



**Weber, Hayes & Associates**  
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# Remedial Action Completion Report (McGregor Skate Park Development)

January 31, 2023



*Subject Site:*

**McGregor Skate Park**

1560 McGregor Drive  
Capitola, California

PROJECT #: 2x432

*Prepared for:*

**County of Santa Cruz Health Service Agency**

c/o: John Gerbrandt

701 Ocean Street, Room 312  
Santa Cruz, California

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## 1.0 EXECUTIVE SUMMARY

This *Remedial Action Completion Report* has been prepared on behalf of the City of Capitola Public Works Department (the City) describing the remedial action tasks completed at McGregor Park – 1560 McGregor Drive, Capitola (the “Site”; see location Map, Figure 1). This work was completed in accordance with a regulatory approved *Amended Remedial Action Plan* (RAP), which summarized a site-wide investigation of shallow soils containing elevated levels of contaminants of concern (i.e., Lead and Arsenic). The RAP established a remedial action objective and outlined required remedial tasks (Weber, Hayes and Associates, 2016).

Weber, Hayes and Associates was contracted to implement the selected remedial action which included:

- Limited excavation and off-site disposal of three “hot spot” zones impacted with Lead or Arsenic.
- Encapsulation of on-site soils in select areas with concrete, asphalt, or 2-feet of clean fill material emplaced over separation fabric.
- Additional, regulatory-approved deviations from the RAP based on conditions encountered in the field and park design changes.

On behalf of the property owner, we respectfully request issuance of a *No Further Action* letter for this remediated property based on:

- Confirmation sampling results from “hot spot” excavations,
- The installation of a protective “cap” on specifically targeted areas across the property, and
- The recording of a *Site Environmental Management Plan* and *Land-Use Covenant*,

## 2.0 BACKGROUND

Historical air photos indicate that the Site was part of an orchard prior to approximately 1964, when it appears that the Site was built up with soils generated from nearby, large-scale earthmoving activities at the Park Avenue interchange and Highway 1 construction interchange. Since that time, the flat-lying Site has been used as a parking lot and a periodic staging area for City Public Works street projects.

The Amended Remedial Action Workplan (RAP) for this commercially-zoned parcel was completed in tandem with City planning department-approved redevelopment of the site as a multi-use park (i.e. McGregor Park). The 58,000 ft<sup>2</sup> area redeveloped into a park is a rectangular area situated along the northern portion of a larger 181,000 ft<sup>2</sup> parcel owned by the City. The park has been built with an above-ground “pump track” consisting of bike jumps, a skateboard park, a dog run, and an asphalt parking area (See Figure 2).

The RAP outlined the history of contaminant discovery, characterization of impacts, evaluation of remedial alternatives, and selected remedial action. Two contaminants of concern (i.e., lead and arsenic) were present on-site at concentrations in exceedance of either residential, risk-based screening thresholds (80 milligrams per kilogram [mg/kg] for lead) or site-specific naturally occurring background

concentrations (4.0 mg/kg for arsenic). The goal of the RAP was to reduce, minimize, or eliminate potential exposure of park users to the contaminants of concern detected on-site that may pose an unacceptable human health risk.

The RAP concluded that limited excavation with off-site disposal plus encapsulation was the most reasonable and cost-effective remedial option because it is:

- Protective of human health
- Effective over both the short and the long term
- Incorporated park design and is relatively cost effective.

The following sections describe the specifics related to the selected remedial alternative.

### **3.0 REMEDIAL SOIL EXCAVATION, ENCAPSULATION, AND TIMELINE**

#### **3.1 Remedial Action Overview**

Remedial activities were comprised of two components, 1) excavation and off-site disposal and 2) encapsulation. Specifically:

##### ***3.1.1 Excavation & Off-Site Disposal of Lead and Arsenic-Impacted Soil***

Lead-Impacted Areas (Figures 3 & 4): Elevated lead concentrations exceeding the residential, risk-based Environmental Screening Limit of 80 mg/kg were removed and backfilled with clean imported fill soils in two, isolated areas. The impacted soils had an aerial footprint of approximately 1,835-ft<sup>2</sup>.

- Lead impacted zone 1 (centrally located) was excavated to a depth of 2 feet below ground surface (bgs) and back-filled with clean imported fill following confirmation sampling results.
- Lead impacted zone 2 (western area) was excavated to depths ranging from 1 to 4 ft bgs and back-filled with clean imported fill following confirmation sampling results.

Arsenic-Impacted Areas (Figures 3 & 4): Elevated Arsenic concentrations were excavated from an approximately 7,700 -ft<sup>2</sup> footprint in the dog run area which contained the Site's four highest detections of arsenic. Clean fill material was imported to replace the excavated material. Following excavation, successfully reduced site-wide arsenic concentrations in the non-capped area of the park (i.e., the dog-run) to below the remedial action objective/ background concentration of 4.0 mg/kg.

##### ***3.1.2 Encapsulation (Figure 2)***

The Skate Park construction plans were incorporated approved cap materials in the parking area (asphalt), skate park (concrete/asphaltic concrete), and bike pump track (2 feet of clean fill), to provide an effective barrier between receptors (recreational users of the park) from underlying low-concentration Arsenic in soil that exceed the local background concentration of 4.0 mg/kg.

## 3.2 Completed Remedial Action Timeline

### 3.2.1 Excavations

Lead “Excavation I” Timeline (2015):

- April 13: Excavation of lead impacted soils started. Spoils are stockpiled on the property and the excavation area is fenced in. Confirmation samples collected within lead excavation footprint.
- April 17: Excavation area back filled with imported clean soil after Santa Cruz County Health Services Agency approval.

Lead “Excavation II” Timeline (2016):

- February 23: Excavation area delineated with flags and paint.
- February 26: *Amended Remedial Action Plan* approved by Santa Cruz County Health Services Agency (SCC-HSA)
- February 26: On-site stockpile sampled for landfill approval.
- March 3: Excavation of lead impacted area begins. Large portions of lead excavation area contained asphalt chunks (separated from soils and sent to an asphalt recycler). Based upon the extent of asphalt, a revised sampling plan was proposed to SCC-HSA and executed.
- March 8: SCC-HSA inspects the lead excavation and requests additional samples from the sidewall and base of the excavation. In addition, the SCC-HSA requests slight modification of excavation boundaries to more closely mirror the remedial action plan. New excavation limits



enacted, and additional requested soil samples were collected and sent to state certified laboratory.

- March 10: Results of lead excavation confirmation samples collected from the sidewalls and base of excavation indicate no exceedances above conservative environmental screening levels (i.e., 80 mg/kg).
- March 15 to 16: Lead impacted excavation is back-filled with clean soil.

#### Arsenic Excavation (Dog Park) Timeline (2016):

- February 23: Excavation area is delineated with flags and paint
- February 26: *Amended Remedial Action Plan* is approved by SCC-HSA
- March 8 to 10: Excavation of arsenic area is complete with the limits approved by SCC-HSA inspector.
- March 15 to 16: PetroMat™ fabric is laid over native soil. Two (2) ft of imported clean fill is emplaced to encapsulate and bring the site back to grade.

#### Pump Track Excavation Timeline (2016):

- March 17 to 23: Area that underlies the “pump track” is covered with PetroMat™ fabric. Two feet of clean fill is imported and compacted to grade (see photo below)





### **3.2.2 Encapsulation**

#### Parking Lot/Seating Node Capping Timeline (2016):

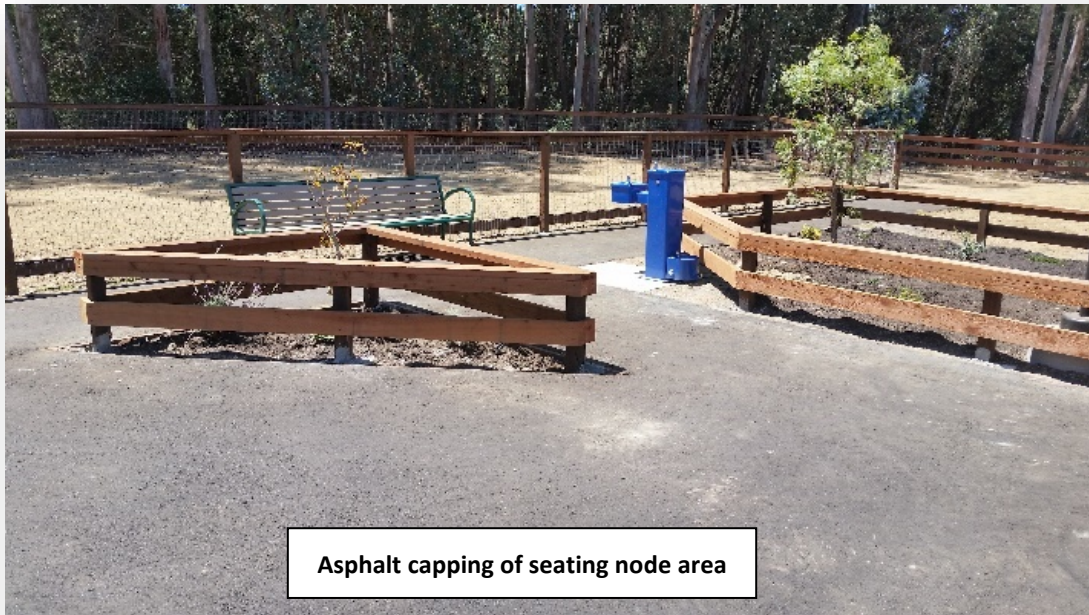
- March 25-31: Sitting Node and Parking lot areas are prepared for asphalt paving with PetroMat™ fabric.
- March 29: Sitting Node paving is completed.
- April 4: Parking Lot paving is completed.

#### Skate Park Capping Timeline:

- June 11, 2015: Concrete ramps are installed on the site.
- May 15, 2016: Concrete bottom is installed to completely cover ground and connect ramps.

#### Pump Track Capping Timeline (2016):

- March 17 to 23: Area that underlies the “pump track” is covered with PetroMat™ fabric. Two feet of clean fill is imported and compacted to grade.
- August 1: Additional clean quarry soil imported for pump track creation
- August 3: Pump track completed.



### 3.3 Remedial Action Fieldwork and Laboratory Results

The park construction design was engineered to incorporate the required tasks described in the RAP. Experienced field staff from Weber, Hayes, and Associates managed the remedial activities associated with the project, including determining the final limits of the excavations. Earthwork activities were monitored visually using windsocks and flagging to gauge wind speed and prepare the site for dust control. Soils were wetted as necessary to prevent visible dust drift and earthworks were halted if wind gusts exceeded 15 mph. Gloves were always used when handling soils.

All soil removal, stockpiling, and truck loading work was conducted using heavy equipment (e.g. excavators, backhoes). Approximately 1,050 tons of Arsenic and Lead impacted soil was transported to a Class III landfill using tarped end dumps truck-trailers (see Appendix A for disposal documentation).

Confirmation sampling was collected in accordance with SCC-HSA guidelines<sup>1</sup> from the excavation base (one sample every 400 ft<sup>2</sup>) and sidewalls (one sample every 20 lateral feet). No park development activities occurred until the confirmation sample results were submitted to SCC-HSA and agency staff concurred that the remedial excavation is complete.

Note: The replacement fill import used for the bicycle pump track cap and dog park excavation were obtained from the closest quarry to the subject Site (i.e., Olive Springs Quarry, <http://www.olivespringsquarry.net/>). Olive Springs Quarry is located 8 miles from the subject site, and

<sup>1</sup>: County of Santa Cruz Health Services Agency (Environmental Health) guidelines: *Site Mitigation Program Standards*, rev Aug-2010: < <http://scceh.com/eh/hm/HM08100.pdf> >



it generates their bank run soil and base products directly at this locale facility, so their replacement fill is considered virgin (unimpacted by urban land uses). Olive Springs Quarry has been providing fill material to Santa Cruz County residents from this location for over 50 years. A sample of newly-mined, virgin fill material was obtained directly from a stockpile at the base of the quarry face, and was tested by a California-certified laboratory (BC Laboratories, Inc.) to confirm that these replacement soils do not contain excessive, naturally-occurring concentrations of arsenic. The laboratory result of the virgin fill was 1.2 milligrams per kilogram (mg/kg), which is well below the subject site's background arsenic threshold of 4 mg/kg.

The design included the excavation of three "hot-spots" and the encapsulation of the parking lot, skate park, walkways, and seating node with a minimum of 2-inches of asphalt/concrete over compacted base rock. The pump track was encapsulated with at least 2 feet of clean fill material emplaced over a PetroMat™ fabric. The fabric delineates the barrier between imported clean fill and underlying soils. Each remedial area is discussed in detail below:

### ***3.3.1 Pump Track Area (Figure 2)***

A select portion of the western toe of the pump track was impacted by lead contamination (lead zone II – results ranging from 140 to 520 mg/kg). Remedial excavation, under the oversight of Weber, Hayes and Associates field staff and SCC-HSA inspectors, included removal of a 55-foot by 22-foot area and disposal of soils to Marina Landfill. Confirmation soil sampling was completed at a total of 14 base and side wall locations (see Figure 3). Results indicated all lead confirmation soil sample results were detected below the residential Environmental Screening Level of 80 mg/kg.

The bike pump track area was lined with a PetroMat™ separation fabric and encapsulated with 2 feet of imported soil (~13,000 ft<sup>2</sup>).

### ***3.3.2 Skate Park (Figure 3)***

A select portion of the skate park was impacted by lead contamination (lead zone I – with a result of 120 mg/kg). A previously documented remedial excavation was completed in May 2015 in preparation for skate park construction. The previously approved excavation measured to be approximately 25 feet by 25 feet by 2 feet deep. Approximately 64 tons of soil were excavated and off hauled for disposal at Marina Landfill. A total of six base and sidewall samples confirmed that lead concentrations were detected below residential environmental screening levels.

The skate park was encapsulated with a minimum thickness of two inches of concrete over compacted fill material on May 15, 2016.

### ***3.3.3 Dog Run Area (Figure 3)***

The dog run area was excavated to a depth of 2 feet below ground surface within a ~7,700 ft<sup>2</sup> footprint that surrounded impacted sample locations containing elevated Arsenic concentrations. The limits of the excavation were based on the nearest sample location with a concentration of arsenic below the

clean-up goal of 4.0 mg/kg. ProUCL calculations completed in the RAP indicated the removal of this ~570 yd<sup>3</sup> hotspot reduced the UCL-95% for Arsenic in the dog park from 15.81 mg/kg down to 3.81 mg/kg.

Remedial excavation activities took place between March 8 to 10, 2016. PetroMat™ fabric was installed between March 15 to 16, 2016 at the base of the excavation, and 2 feet of imported soils were emplaced and compacted to bring the excavation area up to grade.

### **3.3.4 Parking Lot and Walking Path Area (Figure 2)**

March 25-April 5, 2016: The ~10,600 ft<sup>2</sup> parking lot footprint was installed with a PetroMat™ fabric separation marker and capped with at least 4 inches of compacted base rock and 2 inches of asphalt.

### **3.3.5 Remaining Areas**

The site perimeter is fenced and pathways throughout the park are encapsulated by asphalt or imported clean fill. All landscaped areas have a minimum of two feet of clean, imported fill and have been fenced in for limited access.

Because some residual contaminants remain at concentrations exceeding cleanup goals (albeit under conditions that are completely protective of human health and safety), a *Land Use Covenant* (deed restriction) that runs-with-the-land is required to document existing conditions and future soil management obligations. The *Land Use Covenant* includes a requirement that the thickness of the fill cover be regularly checked and maintained as necessary to provide the protective cover that serves to eliminate potential exposure to any underlying arsenic- and/or lead-impacted soils.

A *Soil Management Plan* (SMP) and *Land Use Covenant* (deed restriction) are separately submitted documents that have been developed to document existing conditions and future soil management obligations.

## **4.0 CONCLUSIONS**

Work tasks described in this report were completed in accordance with a regulatory approved RAP. Specifically, tasks included:

- Limited excavation and off-site disposal of three “hot spot” zones impacted with Lead or Arsenic.
- Encapsulation of on-site soils in select areas with concrete, asphalt, or 2-feet of clean fill material emplaced over separation fabric.
- Additional regulatory approved deviations from the RAP based on conditions encountered in the field and based on park design changes.

It is our professional opinion that human health and safety risk related to historic soil contamination is negligible. We respectfully request this case be granted closure and an accompanying *No Further Action* letter. This opinion and case closure request is based on.

1. Confirmation sampling results from “hot spot” excavations;
2. The implemented remedial “cap” protections; and
3. The documentation of the Soil Environmental Management Plan and Land-Use Covenant.


**LIMITATIONS:** Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic principles and practices. This warranty is in lieu of all others, either expressed or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modifications of the opinions expressed herein.

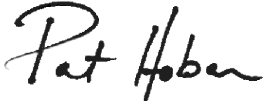
If you have any questions or comments regarding this project, please contact us at our office (722-3580).

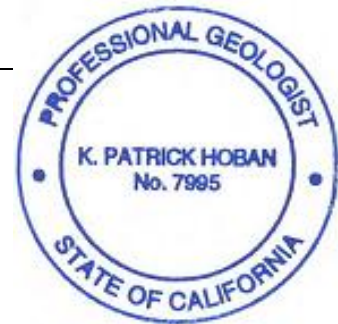
Respectfully submitted,

WEBER, HAYES AND ASSOCIATES

A California Corporation

By:   
\_\_\_\_\_  
Harrison Hucks  
Senior Scientist

And:   
\_\_\_\_\_  
Pat Hoban, PG  
Principal Geologist



## 5.0 REFERENCES

**Santa Cruz County Environmental Health Services (SCC-EHS)** (correspondence regarding 1560 McGregor Drive, Capitola)

(SCC-EHS, 2016), [Reply to Response to Comments and Revised Amended Remedial Action Plan, McGregor Property](#) (GeoTracker Global ID T10000006291), February 26.

(SCC-EHS, 2016), E-mail correspondence: *RE: Additional Information RE: Capitola – McGregor Park: Proposed Plan for Additional Limited Excavation and Soil Reuse*, April 7.

**Thomas Harder & Co. (TH&Co)** (submittals regarding 1560 McGregor Drive, Capitola)

(Thomas Harder, 2016), [Opinion Regarding Soil Reuse for McGregor Community Park Development Property](#), (GeoTracker Global ID T10000006291), 1560 McGregor Drive, Capitola, California. April 7.

**Weber, Hayes and Associates (WHA)** (submittals regarding 1560 McGregor Drive, Capitola)

(WHA, 2016), *Amended Remedial Action Plan, McGregor Community Park Development Property*, February 2016.

(WHA, 2016), *Proposed Additional Limited Excavation & Soil Reuse in Pump Track Area, McGregor Property*, March 15.

