LMC

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By Alameda County Environmental Health 9:36 am, Sep 29, 2017

September 28, 2017

Ms. Karel Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SOIL MANAGEMENT PLAN CERTIFICATION
County File # RO 3229
Lennar Multifamily Communities
1750 Webster Street
Oakland, CA

Dear Ms. Detterman:

You will find enclosed one copy of the following document prepared by GeoSolve, Inc. for the subject site:

- Soil Management Plan dated September 27, 2017.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

Should you have any questions, please do not hesitate to contact me at (415) 975-4991.

Sincerely,

Lennar Multifamily Communities
Tyler Wood
Development Director

0769.L2

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GeoSolve, Inc.®
Geoscience Solutions rather than Status-Quo

Visit us at www.geosolve-inc.com

Project No. 2015-29
September 27, 2017

Mr. Tyler Wood
Lennar Multifamily Communities, Inc.
492 9th Street Suite 300
Oakland, California 94607

Subject: Proposed Multifamily Development
1750 Webster Street, 1810 Webster Street and 301 19th Street
APNs 008-625-017; 008-625-018; and 008-625-002-1
Oakland, California
VRAP Case No. RO0003229
SCP No. RO0002672

Dear Mr. Wood:

At your request, ***GeoSolve, Inc.*** has prepared this Soil Management Plan (SMP) for the above-referenced site. The subject site consists of three properties located at 1750 Webster Street, 1810 Webster Street and 301 19th Street in Oakland, California with Alameda County Assessor Parcel Numbers (APNs) 008-625-017; 008-625-018; and 008-625-002-1.

A summary of the previous environmental activities conducted on the subject site are summarized in the Summary of Environmental Activities Report (***GeoSolve, Inc.***, September 27, 2017).

The purpose of this SMP is to provide Lennar Multifamily Communities (LMC) and their contractors with detailed instructions regarding excavating soil and handling activities and worker protection, emergency numbers, as well as contingencies for encountering unknown objects, such as debris, stained soil, pipes and/or underground storage tanks (USTs). This SMP was requested by the Alameda County Health Care Services Agency (ACHCSA) to accommodate site closure activities of all three properties. The subject site has historic ACHCSA Voluntary Remediation Action Program (VRAP) Case Number RO0003229 and Former Site Cleanup Program (SCP) Number RO0002672.

SOIL MANAGEMENT PLAN

This SMP has been prepared for LMC and their contractors who are planning to rough grade and construct a new high density residential development building on the subject site. These sections below detail site-specific steps necessary to address residual contamination during site grading activities. Contingencies if USTs, unknown contaminated soil, and/or other potentially adverse conditions are encountered are summarized in this SMP.

SMP Emergency Contact List

Tyler Wood, LMC ..... **(609) 273-6848**
Dan Emerson, LMC ..... **(510) 306-0263**
Karel Detterman, P.G., ACHCSA ..... **(510) 567-6708**
Herman Gomez, Oakland Fire Department ..... **(510) 238-7759**
Rob Campbell, P.G., C.E.G, *GeoSolve, Inc.* ..... **(925) 963-1198**

Lead-Impacted Soil

Lead was detected in three soil samples analyzed from the surface fill at subject site (see attached Site Plan); at 170 mg/Kg in boring B-1 at five feet bgs (***GeoSolve, Inc.***, November 2015) and at 130 mg/Kg in boring B-2 at one-foot bgs (***GeoSolve, Inc.***, February 2016); and at 5 feet bgs in soil sample SPB3-A at 760 mg/Kg (***GeoSolve, Inc.***, April 3, 2017). Because lead-impacted soil will be encountered during site grading activities, the contractor's health and safety plan for the site will discuss requirements for workers coming in contact with this soil. The location of these borings is shown on Figure 1.

Additional Lead Impacted-Soil Evaluation

At the request of LMC, a ***GeoSolve, Inc.*** field geologist observed the advancement of 29 borings (L1 through L29) to 10 feet below ground surface (bgs) using a Penecore Drilling, Inc. GeoProbe track direct-push rig model 7822DT on May 15, 2017. The location of borings L1 through L29 is shown on Figure 2. Each boring was advanced with a dual-core sampling system, in which the sampling rod was lined with clean acetate liners. The acetate liners were extracted from each 5-foot boring interval and soil samples were hand-sawed at 2-feet, 4-feet, 6-feet, 8-feet and 10-feet in every boring, in which the ends were covered with Teflon tape, capped, labeled and placed within a pre-chilled ice chest for temporary storage. The soil samples were delivered under chain-of-custody documentation to McCampbell Analytical, Inc., a State-certified hazardous waste testing laboratory, Certification No. 1644, in Pittsburg, California, for analysis. Soil samples L1-

2 through L29-10 were analyzed for lead using Environmental Protection Agency (EPA) Methods SW846/3050B/SW6020. The McCampbell Analytical laboratory report and chain-of-custody documents are attached to Appendix A and are shown on Table 1 below.

Table 1
Lead Analytical Results in Soil
1750 Webster Street and 301 19th Street
Oakland, California
May 15, 2017

Sample ID	Depth (feet)	Lead (mg/Kg)
L1-2	2	3.1
L1-4	4	4.1
L1-6	6	5.6
L1-8	8	4.6
L1-10	10	3.1
L2-2	2	2.7
L2-4	4	3.3
L2-6	6	3.8
L2-8	8	4.6
L2-10	10	3.7
L3-2	2	3.5
L3-4	4	3.5
L3-6	6	5.4
L3-8	8	4.3
L3-10	10	2.6
L4-2	2	5.9
L4-4	4	4.5
L4-6	6	5.5
L4-8	8	3.6
L4-10	10	2.9
L5-2	2	3.3
L5-4	4	4.7
L5-6	6	3.4
L5-8	8	5.3
L5-10	10	2.6
L6-2	2	**86**

Sample ID	Depth (feet)	Lead (mg/Kg)
L6-4	4	3.5
L6-6	6	4.9
L6-8	8	4.1
L6-10	10	2.8
L7-2	2	3.4
L7-4	4	4.3
L7-6	6	4.8
L7-8	8	5.0
L7-10	10	3.8
L8-2	2	4.7
L8-4	4	7.2
L8-6	6	4.9
L8-8	8	4.2
L8-10	10	4.1
L9-2	2	16
L9-4	4	3.2
L9-6	6	4.0
L9-8	8	4.5
L9-10	10	2.7
L10-2	2	5.3
L10-4	4	4.3
L10-6	6	5.3
L10-8	8	4.9
L10-10	10	3.9
L11-2	2	5.2
L11-4	4	4.4
L11-6	6	4.2
L11-8	8	2.9
L11-10	10	1.9
L12-2	2	3.4
L12-4	4	4.7
L12-6	6	3.8
L12-8	8	3.2
L12-10	10	2.1
L13-2	2	13
L13-4	4	3.3

Sample ID	Depth (feet)	Lead (mg/Kg)
L13-6	6	4.7
L13-8	8	3.8
L13-10	10	4.2
L14-2	2	4.0
L14-4	4	4.2
L14-6	6	2.9
L14-8	8	2.3
L14-10	10	1.9
L15-2	2	3.3
L15-4	4	3.9
L15-6	6	2.6
L15-8	8	2.3
L15-10	10	2.0
L16-2	2	2.8
L16-4	4	6.1
L16-6	6	4.0
L16-8	8	2.9
L16-10	10	2.7
L17-2	2	3.8
L17-4	4	3.7
L17-6	6	2.8
L17-8	8	2.4
L17-10	10	2.1
L18-2	2	3.3
L18-4	4	4.2
L18-6	6	3.1
L18-8	8	2.4
L18-10	10	2.0
L19-2	2	19
L19-4	4	4.7
L19-6	6	4.1
L19-8	8	2.7
L19-10	10	2.0
L20-2	2	6.3
L20-4	4	4.2
L20-6	6	2.9

Sample ID	Depth (feet)	Lead (mg/Kg)
L20-8	8	2.6
L20-10	10	1.8
L21-2	2	4.6
L21-4	4	6.6
L21-6	6	3.0
L21-8	8	2.3
L21-10	10	1.9
L22-2	2	6.0
L22-4	4	3.6
L22-6	6	3.2
L22-8	8	2.5
L22-10	10	1.8
L23-2	2	3.5
L23-4	4	3.9
L23-6	6	3.3
L23-8	8	2.6
L23-10	10	2.0
L24-2	2	3.0
L24-4	4	2.0
L24-6	6	8.3
L24-8	8	4.8
L24-10	10	3.8
L25-2	2	44
L25-4	4	5.0
L25-6	6	3.7
L25-8	8	3.0
L25-10	10	2.4
L26-2	2	5.1
L26-4	4	5.3
L26-6	6	2.9
L26-8	8	1.9
L26-10	10	1.9
L27-2	2	4.5
L27-4	4	4.7
L27-6	6	4.3
L27-8	8	3.0

Sample ID	Depth (feet)	Lead (mg/Kg)
L27-10	10	1.9
L28-2	2	6.0
L28-4	4	4.1
L28-6	6	2.4
L28-8	8	2.3
L28-10	10	1.7
L29-2	2	13
L29-4	4	6.5
L29-6	6	2.8
L29-8	8	2.2
L29-10	10	2.1
Residential ESL	---	*80*
Commercial ESL	---	*320*

mg/Kg = milligrams per kilogram, equivalent to parts per million (ppm).
ESLs = Environmental Screening Levels (RWQCB, February 2016)

Soil sample L6-2 was the only sample indicating a lead concentration above the residential ESL, at 86 milligrams per kilogram (mg/Kg). The sample exceeded the Regional Water Quality Control Board – Region 2 Environmental Screening Level (ESL) of 80 mg/Kg, but was less than the commercial ESL of 320 mg/Kg (RWQCB ESLs, February 2016).

General Excavation Activities

All fieldwork must be conducted in accordance with the contractor's health and safety plan, and the Traffic Control Plan and Dust Control Plan, attached as Appendices B and C. The contractor health and safety plan will have minimum requirements in accordance with 40-hour hazardous waste operating procedures (HAZWOPER) as per 29 Code of Federal Regulations (CFR) 1910.120 and 8 Code California Regulations (CCR) General Industry Safety Orders (GISO) 5192.

Soil to be disposed of off-Site shall be profiled for constituents as requested by the appropriate receiving landfill facility (e.g., hazardous, non-hazardous, or recycling). The receiving facility will be contacted for profile requirements for acceptance of import soil. It is anticipated that testing will be required to evaluate, at a minimum, the presence of lead and petroleum hydrocarbons.

Imported fill material must meet the minimum requirements for soil sampling and analysis designated by the DTSC to avoid the placement of chemically-impacted soil on site. The specific

chemicals to be tested and the frequency of testing will be evaluated on a case-by-case basis and approved by ACDEH.

If potentially adverse environmental conditions are encountered during excavation activities at the subject property, then the following contingencies must be followed, depending on the item(s) and/or situation(s) encountered and discussed below.

Procedures if Previously Unknown Contamination is Encountered

Once excavation activities are initiated after installing the necessary best management practices (BMPs) associated with the storm water pollution prevention plan (SWPPP) prepared by the contractors, previously unknown potentially contaminated soil may be encountered. If potentially contaminated soil is encountered during slab and asphalt removal or soil excavation, the protocols summarized below will be followed by all onsite personnel:

1. If visibly stained soil or soil with odors is encountered during the excavation, the ***Geosolve, Inc.*** Project Geologist will notify ACHCSA and a representative Evaluation Soil Sample will be collected and analyzed to evaluate chemical concentrations in the soil. Chemical analyses of soil samples collected from visibly contaminated or odorous soil, if encountered, will include organochlorine pesticides, petroleum hydrocarbons, VOCs, and Title 22 metals. If the list of chemical analyses for the Evaluation Sample differs from those listed here, ACHCSA will be consulted. Encore Samplers will be used for VOCs and the soil samples will be delivered to a State-certified hazardous waste testing laboratory for analysis using EPA Methods SW846/SW8081, SW8260B, SW8015, SW8021 and SW6020.

2. Such soil will be handled as potential hazardous waste until shown otherwise. If chemical concentrations in the soil samples are found to exceed the published screening criteria for residential land use (such as ESLs), ACHCSA will be contacted to discuss remedial options. If removal of impacted soil is deemed to be required, impacted soil will be excavated to the extent feasible and stockpiled separately. Confirmation soil samples will be collected from the bottom and sidewalls of the excavation area to verify that the impacted soil has been removed.

Management of Unknown USTs and/or Structures Uncovered During Excavation Activities

In the event an unknown underground container or structure (e.g., underground storage tank, sump, drum or pipe) that could have potentially hazardous materials is discovered during excavation

activities, all work in the vicinity of the underground container or structure will cease and ACHCSA will be notified. Such containers and structures, if any, and all associated piping or other appurtenances will be removed in accordance with applicable laws and regulations, the requirements in this SMP, and the management protocols described below:

- If the structure is a former petroleum-containing UST, ***GeoSolve, Inc.*** will notify ACHCSA and the Oakland Fire Department (OFD). The UST will be removed in accordance with OFD requirements. The OFD may require a work plan prior to tank removal, investigation, and closure.

- Residual liquid or sludge, if present in the encountered below-grade structure or pipeline, will be removed, placed in sealed storage containers, characterized as required by laws and regulations and as otherwise required by the permitted disposal facility, and appropriately disposed.

- The below-grade structure will be removed. Any visibly contaminated or odorous soil surrounding the below-grade structure or pipe will be managed according to the protocols described below:

    - If the structure is a pipe, it may not be necessary to remove the entire pipe, especially if the pipe extends beyond construction, if the pipe does not contain contaminated, hazardous, flammable, or explosive liquid, sludge, or gas. Under these conditions, the pipe may be cut, removed, and the ends capped. The removed pipe will be disposed in accordance with applicable laws and regulations. If the pipe material contains asbestos, then the material will be handled in accordance with applicable air quality and hazardous waste management laws and regulations and appropriate protocols for handling asbestos materials. As indicated above, if the pipe contains potentially hazardous materials, the materials will be removed, contained, and appropriately disposed of. The pipe will be removed and underlying soil inspected for visible contamination or odors.

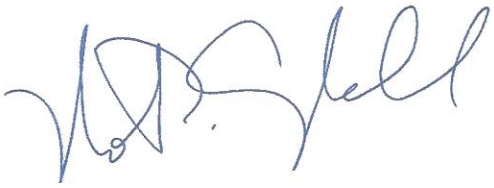
    - A PID with an 11.2-volt bulb (for VOCs) must be used to evaluate any pipe and/or structures for petroleum and/or VOC vapors. If vapors are detected, ghost-wipe samples must be collected from the structure(s) and analyzed for VOCs and petroleum-hydrocarbons using Environmental Protection Agency (EPA) Methods SW846/SW8260B, SW8015m with silica-gel cleanup, and SW8021. Based on the results of the ghost wipe samples, handing of the material

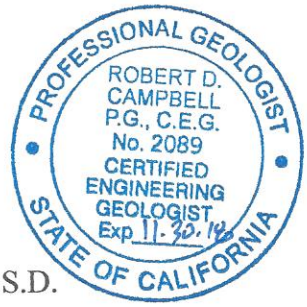
as a hazardous waste/substance or construction debris will be determined in the field by a ***GeoSolve, Inc.*** Project Geologist.

