meet backfill compaction requirements. This cost must include transportation from the source pit to the backfill area. This cost must also include the equipment and time required to load the backfill material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.	Tonnes	2000		
18	02 61 00.01 31 23 33.01	Backfilling of excavation with screened Overs Including, but not limited to the following (see Specification Sections for details): Loading, transport, placement, and compaction in lifts (as specified by a geotechnical engineer) of screened 19mm (3/4") overs from the stockpile management area to the excavation. This cost will include any geotechnical inspection cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.	m ³	200		
19	01 52 00 02 61 00.01 31 23 33.01	Backfilling of excavation with screened Pit Run Material from Man and Beast Pit (including 30% compaction factor). Including, but not limited to the following (see Specification Sections for details): Screening with 38 mm screener, loading, transport, placement and compaction in lifts (as specified by the geotechnical engineer) of pit-run sand and gravel from the PWGSC Man and Beast Pit located down a road to the east of km 258 of the Alaska Highway (a distance of approximately 17 km from the site). This cost must include round-trip transportation from the excavation to the source pit and back. This cost must also include the equipment and time required to load the pit run material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.	m ³	4,000		
20	01 52 00 02 61 00.01 31 23 33.01	Backfilling of excavation with screened Pit Run Material from the site, within 500m of the excavation (including 30% compaction factor) . Including, but not limited to the following (see Specification Sections for details): Screening with 38 mm screener, loading, transport, placement and compaction in lifts (as specified by the geotechnical engineer) of pit-run sand and gravel from the site, within 500m of the	m ³	4,000		



		excavation. This cost must also include the equipment and time required to load the pit run material into trucks for transportation. This cost will include all geotechnical inspection and testing cost. Includes addition of water as required to meet geotechnical compaction requirements. Note: no water available on site.				
21	01 52 00 02 61 00.01 31 23 33.01	Provision of Screener required for screening backfill with 38 mm screener at both the Man & Beast pit and from the site, within 500m of the excavation. Includes mobilization/ demobilization to and from site, within 500m of the excavation and Man and Beast Pit.	Lump Sum	1		
22	02 61 00.01 31 23 33.01	Biocell Fertilizer Procurement and Application Including, but not limited to the following (see Specification Sections for details): Purchase, transport, addition and thorough mixing of high nitrogen granular fertilizer such as granular urea to Biocell soils.	kg	2500		
23	02 61 00.01 31 23 33.01	Biocell Till / Turn Process Including, but not limited to the following (see Specification Sections for details): Soil turning/tilling and addition of water as necessary.	Hour	80		
24	02 61 00.01 31 23 33.01	Biocell Cover Including, but not limited to the following (see Specification Sections for details): Purchase, transport, placement and securing of a 15-mil minimum woven Polyethylene UV and hydrocarbon resistant Biocell cover with welded seams.	m ²	5,000		
25	31 23 33.01	Site Closure Including, but not limited to the following (see Specification Section(s) for details): final site inspection.	Lump Sum	1		
26	01 33 00 31 23 33.01	Close Out Submittals and As-Built Documents	Lump Sum	1		
OPTIONAL WORK (B): TOTAL EXTENDED AMOUNT Excluding applicable tax(es)						

TOTAL BID AMOUNT: BASE WORK AND OPTIONAL WORK (A + B) Excluding applicable tax(es)	
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CORPORATE LIMITED

