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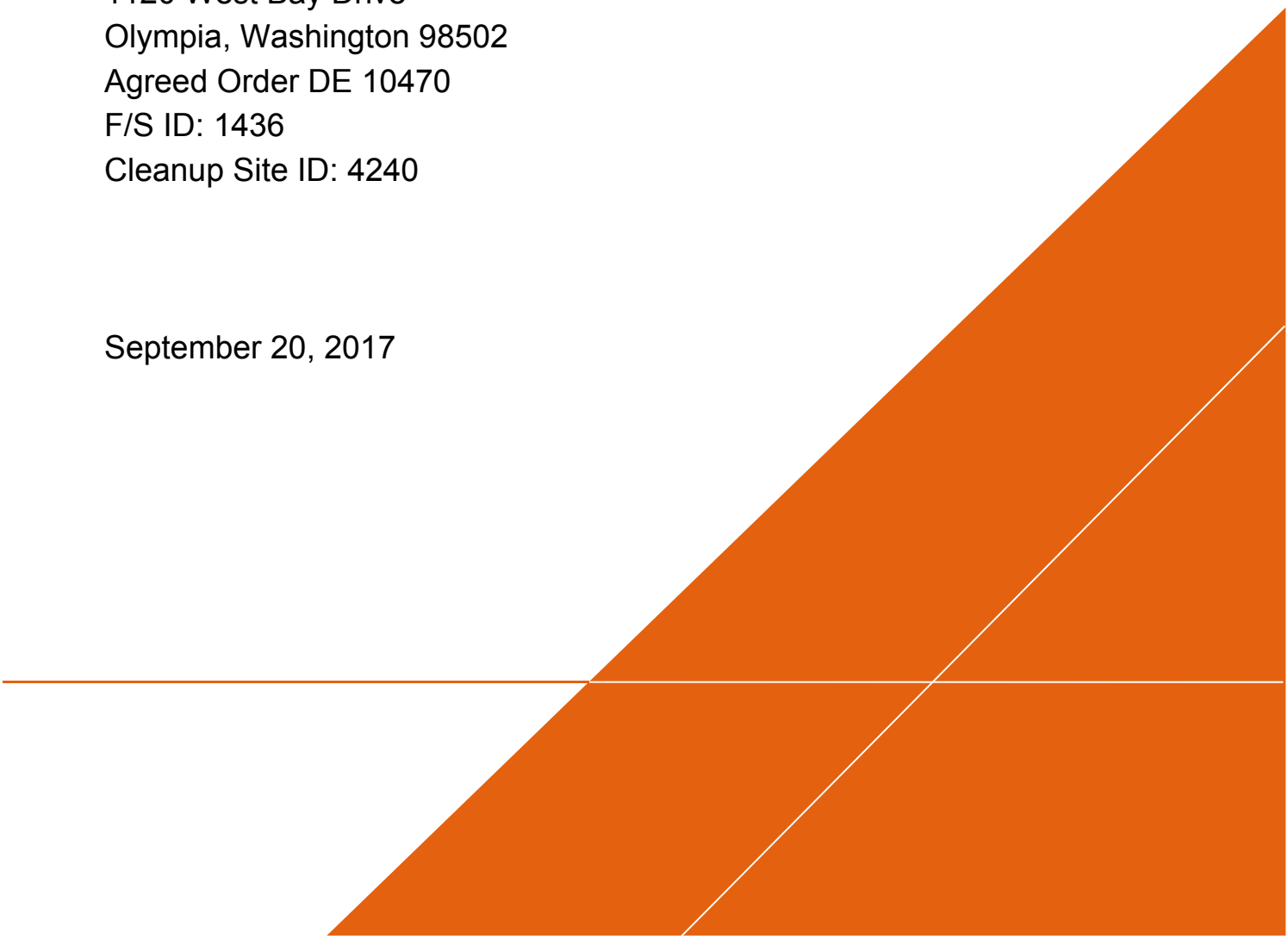
CLEANUP ACTION COMPLETION REPORT

Industrial Petroleum Distributors Site
1120 West Bay Drive
Olympia, Washington 98502
Agreed Order DE 10470
F/S ID: 1436
Cleanup Site ID: 4240

September 20, 2017



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Prepared for:

BP West Coast Products, LLC

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GP09BPNA.WA60

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CONTENTS

FIGURES

APPENDICES

ACRONYMS AND ABBREVIATIONS

AO	Agreed Order
Arcadis	Arcadis U.S., Inc.
ARCO	Atlantic Richfield Company
BMPs	Best Management Practices
bgs	below ground surface
Bulk Plant	Bulk Petroleum Storage Facility
CACR	Cleanup Action Completion Report
CAP	Cleanup Action Plan
Clearcreek	Clearcreek Contractors
CPS	Construction Plans and Specifications
COC	Constituent of concern
CULs	cleanup levels
DU	Decision Unit
Ecology	Washington State Department of Ecology
Emerald	Emerald Services Incorporated
HDPE	high density polyethylene
Holt	Holt Services Inc.
Import Material	One inch and one quarter minus crushed angular rock
IPD	Industrial Petroleum Distributors
Landfill	Cowlitz County Weyerhaeuser Headquarters Landfill
MTCA	Model Toxics Control Act
Otak	Otak, Inc.
Port	The Port of Olympia
Quarry	Black Lake Quarry LLC
RCW	Revised Code of Washington
site	lowland portion of the former IPD Site located 1120 West Bay Drive in Olympia, Washington
SWPPP	Stormwater Pollution Prevention Plan
TCLP	toxicity characteristic leaching procedure
WAC	Washington Administrative Code

1 INTRODUCTION

On behalf of BP West Coast Products, LLC, Arcadis U.S., Inc. (Arcadis) has prepared this Draft Cleanup Action Completion Report (CACR) for the lowland portion of the former Industrial Petroleum Distributors (IPD) Site located at 1120 West Bay Drive Northwest in Olympia, Washington (the site). A Site Location Map is presented on Figure 1.

The purpose of this CACR is to summarize the site activities associated with a remedial excavation completed per the Construction Plans and Specifications report (CPS) prepared by Arcadis (Arcadis 2016). The excavation was conducted to address petroleum hydrocarbons in soil exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) in accordance with the Washington State Department of Ecology (Ecology) Cleanup Action Plan (CAP; Ecology 2014) and Agreed Order (AO) No. DE 10470, effective October 24, 2014 (Ecology 2014a). Field activities were performed in accordance with the CPS.

2 SITE DESCRIPTION

The former Industrial Petroleum Distributors (IPD) site includes two upland parcels of land (parcel Nos. 0903-000-5000 and 0903-000-3000) on the west side of West Bay Drive, and one lowland area (parcel No. 0903-000-1000) located east of West Bay Drive, the site. The upland portion of the former IPD site was issued a No Further Action letter on June 25, 2003 and reports pertaining to the remedial investigations conducted at the upland IPD site are available as public record through Ecology.

The Port of Olympia (Port) owns the majority of the lowland portion of the site. BNSF Railroad owns a 0.02-acre parcel located on the west side of the lowland portion. The site was formerly used as a bulk petroleum distribution facility by Atlantic Richfield Company (ARCO) and IPD. IPD provided infrastructure for a bulk petroleum storage facility (bulk plant) operated on the upland portion of the former IPD site. A pipeline on the north side of the site was used to transfer petroleum products (gasoline and oil) from barges into above-ground storage tanks located at the bulk plant. The pipeline surfaced above-ground on the lowland parcel and ran across a pier that extended approximately 400 feet into Budd Inlet. The pipeline on the lowland portion of the site was removed sometime before 2000, likely when the bulk terminal infrastructure was removed; however, an exact date could not be found after reviewing known historic documents. The pier was removed by the State Department of Natural Resources in 2013 as part of a Budd Inlet creosote piling removal project. The site is currently undeveloped vacant land. A site plan is presented in Figure 2.

2.1 Soil Characterization

From August 17 to September 2, 2015, Arcadis oversaw the advancement of 71 boring locations, centered in 10-foot by 10-foot-decision units (DU), at the site. This was done to thoroughly characterize the site soil lithology and impacts prior to excavation, in order to more accurately differentiate impacted soils from clean soils prior to excavation, as detailed in the CAP and captured in the AO.

Prior to drilling activities, the sample locations where surveyed, staked, and marked with spray paint by Otak, Inc. (Otak). Soil samples were collected from shallow (0 to 5 feet below ground surface [bgs]),

medium (5 to 10 feet bgs) and deep (10 to 15 feet bgs) depth intervals. Analytical results from these intervals were used to define the excavation limits. Soils containing constituents of concern (COCs) with concentrations above the MTCA Method A CULs were designated to be removed, while intervals with analytical results below the Method A CUL did not need to be excavated. Boring locations and analytical results for the shallow, medium, and deep sampling intervals are shown on Figures 2, 3 and 4, respectively.

Soil encountered during drilling activities consisted of sands to clayey sand in the upper 3 feet, followed by woody material interbedded with silts and sands. These soil types are consistent with the area's geologic descriptions for fill material as shown on Figure 5 from the Washington State Department of Natural Resources.

In accordance with the AO, analytical results from DUs with COC concentrations greater than the MTCA Method A CULs were to be removed and disposed of offsite, which equaled 42 DUs. Additional details describing the subsurface investigation are reported in the CPS (Arcadis 2016) and the Pre-excavation Soil Sampling and Excavation Work Plan (Arcadis 2015).

3 EXCAVATION SUMMARY DETAILS

Between September 29, and October 24, 2016, Arcadis oversaw excavation activities at the site. Impacted soils removed from the site were hauled in dump trucks to Cowlitz County Weyerhaeuser Headquarters Landfill (the landfill). A total of 33 dump truck loads were taken from the site, equaling approximately 944 tons of impacted material. Imported backfill material was supplied by Black Lake Quarry LLC (the quarry), which is located just outside of Olympia's city limits. A total of approximately 1,972 tons of backfill and ground surface cover was imported to the site. Imported material consisted of one inch and one quarter crushed angular rock (import material), except for a small portion of washed one inch and one quarter drain rock used in the secondary containment as described below in section 4.2.5.

On October 24, 2016, Stormwater Pollution Prevention Plan (SWPPP) best management practices (BMPs) and equipment were removed from the site, with the exception of two waste water tanks. The tanks were left on site while water samples were analyzed and a profile was created for waste disposal. The waste water profile was developed using analytical data from the previous groundwater monitoring event reported in the Construction Plans and Specifications Summary Report (Arcadis 2016) and toxicity characteristic leaching procedure (TCLP) total metals analytical from water samples collected from the tanks. The TCLP analytical data are included in Appendix A. The waste water was disposed of on November 16, 2016 by Emerald Services Inc (Emerald). The tanks were subsequently removed from the site two days later. Import material, disposal transaction listings, bills of lading, and gallonage tickets are included as Appendix A.

4 EXCAVATION PREPARATION ACTIVITES

4.1 Permitting

4.1.1 Discharge Permit and Stormwater Pollution Prevention Plan

In accordance with the Washington State water pollution control requirements (Chapter 90.48 Revised Code of Washington [RCW]) A SWPPP was prepared and submitted for coverage under a Washington State Construction Stormwater Permit (Permit Number WAR303363). The issued permit coverage letter is included as Appendix B.

The SWPPP detailed the erosion and sediment control BMPs to be implemented prior to and during excavation activities with the goal of minimizing storm and surface water pollution due to site construction. The SWPPP was submitted to and approved by Ecology prior to excavation activities as an appendix to the CPS (Arcadis 2016).

4.1.2 City of Olympia Grading Permit

A Grading Permit from the City of Olympia was obtained prior to excavation activities. Permit number 16-6005-E was issued under site name PORT OF OLYMPIA-DOE-DE #10470. The permit is included as Appendix C. A pre-construction meeting was held at the site prior to excavation activities with representatives from The City of Olympia, Clearcreek Contractors (Clearcreek) and Arcadis, where excavation plans were reviewed and confirmed.

4.2 Site Preparations

On September 29 and 30, 2016, the site was prepared for construction activities by implementing SWPPP BMPs, abandoning groundwater monitoring wells located within the excavation area, clearing the excavation area of vegetation and debris and staging equipment.

4.2.1 Stormwater Pollution Prevention Plan Initial Implementation

Primary SWPPP controls implemented at the site included:

- BMP C101 – Preserving Natural Vegetation: Natural vegetation was only removed from the excavation extents. Existing natural vegetation beyond the excavation extents was left in place at the site.
- BPM C102 – Buffer Zones: The site work areas and extents were established with buffer zones between the work areas and Budd Inlet and the drainage ditch to the north of the work area.
- BMP C103 – High Visibility Plastic or Metal Fence: Metal chain-linked fence panels were erected to surround the entire construction work area. The fence provided a defined hard work area boundary and site access control during working and non-working hours.
- BMP C105 – Stabilized Construction Entrance: The existing site entrance included over 100 feet of a paved asphalt surface leading to a hard-packed gravel and dirt lot. The lot beyond the

asphalt entrance was improved with a clean gravel base. The asphalt entrance was cleaned and maintained prior to and during construction activities with a mechanized street sweeper.

- BMP C123 – Plastic Covering: Plastic covering was not implemented until excavation activities commenced; however, they were used to completely cover any stockpiled soils that were not removed from the site at the end of every day.
- BMP C130 – Surface Roughening: Surface Roughening was not implemented until precipitation started during excavation activities. Infiltration depressions were created in the work area to improve the surface water infiltration rate and reduce runoff. With the increase in precipitation, additional surface areas were adjusted to create depressions where surface water could be pumped into holding tanks prior to offsite disposal.
- BMP C223 – Silt Fence: Silt fencing was installed in areas around the site where surface water would naturally flow in the occurrence of sufficient precipitation. Silt fence was installed around three-quarters of the work area, to the north, east and south of the work area, forming a U shape, leaving only the construction entrance on the upgradient side of the site free of silt fencing.

BMP details are included in the SWPPP appendix of the CPS (Arcadis 2016). Applicable BMPs and implementation details are also included in the CPS Contract Drawing C-2 Site Preparation Plan and G-2 Erosion and Sediment Control Notes. The CPS contract drawings are included as Appendix D. Construction Stormwater Site Inspection Forms completed through the construction process are included as Appendix E.

4.2.2 Well Abandonment

On September 20, 2016, Holt Services, Inc. (Holt) abandoned five monitoring wells located within the proposed areas of excavation (MW-6, MW-10, MW-11, MW-12 and MW-6R) in accordance with Washington State Standards (Washington Administrative Code [WAC] 173-160-381). Each well was removed in its entirety during the excavation process, leaving no well casings in the ground. Decommissioned well locations are shown on Figure 6 and decommissioning logs are included as Appendix F.

4.2.3 Excavation Surface Area Clearing

Prior to surveying the excavation boundaries and utility location activities, the general excavation area was cleared of natural vegetation and surficial debris. Natural vegetation and other surface debris were stockpiled separately and taken off site for disposal and/or recycling.

4.2.4 Equipment Staging

Equipment was mobilized to the site prior to excavation activities. Equipment mobilized to the site included a loader, two backhoes, a street sweeper, two 24,000-gallon tanks, portable bathroom facilities and materials for constructing the contaminated soil stockpile and dewatering pad.

4.2.5 Contaminated Waste Stockpile and Dewatering Pad

The contaminated waste stockpile and dewatering pad was constructed using a 40-millimeter-thick high-density polyethylene (HDPE) geomembrane liner. The liner was placed between 24-ounce non-woven geotextile cushion to protect the integrity of the liner. Overburden soils and a natural surface grade were used to build berms and the containment pad was sloped to one end. Imported washed gravel was placed on top of the containment area to allow the water within the dewatering pad to drain towards one end, where a sump area was created to pump groundwater into the on-site holding tanks.

5 SITE EXCAVATION

5.1 Excavation Area Preparation

Prior to excavating non-surficial soil, the proposed excavation limits and individual DU extents were marked using wood stakes and surface paint according to the survey coordinates recorded by Otak. Stakes around the perimeter of the excavation indicated the DU grid pattern and remained in place through the excavation as reference points. Surface paint was used to mark the shallow DU intervals as either unimpacted clean overburden or impacted soils. Clean overburden was retained on site in a separate stockpile to be used as backfill, while impacted materials removed from the excavation were placed in the stockpile dewatering pad.

Once the excavation area was staked and marked, a final utility location survey was conducted by Applied Professional Services. The utility location activities did not identify any utilities or subsurface structures that were not previously identified.

5.2 Excavation Safety and Sidewall Integrity

In accordance with specifications of the CPS, Arcadis and Clearcreek used a combination of measures to ensure safe working conditions. The safety measures included sidewall sloping, installation of trench boxes, separating the excavation into small excavation areas that were backfilled upon completion before starting another excavation area, and preventing workers from entering the excavation. The shallow DUs were graded with a 1 to 1 slope ratio around the edge of the excavation. Where excavation DUs extended to the deep interval, trench boxes were used to maintain sidewall integrity.

5.3 Excavation Conditions and Process

Due to the site's proximity to West Bay, groundwater elevations at the site are subject to tidal fluctuations. The fluctuations have been observed to be as much as approximately 2.5 ft from high to low tide, as reported in the Remedial Investigation Report (Arcadis 2012). The fluctuation of groundwater level was also observed in the open excavation; however, the water levels did not exhibit the same degree of variability. The observed water levels during excavation activities were approximately 2.5 to 3 feet bgs regardless of tide phase.

Additionally, woody debris observed during pre-excavation drilling was assumed to be from logs or larger sections of wood. Instead, the woody debris found below ground throughout the site appeared to be

coarse chips of wood and woody debris, as if processed through a wood-chipper or mill, which is sometimes referred to as hog fuel. The hog fuel formed the majority of the subsurface conditions at the site, which verifies that a large portion of the site's land area had been built out into West Bay at some point in time as shown on Figure 5.

Subsurface conditions encountered while excavating exhibited good integrity as no sidewall sloughing or integrity issues were observed. This resulted in an expeditious soil removal process and confirmation of excavated area dimensions. As the surveyed DU locations were excavated, the depths were measured at the four corners and across the bottom of each DU with the boom of the backhoe that was marked at 5, 10, and 15-foot increments. Arcadis confirmed the proper depths of each DU against the measurements on the backhoe boom in comparison to ground surface prior to backfilling an area.

5.4 Existing Piping Abandonment

Underground piping located on the western side of the excavation area was cut off at the edge of the excavation, grouted and sealed in place. Approximate pipe location is depicted on Figure 6.

5.5 Soil Handling

Excavated material was removed with a backhoe and segregated into either a clean stockpile or impacted stockpile, based on previous analytical data. The impacted soil stockpile was allowed to dewater before being transported offsite. Dewatering was completed through gravity drainage of the groundwater from the excavated material. It was initially anticipated that mixing in a dry solidifying agent, such as Portland cement or sawdust, would be needed to prevent the wet soils from liquefying during transport. Since a large portion of the removed material was comprised of hog fuel, the stockpile dewatered effectively with gravity alone and a solidifier was not needed. Additionally, the hog fuel was less dense compared to other soil types, which made the weights of the removed material less than anticipated. A calculated volume of 784 cubic yards of impacted soils were removed from the site, equalling approximately 944 tons of impacted material. Soils were disposed of at the landfill and weight tickets are included as Appendix A.

6 SITE BACKFILL AND RESTORATION

Import material and previously-excavated material was used to backfill excavated areas. The import material was used as backfill below the water table to approximately two feet bgs, which is also approximately six inches above the high-water level observed during excavation activities. The import material was selected for its ability to compact readily by tamping with the excavator bucket and because its strength is not compromised when placed underwater. It was placed with the excavator bucket in horizontal layers and compacted with the excavator bucket between layers.

Geotextile fabric was placed above the import material (2 feet bgs), followed by the overburden soils previously removed and stockpiled. The excavation area was then capped with an additional layer of import material to cap the surface and help prevent surface erosion. Import material specifications, restoration plan and details are presented on the CPS Contract Drawing C-4.