Please contact us at your convenience if you have any questions regarding this Soil Management Plan or if you require additional information.

Sincerely,

GeoSolve, Inc.





Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Attachments:

Figure 1, Soil Management Plan
Figure 2, Borings L1 through L29 Locations
Appendix A: McCampbell Analytical, Inc. Laboratory Report and Chain-of-Custody Documents
Appendix B: Transportation Plan
Appendix C: Dust Control Plan

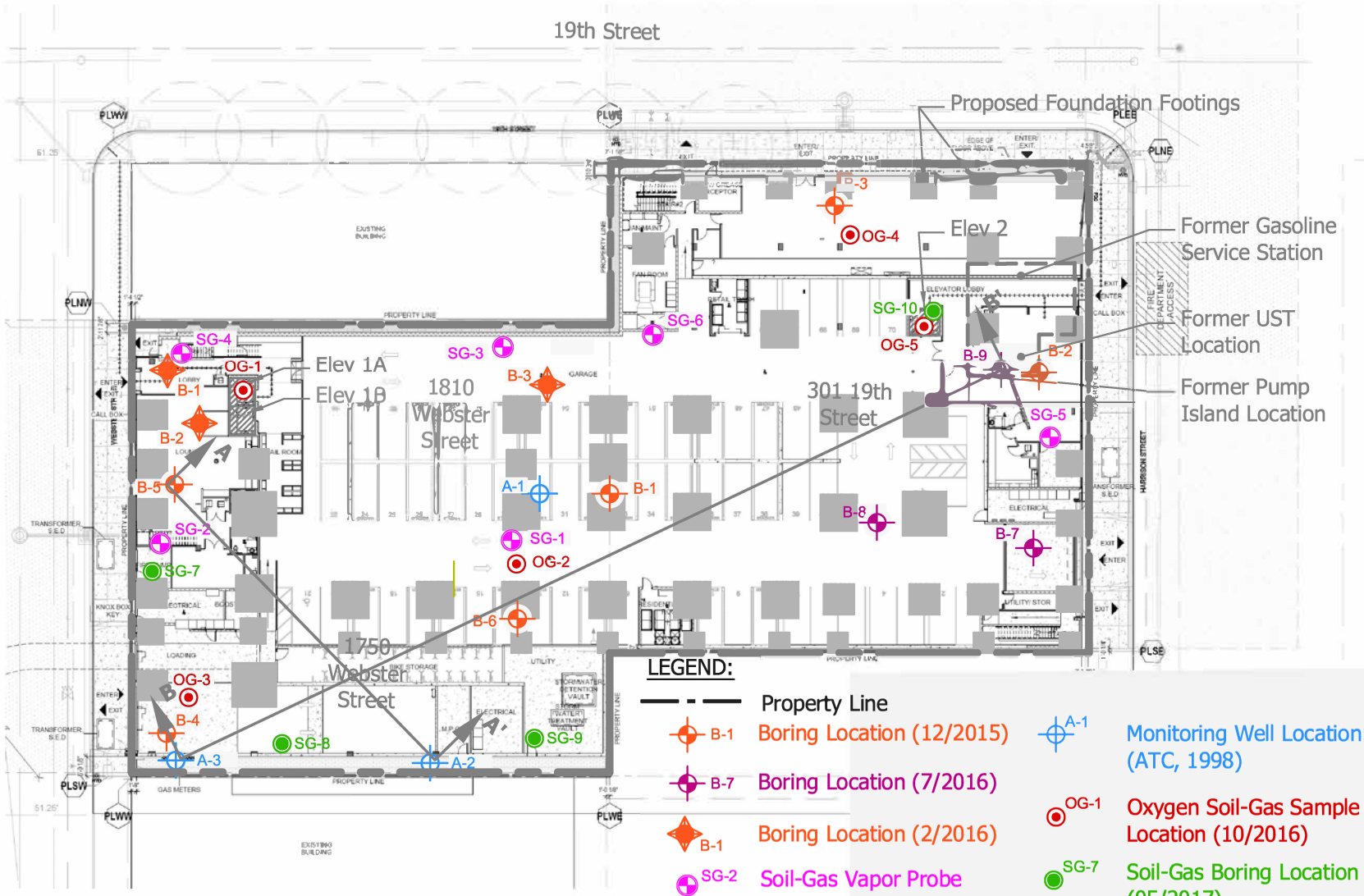
REFERENCES

GeoSolve, Inc., November 7, 2015. *Phase II Environmental Site Assessment at 1750 Webster Street and 301 19th Street in Oakland, California.* ***GeoSolve, Inc.*** Project No. 2015-29.

GeoSolve, Inc., February 11, 2016. *Phase II Environmental Site Assessment at 1810 Webster Street in Oakland, California.* ***GeoSolve, Inc.*** Project No. 2016-03.

GeoSolve, Inc., November 10, 2016. *Summary of Environmental Activities at 1750 Webster Street, 1810 Webster Street and 301 19th Street in Oakland, California.* ***GeoSolve, Inc.*** Project No. 2015-29.

GeoSolve, Inc., April 3, 2017. *Soil Management Plan for Excavation at 1750 Webster Street, 1810 Webster Street and 301 19th Street in Oakland, California.* ***GeoSolve, Inc.*** Project No. 2015-29.



Source: LPAS Site Plan Ground Level A1.001, 10/06/16

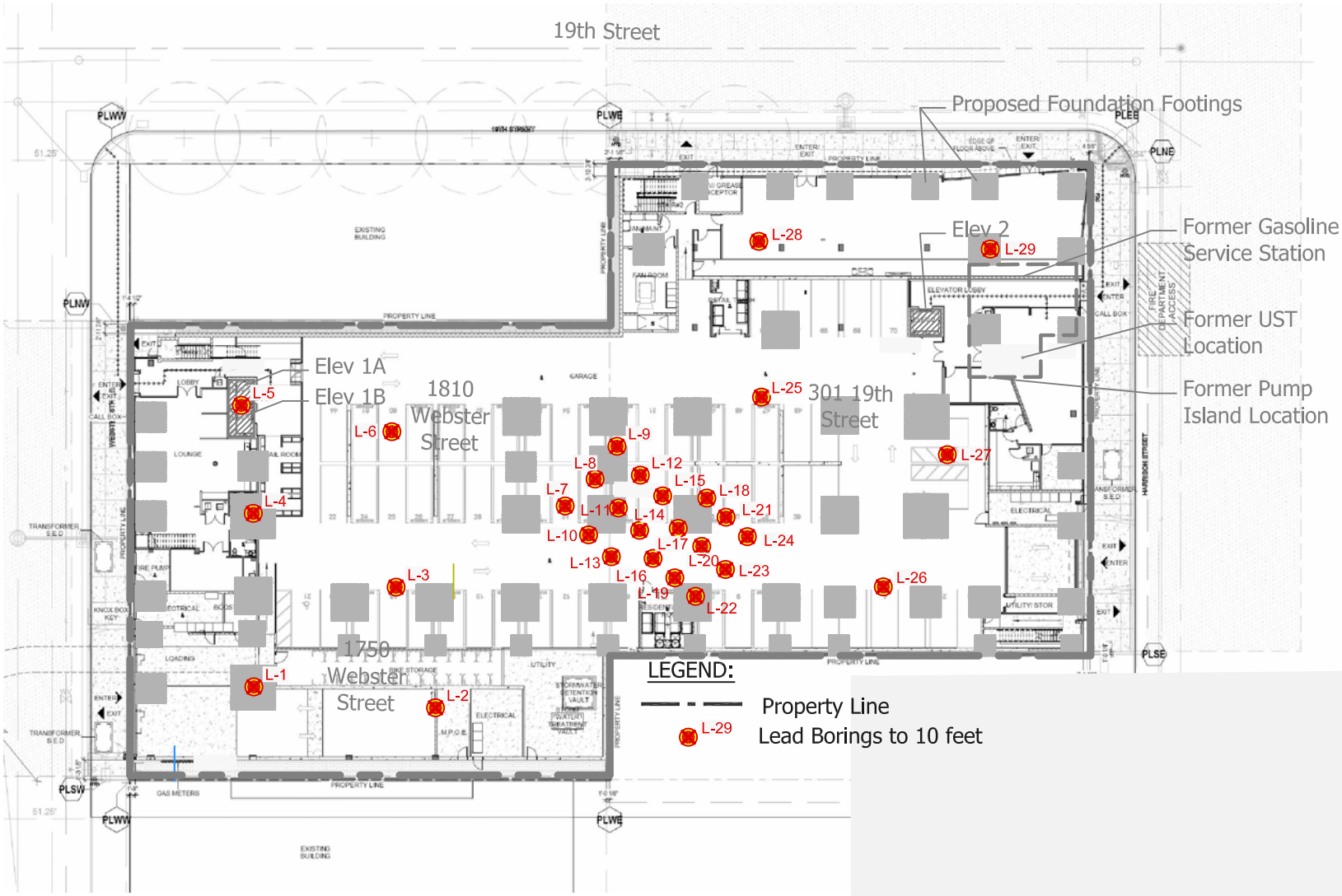
GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
Address: 1807 Santa Rita Rd, Suite D-165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

PROPOSED DEVELOPMENT FOOTPRINT

LENNAR MULTIFAMILY COMMUNITIES
SOIL MANAGEMENT PLAN
1750 and 1810 WEBSTER STREET and 301 19th STREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:
2015-29	GC
Scale:	Date:
AS SHOWN	09/2017

Figure No. 1



Source: LPAS Site Plan Ground Level A1.001, 10/06/16

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SOIL MANAGEMENT PLAN

LENNAR MULTIFAMILY COMMUNITIES
SOIL MANAGEMENT PLAN
1750 and 1810 WEBSTER STREET and 301 19th STREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:
2015-29	GC
Scale:	Date:
AS SHOWN	09/2017

Figure No. 2

APPENDIX A

McCAMPBELL ANALYTICAL, INC. LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTS

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1705733

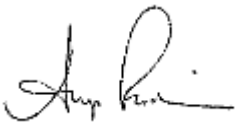
Report Created for: Geosolve, Inc.

1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.: 2015-29
Project Name: 2015-29; 19th and Harrison

Project Received: 05/16/2017

Analytical Report reviewed & approved for release on 05/22/2017 by:



Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc.
Project: 2015-29; 19th and Harrison
WorkOrder: 1705733

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

McCampbell Analytical, Inc.
"When Quality Counts"

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L1-2	1705733-002A	Soil	05/15/2017	ICP-MS1	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.1**	0.50	1	05/19/2017 18:34

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 18:34

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L1-4	1705733-004A	Soil	05/15/2017	ICP-MS1	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.1**	0.50	1	05/19/2017 18:40

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 18:40

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L1-6	1705733-006A	Soil	05/15/2017	ICP-MS1	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.6**	0.50	1	05/19/2017 18:28

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 18:28

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L1-8	1705733-008A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.6**	0.50	1	05/18/2017 19:29

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 19:29

Analyst(s): JC

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L1-10	1705733-010A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.1**	0.50	1	05/18/2017 19:35

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 19:35

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L2-2	1705733-012A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.7**	0.50	1	05/18/2017 19:41

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 19:41

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L2-4	1705733-014A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/18/2017 19:47

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 19:47

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L2-6	1705733-016A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 19:53

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 19:53

Analyst(s): JC

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L2-8	1705733-018A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.5**	0.50	1	05/18/2017 15:14

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 15:14

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L2-10	1705733-020A	Soil	05/15/2017	ICP-MS3	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.7**	0.50	1	05/18/2017 20:30

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 20:30

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L3-2	1705733-022A	Soil	05/15/2017	ICP-MS3	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.5**	0.50	1	05/18/2017 20:37

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 20:37

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L3-4	1705733-024A	Soil	05/15/2017	ICP-MS3	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.5**	0.50	1	05/18/2017 20:43

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 20:43

Analyst(s): JC

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L3-6	1705733-026A	Soil	05/15/2017	ICP-MS3	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.4**	0.50	1	05/18/2017 20:49

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 20:49

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L3-8	1705733-028A	Soil	05/15/2017	ICP-MS3	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.3**	0.50	1	05/18/2017 20:55

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 20:55

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L3-10	1705733-030A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.6**	0.50	1	05/18/2017 21:38

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 21:38

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L4-2	1705733-032A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.9**	0.50	1	05/18/2017 21:44

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 21:44

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L4-4	1705733-034A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.5**	0.50	1	05/18/2017 21:50

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 21:50

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L4-6	1705733-036A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.5**	0.50	1	05/18/2017 21:56

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 21:56

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L4-8	1705733-038A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.6**	0.50	1	05/18/2017 22:02

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 22:02

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L4-10	1705733-040A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/18/2017 22:08

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 22:08

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L5-2	1705733-042A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/18/2017 22:14

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 22:14

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L5-4	1705733-044A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 22:20

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 22:20

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L5-6	1705733-046A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.4**	0.50	1	05/18/2017 22:27

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 22:27

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L5-8	1705733-048A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	0.50	1	05/18/2017 22:33

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 22:33

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L5-10	1705733-050A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.6**	0.50	1	05/18/2017 22:57

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 22:57

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L6-2	1705733-052A	Soil	05/15/2017	ICP-MS2	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**86**	0.50	1	05/18/2017 15:56

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 15:56

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L6-4	1705733-054A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.5**	0.50	1	05/18/2017 23:03

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 23:03

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L6-6	1705733-056A	Soil	05/15/2017	ICP-MS1	139063

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.9**	0.50	1	05/18/2017 23:09

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 23:09

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L6-8	1705733-058A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.1**	0.50	1	05/18/2017 14:37

Surrogates	REC (%)	Limits	
Terbium	112	70-130	05/18/2017 14:37

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L6-10	1705733-060A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.8**	0.50	1	05/18/2017 23:15

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 23:15

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L7-2	1705733-062A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.4**	0.50	1	05/18/2017 23:21

Surrogates	REC (%)	Limits	
Terbium	98	70-130	05/18/2017 23:21

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L7-4	1705733-064A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.3**	0.50	1	05/18/2017 16:27

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 16:27

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L7-6	1705733-066A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.8**	0.50	1	05/18/2017 16:33

Surrogates	REC (%)	Limits	
Terbium	94	70-130	05/18/2017 16:33

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L7-8	1705733-068A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.0**	0.50	1	05/18/2017 16:57

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 16:57

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L7-10	1705733-070A	Soil	05/15/2017	ICP-MS2	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 15:50

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 15:50

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L8-2	1705733-072A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 17:03

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/18/2017 17:03

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L8-4	1705733-074A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**7.2**	0.50	1	05/18/2017 17:09