Vancouver Lab
 #200 - 8809 Heather Street
 Vancouver, B.C.
 V6P 3T1

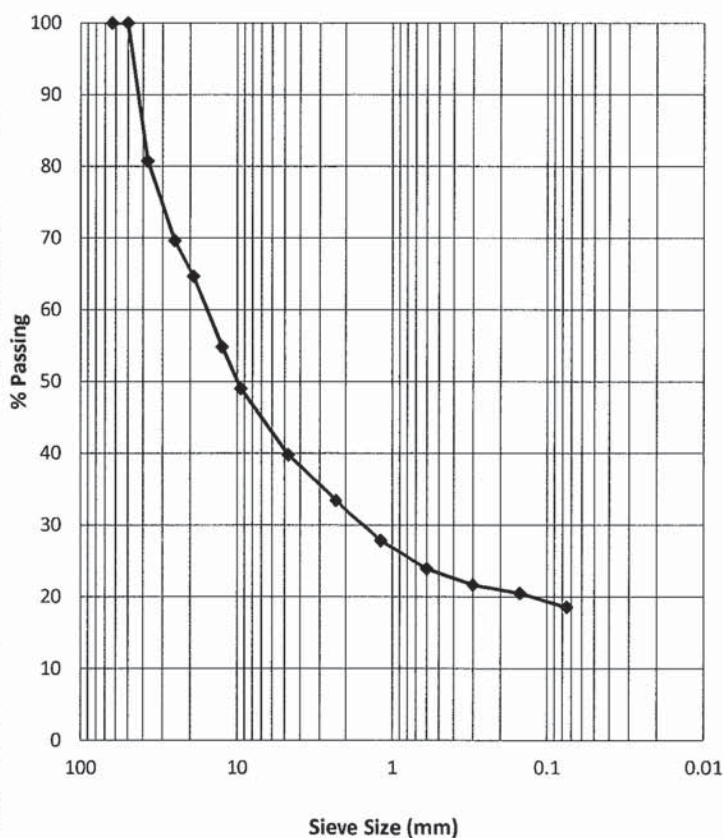
SIEVE ANALYSIS (ASTM C117/C136)

CLIENT:	SLR CONSULTING LTD.
PROJECT:	HIGHWAY MAINTENANCE CAMP
LOCATION:	SIKANNI, BC

JOB #:	14033
RECEIVED:	8-Jun-16
TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	SANDY GRAVEL, SOME SILT	SAMPLE ID:	TP16-01
SOURCE:	FILL QUALITY #2	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

	SIEVE SIZES		% PASSING	GRADATION LIMITS	
	Imperial	(mm)		LOW	HIGH
COBBLES	6"	150			
	5"	125			
	4"	100			
	3.5"	90			
	3"	75			
GRAVELS	2.5"	63	100.0		
	2"	50	100.0		
	1.5"	37.5	80.7		
	1"	25	69.6		
	3/4"	19	64.7		
	1/2"	12.5	54.8		
	3/8"	9.5	49.0		
	No. 4	4.75	39.8		
SANDS	No. 8	2.36	33.4		
	No. 16	1.18	27.8		
	No. 30	0.600	23.9		
	No. 50	0.300	21.7		
	No. 100	0.150	20.5		
FINES	No. 200	0.075	18.6		



COMMENTS: Material on site may contain a greater amount of oversize. DISTRIBUTION:

Per: Maria Lytle, B.Sc.

[Signature]
 Lab Administrator

Reviewed By: Dion Lauriente, B.A.Sc., EIT

Lab Manager



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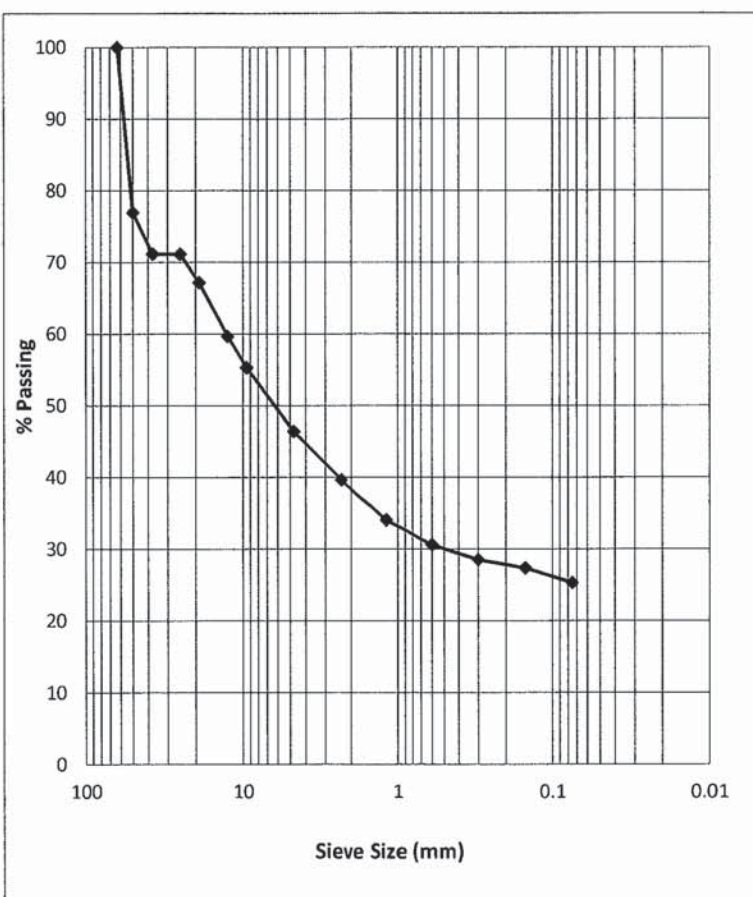
CONSULTING LTD.