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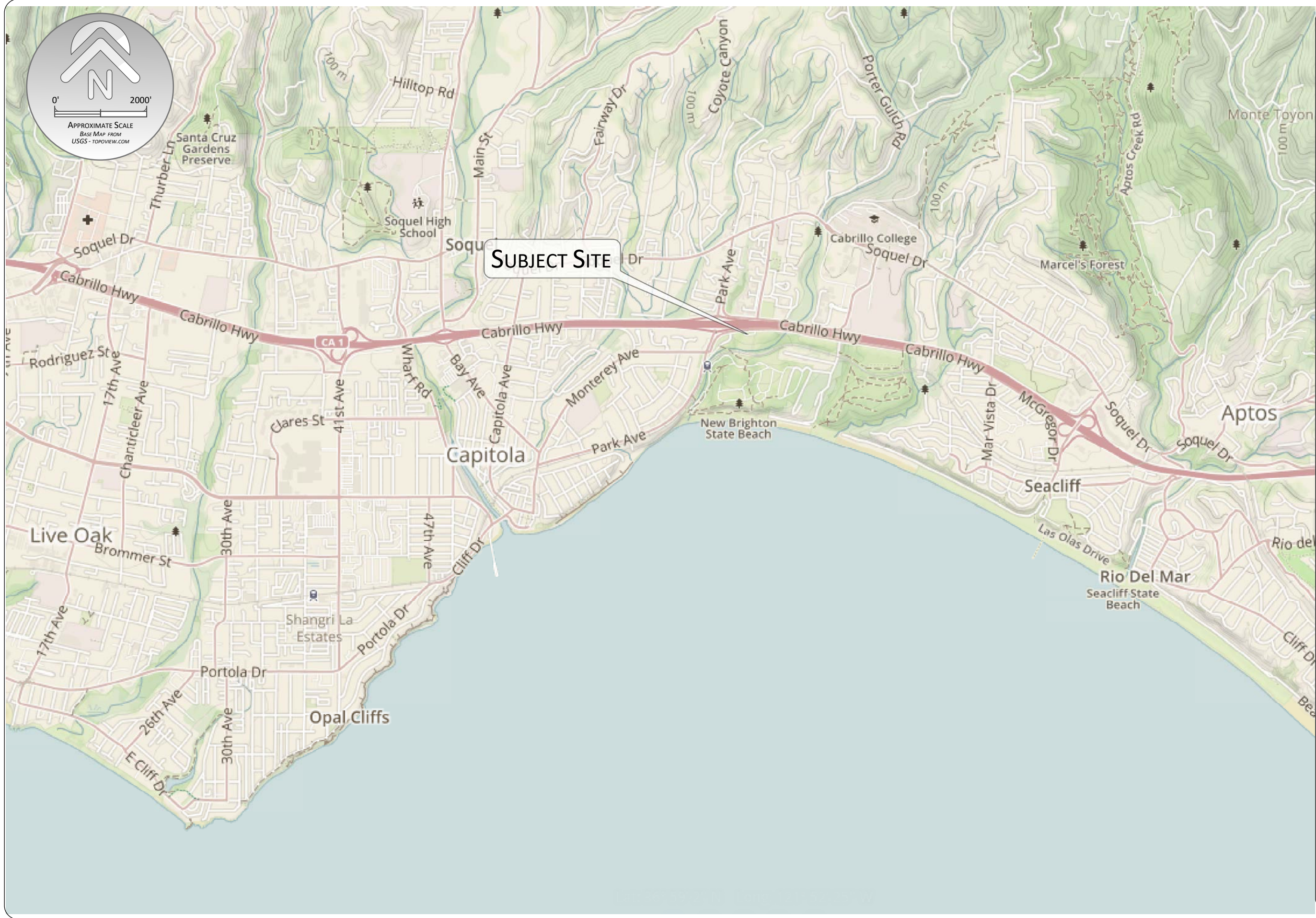
**FIGURES**

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**Figure 1: Location Map**

**Figure 2: Site Map Showing Protective Cap Coverage Area**

**Figure 3: Excavation Locations and Confirmation Soil Sample Analytical Results**



**LOCATION MAP**  
**REMEDIAL ACTION COMPLETION REPORT**

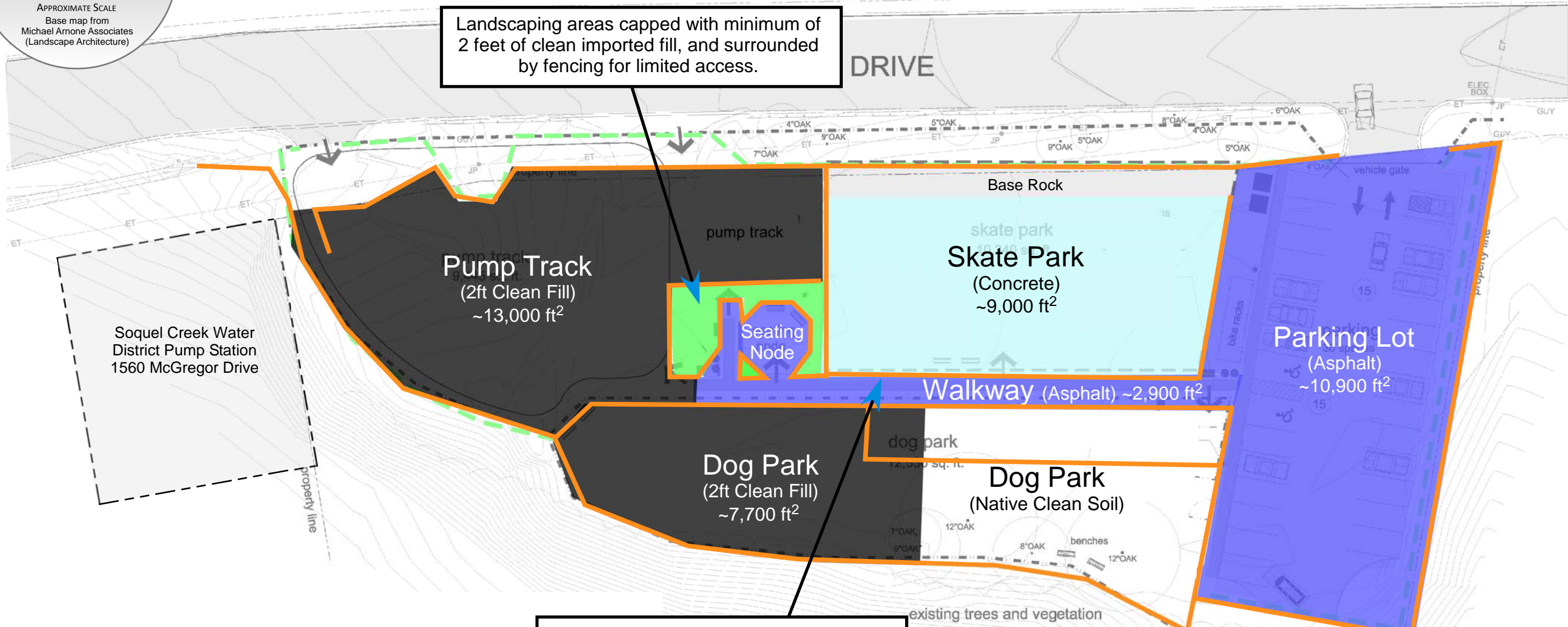
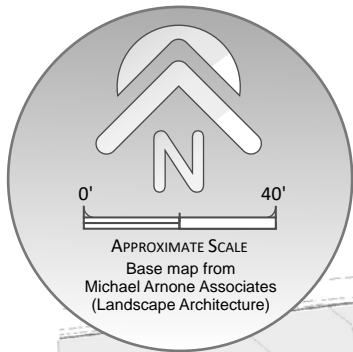
**FIGURE 1**  
 Project 2X432

SITE: MCGREGOR COMMUNITY PARK  
 ADDRESS: 1560 MCGREGOR DRIVE, CAPITOLA CA

DATE: MAY 2020      REVISIONS/NOTES:








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Skate park capped with minimum of 2 inch thick cement layer.

**Explanation**

-  = 2 feet of Arsenic impacted soil excavated, off-hauled, and replaced with 2 feet of clean fill. Delineation fabric installed at base of clean (2 ft bgs)
-  = Reinforced concrete cap over compacted fill
-  = Delineation fabric separates native soil from 4 inch base rock & 2 inch thick asphalt cap over compacted fill. Includes parking lot & walkway
-  = Landscaping area capped with 2 feet of imported clean fill.
-  = Fencing

**SITE MAP - PROTECTIVE CAP COVERAGE AREA**

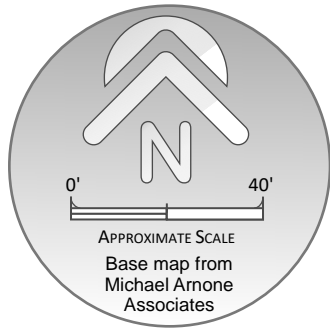
**FIGURE 2**  
Project 2x432

SITE: MCGREGOR PARK DEVELOPMENT  
ADDRESS: 1560 MCGREGOR PARK DRIVE, CAPITOLA, CA

DATE: MAY 2020 REVISIONS/NOTES:



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### Lead Excavation I

May 2015

#### Base Samples

BS-1 = (5.9)

BN-1 = (3.7)

#### Side Wall Samples

NSW-1 = (3.5)

WSW-1 = (4.8)

ESW-1 = (5.1)

SSW-1 = (5.3)

Elevated Lead Concentrations  
(removed May 13, 2015)  
~25-ft x 25 ft x 2 ft depth

### Lead Excavation II

March 2016

#### Base Samples

B-F-6 = (16)

B-F-5 = (4.6)

B-S-49 = (4.1)

B-S-49W = (36)

#### Side Wall Samples

SW-1 = (7.2)

SW-2 = (9.1)

SW-3 = (17)

SW-4 = (51)

SW-5 = (19)

SW-6 = (37)

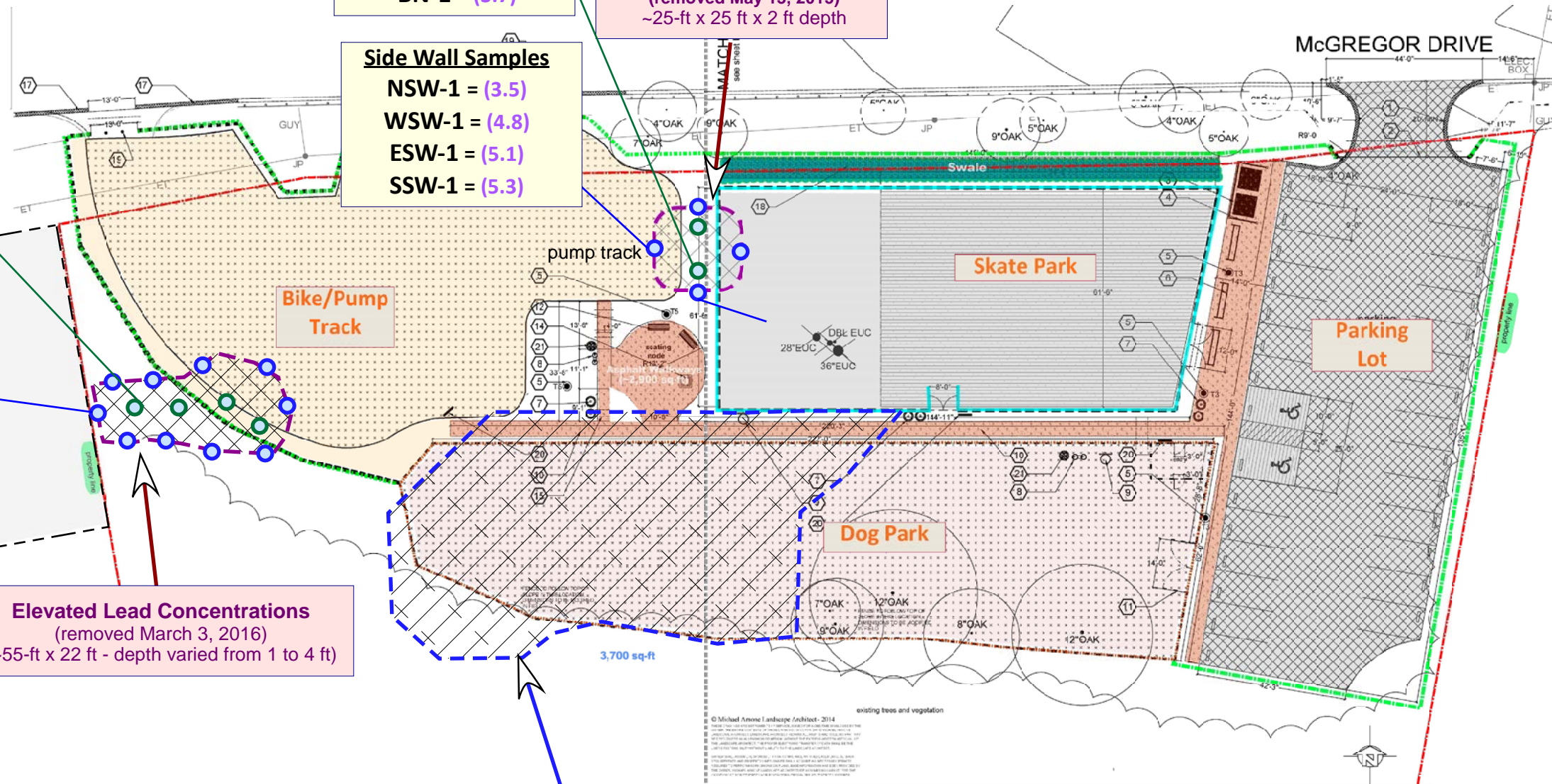
SW-7 = (52)

SW-8 = (34)

SW-9 = (14)

SW-10 = (5.5)

Elevated Lead Concentrations  
(removed March 3, 2016)  
(~55-ft x 22 ft - depth varied from 1 to 4 ft)



“Hot Spot” Removal of Soil Having Elevated Arsenic Concentrations  
Area = 7,700 sq-ft x 2-ft  
Volume = ~570 cu-yd (~800 tons)

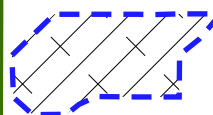
### Explanation



**Lead Excavation 1** - May 13, 2015 - Approximately 45 cu. yds. were removed and off-hauled to Marina Landfill.



**Lead Excavation 2** - March 3, 2016 - Approximately 100 cu. yds. were removed and off-hauled to Marina Landfill.



**Arsenic Excavation** - March 15, 2016 - Approximately 570 cu. yds. of soil containing the highest Arsenic hits were removed and off-hauled to Marina Landfill. Overall Upper Confidence Limit of Arsenic reduced to below the background concentration of 4.0 mg/kg.

Results in milligrams per kilogram (mg/kg). See Table 1 for additional detail.

## EXCAVATION LOCATIONS & CONFIRMATION SAMPLE RESULTS

**FIGURE 3**  
Project  
2x432

SITE: MCGREGOR PARK DEVELOPMENT  
ADDRESS: 1560 MCGREGOR PARK DRIVE, CAPITOLA, CA

DATE: FEBRUARY 2020

REVISIONS/NOTES:



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**TABLES**

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**Table 1: Confirmation Soil Sampling Results—Lead Analysis**

**Table 1: Confirmation Soil Sampling Results for Lead**

**Lead Analysis**

**1560 MrGregor Drive, Capitola**

*All soil results are in milligrams per Kilogram (mg/Kg)*

<b>Sample Information</b>		<b>Results</b>
<b>Excavation Date &amp; Location</b>	<b>Sample ID</b>	<b>Lead</b>
<p style="text-align: center;"><b>Lead Excavation II</b>                      March 2016                      Along the far western slope</p>	B-F-5	16
	B-F-6	4.6
	B-S-49	4.1
	B-S-49W	36
	SW-1	7.2
	SW-10	5.5
	SW-2	9.1
	SW-3	17
	SW-4	51
	SW-5	19
	SW-6	37
	SW-7	52
	SW-8	34
	SW-9	14
<p style="text-align: center;"><b>Lead Excavation I</b>                      April 2015                      Centrally located between skatepark and pump track.</p>	BN-1	3.7
	BS-1	5.9
	NSW-1	3.5
	WSW-1	4.8
	SSW-1	5.3
	ESW-1	5.1
<p><b>Environmental Screening Levels (ESLs) <sup>(1)</sup></b></p> <p style="text-align: center;">Residential or Commercial Land Use</p>		<p>80 / 320 (160)</p>
<p><b>DTSC-Modified Screening Levels <sup>(2)</sup></b></p> <p style="text-align: center;">Residential or Commercial Land Use</p>		<p>80 / 320</p>

**Table 1: Confirmation Soil Sampling Results for Lead**

**Lead Analysis**

**1560 MrGregor Drive, Capitola**

*All soil results are in milligrams per Kilogram (mg/Kg)*

<b>Sample Information</b>		<b>Results</b>
<b>Excavation Date &amp; Location</b>	<b>Sample ID</b>	<b>Lead</b>

**Notes**

**BOLD =** Exceedance of residential environmental screening level

**1 = Environmental Screening Levels (ESLs):** Regional Water Quality Control Board (San Francisco Bay Region) guideline document: *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater* (Final version, 2019). The ESLs are intended to provide quantitative risk-based guidance on whether further assessment or remediation of contamination is warranted  
[https://www.waterboards.ca.gov/sanfranciscobay/water\\_issues/programs/ESL/new/ESL\\_Summary\\_Tables\\_24Jan19\\_Rev1.pdf](https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/new/ESL_Summary_Tables_24Jan19_Rev1.pdf)

**2 = CA DTSC Soil Screening Levels:** From the California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note Number 3, Table 1, April 2019. **If no DTSC screening level is established then the corresponding US EPA RSL is provided.**

**US EPA Region 9 Soil Regional Screening Levels (RSLs):** From [US EPA Regional Screening Levels for Soil](https://semspub.epa.gov/work/HQ/199626.pdf) (https://semspub.epa.gov/work/HQ/199626.pdf), last updated November-2019 using the Summary Table [based on Carcinogenic Target Risk (TR) =1E-6, Noncancer Hazard Index (HI) =1.0].

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**APPENDIX A**

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**Field Documentation**

Field Notes

Photo Sheets

Landfill Documentation

**April 13, 2015: Lead Excavation I Field Notes**



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Text Page 1.2

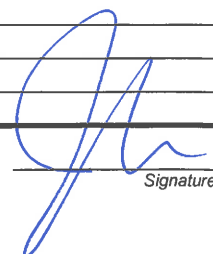
### INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>April 13, 2015</b>
Site Location: <b>McGregor Park Development, McGregor Drive, Capitola, CA</b>	Study #: <b>2X432</b>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Limited Excavation of Lead Impact Soil (Skate Park Post/Footing Installs)</b>	<b>OVERCAST / COOL / BREEZE</b>
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); Michael Greenwald Construction</b>	

### TIME:

0740	ON-SITE → PREP FOR REMEDIAL EXCAVATION → NOTE: ~1 MPH BREEZE w/ UP TO ~3.7 MPH GUSTS
0750	MIKE + TONY (MIKE GREENWALD CONSTRUCTION) ON-SITE w/ EQUIP. FOR EARTHMOVING + MANAGEMENT.
	- Go OVER SSP DURING SITE SAFETY MEETING
	- SET UP PLASTIC SHEETING FOR STOCKPILE @ S.E. SIDE OF SITE
	RIC STRAUSS (EARTHWORKS) > ON-SITE FOR OVERALL PLAN
	ED MORRISON (INSPECTOR OF CAPITOLA) >
	↳ LEAVE SITE
0840	SCOTT CARSON (SC-HSA) CALLS FOR SCH. TODAY FOR INSPECTION
	↳ START EX. IN ~20 MIN + SHOULD BE READY TO SAMPLE @ ~1400
	↳ WILL GIVE ~1-HR NOTICE FOR SAMPLING
	↳ VISUAL DUST MONITORING + WETTING (MISTING) FOR DUST CONTROL
0900	BEGIN EXCAVATION → REMOVE + STOCKPILE (SEPARATELY) THIN (<1" THICK) ASPHALT LAYER SCATTERED AROUND EX. AREA
	→ REMOVE (2) PREVIOUSLY SET FENCE POSTS EXISTING w/IN EX. AREA
	CONTINUE EXCAVATING
1345	CALL SC (SC-HSA) ← 1-HR UNTIL EX. COMPLETE + SAMPLING WILL TAKE PLACE
1445	SC (SC-HSA) ON-SITE → REQUESTS SIDE WALL SAMPLES COLLECTED IN "CORNER" MATERIAL w/ GRAVELS, AS THIS WAS NOTED AS 1' BGS SAMPLE w/ REJ. P.
	FINISH LAST BIT OF EX. TO 2' BGS
1525	SAMPLE EX. FOR CONFIRMATION ANALYSIS OF Pb (SEE MAP ATTACHED)
	(2) BASE → BN-1 (NORTH BASE); BS-1 (SOUTH BASE)
	(4) SIDEWALL → NSW-1 (NORTH SIDEWALL)
	- WSW-1 (WEST " )
	- SSW-1 (SOUTH " )
	- ESW-1 (EAST " )
	} @ ~1' BGS
	PETER DINS (BC LAB COURIER) ON-SITE FOR SAMPLE PICKUP

 4/13/15  
 Signature of Field Personnel & Date



**FIELD COPY** LABORATORY: BC Labs

PROJECT NAME AND JOB #: Capitola Public Works / 2X432  
 SEND CERTIFIED RESULTS TO: Weber, Hayes, & Associates - Attn: Josh Hannaleck  
 ELECTRONIC DELIVERABLE FORMAT:  YES  NO  
 TURNAROUND TIME: 3-Day RUSH 48hr Rush 72hr Rush  
 GLOBAL I.D.: \_\_\_\_\_

Sampler: Josh Hannaleck  
 Date: 4/13/15  
 15-08837

Sample Identification	Date Sampled	Matrix	SAMPLE CONTAINERS			REQUESTED ANALYSIS											
			40 mL VOAs (preserved)	1 Liter Amber	250 mL Preserved	Liner Acetate or Brass	Extraceable as Diesel & Motor Oil by EPA Method 8015B	Total Petroleum Hydrocarbons TPH-Diesel w/ silica gel cleanup by EPA Method 8015M	TPH-GAS by EPA Method GC/MS	Volatiles Organics BTEX, MTBE & Solvents by EPA Method 8200	Semi-Volatiles EPA Method 8270C SIMM	Total Lead (TLLC) EPA Method 8200	Additional Analysis CMR 17 Metals EPA Method 8081	Pesticides (Organophosphorus) EPA Method 8081	HOLD		
BN-1	4/13/15	Soil															
BS-1																	
NSW-1																	
WSW-1																	
SSW-1																	
ESW-1																	

RECEIVED BY: [Signature] DATE & TIME: 4/13/15 16:00  
 RECEIVED BY: [Signature] DATE & TIME: 4/15/15 17:16  
 SAMPLE CONDITION: (circle 1)  
 Refrigerated (circle 1) Refrigerated Refrigerated Refrigerated Refrigerated Refrigerated  
 Frozen Frozen Frozen Frozen Frozen

CHIK BY: DISTRIBUTION  
 [Signature] SUB OUT [ ]

NOTES:  
 1) [Signature] 4/13/15 16:00  
 2) [Signature] 4/15/15 17:16  
 3) \_\_\_\_\_  
 4) \_\_\_\_\_  
 5) \_\_\_\_\_

ADDITIONAL COMMENTS:  
 \* Results are needed by end of business day Wednesday, April 15th.  
 \* Please email Results to: lab@weber-hayes.com & joshua@weber-hayes.com