6.1 Waste Characterization and Disposal

Soil was disposed of at the landfill, which is a Subtitle D landfill approved to accept petroleum contaminated soil. Waste was characterized using the sampling data collected during the pre-excavation soil sampling event. Soil was classified as non-hazardous, non-regulated, petroleum contaminated soil.

Dump trucks and trailers, equipped with an open-box bed, were loaded onsite. Before loaded trucks left the property, tires were inspected and cleaned manually to remove visible debris. A flagger was used to assist the dump trucks exiting the site onto West Bay Drive. West Bay Drive was also monitored to confirm that excavated materials were not tracked to the roadway. A total of 33 dump truck loads were taken from the site to the landfill, which equaled a total of approximately 944 tons of impacted material. Excavated soil amounts were tracked using weight tickets provided by the landfill. Weight tickets are included as Appendix A.

Waste water was disposed of at Emerald. in Seattle, Washington. Two different streams of waste water were collected from site activities; one from the containment and dewatering pad and the second from site surface water during rain events. Both waste streams were collected in two 24,000-gallon tanks on site. The waste water was profiled by Emerald as non-hazardous petroleum impacted water. A total of 24,354 gallons of waste water was collected and disposed of from site activities. The waste water profile, bills of lading, and gallonage tickets are included as Appendix A.

7 POST EXCAVATION ACTIVITIES

On December 15, 2016, Holt conducted the installation of a replacement groundwater monitoring well named MW-13. The location of MW-13 is shown on Figure 6 and the boring log with well construction details are included as Appendix G. The replacement well (in addition to remaining site wells) will be sampled for approximately three quarters to monitor post excavation groundwater quality. Following the groundwater monitoring events, a closure request report will be submitted to Ecology that includes a summary groundwater sampling data and analytical reports, as well as a request for a no further action.

8 REFERENCES

Arcadis U.S., Inc. 2012. Remedial Investigation Report. January 30.

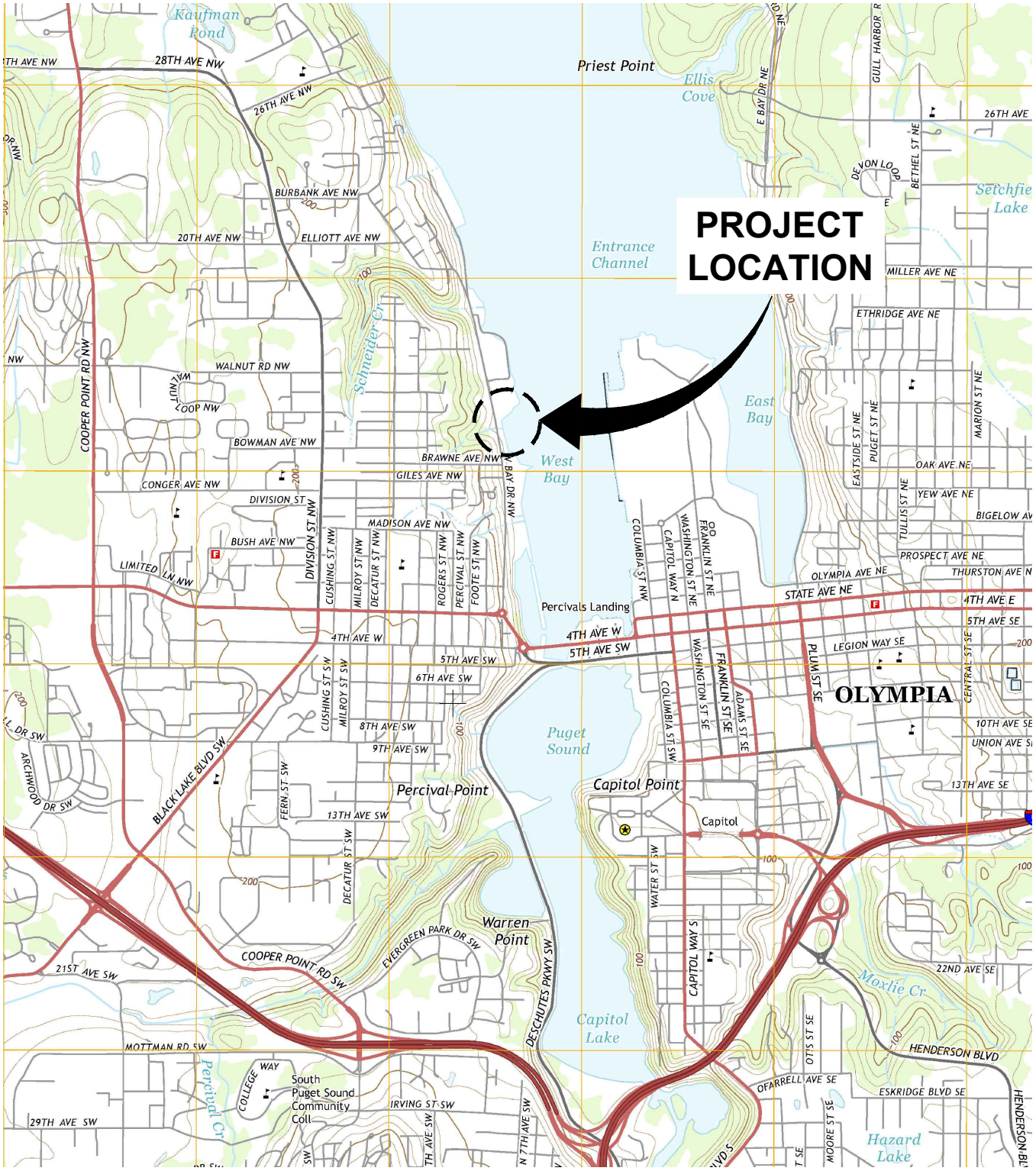
Arcadis U.S., Inc. 2015. Pre-excavation Soil Sampling and Excavation Work Plan, Former ARCO Olympia Bulk Terminal, Industrial Petroleum Distributors Site (Facility Identification No. 1436), 1120 West Bay Drive, Olympia, Washington. June 2.

Arcadis U.S., Inc. 2016. Construction Plans and Specifications Summary Report. October 3.

Washington State Department of Ecology, 2014. Cleanup Action Plan, Industrial Petroleum Distributors. October.

Washington State Department of Ecology, 2014a. Agreed Order No. DE 10470. October 24.

FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., TUMWATER, WASHINGTON, 2014

0 2500' 5000'

Approximate Scale: 1 in. = 2500 ft.

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BULK TERMINAL, 1120 WEST BAY DRIVE, OLYMPIA, WA
CLEANUP ACTION COMPLETION REPORT

SITE LOCATION MAP

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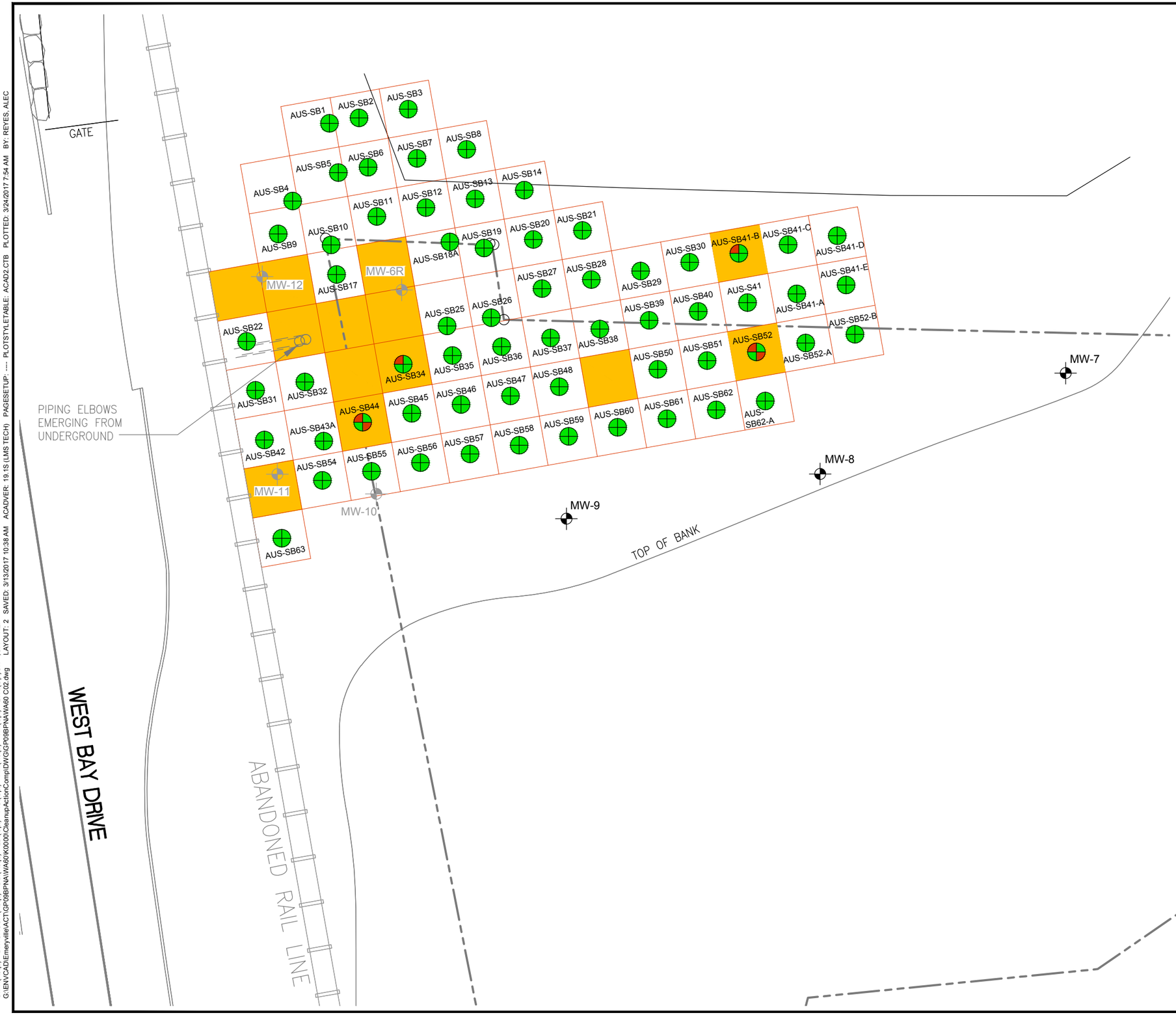
FIGURE 1



LEGEND

- SUBJECT PROPERTY LINE BOUNDARY
- MW-9 — GROUNDWATER MONITORING WELL
- MW-10 — ABANDONED GROUNDWATER MONITORING WELL
- NOT DETECTED ABOVE LABORATORY REPORTING LIMIT OR DETECTED BELOW OR = MTCA-A
- DETECTED > MTCA-A
- TPH-G / TPH-D/HO / cPAHs / Naph

TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS

TPH-D/HO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND HEAVY OIL ORGANICS RANGE

cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS ADJUSTED FOR TOXICITY

NAPH = NAPHTHALENES

MTCA-A = MTCA METHOD A CLEANUP LEVEL

EXCAVATION GRIDS

NOTE:
SHALLOW INTERVAL DEPTH IS FROM 0 to 5 FEET BELOW GROUND SURFACE

0 20' 40'

Approximate Scale: 1 in. = 20 ft.

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN MAY 2010 AND OCTOBER 2010.

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CLEANUP ACTION COMPLETION REPORT

PRE-EXCAVATION SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS - SHALLOW INTERVAL DEPTH

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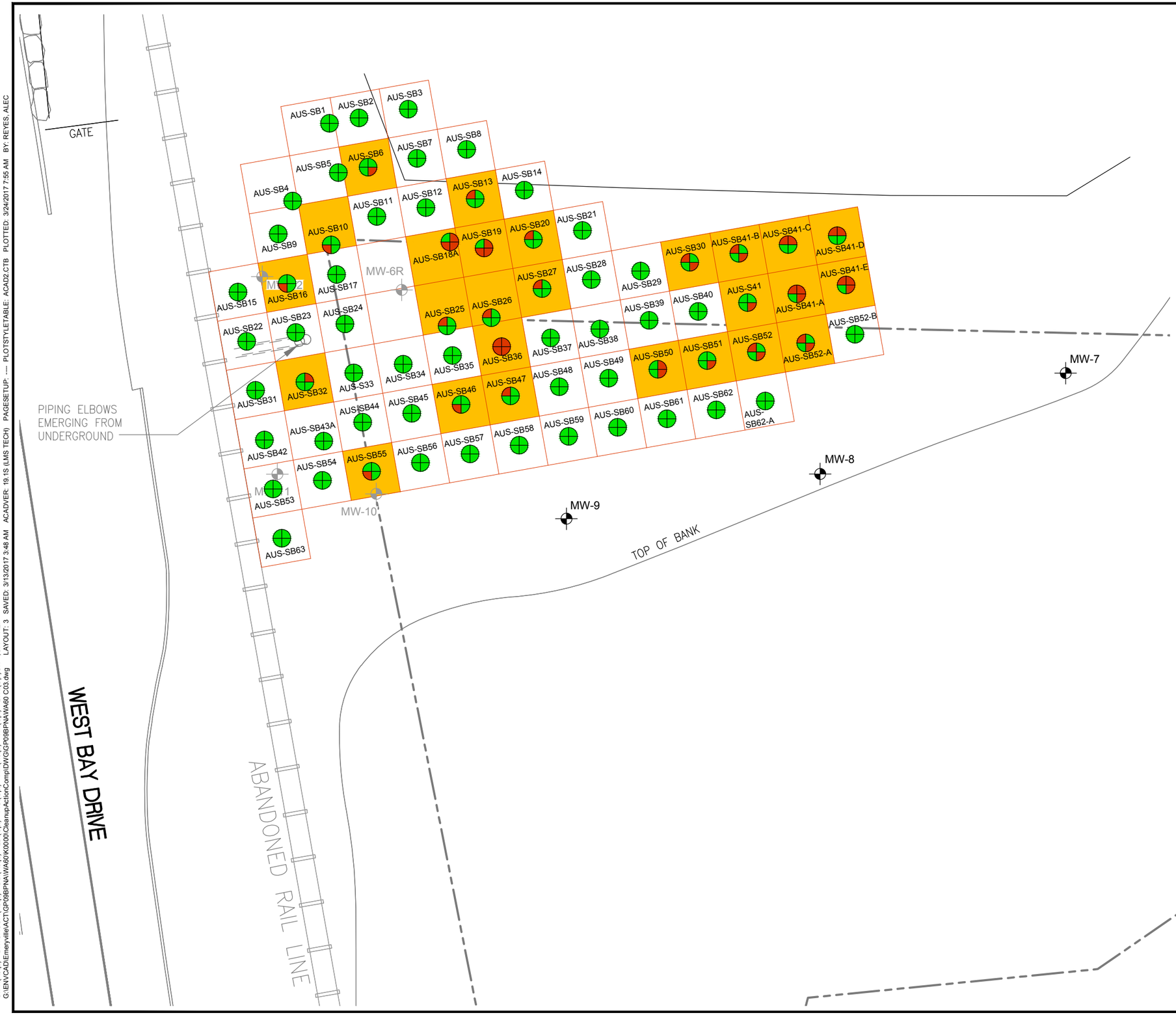
FIGURE 2



LEGEND

- SUBJECT PROPERTY LINE BOUNDARY
- MW-9 — GROUNDWATER MONITORING WELL
- MW-10 — ABANDONED GROUNDWATER MONITORING WELL
- NOT DETECTED ABOVE LABORATORY REPORTING LIMIT OR DETECTED BELOW OR = MTCA-A
- DETECTED > MTCA-A

TPH-G / TPH-D/HO / cPAHs / Naph

TPH-G	= TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
TPH-D/HO	= TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND HEAVY OIL ORGANICS RANGE
cPAH	= CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS ADJUSTED FOR TOXICITY
NAPH	= NAPHTHALENES
MTCA-A	= MTCA METHOD A CLEANUP LEVEL

- EXCAVATION GRIDS

NOTE:
MIDDLE INTERVAL DEPTH IS FROM 5 to 10 FEET BELOW GROUND SURFACE

0 20' 40'

Approximate Scale: 1 in. = 20 ft.

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN MAY 2010 AND OCTOBER 2010.

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CLEANUP ACTION COMPLETION REPORT

PRE-EXCAVATION SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS - MIDDLE INTERVAL DEPTH

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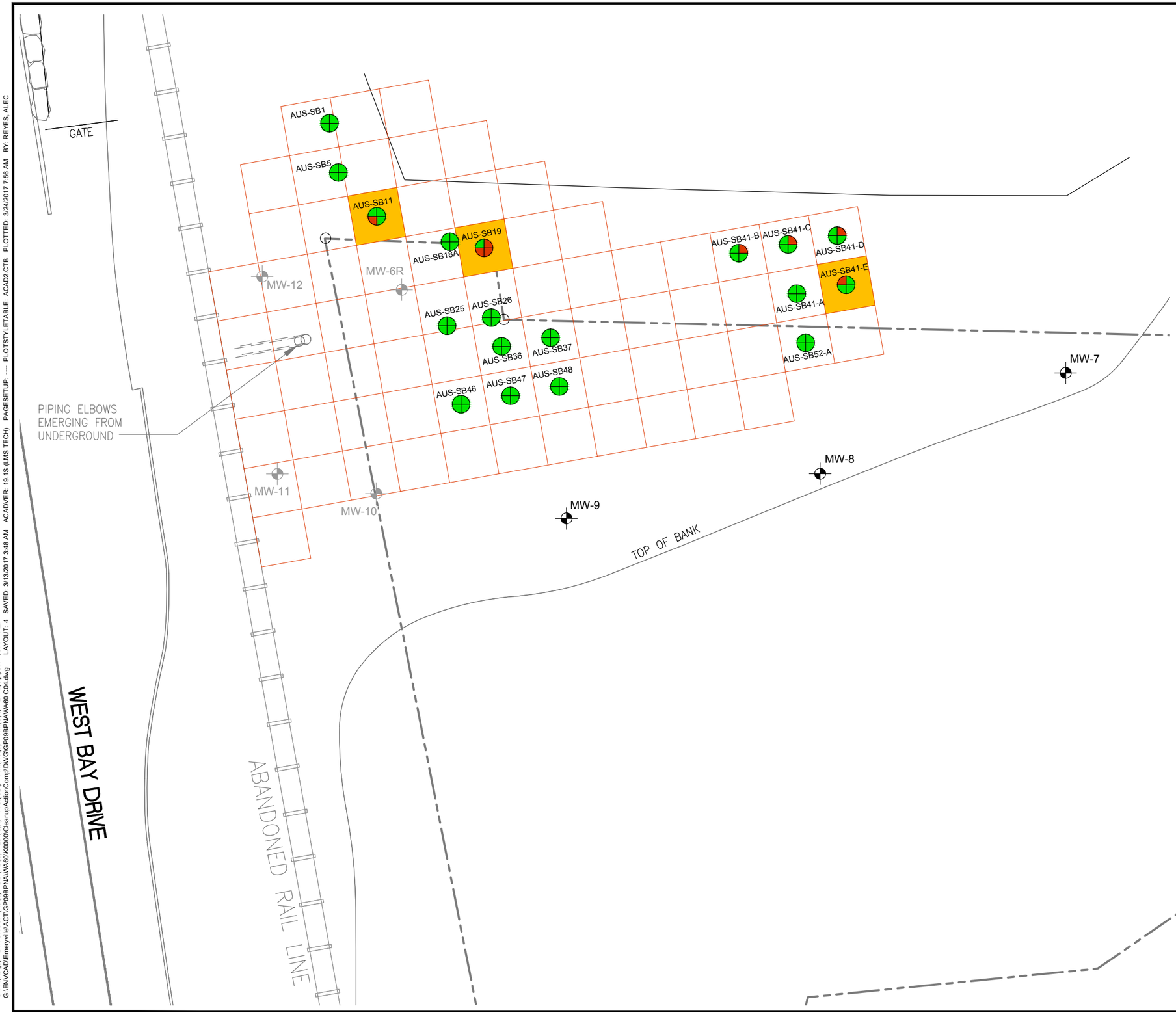
FIGURE 3



LEGEND

- SUBJECT PROPERTY LINE BOUNDARY
- MW-9 — GROUNDWATER MONITORING WELL
- MW-10 — ABANDONED GROUNDWATER MONITORING WELL
- NOT DETECTED ABOVE LABORATORY REPORTING LIMIT OR DETECTED BELOW OR = MTCA-A
- DETECTED > MTCA-A
- TPH-G / TPH-D/HO / cPAHs / Naph
- TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- TPH-D/HO = TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND HEAVY OIL ORGANICS RANGE
- cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS ADJUSTED FOR TOXICITY
- NAPH = NAPHTHALENES
- MTCA-A = MTCA METHOD A CLEANUP LEVEL
- EXCAVATION GRIDS

NOTE:
DEEP INTERVAL DEPTH IS FROM 10 to 15 FEET BELOW GROUND SURFACE

0 20' 40'

Approximate Scale: 1 in. = 20 ft.