**SIEVE ANALYSIS
(ASTM C117/C136)**Vancouver Lab
#200 - 8809 Heather Street
Vancouver, B.C.
V6P 3T1

CLIENT:	SLR CONSULTING LTD.	JOB #:	14033
PROJECT:	HIGHWAY MAINTENANCE CAMP	RECEIVED:	8-Jun-16
LOCATION:	SIKANNI, BC	TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	SILTY, SANDY GRAVEL	SAMPLE ID:	TP16-02
SOURCE:	FILL QUALITY #1	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

	SIEVE SIZES		% PASSING	GRADATION LIMITS	
	Imperial	(mm)		LOW	HIGH
COBBLES	6"	150			
	5"	125			
	4"	100			
	3.5"	90			
	3"	75			
GRAVELS	2.5"	63	100.0		
	2"	50	76.9		
	1.5"	37.5	71.1		
	1"	25	71.1		
	3/4"	19	67.2		
	1/2"	12.5	59.7		
	3/8"	9.5	55.3		
	No. 4	4.75	46.4		
SANDS	No. 8	2.36	39.6		
	No. 16	1.18	34.0		
	No. 30	0.600	30.6		
	No. 50	0.300	28.5		
	No. 100	0.150	27.3		
FINES	No. 200	0.075	25.3		



COMMENTS: Material on site may contain a greater amount of oversize. DISTRIBUTION:

Per: Maria Luyten, B.Sc.

Lab Administrator

Reviewed By: Dion Louriente, B.A.Sc., EIT

Lab Manager





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#200 - 8809 Heather Street
Vancouver, B.C.
V6P 3T1

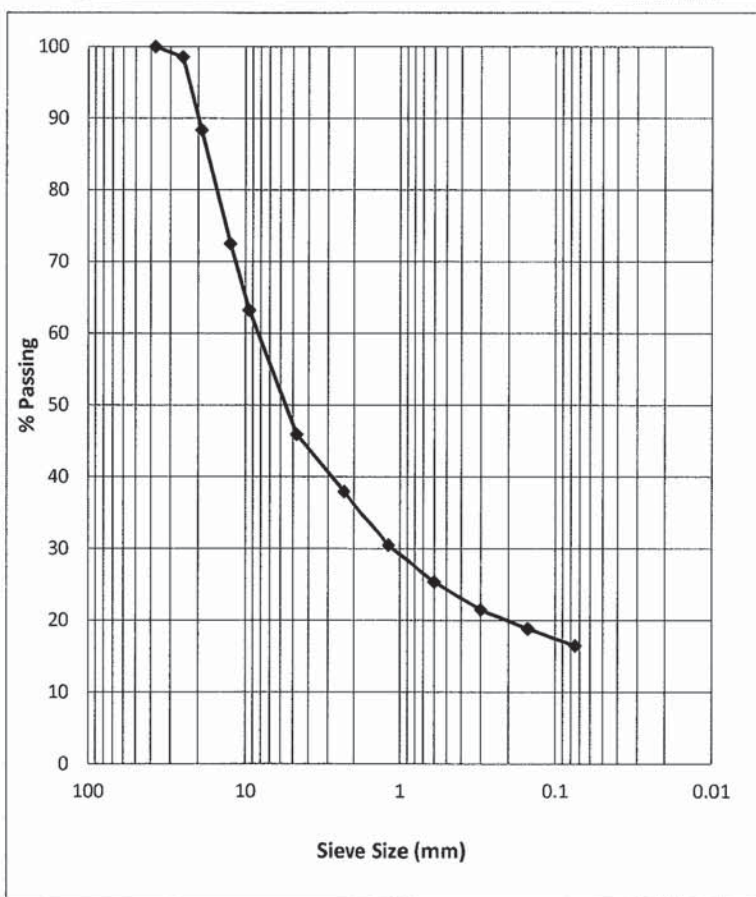
SIEVE ANALYSIS (ASTM C117/C136)