# Field Sampling Map 4/13/15

McGregor Drive

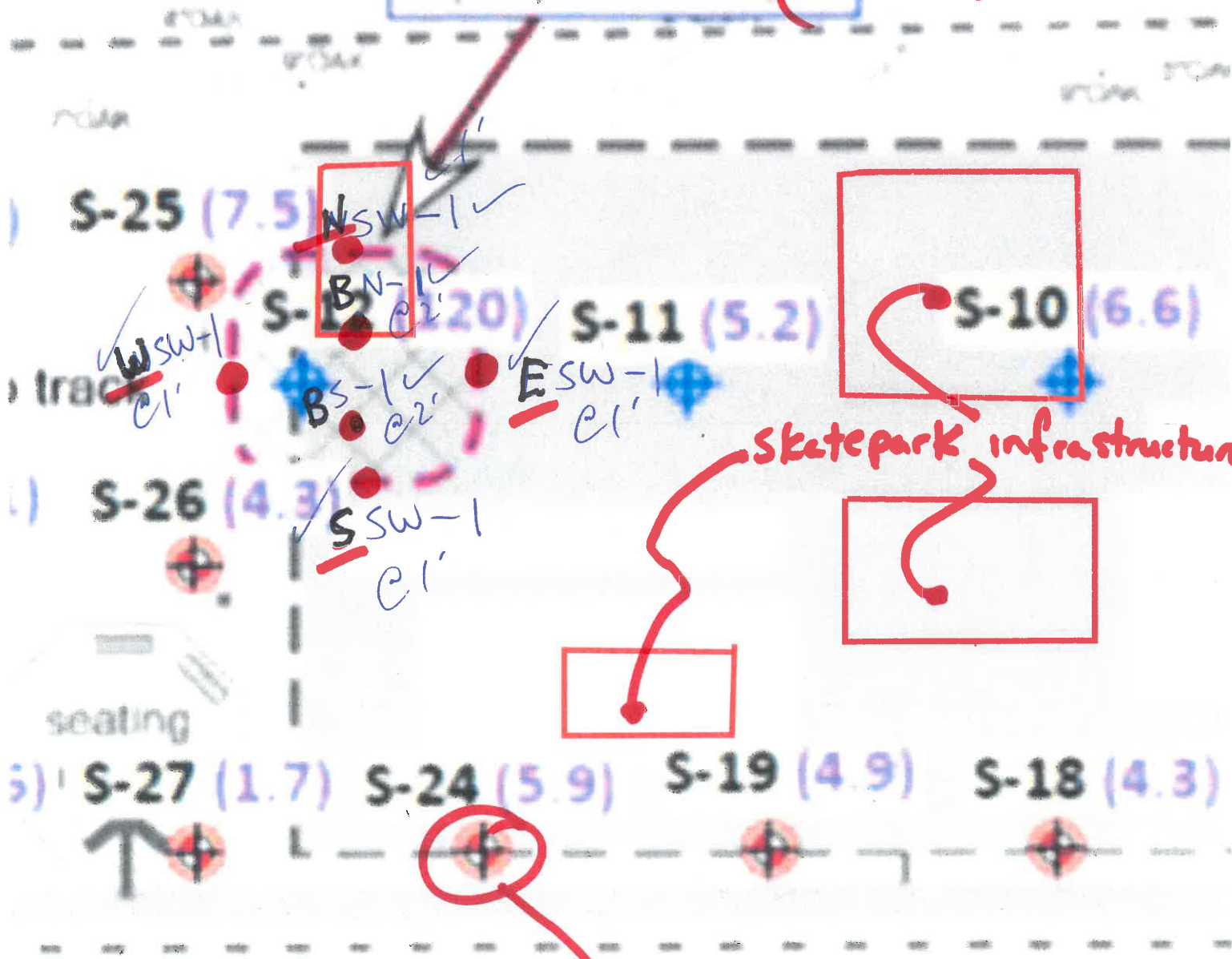
Star  
major  
here

Elevated Lead  
Concentrations  
(~25-ft x 25 ft) (x 2ft DEEP)

Legend

SW = sidewalk @ 1'  
B = base @ 2'

W - West  
S - South  
E - East  
N - North



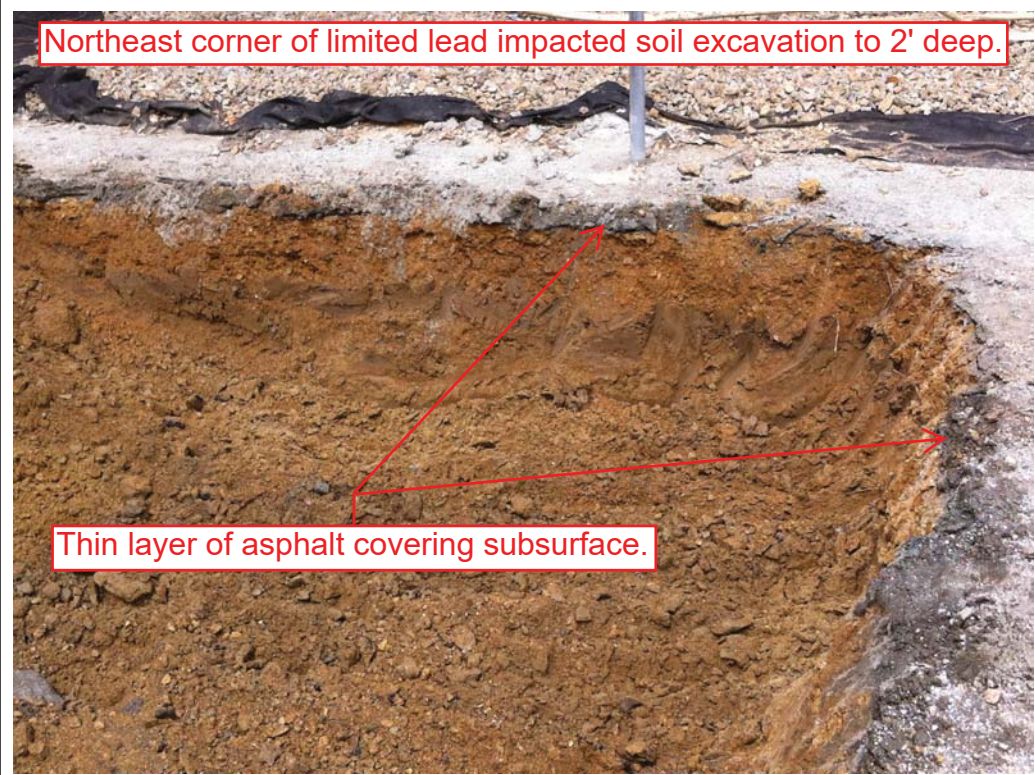
skatepark infrastructure

Previous Shallow  
Soil Sampled

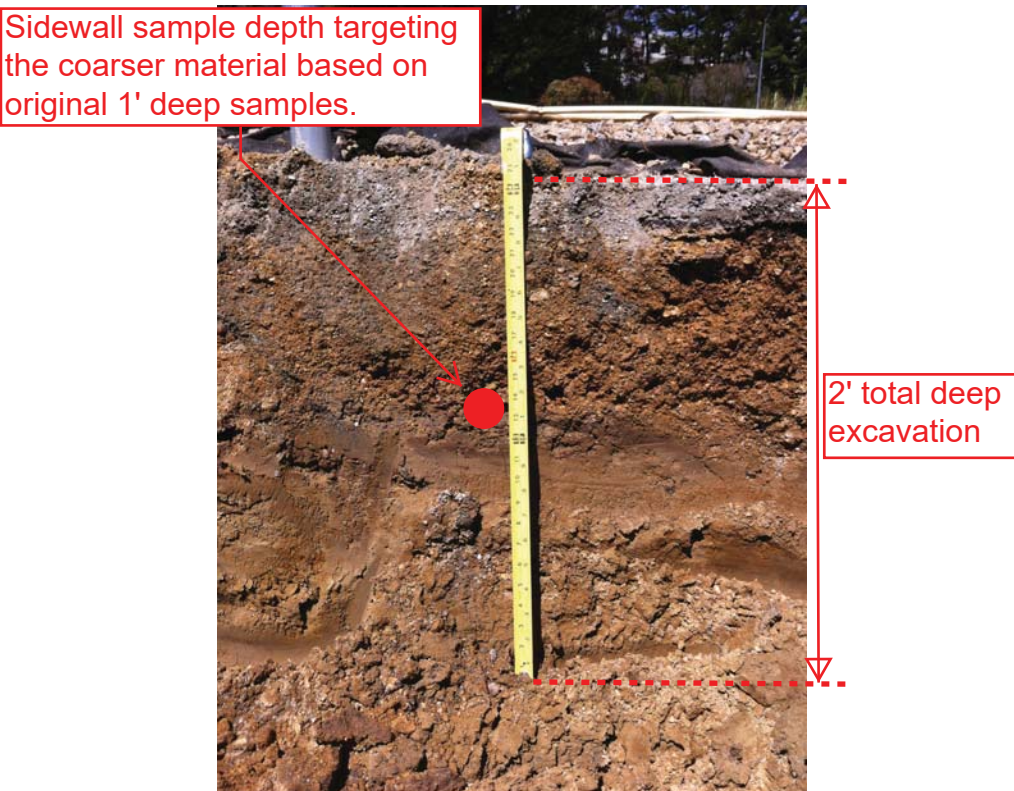
April 13, 2015: Limits of limited lead impacted soil excavation around previous soil sample S-12 with elevated lead levels at 1' deep.



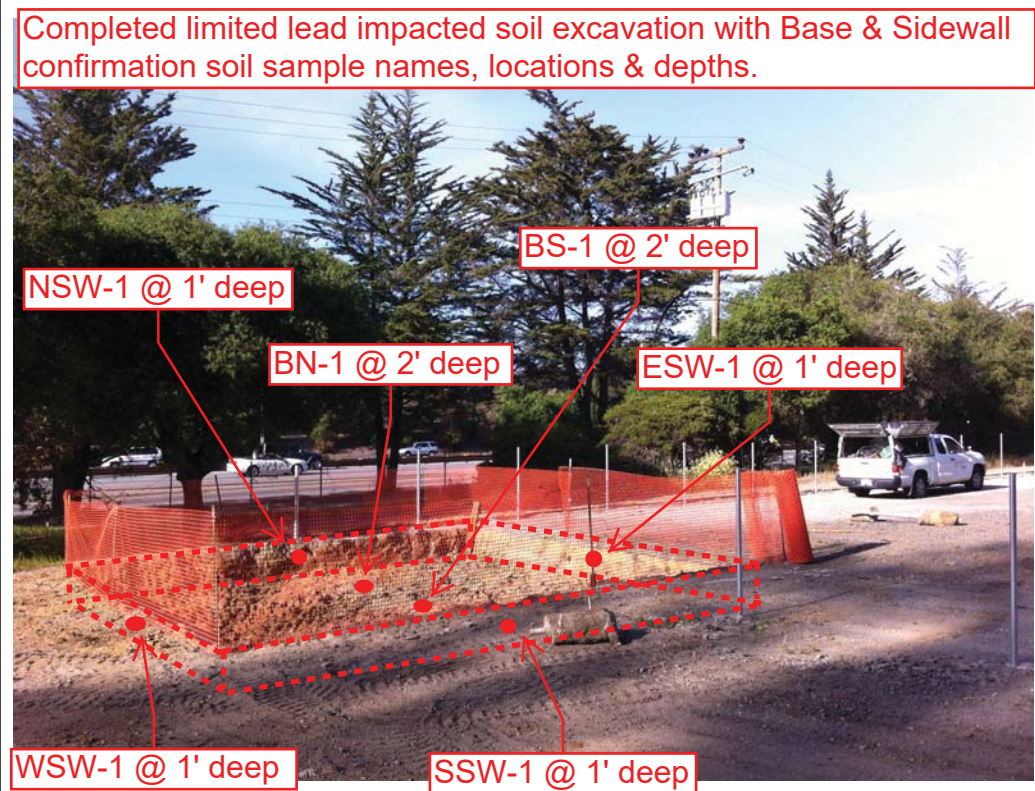
Northeast corner of limited lead impacted soil excavation to 2' deep.



Sidewall sample depth targeting the coarser material based on original 1' deep samples.



Completed limited lead impacted soil excavation with Base & Sidewall confirmation soil sample names, locations & depths.





Dust suppression during excavated lead impacted soil stockpiling on plastic sheeting.



Excavated lead impacted soil stockpile on and covered with plastic sheeting.

## February 26<sup>th</sup>, 2016 – Stockpile Sampling



# WHA

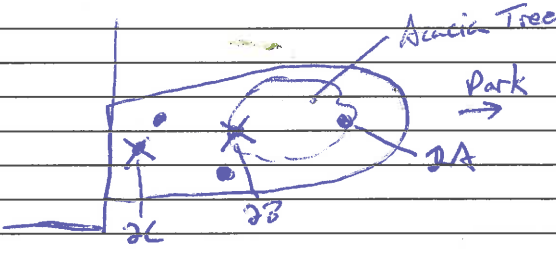
**WEBER, HAYES & ASSOCIATES**  
 Hydrogeology and Environmental Engineering  
 120 Westgate Drive, Watsonville, CA 95076  
 831.722.3580 // www.weber-hayes.com

## INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <u>Capitola Public Works</u>	Date: <u>2/26/16</u>
Site Location: <u>1560 McGregor Park, Capitola</u>	Study #: <u>2x432</u>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input type="checkbox"/> Other (see below):	Weather Conditions: <u>Sunny</u>
Personnel / Company On-Site: <u>Sean Abbey (Weber Hayes)</u>	

## TIME:

10:30	Arrived on site Took photos of current stockpile & uncovered sampling points
10:40	Collected Sample Stockpile 1A <span style="float: right;">Park ←</span>
10:45	Re-covered Stockpile 1A areas
10:50	Collected Sample Stockpile 1B <span style="float: right;">○ 1B ○ 1A Stockpile</span>
11:00	Photographed to be excavated area
11:05	Collected Sample 2A
11:10	Attempted to collect Sample 2B, but asphalt aggregate is highly prevalent. Moved to another area <span style="float: right;"></span>
11:30	Collected Sample 2B
11:40	Moved Sample 2C closer to excavation line to account for sample 2B movement
11:50	Left Site

Signature of Field Personnel &amp; Date



## **March 3<sup>rd</sup>, 2016 – Excavation of Metals Contaminated Soils**



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>March 3, 2016</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Limited Remedial Excavation of Lead Impacted Area #2 - Western Slope</b>	Cloudy / COOL w/ VERY SLIGHT BREEZE
Personnel / Company On-Site: <b>Josh Hannaleck(Weber, Hayes &amp; Associates: WHA); Sean Abbey (WHA); Earthworks (Jim, Luis, Ric)</b>	

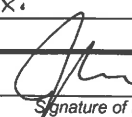
TIME:

0730	ON-SITE → JIM (EARTHWORKS) ON-SITE SETTING UP FOR EXCAVATIONS SA(WHA) ON-SITE → GO OVER SCOPE OF WORK SET UP WIND SOCKS IN (3) AREAS ACROSS SITE FOR WIND/DUST MONITORING
0805	LUIS (EARTHWORKS), RIC STRAUS (EARTHWORKS) ON-SITE HENRY ROSINGER (QUALITY ASSURANCE) ON-SITE → WILL BE CHIPPING/HAULING ANY TREE/LIMBS NECESSARY CONDUCT TAILGATE MEETING / REVIEW SSP
0815	(1 <sup>ST</sup> TRUCK ON-SITE → BEGIN LOADING TRUCK(S) w/ PREVIOUSLY SCREENED STOCKPILE (MCRAE) LEAD IMPACTED SOIL FOR LANDFILL EXCAVATION PLANS: LEAD - SEPARATE ASPHALT CHUNKS (+ STOCKPILE) → HAUL TO ASPHALT RECYCLER - REMOVE BRUSH / SMALL TREES w/ IN EXCAVATION FOOTPRINT - BENCH DOWN TO REACH LOWEST ELEVATION OF EXCAVATION LIMITS @ #2 - EXCAVATE + HOT LOAD TRUCKS TO HAUL TO MARINA
0940	REVISED SCH: LEAD EX. COMPLETE + READY FOR SAMPLES ~ TOMORROW MID-DAY → SCOTT CARSON (SCC-EHS) → UPDATE SCH. - WILL EMAIL WORK PROGRESS @ END OF DAY w/ REVISED SCH. ↳ OK
	ED (CITY OF CAPITOLA - PW) ON-SITE → REVIEWS SCOPE OF WORK ↳ NOTES EARTHWORKS WILL HANDLE ANY BMP'S FOR UPCOMING FORECASTED RAIN
1100	STOCKPILE FROM PREVIOUS LEAD EX. COMPLETELY REMOVED LEAD EXCAVATION COMMENCEMENT → SEGREGATE ASPHALT, CLEAN SOIL OFF, + HAUL TO RECYCLER
1200	CREW TAKES LUNCH → CALL → DAVID RAMIREZ (MARINA LANDFILL) RE: ASPHALT IN SOIL
1230	BACK TO WORK
1400	ASPHALT CHUNKS IN LEAD EX. STILL @ ~ 75-80% → PH(WHA) → DISCUSS REVISED SAMPLING PLAN + EXCAVATION PROPOSAL TO SCC-EHS
1430	→ SC (SCC-EHS) VOICEMAIL RE: ASPHALT IN EX. + REVISED SAMPLE/EX. PLAN ↳ PHOTO DOCUMENT SA(WHA) LEAVES SITE EARTHWORKS COMPLETES SITE HOUSE KEEPING
1545	QUALITY ARBOR CARE CREW ON-SITE TO PROCESS TREES/LIMBS FOR PREP FOR ARSENIC EX.
1620	" " " LEAVES SITE

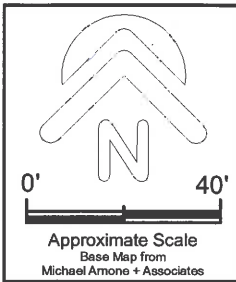
1645 EARTHWORKS LEAVES SITE

1745 LEAVES SITE AFTER BREAKDOWN

SC (SCC-EHS) CALLS TO DISCUSS REVISED Pb EX. #2 FOOTPRINT/DEPTH + ASPHALT SITUATION. BOBEN TO ADJUST. WILL BE ON-SITE TOMORROW TO INSPECT

 3/3/16  
Signature of Field Personnel & Date

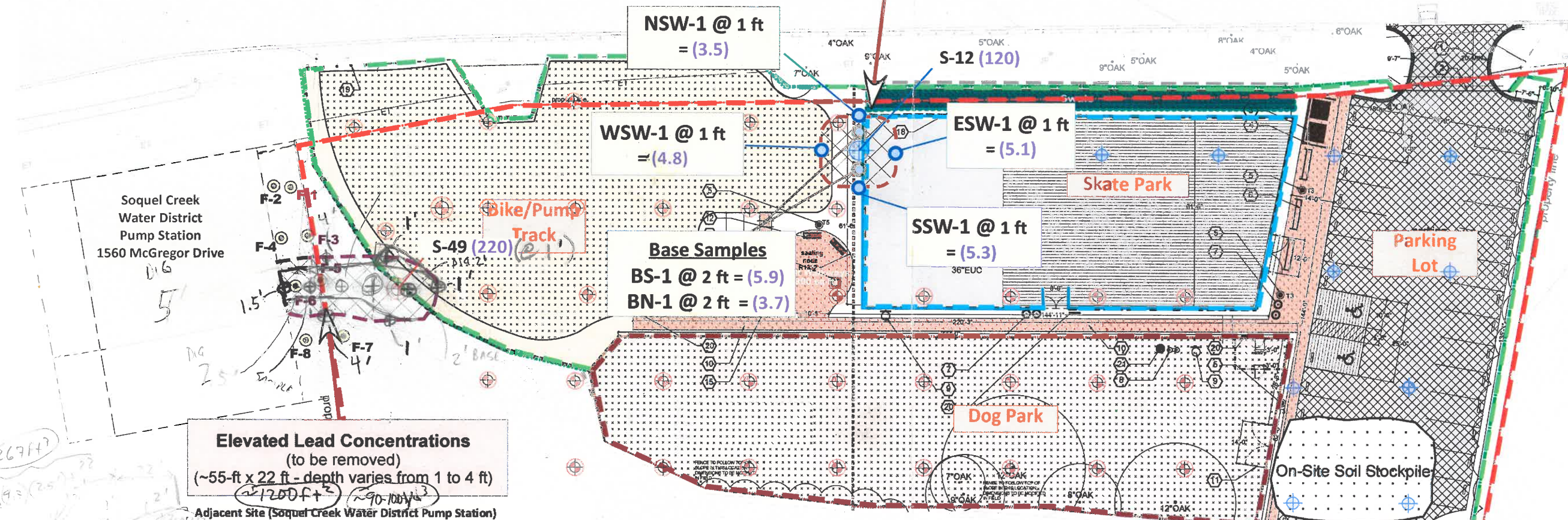




LATERAL EXTENT < = OR  
H2O SAT SAMPLING

**Elevated Lead Concentrations  
(removed May 13, 2015)**  
~25-ft x 25 ft x 2 ft depth

McGREGOR DRIVE



**Elevated Lead Concentrations  
(to be removed)**  
(~55-ft x 22 ft - depth varies from 1 to 4 ft)  
Adjacent Site (Soquel Creek Water District Pump Station)

Preliminary Property Screening Assessment (March-2012)	F-1	3.5	23
	F-2	1.5	10
	F-3	5	20
	F-4	1.5	18
	F-5	4	140
	F-6	1.5	520
	F-7	3	9.6
	F-8	1	16
Laboratory's Practical Quantitation Limit (detection limits)*			0.25 (0.5)
Environmental Screening Levels (ESLs) <sup>1</sup> Residential / Industrial (for Shallow Soils < 10 feet deep)			80 / 320

Base map from  
Michael Amone Associates (Landscape Architecture)

existing trees and vegetation

**Explanation**

- = Soil Sampling Locations in elevated Lead concentrations excavation area
  - = Soil Sampling Locations in areas to be covered by asphalt  
- Spaced on 40-ft Centers (S-1 to S-12)
  - = Soil Sampling Locations in areas to be covered by dirt  
- Spaced on 30-ft Centers (S-13 to S-51)
- ESW-1 (120) = Sampling ID (and detected Lead concentration in mg/kg)**
- Previous Soil Samples (March 2012)  
(collected by the Soquel Creek Water District)**
- Fill-1** - Collected in fill soil (Fill-1 to Fill-8)

All Soil samples shown in this figure were collected at either ~ 1 or 2 feet below ground surface and analyzed for Total Lead by EPA Method 6010 / 6020.