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN MAY 2010 AND OCTOBER 2010.

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PRE-EXCAVATION SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS - DEEP INTERVAL DEPTH

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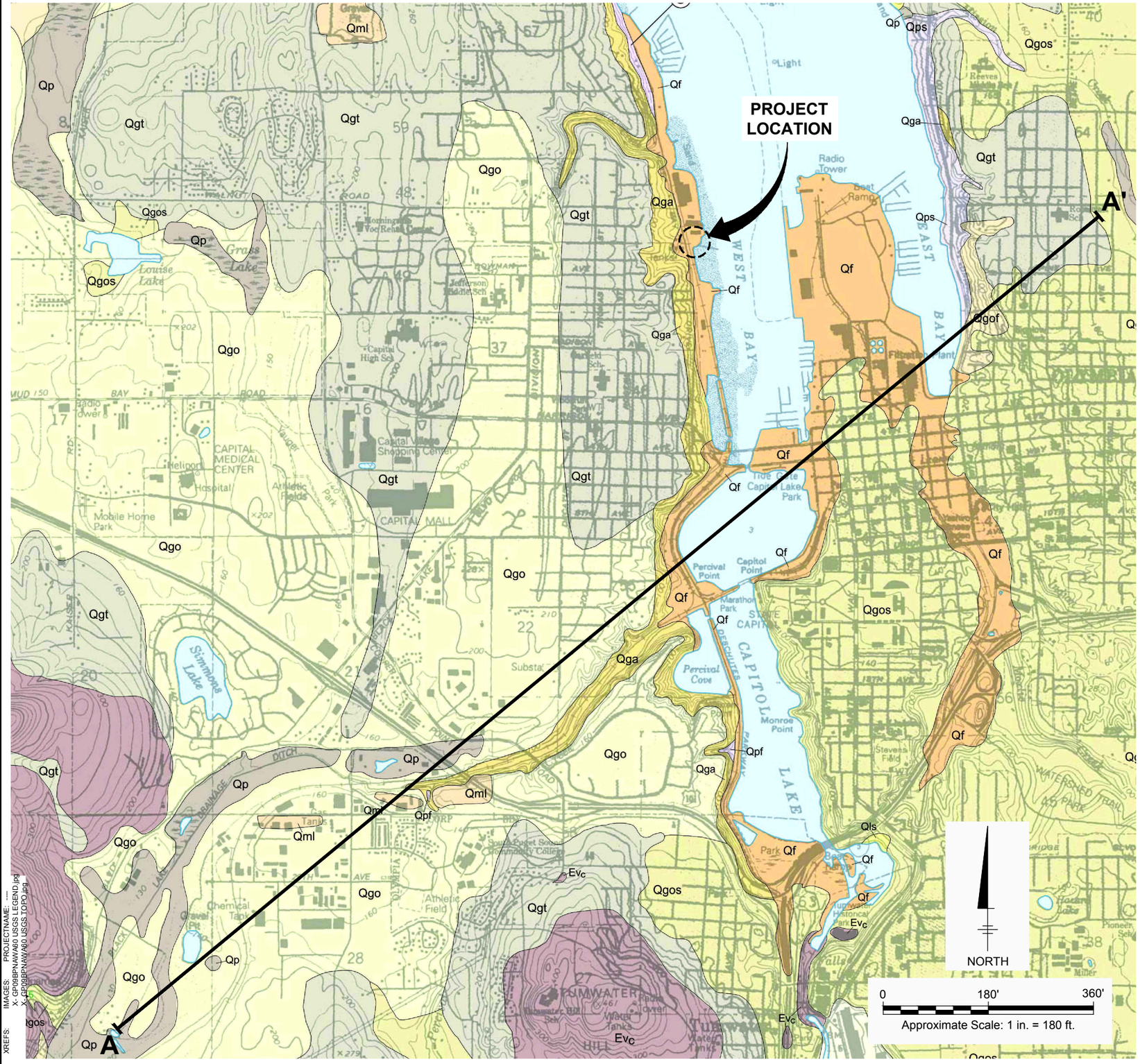
FIGURE 4

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACT\GP08BPNA\WA60\K0000\CleanupActionCompl\DWG\GP09BPNAWA60 C04.dwg LAYOUT: 4 SAVED: 3/13/2017 3:48 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ACAD2.CTB PLOTTED: 3/24/2017 7:56 AM BY: REYES, ALEC



GEOLOGIC DESCRIPTIONS

Qf — **Fill**—Clay, silt, sand, gravel, organic matter, shells, rip-rap, and debris emplaced to elevate the land surface and reshape surface morphology; includes engineered and non-engineered fills; shown only where fill placement is relatively extensive, sufficiently thick to be of geotechnical significance, and readily verifiable.

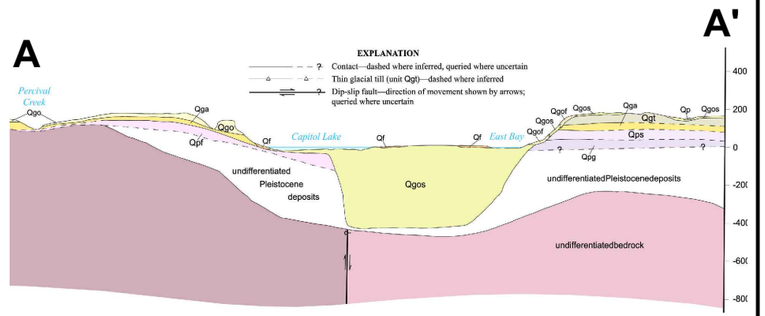
Qgof — **Latest Vashon fine-grained sediments**—Lacustrine clayey and (or) fine sandy silt with sparse, disseminated dropstones; laminated and commonly vertically jointed.

Qgos — **Latest Vashon recessional sand and minor silt—**Moderately well-sorted, moderately to well-rounded, fine- to medium-grained sand with minor silt; noncohesive and highly permeable; thickness inferred from wells reaches up to 420 ft.

Qgo — **Vashon recessional outwash—**Recessional and proglacial stratified, moderately to well-rounded, poorly to moderately sorted outwash sand and gravel, locally containing silt and clay; also contains lacustrine deposits and ice-contact stratified drift.

Qgt — **Vashon till**—Unsorted and highly compacted mixture of clay, silt, sand, and gravel deposited directly by glacier ice.

Qga — **Vashon advance outwash**—Sand and gravel and lacustrine clay, silt, and sand of northern source, deposited during glacial advance; may contain some nonglacial sediments, such as cobbles and rip-ups of silt or peat as lag along channel sides and bottoms.



NOTE:
ONLY MAJOR UNITS SHOWN OR THOSE RELATIVE TO THE SITE ARE DESCRIBED HERE. FOR FULL DECRIPTIONS, REFER TO THE WASHINGTON DEPARTMENT OF NATURAL RESOURCES.

SOURCE:
WASHINGTON STATE DEPARTMENT OF Natural Resources

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AREA GEOLOGIC MAP

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FIGURE
5

GATE

PIPING CUT AND CAPPED UNDERGROUND AT EDGE OF EXCAVATION

MW-12

MW-6R

MW-11

MW-10

MW-13

MW-9

MW-8

MW-7

TOP OF BANK

WEST BAY DRIVE

ABANDONED RAIL LINE

ABANDONED PIER

LEGEND

- SUBJECT PROPERTY LINE BOUNDARY
- GROUNDWATER MONITORING WELL
- DECOMMISSIONED WELL
- MONITORING WELL INSTALLED POST EXCVATION
- PRE-EXCAVATION SOIL INVESTIGATION GRID
- EXCAVATION EXTENT

0 20' 40'

Approximate Scale: 1 in. = 20 ft.

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN MAY 2010 AND OCTOBER 2010.

BP WEST COAST PRODUCTS LLC
FORMER INDUSTRIAL PETROLEUM DISTRIBUTORS
BULK TERMINAL, 1120 WEST BAY DRIVE, OLYMPIA, WA
CLEANUP ACTION COMPLETION REPORT

POST EXCAVATION SITE MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

APPENDIX A

Waste Disposal and Import Material Documentation

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. G00707-CL24346

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***PENDING*** GENERATOR NAME: ***Clearcreek Contractors, Inc.***

GENERATOR CODE (Assigned by Clean Harbors) ***CL23776*** CITY ***Marysville*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98270***

ADDRESS ***3919 88th Street Ne*** PHONE: **(425) 252-5800**

CUSTOMER CODE (Assigned by Clean Harbors) ***CL23776*** CUSTOMER NAME: ***Clearcreek Contractors, Inc.***

ADDRESS ***3919 88th Street Ne*** CITY ***Marysville*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98270***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Non-Hazardous Wastewater for DAF Treatment***

PROCESS GENERATING WASTE: **Varies. Site monitoring, ship cleaning, other tank cleaning, etc.**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
  - % FREE LIQUID ***99.00 - 100.00***
  - % SETTLED SOLID ***0.00 - 1.00***
  - % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

[x] 1 2 3

% BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)
- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

clear

ODOR
- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- [x] 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- [x] 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	–	MAX	UOM
OTHER CONSTITUENTS AT NON HAZARDOUS CONCENTRATIONS	1.0000000	–	10.0000000	%
WATER	90.0000000	–	99.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G09***

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W113***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Process knowledge / review of process input labels or msds

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

Clean Harbors Profile No. G00707-CL24346

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON DOT REGULATED MATERIAL, (PROCESS WATER FOR DAF TREATMENT)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY ☑ YEARLY OTHER

CONTAINERIZED

0-0 CONTAINERS/SHIPMENT

STORAGE CAPACITY:
CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE
CUBIC YARD BOX DRUM
OTHER: DRUM SIZE:

☑ **BULK LIQUID**

GALLONS/SHIPMENT: ***500.00 Min -5000.00 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

At minimum. a WAF with data report is required for facility acceptance.
Emerald profile number- G00707

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Paul R Curnett	PAUL CURNETT	PM	11/10/16

EMERALD Environmental

Quality control data available upon request.

Emerald Recycling Laboratory

Sample Identification: **Clearcreek Contractors**
Sampled By/Contact Person: **Chuck S/Danielle A**
Sample Physical Description: **aqueous**
Chain of Custody Number: **Project ID: 216076**

Emerald Lab ID #:**161109-0C**
Date Sampled: **10-10-16**

Sample Description	**pale yellow water**
Sample ID on COC	**#216076**
Prep Method: **RCRA metals (no Hg)** (ppm)	☒ **Total metals**: ☒ Aqueous Liquids ☐ Solids* ☐ Oils Prep Method: EPA 3050B *divide by 20 for TCLP estimates ☐ **TCLP** EPA 1311
Arsenic	**<0.10**
Barium	**<0.10**
Cadmium	**<0.10**
Chromium	**<0.10**
Lead	**<0.10**
Selenium	**<0.10**
Silver	**<0.10**
↓TOTAL METALS ONLY (do not divide by 20)↓	
Copper	**<0.10**
Nickel	**<0.10**
Vanadium	**<0.10**
Zinc	**<0.10**

☒ **pH**	**7.64**
☐ **Hydroclor®**	
☐ **Benzene**[1] (ppm)	
☐ **PCB's in Oil**[2] (ppm)	
☐ **Chlor-d-Tect®**	
☐ **Chlor-d-Tect® 4000**	
☐ **Flash Point** (° F)	
☐ **BTU / Lb**	
☐ **Percent Water**	
☐ **Percent & Type Glycol**	
☐	
☐	

1 = Non- Accredited Parameter 2 = PCB's screened are Aroclors 1242/1248/1016/1232, Aroclor 1254, and Aroclor 1260

Analyst: **Elizabeth Twohig-Gibson** Date: 11-9-16

Notes:

The data on this form is to be used for verification only, and is not intended to be used for designation purposes under 40 CFR 261 or WAC 173-303

EMERALD
An Environmental Company

7343 E. MARGINAL WAY SOUTH
SEATTLE, WASHINGTON 98108
PH. (206) 832-3000
FAX (206) 832-3030
24 HOUR EMERGENCY PHONE: 1-888-832-3008

75781

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR Clean Water	CONTACT	JOB # 1603776180
ADDRESS 1120 West Bay Dr NW	PHONE#	LOAD # 2
CITY, STATE, ZIP Olympia WA		DATE 11 16 16
CARRIER Emerald	PHONE#	DOCUMENT # 75781
CONSIGNEE SRS	CONTACT	TRUCK # 148 3055
ADDRESS 1500 APW So	PHONE#	PRODUCT TYPE Liq
CITY, STATE, ZIP Seattle WA		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A	None Regulated material by DOT		TT	1500
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: 600707 C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO (✓) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR. Part 261 or 40 CFR Part 761.

X Eric Kwasny — SHIPPER (PRINT NAME) — X _____ SIGNATURE — DATE: 11/16/16

X Phil Sandoz — CARRIER - DRIVER 1 (PRINT NAME) — X _____ SIGNATURE — DATE: 11 16 16

X _____ CARRIER - DRIVER 2 (PRINT NAME) — X _____ SIGNATURE — DATE: _____

X _____ CONSIGNEE (PRINT NAME) — X _____ SIGNATURE — DATE: _____

G-2

CUSTOMER

EMERALD
An Environmental Company

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75782

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR Clear Creek	CONTACT	JOB #
ADDRESS 1120 West Bay Dr	PHONE#	LOAD # 1
CITY, STATE, ZIP Olympia WA		DATE 11 16 16
CARRIER Emerald	PHONE#	DOCUMENT # 75782
CONSIGNEE ERS	CONTACT	TRUCK # 148 3055
ADDRESS 1500 APW So	PHONE#	PRODUCT TYPE Liq
CITY, STATE, ZIP Seattle WA		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A	None Regulated material by DOT		TT	5800
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: _____ C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO (✓) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

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X Eric Younger — SHIPPER (PRINT NAME) — X _____ SIGNATURE — DATE: 11/16/16

X PHIL SANCHEZ — CARRIER - DRIVER 1 (PRINT NAME) — X _____ SIGNATURE — DATE: 11 16 16

X _____ CARRIER - DRIVER 2 (PRINT NAME) — X _____ SIGNATURE — DATE: _____

X _____ CONSIGNEE (PRINT NAME) — X _____ SIGNATURE — DATE: _____

G-2

CUSTOMER

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An Environmental Company

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75756

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CLEARCREEK CONST	CONTACT	JOB #
ADDRESS	1120 W BAY DR NW	PHONE#	LOAD # 1
CITY, STATE, ZIP	OLYMPIA, WA		DATE 11/16/16
CARRIER	ESI	PHONE#	DOCUMENT # 75756
CONSIGNEE	ERS	CONTACT	TRUCK # 68/109/683052
ADDRESS	1500 AIRPORT WAY	PHONE#	PRODUCT TYPE L
CITY, STATE, ZIP	SEA, WA		EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A	NON REGULATED WASTE	1	TT	5750
	B				
	C				
	D				

A. WPQ # _____ DISP. CODE: G00707-CL24346 C. WPQ # _____ DISP. CODE: _____

B. WPQ # _____ DISP. CODE: _____ D. WPQ # _____ DISP. CODE: _____

DISPOSAL

DUMP DELAY TIME _____

WASH OUT: YES ( ) NO (✓) TIME IN _____ TIME OUT _____

E. WATER _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

F. SOLIDS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

_____ % SUSPENDED SOLIDS BY CENTRIFUGE + _____ GALS SEDIMENT

G. OIL/DIESEL/GAS _____ GALLONS LOCATION _____ TEST _____ DISP. CODE _____

HOC'S _____ PCB'S _____ B.S.&W. _____ API _____ LAB: Y / N

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X Eric Kuecker — SHIPPER (PRINT NAME) — X _____ SIGNATURE — DATE: 11/16/16

X Pete Lanpati — CARRIER - DRIVER 1 (PRINT NAME) — X _____ SIGNATURE — DATE: 11/16/16

X _____ CARRIER - DRIVER 2 (PRINT NAME) — X _____ SIGNATURE — DATE: _____

X _____ CONSIGNEE (PRINT NAME) — X _____ SIGNATURE — DATE: _____

G-2

CUSTOMER

EMERALD An Environmental Company

7343 E. MARGINAL WAY SOUTH
SEATTLE, WASHINGTON 98108
PH. (206) 832-3000
FAX (206) 832-3030
24 HOUR EMERGENCY PHONE: 1-888-832-3008

75757

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR	CLEARCREEK CONST	CONTACT		JOB # 1603774/80
ADDRESS	1120 WEST BAY DR NW	PHONE#		LOAD # 2
CITY, STATE, ZIP	OLYMPIA, WA			DATE 11/16/16
CARRIER	E81	PHONE#		DOCUMENT # 75757
CONSIGNEE	ERS	CONTACT		TRUCK # 681009/683002
ADDRESS	1500 AIRPORT WAY	PHONE#		PRODUCT TYPE L
CITY, STATE, ZIP	SEA, WA			EST. GALLONS

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A	NON REGULATED WASTE	1	TT	5500
	B				
	C				
	D				

A. WPQ # ______ DISP. CODE: GW0707 CL24346 C. WPQ # ______ DISP. CODE: ______

B. WPQ # ______ DISP. CODE: ______ D. WPQ # ______ DISP. CODE: ______

DISPOSAL

DUMP DELAY TIME ______

WASH OUT: YES ( ) NO (✓) TIME IN ______ TIME OUT ______

E. WATER ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

F. SOLIDS ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

______ % SUSPENDED SOLIDS BY CENTRIFUGE + ______ GALS SEDIMENT

G. OIL/DIESEL/GAS ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

HOC'S ______ PCB'S ______ B.S.&W. ______ API ______ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR. Part 261 or 40 CFR Part 761.

X Eric Kr[illegible] SHIPPER (PRINT NAME) — X [signature] SIGNATURE — DATE: 11/16/16

X PETE LAURATI CARRIER - DRIVER 1 (PRINT NAME) — X [signature] SIGNATURE — DATE: 11/16/16

X ______ CARRIER - DRIVER 2 (PRINT NAME) — X ______ SIGNATURE — DATE: ______

X ______ CONSIGNEE (PRINT NAME) — X ______ SIGNATURE — DATE: ______

G-2

CUSTOMER

EMERALD
An Environmental Company

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SEATTLE, WASHINGTON 98108
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24 HOUR EMERGENCY PHONE: 1-888-832-3008

75747

BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR ClearCreek	CONTACT	JOB #
ADDRESS 1120 WEST BAY DR.	PHONE#	LOAD # 1
CITY, STATE, ZIP Oly WA		DATE 11/16/16
CARRIER EES	PHONE#	DOCUMENT # 75747
CONSIGNEE EES	CONTACT	TRUCK # 68
ADDRESS 1500 airport way S	PHONE#	PRODUCT TYPE LIQ
CITY, STATE, ZIP SEA WA		EST. GALLONS 5804

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
	A	non-regulated waste by DOT	1	TT	5804
	B				
	C				
	D				

A. WPQ # ______ DISP. CODE: G0707 C. WPQ # ______ DISP. CODE: ______

B. WPQ # ______ DISP. CODE: ______ D. WPQ # ______ DISP. CODE: ______

DISPOSAL

DUMP DELAY TIME ______

WASH OUT: YES ( ) NO (X) TIME IN ______ TIME OUT ______

E. WATER ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

F. SOLIDS ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

______ % SUSPENDED SOLIDS BY CENTRIFUGE + ______ GALS SEDIMENT

G. OIL/DIESEL/GAS ______ GALLONS LOCATION ______ TEST ______ DISP. CODE ______

HOC'S ______ PCB'S ______ B.S.&W. ______ API ______ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR. Part 261 or 40 CFR Part 761.