CLIENT:	SLR CONSULTING LTD.
PROJECT:	HIGHWAY MAINTENANCE CAMP
LOCATION:	SIKANNI, BC

JOB #:	14033
RECEIVED:	8-Jun-16
TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	SANDY GRAVEL, TRACE SILT - GREY	SAMPLE ID:	TP16-04
SOURCE:	FILL QUALITY #3-S1	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

	SIEVE SIZES		% PASSING	GRADATION LIMITS	
	Imperial	(mm)		LOW	HIGH
COBBLES	6"	150			
	5"	125			
	4"	100			
	3.5"	90			
	3"	75			
GRAVELS	2.5"	63			
	2"	50			
	1.5"	37.5	100.0		
	1"	25	98.5		
	3/4"	19	88.3		
	1/2"	12.5	72.5		
	3/8"	9.5	63.2		
	No. 4	4.75	45.9		
SANDS	No. 8	2.36	37.9		
	No. 16	1.18	30.5		
	No. 30	0.600	25.4		
	No. 50	0.300	21.5		
	No. 100	0.150	18.8		
FINES	No. 200	0.075	16.5		



COMMENTS:

DISTRIBUTION:

Adam Jessop - GeoPacific Consultants

Per: Greg Hustler, Dip. Tech.

Reviewed By: Dion Lauriente, B.A.Sc., EIT

Junior Lab Technician

Lab Manager



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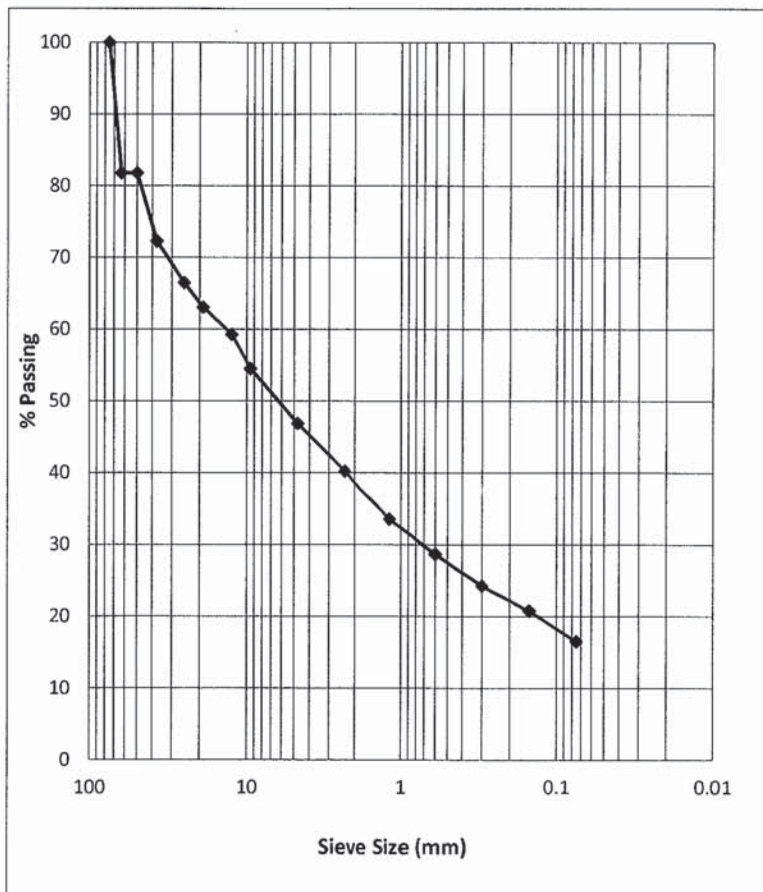
SIEVE ANALYSIS (ASTM C117/C136)

CLIENT:	SLR CONSULTING LTD.
PROJECT:	HIGHWAY MAINTENANCE CAMP
LOCATION:	SIKANNI, BC

JOB #:	14033
RECEIVED:	8-Jun-16
TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	SANDY GRAVEL, SOME SILT - BROWN	SAMPLE ID:	TP16-05
SOURCE:	3RD BENCH - SA#1	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