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 17:09

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L8-6	1705733-076A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.9**	0.50	1	05/18/2017 17:15

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 17:15

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L8-8	1705733-078A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 17:22

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 17:22

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L8-10	1705733-080A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.1**	0.50	1	05/18/2017 17:28

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 17:28

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L9-2	1705733-082A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**16**	0.50	1	05/18/2017 17:34

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 17:34

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L9-4	1705733-084A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.2**	0.50	1	05/18/2017 17:40

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 17:40

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L9-6	1705733-086A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.0**	0.50	1	05/18/2017 17:46

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 17:46

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L9-8	1705733-088A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.5**	0.50	1	05/18/2017 17:52

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 17:52

Analyst(s): MIG

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Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L9-10	1705733-090A	Soil	05/15/2017	ICP-MS1	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.7**	0.50	1	05/18/2017 18:16

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 18:16

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L10-2	1705733-092A	Soil	05/15/2017	ICP-MS2	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	0.50	1	05/18/2017 17:40

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 17:40

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L10-4	1705733-094A	Soil	05/15/2017	ICP-MS2	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.3**	0.50	1	05/18/2017 17:46

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 17:46

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L10-6	1705733-096A	Soil	05/15/2017	ICP-MS2	139064

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	0.50	1	05/18/2017 18:11

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 18:11

Analyst(s): MIG

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Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L10-8	1705733-098A	Soil	05/15/2017	ICP-MS1	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.9**	0.50	1	05/18/2017 16:02

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 16:02

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L10-10	1705733-100A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.9**	0.50	1	05/18/2017 14:46

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 14:46

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L11-2	1705733-102A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.2**	0.50	1	05/18/2017 18:17

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 18:17

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L11-4	1705733-104A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.4**	0.50	1	05/18/2017 18:23

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 18:23

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L11-6	1705733-106A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 18:29

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 18:29

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L11-8	1705733-108A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/18/2017 18:35

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 18:35

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L11-10	1705733-110A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 18:41

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 18:41

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L12-2	1705733-112A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.4**	0.50	1	05/18/2017 15:44

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 15:44

Analyst(s): MIG

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L12-4	1705733-114A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 15:38

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 15:38

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L12-6	1705733-116A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 16:02

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 16:02

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L12-8	1705733-118A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.2**	0.50	1	05/18/2017 16:14

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 16:14

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L12-10	1705733-120A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.1**	0.50	1	05/18/2017 18:47

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 18:47

Analyst(s): MIG

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L13-2	1705733-122A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**13**	0.50	1	05/22/2017 16:10

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/22/2017 16:10

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L13-4	1705733-124A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/18/2017 19:00

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 19:00

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L13-6	1705733-126A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 14:52

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 14:52

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L13-8	1705733-128A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 19:06

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 19:06

Analyst(s): MIG

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L13-10	1705733-130A	Soil	05/15/2017	ICP-MS1	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 23:46

Surrogates	REC (%)	Limits	
Terbium	97	70-130	05/18/2017 23:46

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L14-2	1705733-132A	Soil	05/15/2017	ICP-MS2	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.0**	0.50	1	05/18/2017 15:32

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 15:32

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L14-4	1705733-134A	Soil	05/15/2017	ICP-MS1	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 23:52

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 23:52

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L14-6	1705733-136A	Soil	05/15/2017	ICP-MS1	139065

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/19/2017 00:17

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/19/2017 00:17

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L14-8	1705733-138A	Soil	05/15/2017	ICP-MS1	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.3**	0.50	1	05/18/2017 13:48

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 13:48

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L14-10	1705733-140A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 14:22

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 14:22

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L15-2	1705733-142A	Soil	05/15/2017	ICP-MS1	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/19/2017 00:23

Surrogates	REC (%)	Limits	
Terbium	98	70-130	05/19/2017 00:23

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L15-4	1705733-144A	Soil	05/15/2017	ICP-MS1	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.9**	0.50	1	05/19/2017 00:29

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/19/2017 00:29

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L15-6	1705733-146A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.6**	0.50	1	05/18/2017 14:28

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 14:28

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L15-8	1705733-148A	Soil	05/15/2017	ICP-MS1	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.3**	0.50	1	05/19/2017 00:35

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/19/2017 00:35

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L15-10	1705733-150A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.50	1	05/18/2017 22:34

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 22:34

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L16-2	1705733-152A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.8**	0.50	1	05/18/2017 14:34

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 14:34

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L16-4	1705733-154A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.1**	0.50	1	05/18/2017 16:08

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 16:08

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L16-6	1705733-156A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.0**	0.50	1	05/18/2017 22:40

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 22:40

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L16-8	1705733-158A	Soil	05/15/2017	ICP-MS2	139066

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/18/2017 14:40

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 14:40

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L16-10	1705733-160A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.7**	0.50	1	05/18/2017 14:16

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 14:16

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L17-2	1705733-162A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 22:47

Surrogates	REC (%)	Limits	
Terbium	100	70-130	05/18/2017 22:47

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L17-4	1705733-164A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.7**	0.50	1	05/18/2017 13:33

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 13:33

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L17-6	1705733-166A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.8**	0.50	1	05/18/2017 09:06

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 09:06

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L17-8	1705733-168A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.4**	0.50	1	05/18/2017 09:24

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 09:24

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L17-10	1705733-170A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.1**	0.50	1	05/18/2017 09:30

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 09:30

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L18-2	1705733-172A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/18/2017 09:36

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 09:36

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L18-4	1705733-174A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 10:01

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 10:01

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L18-6	1705733-176A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.1**	0.50	1	05/18/2017 10:07

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 10:07

Analyst(s): MIG

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Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L18-8	1705733-178A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.4**	0.50	1	05/18/2017 10:13

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 10:13

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L18-10	1705733-180A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.50	1	05/18/2017 10:19

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 10:19

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L19-2	1705733-182A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**19**	0.50	1	05/18/2017 10:25

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 10:25

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L19-4	1705733-184A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 10:31

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 10:31

Analyst(s): MIG

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Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L19-6	1705733-186A	Soil	05/15/2017	ICP-MS2	139056

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.1**	0.50	1	05/18/2017 10:37

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 10:37

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L19-8	1705733-188A	Soil	05/15/2017	ICP-MS1	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.7**	0.50	1	05/18/2017 04:41

Surrogates	REC (%)	Limits	
Terbium	114	70-130	05/18/2017 04:41

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L19-10	1705733-190A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.50	1	05/18/2017 10:43

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 10:43

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L20-2	1705733-192A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.3**	0.50	1	05/18/2017 10:49

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 10:49

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L20-4	1705733-194A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.2**	0.50	1	05/18/2017 10:55

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 10:55

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L20-6	1705733-196A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/18/2017 11:19

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 11:19

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L20-8	1705733-198A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.6**	0.50	1	05/18/2017 11:25

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 11:25

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L20-10	1705733-200A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.8**	0.50	1	05/18/2017 11:32

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 11:32

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L21-2	1705733-202A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.6**	0.50	1	05/18/2017 11:38

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 11:38

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L21-4	1705733-204A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.6**	0.50	1	05/18/2017 11:44

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 11:44

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L21-6	1705733-206A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.0**	0.50	1	05/18/2017 11:50

Surrogates	REC (%)	Limits	
Terbium	99	70-130	05/18/2017 11:50

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L21-8	1705733-208A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.3**	0.50	1	05/18/2017 11:56

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 11:56

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L21-10	1705733-210A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 12:02

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/18/2017 12:02

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L22-2	1705733-212A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.0**	0.50	1	05/18/2017 22:53

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 22:53

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L22-4	1705733-214A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.6**	0.50	1	05/18/2017 22:59

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 22:59

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L22-6	1705733-216A	Soil	05/15/2017	ICP-MS1	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.2**	0.50	1	05/19/2017 18:21

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/19/2017 18:21

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L22-8	1705733-218A	Soil	05/15/2017	ICP-MS1	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.5**	0.50	1	05/19/2017 19:18

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/19/2017 19:18

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L22-10	1705733-220A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.8**	0.50	1	05/18/2017 23:18

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 23:18

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L23-2	1705733-222A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.5**	0.50	1	05/18/2017 23:43

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 23:43

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L23-4	1705733-224A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.9**	0.50	1	05/18/2017 23:49

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 23:49

Analyst(s): DB

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L23-6	1705733-226A	Soil	05/15/2017	ICP-MS2	139060

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.3**	0.50	1	05/18/2017 23:55

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 23:55

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L23-8	1705733-228A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.6**	0.50	1	05/17/2017 23:54

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/17/2017 23:54

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L23-10	1705733-230A	Soil	05/15/2017	ICP-MS2	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.50	1	05/18/2017 16:20

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 16:20

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L24-2	1705733-232A	Soil	05/15/2017	ICP-MS2	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.0**	0.50	1	05/18/2017 16:26

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 16:26

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L24-4	1705733-234A	Soil	05/15/2017	ICP-MS2	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.0**	0.50	1	05/18/2017 16:51

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 16:51

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L24-6	1705733-236A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**8.3**	0.50	1	05/18/2017 10:59

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 10:59

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L24-8	1705733-238A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.8**	0.50	1	05/18/2017 11:05

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 11:05

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L24-10	1705733-240A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.8**	0.50	1	05/18/2017 11:11

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 11:11

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L25-2	1705733-242A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**44**	0.50	1	05/18/2017 11:17

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 11:17

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L25-4	1705733-244A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.0**	0.50	1	05/18/2017 11:42

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/18/2017 11:42

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L25-6	1705733-246A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.7**	0.50	1	05/18/2017 11:48

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/18/2017 11:48

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L25-8	1705733-248A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.0**	0.50	1	05/18/2017 11:55

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 11:55

Analyst(s): MIG

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Analytical Report

Client: Geosolve, Inc.
Date Received: 5/16/17 13:55
Date Prepared: 5/17/17
Project: 2015-29; 19th and Harrison

WorkOrder: 1705733
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L25-10	1705733-250A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.4**	0.50	1	05/18/2017 12:01

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 12:01

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L26-2	1705733-252A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.1**	0.50	1	05/18/2017 12:07

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/18/2017 12:07

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L26-4	1705733-254A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	0.50	1	05/18/2017 12:13

Surrogates	REC (%)	Limits	
Terbium	113	70-130	05/18/2017 12:13

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L26-6	1705733-256A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.9**	0.50	1	05/18/2017 12:20

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/18/2017 12:20

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L26-8	1705733-258A	Soil	05/15/2017	ICP-MS2	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 20:12

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/18/2017 20:12

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L26-10	1705733-260A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 12:26

Surrogates	REC (%)	Limits	
Terbium	110	70-130	05/18/2017 12:26

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L27-2	1705733-262A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.5**	0.50	1	05/18/2017 12:32

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 12:32

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L27-4	1705733-264A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.7**	0.50	1	05/18/2017 12:38

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/18/2017 12:38

Analyst(s): MIG

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L27-6	1705733-266A	Soil	05/15/2017	ICP-MS3	139061

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.3**	0.50	1	05/18/2017 13:03

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 13:03

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L27-8	1705733-268A	Soil	05/15/2017	ICP-MS1	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.0**	0.50	1	05/18/2017 05:17

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/18/2017 05:17

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L27-10	1705733-270A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.9**	0.50	1	05/18/2017 13:09

Surrogates	REC (%)	Limits	
Terbium	110	70-130	05/18/2017 13:09

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L28-2	1705733-272A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.0**	0.50	1	05/18/2017 13:16

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/18/2017 13:16

Analyst(s): JC

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L28-4	1705733-274A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**4.1**	0.50	1	05/18/2017 13:22

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 13:22

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L28-6	1705733-276A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.4**	0.50	1	05/18/2017 13:28

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/18/2017 13:28

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L28-8	1705733-278A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.3**	0.50	1	05/18/2017 13:34

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 13:34

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L28-10	1705733-280A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**1.7**	0.50	1	05/18/2017 13:41

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/18/2017 13:41

Analyst(s): JC

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L29-2	1705733-282A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**13**	0.50	1	05/18/2017 13:47

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/18/2017 13:47

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L29-4	1705733-284A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.5**	0.50	1	05/18/2017 13:53

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 13:53

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L29-6	1705733-286A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.8**	0.50	1	05/18/2017 19:10

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/18/2017 19:10

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L29-8	1705733-288A	Soil	05/15/2017	ICP-MS3	139062

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.2**	0.50	1	05/18/2017 19:16

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/18/2017 19:16

Analyst(s): JC

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Received:	5/16/17 13:55	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	2015-29; 19th and Harrison	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
L29-10	**1705733-290A**	**Soil**	**05/15/2017**	**ICP-MS3**	**139062**

Analytes	Result	RL	DF	Date Analyzed
Lead	**2.1**	0.50	1	05/18/2017 19:22

Surrogates	REC (%)	Limits	
Terbium	101	70-130	05/18/2017 19:22

Analyst(s): JC

McCampbell Analytical, Inc.
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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139056
Date Analyzed:	5/17/17 - 5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139056 1705756-002AMS/MSD 1705756-002APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	48.9	0.50	50	-	98	75-125
Surrogate Recovery							
Terbium	498.7	507		500	100	101	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	94.0	92.9	50	21.55	145,F10	143,F10	75-125	1.13	20
Surrogate Recovery									
Terbium	486	500	500		97	100	70-130	2.84	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	71.1	50	21.55	99	75-125

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	21.4	21.55	0.696	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139060
Date Analyzed:	5/17/17 - 5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139060 1705733-188AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	48.9	0.50	50	-	98	75-125
Surrogate Recovery							
Terbium	500.8	496		500	100	99	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	53.2	51.9	50	2.696	101	98	75-125	2.57	20
Surrogate Recovery									
Terbium	571	558	500		114	112	70-130	2.36	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	2.83	2.696	4.97	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139061
Date Analyzed:	5/17/17 - 5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139061 1705733-228AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	51.0	0.50	50	-	102	75-125
Surrogate Recovery							
Terbium	509.1	524		500	102	105	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	50.3	49.0	50	2.579	96	93	75-125	2.58	20
Surrogate Recovery									
Terbium	499	491	500		100	98	70-130	1.76	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	2.63	2.579	1.98	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139062
Date Analyzed:	5/17/17 - 5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139062 1705733-268AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	47.3	0.50	50	-	95	75-125
Surrogate Recovery							
Terbium	505.7	490		500	101	98	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	54.2	54.1	50	3.019	102	102	75-125	0	20
Surrogate Recovery									
Terbium	582	582	500		116	116	70-130	0	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	3.13	3.019	3.68	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139063
Date Analyzed:	5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139063 1705733-018AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	51.8	0.50	50	-	104	75-125
Surrogate Recovery							
Terbium	511	560		500	102	112	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	52.3	53.2	50	4.470	96	98	75-125	1.71	20
Surrogate Recovery									
Terbium	518	528	500		104	106	70-130	1.87	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	4.51	4.470	0.895	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139064
Date Analyzed:	5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139064 1705733-058AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.4	0.50	50	-	101	75-125
Surrogate Recovery							
Terbium	536.9	542		500	107	108	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	61.6	54.5	50	4.083	115	101	75-125	12.2	20
Surrogate Recovery									
Terbium	616	542	500		123	108	70-130	12.8	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	3.92	4.083	3.99	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139065
Date Analyzed:	5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139065 1705733-098AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	49.7	0.50	50	-	99	75-125
Surrogate Recovery							
Terbium	526.1	539		500	105	108	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	54.3	54.9	50	4.891	99	100	75-125	1.08	20
Surrogate Recovery									
Terbium	535	545	500		107	109	70-130	1.87	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	4.89	4.891	0.0204	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1705733
Date Prepared:	5/17/17	**BatchID:**	139066
Date Analyzed:	5/18/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; 19th and Harrison	**Sample ID:**	MB/LCS-139066 1705733-138AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.6	0.50	50	-	101	75-125
Surrogate Recovery							
Terbium	535.9	536		500	107	107	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	54.4	51.0	50	2.325	104	97	75-125	6.47	20
Surrogate Recovery									
Terbium	557	523	500		111	105	70-130	6.43	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	ND<2.5	2.325	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2015-29
ProjectNo: 2015-29; 19th and Harrison