X Eric Krueger — SHIPPER (PRINT NAME) — X [signature] SIGNATURE — DATE: 11/16/16

X D Wilber — CARRIER - DRIVER 1 (PRINT NAME) — X [signature] SIGNATURE — DATE: 11/16/16

X ______ CARRIER - DRIVER 2 (PRINT NAME) — X ______ SIGNATURE — DATE: ______

X ______ CONSIGNEE (PRINT NAME) — X ______ SIGNATURE — DATE: ______

G-2

CUSTOMER

Cowlitz County Dept of Public Works

Cowlitz County Landfill - Charge Transaction Summary

From 10/1/2016 to 10/31/2016

Transaction Summary # 20162750006 Date: 10/31/2016

Please note that transactions may detail on more than one summary sheet.
See the month-end invoice for complete information on all charges, adjustments and the balance due.

Clearcreek Contractors Inc
Attn: Mark McCullough
3919 88th Street NE

Marysville WA 98270

Remit to: Cowlitz County Public Works
1600 - 13th Avenue South
Kelso, WA 98626

Account # 8130

Instructions: Please include the Account # and a copy of this invoice with your payment.

Due Date: **12/16/2016**

Late Payment Charge: **1% of Past Due Balance. Minimum of $10.00/month.**

If you have questions, please call: Cowlitz County Public Works @ (360) 577-3030

Make checks payable to: Cowlitz County Public Works (CCPW)

Cowlitz County Dept of Public Works

Cowlitz County Landfill - Charge Transaction Summary

From 10/1/2016 to 10/31/2016

Totals by Date

Day of Week	Date	Count	Weight
Tuesday	10/11/2016	2	59.61
Wednesday	10/12/2016	14	415.19
Monday	10/24/2016	17	469.58
Totals		33	944.38

Totals by Category

Transaction Details

Site	Date	Time	Trans #	Truck	Trlr	Material Type	Weights Gross	Tare	Ne	Fees
LF	10/11/2016	11:24:00 AM	463587	8130	0	58=PCS 5	54.10	21.03	33.07	
LF	10/11/2016	11:51:00 AM	463593	8130	0	58=PCS 5	46.57	20.03	26.54	
LF	10/12/2016	7:22:00 AM	463602	8130	0	58=PCS 5	50.43	20.80	29.63	
LF	10/12/2016	11:06:00 AM	463608	8130	0	58=PCS 5	51.09	20.03	31.06	
LF	10/12/2016	11:11:00 AM	463611	8130	0	58=PCS 5	51.96	20.75	31.21	
LF	10/12/2016	11:13:00 AM	463612	8130	0	58=PCS 5	50.70	20.80	29.90	
LF	10/12/2016	11:32:00 AM	463619	8130	0	58=PCS 5	47.52	20.03	27.49	
LF	10/12/2016	11:37:00 AM	463621	8130	0	58=PCS 5	50.08	20.60	29.48	
LF	10/12/2016	11:45:00 AM	463622	8130	0	58=PCS 5	51.52	19.60	31.92	
LF	10/12/2016	11:49:00 AM	463625	8130	0	58=PCS 5	52.24	20.80	31.44	
LF	10/12/2016	11:50:00 AM	463626	8130	0	58=PCS 5	53.13	20.75	32.38	
LF	10/12/2016	11:58:00 AM	463630	8130	0	58=PCS 5	47.25	20.40	26.85	
LF	10/12/2016	2:12:00 PM	463631	8130	0	58=PCS 5	44.44	19.60	24.84	
LF	10/12/2016	2:18:00 PM	463632	8130	0	58=PCS 5	43.96	20.03	23.93	
LF	10/12/2016	2:29:00 PM	463636	8130	0	58=PCS 5	52.65	20.75	31.90	
LF	10/12/2016	2:30:00 PM	463637	8130	0	58=PCS 5	53.96	20.80	33.16	
LF	10/24/2016	6:36:00 AM	463643	8130	0	58=PCS 5	50.10	20.03	30.07	
LF	10/24/2016	6:46:00 AM	463648	8130	0	58=PCS 5	48.90	20.40	28.50	
LF	10/24/2016	7:06:00 AM	463649	8130	0	58=PCS 5	48.51	19.60	28.91	
LF	10/24/2016	7:09:00 AM	463653	8130	0	58=PCS 5	53.60	20.75	32.85	
LF	10/24/2016	7:14:00 AM	463659	8130	0	58=PCS 5	44.28	19.60	24.68	
LF	10/24/2016	7:15:00 AM	463660	8130	0	58=PCS 5	49.12	19.90	29.22	
LF	10/24/2016	7:17:00 AM	463661	8130	0	58=PCS 5	53.72	20.80	32.92	
LF	10/24/2016	7:21:00 AM	463665	8130	0	58=PCS 5	57.15	20.75	36.40	
LF	10/24/2016	7:22:00 AM	463667	8130	0	58=PCS 5	38.53	19.60	18.93	
LF	10/24/2016	7:23:00 AM	463668	8130	0	58=PCS 5	40.96	20.80	20.16	
LF	10/24/2016	7:36:00 AM	463677	8130	0	58=PCS 5	44.48	20.03	24.45	
LF	10/24/2016	7:37:00 AM	463678	8130	0	58=PCS 5	43.31	19.60	23.71	
LF	10/24/2016	7:40:00 AM	463683	8130	0	58=PCS 5	38.43	20.03	18.40	
LF	10/24/2016	7:41:00 AM	463684	8130	0	58=PCS 5	53.35	20.75	32.60	

Pass

Cowlitz County Dept of Public Works

Cowlitz County Landfill - Charge Transaction Summary

From 10/1/2016 to 10/31/2016

Transaction Details

Site	Date	Time	Trans #	Truck	Trlr	Material Type	Weights Gross	Weights Tare	Weights Net	Fees
LF	10/24/2016	8:19:00 AM	463717	8130	0	58=PCS 5	49.38	20.03	29.35	
LF	10/24/2016	8:33:00 AM	463729	8130	0	58=PCS 5	48.32	20.03	28.29	
LF	10/24/2016	8:53:00 AM	463754	8130	0	58=PCS 5	50.17	20.03	30.14	

#Name?

Transaction Listing - By Billing Account

FROM: Tuesday, October 11, 2016 TO: Friday, October 28, 2016
For Selected Accounts and All Sites

By Billing Account

								----------Type Codes----------					
Trans. #	Site	Account	Truck #	Trailer #	Date Out	Time Out	Net Weight	Tran	Pay	Veh	Org	Mat	Dest
Billing Acct #		***8130***	***Clearcreek***										
463587	LF	8130	8130	0	10-11-2016	11:24:00 AM	33.07	1	1	13	26	58	32
463593	LF	8130	8130	0	10-11-2016	11:51:00 AM	26.54	1	1	13	26	58	32
463602	LF	8130	8130	0	10-12-2016	7:22:00 AM	29.63	1	1	13	26	58	32
463608	LF	8130	8130	0	10-12-2016	11:06:00 AM	31.06	1	1	13	26	58	32
463611	LF	8130	8130	0	10-12-2016	11:11:00 AM	31.21	1	1	13	26	58	32
463612	LF	8130	8130	0	10-12-2016	11:13:00 AM	29.90	1	1	13	26	58	32
463619	LF	8130	8130	0	10-12-2016	11:32:00 AM	27.49	1	1	13	26	58	32
463621	LF	8130	8130	0	10-12-2016	11:37:00 AM	29.48	1	1	13	26	58	32
463622	LF	8130	8130	0	10-12-2016	11:45:00 AM	31.92	1	1	13	26	58	32
463625	LF	8130	8130	0	10-12-2016	11:49:00 AM	31.44	1	1	13	26	58	32
463626	LF	8130	8130	0	10-12-2016	11:50:00 AM	32.38	1	1	13	26	58	32
463630	LF	8130	8130	0	10-12-2016	11:58:00 AM	26.85	1	1	13	26	58	32
463631	LF	8130	8130	0	10-12-2016	2:12:00 PM	24.84	1	1	13	26	58	32
463632	LF	8130	8130	0	10-12-2016	2:18:00 PM	23.93	1	1	13	26	58	32
463636	LF	8130	8130	0	10-12-2016	2:29:00 PM	31.90	1	1	13	26	58	32
463637	LF	8130	8130	0	10-12-2016	2:30:00 PM	33.16	1	1	13	26	58	32
463643	LF	8130	8130	0	10-24-2016	6:36:00 AM	30.07	1	1	13	26	58	32
463648	LF	8130	8130	0	10-24-2016	6:46:00 AM	28.50	1	1	13	26	58	32
463649	LF	8130	8130	0	10-24-2016	7:06:00 AM	28.91	1	1	13	26	58	32
463653	LF	8130	8130	0	10-24-2016	7:09:00 AM	32.85	1	1	13	26	58	32
463659	LF	8130	8130	0	10-24-2016	7:14:00 AM	24.68	1	1	13	26	58	32
463660	LF	8130	8130	0	10-24-2016	7:15:00 AM	29.22	1	1	13	26	58	32
463661	LF	8130	8130	0	10-24-2016	7:17:00 AM	32.92	1	1	13	26	58	32
463665	LF	8130	8130	0	10-24-2016	7:21:00 AM	36.40	1	1	13	26	58	32
463667	LF	8130	8130	0	10-24-2016	7:22:00 AM	18.93	1	1	13	26	58	32
463668	LF	8130	8130	0	10-24-2016	7:23:00 AM	20.16	1	1	13	26	58	32

By Billing Account

Trans. #	Site	Account	Truck #	Trailer #	Date Out	Time Out	Net Weight	----------Type Codes---------- Tran	Pay	Veh	Org	Mat	Dest
463677	LF	8130	8130	0	10-24-2016	7:36:00 AM	24.45	1	1	13	26	58	32
463678	LF	8130	8130	0	10-24-2016	7:37:00 AM	23.71	1	1	13	26	58	32
463683	LF	8130	8130	0	10-24-2016	7:40:00 AM	18.40	1	1	13	26	58	32
463684	LF	8130	8130	0	10-24-2016	7:41:00 AM	32.60	1	1	13	26	58	32
463717	LF	8130	8130	0	10-24-2016	8:19:00 AM	29.35	1	1	13	26	58	32
463729	LF	8130	8130	0	10-24-2016	8:33:00 AM	28.29	1	1	13	26	58	32
463754	LF	8130	8130	0	10-24-2016	8:53:00 AM	30.14	1	1	13	26	58	32

# of Transactions 33 **Total Tons:** 944.38 **Total $:**

Report Totals:

# of Transactions 33 **Total Tons:** 944.38 **Total $:**

Account: Clearcreek Contractors

Transaction Number	Service	Account	Material	Net Weight	Converted Units	
7900 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" clean	63900 lb	31.95 tn	$
7907 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" clean	64600 lb	32.30 tn	$
7910 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" clean	61620 lb	30.81 tn	$
7913 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65620 lb	32.81 tn	$
7919 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64380 lb	32.19 tn	$
7923 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65560 lb	32.78 tn	$
7928 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65880 lb	32.94 tn	$
7931 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	66500 lb	33.25 tn	$
7933 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65500 lb	32.75 tn	$
7937 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65980 lb	32.99 tn	$
8005 - 1	Ken Miller Trucking - Ken Mil	Clearcreek Contractors	1 1/4" minus	26360 lb	13.18 tn	$
8054 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	63180 lb	31.59 tn	$
8058 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64320 lb	32.16 tn	$
8061 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34820 lb	17.41 tn	$
8063 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	67480 lb	33.74 tn	$
8066 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34700 lb	17.35 tn	$
8068 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	66120 lb	33.06 tn	$
8071 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34860 lb	17.43 tn	$
8072 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64940 lb	32.47 tn	$
8074 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34100 lb	17.05 tn	$
8075 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64680 lb	32.34 tn	$
8079 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	35060 lb	17.53 tn	$
8081 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65700 lb	32.85 tn	$
8085 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34700 lb	17.35 tn	$
8089 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65800 lb	32.90 tn	$
8091 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34920 lb	17.46 tn	$
8095 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64180 lb	32.09 tn	$
8097 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34320 lb	17.16 tn	$
8103 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64900 lb	32.45 tn	$
8104 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34800 lb	17.40 tn	$
8106 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65100 lb	32.55 tn	$
8107 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	35280 lb	17.64 tn	$
8110 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65800 lb	32.90 tn	$
8116 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	~~6/8 minus~~ 1 1/4" minus	66300 lb	33.15 tn	$
8148 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58460 lb	29.23 tn	$
8154 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58940 lb	29.47 tn	$

Voided tickets are excluded

8159 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	59040 lb	29.52 tn
8160 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	30380 lb	15.19 tn
8164 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58380 lb	29.19 tn
8166 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	28880 lb	14.44 tn
8169 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	59660 lb	29.83 tn
8170 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	30340 lb	15.17 tn
8177 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	29420 lb	14.71 tn
8178 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58240 lb	29.12 tn
8179 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	30280 lb	15.14 tn
8181 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	59440 lb	29.72 tn
8182 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	29680 lb	14.84 tn
8184 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58780 lb	29.39 tn
8185 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	29380 lb	14.69 tn
8188 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	59780 lb	29.89 tn
8189 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	30480 lb	15.24 tn
8194 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58580 lb	29.29 tn
8195 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	28460 lb	14.23 tn
8198 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	30040 lb	15.02 tn
8199 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	59220 lb	29.61 tn
8202 - 1	Cereghino Concrete & Landsc	Clearcreek Contractors	1 1/4" minus	29760 lb	14.88 tn
8206 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	57840 lb	28.92 tn
8207 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58180 lb	29.09 tn
8209 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58380 lb	29.19 tn
8212 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	57920 lb	28.96 tn
8213 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58160 lb	29.08 tn
8215 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58600 lb	29.30 tn
8216 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	58260 lb	29.13 tn
8217 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	57120 lb	28.56 tn
8220 - 1	Tom Kelly Trucking - Tom Kel	Clearcreek Contractors	1 1/4" minus	57900 lb	28.95 tn
8228 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34620 lb	17.31 tn
8229 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34420 lb	17.21 tn
8232 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	33900 lb	16.95 tn
8236 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	33920 lb	16.96 tn
8238 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34720 lb	17.36 tn
8242 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34400 lb	17.20 tn
8245 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34280 lb	17.14 tn
8248 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	35260 lb	17.63 tn
8251 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	34340 lb	17.17 tn
8252 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	35280 lb	17.64 tn
8256 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	33760 lb	16.88 tn
8274 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64940 lb	32.47 tn
8278 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	64300 lb	32.15 tn
8283 - 1	Clearcreek Contractors - Clear	Clearcreek Contractors	1 1/4" minus	65400 lb	32.70 tn
Account Clearcreek Contractors Tota				3943480 lb	

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7933	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 1:14:41PM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	104720 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract	Clearcreek Tax Exempt - Permit Nl	Net:	65500 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 1:14:41PM	Black Lake Scale	104720 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65500 lb	32.751
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7931	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 12:35:03PM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	105720 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	66500 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 12:35:03PM	Black Lake Scale	105720 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 1 1 4	tn	66500 lb	33.25 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7928	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 11:54:54AM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	105100 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	65880 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 11:54:54AM	Black Lake Scale	105100 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65880 lb	32.94

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7923	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 11:16:15AM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	104780 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract:	Clearcreek Tax Exempt - Permit Nl	Net:	65560 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 11:16:15AM	Black Lake Scale	104780 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65560 lb	32.78
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7919	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 10:37:57AM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	103600 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	64380 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 10:37:57AM	Black Lake Scale	103600 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64380 lb	32.19 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7913	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 10:02:01AM	Vehicle	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	104840 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract	Clearcreek Tax Exempt - Permit Ni	Net:	65620 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 10:02:00AM	Black Lake Scale	104840 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65620 lb	32.81 t

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	7937	Hauler:	Clearcreek Contractors
Transaction Date:	9/29/2016 1:58:25PM	Vehicle:	Clearcreek Truck #244 - T & T
Load	1		
Operation:	Shipped	Gross:	105200 lb
Account:	Clearcreek Contractors	Tare: (PT)	39220 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	65980 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	9/29/2016 1:58:25PM	Black Lake Scale	105200 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65980 lb	32.99

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

6076

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 9005
Transaction Date: 10/5/2016 7:33:06AM

Hauler: Ken Miller Trucking
Vehicle: Ken Miller Truck # 4 - Green 10yd

Load 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit N

Gross: 49200 lb
Tare: (PT) 22840 lb
Net: 26360 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/5/2016 7:33:06AM	Black Lake Scale	49200 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	26360 lb	13.18 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8061	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 8:58:29AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62500 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	34820 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 8:58:28AM	Black Lake Scale	62500 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34820 lb	17.41 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8066	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 9:31:02AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62380 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34700 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 9:31:01AM	Black Lake Scale	62380 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34700 lb	17.35 tn
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8071	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 10:06:22AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62540 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34860 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 10:06:22AM	Black Lake Scale	62540 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	ln	34860 lb	17.43 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8074	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 10:37:54AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	61780 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Ni	Net:	34100 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 10:37:53AM	Black Lake Scale	61780 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34100 lb	17.05 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8079	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 11:09:25AM	Vehicle:	Clearcreek Truck #44 - Solo

Load	1			
Operation:	Shipped	Gross:		62740 lb
Account:	Clearcreek Contractors	Tare:	(PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:		35060 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 11:09:25AM	Black Lake Scale	62740 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	35060 lb	17.53 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8085	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 11:39:24AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62380 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	34700 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 11:39:23AM	Black Lake Scale	62380 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34700 lb	17.35 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 8091
Transaction Date: 10/10/2016 12:12:00PM

Hauler: Clearcreek Contractors
Vehicle: Clearcreek Truck #44 - Solo

Load 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit Nı

Gross: 62600 lb
Tare: (PT) 27680 lb
Net: 34920 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 12:12:00PM	Black Lake Scale	62600 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34920 lb	17.46 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8097	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 12:47:39PM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62000 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Nu	Net:	34320 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 12:47:39PM	Black Lake Scale	62000 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34320 lb	17.16 tn
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8104	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 1:34:11PM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62480 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34800 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 1:34:11PM	Black Lake Scale	62480 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34800 lb	17.40 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8107	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 2:06:38PM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62960 lb
Account:	Clearcreek Contractors	Tare: (PT)	27680 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	35280 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 2:06:37PM	Black Lake Scale	62960 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	35280 lb	17.64 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

216076

2640 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8054	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 7:11:35AM	Vehicle:	Clearcreek Truck #244 - T & T

Load	1			
Operation:	Shipped	Gross:		103240 lb
Account:	Clearcreek Contractors	Tare:	(PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:		63180 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 7:11:34AM	Black Lake Scale	103240 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	63180 lb	31.59 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8058	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 8:04:42AM	Vehicle:	Clearcreek Truck #43 - T & T

Load	1			
Operation:	Shipped	Gross:		104380 lb
Account:	Clearcreek Contractors	Tare:	(PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Ni	Net:		64320 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 8:04:41AM	Black Lake Scale	104380 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64320 lb	32.16 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8103	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 1:29:33PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	104960 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit NI	Net:	64900 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 1:29:33PM	Black Lake Scale	104960 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64900 lb	32.45 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8106	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 2:04:43PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105160 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	65100 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 2:04:43PM	Black Lake Scale	105160 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65100 lb	32.55 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