SIEVE SIZES		% PASSING	GRADATION LIMITS	
Imperial	(mm)		LOW	HIGH
COBBLES	6"	150		
	5"	125		
	4"	100		
	3.5"	90		
	3"	75	100.0	
GRAVELS	2.5"	63	81.8	
	2"	50	81.8	
	1.5"	37.5	72.3	
	1"	25	66.4	
	3/4"	19	63.0	
	1/2"	12.5	59.3	
	3/8"	9.5	54.5	
	No. 4	4.75	46.8	
SANDS	No. 8	2.36	40.2	
	No. 16	1.18	33.6	
	No. 30	0.600	28.7	
	No. 50	0.300	24.3	
	No. 100	0.150	20.8	
FINES	No. 200	0.075	16.5	



COMMENTS: Material on site may contain a greater amount of oversize. DISTRIBUTION:

Adam Jessop - GeoPacific Consultants

Per: Greg Hustler, Dip. Tech.

Reviewed By: Dion Lauriente, B.A.Sc., EIT

Junior Lab Technician

Lab Manager



**GEOPACIFIC**

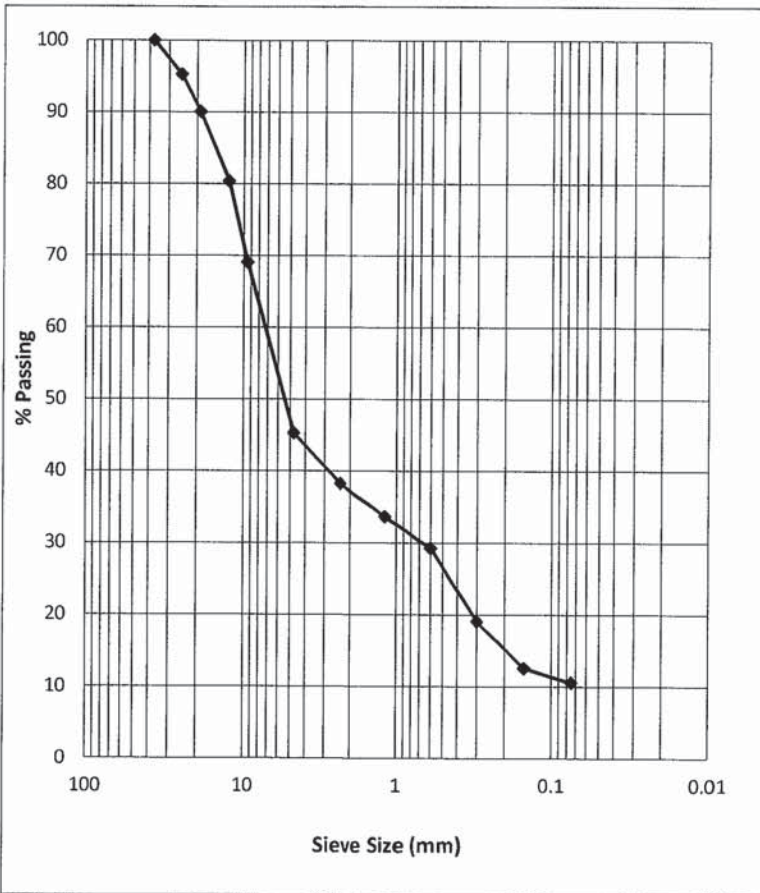
CONSULTING LTD.

**SIEVE ANALYSIS
(ASTM C117/C136)**Vancouver Lab
#200 - 8809 Heather Street
Vancouver, B.C.
V6P 3T1

CLIENT:	SLR CONSULTING LTD.	JOB #:	14033
PROJECT:	HIGHWAY MAINTENANCE CAMP	RECEIVED:	8-Jun-16
LOCATION:	SIKANNI, BC	TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	GRAVEL & SAND, SOME SILT - GREY	SAMPLE ID:	TP16-06
SOURCE:	3RD BENCH - SA#2	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

	SIEVE SIZES		% PASSING	GRADATION LIMITS	
	Imperial	(mm)		LOW	HIGH
COBBLES	6"	150			
	5"	125			
	4"	100			
	3.5"	90			
	3"	75			
GRAVELS	2.5"	63			
	2"	50			
	1.5"	37.5	100.0		
	1"	25	95.3		
	3/4"	19	90.1		
	1/2"	12.5	80.4		
	3/8"	9.5	69.1		
	No. 4	4.75	45.3		
SANDS	No. 8	2.36	38.2		
	No. 16	1.18	33.6		
	No. 30	0.600	29.3		
	No. 50	0.300	19.0		
	No. 100	0.150	12.6		
FINES	No. 200	0.075	10.6		



COMMENTS: Material on site may contain a greater amount of oversize. DISTRIBUTION:

Adam Jessop - GeoPacific Consultants

Per: Greg Hustler, Dip. Tech.