Bill to:
Lisa Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
lcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-002	L1-2	Soil	5/15/2017 00:00	☐	A											
1705733-004	L1-4	Soil	5/15/2017 00:00	☐	A											
1705733-006	L1-6	Soil	5/15/2017 00:00	☐	A											
1705733-008	L1-8	Soil	5/15/2017 00:00	☐	A											
1705733-010	L1-10	Soil	5/15/2017 00:00	☐	A											
1705733-012	L2-2	Soil	5/15/2017 00:00	☐	A											
1705733-014	L2-4	Soil	5/15/2017 00:00	☐	A											
1705733-016	L2-6	Soil	5/15/2017 00:00	☐	A											
1705733-018	L2-8	Soil	5/15/2017 00:00	☐	A											
1705733-020	L2-10	Soil	5/15/2017 00:00	☐	A											
1705733-022	L3-2	Soil	5/15/2017 00:00	☐	A											
1705733-024	L3-4	Soil	5/15/2017 00:00	☐	A											
1705733-026	L3-6	Soil	5/15/2017 00:00	☐	A											
1705733-028	L3-8	Soil	5/15/2017 00:00	☐	A											
1705733-030	L3-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-032	L4-2	Soil	5/15/2017 00:00	☐	A											
1705733-034	L4-4	Soil	5/15/2017 00:00	☐	A											
1705733-036	L4-6	Soil	5/15/2017 00:00	☐	A											
1705733-038	L4-8	Soil	5/15/2017 00:00	☐	A											
1705733-040	L4-10	Soil	5/15/2017 00:00	☐	A											
1705733-042	L5-2	Soil	5/15/2017 00:00	☐	A											
1705733-044	L5-4	Soil	5/15/2017 00:00	☐	A											
1705733-046	L5-6	Soil	5/15/2017 00:00	☐	A											
1705733-048	L5-8	Soil	5/15/2017 00:00	☐	A											
1705733-050	L5-10	Soil	5/15/2017 00:00	☐	A											
1705733-052	L6-2	Soil	5/15/2017 00:00	☐	A											
1705733-054	L6-4	Soil	5/15/2017 00:00	☐	A											
1705733-056	L6-6	Soil	5/15/2017 00:00	☐	A											
1705733-058	L6-8	Soil	5/15/2017 00:00	☐	A											
1705733-060	L6-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Requested TAT: 5 days;

Date Received: **05/16/2017**
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Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-062	L7-2	Soil	5/15/2017 00:00	☐	A											
1705733-064	L7-4	Soil	5/15/2017 00:00	☐	A											
1705733-066	L7-6	Soil	5/15/2017 00:00	☐	A											
1705733-068	L7-8	Soil	5/15/2017 00:00	☐	A											
1705733-070	L7-10	Soil	5/15/2017 00:00	☐	A											
1705733-072	L8-2	Soil	5/15/2017 00:00	☐	A											
1705733-074	L8-4	Soil	5/15/2017 00:00	☐	A											
1705733-076	L8-6	Soil	5/15/2017 00:00	☐	A											
1705733-078	L8-8	Soil	5/15/2017 00:00	☐	A											
1705733-080	L8-10	Soil	5/15/2017 00:00	☐	A											
1705733-082	L9-2	Soil	5/15/2017 00:00	☐	A											
1705733-084	L9-4	Soil	5/15/2017 00:00	☐	A											
1705733-086	L9-6	Soil	5/15/2017 00:00	☐	A											
1705733-088	L9-8	Soil	5/15/2017 00:00	☐	A											
1705733-090	L9-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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lcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-092	L10-2	Soil	5/15/2017 00:00	☐	A											
1705733-094	L10-4	Soil	5/15/2017 00:00	☐	A											
1705733-096	L10-6	Soil	5/15/2017 00:00	☐	A											
1705733-098	L10-8	Soil	5/15/2017 00:00	☐	A											
1705733-100	L10-10	Soil	5/15/2017 00:00	☐	A											
1705733-102	L11-2	Soil	5/15/2017 00:00	☐	A											
1705733-104	L11-4	Soil	5/15/2017 00:00	☐	A											
1705733-106	L11-6	Soil	5/15/2017 00:00	☐	A											
1705733-108	L11-8	Soil	5/15/2017 00:00	☐	A											
1705733-110	L11-10	Soil	5/15/2017 00:00	☐	A											
1705733-112	L12-2	Soil	5/15/2017 00:00	☐	A											
1705733-114	L12-4	Soil	5/15/2017 00:00	☐	A											
1705733-116	L12-6	Soil	5/15/2017 00:00	☐	A											
1705733-118	L12-8	Soil	5/15/2017 00:00	☐	A											
1705733-120	L12-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Requested TAT: 5 days;

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Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-122	L13-2	Soil	5/15/2017 00:00	☐	A											
1705733-124	L13-4	Soil	5/15/2017 00:00	☐	A											
1705733-126	L13-6	Soil	5/15/2017 00:00	☐	A											
1705733-128	L13-8	Soil	5/15/2017 00:00	☐	A											
1705733-130	L13-10	Soil	5/15/2017 00:00	☐	A											
1705733-132	L14-2	Soil	5/15/2017 00:00	☐	A											
1705733-134	L14-4	Soil	5/15/2017 00:00	☐	A											
1705733-136	L14-6	Soil	5/15/2017 00:00	☐	A											
1705733-138	L14-8	Soil	5/15/2017 00:00	☐	A											
1705733-140	L14-10	Soil	5/15/2017 00:00	☐	A											
1705733-142	L15-2	Soil	5/15/2017 00:00	☐	A											
1705733-144	L15-4	Soil	5/15/2017 00:00	☐	A											
1705733-146	L15-6	Soil	5/15/2017 00:00	☐	A											
1705733-148	L15-8	Soil	5/15/2017 00:00	☐	A											
1705733-150	L15-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2015-29
ProjectNo: 2015-29; 19th and Harrison

Bill to:
Lisa Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
lcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-152	L16-2	Soil	5/15/2017 00:00	☐	A											
1705733-154	L16-4	Soil	5/15/2017 00:00	☐	A											
1705733-156	L16-6	Soil	5/15/2017 00:00	☐	A											
1705733-158	L16-8	Soil	5/15/2017 00:00	☐	A											
1705733-160	L16-10	Soil	5/15/2017 00:00	☐	A											
1705733-162	L17-2	Soil	5/15/2017 00:00	☐	A											
1705733-164	L17-4	Soil	5/15/2017 00:00	☐	A											
1705733-166	L17-6	Soil	5/15/2017 00:00	☐	A											
1705733-168	L17-8	Soil	5/15/2017 00:00	☐	A											
1705733-170	L17-10	Soil	5/15/2017 00:00	☐	A											
1705733-172	L18-2	Soil	5/15/2017 00:00	☐	A											
1705733-174	L18-4	Soil	5/15/2017 00:00	☐	A											
1705733-176	L18-6	Soil	5/15/2017 00:00	☐	A											
1705733-178	L18-8	Soil	5/15/2017 00:00	☐	A											
1705733-180	L18-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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lcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1705733-182	L19-2	Soil	5/15/2017 00:00	☐	A											
1705733-184	L19-4	Soil	5/15/2017 00:00	☐	A											
1705733-186	L19-6	Soil	5/15/2017 00:00	☐	A											
1705733-188	L19-8	Soil	5/15/2017 00:00	☐	A											
1705733-190	L19-10	Soil	5/15/2017 00:00	☐	A											
1705733-192	L20-2	Soil	5/15/2017 00:00	☐	A											
1705733-194	L20-4	Soil	5/15/2017 00:00	☐	A											
1705733-196	L20-6	Soil	5/15/2017 00:00	☐	A											
1705733-198	L20-8	Soil	5/15/2017 00:00	☐	A											
1705733-200	L20-10	Soil	5/15/2017 00:00	☐	A											
1705733-202	L21-2	Soil	5/15/2017 00:00	☐	A											
1705733-204	L21-4	Soil	5/15/2017 00:00	☐	A											
1705733-206	L21-6	Soil	5/15/2017 00:00	☐	A											
1705733-208	L21-8	Soil	5/15/2017 00:00	☐	A											
1705733-210	L21-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Requested TAT: 5 days;

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Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-212	L22-2	Soil	5/15/2017 00:00	☐	A											
1705733-214	L22-4	Soil	5/15/2017 00:00	☐	A											
1705733-216	L22-6	Soil	5/15/2017 00:00	☐	A											
1705733-218	L22-8	Soil	5/15/2017 00:00	☐	A											
1705733-220	L22-10	Soil	5/15/2017 00:00	☐	A											
1705733-222	L23-2	Soil	5/15/2017 00:00	☐	A											
1705733-224	L23-4	Soil	5/15/2017 00:00	☐	A											
1705733-226	L23-6	Soil	5/15/2017 00:00	☐	A											
1705733-228	L23-8	Soil	5/15/2017 00:00	☐	A											
1705733-230	L23-10	Soil	5/15/2017 00:00	☐	A											
1705733-232	L24-2	Soil	5/15/2017 00:00	☐	A											
1705733-234	L24-4	Soil	5/15/2017 00:00	☐	A											
1705733-236	L24-6	Soil	5/15/2017 00:00	☐	A											
1705733-238	L24-8	Soil	5/15/2017 00:00	☐	A											
1705733-240	L24-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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lcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705733-242	L25-2	Soil	5/15/2017 00:00	☐	A											
1705733-244	L25-4	Soil	5/15/2017 00:00	☐	A											
1705733-246	L25-6	Soil	5/15/2017 00:00	☐	A											
1705733-248	L25-8	Soil	5/15/2017 00:00	☐	A											
1705733-250	L25-10	Soil	5/15/2017 00:00	☐	A											
1705733-252	L26-2	Soil	5/15/2017 00:00	☐	A											
1705733-254	L26-4	Soil	5/15/2017 00:00	☐	A											
1705733-256	L26-6	Soil	5/15/2017 00:00	☐	A											
1705733-258	L26-8	Soil	5/15/2017 00:00	☐	A											
1705733-260	L26-10	Soil	5/15/2017 00:00	☐	A											
1705733-262	L27-2	Soil	5/15/2017 00:00	☐	A											
1705733-264	L27-4	Soil	5/15/2017 00:00	☐	A											
1705733-266	L27-6	Soil	5/15/2017 00:00	☐	A											
1705733-268	L27-8	Soil	5/15/2017 00:00	☐	A											
1705733-270	L27-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705733 **ClientCode: GSP**

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Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/16/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1705733-272	L28-2	Soil	5/15/2017 00:00	☐	A											
1705733-274	L28-4	Soil	5/15/2017 00:00	☐	A											
1705733-276	L28-6	Soil	5/15/2017 00:00	☐	A											
1705733-278	L28-8	Soil	5/15/2017 00:00	☐	A											
1705733-280	L28-10	Soil	5/15/2017 00:00	☐	A											
1705733-282	L29-2	Soil	5/15/2017 00:00	☐	A											
1705733-284	L29-4	Soil	5/15/2017 00:00	☐	A											
1705733-286	L29-6	Soil	5/15/2017 00:00	☐	A											
1705733-288	L29-8	Soil	5/15/2017 00:00	☐	A											
1705733-290	L29-10	Soil	5/15/2017 00:00	☐	A											

Test Legend:

1	PBMS_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments: 10x/20x Rule

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"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-001A	L1-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-002A	L1-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-003A	L1-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-004A	L1-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-005A	L1-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-006A	L1-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-007A	L1-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-008A	L1-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-009A	L1-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-010A	L1-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-011A	L2-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-012A	L2-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-013A	L2-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-014A	L2-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-015A	L2-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-016A	L2-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-017A	L2-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-018A	L2-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-019A	L2-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-020A	L2-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-021A	L3-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-022A	L3-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-023A	L3-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-024A	L3-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-025A	L3-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-026A	L3-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-027A	L3-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-028A	L3-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-029A	L3-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-030A	L3-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-031A	L4-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-032A	L4-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-033A	L4-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-034A	L4-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-035A	L4-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-036A	L4-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-037A	L4-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-038A	L4-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-039A	L4-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-040A	L4-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-041A	L5-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-042A	L5-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-043A	L5-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-044A	L5-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-045A	L5-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-046A	L5-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-047A	L5-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-048A	L5-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-049A	L5-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-050A	L5-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-051A	L6-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-052A	L6-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-053A	L6-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-054A	L6-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-055A	L6-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-056A	L6-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-057A	L6-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-058A	L6-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-059A	L6-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-060A	L6-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-061A	L7-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-062A	L7-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-063A	L7-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-064A	L7-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-065A	L7-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-066A	L7-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-067A	L7-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-068A	L7-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-069A	L7-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-070A	L7-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-071A	L8-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-072A	L8-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-073A	L8-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-074A	L8-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-075A	L8-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-076A	L8-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-077A	L8-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-078A	L8-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-079A	L8-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-080A	L8-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-081A	L9-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-082A	L9-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-083A	L9-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-084A	L9-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-085A	L9-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-086A	L9-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-087A	L9-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-088A	L9-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-089A	L9-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-090A	L9-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-091A	L10-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-092A	L10-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-093A	L10-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-094A	L10-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-095A	L10-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-096A	L10-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-097A	L10-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-098A	L10-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-099A	L10-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-100A	L10-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-101A	L11-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-102A	L11-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-103A	L11-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-104A	L11-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-105A	L11-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-106A	L11-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-107A	L11-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-108A	L11-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-109A	L11-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-110A	L11-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-111A	L12-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-112A	L12-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-113A	L12-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-114A	L12-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-115A	L12-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-116A	L12-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-117A	L12-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-118A	L12-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-119A	L12-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-120A	L12-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-121A	L13-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-122A	L13-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-123A	L13-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-124A	L13-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-125A	L13-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-126A	L13-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-127A	L13-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-128A	L13-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-129A	L13-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-130A	L13-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-131A	L14-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-132A	L14-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-133A	L14-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-134A	L14-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-135A	L14-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-136A	L14-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-137A	L14-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-138A	L14-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-139A	L14-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-140A	L14-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-141A	L15-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-142A	L15-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-143A	L15-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-144A	L15-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-145A	L15-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-146A	L15-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-147A	L15-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-148A	L15-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-149A	L15-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-150A	L15-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-151A	L16-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-152A	L16-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-153A	L16-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-154A	L16-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-155A	L16-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-156A	L16-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-157A	L16-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-158A	L16-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-159A	L16-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-160A	L16-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-161A	L17-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-162A	L17-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-163A	L17-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-164A	L17-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-165A	L17-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-166A	L17-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-167A	L17-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-168A	L17-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-169A	L17-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-170A	L17-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-171A	L18-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-172A	L18-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-173A	L18-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-174A	L18-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-175A	L18-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-176A	L18-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-177A	L18-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-178A	L18-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-179A	L18-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-180A	L18-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-181A	L19-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-182A	L19-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-183A	L19-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-184A	L19-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-185A	L19-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-186A	L19-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-187A	L19-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-188A	L19-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-189A	L19-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-190A	L19-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-191A	L20-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-192A	L20-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-193A	L20-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-194A	L20-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-195A	L20-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-196A	L20-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-197A	L20-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-198A	L20-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-199A	L20-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-200A	L20-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-201A	L21-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-202A	L21-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-203A	L21-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-204A	L21-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-205A	L21-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-206A	L21-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-207A	L21-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-208A	L21-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-209A	L21-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-210A	L21-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-211A	L22-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-212A	L22-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-213A	L22-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-214A	L22-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-215A	L22-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-216A	L22-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-217A	L22-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-218A	L22-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-219A	L22-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-220A	L22-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-221A	L23-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-222A	L23-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-223A	L23-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-224A	L23-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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WORK ORDER SUMMARY