216076

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8063	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 9:05:24AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	107540 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	67480 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 9:05:24AM	Black Lake Scale	107540 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	67480 lb	33.74 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8068	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 9:39:51AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	106180 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	66120 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 9:39:51AM	Black Lake Scale	106180 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	66120 lb	33.06 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	6072	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 10:15:45AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105000 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	64940 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 10:15:44AM	Black Lake Scale	105000 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64940 lb	32.47 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8075	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 10:50:03AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	104740 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	64680 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 10:50:02AM	Black Lake Scale	104740 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64680 lb	32.34 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8081	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 11:24:50AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105760 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Ni	Net:	65700 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 11:24:50AM	Black Lake Scale	105760 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65700 lb	32.85 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8110	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 2:35:53PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105860 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	65800 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 2:35:53PM	Black Lake Scale	105860 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65800 lb	32.90 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8116	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 3:12:51PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	106360 lb
Account:	Clearcreek Contractors	Tare: (PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	66300 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 3:12:50PM	Black Lake Scale	106360 lb	No	configurator

Material	Per	Net Weight	Converted Units
5/8" minus - #112	tn	66300 lb	33.15 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2160776

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8089	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 12:00:26PM	Vehicle:	Clearcreek Truck #43 - T & T

Load	1			
Operation:	Shipped	Gross:		105860 lb
Account:	Clearcreek Contractors	Tare:	(PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		65800 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 12:00:26PM	Black Lake Scale	105860 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65800 lb	32.90 tn
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8095	Hauler:	Clearcreek Contractors
Transaction Date:	10/10/2016 12:38:39PM	Vehicle:	Clearcreek Truck #43 - T & T

Load	1			
Operation:	Shipped	Gross:		104240 lb
Account:	Clearcreek Contractors	Tare:	(PT)	40060 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		64180 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/10/2016 12:38:39PM	Black Lake Scale	104240 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64180 lb	32.09 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

216076

MANUAL TRANSACTION

Transaction Number:	8148	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 7:39:48AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96840 lb
Account:	Clearcreek Contractors	Tare: (PT)	38380 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	58460 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 7:39:47AM	Black Lake Scale	96840 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58460 lb	29.23 tn
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 8154
Transaction Date: 10/12/2016 8:33:25AM
Hauler: Tom Kelly Trucking
Vehicle: Tom Kelly Truck (a) - Maroon T & T

Load 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit Nı

Gross: 97320 lb
Tare: (PT) 38380 lb
Net: 58940 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 8:33:25AM	Black Lake Scale	97320 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58940 lb	29.47 t

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 8159
Transaction Date: 10/12/2016 9:22:47AM
Hauler: Tom Kelly Trucking
Vehicle: Tom Kelly Truck (a) - Maroon T & T

Load 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit N

Gross: 97420 lb
Tare: (PT) 38380 lb
Net: 59040 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 9:22:46AM	Black Lake Scale	97420 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	59040 lb	29.52 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 8164
Transaction Date: 10/12/2016 9:56:37AM
Hauler: Tom Kelly Trucking
Vehicle: Tom Kelly Truck (a) - Maroon T & T

Load 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit Nu

Gross: 96760 lb
Tare: (PT) 38380 lb
Net: 58380 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 9:56:37AM	Black Lake Scale	96760 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58380 lb	29.19 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number: 8169
Transaction Date: 10/12/2016 10:33:02AM
Hauler: Tom Kelly Trucking
Vehicle: Tom Kelly Truck (a) - Maroon T & T

Load: 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit Nl

Gross: 98040 lb
Tare: (PT) 38380 lb
Net: 59660 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 10:33:02AM	Black Lake Scale	98040 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	59660 lb	29.83 tn

. Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

11

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

320

Transaction Number:	8178	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 11:14:10AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96620 lb
Account	Clearcreek Contractors	Tare: (PT)	38380 lb
Contract	Clearcreek Tax Exempt - Permit N	Net:	58240 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 11:14:09AM	Black Lake Scale	96620 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58240 lb	29.12 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blackfakerock.com

MANUAL TRANSACTION

Transaction Number: 8181
Transaction Date: 10/12/2016 11:53:59AM
Hauler: Tom Kelly Trucking
Vehicle: Tom Kelly Truck (a) - Maroon T & T

Load: 1
Operation: Shipped
Account: Clearcreek Contractors
Contract: Clearcreek Tax Exempt - Permit Nu

Gross: 97820 lb
Tare: (PT) 38380 lb
Net: 59440 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 11:53:59AM	Black Lake Scale	97820 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	ton	59440 lb	29.72 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8184	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 12:33:37PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	97160 lb
Account:	Clearcreek Contractors	Tare: (PT)	38380 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	58780 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 12:33:36PM	Black Lake Scale	97160 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	In	58780 lb	29.39 ti

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8188	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 1:10:34PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Received	Gross:	98160 lb
Account:	Clearcreek Contractors	Tare: (PT)	38380 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	59780 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 1:10:34PM	Black Lake Scale	98160 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	59780 lb	29.89 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8194	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 1:52:07PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96960 lb
Account:	Clearcreek Contractors	Tare: (PT)	38380 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	58580 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 1:52:06PM	Black Lake Scale	96960 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58580 lb	29.29 t

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

216074

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8199	Hauler:	Tom Kelly Trucking
Transaction Date:	10/12/2016 2:37:46PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T

Load	1			
Operation:	Shipped	Gross:		97600 lb
Account:	Clearcreek Contractors	Tare:	(PT)	38380 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		59220 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 2:37:46PM	Black Lake Scale	97600 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	59220 lb	29.61 t
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

216076

11
165

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8160	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 9:28:10AM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55880 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	30380 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 9:28:10AM	Black Lake Scale	55880 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	30380 lb	15.19 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8166	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 10:01:42AM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	54380 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	28880 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 10:01:42AM	Black Lake Scale	54380 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	28880 lb	14.44 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8170	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 10:34:56AM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55840 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	30340 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 10:34:55AM	Black Lake Scale	55840 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	ton	30340 lb	15.17 ton

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8177	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 11:12:56AM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	54920 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	29420 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 11:12:55AM	Black Lake Scale	54920 lb	No	configurator

Material	Per	Net Weight	Converted Units
t 1/4" minus - # 114	tn	29420 lb	14.71 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8179	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 11:40:24AM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55780 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	30280 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 11:40:23AM	Black Lake Scale	55780 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	30280 lb	15.14 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8182	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 12:10:03PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55180 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	29680 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 12:10:03PM	Black Lake Scale	55180 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	29680 lb	14.84 ti

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8185	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 12:44:18PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	54880 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	29380 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 12:44:18PM	Black Lake Scale	54880 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	29380 lb	14.69 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8189	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 1:14:06PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55980 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	30480 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 1:14:06PM	Black Lake Scale	55980 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	30480 lb	15.24 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8195	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 1:54:16PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped		
Account:	Clearcreek Contractors		
Contract:	Clearcreek Tax Exempt - Permit N		

Gross:			53960 lb
Tare:	(PT)		25500 lb
Net:			28460 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 1:54:16PM	Black Lake Scale	53960 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	28460 lb	14.23
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8198	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 2:29:29PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55540 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	30040 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 2:29:29PM	Black Lake Scale	55540 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	30040 lb	15.02 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8202	Hauler:	Cereghino Concrete & Landscaping
Transaction Date:	10/12/2016 2:58:28PM	Vehicle:	Cereghino Truck (a) - #11
Load	1		
Operation:	Shipped	Gross:	55260 lb
Account:	Clearcreek Contractors	Tare: (PT)	25500 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	29760 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/12/2016 2:58:28PM	Black Lake Scale	55260 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	ln	29760 lb	14.88 lt

Tax: Tax Exempt

Total Amount:

Driver Signature

21607-6

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8206	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 7:37:08AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T

Load	1			
Operation:	Shipped	Gross:		96320 lb
Account:	Clearcreek Contractors	Tare:	(PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		57840 lb

Pass Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
1	10/13/2016 7:37:08AM	Black Lake Scale	96320 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4' minus - # 114	tn	57840 lb	28.92 tn

Tax Tax Exempt

Total Amount:

.ature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8207	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 8:15:21AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96660 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	58180 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 8:15:21AM	Black Lake Scale	96660 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58180 lb	29.09 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8209	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 8:56:19AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96860 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Ni	Net:	58380 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 8:56:19AM	Black Lake Scale	96860 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58380 lb	29.19 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8212	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 9:36:40AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96400 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nr	Net:	57920 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 9:36:40AM	Black Lake Scale	96400 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	57920 lb	28.96 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8213	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 10:15:00AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96640 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	58160 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 10:15:00AM	Black Lake Scale	96640 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58160 lb	29.08 tı

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8215	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 10:50:43AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	97080 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	58600 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 10:50:43AM	Black Lake Scale	97080 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58600 lb	29.30 tı

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8216	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 11:27:00AM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96740 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	58260 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 11:27:00AM	Black Lake Scale	96740 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	58260 lb	29.13 tı

Tax: Tax Exempt

Total Amount: _____

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8217	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 12:08:35PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	95600 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	57120 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 12:08:35PM	Black Lake Scale	95600 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	57120 lb	28.56 t

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

216076

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8220	Hauler:	Tom Kelly Trucking
Transaction Date:	10/13/2016 12:53:17PM	Vehicle:	Tom Kelly Truck (a) - Maroon T & T
Load	1		
Operation:	Shipped	Gross:	96380 lb
Account:	Clearcreek Contractors	Tare: (PT)	38480 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	57900 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/13/2016 12:53:17PM	Black Lake Scale	96380 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	57900 lb	28.95 tr
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8274	Hauler:	Clearcreek Contractors
Transaction Date:	10/18/2016 11:29:14AM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105360 lb
Account:	Clearcreek Contractors	Tare: (PT)	40420 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	64940 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/18/2016 11:29:14AM	Black Lake Scale	105360 lb	No	

Material		Per	Net Weight	Converted Units
1 1/4" minus - # 114	j	tn	64940 lb	32.47

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8283	Hauler:	Clearcreek Contractors
Transaction Date:	10/18/2016 12:46:37PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped	Gross:	105820 lb
Account:	Clearcreek Contractors	Tare: (PT)	40420 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	65400 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/18/2016 12:46:36PM	Black Lake Scale	105820 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	65400 lb	32.701

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8278	Hauler:	Clearcreek Contractors
Transaction Date:	10/18/2016 12:10:24PM	Vehicle:	Clearcreek Truck #43 - T & T
Load	1		
Operation:	Shipped		
Account:	Clearcreek Contractors		
Contract:	Clearcreek Tax Exempt - Permit N		

Gross:			104720 lb
Tare:	(PT)		40420 lb
Net:			64300 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/18/2016 12:10:23PM	Black Lake Scale	104720 lb	No	[illegible]

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	64300 lb	32.15

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8228	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 7:16:10AM	Vehicle:	Clearcreek Truck #44 - Solo

Load	1			
Operation:	Shipped	Gross:		75600 lb
Account:	Clearcreek Contractors	Tare:	(PT)	40980 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:		34620 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 7:16:09AM	Black Lake Scale	75600 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34620 lb	17.31 tn
Tax: Tax Exempt			

Total Amount:

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8229	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 8:08:33AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62140 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34420 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 8:08:33AM	Black Lake Scale	62140 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34420 lb	17.21 tn

Tax: Tax Exempt

Total Amount:

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8245	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 11:26:12AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62000 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34280 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 11:26:12AM	Black Lake Scale	62000 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34280 lb	17.14 tn
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
[redacted]@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8248	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 12:04:08PM	Vehicle:	Clearcreek Truck #44 - Solo

Load	1			
Operation:	Shipped	Gross:		62980 lb
Account:	Clearcreek Contractors	Tare:	(PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		35260 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 12:04:07PM	Black Lake Scale	62980 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	35260 lb	17.63 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8251	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 12:39:25PM	Vehicle:	Clearcreek Truck #44 - Solo

Load	1			
Operation:	Shipped	Gross:		62060 lb
Account:	Clearcreek Contractors	Tare:	(PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:		34340 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 12:39:24PM	Black Lake Scale	62060 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34340 lb	17.17 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8252	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 1:12:25PM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	63000 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	35280 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 1:12:25PM	Black Lake Scale	63000 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	35280 lb	17.64 tı
Tax: Tax Exempt			

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8232	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 9:11:43AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	61620 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	33900 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 9:11:42AM	Black Lake Scale	61620 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	33900 lb	16.95 tn

Tax: Tax Exempt

Total Amount: _____

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8236	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 9:51:07AM	Vehicle:	Clearcreek Truck #44 - Solo

Load	1			
Operation:	Shipped	Gross:		61640 lb
Account:	Clearcreek Contractors	Tare:	(PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:		33920 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 9:51:06AM	Black Lake Scale	61640 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	33920 lb	16.96 tn

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2640 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8238	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 10:21:43AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62440 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	34720 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 10:21:43AM	Black Lake Scale	62440 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	34720 lb	17.36 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8242	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 10:51:18AM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	62120 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit Nı	Net:	34400 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 10:51:17AM	Black Lake Scale	62120 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	ton	34400 lb	17.20 ton

Tax: Tax Exempt

Total Amount:

Driver Signature

Black Lake Quarry LLC

2840 Black Lake Blvd SW ste C
360-915-6121
head1@blacklakerock.com

MANUAL TRANSACTION

Transaction Number:	8256	Hauler:	Clearcreek Contractors
Transaction Date:	10/17/2016 2:21:28PM	Vehicle:	Clearcreek Truck #44 - Solo
Load	1		
Operation:	Shipped	Gross:	61480 lb
Account:	Clearcreek Contractors	Tare: (PT)	27720 lb
Contract:	Clearcreek Tax Exempt - Permit N	Net:	33760 lb

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	10/17/2016 2:21:28PM	Black Lake Scale	61480 lb	No	configurator

Material	Per	Net Weight	Converted Units
1 1/4" minus - # 114	tn	33760 lb	16.88 tr

Tax: Tax Exempt

Total Amount:

Driver Signature

APPENDIX B

Construction Stormwater General Permit WAR303363 Cover Letter

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

July 5, 2016

Myles Perkins
ARCADIS US Inc
1100 Olive Way Suite 800
Seattle, WA 98101

RE: Coverage under the Construction Stormwater General Permit

Permit number:	**WAR303363**
Site Name:	**Industrial Petroleum Distributors Site**
Location:	**1120 West Bay Drive**
	Olympia, WA **County: Thurston**
Disturbed Acres:	**0.2**

Dear Mr. Perkins:

The Washington State Department of Ecology (Ecology) received your Notice of Intent for coverage under Ecology's Construction Stormwater General Permit (permit). This is your permit coverage letter. Your permit coverage is effective on July 5, 2016. **Please retain this permit coverage letter with your permit (enclosed), stormwater pollution prevention plan (SWPPP), and site log book. These materials are the official record of permit coverage for your site.**

Please take time to read the entire permit and contact Ecology if you have any questions.

Appeal Process
You have a right to appeal coverage under the general permit to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this letter. This appeal is limited to the general permit's applicability or non-applicability to a specific discharger. The appeal process is governed by chapter 43.21B RCW and chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal, you must do the following within 30 days of the date of receipt of this letter:

- File your appeal and a copy of the permit cover page with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and the permit cover page on Ecology in paper form - by mail or in person (see addresses below). E-mail is not accepted.

You must also comply with other applicable requirements in chapter 43.21B RCW and chapter 371-08 WAC.

Address and Location Information:

Street Addresses:	**Mailing Addresses:**
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board (PCHB) 1111 Israel Road SW, Suite 301 Tumwater, WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

Electronic Discharge Monitoring Reports (WQWebDMR)
This permit requires that Permittees submit monthly discharge monitoring reports (DMRs) electronically using Ecology's secure online system, WQWebDMR. To sign up for WQWebDMR go to: www.ecy.wa.gov/programs/wq/permits/paris/webdmr.html. If you have questions, contact the portal staff at (360) 407-7097 (Olympia area), or (800) 633-6193/option 3, or email WQWebPortal@ecy.wa.gov.

Ecology Field Inspector Assistance
If you have questions regarding stormwater management at your construction site, please contact Carol Serdar of Ecology's Southwest Regional Office in Lacey at carol.serdar@ecy.wa.gov or (360) 407-6269.

Questions or Additional Information
Ecology is committed to providing assistance. Please review our web page at: www.ecy.wa.gov/programs/wq/stormwater/construction. If you have questions about the construction stormwater general permit, please contact Josh Klimek at josh.klimek@ecy.wa.gov or (360) 407-7451.

Sincerely,

Bill Moore, P.E., Manager
Program Development Services Section
Water Quality Program

Enclosure

APPENDIX C

City of Olympia Grading Permit 16-6005-E

City of Olympia
601 4th Avenue E. – PO Box 1967
Olympia WA 98501-1967
Phone: 360.753.8314
http://www.olympiawa.gov
cpdinfo@ci.olympia.wa.us

PERMIT

16-6005-E **GRADING**

PROJECT NAME: PORT OF OLYMPIA-DOE #DE10470
SITE ADDRESS: 1120 WEST BAY DR NW OLYMPIA

ISSUED: 09/21/2016
EXPIRES: 03/20/2017

PARCEL: 09030001000

APPLICANT: PORT OF OLYMPIA
606 COLUMBIA ST NW STE 300
OLYMPIA, WA 98501

OWNER: PORT OF OLYMPIA
606 COLUMBIA ST NW STE 300
OLYMPIA, WA 98501

CITY BUSINESS LICENSE:
(Primary Contractor)

CLEARCREEK CONTRACTORS INC
3203 15TH STREET
EVERETT, WA 98201
425-252-5800

License: 602116881
Expires: 06/30/2017

PERMIT FEE TOTALS:	**Paid**	****Deferred**
Grading	$433.95	$0.00
Total Paid:	**$433.95**	**** $0.00**

****Additional fees may apply. All outstanding fees must be paid prior to final inspection.***

CONDITIONS

* Do not proceed beyond each stage or cover work until approvals are given.
* Work must commence within 180 days from the date of issuance and/or must have a valid inspection at least 180 days or this permit will expire by limitation.
* Regular inspections must be scheduled 24 hours in advance. Final inspections must be scheduled 72 hours in advance.
* Approved plans must be on-site for all inspections. This structure may not be used or occupied until all final inspections are completed and approved.

CONTRACTOR AFFIDAVIT

I hereby certify that I am a currently registered contractor in the State of Washington and the City of Olympia. I am aware of the ordinance requirements regulating the work for which the permit is issued and all work will be done in conformance therewith.

Issued By: Tami Reed

Contractor or Authorized Agent: _____ **Date:** _____

City of Olympia
601 4th Avenue E. – PO Box 1967
Olympia WA 98501-1967
Phone: 360.753.8314
http://www.olympiawa.gov
cpdinfo@ci.olympia.wa.us

PERMIT

16-6005-E **GRADING**

PROJECT NAME: PORT OF OLYMPIA-DOE #DE10470
SITE ADDRESS: 1120 WEST BAY DR NW OLYMPIA

ISSUED: 09/21/2016
EXPIRES: 03/20/2017

OWNER AFFIDAVIT

I hereby certify that I am owner of the property for which this permit is issued, and all work done will be in conformance with City of Olympia ordinances and as noted on this permit.

Issued By: Tami Reed

Contractor or Authorized Agent: _____ **Date:** _____

City of OLYMPIA

Permit & Inspection Services

Community Planning & Development
601 4th Ave E - PO Box 1967
Olympia WA 98507-1967
Phone: 360.753.8314
Fax: 360.753.8087
cpdinfo@ci.olympia.wa.us
www.olympiawa.gov

ENGINEERING PERMIT APPLICATION APPROVAL

File #: 16-6005 Engineering File #: 16-6005 Date: September 20, 2016

Project Title: Port of Olympia - Parcel #: **09030001000**

Address: 1120 West Bay Dr NW Zip Code: 98502

Applicant/Representative/Owner: Ross LaGrandeur Phone #: 206-726-4754

Address: 1120 West Bay Drive NW E-Mail: ross.lagrandeur.com

The Community Planning and Development Department's Engineering Section has reviewed the Engineering Plans associated with the above noted project for compliance with the City of Olympia's Engineering Design & Development Standards (EDDS) and conditions of approval, and have deemed them approved for construction of ***grading***

> The approved engineering drawings numbered prepared by Arcadis US Inc approval dated September 20, 2016, will expire on September 20, 2017 unless an extension of time is granted, as per the EDDS, Section 3.080, Permits, subsection B., Expiration.