Reviewed By: Dion Lauriente, B.A.Sc., EIT

Junior Lab Technician

Lab Manager



**GEOPACIFIC**

CONSULTANTS

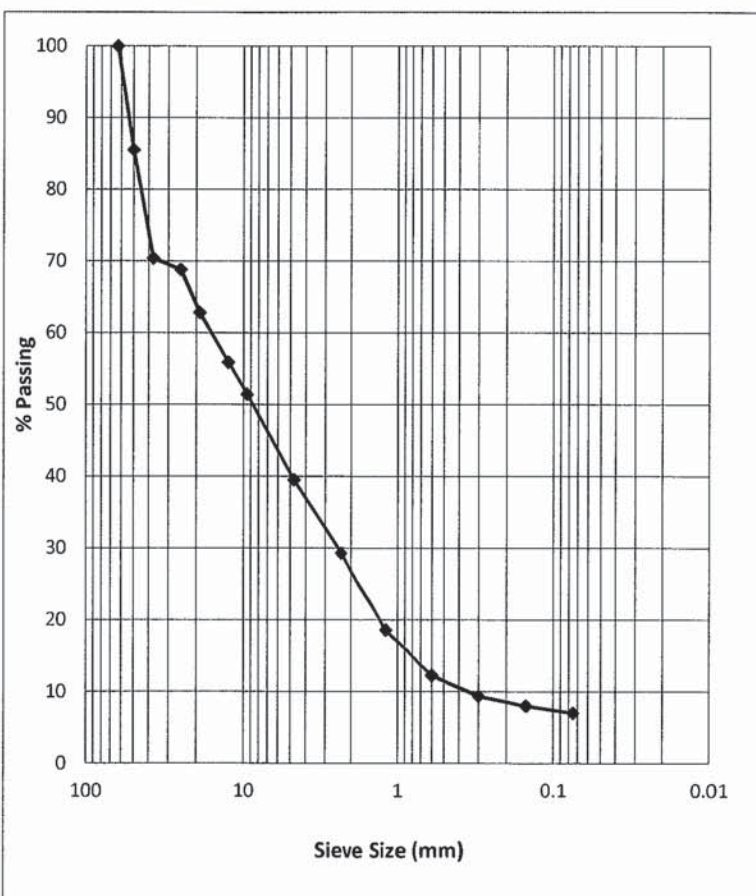
**SIEVE ANALYSIS
(ASTM C117/C136)**Vancouver Lab
#200 - 8809 Heather Street
Vancouver, B.C.
V6P 3T1

CLIENT:	SLR CONSULTING LTD.
PROJECT:	HIGHWAY MAINTENANCE CAMP
LOCATION:	SIKANNI, BC

JOB #:	14033
RECEIVED:	8-Jun-16
TESTED:	8-Jun-16

SAMPLE INFORMATION			
MATERIAL TYPE:	SANDY GRAVEL, TRACE SILT - GREY	SAMPLE ID:	TP16-07
SOURCE:	3RD BENCH - SA#3	METHOD:	WASHED
SPECIFICATION:	NOT SPECIFIED	REQUESTED BY:	AJ

	SIEVE SIZES		% PASSING	GRADATION LIMITS	
	Imperial	(mm)		LOW	HIGH
COBBLES	6"	150			
	5"	125			
	4"	100			
	3.5"	90			
	3"	75			
GRAVELS	2.5"	63	100.0		
	2"	50	85.5		
	1.5"	37.5	70.4		
	1"	25	68.8		
	3/4"	19	62.8		
	1/2"	12.5	55.9		
	3/8"	9.5	51.4		
	No. 4	4.75	39.5		
SANDS	No. 8	2.36	29.3		
	No. 16	1.18	18.6		
	No. 30	0.600	12.2		
	No. 50	0.300	9.4		
	No. 100	0.150	8.0		
FINES	No. 200	0.075	7.0		



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