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Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-225A	L23-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-226A	L23-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-227A	L23-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-228A	L23-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-229A	L23-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-230A	L23-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-231A	L24-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-232A	L24-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-233A	L24-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-234A	L24-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-235A	L24-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-236A	L24-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-237A	L24-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-238A	L24-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-239A	L24-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-240A	L24-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-241A	L25-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-242A	L25-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-243A	L25-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-244A	L25-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-245A	L25-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-246A	L25-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-247A	L25-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-248A	L25-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-249A	L25-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-250A	L25-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-251A	L26-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-252A	L26-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-253A	L26-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-254A	L26-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-255A	L26-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-256A	L26-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-257A	L26-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-258A	L26-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-259A	L26-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-260A	L26-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-261A	L27-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-262A	L27-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-263A	L27-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-264A	L27-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-265A	L27-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-266A	L27-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-267A	L27-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-268A	L27-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-269A	L27-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-270A	L27-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-271A	L28-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-272A	L28-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-273A	L28-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-274A	L28-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-275A	L28-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-276A	L28-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-277A	L28-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-278A	L28-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-279A	L28-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-280A	L28-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-281A	L29-1	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-282A	L29-2	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-283A	L29-3	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-284A	L29-4	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-285A	L29-5	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-286A	L29-6	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	
1705733-287A	L29-7	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-288A	L29-8	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2015-29; 19th and Harrison **Work Order:** 1705733
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** 10x/20x Rule **Date Logged:** 5/16/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705733-289A	L29-9	Soil		1	Short Acetate Liner	☐	5/15/2017			☑	
1705733-290A	L29-10	Soil	SW6020 (Lead)	1	Short Acetate Liner	☐	5/15/2017	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1705733

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Email: rcampbell@geosolve-inc.com
Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L1-1	5.15.17		1	Soil	Ice
L1-2			1		
L1-3			1		
L1-4			1		
L1-5			1		
L1-6			1		
L1-7			1		
L1-8			1		
L1-9			1		
L1-10			1		

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	⊛	Total Lead		Hold
L1-1																			X
L1-2																	X		
L1-3																			X
L1-4																	X		
L1-5																			X
L1-6																	X		
L1-7																			X
L1-8																	X		
L1-9																			X
L1-10																	X		

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Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5.15.17	1355		5/15/17	1355

Comments / Instructions
⊛ If Pb > 50 ppm, Then STLC.
If Pb > 100 ppm, the TCLP.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

6

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Email: rcampbell@geosolve-inc.com
Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature: Matt Stell

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L2-1	5.15.17		1	Soil	Ice
L2-2			1		
L2-3			1		
L2-4			1		
L2-5			1		
L2-6			1		
L2-7			1		
L2-8			1		
L2-9			1		
L2-10			1		

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb (*)		PAH
L2-1																			X
L2-2																	X		
L2-3																			X
L2-4																	X		X
L2-5																			X
L2-6																	X		
L2-7																			X
L2-8																	X		
L2-9																			X
L2-10																	X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Matt Stell	5/16/17	1355		5/16/17	1355

Comments / Instructions
(*) If Pb > 50 ppm, then STLC
If Pb > 100 ppm, then TCLP.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
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Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L3 - 1	5/15/17			SOIL	1 CG
L3 - 2	↓			↓	↓
L3 - 3					
L3 - 4					
L3 - 5					
L3 - 6					
L3 - 7					
L3 - 8					
L3 - 9					
L3 - 10	↓			↓	↓

Analysis Requested

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
																		X
																X		
																		X
																X		
																		X
																X		
																		X
																X		
																		X
																X		

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Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

Comments / Instructions
* If Pb >50 ppm then STLC
If Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

6

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

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Company: GeoSolve, Inc.
Email: rcampbell@geosolve-inc.com
Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb *		HOLD
L4 - 1	5/15/17			SOIL	ICE																			X
L4 - 2																						X		
L4 - 3																								X
L4 - 4																						X		
L4 - 5																								X
L4 - 6																						X		
L4 - 7																								X
L4 - 8																						X		
L4 - 9																								X
L4 - 10																						X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

* Comments / Instructions
IF Pb >50 ppm then STLC
IF Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

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Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
LS - 1	5/15/17			SOIL	ICE																	X		X
LS - 2																						X		
LS - 3																								X
LS - 4																						X		
LS - 5																								X
LS - 6																						X		
LS - 7																								X
LS - 8																						X		
LS - 9																								X
LS - 10																						X		

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	5/16/17	1355		5/16/17	1355

* Comments / Instructions
If Pb >50 ppm then STLC
If Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

MAI Work Order # ______________________

6

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #			
J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #			
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS		

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Project Name: 19th and Harrison Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA PO # 2015-29
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb *		HOLD
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L6.2																						X		
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Comments / Instructions
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IF Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp ________ °C Initials ________

Page 6 of 29

6

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CHAIN OF CUSTODY RECORD

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Alt Email: — Tele: (925) 963-1198

Project Name: 19th and Harrison — Project #: 2015-29

Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29

Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb*		HOLD
L7 - 1	5/15/17			SOIL	ICE																			X
L7 - 2																						X		
L7 - 3																								X
L7 - 4																						X		
L7 - 5																								X
L7 - 6																						X		
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L7 - 8																						X		
L7 - 9																								X
L7 - 10																						X		

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Temp _____ °C Initials _____

MAI Work Order # _____

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Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
Email: rcampbell@geosolve-inc.com
Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
LB - 1	5/15/17			SOIL	ICE																			X
LB - 2																						X		
LB - 3																								X
LB - 4																						X		
LB - 5																								X
LB - 6																						X		
LB - 7																								X
LB - 8																						X		
LB - 9																								X
LB - 10																						X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

* Comments / Instructions
IF Pb > 50 ppm then STLC
IF Pb > 100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

6

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #	
J-Flag / MDL		ESL		Cleanup Approved					Bottle Order #	
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS	

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Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID / Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L9 - 1	5/12/17			SOIL	ICE
L9 - 2					
L9 - 3					
L9 - 4					
L9 - 5					
L9 - 6					
L9 - 7					
L9 - 8					
L9 - 9					
L9 - 10					

Analysis Requested

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb *		HOLD
																	X
															X		
																	X
															X		
																	X
															X		
																	X
															X		
																	X
															X		

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Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #															
J-Flag / MDL		ESL		Cleanup Approved			Bottle Order #																	
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS															

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Project Name: 19th and Harrison — Project #: 2015-29

Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L10 - 1	5/15/17			SOIL	ICE
L10 - 2					
L10 - 3					
L10 - 4					
L10 - 5					
L10 - 6					
L10 - 7					
L10 - 8					
L10 - 9					
L10 - 10					

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
L10 - 1																			X
L10 - 2																	X		
L10 - 3																			X
L10 - 4																	X		
L10 - 5																			X
L10 - 6																	X		
L10 - 7																			X
L10 - 8																	X		
L10 - 9																			X
L10 - 10																	X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/12/17	1355		5/16/17	1355

* Comments / Instructions

IF Pb > 50 ppm then STLC

IF Pb > 100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

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Email: rcampbell@geosolve-inc.com
Alt Email: Tele: (925) 963-1198
Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID / Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
LL1 - 1	5/15/17			SOIL	ICE
LL1 - 2					
LL1 - 3					
LL1 - 4					
LL1 - 5					
LL1 - 6					
LL1 - 7					
LL1 - 8					
LL1 - 9					
LL1 - 10					

Analysis Requested

SAMPLE ID	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
LL1 - 1																			X
LL1 - 2																	X		
LL1 - 3																			X
LL1 - 4																	X		
LL1 - 5																			X
LL1 - 6																	X		
LL1 - 7																			X
LL1 - 8																	X		
LL1 - 9																			X
LL1 - 10																	X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

Comments / Instructions
* IF Pb >50 ppm then STLC
IF Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
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Temp _____ °C Initials _____

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Rob Campbell — Bill To: GeoSolve, Inc.
Company: GeoSolve, Inc.
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Sampler Signature:

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L12-1	5/15/17			SOIL	ICE																			X
L12-2																						X	/	
L12-3																								X
L12-4																						X		
L12-5																								X
L12-6																						X		
L12-7																								X
L12-8																						X		
L12-9																								X
L12-10	↓			↓	↓																	X		

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	5/16/17	1355		5/16/17	1355

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Temp _____ °C Initials _____

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

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J-Flag / MDL		ESL		Cleanup Approved			Bottle Order #																	
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS															

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L13 · 1	5/15/17			SOIL	ICE																			X
L13 · 2																						X		
L13 · 3																								X
L13 · 4																						X		
L13 · 5																								X
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General COC

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J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #	
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L14 - 5																								X
L14 - 6																						X		
L14 - 7																								X
L14 - 8																						X		
L14 - 9																								X
L14 - 10	↓			↓	↓																	X		

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Temp ______ °C Initials ______

Page 14 of 29

MAI Work Order # ____________

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L15-1	5/15/17			SOIL	ICE																			X
L15-2	↓			↓	↓																	X		
L15-3	↓			↓	↓																			X
L15-4	↓			↓	↓																	X		
L15-5	↓			↓	↓																			X
L15-6	↓			↓	↓																	X		
L15-7	↓			↓	↓																			X
L15-8	↓			↓	↓																	X		
L15-9	↓			↓	↓																			X
L15-10	↓			↓	↓																	X		

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Temp ______ °C Initials ______

Page 15 of 29

6

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #															
J-Flag / MDL		ESL		Cleanup Approved			Bottle Order #																	
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS															

Report To: Rob Campbell — Bill To: GeoSolve, Inc.

Company: GeoSolve, Inc.

Email: rcampbell@geosolve-inc.com

Alt Email: — Tele: (925) 963-1198

Project Name: 19th and Harrison — Project #: 2015-29

Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb *		HOLD
L16 - 1	5/15/17			SOIL	ICE																			X
L16 - 2																						X		
L16 - 3																								X
L16 - 4																						X		
L16 - 5																								X
L16 - 6																						X		
L16 - 7																								X
L16 - 8																						X		
L16 - 9																								X
L16 - 10																						X		

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

* Comments / Instructions

IF Pb >50 ppm then STLC

IF Pb >100 ppm then TCLP

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

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Project Name: 19th and Harrison — Project #: 2015-29
Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L17-1	5/15/17			SOIL	ICE
L17-2					
L17-3					
L17-4					
L17-5					
L17-6					
L17-7					
L17-8					
L17-9					
L17-10					

Analysis Requested

BTEX & TPH as Gas (8021/8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664/9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664/9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/608/8081 (Cl Pesticides)	EPA 608/8082 PCB's; Aroclors only	EPA 524.2/624/8260 (VOCs)	EPA 525.2/625/8270 (SVOCs)	EPA 8270 SIM/8310 (PAHs/PNAs)	CAM 17 Metals (200.8/6020)*	Metals (200.8/6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		TOTAL Pb *		HOLD
																X		
																		X
																X		
																		X
																X		
																		X
																X		
																		X
																X		

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Sampler Signature:

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L18-1	5/15/17			SOIL	ICE																			X
L18-2																						X		
L18-3																								X
L18-4																						X		
L18-5																								X
L18-6																						X		
L18-7																								X
L18-8																						X		
L18-9																								X
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Temp _____ °C Initials _____

MAI Work Order # _____

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Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29

Sampler Signature:

Analysis Requested

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L19-1	5/15/17			SOIL	ICE																			X
L19-2																						X		
L19-3																								X
L19-4																						X		
L19-5																								X
L19-6																						X		
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Temp _____ °C Initials _____

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L20-1	5/15/17			SOIL	ICE																			X
L20-2																						X		
L20-3																								X
L20-4																						X		
L20-5																								X
L20-6																						X		
L20-7																								X
L20-8																						X		
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Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
L21-1	5/15/17			SOIL	ICE
L21-2					
L21-3					
L21-4					
L21-5					
L21-6					
L21-7					
L21-8					
L21-9					
L21-10					

Analysis Requested

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L22-2																						X		
L22-3																								X
L22-4																						X		
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Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS																

Report To: Rob Campbell — Bill To: GeoSolve, Inc.

Company: GeoSolve, Inc.