**Figure 4b  
Project 2X432**

**Total Lead Excavation Limits  
and Confirmation Sampling Results**  
McGregor Park Development  
1560 McGregor Drive  
Capitola, California

**Weber, Hayes & Associates**  
Hydrogeology and Environmental Engineering  
120 Westgate Drive, Watsonville, CA  
831.722.3580 / www.weber-hayes.com







Excavation underway. Considerable amount of waste asphalt on hillside.



Excavation area slightly revised to be further from pumping station wall.



Waste asphalt collected and stockpiled for recycling. Covered with plastic while stored onsite to prevent runoff.



After majority of asphalt is removed, the excavation deepens to the plan defined 5ft along the slope, and 2ft on the plateau.







## **March 8<sup>th</sup>, 2016 – Excavation of Metals Contaminated Soils**





# Weber, Hayes & Associates

Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076

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Text Page 1/1

### INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>3/8/16</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions: <b>Mostly Clear / Cold + Calm</b>
<b>Limited Remedial Excavation of Lead Impacted Area #2 - Western Slope</b>	
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); Sean Abbey (WHA); Earthworks</b>	

### TIME:

0745	ON-SITE → EARTHWORKS - JIM + JOSE - ON-SITE EXCAVATORS IN PLACE ↳ INSTALL WIND SOCKS ↳ BIG EX. SETUP @ TOP OF SITE ↳ SMALL EX. SETUP @ BOTTOM FOR Pb EXCAVATION TRUCKS ON-SITE ↳ BIG EX. BEGINS AS EXCAVATION + LOADS TRUCKS FOR LANDFILL DISPOSAL ↳ SMALL EX. DIGS LOWER PORTION OF Pb EX. (IE. AROUND SAMPLE F-6) ↳ BIG EX. SHIFTS TO MID SECTION OF Pb EX., WHILE TRUCK ON LANDFILL LOOP
1000	SCOTT CARSON (SCC-EHS) ON-SITE ↳ INSPECTS EXCAVATIONS ↳ RE: Pb EX. → NEED DEFINED LIMITS MARKED BETTER → ORIGINAL PLAN + NEW PLAN (SMALLER) → NEED ADDITIONAL BASE SAMPLE BETWEEN S-49 + F-5 DUE TO TOO MUCH SPACE BETWEEN THESE + VARYING DEPTHS (S-49 TO 2' + F-5 TO 5') ↳ WILL RETURN BETWEEN 1300 + 1400 → MORE DEPTH BETWEEN F-5 + S-49 FOR EX. + SAMPLE VERIFICATION (5') (2')
	SA REMARK Pb EX. + EARTHWORKS CONTINUES DIGGING
1200	EARTHWORKS LUNCH → SA INSPECT + REMARK Pb EXCAVATION LIMITS ↳ BIG EX. REQ'D MAINTENANCE BEFORE CONTINUING
1250	EARTHWORKS OFF LUNCH → CONTINUE DIGGING
1315	Pb EX. COMPLETE → MARK SAMPLE LOCATIONS + PREP FOR CONFIRMATION SAMPLING
1410	SC (SCC-EHS) ON-SITE → REVIEW Pb EX. + SAMPLING ↳ FOOTPRINT + DEPTHS OK ↳ ADD ANOTHER SIDEWALL SAMPLE <sup>SET</sup> IN LINE W/ F-5 @ 4' DEEP (EX. IS TO 5' HERE) ↳ RESAMPLE BASE SAMPLE B-S-49 W/ <u>OUT</u> PICKING OUT STREET STRIPING PAINT CHANNELS BUT REMOVING ASPHALT OK ↳ LABEL AS "B-S-49 DUP" CONFIRMATION Pb EX. # SAMPLES INCLUDE: BASE: B-S-49 (@2'), B-S-49W (@3'), B-F-5 (@5'), B-F-6 (@2.5') SIDEWALL: SW-1 (@1.5'), SW-2 (@1.5'), SW-3 (@4'), SW-4 (@1.5'), SW-5 (1') SW-6 (@1'), SW-7 (@1'), SW-8 (@1.5'), SW-9 (@4'), SW-10 (@1.5')
1500	SC (SCC-EHS) LEAVES SITE → WHA TO NOTIFY OF AS EX. COMPLETION SCH. + BEYOND → " " " OF Pb RESULTS → IF CLEAN, OK TO LIVE + BACKFILL W/ CLEAN IMPORT

1515 SIGN OVER SAMPLES TO TORRENT LAB COURIER; SA (WHA) LEAVES SITE.

1530 EARTHWORKS (JIM + JOSE) DONE FOR THE DAY + LEAVES SITE  
↳ EXPECTS (2) MORE DAYS TO COMPLETE AS DIG

Signature of Field Personnel & Date  
 3/8/16

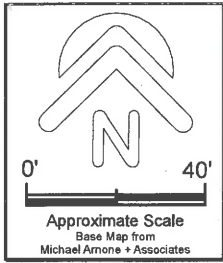
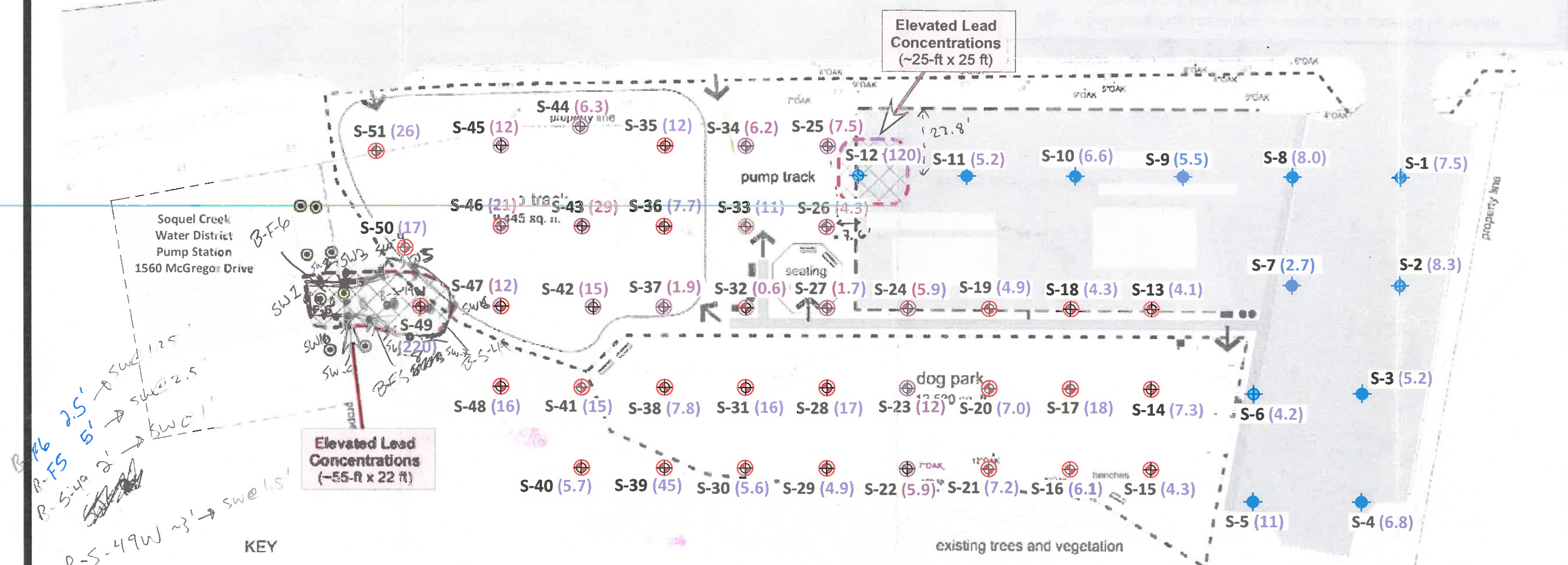


Figure 4a  
Project 2X432

Total Lead Results  
Shallow Soil Sample Locations  
McGregor Park Development  
McGregor Drive  
Capitola, California



Handwritten notes:  
B-F6 2.5' → SW 1.25'  
B-F5 5' → SW 2.5'  
B-S-4a 2' → SW 1'  
B-S-49W 3' → SW 1.5'

- KEY**
- ADA accessible walkway
  - ← pedestrian entrance
  - landscape buffer: low growing, drought tolerant planting
  - - - 6' chain link fence (skate park)
  - - - 3' wood and wire fence (dog park)
  - - - 3' high split rail fence (kids play area and street frontage)
  - ▲ Existing trees to be removed

**Explanation**

- ⊕ = Soil Sampling Locations in areas to be covered by asphalt  
- Spaced on 40-ft Centers (S-1 to S-12)
- ⊗ = Soil Sampling Locations in areas to be covered by dirt  
- Spaced on 30-ft Centers (S-13 to S-51)
- S-6 (8) = Sampling ID (and detected Lead concentration in mg/kg)

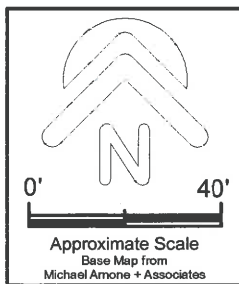
**Previous Soil Samples (March 2012)**  
(collected by the Soquel Creek Water District)

- Fill-1 - Collected in fill soil (Fill-1 to Fill-8)

All Soil samples shown in this figure were collected at ~ 1 foot below ground surface and analyzed for Arsenic & Lead by EPA Method 6010 / 6020. Deeper samples (2-foot depth) were collected and run as confirmation samples.

Base map from  
Michael Arnone Associates (Landscape Architecture)  
McGregor Park Preliminary Site Plan - Option A  
October 25, 2013

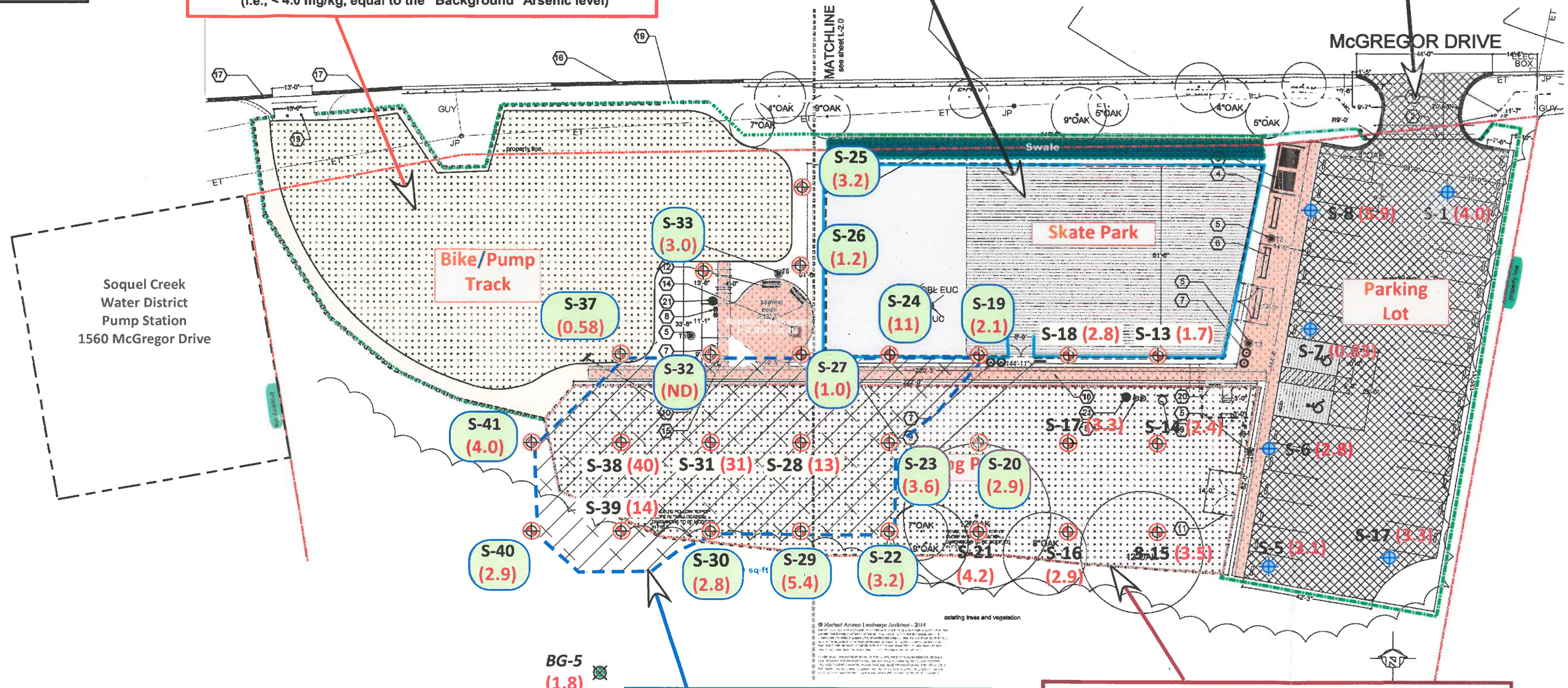
**Weber, Hayes & Associates**  
Hydrogeology and Environmental Engineering  
120 Westgate Drive, Watsonville, CA  
831.722.3580 / www.weber-hayes.com



**Pump Track (13,000 sq-ft)**  
Two (2) foot cap of clean compacted fill over a Geotextile fabric (marker)  
~960 cu-yd of clean fill import required  
(i.e., < 4.0 mg/kg, equal to the "Background" Arsenic level)

**Skate Track (~9,000 sq-ft)**  
Reinforced concrete cap over compacted fill

**Parking Lot (~10,900 sq-ft) & Walkways (~2,900 sq-ft)**  
Two-inch thick asphalt cap over compacted fill



**"Hot Spot" Removal of Soil Having Elevated Arsenic Concentrations**  
Area = 7,700 sq-ft x 2-ft  
Volume = ~570 cu-yd (~800 tons)

**Dog Run: (14,500 sq-ft)**  
Removal of a Pocket of Soil Containing Elevated Arsenic to Reduce Dog Run Soil Level to "Background"  
(i.e. 95-UCL < 4.0 mg/kg)  
Based on import of clean replacement fill - see Chart 1.

- Explanation**
- ⊕ = Soil Sampling Locations in areas to be covered by asphalt  
- Spaced on 40-ft Centers (S-1 to S-12)
  - ⊗ = Soil Sampling Locations in areas to be covered by dirt  
- Spaced on 30-ft Centers (S-13 to S-51)
  - S-6 (8) = Sampling ID (and detected Arsenic concentration in mg/kg)
  - BG-4 (2.9) ⊗ = "Background" Samples (26 off site samples)
- All Soil samples shown in this figure were collected at ~ 1 foot below ground surface and analyzed for Arsenic & Lead by EPA Method 6010 / 6020. Deeper samples (2-foot depth) were collected and ran as confirmation samples.

Figure 6a  
Project 2X432

**Remedial Alternative #1**  
**Capping with Limited Excavation**  
McGregor Park Development  
1560 McGregor Drive  
Capitola, California



Base map from  
Michael Arnone Associates (Landscape Architecture)



**Weber, Hayes & Associates**  
Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076  
(831) 722-3580 Fax: (831) 722-1159  
www.weber-hayes.com

**CHAIN -OF-CUSTODY RECORD**

PAGE 1 OF 1

PROJECT NAME AND JOB #: Capitola Public Works / 2X432.B

LABORATORY: Torrent

SEND CERTIFIED RESULTS TO: Weber, Hayes, & Associates - Attn: Josh Hannaleck

TURNAROUND TIME: 1-Day RUSH

48hr Rush 72hr Rush

ELECTRONIC DELIVERABLE FORMAT:  YES  NO

GLOBAL I.D.: \_\_\_\_\_

Sampler: Josh Hannaleck / Sean Abbey

Date: 3/8/16

Sample Identification	Date Sampled	Matrix	SAMPLE CONTAINERS				REQUESTED ANALYSIS							HOLD				
			40 mL	1 Liter	250 mL	Liner	Total Petroleum Hydrocarbons			Volatile Organics		Additional Analysis						
			VOAs (preserved)	Amber	Preserved	Acetate or	Total Purgable Hydrocarbons by EPA Method# 8260B	Fuel Fingerprint (LUFF) w/ silica gel cleanup by Method LUFF/FFP	TPH-Gas by EPA Method GC/MS	MTBE B-T-E-X EPA Method# 8260B	Semi-Volatiles EPA Method# 8270C SIMM	Lead (TTLC) EPA Method# 8010/8020	CAM 17 Metals		Pesticides (Organo-Chlorine) EPA Method# 8061			
B-F6	3/8/16	Soil																
SW-1																		
SW-2																		
SW-3																		
SW-4																		
SW-5																		
SW-6																		
B-F-5																		
B-S-49																		
B-S-49W																		
SW-7																		
SW-8																		
SW-9																		
SW-10																		
B-S-49dup																		

<b>RELEASED BY:</b> 	<b>Date &amp; Time:</b> <u>3/8/16 15:15</u>	<b>RECEIVED BY:</b> 	<b>Date &amp; Time:</b> <u>3-8-16 15:15</u>	<b>SAMPLE CONDITION:</b> (circle 1) Ambient <input type="checkbox"/> Refrigerated <input checked="" type="checkbox"/> Frozen <input type="checkbox"/>
1.) _____	_____	_____	_____	Ambient <input type="checkbox"/> Refrigerated <input type="checkbox"/> Frozen <input type="checkbox"/>
2.) _____	_____	_____	_____	Ambient <input type="checkbox"/> Refrigerated <input type="checkbox"/> Frozen <input type="checkbox"/>
3.) _____	_____	_____	_____	Ambient <input type="checkbox"/> Refrigerated <input type="checkbox"/> Frozen <input type="checkbox"/>
4.) _____	_____	_____	_____	Ambient <input type="checkbox"/> Refrigerated <input type="checkbox"/> Frozen <input type="checkbox"/>

<b>NOTES:</b> <input checked="" type="checkbox"/> Please use MDL (Minimum Detection Limit) for any diluted samples.	<b>ADDITIONAL COMMENTS:</b> Please email Results to: lab@weber-hayes.com & joshua@weber-hayes.com. <b>RUSH: 1-DAY → RESULTS DUE BY 3/9/16 @ 7pm</b>
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## **March 9<sup>th</sup> and 10<sup>th</sup> 2016 – Excavation of Metals Contaminated Soils**



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### INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>3/9/16</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Limited Remedial Excavation of Lead Impacted Area #2 - Western Slope</b>	<b>Rainy / Misting</b>
Personnel / Company On-Site: <b>Josh Hannaleck(Weber, Hayes &amp; Associates: WHA); Sean Abbey (WHA); Earthworks</b>	

### TIME:

700	Arrive on site and meet w/ Josh Hannaleck
715	Josh Hannaleck leaves the site
745	First Truck arrives for loading - Several trucks required nail removal from tires - Loading continues as normal
1030	Excavator broke down and required maintenance - Loading continued with smaller loader.
11:30	Excavator repaired and began widening the excavation - Note: layer of Dark Gray soil over light brown (Photos)
1:30	Mud tracking is starting to become an issue on McGregor Dr • Scrapped some dry soil from bottom of Arsenic excavation (From depth that was tested as clean) and laid it across the wetter sections of the exit area
1:45	Trucks loaded with final load for the dump - collected receipts and photographed
2:45	Excavator began creating a new stockpile for tomorrow morning
400	End of Excavation
	Also recommended a street sweeper come by at the end of the day. Spoke with Rick at EarthWorks

Signature of Field Personnel & Date



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola PW</b>	Date: <b>8/10/16</b>
Site Location: <b>McGregor Park Excavation</b>	Study #: <b>2x432.6</b>
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): <b>Excavation Monitoring</b>	Weather Conditions: <b>Sunny</b>
Personnel / Company On-Site: <b>Sean Abbey</b>	

TIME:

700	Arrived on site. Put up wind socks. 1st Dump truck arrived, followed shortly by Earth works
750	call from Josh Hammbeck; Lead samples came back clean. Described plan for the Day
1030	Called Scott Carson to tell him estimated completion time for excavation was between 12pm & 1pm. Left a message
1130	Excavation completed. called Scott again to update. Left a message
1145	Earth works offhauled stockpiled asphalt from lead excavation
100	First trucks with fill began arriving. Pat Hoban arrives on the site
115	Speak with Scott Carson. Will Arrive on site around 2:15
215	Scott Carson Arrives onsite. After reviewing excavation, he clears the stockpiled soils to be spread over the site
400	Scott Carson leaves the site. Start taking down wind socks and collecting equipment
415	Leave the site

Signature of Field Personnel & Date







**March 15<sup>th</sup> to March 23<sup>rd</sup>, 2016 – Pump Track Preparation for Paving**



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>CITY OF CAPITOLA - PUBLIC WORKS</b>	Date: <b>3/15/16</b>
Site Location: <b>MCGREGOR PARK -</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): <b>REMEDIAL EXCAVATION LIVING + BACKFILLING</b>	Weather Conditions: <b>CLEAR/COLD, CALM</b>
Personnel / Company On-Site: <b>Josh Hannaleck(Weber, Hayes &amp; Associates: WHA); EARTHWORKS</b>	

TIME:

0800	<p><del>JA</del> on-site → EARTHWORKS ON-SITE LAYING FABRIC/MAT IN ARSENIC EXCAVATION (TOP OF SITE ONLY) THAT WAS PARTIALLY FILLED TO ~1'-1.5' BELOW SURFACE</p> <p>Discuss w/:</p> <p>Jim (EARTHWORKS), Ric (EARTHWORKS)        ED MORRISON (CITY OF CAPITOLA)</p> <p>↳ PUMP TRACK AREA @ GRADE (FINISHED GRADE) NOW OR HIGHER, <u>BUT</u> NO FABRIC/MAT OR 2' OF CLEAN FILL INSTALLED.</p> <p>OPTIONS:</p> <ul style="list-style-type: none"> <li>- RAISE FINAL GRADE OF PUMP TRACK 2' = FABRIC/MAT NOW + 2' <sup>CLEAN</sup> FILL</li> <li>- DIG SO FABRIC/MAT BELOW EXISTING SITE (=FINAL) GRADE, SO 2' CLEAN FILL @ DESIGN FINAL GRADE</li> <li>- DISPOSE OF EXCAVATED SOIL @ MARINA LANDFILL</li> <li>- POTENTIALLY RE-USE TOP 1' FROM WEST OF SKATE PARK AS ARSENIC @ 1' IS &lt; 4 ppm.</li> </ul> <p>→ WOULD NEED COUNTY APPROVAL</p> <p>WILL DISCUSS W/ SC (SCC-EHS) WHEN HE ARRIVES THIS MORNING RE A SITE INSPECTION</p> <p><del>JA</del> → MEASURE DEPTH OF FABRIC/MAT IN ARSENIC EXCAVATION + NOTE ON MAP FOR REFERENCE</p>
1140	<p>SC (SCC-EHS) ON-SITE → OK W/ WORK SO FAR</p> <p>↳ RE: PUMP TRACK GRADING + SOIL HANDLING PLAN FOR ~2' SOIL</p> <ul style="list-style-type: none"> <li>- PROPOSAL TO SEGREGATE TOP 1' OF SOIL WEST OF SKATE PARK IN PUMP TRACK AREA FOR REUSE AS "CLEAN FILL" SEEMS REASONABLE, BUT NEEDS RISK ASSESSOR TO COMMENT ON IT BEFORE APPROVING</li> <li>- ALSO, WILL NEED A SIMPLE WRITTEN PLAN W/ A FIGURE.</li> </ul> <p>ED (CITY OF CAPITOLA - PW) → IF <sup>APPROVAL</sup> <del>APPROVAL</del> PROCESS TAKES → COUPLE DAYS, WE WILL EXCAVATE TO ~2' + OFF HAUL <u>ALL</u> SOIL</p>
1220	SC → CALL RISK ASSESSOR + LEAVES MESSAGE RE: PLAN + URGENCY OF TIME LINE
1240	SC (SCC-EHS) LEAVES SITE
	<p><del>JA</del> WILL PUT PLAN TOGETHER FOR ADDITIONAL LIMITED EXCAVATION + SOIL REUSE VS. DISPOSAL</p> <p>RIC (EARTHWORKS) INDICATES THE ADDITIONAL LIMITED ~2" EXCAVATION WON'T HAPPEN UNTIL TH. OR FRI DUE TO OTHER WORK BEING COMPLETED, MAY EVEN POST-PONE UNTIL MON./TH. DUE TO RAIN IN FORECAST ON SUN/MON.</p>
1245	ED (CITY OF CAPITOLA) LEAVES SITE RIC (EW) LEAVES SITE
1405	<del>JA</del> LEAVES SITE

3/15/16  
 Signature of Field Personnel & Date



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Text Page \_\_\_/\_\_\_

### INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>CITY OF CAPITOLA - PUBLIC WORKS</b>	Date: <b>3/16-17/16</b>
Site Location: <b>MC GREGOR PARK</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): <b>REMEDIAL EXCAVATION, LINING + FILLING</b>	Weather Conditions: <b>CLEAR/COOL + CALM</b>
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); EARTHWORKS</b>	

### TIME:

0815	<input checked="" type="checkbox"/>	<p><b>ON-SITE → EARTHWORKS ON-SITE CONTINUING WORK</b></p> <p style="text-align: center;"><u>STATUS:</u></p> <ul style="list-style-type: none"> <li>- P6 EXCAVATION #2 BACKFILLING OF SLOPE ~80% COMPLETE</li> <li>- A5 EXCAVATION BACKFILLING (DOG PARE) ~90% COMPLETE</li> </ul> <p style="text-align: center;"><u>PROPOSED SCHEDULE (PER JIM - EARTHWORKS):</u></p> <p style="text-align: center;"><u>TODAY</u></p> <ul style="list-style-type: none"> <li>- FINISH FILLING EXCAVATIONS + MOVING STOCKPILED IMPORT "CLEAN FILL" TO REACH APPROPRIATE PUMP TRACK GRADE</li> </ul> <p style="text-align: center;"><u>TOMORROW</u></p> <ul style="list-style-type: none"> <li>- REMOVE ~2' SOIL ON SOUTH SIDE OF PUMP TRACK (~70' x 15' = 1050 FT<sup>3</sup> ≈ 77x10<sup>3</sup>) + OFF-HAULT TO MARINA (PENDING SCC-EHS APPROVAL)</li> <li>- CONTINUE GRADING PUMP TRACK AREA</li> </ul> <p style="text-align: center;"><u>FRI</u></p> <ul style="list-style-type: none"> <li>- EXCAVATE ~2' SOIL IN PUMP TRACK AREA PROPOSED FOR "CLEAN FILL" REUSE OF TOP 1' + DISPOSE OF BOTTOM 1' (i.e., TO 2')</li> </ul>
0905	<input checked="" type="checkbox"/>	<p><b>LEAVES SITE</b></p> <p style="text-align: center;">- BACK FILL w/ "CLEAN FILL" (?)</p>
3/17/16	<input checked="" type="checkbox"/>	<p><b>@ SCC BUILDING - EHS → DISCUSS PROPOSED ADD. LIMITED EX. + SOIL RAISE PENDING APPROVAL</b></p> <p style="text-align: center;"><u>W</u></p> <p>SCOTT CARSON → OWES JIM VAN DE WATER (RISK ASSESSOR) A CALL FROM YESTERDAY TO DISCUSS HIS DETERMINATION</p> <p>↳ HAS MILD CONCERN ABOUT TPH-mold @ S-33 (mo=260ppm; d=240ppm) @ 1'</p> <p>FOR REUSE, AS CUMULATIVE TPH @ 294ppm IS &gt; 240ppm</p> <p>3-WEEK OLD ESL TIER 1 UPDATE (NOTE: NO ISSUE UNDER PREVIOUS ESL #15)</p>
0930	<input checked="" type="checkbox"/>	<p><b>LEAVES SITE → INFORM PH (WHA)</b></p> <p>↳ CALL JVDW + WILL CONTACT <u>W/IN</u></p>
0945	<input checked="" type="checkbox"/>	<p><b>ARRIVE @ SITE → EARTHWORKS CONTINUING WORK</b></p> <p style="text-align: center;">0.5 HR</p> <p>- PHOTO DOCUMENT</p>
1015	<input checked="" type="checkbox"/>	<p><b>← SCC (SCCEHS) → AUTHORIZATION TO REUSE PROPOSED ADD. EX TOP 1' FOR CLEAN BACKFILL</b></p> <p>↳ PREFER IT'S EVENLY SPREAD ACROSS BOTTOM OF PUMP TRACK BEFORE FABRIC (~3"-4"?)</p> <p>THEN INSTALL FABRIC + REMAINING CLEAN FILL ON TOP (~1.66'-1.75') TO EQUAL 2' TOTAL</p> <p><b>NOTIFY JIM (EARTHWORKS) → OK → 1' FOR REUSE WILL BE DUG + SPREAD TOMORROW</b></p> <p><b>ED (CITY OF CAPITOLA) → OK</b></p> <p>↳ STREET SWEEPER SCHEDULED BY CITY OF CAPITOLA FOR ~0900 TOMORROW MORNING</p>
1125	<input checked="" type="checkbox"/>	<p><b>LEAVES SITE</b></p>

3/17/16  
 Signature of Field Personnel & Date



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>CITY OF CAPITOLA PUBLIC WORKS</b>	Date: <b>3/18 + 3/22 + 3/23/16</b>
Site Location: <b>Mc GREGOR PARK -</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): <b>REMEDIAL EXCAVATION, <sup>LINING</sup> &amp; FILLING</b>	Weather Conditions: <b>OVERCAST → SUNNY CALM</b>
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); EARTHWORKS</b>	

**TIME:**

<b>0810</b>	<input checked="" type="checkbox"/>	ON-SITE → EARTHWORKS WORKING ↳ Jim → TODAY: COMPLETE PUMP TRACK DIG TO ALLOW 2' CLEAN FILL UNDER BY FABRIC/MAT → SPREAD "CLEAN" REUSE SOIL EVENLY ACROSS FOOTPRINT OF PUMP TRACK COVER w/ PLASTIC OVER WEEKEND MONDAY 3/21: - LAY FABRIC IN PUMP TRACK FOOTPRINT - INSTALL CLEAN FILL (ORIGINAL IMPORT) ON FABRIC/MAT TO FINAL GRADE → TOTAL 2' CLEAN FILL (FRACTURE BELOW FABRIC + UNIFORMITY ABOVE) PHOTO DOCUMENT PROGRESS
<b>0910</b>	<input checked="" type="checkbox"/>	STREET SWEEPER ON-SITE
<b>0940</b>	<input checked="" type="checkbox"/>	LEAVE SITE
<b>3/22/16</b>		
<b>0805</b>	<input checked="" type="checkbox"/>	ON-SITE → EARTHWORKS WORKING TODAY: - PUMP TRACK AREA FABRIC/MAT + CLEAN BACK-FILL - MAY GO INTO TOMORROW TOMORROW + BEYOND - FOR PAVED AREAS → FABRIC, BASE ROCK + ASPHALT
<b>1205</b>		JOHN GERBRANDT (SCC-EHS) ON-SITE FOR PUMP TRACK FABRIC + FILL INSPECTION → GOOD
<b>1230</b>		JG (SCC-EHS) LEAVES SITE
<b>1235</b>	<input checked="" type="checkbox"/>	LEAVES SITE
<b>3/23/16</b>		
<b>0835</b>	<input checked="" type="checkbox"/>	ON-SITE → EARTHWORKS WORKING → CONTINUING TO FILL PUMP TRACK AREA w/ CLEAN FILL → ORIGINAL IMPORT FILL USED UP; NOW IMPORTING FILL FROM OLIVE SPRINGS QUARRY PHOTO DOCUMENT → FORMS BEING INSTALLED FOR PAVING BORDERS ALONG w/ OTHER PREP
<b>0905</b>	<input checked="" type="checkbox"/>	LEAVES SITE

Signature of Field Personnel & Date **3/23/16**











Covering fabric  
with 2' of clean fill





**March 24<sup>th</sup>, 25<sup>th</sup>, and 28<sup>th</sup>, 2016 – Site Paving Preparation and Paving**



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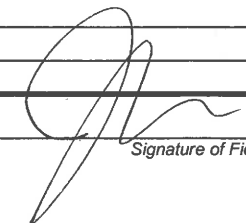
### INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>3/24, 25, 28</b> / 2016
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Remedial Action Plan Implementation Site Check</b>	<b>CLEAR/COLD + CALM</b>
Personnel / Company On-Site: <b>Josh Hannaleck(Weber, Hayes &amp; Associates: WHA); Earthworks</b>	

### TIME:

0805	<del>ON-SITE</del> → EARTHWORKS WORKING → PUMP TRACK AREA CLEAN FILL (2' OVER FABRIC) GRADING COMPLETE. TODAY: WORKING ON ASPHALT/PAVING AREAS PREP (i.e., WALKWAY, PARKING LOT, etc) → FABRIC, BASE ROCK * LIKELY PAVE EARLY NEXT WEEK.
0845	<del>LEAVES SITE</del>
3/25/16	
0845	<del>ON-SITE</del> → EARTHWORKS WORKING → WALKING PATH + SITTING NODE PAVING PREP Jim → REMOVING REMAINDER OF "UNSTABLE" SOIL FROM SOUTHEAST CORNER OF PROPOSED MOVED PARKING LOT AREA TO ~1.5-FT DEEP + BACKFILLING w/ OLIVE SPRINGS QUARRY CLEAN FILL NOTE: ALL AS LEVELS ARE < 4 ppm + Pb LEVELS < 8 ppm → 2 LOADS (~24 TONS / 12 yd <sup>3</sup> ) EACH TRUCKING 48 TONS (24 yd <sup>3</sup> ) REMOVED + OFF-HAULED TO MARINA LANDFILL YESTERDAY → EXPECT ANOTHER LOAD TODAY (24 TONS / 12 yd <sup>3</sup> ) TO COMPLETE THIS AREA. TOTAL ~FOOTPRINT OF THIS AREA IS ~13' X 64' (SEE MAP) X 1.5' DEEP
0930	<del>LEAVES SITE</del>
3/29/16	
0830	<del>ON-SITE</del> → EARTHWORKS WORKING → PARKING AREA LIMITED ADDITIONAL EXCAVATION + "CLEAN" IMPACT BACKFILL COMPLETE (SEE ABOVE) → PREPARING TO PAVE SEATING NODE + WALKWAY Jim → HAVE TO REMOVE ~ 8" OF MATERIAL FROM PARKING LOT ENTRANCE DUE TO SHIFT IN DESIGN PLAN FOR ENTRY DRIVEWAY LOCATION. - FOOTPRINT ~ 30' X 30' X 30' TRIANGLE ~ 450 FT <sup>2</sup> X ~ 8" DEEP ≈ 11 yd <sup>3</sup>
0900	SITE MEET ~   : STEVE JESBERG (CITY OF CAPITOLA - PW); RIC STRAUSS (EARTHWORKS); ALEX FAWLER (ACTION SPORTS CONSTRUCTION); ASSURED LANDSCAPING - PUMP TRACK WILL USE OLIVE SPRINGS BANK RUN "APPROVED" FILL ↳ START BUILDING IN MAY OR JUNE 2016 - ADD MAINTENANCE DRIVEWAY ~ 1/2 WAY ALONG MCGREGOR AT PUMP TRACK BORDER ~ 12' WIDE UP TO SKATE PARK → WILL PAVE
0955	<del>LEAVES SITE</del>

  
 3/28/16  
 Signature of Field Person & Date



**March 29<sup>th</sup>, 2016 – Santa Cruz County Inspection**



**INDICATE ATTACHMENTS THAT APPLY**

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>3/29/16</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Remedial Action Plan Implementation Site Check</b>	<b>CLEAR / COLD → CALM</b>
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); Earthworks</b>	

TIME:	NOTES
0815	<del>ON-SITE</del> → EARTHWORKS WORKING - SEATING NODE + WALKING PATH PAVING COMPLETE - WORKING ON PARKING LOT + ENTRY DRIVEWAY PAVING PREP - GRADING IN SWALE ALONG WEST END OF PUMP TRACK  PHOTO DOCUMENT
0920	LEAVE SITE
1035	<del>ON-SITE</del> TO MEET SCOTT CARSON (SCC-EHS) FOR INSPECTION ↳ EARTHWORKS CONTINUING PAVING PREP
1045	SC (SCC-EHS) ON-SITE → INSPECT (3) AREAS OF DESIGN CHANGE - LIMITED EX. "UNSTABLE" SOIL IN PARKING AREA + REPLACE W/ "CLEAN" FILL - PROPOSED DRAIN LINE (SHALLOW - <1' DEEP) IN PUMP TRACK AREA - PROPOSED MAINTENANCE DRIVEWAY NEAR PUMP TRACK ↳ NEED 2' "CLEAN" FILL UP TO ROAD + PAVED DRIVEWAY → NO VARIATION ↳ WILL INSTALL RETAINING WALL, TIED INTO EXISTING ONE ON WEST SIDE TO KEEP 2' "CLEAN" FILL UP TO IT, THEN ASPHALT ON OTHER SIDE FOR DRIVEWAY SC (SCC-EHS) → OK ↳ ENSURES FENCING AROUND PAVED LOT TO KEEP "KIDS" OUT OF "IMPACTED" SOIL ↳ WHAT ABOUT GAPS IN PAVING AROUND SEATING NODE AREA? ↳ NO Pb/As IMPACT CONCERNS, MINIMAL AREA, WILL BE LANDSCAPED AS PREVIOUSLY ADDRESSED/DETAILED IN "RESPONSE TO COMMENTS".
	ED MORRISON (CITY OF CAPITOLA) ON-SITE ↳ WILL SEND EMAIL DETAILING ABOVE ISSUES/DISCUSSIONS/APPROVALS
1130	LEAVE SITE
1155	LEAVE SITE

3/29/16  
 Signature of Field Personnel & Date



**March 30<sup>th</sup> to April 27<sup>th</sup>, 2016 – Paving and Landscape Fence Planning**



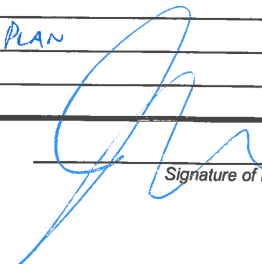
INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <u>4/4/16, 4/19/16, 4/20/16, 4/27/16</u>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Remedial Action Plan Implementation Site Check</b>	
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); <del>Earthworks</del> Ed Morrison (City of Capitola)</b>	

TIME:

0845	ON-SITE → INSPECT + PHOTO DOCUMENT COMPLETED PAVED (ASPHALT) PARKING LOT → NO WORK BEING COMPLETED TODAY
	- COMPLETE
0915	LEAVE SITE
<hr/>	
4/19/16 0900	ON-SITE → NO WORK BEING COMPLETED MEET ED MORRISON (CITY OF CAPITOLA PW) + DISCUSS PLAN OPTIONS FOR "CONTROL MEASURES" AROUND LANDSCAPING AREAS → PROPOSE 2' SPLIT RAIL - ALONG SEATING NODE + PAVED PATH - AT DRAINAGE SWALE BETWEEN SKATEPARK + MCGREGOR RD. PROPERTY FENCE → NO LONGER INSTALLING MAINTENANCE DRIVEWAY INTO PUMP TRACK FROM MCGREGOR RD. → AREA WILL GET RETAINING WALL TO MATCH EXISTING FOR ~2' CLEAN FILL + BURNS / CURBS ALONG STREET
	COMPLETE
1030	LEAVE SITE → WILL CONTACT COUNTY REGARDING REVISED PLANS
<hr/>	
4/29/16 0840	ON-SITE → NO WORK ON-SITE MEET ED MORRISON (CITY OF CAPITOLA PW) TO DISCUSS COUNTY'S REQUESTS TO SLIGHTLY CHANGE LANDSCAPING FENCE INSTALLATIONS → INSTALL 2' SPLIT RAIL BETWEEN PUMP TRACK + LANDSCAPING AROUND SEATING NODE + PAVED WALKWAY + END AT SKATEPARK FENCE. → 3' SPLIT RAIL ALONG PARKING LOT SHOULD BE BORDER PAVEMENT THROUGHOUT (SE CORNER LANDSCAPING FENCE WAS NOT IN ORIGINAL PLAN) → INSTALL OBVIOUS ENTRY AT NW CORNER OF PARK + DESIGNATED PATH ALONG W-SW EDGE OF PUMP TRACK (UNPAVED / DRAINAGE SWALE) + CONNECTING TO PAVED PATH + PAVED STREET.
	- COMPLETE
0920	LEAVE SITE
<hr/>	
4/27/16 0845	ON-SITE → NO WORK ON-SITE MEET ED MORRISON (CITY OF CAPITOLA PW) - GO OVER FINAL FENCING / SITE CONTROL MEASURES PLAN
	- COMPLETE
0915	LEAVE SITE

  
 Signature of Field Personnel & Date



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: CITY OF CAPITOLA - PUBLIC WORKS	Date: 3/30/16, 3/31, 4/1/16
Site Location: MCGREGOR PARK DEVELOPMENT - MCGREGOR DR., CAPITOLA, CA	Study #: 2X432.B
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
REMEDIAL ACTION PLAN IMPLEMENTATION SITE CHECK	CLEAR/COLD; CALM
Personnel / Company On-Site: Josh Hannaleck(Weber, Hayes & Associates: WHA); EARTHWORKS	

TIME:

0815	<del>ED</del> ON-SITE → EARTHWORKS WORKING - CONTINUING PAVEMENT PREP IN PARKING LOT + DRIVEWAY ENTRY → FABRIC + BASE ROCK GOING DOWN PHOTO DOCUMENT
0850	ED MORRISON (CITY OF CAPITOLA) ON-SITE - DISCUSS LANDSCAPING COVER PLAN AROUND SEATING NODE AREA - PLAN FOR SHRUBS + SMALL TREES, THEN REMAINING GROUND COVERED w/ WOOD CHIPS. - RATHER NOT PAVE - RATHER NOT DIG OUT 2' + FILL w/ ENGINEERED "CLEAN" FILL - LOGISTICAL ISSUES. - DECISION NOT NEEDED NOW - WILL WAIT FOR RISK ASSESSOR'S DECISION IF LEAVING AS IS OK.
0920	ED (COC) LEAVES SITE
0930	<del>ED</del> LEAVES SITE
<hr/>	
3/31/16 0815	<del>ED</del> ON-SITE → EARTHWORKS WORKING - CONTINUING PARKING LOT / ENTRY DRIVEWAY PAVING PREP → EXPECT TO PAVE LOT TOMORROW PHOTO DOCUMENT <del>CALL</del> ED (CITY OF CAPITOLA) → INFORM OF SCCCHS DENIAL OF PETITION TO LEAVE SOIL IN PLACE (AS IS) AROUND SEATING NODE WHERE LANDSCAPING WILL BE INSTALLED - OPTIONS PRESENTED IN EMAIL TO STEVE JESBERG (CITY OF CAPITOLA) → WILL DISCUSS w/ STEVE + JIM (EARTHWORKS) + GO OVER TOMORROW MORNING ON-SITE
0900	<del>ED</del> LEAVES SITE
4/1/16 0815	<del>ED</del> ON-SITE → EARTHWORKS BEGINNING TO PAVE PARKING LOT - WILL COMPLETE TODAY - MAINTENANCE DRIVEWAY @ MID-PUMP TRACK - FOOTPRINT IS MARKED FOR WORK NEXT WEEK PHOTO DOCUMENT
0850	ED MORRISON (CITY OF CAPITOLA) ON-SITE → DISCUSS LANDSCAPING AREA AROUND SEATING NODE PLAN TO SATISFY SCCCHS → POSSIBLY SHORT FENCE BORDERING WALKING PATH (N.W. END/EDGE) + NODE (W. EDGE) + (N. EDGE) - STEVE JESBERG (CITY OF CAPITOLA) WILL MAKE DECISION BY END OF TODAY
0910	<del>ED</del> LEAVES SITE