Upon posting the required payment of all Engineering Permit fees, and completion of the required Preconstruction Meeting with the City's Engineering Inspector, you may proceed with construction. Please contact the Permit Specialist at (360) 570-3808 (or 753-8314) to arrange for permit issuance.

A final inspection will not be allowed unless all permits have been issued, fees paid, and Record Drawing submitted and reviewed. Record Drawings will be required to meet the standards of the 2015 EDDS (paper, Autocad & PDF versions, etc).

After applications have been obtained, a preconstruction conference shall be scheduled with Pat Boysen by calling (360) 753-8274 between the hours of 8:00 a.m. and 4:00 p.m. weekdays. This meeting must be attended by the developer's on-site construction superintendent in order to receive the permit card. **A minimum 48 hours' (two working days') advance notice is required.**

Tiffani King

Tiffani King
Engineering Plans Examiner
PO Box 1967, Olympia WA 98507-1967 (mail)
837 7th Avenue SE, Olympia WA 98507-1967
(360) 753-8257 - Office (360) 753-8087 - Fax
tking@ci.olympia.wa.us - email

CONTRACTOR

City of Olympia
601 4th Avenue E. – PO Box 1967
Olympia WA 98501-1967
Phone: 360.753.8314
http://www.olympiawa.gov
cpdinfo@ci.olympia.wa.us

INSPECTION CARD

PARCEL NO. 09030001000 **PERMIT NO.** 16-6005-E **ISSUED DATE** 9/21/16 **EXPIRATION DATE** 03/19/2017

PROJECT ADDRESS 1120 WEST BAY DR NW **OWNER** PORT OF OLYMPIA

PROJECT DESCRIPTION RMV 1300 CY CONTAMINATED SOILS

CONTRACTOR CLEARCREEK CONTRACTORS INC **CONSTRUCTION TYPE** _____ **OCCUPANT LOAD** _____

INSPECTION	INSP	DATE	COMMENTS
Grading			
Landscape Grading			

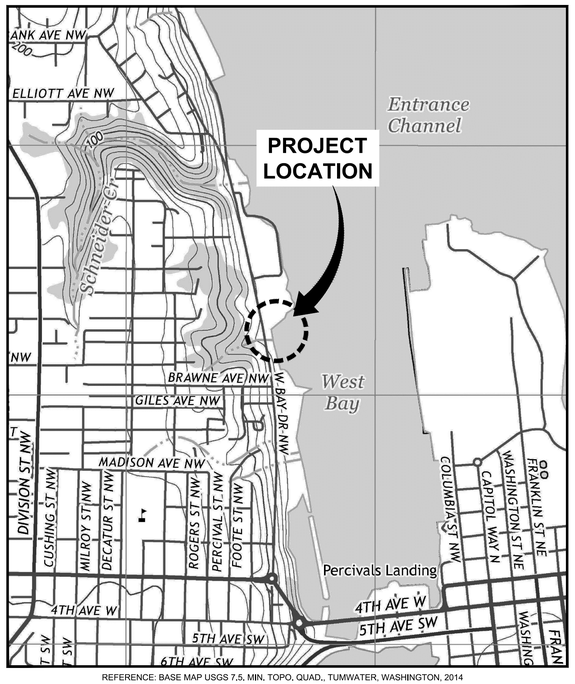
INSPECTION	INSP	DATE	COMMENTS
Grading/Clearing Final			

APPENDIX D

Construction Contract Drawings

CONTRACT DRAWINGS

FORMER INDUSTRIAL PETROLEUM DISTRIBUTORS BULK TERMINAL OLYMPIA, WASHINGTON



REFERENCE: BASE MAP USGS 7.5. MIN, TOPO, QUAD., TUMWATER, WASHINGTON, 2014

1120 WEST BAY DRIVE NORTHWEST OLYMPIA, WASHINGTON

SEPTEMBER 2016

ARCADIS | Design & Consultancy for natural and built assets

ARCADIS U.S., INC.

KEY CONTACTS:

ENGINEER:
ARCADIS U.S., INC.
1100 OLIVE WAY, SUITE 800
SEATTLE, WA 98101
TELEPHONE: 206.726.4726

CONTACT: CARSTEN BECKER, PE

INDEX TO DRAWINGS

GENERAL NOTES

1. THE TERM "SITE", AS USED IN THESE DRAWINGS, REFERS TO THE FACILITY LOCATED AT 1120 WEST BAY DRIVE NORTHWEST, OLYMPIA, WASHINGTON.

2. "CONTRACTOR" REFERES TO ALL CONTRACTORS RESPONSIBLE FOR COMPLETION OF THE ACTIVITES SHOWN HEREIN. "ENGINEER" REFERS TO ARCADIS U.S., INC.

3. PRIOR TO CONTRACTOR MOBILIZATION, ALL CONTRACTOR PERSONNEL THAT WILL BE ON-SITE, INCLUDING ALL SUBCONTRACTORS, SHALL READ AND UNDERSTAND THE CURRENT PROJECT HEALTH AND SAFETY PLAN (HASP). ALL PERSONNEL SHALL SIGN A CERTIFICATION STATEMENT INDICATING THAT THEY HAVE READ THE HASP, UNDERSTAND ITS CONTENTS, AND SHALL ADHERE TO ALL PROCEEDURES CONTAINED THEREIN.

4. CONTRACTOR ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HASP.

5. IN THE EVENT AN UNSAFE CONDITION IS DETECTED BY THE CONTRACTOR, SUBCONTRACTOR OR THE ENGINEER, ALL WORK IN THE AREA OF THE UNSAFE CONDITION SHALL BE STOPPED IMMEDIATELY. THE UNSAFE CONDITION SHALL BE RESOLVED BASED ON THE PROVISIONS OF THE HASP.

6. EXISTING SITE FEATURES THAT ARE DAMAGED OR DESTROYED (OTHER THAN THOSE FEATURES SPECIFICALLY INDICATED ON THESE DRAWINGS TO BE REMOVED OR ALTERED) BY THE CONTRACTOR DURING THE COURSE OF THE PROJECT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER – AT THE CONTRACTOR'S OWN EXPENSE.

7. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY TRAFFIC CONTROL DEVICES ADJACENT TO AND WITHIN THE PROJECT AS REQUIRED BY THE TRAFFIC CONTROL PLAN IN THE HASP AND/OR FEDERAL AND STATE AND LOCAL REGULATIONS.

8. ALL NECESSARY CONSTRUCTION PERMITS AND INSPECTION SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.

9. CONTRACTOR SHALL CONFIRM A CONSTRUCTION SCHEDULE WITH THE ENGINEER AT LEAST 72-HOURS PRIOR TO ANY WORK AT THE SITE. THE PROPOSED SCHEDULE SHALL INCLUDE ESTIMATED START DATE, DURATION, AND COMPLETION TIMES FOR EACH INCLUDED ACTIVITY. CHANGES TO THIS SCHEDULE SHALL BE COMMUNICATED WITH THE ENGINEER WITHIN 24-HOURS.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ONE CALL (WASHINGTON UTILITY NOTIFICATION CENTER) AT 800-424-5555 PRIOR TO EXCAVATING. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR UTILITIES TO BE MARKED. DO NOT EXCAVATE BEFORE ALL UTILITIES ARE MARKED.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES EXCEPT FOR THOSE CALLED OUT TO BE DEMOLISHED AND REPLACED IN THESE DRAWINGS.

12. CONTRACTOR WILL SECURE THE SERVICES OF AN APPROPRIATELY QUALIFIED UTILITY LOCATOR TO LOCATE AND IDENTIFY SUBSURFACE UTILITIES AND OBSTRUCTIONS. UTILITIES AND THEIR LOCATIONS ON THESE DRAWINGS ARE APPROXIMATE.

13. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ADJACENT AREAS AND PROPERTIES, PUBLIC AND PRIVATE, AT ALL TIMES DURING CONSTRUCTION.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FIELD DIMENSIONS AND ALL SITE CONDITIONS BEFORE STARTING WORK.

SITE PREPARATION

1. OPEN EXCAVATION AREAS SHALL BE CLEARLY MARK WITH CONSTRUCTION TAPE OR SURROUNDED BY TEMPORARY CHAIN LINK FENCING AFTER WORK HOURS.

2. ENTRANCE GATE SHALL BE SECURED OR BARRICADED WITH 48-INCH ORANGE SAFETY CONES WHEN NOT IN USE.

EXCAVATION REQUIREMENTS

1. EXCAVATE SITE SOILS IN PHASES AS SHOWN ON THE EXCAVATION PLAN (DRAWING C-3). SOIL SAMPLING WAS PERFORMED ON A SAMPLING GRID SHOWN ON DRAWINGS C-2 AND C-3. THIS GRID SHALL BE USED AS THE "EXCAVATION GRID" DURING SOIL REMOVAL. SOILS WILL BE EXCAVATED IN 5-FOOT DEPTH INCREMENTS.

2. EXCAVATED SOILS SHALL BE TEMPORARILY STORED IN A STOCKPILE OR DIRECTLY LOADED INTO A HAUL TRUCK FOR DISPOSAL.

3. SOILS LEFT IN THE STOCKPILE AFTER WORK HOURS SHALL BE COVERED WITH 10-MIL PLASTIC SHEETING (OR SIMILAR).

4. CONTRACTOR SHALL SEGREGATE CLEAN OVERBURDEN FROM IMPACTED SOILS AND PLACE THE SOILS IN SEPARATE STOCKPILES. CLEAN OVERBURDEN SHALL BE REUSED AT THE SITE AS GENERAL FILL. IMPACTED SOILS AND WATER SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL FACILITY.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THE WORK IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, INCLUDING THOSE FOR SLOPING AND BENCHING.

6. TRENCH BOXES OR OTHER TYPES OF TEMPORARY SHORING SHALL BE USED WHERE SLOPING AND BENCHING IS NOT SAFE. TRENCH BOXES MUST BE USED FOR EXCAVATIONS AT THE SITE DEEPER THAN 10 FEET. CONTRACTOR SHALL BE RESPONSIBLE FOR ASSESSING THE NEED FOR TRENCH BOXES OR TEMPORARY SHORING FOR SHALLOWER EXCAVATIONS BASED ON THE SITE CONDITIONS, INCLUDING, BUT NOT LIMITED TO, THE SOIL AND GROUNDWATER CONDITIONS.

7. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON TO DESIGN TEMPORARY SHORING (INCLUDING TRENCH BOXES).

8. CONTRACTOR SHALL REMOVE BELOW-GROUND DEBRIS, AS NEEDED, TO FACILITATE TRENCH BOX INSTALLATION AND ACHIEVE THE REMOVAL LIMITS SPECIFIED IN THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.

9. OPERATORS AND FOREMAN SHALL HAVE A MINIMUM OF THREE YEARS EXPERIENCE INSTALLING EXCAVATION SUPPORT AND PROTECTION SYSTEMS.

10. TRENCH BOX MATERIALS SHALL BE UNDAMAGED AND SHALL CONFORM TO PERTINENT AISC, AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), ASTM OR OTHER INDUSTRY STANDARDS.

11. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST FIVE DAYS PRIOR TO BEGINNING EXCAVATION SUPPORT AND PROTECTION INSTALLATION OPERATIONS AT ANY LOCATION.

12. TRENCH BOX SYSTEMS SHALL BE PROPERLY DECONTAMINATED.

BACKFILL REQUIREMENTS

1. WASHINGTON STATE DEPARTMENT OF TRANSPORT (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (M 41-10, 2016 VERSION) SHALL APPLY TO SELECTION AND APPROVAL OF VARIOUS MATERIALS WHERE INDICATED. THE STANDARD SPECIFICATIONS ARE AVAILABLE FOR DOWNLOAD ON WSDOT'S WEBSITE.

2. SATURATED ZONE BACKFILL SHALL CONSIST OF WSDOT CRUSHED SURFACING/BASE COURSE (PER WSDOT STANDARD SPECIFICATION SECTION 9-03.9(3) – BASE COURSE).

3. CRUSHED SURFACING SHALL CONSIST OF WSDOT CRUSHED SURFACING/TOP COURSE AND KEYSTONE (PER WSDOT STANDARD SPECIFICATION SECTION 9-03.9(3) – TOP COURSE AND KEYSTONE).

4. GENERAL FILL SHALL CONSIST OF CLEAN OVERBURDEN EXCAVATED AT THE SITE OR WSDOT COMMON BORROW (PER WSDOT STANDARD SPECIFICATION SECTION 9-03.14(3)).

5. SATURATED ZONE BACKFILL SHALL BE CAREFULLY PLACED ON THE BOTTOM OF THE EXCAVATION (UNDER WATER) USING AN EXCAVATOR BUCKET. THE MATERIAL SHALL NOT BE DUMPED INTO THE WATER FROM ELEVATIONS ABOVE THE WATER TABLE OR ANY ELEVATION ABOVE THE BOTTOM OF THE EXCAVATION. EACH 18-INCH LOOSE LIFT OF PLACED FILL SHALL BE TAMPED WITH THE EXCAVATOR BUCKET TO COMPACT THE FILL. FILL SATURATED ZONE BACKFILL TO 6 INCHES ABOVE THE WATER TABLE AND THEN COMPACT THE MATERIAL USING A VIBRATORY DRUM COMPACTOR WITH A MINIMUM OPERATING WEIGHT OF 4 TONS AND MINIMUM CENTRIFUGAL FORCE OF 50 KILO NEWTON (KN), OR EQUIVALENT COMPACTION EQUIPMENT APPROVED BY THE ENGINEER. THE MATERIAL SHALL BE ROLLED IN VIBRATORY MODE WITH A MINIMUM OF FOUR PASSES UNTIL A NON-YIELDING STATE IS ACHIEVED.

6. PLACE GENERAL FILL IN UNIFORM LAYERS NOT EXCEEDING A LOOSE LIFT THICKNESS OF 10 INCHES. CONTROL THE MOISTURE CONTENT OF THE FILL TO WITHIN 3% OF THE OPTIMUM MOISTURE. OPTIMUM MOISTURE IS THE MOISTURE CONTENT CORRESPONDING TO THE MAXIMUM DRY DENSITY OF THE MATERIAL. COMPACT EACH LAYER TO A MINUMUM DENSITY OF 90% OF THE MAXIMUM DRY DENSITY OF THE MATERIAL DETERMINED USING ASTM INTERNATIONAL STANDARD ASTM D698.

7. COMPACT CRUSHED SURFACING USING A VIBRATORY DRUM COMPACTOR WITH A MINIMUM OPERATING WEIGHT OF 4 TONS AND MINIMUM CENTRIFUGAL FORCE OF 50 KILO NEWTON (KN), OR EQUIVALENT COMPACTION EQUIPMENT APPROVED BY THE ENGINEER. THE MATERIAL SHALL BE ROLLED IN VIBRATORY MODE WITH A MINIMUM OF FOUR PASSES UNTIL A NON-YIELDING STATE IS ACHIEVED.

8. PRIOR TO IMPORT MATERIAL ARRIVING ON SITE, CONTRACTOR SHALL PROVIDE ANALYTICAL TESTING RESULTS FOR IMPORT MATERIAL TO THE ENGINEER.

CONTRACTOR SUBMITTALS

1. A SOURCE, NAME, AND POINT OF CONTACT TELEPHONE NUMBER SHALL BE PROVIDED FOR ALL IMPORT MATERIALS FURNISHED BY THE CONTRACTOR

2. THE ENGINEER MAY REQUEST ADDITIONAL SUBMITTALS BEYOND THOSE SPECIFIED HEREIN.

3. SUBMITTALS SHALL BE TRANSMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE USE OF ASSOCIATED MATERIALS ON-SITE. UPON REVIEW, THE ENGINEER WILL INDICATE WHETHER THE SUBMITTAL IS APPROVED, APPROVED AS NOTED, REQUIRES RESUBMITTAL TO ADDRESS DEFICIENCIES OR REJECTED.

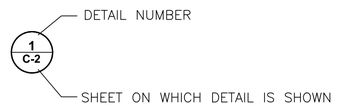
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING WITH THE ENGINEER THAT ALL REQUIRED SUBMITTALS FOR A GIVEN MATERIAL HAVE BEEN APPROVED BY THE ENGINEER PRIOR TO BRINGING THE MATERIAL ON-SITE. MATERIALS NOT IN CONFORMANCE WITH THE REQUIREMENTS CONTAINED HEREIN AS DETERMINED BY THE ENGINEER BASED ON REVIEW OF THE ASSOCIATED SUBMITTALS SHALL NOT BE PERMITTED ON-SITE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRACKING TRUCKS TO BE LOADED WITH EXCAVATION MATERIAL.

6. THE FOLLOWING BACKFILL MATERIAL INFORMATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE ONSITE;
   A. THE SOURCE FOR ALL IMPORT MATERIAL
   B. SPECIFICATIONS AND TESTING RESULTS FOR ALL IMPORTED MATERIAL.

7. THE FOLLOWING TRENCH BOX SYSTEM INFORMATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE ONSITE;
   A. CERTIFICATION: PROVIDE DOCUMENTATION OF AGREEMENT WITH TRENCH BOX SYSTEM MANUFACTURER FOR PROVISIONS OF QUALITY CONTROL SERVICES DURING INSTALLATION. AGREEMENT SHALL DOCUMENT THAT MANUFACTURER WILL PROVIDE FIELD TECHNICIAN SERVICES DURING THE FIRST 3 DAYS OF OPERATION OF THE TRENCH BOX SYSTEM.
   B. INSTALLATION PLAN: SUBMIT AN EXCAVATION SUPPORT INSTALLATION PLAN
   C. SHOP DRAWINGS: SHOP DRAWINGS SHALL SHOW THE PROPOSED TRENCH BOX SYSTEM AND DETAILS FOR EACH REMOVAL AREa and DETAILS PERTAINING TO CONNECTIONS OF TRENCH BOX COMPONENTS (I.E., POSTS TO BRACING MEMBER.
   D. MANUFACTURER'S DATA: STRUCTURAL PROPERTIES OF THE TRENCH BOX COMPONENTS, INCLUDING MOMENT OF INERTIA, MOMENT CAPACITY, THICKNESS, AND WIDTH/DEPTH DIMENSIONS.

LEGEND:



CITY:EV\MV DIV/GROUP:ENVCAD DB:ASR LD:G.STEINBERGER PIC: PM:S.ZORN TM: LYR:ON=*;OFF=*REF* G:\ENVCAD\Emeryville\ACT\GP09BPNA\WA60K0000\RemedialEXC 09-2016\DWG\GP09BPNAWA60 G01-NOTES.dwg LAYOUT: G-1 SAVED: 9/15/2016 5:18 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: ARCADIS-PHX.CTB PLOTTED: 9/21/2016 4:36 PM BY: REYES, ALEC

XREFS: IMAGES: PROJECTNAME: —
GP09BPX00

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: **CARSTEN BECKER**
Professional Engineer's No.: 39822

State	Date Signed	Project Mgr.
WA	09/21/16	B.MARCUM
Designed by	Drawn by	Checked by
R. KILKENNY	A.REYES	C. BECKER

CARSTEN BECKER — STATE OF WASHINGTON — 39822 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09/23/2018

ARCADIS Design & Consultancy for natural and built assets

ARCADIS U.S., INC.