Email: rcampbell@geosolve-inc.com

Alt Email: — Tele: (925) 963-1198

Project Name: 19th and Harrison — Project #: 2015-29

Project Location: 1750 Webster Street, Oakland, CA — PO # 2015-29

Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis		Total Pb *		HOLD
L24-1	5/16/17			Soil	Ice																			X
L24-2																							X	
L24-3																								X
L24-4																							X	
L24-5																								X
L24-6																							X	
L24-7																								X
L24-8																							X	
L24-9																								X
L24-10																							X	

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Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	1355		5/16/17	1355

Comments / Instructions

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Temp _____ °C Initials _____

MAI Work Order # _____

6

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

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Sampler Signature:

Analysis Requested

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L25-1	5/16/17			Soil	ICE																			X
L25-2																						X		
L25-3																								X
L25-4																						X		
L25-5																								X
L25-6																						X		
L25-7																								X
L25-8																						X		
L25-9																								X
L25-10																						X		

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MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

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L26-1	5/16/17			SOIL	ICE																	✓		X
L26-2																							X	
L26-3																								X
L26-4																							X	
L26-5																								X
L26-6																							X	
L26-7																								X
L26-8																							X	
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Sampler Signature:

Analysis Requested

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L28-1	5/14/17			SOIL	ICE																			X
L28-2																						X		
L28-3																								X
L28-4																						X		
L28-5																								X
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Geosolve, Inc.**	Date and Time Received	**5/16/2017 13:55**
Project Name:	**2015-29; 19th and Harrison**	Date Logged:	**5/16/2017**
		Received by:	Jena Alfaro
WorkOrder №:	**1705733** Matrix: Soil	Logged by:	Jena Alfaro
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Sample/Temp Blank temperature		Temp:			NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☐	No	☑	

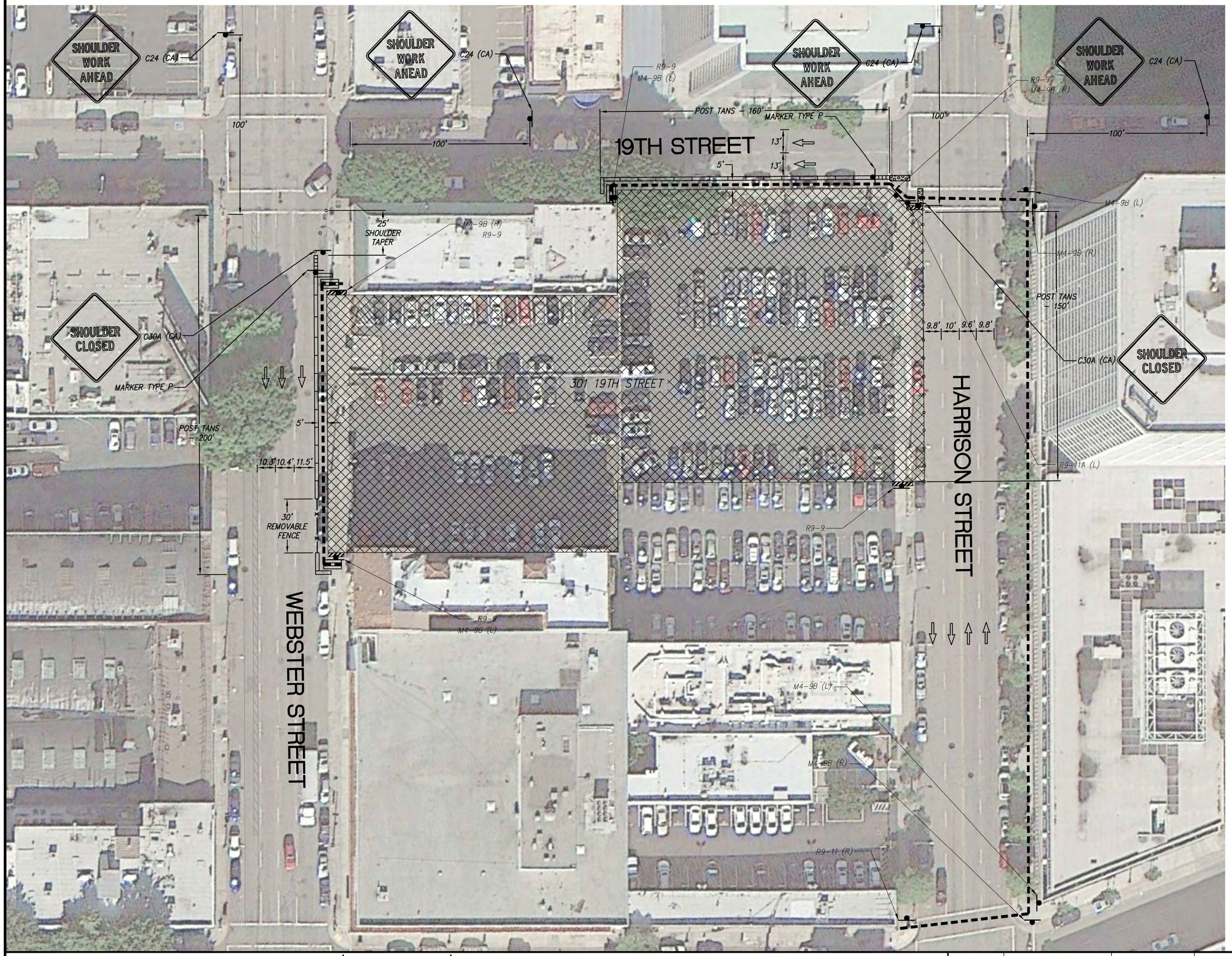
UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

Comments:

APPENDIX B

TRANSPORTATION PLAN



SCALE: 1"=30'

LEGEND

- WORK AREA
- TEMPORARY SIGN
- TYPE 2 BARRICADE
- CHANNELIZING DEVICE
- DIRECTION OF VEHICLE TRAVEL
- TEMPORARY ADA RAMP
- PEDESTRIAN PATH OF TRAVEL
- K-RAIL
- ABSORP 350
- REMOVABLE FENCE
- TEMPORARY TRUNCATED DOME PEDESTRIAN WARNING MAT

GENERAL TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AS REQUIRED.
2. CONTRACTOR SHALL POST TOW AWAY NO STOPPING SIGNS (TANS) WHERE APPLICABLE 72 HOURS IN ADVANCE OF IMPLEMENTING THIS TRAFFIC CONTROL PLAN.
3. TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE 2014 CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
4. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN DEVICES AS INDICATED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. SEE SHEET TC-1.1 FOR THE CORRESPONDING PEDSTRIAN DETOUR PLAN.
7. DELINEATORS OR NIGHT TRAFFIC CONES SHALL BE GLUED OR FASTENED TO PAVEMENT.
8. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE RATED FOR NIGHT TIME USE.
9. **THIS PLAN SHALL BE IN PLACE FOR THE DURATION OF THE PROJECT, UNLESS DIRECTED OTHERWISE.**

SANDIS
CIVIL ENGINEERS
SURVEYORS
PLANNERS
Oakland, CA 94607
SILICON VALLEY TRI-VALLEY
CENTRAL VALLEY EAST BAY/SF

CONSULTANT INFO

CHECKED BY	RES
DESIGNED BY	NJL
DRAWN BY	GL

DATE _____, 2017

RONALD EDMUND SANZO III
R.C.E. NO. 79305, EXPIRES 03-31-2018

CITY OF OAKLAND
DEPARTMENT OF ENGINEERING AND CONSTRUCTION
250 FRANK H. OGAWA PLAZA, SUITE 4314
OAKLAND, CA 94612
(510) 238-3437
FAX (510) 238-7227

301 19TH ST.
OAKLAND, CA

No.	DATE	BY	REFERENCE

TEMPORARY TRAFFIC CONTROL PLAN
BASE CONDITION

PROJECT NO.
617018

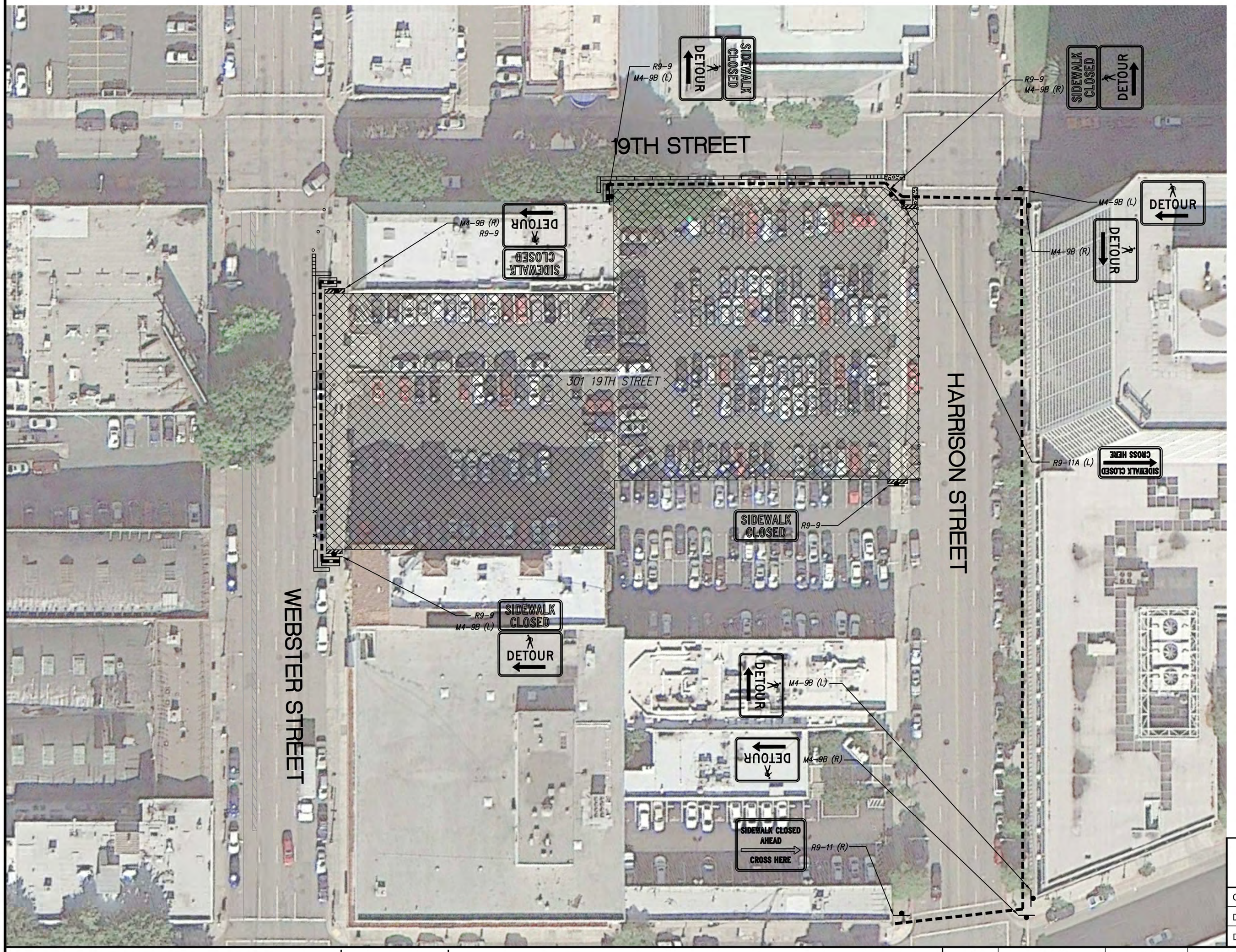
SCALE: 1"=20'

DATE: 02/02/17

TC-1

DRAWING NAME: C:\Users\jedwards\appdata\local\temp\AcPublish_8500\TC-1.dwg
PLOT DATE: 03-23-17
PLOTTED BY: jedwards

File: C:\Users\jedwards\appdata\local\temp\AcPublish_8500\TC-1.dwg Date: Mar 23, 2017 - 3:26pm



30 0 15 30 60

SANDIS

EAST BAY/SF

SCALE: 1"=30'

LEGEND

	WORK AREA		TEMPORARY ADA RAMP
	TEMPORARY SIGN		PEDESTRIAN PATH OF TRAVEL
	TYPE 2 BARRICADE		K-RAIL
	CHANNELIZING DEVICE		ABSORP 350
	TEMPORARY TRUNCATED DOME PEDESTRIAN WARNING MAT	x x	REMOVABLE FENCE

GENERAL TRAFFIC CONTROL NOTES

1. THE PEDESTRIAN DETOUR ON THIS SHEET SHALL BE IN PLACE WHENEVER TC-1.0 IS ACTIVE.

SANDIS
CIVIL ENGINEERS
SURVEYORS
PLANNERS
636 Ninth Street
Oakland, CA 94607
P.510.873.8666
F.510.873.8668
www.sandis.net
SILICON VALLEY TRI-VALLEY
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CONSULTANT INFO	
CHECKED BY	RES
DESIGNED BY	NJL
DRAWN BY	GL

DATE _____, 2017

RONALD EDMUND SANZO III
R.C.E. NO. 79305, EXPIRES 03-31-2018

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250 FRANK H. OGAWA PLAZA, SUITE 4314
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(510) 238-3437
FAX (510) 238-7227

301 19TH ST.
OAKLAND, CA

No.	DATE	BY	REFERENCE

PEDESTRIAN DETOUR PLAN
BASE CONDITION

PROJECT NO.
617018

SCALE: 1"=20'

DATE: 02/02/17

TC-1.1

DRAWING NAME: X:\P\617018\TRAFFIC\TC-1.1.dwg
PLOT DATE: 03/23/17
PLOTTED BY: jedwards

File: X:\P\617018\TRAFFIC\TC-1.1.dwg Date: Mar 23, 2017 - 3:28pm

GENERAL TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AS REQUIRED.
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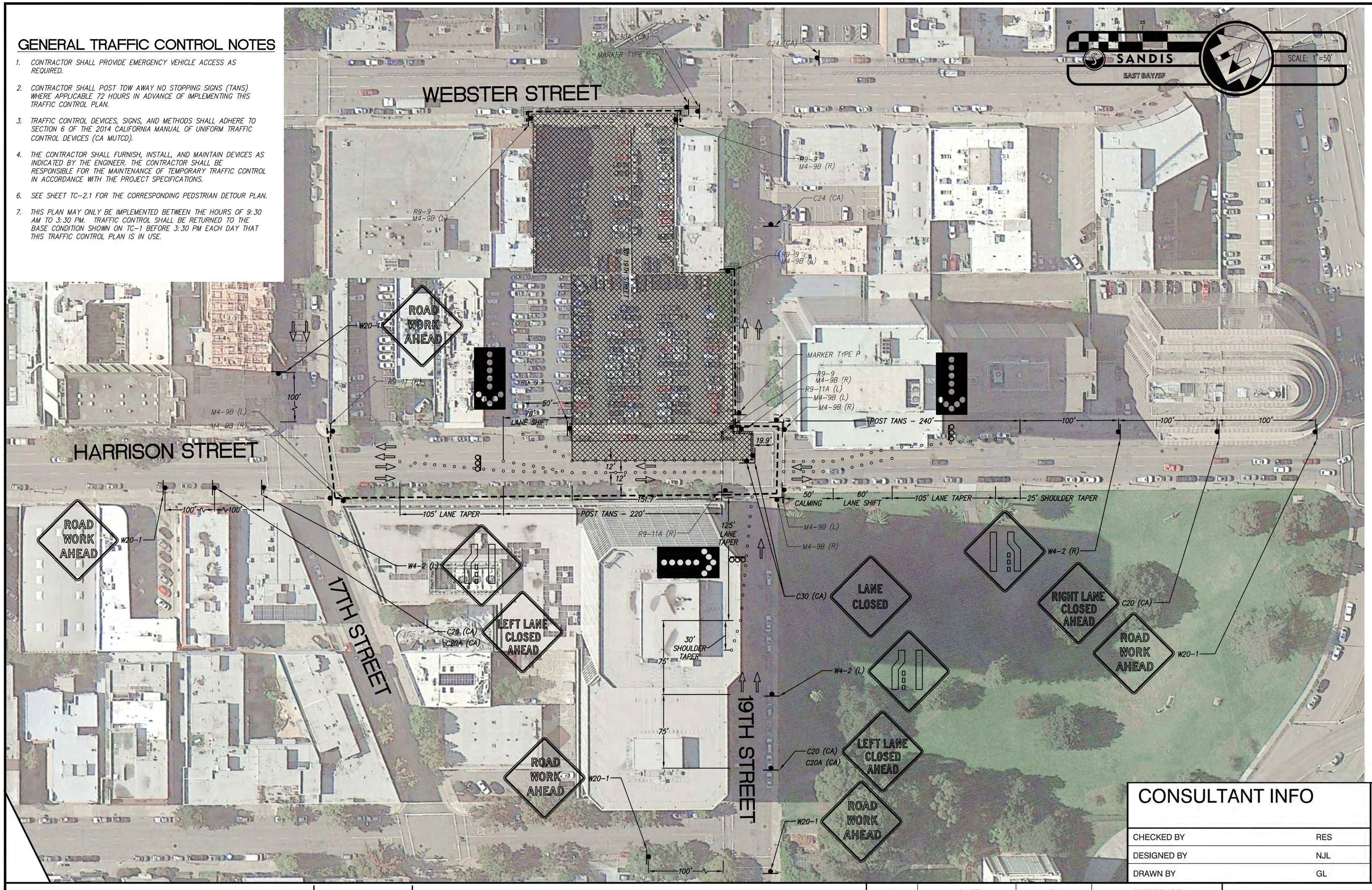
6. SEE SHEET TC-2.1 FOR THE CORRESPONDING PEDSTRIAN DETOUR PLAN.
7. THIS PLAN MAY ONLY BE IMPLEMENTED BETWEEN THE HOURS OF 9:30 AM TO 3:30 PM. TRAFFIC CONTROL SHALL BE RETURNED TO THE BASE CONDITION SHOWN ON TC-1 BEFORE 3:30 PM EACH DAY THAT THIS TRAFFIC CONTROL PLAN IS IN USE.