Signature of Field Personnel & Date 4/1/16



**July 21<sup>st</sup>, 2016 – Santa Cruz County Inspection**



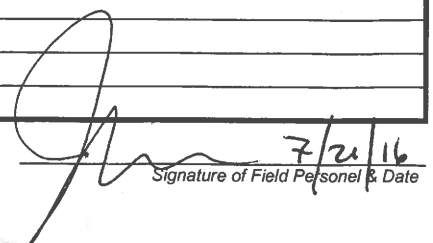
INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>7/21/16</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions: <b>Clear/Hot</b>
<b>Remedial Action Plan Implementation Site Check (INSPECTION BY SCC-EHS)</b>	
Personnel / Company On-Site: <b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); Earthworks; SCOTT CARSON (SCC-EHS)</b>	

TIME:

1110	<p>ON-SITE → SCOTT CARSON (SCC-EHS) ON-SITE FOR SITE INSPECTION</p> <p>↳ OVER ALL GOOD</p> <p>↳ ISSUES: (SEE MAP)</p> <p>1) EXPOSED SOIL IN (2) TRIANGLE AREAS (~4ft<sup>2</sup> TOTAL) OUTSIDE OF 2' LANDSCAPING FENCE, ADJACENT TO SEATING NODE WHERE DRINKING FOUNTAIN WAS INSTALLED - NEED TO ADDRESS + PROFESSIONAL OPINION</p> <p>2) LOCATION (GEOMETRY) OF 2' SPLIT RAIL LANDSCAPING FENCE ON NORTH (ROAD SIDE) BORDER OF LANDSCAPING w/ PUMP TRACK AREA WHERE TIES INTO SKATE PARK FENCING</p> <p>↳ NOT INSTALLED AS DESIGNED w/ EXTRA JDG IN FENCE TO ENCOMPASS UN-EXCAVATED + CLEAN FILLED AREA @ SKATE PARK BORDER</p> <p>COULD LEAD TO TRACKING DIRT</p> <p>RE: 1) LOOKS LIKE WAS EXCAVATED + BACK FILLED w/ CLEAN FILL. - WILL CONFIRM</p> <p>SC → CLEAN FILL (w/ DETAILS) OR</p> <p>CONTINUE DRINKING FOUNTAIN CONCRETE PAD IN BOTH TRIANGLES WOULD BE ACCEPTABLE</p> <p>RE: 2) LOOKS LIKE THIS SECTION OF (LANDSCAPING FENCE WAS INSTALLED FURTHER NORTH (TOWARDS ROAD) THAN DESIGNED, SO MAY COVER TO AREA OF CONCERN w/ OUT JDG IN FENCE. - WILL FIELD CHECK + REPORT BACK</p> <p>SC → OK</p>
1150	<p>SC (SCC-EHS) LEAVES SITE</p> <p>- PHOTO DOCUMENTS SITE</p> <p>- FIELD CHECK / MEASURES FENCE LOCATIONS VS. PD EX. # (FOOT PRINT = OK (SEE MAP))</p> <p>ED MORRISON (CITY OF CAPITOLA) ← EXPLAIN ABOVE</p> <p>↳ WILL CONCRETE LITTLE DIRT TRIANGLES AROUND DRINKING FOUNTAIN.</p>
1240	<p>LEAVES SITE</p>

  
 Signature of Field Personnel & Date 7/21/16



**Michael Arnone + Associates**  
LANDSCAPE ARCHITECTURE

3370 Samuel Place Santa Cruz, CA 95062  
831.462.4888 mtaa@arnonelandscapes.com www.arnonelandscapes.com

**MCGREGOR PARK**  
CITY OF CAPITOLA  
MCGREGOR DRIVE, CAPITOLA

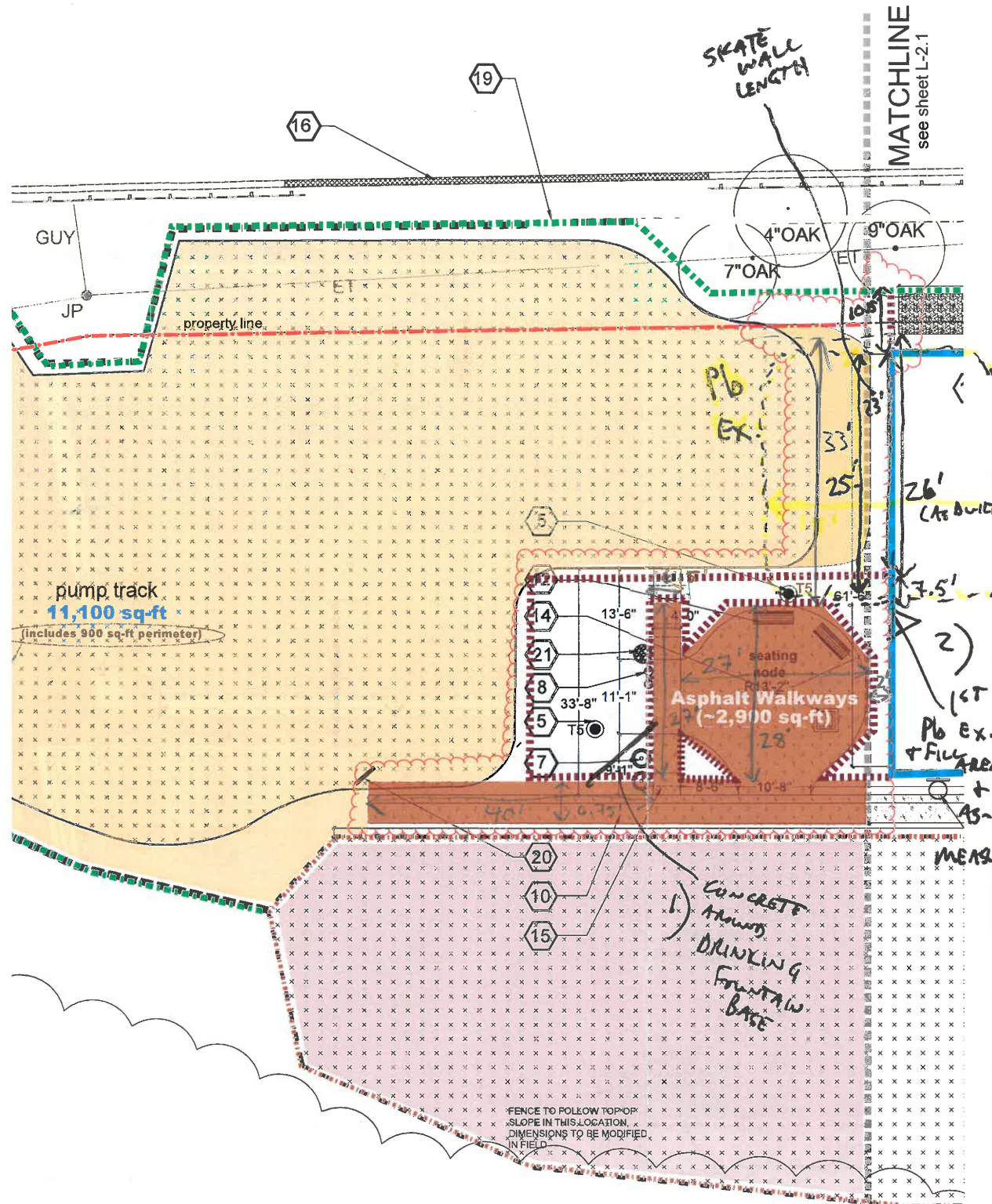


DATE	PURPOSE	BY
1.6.14	planning commission submittal	MAA
2.25.14	pod placement	MAA
3.31.14	bid set	MAA
4.16.14	bid set	MAA
9.19.14	bid set	MAA

scale:  
1" = 10' - 0"

sheet title:  
West Layout  
and Materials  
Plan

sheet number:  
L - 2.0  
of fourteen



3,700 sq-ft







## **July 25<sup>th</sup>, 2016 – Pump Track Construction Kick-off**



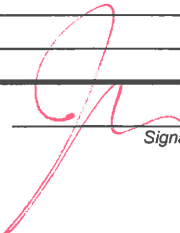
INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: <b>City of Capitola - Public Works</b>	Date: <b>7/25/16</b>
Site Location: <b>McGregor Park Development - McGregor Drive, Capitola, CA</b>	Study #: <b>2X432.B</b>
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions:
<b>Remedial Action Implementation Site Check - Kickoff Meeting w/ Re: Pump Track</b>	<b>Foggy / Cool - calm</b>
Personnel / Company On-Site:	<b>Josh Hannaleck (Weber, Hayes &amp; Associates: WHA); Alex Fowler (Action Sports Construction); Ed Morrison (City of Capitola PW), Ric Strauss (Earthworks)</b>

TIME:

<b>0905</b>	<del>ON-SITE</del> → ED (CAP PW), RIC (EARTHWORKS), ALEX (ACTION SPORTS CONSTRUCTION) ON-SITE
	ALEX → INSTALLING ~3 DRAIN LINES ~1' DEEP IN EXISTING CLEAN FILL TODAY - WILL PHOTO DOCUMENT
	- TOMORROW EARTHWORKS WILL BRING IN SOIL FROM OLIVE SPRINGS
	- TOTAL IMPACT FOR PUMP TRACK WILL BE ~600 yd <sup>2</sup>
	- DIRT WILL BE BROUGHT RIGHT UP TO SEATE PARK
	+ WILL ALLOW FOR THE WEST END ENTRY / WALKING PATH.
	- EXPECT TO BE DONE BY AUGUST 5TH.
	ED → CONFIRMS ISSUE AREAS FOR COUNTY w/ EXPOSED SOIL AROUND SEATING NODE DRINKING FOUNTAIN WILL BE CONCRETED UP TO LANDSCAPE FENCING BORDER
	<del>WILL CHECK IN ON SITE PERIODICALLY OVER NEXT COUPLE WEEKS TO DOCUMENT PROGRESS + SITE CONDITIONS.</del>
<b>0930</b>	<del>ON-SITE</del> LEAVES SITE

  
 7/25/16  
 Signature of Field Personnel & Date



**March 4<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, and 10<sup>th</sup>, 2016 Landfill Weight Tickets**

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831) 384-5313

R E C E I P T

Date: 03/04/16 Ticket #: 1438764

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174058  
Trl/Box:

Origin: CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	86260	43.13	C	SAB	14:38
Tare	32220	16.11	B	SAB	15:08
-----					
Net	54040	27.02			

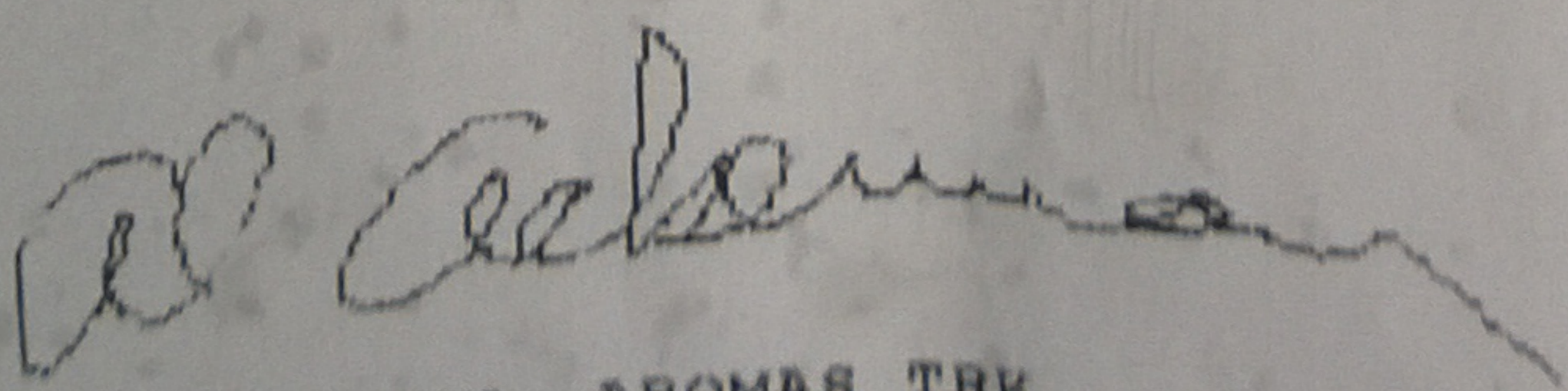
Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	540.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$540.40  
540.40

Paid Credit Card

Card Number XXXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 96057K

Tendered 540.40  
Change 0.00



AL ACKERMAN AROMAS TRK  
AROMAS TRK 4  
NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439840

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174297  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	73420	36.71	D	JJA	11:20
Tare	32880	16.44	B	JJA	11:20
Net	40540	20.27			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	405.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$405.40  
Paid Credit Card 405.40

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 36395K

Tendered 405.40  
Change 0.00

CHRIS

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439997

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174297  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	80000	40.00	D	JJA	13:30
Tare	32880	16.44	B	JJA	13:30
Net	47120	23.56			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	471.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$471.20  
Paid Credit Card 471.20

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 08435K

Tendered 471.20  
Change 0.00

CHRIS

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439724

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174297  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	77020	38.51	C	SAB	09:20
Tare	32880	16.44	B	JJA	09:57
Net	44140	22.07			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	441.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$441.40  
Paid Credit Card 441.40

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 71037K

Tendered 441.40  
Change 0.00

HRIS

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439792

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76600	38.30	D	SAB	10:44
Tare	33740	16.87	B	SAB	10:44
Net	42860	21.43			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	428.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$428.60  
Paid Credit Card 428.60

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 18153K

Tendered 428.60  
Change 0.00

STEVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439711

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR


	Lbs	Tons	Scale	WM	Time
Gross	84020	42.01	D	SAB	09:03
Tare	33740	16.87	B	SAB	09:21
Net	50280	25.14			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	502.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$502.80  
Paid Credit Card 502.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference 46436K  
Approval

Tendered 502.80  
Change 0.00



STEVE

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439940

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

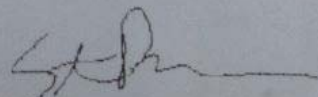
	Lbs	Tons	Scale	WM	Time
Gross	77220	38.61	D	SAB	12:35
Tare	33740	16.87	B	SAB	12:35
Net	43480	21.74			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	434.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$434.80  
Paid Credit Card 434.80

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 63973K

Tendered 434.80  
Change 0.00



STEVE

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439774

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

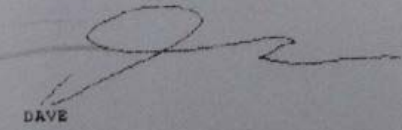
	Lbs	Tons	Scale	WM	Time
Gross	79880	39.94	D	SAB	10:32
Tare	32560	16.28	B	SAB	10:32
Net	47320	23.66			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	473.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$473.20  
Paid Credit Card 473.20

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 46161K

Tendered 473.20  
Change 0.00



DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439937

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MACGREGOR

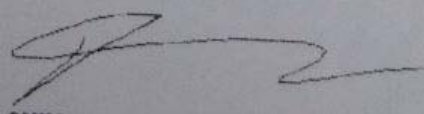
	Lbs	Tons	Scale	WM	Time
Gross	71900	35.95	D	JAP	12:33
Tare	32560	16.28	B	JAP	12:33
Net	39340	19.67			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	393.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$393.40  
Paid Credit Card 393.40

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 38692K

Tendered 393.40  
Change 0.00



DAVID

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439702

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	75360	37.68	C	SAB	08:48
Tare	32560	16.28	B	SAB	09:07
-----					
Net	42800	21.40			

		U/M
Material	Price	Total
PCS-PETROL SOIL	\$20.00	428.00
S02-ADC		

Sales Tax: 0.00  
Ticket Total: \$428.00  
Paid Credit Card 428.00

Card Number XXXXXXXXXXXX729B  
Expiration 07/16  
Reference  
Approval 79587K

Tendered 428.00  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439936

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76660	38.33	D	SAB	12:31
Tare	35060	17.53	B	SAB	12:31
-----					
Net	41600	20.80			

		U/M
Material	Price	Total
PCS-PETROL SOIL	\$20.00	416.00
S02-ADC		

Sales Tax: 0.00  
Ticket Total: \$416.00  
Paid Credit Card 416.00

Card Number XXXXXXXXXXXX338B  
Expiration 11/16  
Reference  
Approval 08616K

Tendered 416.00  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1439748

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76040	38.02	C	SAB	09:54
Tare	35060	17.53	B	SAB	10:11
-----					
Net	40980	20.49			

		U/M
Material	Price	Total
PCS-PETROL SOIL	\$20.00	409.80
S02-ADC		

Sales Tax: 0.00  
Ticket Total: \$409.80  
Paid Credit Card 409.80

Card Number XXXXXXXXXXXX729B  
Expiration 07/16  
Reference  
Approval 94497K

Tendered 409.80  
Change 0.00

DAVE

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/08/16 Ticket #: 1440043

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	73660	36.83	D	SAB	14:05
Tare	35060	17.53	B	SAB	14:05
-----					
Net	38600	19.30			

		U/M
Material	Price	Total
PCS-PETROL SOIL	\$20.00	386.00
S02-ADC		

Sales Tax: 0.00  
Ticket Total: \$386.00  
Paid Credit Card 386.00

Card Number XXXXXXXXXXXX338B  
Expiration 11/16  
Reference  
Approval 93018K

Tendered 386.00  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P



Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440295

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174297  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	74600	37.30	D	JJA	09:02
Tare	32880	16.44	B	JJA	09:02
-----					
Net	41720	20.86			

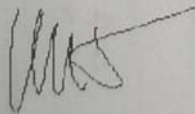
Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	417.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$417.20

Paid Credit Card 417.20

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 33836K

Tendered 417.20  
Change 0.00



CHRIS

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440525

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174297  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	72020	36.01	C	JJA	12:00
Tare	32880	16.44	B	JJA	12:00
-----					
Net	39140	19.57			

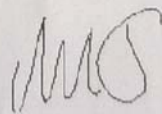
Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	391.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$391.40

Paid Credit Card 391.40

Card Number XXXXXXXXXXXX4681  
Expiration 10/16  
Reference  
Approval 04903C

Tendered 391.40  
Change 0.00



CHRIS

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440527

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	74300	37.15	C	JJA	12:02
Tare	32560	16.28	B	JJA	12:02
-----					
Net	41740	20.87			

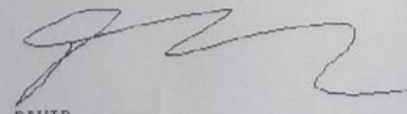
Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	417.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$417.40

Paid Credit Card 417.40

Card Number XXXXXXXXXXXX4681  
Expiration 10/16  
Reference  
Approval 06348C

Tendered 417.40  
Change 0.00



DAVID

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440251

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	72380	36.19	C	JJA	08:26
Tare	32560	16.28	B	JJA	08:26
-----					
Net	39820	19.91			

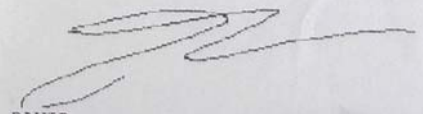
Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	398.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$398.20

Paid Credit Card 398.20

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 36021K

Tendered 398.20  
Change 0.00



DAVID

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440433

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174434  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	80140	40.07	D	SAB	09:59
Tare	33260	16.63	B	SAB	10:36
-----					
Net	46880	23.44			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	468.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$468.80  
Paid Credit Card 468.80

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 78209K

Tendered 468.80  
Change 0.00

JOHN

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440573

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174434  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	80840	40.42	D	JJA	12:41
Tare	33260	16.63	B	JJA	12:41
-----					
Net	47580	23.79			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	475.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$475.80  
Paid Credit Card 475.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 42405K

Tendered 475.80  
Change 0.00

JOHN

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4

Monterey Regional Waste Mgmt District  
 14201 Del Monte Blvd. PO Box 1670  
 Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440699

Account: CASHZZ  
 \*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
 Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
 10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	77080	38.54	D	JCZ	14:37
Tare	32060	16.03	B	JCZ	14:37

Net 45020 22.51

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	450.20	
S02-ADC			

Sales Tax: 0.00  
 Ticket Total: \$450.20

Paid Credit Card 450.20

Card Number XXXXXXXXXXXXX7298  
 Expiration 07/16  
 Reference 10698K  
 Approval

tendered 450.20  
 change 0.00

*Al Ackerman*

AL  
 NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
 14201 Del Monte Blvd. PO Box 1670  
 Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440577

Account: CASHZZ  
 \*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174468  
 Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
 10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76260	38.13	D	JCZ	12:24
Tare	32020	16.01	B	JCZ	12:44

Net 44240 22.12

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	442.40	
S02-ADC			

Sales Tax: 0.00  
 Ticket Total: \$442.40

Paid Credit Card

Card Number XXXXXXXXXXXXX7298  
 Expiration 07/16  
 Reference 34476K  
 Approval

tendered 442.40  
 change 0.00

Monterey Regional Waste Mgmt District  
 14201 Del Monte Blvd. PO Box 1670  
 Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440276

Account: CASHZZ  
 \*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
 Trl/Box:

Origin:CP-CAPITOLA  
 40 - CP-CAPIT

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	79520	39.76	C	JJA	08:23
Tare	32060	16.03	B	JJA	08:52