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CONTRACT DRAWINGS

GENERAL NOTES AND SPECIFICATIONS

ARCADIS Project No.
GP09BPNA.WA60.K0000

Date
SEPTEMBER 2016

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G-1

ENVIRONMENTAL PROTECTION:

1. THE CONTRACTOR SHALL SUBMIT THEIR ENVIRONMENTAL PROTECTION PLAN, WHICH SHALL INCLUDE SPILL PREVENTION AND RESPONSE PROCEDURES.
2. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMPs) AND INSTALL AND MAINTAIN TEMPORARY POLLUTION CONTROL FEATURES AS PART OF THE WORK.
3. THE CONTRACTOR SHALL BE PREPARED AT ALL TIMES TO INTERCEPT, CLEAN UP, AND DISPOSE ANY SPILLS THAT MAY OCCUR.
4. THE CONTRACTOR SHALL KEEP ALL MATERIALS REQUIRED TO CLEAN UP SPILLS (SPILL KITS) READILY AVAILABLE ON SITE.
5. CONTRACTOR SHALL SUBMIT A DECONTAMINATION PLAN TO PROVIDE DETAILS ON DECONTAMINATION PROCEDURES, DECONTAMINATION AREAS, AND THE MANAGEMENT OF DECONTAMINATION WASTES.
6. DECONTAMINTE EQUIPMENT AND REUSABLE MATERIALS PRIOR TO DEPARTURE FROM THE SITE, PRIOR TO RELOCATION WITHIN THE SITE (IF RELOCATING TO A CLEAN AREA), AND PRIOR TO HANDLING CLEAN MATERIALS.
7. DECONTAMINTE EQUIPMENT AND REUSABLE MATERIALS BY REMOVING VISIBLE SOLIDS AND THEN HIGH-PRESSURE WASHING AND/OR STEAM CLEANING. SURFACTANTS AND DETERGENTS MAY BE USED AS APPROVED BY THE ENGINEER.
8. EACH PIECE OF EQUIPMENT OR MATERIAL MUST BE INSPECTED BY THE CONTRACTOR PRIOR TO DEPARTURE FROM THE SITE TO VERIFY THAT DECONTAMINATION HAS BEEN CONDUCTED. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF DECONTAMINATION TO THE ENGINEER.
9. CONTAIN DECONTAMINATION WATER, SOLIDS, AND OTHER MATERIALS GENERATED DURING EQUIPMENT DECONTAMINATION AT THE SITE, AND DO NOT ALLOW THESE MATERIALS TO BE RELEASED TO PUGET SOUND OR TO CONTACT NATIVE MATERIALS.

STORM WATER POLLUTION CONTROL

1. THIS PROJECT SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR SOIL AND EROSION CONTROL AND STORM WATER MANAGEMENT. THESE REQUIREMENTS AS THEY PERTAIN TO THIS PROJECT ARE DETAILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT HAS BEEN APPROVED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY(CONSTRUCTION STORMWATER GENERAL PERMIT # WAR303363).
2. CONTRACTOR ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
3. A COPY OF THE SWPPP SHALL REMAIN ON SITE AT ALL TIMES.
4. RECORDS OF ALL INSPECTIONS, COMPLIANCE CERTIFICATION AND NON-COMPLIANCE REPORTING SHALL BE RETAINED FOR A PERIOD OF AT LEAST (3) YEARS.
5. GENERAL MANAGEMENT PRACTICES, HEREIN, SHALL BE FOLLOWED TO MINIMIZE THE STORM WATER POLLUTION EMANATING FROM THIS WORK SITE AND ACHIEVE THE FOLLOWING (DETAILED IN THE SWPPP):
   A. KEEP MATERIALS OUT OF DRAINAGEWAYS
   B. REDUCE OFF-SITE TRACKING OF SEDIMENT
   C. KEEP POLLUTANTS OFF EXPOSED SURFACES
   D. PREVENT POLLUTANT CONTACT WITH RAINFALL OR RUNOFF
   E. PROTECT EXISTING VEGETATION TO BE RETAINED
   F. MINIMIZE WASTE AND DISPOSE OF WASTE PROPERLY
   G. PREVENT SPILLS AND LEAKS; CLEAN SPILLS AND LEAKS IMMEDIATELY
   H. COVER AND SECURELY STORE ALL MATERIALS
   I. KEEP CONCRETE AND CEMENT MORTAR OUT OF DRAINAGE WAYS AND STREAMS
   J. AVOID OVER-APPLYING FERTILIZERS, PESTICIDES OR HERBICIDES
   K. CONTROL EROSION AND RUN-OFF OF SEDIMENT
   L. BEST MANAGEMENT PRACTICE (BMP) C-105 STABILIZED CONSTRUCTION ENTRANCE SHALL BE FOLLOWED. THE EXISTING ENTRANCE IS IMPROVED WITH ASPHALT PAVING PRIOR TO ENTERING THE PUBLIC RIGHT OF WAY FOR A DISTANCE OF OVER 100 FEET. VEHICLES LEAVING THE SITE SHALL BE INSPECTED AND DRY DECONTAMINATION SHALL BE CONDUCTED BY SCRUB/BRUSH AND/OR THE USE OF RUMBLE STRIPS PRIOR TO THE STABILIZED CONSTRUCTION ENTRANCE.
6. NO DISCHARGE FROM WASHING CONCRETE, CEMENT, STUCCO, OR OTHER SUCH MATERIAL SHALL BE ALLOWED TO ENTER ANY DRAINAGEWAY, PAVED AREA, OR ADJACENT PROPERTY. ALL RESIDUE SHALL BE DISPOSED OF PER STATE/FEDERAL STANDARDS AND REGULATIONS.
7. THE SEQUENCE OF CONSTRUCTION ACTIVITIES AND THE PROPOSED MITIGATION ELEMENTS SHALL BE AS FOLLOWS:
   A. COMPLETE NOTICE OF INTENT (NOI) 60 DAYS PRIOR TO START OF FIELD ACTIVITIES.
   B. INSPECT CONSTRUCTION ENTRANCE AT ALL ACCESS POINTS.
   C. INSTALL SILT FENCE AT GRADING LIMITS AND OTHER AREAS AS INDICATED.
   D. GRUB, CLEAR AND/OR ROUGH GRADE THE SITE AS NEEDED.
   E. CREATE TEMPORARY CONSTRUCTION AND WASTE MATERIALS STORAGE AND CONTAINMENT AREA.
   F. PROTECT EXISTING DRAINAGE INLETS WITH WATTLES AS INDICATED.
   G. REMOVE SILT FENCE AND ALL SWPPP EROSION AND SEDIMENT CONTROL MEASURES.
   H. REMOVE TEMPORARY CONSTRUCTION AND WASTE MATERIAL CONTAINMENT AREA.
   I. COMPLETE NOTICE OF TERMINATION (NOT) PROCESS FOR PROJECT.
8. IMMEDIATELY CLEAN UP ANY WASTE MATERIAL SPILLED OR SPREAD INTO NON-CONTAMINATED AREAS. DISPOSE ANY SPREAD OR SPILLED CONTAMINATED MATERIAL.
9. ALL TRANSPORTS LEAVING THE WORK AREA SHALL HAVE ALL VISIBLE MUD AND WASTE REMOVED AT AN APPROPRIATE LOCATION PRIOR TO LEAVING THE WORK AREA.
10. FOR EACH WASTE DISPOSED AT FACILITIES, WEIGH EACH TRANSPORT AT THE DISPOSAL FACILITY TO DOCUMENT THE WEIGHT OF WASTE DISPOSED. PROVIDE A TARE WEIGHT FOR EACH TRANSPORT SO THAT THE NET WASTE WEIGHT CAN BE CALCULATED FROM THE GROSS TOTAL VEHIBLE WEIGHT.
9. ALL DUST CONTROL SHALL BE MANAGED BY THE APPLICATION OF WATER.
10. THE SWPPP SHALL INCLUDE MAINTENANCE, REPAIR, AND TRACKING PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, MITIGATION MEASURES, AND OTHER PROTECTIVE MEASURES ARE IMPLEMENTED AND MAINTAINED IN A GOOD AND EFFECTIVE CONDITION AND ARE REPAIRED OR RESTORED IF DAMAGED. THE REQUIRED INSPECTION REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
    A. NAME OF INSPECTOR
    B. DATE
    C. MAJOR OBSERVATIONS, AND DIGITAL PHOTOGRAPHS
    D. SEDIMENT REMOVAL IF SEDIMENT TRAP CAPACITY IS REDUCED BY 50% OR SEDIMENT DEPTH EXCEEDS 6", WHICHEVER COMES FIRST
    E. IF ALL CONDITIONS ARE DEEMED ACCEPTABLE AT TIME OF INSPECTION, THE REPORT SHALL BE CERTIFIED TO BE IN COMPLIANCE WITH THE SWPPP
    F. QUALIFICATIONS OF THE INSPECTOR

EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL SHALL BE ACHIEVED USING THE FOLLOWING TECHNIQUES:
   A. CLEARLY IDENTIFY THE LIMITS OF GRADING AND DISTURBANCE IN THE FIELD.
   B. CONSTRUCTION FENCING OR OTHER EQUALLY ACCEPTABLE METHODS SHALL BE EMPLOYED TO LIMIT THE EXTENT OF DISTURBANCE TO APPROVED AREAS ONLY.
2. THE FOLLOWING CONTROL MEASURES SHALL BE USED AS SHOWN ON PLAN AND WHERE APPROPRIATE TO CONTROL OFFSITE DISCHARGE OF SEDIMENT.
   A. TEMPORARY ROCK RIP-RAP
   B. GEOTEXTILES
   C. SILTATION FENCES
   D. TEMPORARY SEDIMENT TRAPS
   E. SANDBAG BARRIERS.
   F. WATTLES
   G. ROCK BERMS
3. BEST MANAGEMENT PRACTICES SHALL BE UTILIZED TO KEEP THE SITE FREE OF LOOSE DEBRIS. SOLID WASTE AND DEBRIS SHALL BE CONTAINED WITH SILT FENCING. SILT FENCING SHALL BE SUPPLEMENTED BY OTHER CONTROL MEANS INCLUDING, BUT NOT LIMITED TO:
   A. ALL LOOSE DEBRIS SHALL BE PLACED INTO PROPER DEBRIS RECEPTACLE FACILITY
   B. THE SITE SHALL BE POLICED AND DEBRIS CONTAINED PROPERLY ON A DAILY BASIS
   C. OFFSITE ACCUMULATION OF SEDIMENT SHALL BE REMOVED EVERY SEVEN DAYS, AFTER A RAINFALL, IF SEDIMENT TRAP CAPACITY IS REDUCED BY 50%, OR SEDIMENT DEPTH EXCEEDS 6", WHICHEVER COMES FIRST. REMOVE AND DISPOSE OF SEDIMENT BY PROPER AND APPROVED METHODS ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.

WASTE MANAGEMENT AND DISPOSAL

1. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE STATE AND FEDERAL REGULATIONS, STANDARDS, AND GUIDELINES FOR HANDLING AND DISPOSAL OF SOLID AND HAZARDOUS WASTE.
2. EXCAVATED SOIL AND WASTE WATER SHALL BE DISPOSED OF AT AN APPROPRIATE DISPOSAL FACILIITY APPROVED BY THE ENGINEER.
3. CONTRACTOR SHALL HANDLE, LOAD/UNLOAD, TRANSPORT, TREAT, AND DISPOSE WASTE IN A MANNER THAT IS PROTECTIVE OF THE ENVIRONMENT.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETION, MANAGEMENT, AND TRACKING OF ALL TRANSPORTATION AND DISPOSAL DOCUMENTATION, INCLUDING BILLS OF LADING, WASTE MANIFESTS, AND CERTIFICATES OF DISPOSAL.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROCESSING THE EXCAVATED SOIL SUCH THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE DISPOSAL FACILITIES IN TERMS OF MAXIMUM PARTICLE SIZE/DEBRIS SIZE, MOISTURE CONTENT, AND PRESENCE OF FREE LIQUIDS. PROCESSING INCLUDES SCREENING OUT DEBRIS AND MOISTURE CONDITIONING. ADDITION OF STABILIZING AGENT FOR MOISTURE CONDITIONING OF WET SOIL SHALL BE MINIMIZED TO THE EXTENT POSSIBLE.
6. DEWATERING OF EXCAVATED SOIL SHALL BE ACCOMPLISHED BY GRAVITY DEWATERING USING A DEWATERING PAD AS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR MAY SUBMIT AN ALTERNATE METHOD OF DEWATERING FOR APPROVAL BY THE ENGINEER. DEWATERING SHALL BE PERFORMED IN A FASHION THAT IS PROTECTIVE OF THE ENVIRONMENT AND PROTECTIVE OF SURFACES THAT ARE CLEAN OR HAVE BEEN REMEDIATED.
7. LOAD WASTE FOR TRANSPORT IN A MANNER THAT PREVENTS SPILLAGE OR SPREADING OF WASTE. PROVIDE PROTECTIVE TEMPORARY COVERING, SUCH AS POLYETHYLENE SHEETING (6-MIL VISQUEEN OR EQUIVALENT), TO PROTECT CLEAN AREAS SITUATED BETWEEN TRANSPORT AND THE EXCAVATION FROM CROSS-CONTAMINATION DUE TO SPILLAGE OR DRIPPING OF WASTE MATERIAL.

CONSTRUCTION ENTRANCE

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOW OF MUD OFF OF THE SITE.
2. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY. WHEN NECESSARY, VEHICLE WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO LEAVING THE SITE. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP.
3. TRAPPED SEDIMENT SHALL BE REMOVED FROM THE SITE OR STABILIZED ON SITE AND PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS. DISTURBED AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
4. INSPECT STABILIZED ACCESS ACCORDING TO INSPECTION SCHEDULES.

SILT FENCE

1. SILT FENCE SHALL BE 10 FEET (MIN) FROM STEEP SLOPES. THE FENCE SHALL BE LEVEL.
2. ATTACH CONTINUOUS LENGTH OF FABRIC TO UP SLOPE SIDE OF FENCE POSTS. AVOID JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE. WHERE JOINTS ARE NECESSARY, FASTEN FABRIC SECURELY TO SUPPORT POSTS WITH A MINIMUM 6 INCH OVERLAP TO THE NEXT POST.
3. SILT FENCE FABRIC SHALL NOT BE ATTACHED TO TREES OR ANY OTHER VEGETATION.
4. PLACE THE FABRIC IN THE TRENCH SO THE BOTTOM FOLDS ACROSS THE BOTTOM OF THE TRENCH. PLACE BACKFILL IN THE TRENCH OVER THE FABRIC TO THE GROUND LINE AND COMPACT WITH A POWER TAMPER.
5. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
6. WOODEN SUPPORT POSTS SHALL BE A MINIMUM CROSS SECTIONAL AREA OF 3 SQUARE INCHES, AIR OR KILN DRIED OF HICKORY OR OAK AND 4 FEET LONG. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAL FOOT AND 5 FEET LONG. POST SPACING SHALL BE A MAXIMUM OF 6.25 FEET ON CENTER
7. THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:

GEOTEXTILE FOR TEMPORARY SILT FENCE		
GEOTEXTILE PROPERTY	ASTM TEST METHOD	GEOTEXTILE PROPERTY REQURIEMENTS
AOS	D4751	NO. 30 MAX. FOR SILT WOVENS, NO. 50 FOR ALL OTHER GEOTEXTILE TYPES, NO. 100 MIN.
WATER PERMITTIVITY	D4491	0.02 SEC^{-1} MIN.
GRAB TENSILE STRENGTH, IN MACHINE AND X-MACHINE DIRECTION	D4632	180 LB. MIN. IN MACHINE DIRECTION, 100 LB MIN. IN X-MACHINE DIRECTION
GRAB TENSILE STRENGTH, IN MACHINE AND X-MACHINE DIRECTION	D4632	30% MAX. AT 180 LB OR MORE
ULTRAVIOLET (UV) RADIATION STABILITY	D4355	70% STRENGTH RETAINED MIN., AFTER 500 HOURS IN XENON ARC DEVICE

* ALL NUMERICAL VALUES REPRESENT MINIMUM/MAXIMUM AVERAGE ROLL VALUES. FOR EXAMPLE, THE AVERAGE OF MINIMUM TEST RESULTS ON ANY ROLL IN A LOT SHOULD MEET OR EXCEED THE MINIMUM SPECIFIED VALUES.

8. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UP SLOPE SIDE OF WOODEN POSTS WITH 0.5 INCH STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN LATH AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR 50 POUND PLASTIC TIE STRAPS ON THE UP SLOPE SIDE.
9. INSPECT SEDIMENT FENCES ACCORDING TO REPORT INSPECTION SCHEDULES AND FOLLOWING ALL HEAVY RAIN OR HIGH WATER EVENTS.
10. SHOULD GEOTEXTILE FABRIC TEAR, DECOMPOSE, OR IN ANY WAY BECOME INEFFECTIVE, REPLACE IMMEDIATELY.
11. REMOVE SEDIMENT DEPOSITS PROMPTLY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAINFALL AND REDUCE PRESSURE ON FENCE. TAKE CARE TO AVOID UNDERMINING FENCE DURING CLEAN OUT.
12. ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS SHALL BE REMOVED UPON COMPLETION OF THE WORK. DISTURBED AREAS SHALL BE GRADED, STABILIZE, SEEDED AND/OR MULCHED TO FOSTER VEGETATIVE GROWTH.

SEDIMENT TRAPS

1. LOCATE THE STORM DRAIN INLETS NORTH AND SOUTH OF THE SITE ALONG WEST BAY DRIVE. WATTLES SHALL BE PLACED CONTINUOUSLY AND ON ALL SIDES OF STORM DRAINS.
2. INTENDED FOR TEMPORARY USE.
3. WATTLES SHALL BE REMOVED AFTER SITE CLEAN UP IS COMPLETE.

POST EXCAVATION STORM WATER MANAGEMENT

1. THE FOLLOWING CONTROL MEASURES SHALL BE IMPLEMENTED BY ARCADIS TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE AFTER THE HEAVY SITE CIVIL EXCAVATION PHASES HAVE BEEN COMPLETED AT THE PROJECT SITE.
   A. ROUTINE INSPECTION OF DRAINAGE WAYS BEFORE AND AFTER STORM EVENTS, INCLUDING CLEANING AND REMOVAL OF SEDIMENT AND DEBRIS
   B. IMPLEMENTATION OF EROSION CONTROL MEASURES AS NEEDED IN THE LONG-TERM TO MITIGATE THE EFFECTS OF EROSION ON OPEN SLOPES ADJACENT TO AND WITHIN THE EXCAVATION SITE.