LEGEND

- WORK AREA
- TEMPORARY SIGN
- TYPE 2 BARRICADE
- CHANNELIZING DEVICE
- DIRECTION OF VEHICLE TRAVEL
- FLASHING ARROW SIGN
- TEMPORARY ADA RAMP
- PEDESTRIAN PATH OF TRAVEL
- K-RAIL
- ABSORP 350
- REMOVABLE FENCE
- TEMPORARY TRUNCATED DOME PEDESTRIAN WARNING MAT

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CENTRAL VALLEY EAST BAY/SF

CONSULTANT INFO

CHECKED BY	RES
DESIGNED BY	NJL
DRAWN BY	GL

DATE _____, 2017

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301 19TH ST.
OAKLAND, CA

No.	DATE	BY	REFERENCE

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NO.
617018

SCALE: 1"=20'

DATE: 02/02/17

TC-2

DRAWING NAME: X:\P\617018\TRAFFIC\TC-2.dwg
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PLOTTED BY: jedwards

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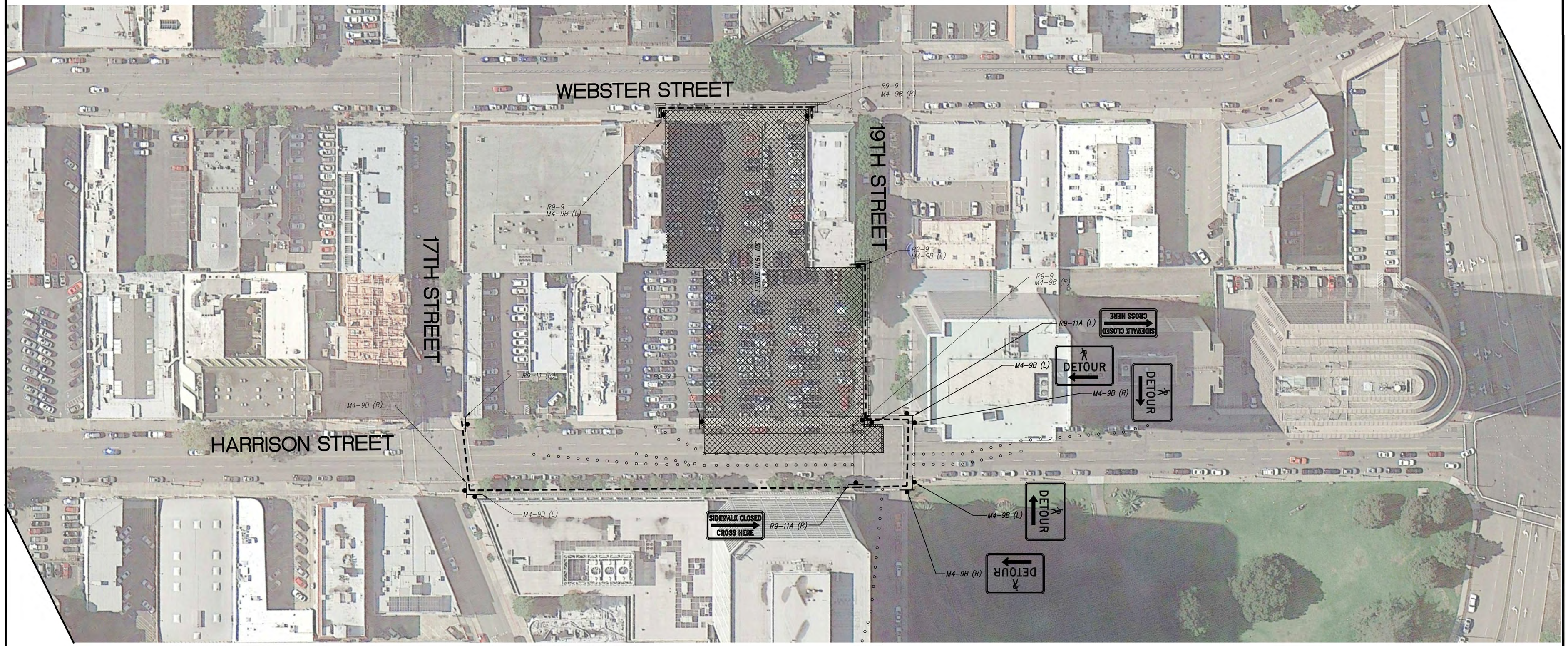

LEGEND

- WORK AREA
- TEMPORARY SIGN
- TYPE 2 BARRICADE
- CHANNELIZING DEVICE
- DIRECTION OF VEHICLE TRAVEL
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GENERAL TRAFFIC CONTROL NOTES

1. THE PEDESTRIAN DETOUR ON THIS SHEET SHALL BE IN PLACE WHENEVER TC-2.0 IS ACTIVE.

50 0 25 50 100
SANDIS EAST BAY/SF SCALE: 1"=50'

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PEDESTRIAN DETOUR PLAN

PROJECT NO. 617018

SCALE: 1"=20'

DATE: 02/02/17

TC-2.1

DRAWING NAME: X:\P\617018\TRAFFIC\TC-2.1.dwg
PLOT TIME: 03-23-17
PLOTTED BY: jdowards

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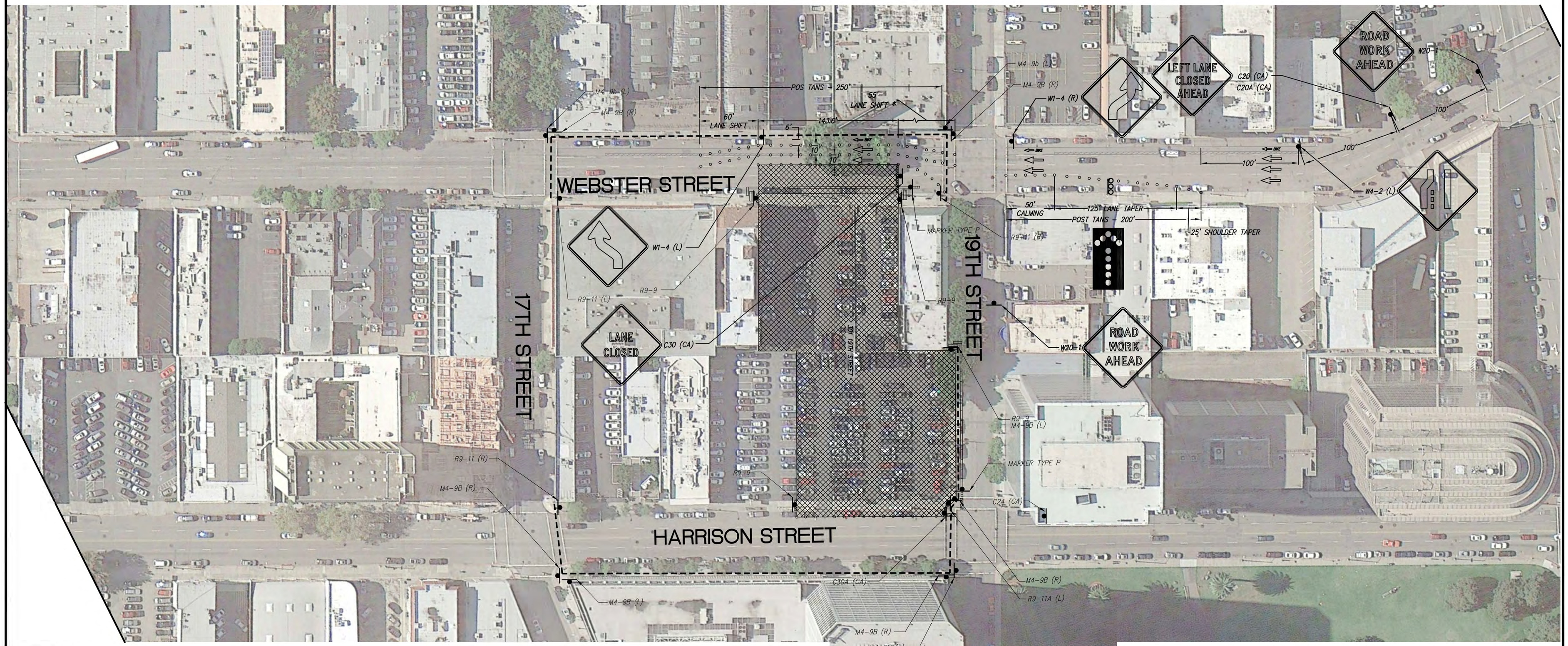

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* FULL 65 FT LANE SHIFT PRESCRIBED BY MUTCD NOT PROVIDED DUE TO ROADWAY GEOMETRIC CONSTRAINTS.

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50 0 25 50 100

SCALE: 1"=50'

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CONSULTANT INFO

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DESIGNED BY	NJL
DRAWN BY	GL

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No.	DATE	BY	REFERENCE

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NO.
617018

SCALE: 1"=20'

DATE: 02/02/17

TC-3

DRAWING NAME: X:\P\617018\TRAFFIC\TC-3.dwg
PLOT DATE: 03/23/17
PLOTTED BY: jedwards

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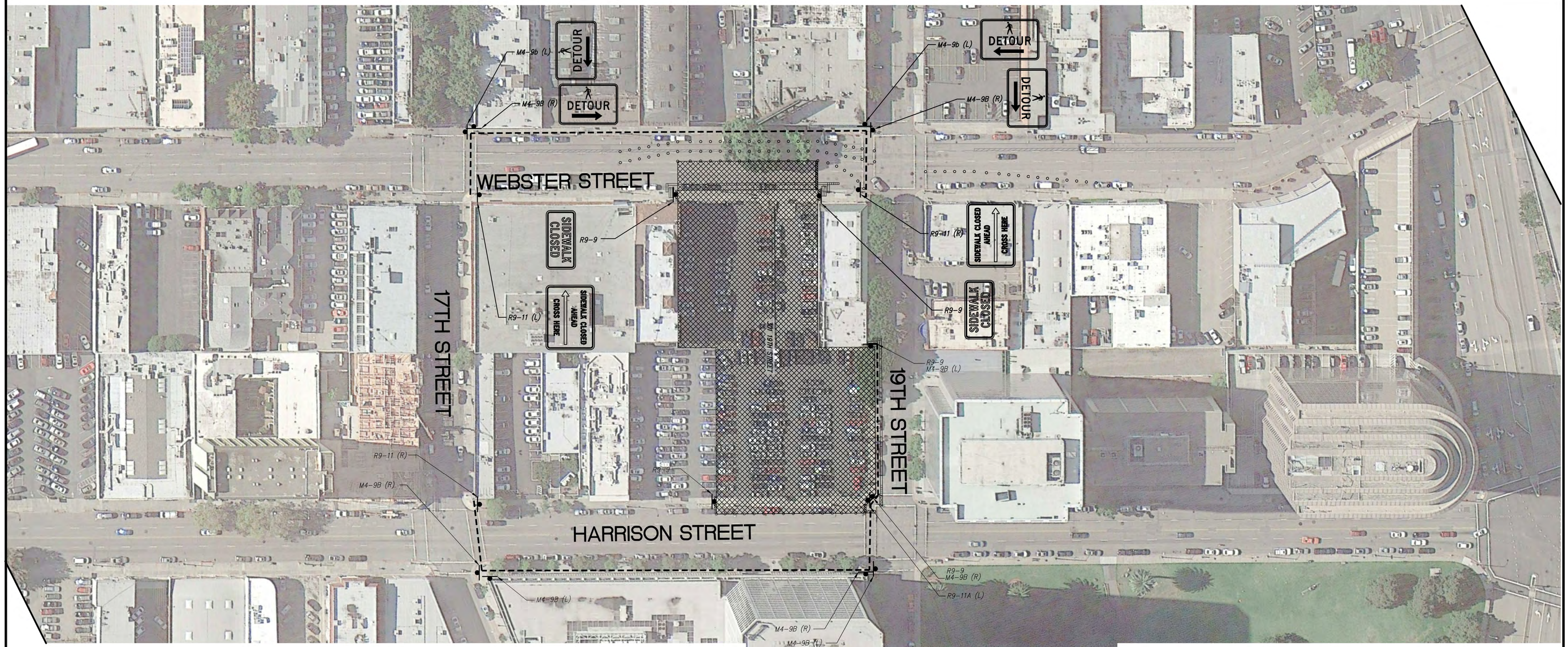

LEGEND

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- TYPE 2 BARRICADE
- CHANNELIZING DEVICE
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- PEDESTRIAN PATH OF TRAVEL
- K-RAIL
- ABSORP 350
- REMOVABLE FENCE
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GENERAL TRAFFIC CONTROL NOTES

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50 0 25 50 100

SANDIS EAST BAY/SF

SCALE: 1"=50'