Net 47460 23.73

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	474.60	
S02-ADC			

Sales Tax: 0.00  
 Ticket Total: \$474.60

Paid Credit Card 474.60

Card Number XXXXXXXXXXXXX3388  
 Expiration 11/16  
 Reference 43875K  
 Approval

tendered 474.60  
 change 0.00

*Al Ackerman*

AL  
 AROMAS #04 TRKING  
 NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
 14201 Del Monte Blvd. PO Box 1670  
 Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440447

Account: CASHZZ  
 \*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
 Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
 10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	83780	41.89	D	JJA	10:47
Tare	32060	16.03	B	JJA	10:47

Net 51720 25.86

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	517.20	
S02-ADC			

Sales Tax: 0.00  
 Ticket Total: \$517.20

Paid Credit Card 517.20

Card Number XXXXXXXXXXXXX3388  
 Expiration 11/16  
 Reference 90390K  
 Approval

tendered 517.20  
 change 0.00

*Al Ackerman*

AL  
 NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440589

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
Trl/Box:  
Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	84720	42.36	C	JJA	12:53
Tare	32060	16.03	B	JJA	12:53
-----					
Net	52660	26.33			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	526.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$526.60  
Paid Credit Card 526.60

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 75186K

Tendered 526.60  
Change 0.00

AL

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440607

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:  
Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	72340	36.17	D	SAB	13:08
Tare	35060	17.53	B	SAB	13:08
-----					
Net	37280	18.64			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	372.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$372.80  
Paid Credit Card 372.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 10767K

Tendered 372.80  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440473

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:  
Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	70540	35.27	C	SAB	11:14
Tare	35060	17.53	B	SAB	11:14
-----					
Net	35480	17.74			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	354.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$354.80  
Paid Credit Card 354.80

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 56482K

Tendered 354.80  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440283

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:  
Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	73420	36.71	D	SAB	08:55
Tare	35060	17.53	B	SAB	08:55
-----					
Net	38360	19.18			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	383.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$383.60  
Paid Credit Card 383.60

Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 65736K

Tendered 383.60  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4P

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/09/16 Ticket #: 1440292

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174415  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MAC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	73300	36.65	D	SAB	08:41
Tare	33000	16.50	B	JJA	09:00
-----					
Net	40300	20.15			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	403.00	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$403.00

Paid Credit Card 403.00  
Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 14352K

Tendered 403.00  
Change 0.00

*Bob Warner*

BOB

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/09/16 Ticket #: 1440477

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174415  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	71400	35.70	D	SAB	11:16
Tare	33000	16.50	B	SAB	11:16
-----					
Net	38400	19.20			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	384.00	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$384.00

Paid Credit Card 384.00  
Card Number XXXXXXXXXXXX3388  
Expiration 11/16  
Reference  
Approval 92605K

Tendered 384.00  
Change 0.00

*Sat. W.*

BOB

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/09/16 Ticket #: 1440614

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174415  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	68840	34.42	C	JJA	13:11
Tare	33000	16.50	B	JJA	13:11
-----					
Net	35840	17.92			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	358.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$358.40

Paid Credit Card 358.40  
Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 92078K

Tendered 358.40  
Change 0.00

*Bob Warner*

BOB

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/09/16 Ticket #: 1440616

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174470  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76420	38.21	C	JJA	12:30
Tare	33260	16.63	B	SAB	13:13
-----					
Net	43160	21.58			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	431.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$431.60

Paid Credit Card 431.60  
Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 42893K

Tendered 431.60  
Change 0.00

*Ricardo*

RICARDO

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/09/16 Ticket #: 1440703

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	69220	34.61	C	SAB	14:42
Tare	35060	17.53	B	SAB	14:42
-----					
Net	34160	17.08			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	341.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$341.60  
Paid Credit Card 341.60

Card Number XXXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 04558K

Tendered 341.60  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1441025

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174415  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

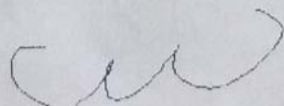
	Lbs	Tons	Scale	WM	Time
Gross	74380	37.19	C	JCZ	10:33
Tare	33000	16.50	B	JCZ	10:33
Net	41380	20.69			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	413.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$413.80  
Paid Credit Card 413.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 67522K

Tendered 413.80  
Change 0.00



NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440933

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174415  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

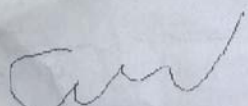
	Lbs	Tons	Scale	WM	Time
Gross	69480	34.74	C	JCZ	09:01
Tare	33000	16.50	B	JCZ	09:01
Net	36480	18.24			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	364.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$364.80  
Paid Credit Card 364.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 53104K

Tendered 364.80  
Change 0.00



NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1441106

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

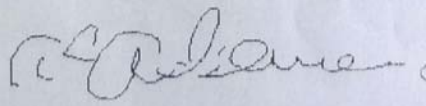
	Lbs	Tons	Scale	WM	Time
Gross	73900	36.95	C	SAB	11:46
Tare	32060	16.03	B	SAB	11:46
Net	41840	20.92			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	418.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$418.40  
Paid Credit Card 418.40

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 87726K

Tendered 418.40  
Change 0.00



AL

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440989

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

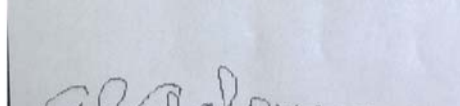
	Lbs	Tons	Scale	WM	Time
Gross	81720	40.86	C	JCZ	10:00
Tare	32060	16.03	B	JCZ	10:00
Net	49660	24.83			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	496.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$496.60  
Paid Credit Card 496.60

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 74922K

Tendered 496.60  
Change 0.00



NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440887

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174409  
Trl/Box:  
Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	84500	42.25	C	JCZ	08:14
Tare	32060	16.03	B	JCZ	08:14
-----					
Net	52440	26.22			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	524.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$524.40  
Paid Credit Card 524.40

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 87709K

Tendered 524.40  
Change 0.00

*Al Ackema*

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440940

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174539  
Trl/Box:

Origin:SC-SAND CITY  
210 - SC-SAND

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	68020	34.01	C	JCZ	08:46
Tare	32400	16.20	B	SAB	09:06
-----					
Net	35620	17.81			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	356.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$356.20  
Paid Credit Card 356.20

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 31423K

Tendered 356.20  
Change 0.00

BOB

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

*Bob*

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1441009

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174539  
Trl/Box:

Origin:SC-SAND CITY  
210 - SC-SAND

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	74260	37.13	C	JCZ	10:22
Tare	32400	16.20	B	JCZ	10:22
-----					
Net	41860	20.93			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	418.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$418.60  
Paid Credit Card 418.60

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 72939K

Tendered 418.60  
Change 0.00

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

*Bob*

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1441056

Account: CASH22  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	67640	33.82	C	SAB	10:58
Tare	32560	16.28	B	SAB	10:58
-----					
Net	35080	17.54			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	350.80	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$350.80  
Paid Credit Card 350.80

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 40373K

Tendered 350.80  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

*Dave*



Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440948

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174292  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	73480	36.74	C	SAB	09:10
Tare	32560	16.28	B	SAB	09:10
-----					
Net	40920	20.46			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	409.20	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$409.20  
Paid Credit Card 409.20

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 93785K

Tendered 409.20  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1441063

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174546  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	70760	35.38	C	SAB	11:06
Tare	31460	15.73	B	SAB	11:06
-----					
Net	39300	19.65			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	393.00	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$393.00  
Paid Credit Card 393.00

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 44387K

Tendered 393.00  
Change 0.00

JOHN

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440978

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174546  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	74200	37.10	C	SAB	09:28
Tare	31460	15.73	B	SAB	09:47
-----					
Net	42740	21.37			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	427.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$427.40  
Paid Credit Card 427.40

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 64761K

Tendered 427.40  
Change 0.00

JOHN

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

R E C E I P T

Date: 03/10/16 Ticket #: 1440922

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	66720	33.36	C	SAB	08:51
Tare	35060	17.53	B	SAB	08:51
-----					
Net	31660	15.83			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	316.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$316.60  
Paid Credit Card 316.60

Card Number XXXXXXXXXXXX7298  
Expiration 07/16  
Reference  
Approval 45768K

Tendered 316.60  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/10/16 Ticket #: 1441082

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MCGREGOR

	Lbs	Tons	Scale	WM	Time
Gross	75900	37.95	D	SAB	11:24
Tare	33740	16.87	B	SAB	11:24
-----					
Net	42160	21.08			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	421.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$421.60  
Paid Credit Card 421.60

Card Number: XXXXXXXXXXXX7298  
Expiration: 07/16  
Reference: 83228K  
Approval:

Tendered 421.60  
Change 0.00

STEVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/10/16 Ticket #: 1440977

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	75800	37.90	C	JCZ	09:42
Tare	33740	16.87	B	JCZ	09:42
-----					
Net	42060	21.03			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	420.60	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$420.60  
Paid Credit Card 420.60

Card Number: XXXXXXXXXXXX7298  
Expiration: 07/16  
Reference: 13212K  
Approval:

Tendered 420.60  
Change 0.00

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/10/16 Ticket #: 1440872

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174293  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	76080	38.04	C	JCZ	08:03
Tare	33740	16.87	B	JCZ	08:03
-----					
Net	42340	21.17			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	423.40	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$423.40  
Paid Credit Card 423.40

Card Number: XXXXXXXXXXXX7298  
Expiration: 07/16  
Reference: 97165K  
Approval:

Tendered 423.40  
Change 0.00

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

Monterey Regional Waste Mgmt District  
14201 Del Monte Blvd. PO Box 1670  
Marina, CA 93933-1670 (831)384-5313

RECEIPT

Date: 03/10/16 Ticket #: 1441011

Account: CASHZZ  
\*\*\*THIS IS A "CASH" ACCOUNT\*\*\*

Truck No: H174304  
Trl/Box:

Origin:CC-SANTA CRUZ COUNTY  
10 - CC-SANTA

Job: MC GREGOR

	Lbs	Tons	Scale	WM	Time
Gross	70960	35.48	C	SAB	10:24
Tare	35060	17.53	B	SAB	10:24
-----					
Net	35900	17.95			

Material	Price	Total	U/M
PCS-PETROL SOIL	\$20.00	359.00	
S02-ADC			

Sales Tax: 0.00  
Ticket Total: \$359.00  
Paid Credit Card 359.00

Card Number: XXXXXXXXXXXX7298  
Expiration: 07/16  
Reference: 10744K  
Approval:

Tendered 359.00  
Change 0.00

DAVE

NEW HOURS 11/4/13 M-F 7-4PM SAT 8-4PM

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**APPENDIX B**

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**Certified Laboratory Reports &  
Chain of Custody Documentation**

**Soil Stockpile Analytical Results**

(Torrent Laboratories Work Order 1602171)

**Confirmation Soil Sampling Analytical Results**

(BC Laboratories Work Order 1508837)

**Confirmation Soil Sampling Analytical Results**

(Torrent Laboratories Work Order 1603058)

## **Soil Stockpile Analytical Results – Torrent Laboratories - Work Order 1602171**



Weber, Hayes & Associates  
120 Westgate Dr  
Watsonville, CA 95076  
Tel: 831-722-3580  
Fax: 831-662-3100  
RE: **McGregor Park**

Work Order No.: 1602171

Dear Pat Hoban:

Torrent Laboratory, Inc. received **5 sample(s)** on **February 26, 2016** for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

---

Patti Sandrock  
QA Officer

February 29, 2016

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Date



**Date:** 2/29/2016

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**Client:** Weber, Hayes & Associates

**Project:** McGregor Park

**Work Order:** 1602171

### **CASE NARRATIVE**

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No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 2/27/16 @ 9:59 AM to 2/29/16 @ 10:00 AM.



### Sample Result Summary

Report prepared for: Pat Hoban  
Weber, Hayes & Associates

Date Received: 02/26/16  
Date Reported: 02/29/16

#### Stockpile 1A

1602171-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.0500	0.10	0.11	mg/L
Lead	SW6010B	1	0.13	1.0	5.9	mg/Kg

#### Stockpile 1B

1602171-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	6.7	mg/Kg

#### Stockpile 2A

1602171-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.0500	0.10	1.6	mg/L
Lead	SW6010B	1	0.13	1.0	39	mg/Kg

#### Stockpile 2B

1602171-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.0500	0.10	0.45	mg/L
Lead	SW6010B	1	0.13	1.0	16	mg/Kg

#### Stockpile 2C

1602171-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead (STLC)	SW6010B	1	0.0500	0.10	0.41	mg/L
Lead	SW6010B	1	0.13	1.0	12	mg/Kg



## SAMPLE RESULTS

**Report prepared for:** Pat Hoban  
Weber, Hayes & Associates

**Date Received:** 02/26/16  
**Date Reported:** 02/29/16

<b>Client Sample ID:</b>	Stockpile 1A	<b>Lab Sample ID:</b>	1602171-001A
<b>Project Name/Location:</b>	McGregor Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	2x432		
<b>Date/Time Sampled:</b>	02/26/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/29/16	02/29/16	1	0.0500	0.10	0.11		mg/L	429102	16497

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	2/27/16	02/27/16	1	0.13	1.0	5.9		mg/Kg	429094	16492

<b>Client Sample ID:</b>	Stockpile 1B	<b>Lab Sample ID:</b>	1602171-002A
<b>Project Name/Location:</b>	McGregor Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	2x432		
<b>Date/Time Sampled:</b>	02/26/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/29/16	02/29/16	1	0.0500	0.10	ND		mg/L	429102	16497

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	2/27/16	02/27/16	1	0.13	1.0	6.7		mg/Kg	429094	16492

<b>Client Sample ID:</b>	Stockpile 2A	<b>Lab Sample ID:</b>	1602171-003A
<b>Project Name/Location:</b>	McGregor Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	2x432		
<b>Date/Time Sampled:</b>	02/26/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/29/16	02/29/16	1	0.0500	0.10	1.6		mg/L	429102	16497

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	2/27/16	02/27/16	1	0.13	1.0	39		mg/Kg	429094	16492





## SAMPLE RESULTS

**Report prepared for:** Pat Hoban  
Weber, Hayes & Associates

**Date Received:** 02/26/16  
**Date Reported:** 02/29/16

<b>Client Sample ID:</b>	Stockpile 2B	<b>Lab Sample ID:</b>	1602171-004A
<b>Project Name/Location:</b>	McGregor Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	2x432		
<b>Date/Time Sampled:</b>	02/26/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/29/16	02/29/16	1	0.0500	0.10	0.45		mg/L	429102	16497

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	2/27/16	02/27/16	1	0.13	1.0	16		mg/Kg	429094	16492

<b>Client Sample ID:</b>	Stockpile 2C	<b>Lab Sample ID:</b>	1602171-005A
<b>Project Name/Location:</b>	McGregor Park	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	2x432		
<b>Date/Time Sampled:</b>	02/26/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead (STLC)	SW6010B	2/29/16	02/29/16	1	0.0500	0.10	0.41		mg/L	429102	16497

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	2/27/16	02/27/16	1	0.13	1.0	12		mg/Kg	429094	16492



### MB Summary Report

<b>Work Order:</b>	1602171	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	02/27/16	<b>Prep Batch:</b>	16492
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	02/27/16	<b>Analytical Batch:</b>	429094
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Antimony	0.20	5.0	0.76		
Arsenic	0.25	1.7	0.76		
Barium	0.07	5.0	0.26		
Cadmium	0.055	1.0	0.11		
Chromium	0.050	5.0	0.26		
Cobalt	0.055	5.0	ND		
Copper	0.65	5.0	ND		
Lead	0.14	1.0	0.68		
Molybdenum	0.12	5.0	0.25		
Nickel	0.050	5.0	0.34		
Selenium	0.42	5.0	ND		
Silver	0.37	5.0	ND		
Vanadium	0.18	5.0	ND		
Zinc	0.25	5.0	0.44		

<b>Work Order:</b>	1602171	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	02/29/16	<b>Prep Batch:</b>	16497
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	02/29/16	<b>Analytical Batch:</b>	429102
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Arsenic (STLC)	0.0500	0.10	ND		
Chromium (STLC)	0.0200	0.10	0.0210		
Lead (STLC)	0.0500	0.10	ND		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1602171	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	02/27/16	<b>Prep Batch:</b>	16492
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	02/27/16	<b>Analytical Batch:</b>	429094
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.76	50	98.0	98.4	0.407	30.7 - 130	30	
Arsenic	0.25	1.7	0.76	50	97.1	96.2	0.921	71 - 121	30	
Barium	0.07	5.0	0.26	50	98.2	99.3	1.06	70.2 - 130	30	
Cadmium	0.055	1.0	0.11	50	97.2	98.8	1.58	68.7 - 110	30	
Chromium	0.050	5.0	0.26	50	99.4	102	2.29	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.0	101	1.50	57.4 - 122	30	
Copper	0.65	5.0	ND	50	99.3	101	1.90	74.8 - 119	30	
Lead	0.14	1.0	0.68	50	99.3	99.0	0.303	67.9 - 118	30	
Molybdenum	0.12	5.0	0.25	50	99.9	101	1.19	62.9 - 123	30	
Nickel	0.050	5.0	0.34	50	98.8	101	1.71	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	91.9	91.3	0.611	62 - 111	30	
Silver	0.37	5.0	ND	50	95.5	96.1	0.647	81.1 - 109	30	
Vanadium	0.18	5.0	ND	50	96.5	98.9	2.43	65.8 - 122	30	
Zinc	0.25	5.0	0.44	50	97.0	99.7	2.72	59.9 - 122	30	

<b>Work Order:</b>	1602171	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	02/29/16	<b>Prep Batch:</b>	16497
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	02/29/16	<b>Analytical Batch:</b>	429102
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic (STLC)	0.0500	0.10	ND	10	108	106	1.59	80 - 120	20	
Chromium (STLC)	0.0200	0.10	0.0210	10	95.5	93.8	1.83	80 - 120	20	
Lead (STLC)	0.0500	0.10	ND	10	92.1	89.9	2.43	80 - 120	20	



## MS/MSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1602171	<b>Prep Method:</b>	WET/3010B	<b>Prep Date:</b>	02/29/16	<b>Prep Batch:</b>	16497
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	02/29/16	<b>Analytical Batch:</b>	429102
<b>Spiked Sample:</b>	1602171-001A						
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (STLC)	0.0500	0.10	0.0107	10	90.2	90.8	0.644	75 - 125	20	



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
<b>Duplicate</b> - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit (PQL)</b> - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
<b>Tentatively Identified Compound (TIC)</b> - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m<sup>3</sup></b> , <b>mg.m<sup>3</sup></b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>NR</b> - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p><b>X</b> -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>
---



## Sample Receipt Checklist

Client Name: Weber, Hayes & Associates

Date and Time Received: 2/26/2016 13:05

Project Name: McGregor Park

Received By: ke

Work Order No.: 1602171

Physically Logged By: ke

Checklist Completed By: ke

Carrier Name: First Courier

### Chain of Custody (COC) Information

Chain of custody present? Yes  
Chain of custody signed when relinquished and received? Yes  
Chain of custody agrees with sample labels? Yes  
Custody seals intact on sample bottles? Not Present

### Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present  
Shipping Container/Cooler In Good Condition? Yes  
Samples in proper container/bottle? Yes  
Samples containers intact? Yes  
Sufficient sample volume for indicated test? Yes

### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  
Container/Temp Blank temperature in compliance? No Temperature: 11 °C  
Water-VOA vials have zero headspace? No VOA vials submitted  
Water-pH acceptable upon receipt? N/A  
pH Checked by: na pH Adjusted by: na

Samples shipped on ice. Chilling begun upon receipt



## Login Summary Report

**Client ID:** TL5105      Weber, Hayes & Associates  
**Project Name:** McGregor Park  
**Project # :** 2x432  
**Report Due Date:** 2/29/2016

**QC Level:**  
**TAT Requested:** Next Day:100  
**Date Received:** 2/26/2016  
**Time Received:** 13:05

**Comments:**

**Work Order # :** 1602171

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1602171-001A	Stockpile 1A	02/26/16	Soil	08/24/16			S_6010BAs/Pb S_6010B(STLC)	
<b>Sample Note:</b> 1 day rush for Lead & STLC Lead								
1602171-002A	Stockpile 1B	02/26/16	Soil	08/24/16			S_6010BAs/Pb S_6010B(STLC)	
1602171-003A	Stockpile 2A	02/26/16	Soil	08/24/16			S_6010BAs/Pb S_6010B(STLC)	
1602171-004A	Stockpile 2B	02/26/16	Soil	08/24/16			S_6010BAs/Pb S_6010B(STLC)	
1602171-005A	Stockpile 2C	02/26/16	Soil	08/24/16			S_6010BAs/Pb S_6010B(STLC)	



483 Sinclair Frontage Road  
 Milpitas, CA 95035  
 Phone: 408.263.5258  
 FAX: 408.263.8293  
 www.torrentlab.com

## CHAIN OF CUSTODY

LAB WORK ORDER NO

1602171

\* NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY \*

Company Name: <b>Weber, Hayes and Associates</b>			Location of Sampling: <b>McGregor Park, 1560 McGregor Drive, Capitola CA</b>		
Address: <b>120 Westgate Dr</b>			Purpose: <b>Soil Stockpile Lead Testing</b>		
City: <b>Watsonville</b>	State: <b>CA</b>	Zip Code: <b>95076</b>	Special Instructions / Comments: <b>Job # 2x432</b>		
Telephone: <b>831-722-3580</b>		FAX: <b>831-722-1159</b>		* Only for Lead & STLC Lead per client	
REPORT TO: <b>Pat Hoban</b>		SAMPLER: <b>Sean Abbey</b>		P.O. #:	EMAIL: <b>pat@weber-hayes.com</b>

communication

<b>TURNAROUND TIME:</b> <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> Noon - Nxt Day <input type="checkbox"/> 7 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 2 - 8 Hours <input type="checkbox"/> 5 Work Days <input checked="" type="checkbox"/> 1 Work Day <input type="checkbox"/> Other		<b>SAMPLE TYPE:</b> <input type="checkbox"/> Storm Water <input type="checkbox"/> Air <input type="checkbox"/> Waste Water <input type="checkbox"/> Other <input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Soil		<b>REPORT FORMAT:</b> <input type="checkbox"/> QC Level IV <input type="checkbox"/> EDF <input type="checkbox"/> Excel / EDD		<b>ANALYSIS REQUESTED</b>
---	--	--	--	---	--	---------------------------

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CAM - 17 (6010.B)	STLC (Title 22)	REMARKS
001A	Stockpile 1A	2/26/16	Soil	1	Liner	✓	✓	Discrete
002A	Stockpile 1B	2/26/16	Soil	1	Liner	✓	✓	Discrete
003A	Stockpile 2A	2/26/16	Soil	1	Liner	✓	✓	Discrete
004A	Stockpile 2B	2/26/16	Soil	1	Liner	✓	✓	Discrete
005A	Stockpile 2C	2/26/16	Soil	1	Liner	✓	✓	Discrete

RUSH 1 DAY

RUSH 1 DAY

1 Relinquished By: <u>Sean Abbey</u> Print: <u>[Signature]</u> Date: <u>2/26/16</u> Time: <u>1:05</u>	Received By: <u>[Signature]</u> Print: <u>MARTIN CERNA</u> Date: <u>2/26/16</u> Time: <u>1:05</u>
2 Relinquished By: <u>[Signature]</u> Print: <u>MARTIN CERNA</u> Date: <u>2/26/16</u> Time: <u>2:14</u>	Received By: <u>[Signature]</u> Print: <u>[Signature]</u> Date: <u>2-26-16</u> Time: <u>14:14</u>

Were Samples Received in Good Condition?  Yes  NO    Samples on Ice?  Yes  NO    Method of Shipment FCS    Sample seals intact?  Yes  NO  N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. 10.7°C #2    Page \_\_\_\_\_ of \_\_\_\_\_

Log In By: \_\_\_\_\_ Date: \_\_\_\_\_    Log In Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_





2/26/2016

Torrent Laboratory, Inc. Mail - RE: Request for rush STLC analysis (Lab ID# 1602152-003)



Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

**RE: Request for rush STLC analysis (Lab ID# 1602152-003)**

1 message

**Pat Hoban** <pat@weber-hayes.com>

Fri, Feb 26, 2016

To: "Torrent Laboratory, Inc." <pm@torrentlaboratory.com>

Yes, only Total & STLC Lead. There was a miscommunication on our end. Thanks for catching that.