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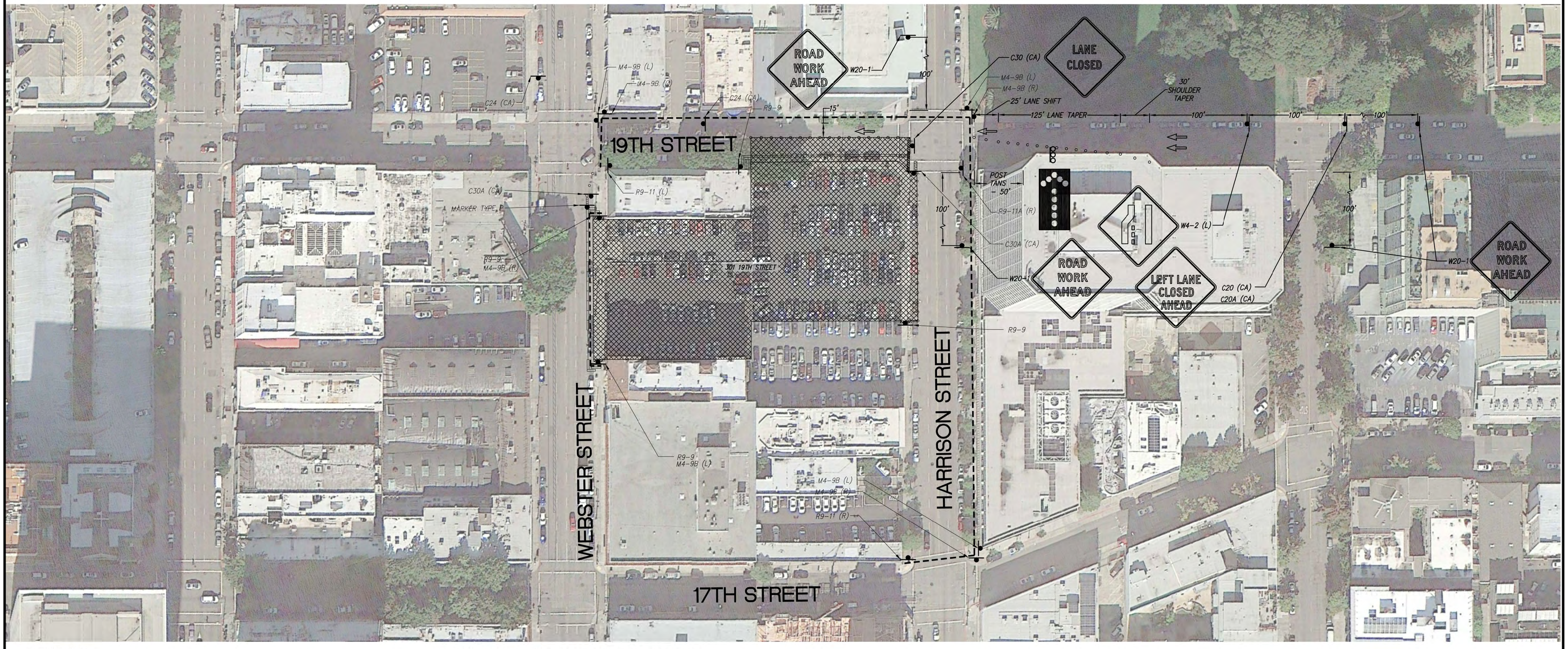

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50 0 25 50 100
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CONSULTANT INFO

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301 19TH ST.
OAKLAND, CA

No.	DATE	BY	REFERENCE

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NO.
617018

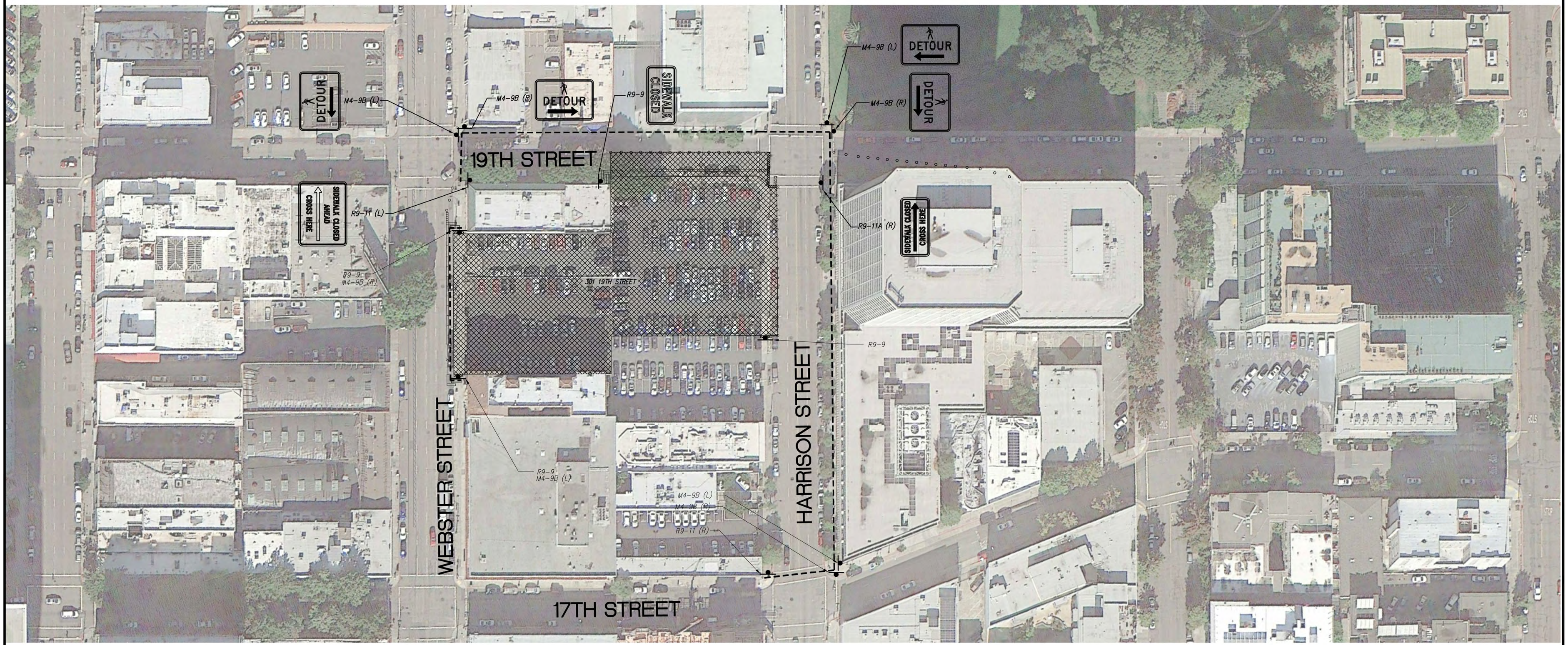
SCALE: 1"=20'

DATE: 02/02/17

TC-4

DRAWING NAME: X:\P\617018\TRAFFIC\TC-4.dwg
PLOT DATE: 03.23.17
PLOTTED BY: jedwards

File: X:\P\617018\TRAFFIC\TC-4.dwg Date: Mar 23, 2017 - 2:58pm



LEGEND

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50 0 25 50 100

SANDIS EAST BAY/SF SCALE: 1"=50'

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DATE _____, 2017

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No.	DATE	BY	REFERENCE

PEDESTRIAN DETOUR PLAN

PROJECT NO. 617018

SCALE: 1"=20'

DATE: 02/02/17

TC-4.1

DRAWING NAME: X:\P\617018\TRAFFIC\TC-4.1.dwg
RELEASE DATE: 03-23-17
PLOTTED BY: jedwards

File: X:\P\617018\TRAFFIC\TC-4.1.dwg Date: Mar 23, 2017 - 3:28pm

APPENDIX C

DUST CONTROL PLAN

GeoSolve, Inc.®
Geoscience Solutions rather than Status-Quo

Visit us at www.geosolve-inc.com

DUST CONTROL PLAN

Proposed High Density Development
1750 and 1810 Webster Street and 301 19th Street
Oakland, California

Prepared for

Lennar Multifamily Communities
492 9TH Street, Suite 300
Oakland, California 94506

1807 Santa Rita Road, Suite D-165 • Pleasanton, CA 94566
rcampbell@geosolve-inc.com • (925) 963-1198

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1.0 INTRODUCTION

GeoSolve, Inc. has prepared this Dust Control Plan for the proposed townhome development property known collectively as the Site, at 1750 and 1810 Webster Streets and 301 19th Street in Oakland, California (Figures 1 & 2). The property is owned by Lennar Multifamily Communities (LMC). This Dust Control Plan describes the general dust control procedures and protocols that will be employed during implementation of the Soil Management Plan (SMP) prepared by ***GeoSolve, Inc.*** for the Site.

1.1 Site Description and History

Based on review of historical sources conducted by ***GeoSolve, Inc.*** in our Phase I ESA (November 6, 2015), the property was initially developed prior to 1887 as single family residences, which were demolished in the late 1940s to early 1950s. A former restaurant occupied the property at 301 19th Street, which was demolished in the late 1960s. Most of the property has been utilized for automobile parking lots. The source of the retaining wall dividing 1750 Webster Street from 301 19th Street could not be ascertained, but is most likely associated with the initial development of the property. Elevated concentrations of TPHg and BTEX, and low concentrations of TCE were detected in groundwater samples collected from 1750 Webster Street (up to 200,000 µg/L TPHg) and appear to have migrated on-site from up-gradient sources. Based on the historical use of the property and subsequent site sampling, lead is present in the surficial soil at the subject property.

1.2 Objective

Activities at the Site that may contribute to dust emission, such as soil relocation, backfilling, grading operations, stockpiling soil, construction vehicle traffic, and wind flowing over disturbed soil, will be addressed in this Plan. It is the objective of this Dust Control Plan to establish the project-specific requirements for control of dust emissions during development at the Site.

1.3 Nature and Extent of Contamination

Previous environmental investigations have found that the chemical of concern (COC) in soil at the Site is lead in shallow soil. The ***GeoSolve, Inc.*** Site-specific Health and Safety Plan (HASP) in Appendix A of the SMP describes the potential chemical hazards of lead.

1.4 Regulatory Requirement

Work activities at the Site must comply with the Bay Area Air Quality Management District (BAAQMD) and the California Code of Regulations requirements. Specifically, all response actions must comply with BAAQMD Regulation 6, regulating visible particulate matter. Section 6-1-305 of BAAQMD Regulation 6 states that "A person shall not emit particles from any operation in sufficient number to cause annoyance to any other person, which particles are large enough to be visible as individual particles at the emission point or of such size and nature as to be visible individually as incandescent particles." Section 6-1-305 shall only apply if such particles fall on real property other than that of the person responsible for the emission.

2.0 DUST CONTROL PROCEDURES

Each day (including weekends and holidays) that grading activities are conducted, dust control procedures must be implemented.

2.1 Dust Control Measures During Response Plan Implementation

Dust control measures will be implemented by the Contractor throughout the project. At a minimum, the contractor must meet all applicable dust emission regulations and the project 8-hour time weighted average and 5-minute instantaneous dust monitoring criteria.

2.1.1 General Dust Control Measures

- During response actions, the site will be misted or sprayed with water by a water truck as often as needed to prevent formation of dust.
- A speed limit of no more than 10 miles per hour will be used on the Site.
- Drop heights of soil will be kept to a minimum. As soil is loaded in trucks and stockpiled, water will be applied if minimizing the drop heights does not prevent the formation of dust.
- Decontamination of vehicle tires that come into contact with contaminated soil will be performed prior to exiting the Site or entering a clean zone. See Appendix A for decontamination procedures.
- Throughout soil off-hauling activities adjacent streets, both on-Site and off-Site, will be inspected at least three times per day including once at the end of the shift and, if necessary, will be swept using a vacuum street sweeper.
- If wind speeds exceed 20 miles per hour for more than 15 minutes or if dust control measures are not able to prevent visible dust emissions, soil moving activities will be ceased until wind speeds decrease and no visible emissions are observed.
- To minimize dust emissions, water or soil stabilizers will be applied to all unpaved access roads, parking areas, and staging areas at the Site as needed.
- All bins of impacted soil will be covered with weighted plastic sheeting or tarp at the end of each work day and on days, such as weekends and holidays, when excavating and

backfilling activities are not being conducted.

- Trucks off-hauling impacted soil will be covered with tarps prior to departure to prevent the release of dust once the trucks exit the Site. All non-hazardous waste (e.g., general trash, concrete, asphalt, rock, etc.) will be transported and disposed of in accordance with all applicable laws and regulations.

- A stabilized construction entrance/exit will be constructed and used for any unpaved access.

2.1.2 Stockpile Dust Control Measures

Contractors shall use the following measures to manage on-Site stockpiles:

- Silt fencing, hay bales, straw rolls, visqueen covers, or other BMPs shall be implemented and maintained as necessary to control storm water run-on or runoff from all stockpiles, as specified in the Site Storm Water Pollution Prevention Plan (SWPPP). At a minimum, stockpiles shall be covered or stabilized with a non-toxic chemical soil binder acceptable to ACHCSA prior to inclement weather.

- Construction debris (if encountered) shall be removed from the excavated soil and stockpiled separately for off-Site disposal.

2.2 Dust Control Measures for Stockpiled Soil

Additional dust control measures and stockpile inspections are listed below and will be implemented to address stockpiles in the event unknown impacted soil is encountered during Site grading activities.

- Stockpiled soil will be securely covered with weighted plastic sheeting or tarps.

- In the event that the stockpile covering deteriorates or sustains damage during storage, the Contractor will be responsible for recovering and securing the stockpiles.

- ACHCSA may inspect the stockpiles at any time during the storage period.

3.0 CONTINGENCY MEASURES FOR DUST CONTROL

Upon observation of visible dust at the Site perimeter, the Contractor will immediately cease dust generating activities. Before resuming work, the Contractor must increase and/or revise dust control measures to the satisfaction of the LMC Representative. These measures may include: increasing the magnitude and frequency of dust control measures, the addition of a favorable reviewed dust reducing compound, and/or to use water to control dust. If weather conditions warrant further dust control measures, the Contractor may employ additional dust control fabrics, windscreens, and enclosures for transport loading operations.

4.0 CONTINGENCY MEASURES FOR ODOR CONTROL

Odorous soil is not anticipated to be present at the Site based on the known conditions of the Site. However, if such odorous soil is encountered, or complaints by the Contractor, the LMC Representative, regulatory agencies, air pollution control authorities, or nearby commercial occupants indicate the need for odor control measures, the Contractor will implement odor control measures. Odor control measures employed by the Contractor may include:

- Applying water containing an odor suppressant as needed.
- Using plastic sheeting or soil to cover odorous open pits, exposed sidewalls, or stockpiles to prevent further release of odors.

5.0 REFERENCES

GeoSolve, Inc., November 6, 2015. Phase I Environmental Site Assessment at 1750 and 1810 Webster Streets and 301 19th Street in Oakland, California. ***GeoSolve, Inc.*** Project No. 2015-29.