Pat

**From:** Torrent Laboratory, Inc. [mailto:pm@torrentlaboratory.com]  
**Sent:** Friday, February 26, 2016 2:21 PM  
**To:** Pat Hoban <pat@weber-hayes.com>  
**Subject:** Re: Request for rush STLC analysis (Lab ID# 1602152-003)

OK. The CoC listed CAM17, but only Lead?

Kathie

On Fri, Feb 26, 2016 at 2:19 PM, Pat Hoban <pat@weber-hayes.com> wrote:

It's strictly a landfill thing – all we'll need is Total and STLC Lead.

Thanks,

Pat

**From:** Torrent Laboratory, Inc. [mailto:pm@torrentlaboratory.com]  
**Sent:** Friday, February 26, 2016 2:17 PM  
**To:** Pat Hoban <pat@weber-hayes.com>  
**Subject:** Re: Request for rush STLC analysis (Lab ID# 1602152-003)

Pat,

For the new rushes, what do you want for the STLC? STLC analysis for all metals or STLC extract & hold pending CAM17 results?

Kathie

On Fri, Feb 26, 2016 at 11:10 AM, Pat Hoban <pat@weber-hayes.com> wrote:

Super, thanks Kathie. I was not so subtly trying to show the landfill how clean the soils looked so we could skip the extra testing (to no avail!). Oh well.

I hope Sean here at WHA connected with you by phone – we have yet another rush Lead (TLC/STLC) job (5 samples) that needs a courier – samples due to arrive office ~ noon. Sean's cell is 831.359-6642). I know he left a message on someone's voice mail, but not sure who.

It seems to be a rush-rush world!

Thanks,

Pat

**From:** Torrent Laboratory, Inc. [mailto:pm@torrentlaboratory.com]  
**Sent:** Friday, February 26, 2016 11:03 AM  
**To:** Pat Hoban <pat@weber-hayes.com>  
**Cc:** Doug Mills <doug.mills@vancebrown.com>; (WHA) Sean Abbey <sean@weber-hayes.com>  
**Subject:** Re: Request for rush STLC analysis (Lab ID# 1602152-003)

Of course we'll do this Pat...you sent an e-mail with a picture!

<https://mail.google.com/mail/u/0/?ui=2&ik=e890e6e2a7&view=pt&search=inbox&type=1531faab6b78d23b&th=1531fae74c8bac6c&siml=1531fae74c8bac6c>

1/5



# Rush Turnaround Services REQUEST FORM

Date | 2/26/16Company | Weber, Hayes & AssocOrdered By | Pat HobanEmail | XXXXXXXXXXXXXXXXXXXXXX  
(for Rush report)Confirmation Number | **For Torrent Lab Use Only**Project Name | XXXXXXXXXXXXXXXXXXXXProject Number | XXXXXXXXXXXXXXXXXXXXOrder ID | 1602171Order Taken By | XXXXXXXXXXXXXXXXXXXXAccounting | 

### Project Details

TAT Requested  
(please check one)

- Same Day (2-8 Hours)    
 One Day   
                                     Noon    
 2 Day    
                                     Noon    
 3 Day    
                                     Noon    
 4 Day    
                                     Noon

Number of Samples | 5Matrix | Soil  
(i.e., sample type: Is your sample soil, water, etc?)Analysis | **TTLC & STLC Lead** Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at [pm@torrentlab.com](mailto:pm@torrentlab.com) with the subject line “Rush TAT Cancellation” if you do not want the analysis(es) to proceed. Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service. Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a \$250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a \$150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory’s *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

\*business day(s)

**Confirmation Soil Sampling Analytical Results – BC Laboratories Work Order  
1508837**



Date of Report: 04/15/2015

Josh Hannaleck

Weber, Hayes & Associates

120 Westgate Drive  
Watsonville, CA 95076

Client Project: [none]  
BCL Project: Capitola Public Works / 2X432  
BCL Work Order: 1508837  
Invoice ID: B200760

Enclosed are the results of analyses for samples received by the laboratory on 4/14/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton  
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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Webster, Hayes & Associates RUSH CHAIN-OF-CUSTODY RECORD



Hydrogeology and Environmental Engineering
120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 Fax: (831) 722-1159
www.weber-hayes.com

PROJECT NAME AND JOB #: Capitola Public Works / 2X432

SEND CERTIFIED RESULTS TO: Weber, Hayes, & Associates - Attn: Josh Hannaleck

ELECTRONIC DELIVERABLE FORMAT: YES [ ] NO [X]

Sampler: Josh Hannaleck

Date: 4/13/15

LABORATORY: BC Labs

TURNAROUND TIME: 3-Day RUSH 24hr RUSH 48hr RUSH 72hr RUSH

GLOBAL I.D.: 15-08837

PAGE 1 OF 1

Table with columns: Sample Identification, Date Sampled, Matrix, Sample Containers (40 mL, 1 Liter, 250 mL, Liner), Total Petroleum Hydrocarbons, Volatile Organics, Total Lead (TTL), Additional Analytes, HOLD.

RELEASED BY: [Signature]
RECEIVED BY: [Signature]
Date & Time: 4/13/15 16:10
4/13/15 17:10
SAMPLE CONDITION: (circle 1)
1) Refrigerated
2) Refrigerated
3) Refrigerated
4) Refrigerated
5) Refrigerated

ADDITIONAL COMMENTS:
\* Results are needed by end of business day Wednesday, April 15th.
\* Please email Results to: lab@weber-hayes.com & joshua@weber-hayes.com



BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 Of 1

Submission #: 15-08837

SHIPPING INFORMATION Federal Express UPS Hand Delivery BC Lab Field Service Other (Specify) Entair

SHIPPING CONTAINER Ice Chest None Box Other (Specify)

FREE LIQUID YES NO

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals Ice Chest Containers None Comments: Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received YES NO Emissivity: 0.97 Container: Pe Thermometer ID: 208 Date/Time: 4/14/15 Analyst Init: ml 0815 Temperature: (A) 3.8 C (C) 3.6 C

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten 'A' marks are present in the Sample Numbers columns for SOIL SLEEVE.

Comments: Sample Numbering Completed By: ml Date/Time: 4/14/15 @ 0815 (S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMREC) A = Actual / C = Corrected



Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1508837-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	BN-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			
1508837-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	BS-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			
1508837-03	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	NSW-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			
1508837-04	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	WSW-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			
1508837-05	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	SSW-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			
1508837-06	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/14/2015 08:15
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/13/2015 00:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	ESW-1	<b>Lab Matrix:</b>	Solids
	<b>Sampled By:</b>	Josh Hannaleck	<b>Sample Type:</b>	Soil
	<hr/>			

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-01	<b>Client Sample Name:</b> BN-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	3.7	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:41	SRM	PE-EL2	0.971	BYD1190

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-02	<b>Client Sample Name:</b> BS-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	5.9	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:44	SRM	PE-EL2	0.990	BYD1190

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-03	<b>Client Sample Name:</b> NSW-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	3.5	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:47	SRM	PE-EL2	0.980	BYD1190

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-04	<b>Client Sample Name:</b> WSW-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	4.8	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:51	SRM	PE-EL2	0.952	BYD1190

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-05	<b>Client Sample Name:</b> SSW-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	5.3	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:54	SRM	PE-EL2	0.943	BYD1190

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

<b>BCL Sample ID:</b> 1508837-06	<b>Client Sample Name:</b> ESW-1, 4/13/2015 12:00:00AM, Josh Hannaleck
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Lead	5.1	mg/kg	0.25	0.12	EPA-6020	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6020	04/14/15	04/14/15 19:57	SRM	PE-EL2	0.962	BYD1190

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
Project: Capitola Public Works / 2X432  
Project Number: [none]  
Project Manager: Josh Hannaleck

### Total Concentrations (TTLC)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BYD1190</b>						
Lead	BYD1190-BLK1	ND	mg/kg	0.25	0.12	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BYD1190</b>										
Lead	BYD1190-BS1	LCS	31.031	25.000	mg/kg	124		75 - 125		

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

### Total Concentrations (TTLC)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BYD1190</b>		Used client sample: N									
Lead	DUP	I505997-02RE1	ND	ND		mg/kg			20		
	MS	I505997-02RE1	ND	29.342	24.510	mg/kg		120		75 - 125	
	MSD	I505997-02RE1	ND	32.373	24.510	mg/kg	9.8	132	20	75 - 125	Q03

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Weber, Hayes & Associates  
120 Westgate Drive  
Watsonville, CA 95076

**Reported:** 04/15/2015 12:33  
**Project:** Capitola Public Works / 2X432  
**Project Number:** [none]  
**Project Manager:** Josh Hannaleck

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- Q03 Matrix spike recovery(s) is(are) not within the control limits.

**Confirmation Soil Sampling Analytical Results – Torrent Laboratories Work Order  
1603058**



Weber, Hayes & Associates  
120 Westgate Dr  
Watsonville, CA 95076  
Tel: 831-722-3580  
Fax: 831-662-3100  
RE: Capitola Public Works/2X432.B

Work Order No.: 1603058

Dear Josh Hannaleck:

Torrent Laboratory, Inc. received 15 sample(s) on March 08, 2016 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

---

Patti Sandrock  
QA Officer

March 09, 2016

---

Date



**Date:** 3/9/2016

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**Client:** Weber, Hayes & Associates

**Project:** Capitola Public Works/2X432.B

**Work Order:** 1603058

### **CASE NARRATIVE**

---

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.



### Sample Result Summary

Report prepared for: Josh Hannaleck  
Weber, Hayes & Associates

Date Received: 03/08/16  
Date Reported: 03/09/16  
1603058-001

**B-F6**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	4.6	mg/Kg

1603058-002

**SW-1**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	7.2	mg/Kg

1603058-003

**SW-2**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	9.1	mg/Kg

1603058-004

**SW-3**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	17	mg/Kg

1603058-005

**SW-4**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	51	mg/Kg

1603058-006

**SW-5**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	19	mg/Kg

1603058-007

**SW-6**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	37	mg/Kg



### Sample Result Summary

Report prepared for: Josh Hannaleck  
Weber, Hayes & Associates

Date Received: 03/08/16

Date Reported: 03/09/16

**B-F-5**

1603058-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	16	mg/Kg

**B-S-49**

1603058-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	4.1	mg/Kg

**B-S-49W**

1603058-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	36	mg/Kg

**SW-7**

1603058-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	52	mg/Kg

**SW-8**

1603058-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	34	mg/Kg

**SW-9**

1603058-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	14	mg/Kg

**SW-10**

1603058-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	5.5	mg/Kg



### Sample Result Summary

Report prepared for: Josh Hannaleck  
Weber, Hayes & Associates

Date Received: 03/08/16  
Date Reported: 03/09/16  
1603058-015

B-5-49 DUP

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<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.13	1.0	12	mg/Kg





## SAMPLE RESULTS

**Report prepared for:** Josh Hannaleck  
Weber, Hayes & Associates

**Date Received:** 03/08/16  
**Date Reported:** 03/09/16

<b>Client Sample ID:</b>	B-F6	<b>Lab Sample ID:</b>	1603058-001A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	4.6		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-1	<b>Lab Sample ID:</b>	1603058-002A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	7.2		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-2	<b>Lab Sample ID:</b>	1603058-003A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	9.1		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-3	<b>Lab Sample ID:</b>	1603058-004A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	17		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-4	<b>Lab Sample ID:</b>	1603058-005A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		



## SAMPLE RESULTS

**Report prepared for:** Josh Hannaleck  
Weber, Hayes & Associates

**Date Received:** 03/08/16  
**Date Reported:** 03/09/16

<b>Client Sample ID:</b>	SW-4	<b>Lab Sample ID:</b>	1603058-005A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	51		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-5	<b>Lab Sample ID:</b>	1603058-006A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	19		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-6	<b>Lab Sample ID:</b>	1603058-007A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	37		mg/Kg	429235	16573

<b>Client Sample ID:</b>	B-F-5	<b>Lab Sample ID:</b>	1603058-008A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	16		mg/Kg	429235	16573

<b>Client Sample ID:</b>	B-S-49	<b>Lab Sample ID:</b>	1603058-009A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		



## SAMPLE RESULTS

**Report prepared for:** Josh Hannaleck  
Weber, Hayes & Associates

**Date Received:** 03/08/16  
**Date Reported:** 03/09/16

<b>Client Sample ID:</b>	B-S-49	<b>Lab Sample ID:</b>	1603058-009A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	4.1		mg/Kg	429235	16573

<b>Client Sample ID:</b>	B-S-49W	<b>Lab Sample ID:</b>	1603058-010A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	36		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-7	<b>Lab Sample ID:</b>	1603058-011A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	52		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-8	<b>Lab Sample ID:</b>	1603058-012A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	34		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-9	<b>Lab Sample ID:</b>	1603058-013A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		



## SAMPLE RESULTS

**Report prepared for:** Josh Hannaleck  
Weber, Hayes & Associates

**Date Received:** 03/08/16  
**Date Reported:** 03/09/16

<b>Client Sample ID:</b>	SW-9	<b>Lab Sample ID:</b>	1603058-013A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	14		mg/Kg	429235	16573

<b>Client Sample ID:</b>	SW-10	<b>Lab Sample ID:</b>	1603058-014A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	5.5		mg/Kg	429235	16573

<b>Client Sample ID:</b>	B-5-49 DUP	<b>Lab Sample ID:</b>	1603058-015A
<b>Project Name/Location:</b>	Capitola Public Works/2X432.B	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>			
<b>Date/Time Sampled:</b>	03/08/16 /		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Lead	SW6010B	3/8/16	03/09/16	1	0.13	1.0	12		mg/Kg	429235	16573



## MB Summary Report

<b>Work Order:</b>	1603058	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	03/08/16	<b>Prep Batch:</b>	16573
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	03/09/16	<b>Analytical Batch:</b>	429235
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.14	1.0	0.16		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1603058	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	03/08/16	<b>Prep Batch:</b>	16573
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	03/09/16	<b>Analytical Batch:</b>	429235
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.16	50	104	103	1.36	67.9 - 118	30	



## MS/MSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1603058	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	03/08/16	<b>Prep Batch:</b>	16573
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	03/09/16	<b>Analytical Batch:</b>	429235
<b>Spiked Sample:</b>	1603058-001A						
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.14	1.0	0.091	50	98.3	92.3	5.37	67.9 - 118	30	



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
<b>Duplicate</b> - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit (PQL)</b> - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
<b>Tentatively Identified Compound (TIC)</b> - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m<sup>3</sup></b> , <b>mg.m<sup>3</sup></b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>NR</b> - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p><b>X</b> -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>
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## Sample Receipt Checklist

Client Name: Weber, Hayes & Associates

Date and Time Received: 3/8/2016 16:35

Project Name: Capitola Public Works/2X432.B

Received By: ke

Work Order No.: 1603058

Physically Logged By: ke

Checklist Completed By: ke

Carrier Name: First Courier

### Chain of Custody (COC) Information

Chain of custody present? Yes

Chain of custody signed when relinquished and received? Yes

Chain of custody agrees with sample labels? Yes

Custody seals intact on sample bottles? Not Present

### Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present

Shipping Container/Cooler In Good Condition? Yes

Samples in proper container/bottle? Yes

Samples containers intact? Yes

Sufficient sample volume for indicated test? Yes

### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes

Container/Temp Blank temperature in compliance? No Temperature: 12 °C

Water-VOA vials have zero headspace? No VOA vials submitted

Water-pH acceptable upon receipt? N/A

pH Checked by: na pH Adjusted by: na

Samples transported on ice. Chilling begun upon receipt



## Login Summary Report

**Client ID:** TL5105      Weber, Hayes & Associates  
**Project Name:** Capitola Public Works/2X432.B  
**Project # :**  
**Report Due Date:** 3/9/2016

**QC Level:**  
**TAT Requested:** Next Day:100  
**Date Received:** 3/8/2016  
**Time Received:** 16:35

**Comments:**

**Work Order # :** 1603058

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1603058-001A	B-F6	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
<b>Sample Note:</b> 1 day rush for Pb								
1603058-002A	SW-1	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-003A	SW-2	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-004A	SW-3	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-005A	SW-4	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-006A	SW-5	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-007A	SW-6	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-008A	B-F-5	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-009A	B-S-49	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-010A	B-S-49W	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-011A	SW-7	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-012A	SW-8	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-013A	SW-9	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-014A	SW-10	03/08/16	Soil	09/04/16			S_6010BAs/Pb	
1603058-015A	B-5-49 DUP	03/08/16	Soil	09/04/16			S_6010BAs/Pb	



**Weber, Hayes & Associates**  
Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076  
(831) 722-3580 Fax: (831) 722-1159  
www.weber-hayes.com

**CHAIN -OF-CUSTODY RECORD**

1603058

PAGE 1 OF 1

PROJECT NAME AND JOB #: Capitola Public Works / 2X432.B

LABORATORY: Torrent

SEND CERTIFIED RESULTS TO: Weber, Hayes, & Associates - Attn: Josh Hannaleck

TURNAROUND TIME: 1-Day RUSH 48hr Rush 72hr Rush

ELECTRONIC DELIVERABLE FORMAT:  YES  NO

GLOBAL I.D.: \_\_\_\_\_

Sampler: Josh Hannaleck / Sean Abbey

Date: 3/8/16

001A  
002A  
003A  
004A  
005A  
006A  
007A  
008A  
009A  
010A  
011A  
012A  
013A  
014A  
015A

Sample Identification	Date Sampled	Matrix	SAMPLE CONTAINERS				REQUESTED ANALYSIS										
			40 mL VOAs (preserved)	1 Liter Amber	250 mL Preserved	Liner Acetate or Other	Total Petroleum Hydrocarbons			Volatile Organics		Additional Analysis		HOLD			
							Total Purgable Hydrocarbons by EPA Method 8200B	Fuel Fingerprint (LIFT) w/ silica gel cleanup by Method LUFT.FFP	TPH-Gas by EPA Method GC/MS	MTBE B-E-X EPA Method 8200B	Semi-Volatiles EPA Method 8270C SAM	Lead (ITLTC) EPA Method 8010/8020	CAM 17 Metals		Pesticides (Organo- Chlorine) EPA Method 8081		
B-F6	3/8/16	Soil				<input checked="" type="checkbox"/>											
SW-1																	
SW-2																	
SW-3																	
SW-4																	
SW-5																	
SW-6																	
B-F-5																	
B-S-49																	
B-S-49W																	
SW-7																	
SW-8																	
SW-9																	
SW-10																	
B-S-49dup																	

RUSH  
1 DAY

RUSH  
1 DAY

RELEASED BY:	Date & Time	RECEIVED BY:	Date & Time	SAMPLE CONDITION:
<u>[Signature]</u>	3/8/16 15:15	<u>[Signature]</u>	3-8-16 15:15	(circle 1) Refrigerated
<u>[Signature]</u>	3/8/16	<u>Kathie Evans</u>	3-8-16 16:35	Refrigerated
				Ambient
				Ambient
				Ambient
				Ambient

NOTES:	ADDITIONAL COMMENTS
<input checked="" type="checkbox"/> Please use MDL (Minimum Detection Limit) for any diluted samples.	*Please email Results to: lab@weber-hayes.com & joshua@weber-hayes.com. <b>RUSH: 1-DAY → RESULTS DUE BY 3/9/16 @ 7PM</b>

12°C #1  
FCS