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: **CARSTEN BECKER**
Professional Engineer's No.: 39822

State	Date Signed	Project Mgr.
WA	09/21/16	B.MARCUM

Designed by	Drawn by	Checked by
R. KILKENNY	A.REYES	C. BECKER

CARSTEN BECKER — STATE OF WASHINGTON — 39822 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09/23/2018

ARCADIS | Design & Consultancy for natural and built assets

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CONTRACT DRAWINGS

EROSION AND SEDIMENT CONTROL NOTES

ARCADIS Project No.: GP09BPNA.WA60.K0000
Date: SEPTEMBER 2016

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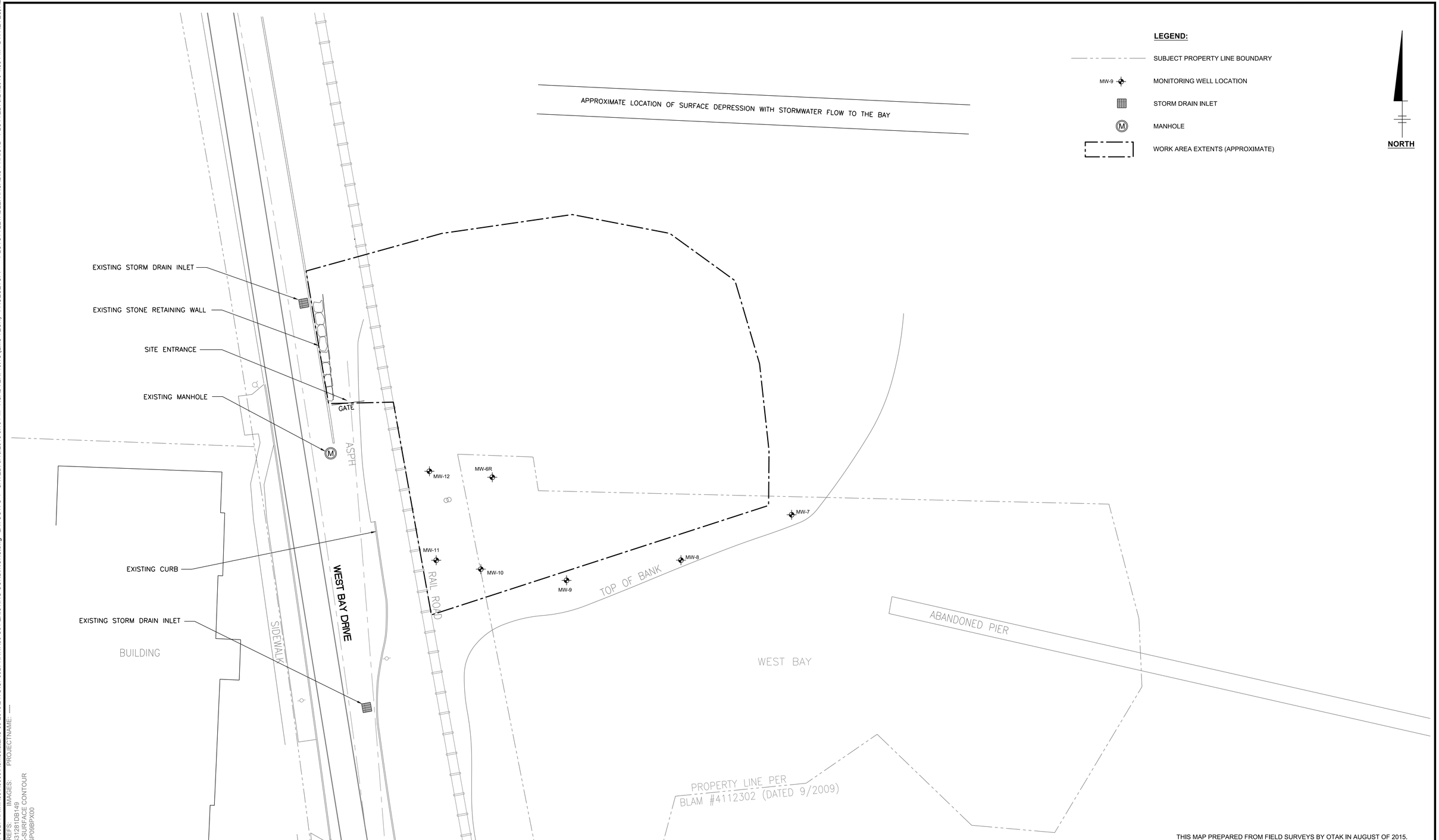
G-2



THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN AUGUST OF 2015.

0 20' 40'
GRAPHIC SCALE: 1 in. = 20 ft.

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: CARSTEN BECKER		
Professional Engineer's No.: 39822		
State: WA	Date Signed: 09/21/16	Project Mgr.: B.MARCUM
Designed by: R. KILKENNY	Drawn by: A.REYES	Checked by: C. BECKER

CARSTEN BECKER — STATE OF WASHINGTON — 39822 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09/23/2018

ARCADIS Design & Consultancy for natural and built assets

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FORMER INDUSTRIAL PETROLEUM DISTRIBUTORS ● 1120 WEST BAY DRIVE NORTHWEST, OLYMPIA, WASHINGTON
CONTRACT DRAWINGS

EXISTING CONDITIONS

ARCADIS Project No.
GP09BPNA.WA60.K0000

Date
SEPTEMBER 2016

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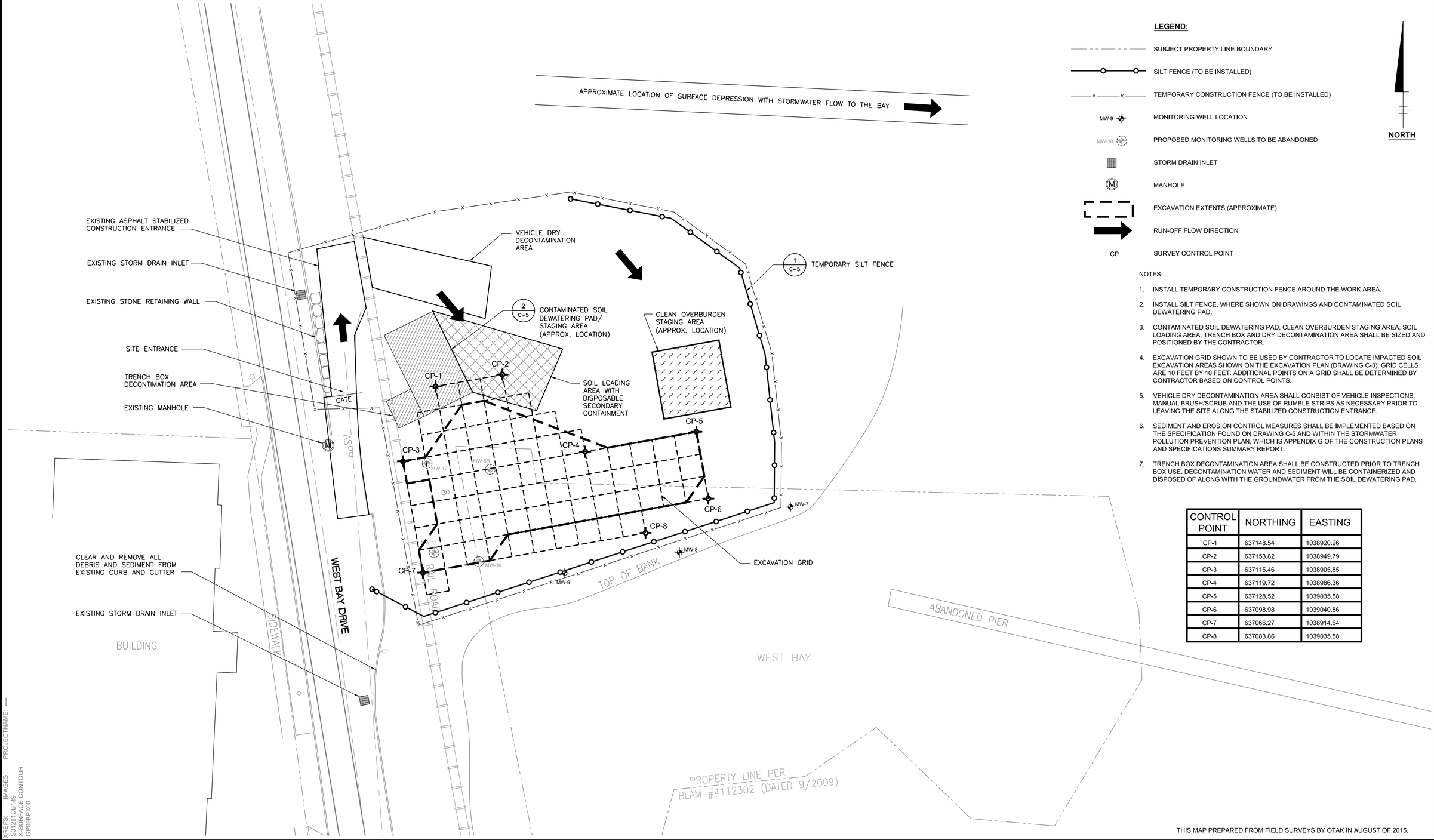
C-1



LEGEND:

- SUBJECT PROPERTY LINE BOUNDARY
- SILT FENCE (TO BE INSTALLED)
- TEMPORARY CONSTRUCTION FENCE (TO BE INSTALLED)
- MW-9 MONITORING WELL LOCATION
- MW-10 PROPOSED MONITORING WELLS TO BE ABANDONED
- STORM DRAIN INLET
- MANHOLE
- EXCAVATION EXTENTS (APPROXIMATE)
- RUN-OFF FLOW DIRECTION
- CP SURVEY CONTROL POINT

NORTH

NOTES:

1. INSTALL TEMPORARY CONSTRUCTION FENCE AROUND THE WORK AREA.
2. INSTALL SILT FENCE, WHERE SHOWN ON DRAWINGS AND CONTAMINATED SOIL DEWATERING PAD.
3. CONTAMINATED SOIL DEWATERING PAD, CLEAN OVERBURDEN STAGING AREA, SOIL LOADING AREA, TRENCH BOX AND DRY DECONTAMINATION AREA SHALL BE SIZED AND POSITIONED BY THE CONTRACTOR.
4. EXCAVATION GRID SHOWN TO BE USED BY CONTRACTOR TO LOCATE IMPACTED SOIL EXCAVATION AREAS SHOWN ON THE EXCAVATION PLAN (DRAWING C-3). GRID CELLS ARE 10 FEET BY 10 FEET. ADDITIONAL POINTS ON A GRID SHALL BE DETERMINED BY CONTRACTOR BASED ON CONTROL POINTS.
5. VEHICLE DRY DECONTAMINATION AREA SHALL CONSIST OF VEHICLE INSPECTIONS, MANUAL BRUSH/SCRUB AND THE USE OF RUMBLE STRIPS AS NECESSARY PRIOR TO LEAVING THE SITE ALONG THE STABILIZED CONSTRUCTION ENTRANCE.
6. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED BASED ON THE SPECIFICATION FOUND ON DRAWING C-5 AND WITHIN THE STORMWATER POLLUTION PREVENTION PLAN, WHICH IS APPENDIX G OF THE CONSTRUCTION PLANS AND SPECIFICATIONS SUMMARY REPORT.
7. TRENCH BOX DECONTAMINATION AREA SHALL BE CONSTRUCTED PRIOR TO TRENCH BOX USE. DECONTAMINATION WATER AND SEDIMENT WILL BE CONTAINERIZED AND DISPOSED OF ALONG WITH THE GROUNDWATER FROM THE SOIL DEWATERING PAD.

CONTROL POINT	NORTHING	EASTING
CP-1	637148.54	1038920.26
CP-2	637153.82	1038949.79
CP-3	637115.46	1038905.85
CP-4	637119.72	1038986.36
CP-5	637128.52	1039035.58
CP-6	637098.98	1039040.86
CP-7	637066.27	1038914.64
CP-8	637083.86	1039035.58

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN AUGUST OF 2015.

0 20' 40'
GRAPHIC SCALE: 1 IN. = 40 FT.
NOT TO SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: **CARSTEN BECKER**
Professional Engineer's No.: 39822

State	Date Signed	Project Mgr.
WA	09/21/16	B.MARCUM
Designed by	Drawn by	Checked by
R. KILKENNY	A.REYES	C. BECKER

CARSTEN BECKER — 39822 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON
EXPIRES 09/23/2018

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SITE PREPARATION PLAN

ARCADIS Project No.: GP09BPNA.WA60.K0000
Date: SEPTEMBER 2016

ARCADIS
1100 OLIVE WAY, SUITE 800
SEATTLE, WA 98102
TEL.206.726.4739

C-2

CITY:EVMV DIV/GROUP:ENVCAD DB:ASR LD:G.STEINBERGER PIC: PM:S.ZORN TM: LYR:ON=*;OFF=*REF*
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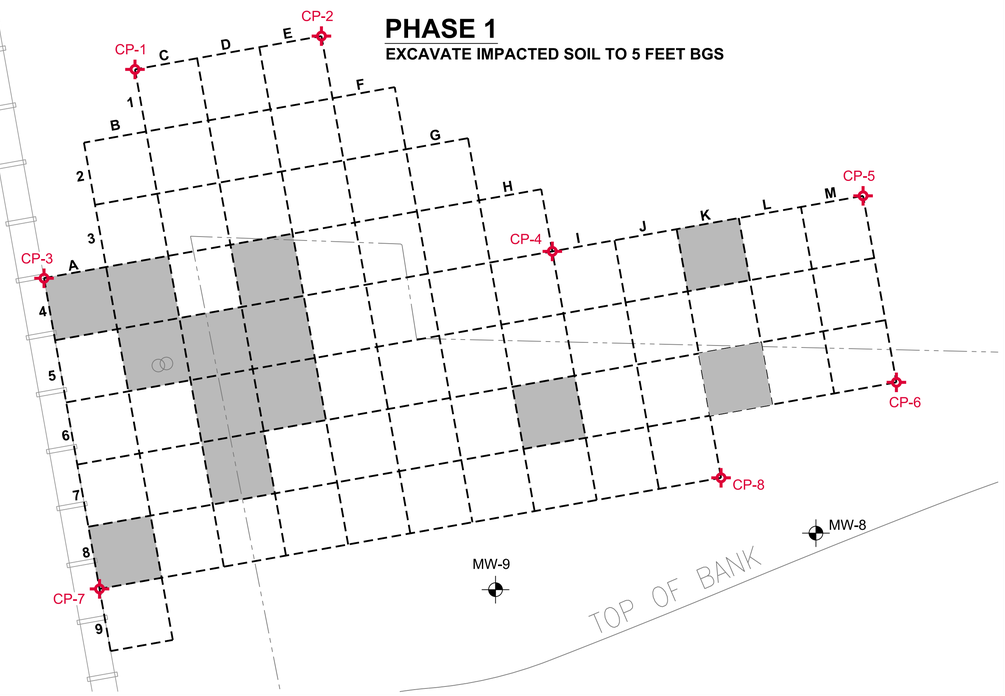
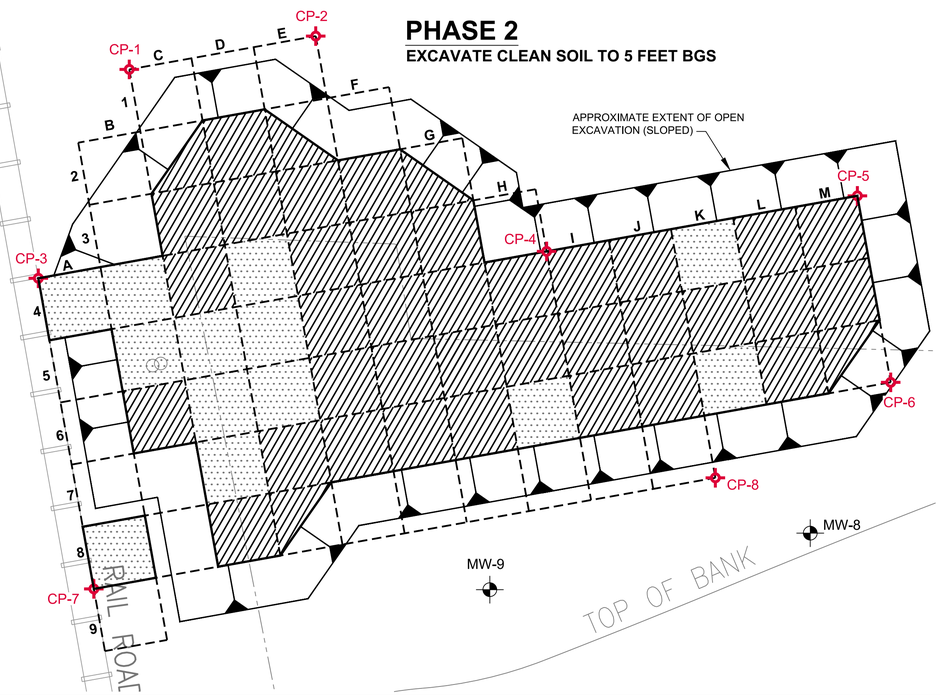
XREFS: IMAGES: PROJECTNAME: ----
S31281DB149
X-SURFACE CONTOUR
GP09BPX00

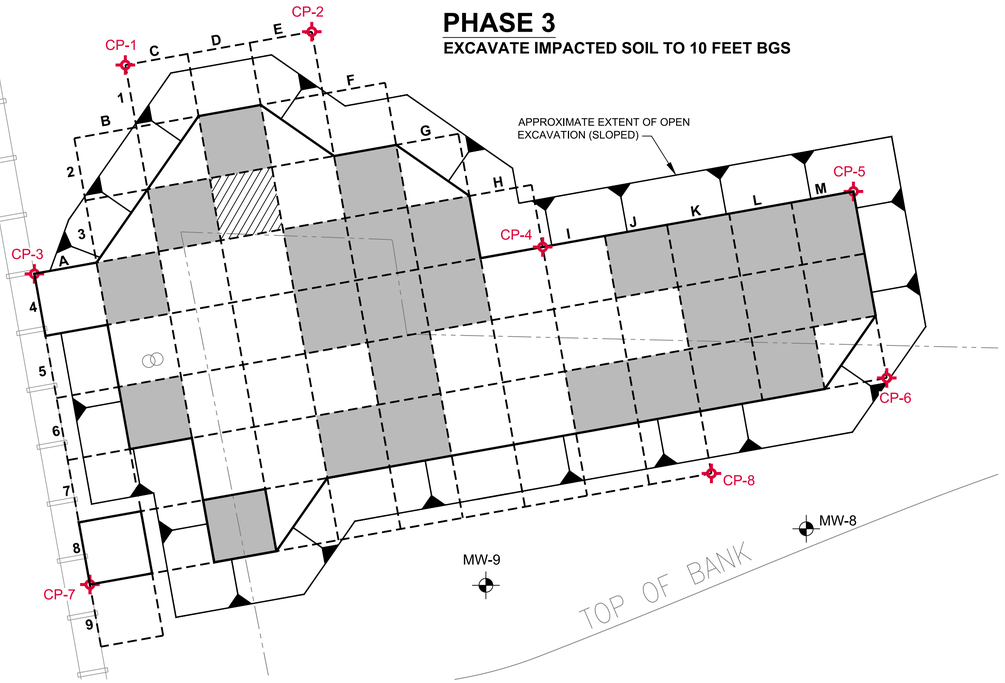
PHASE 1
EXCAVATE IMPACTED SOIL TO 5 FEET BGS



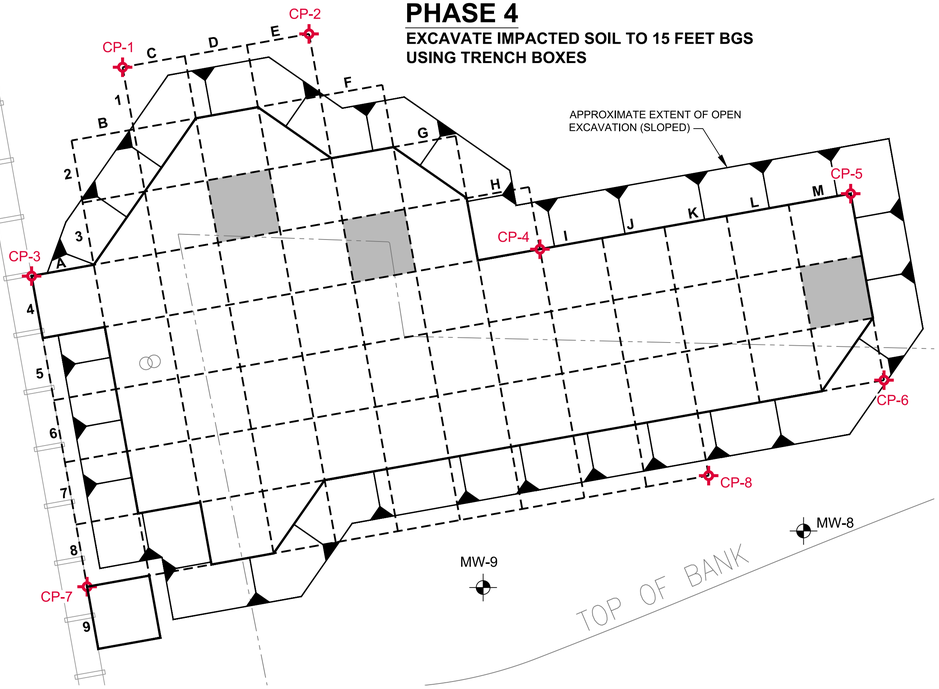
PHASE 2
EXCAVATE CLEAN SOIL TO 5 FEET BGS



PHASE 3
EXCAVATE IMPACTED SOIL TO 10 FEET BGS



PHASE 4
EXCAVATE IMPACTED SOIL TO 15 FEET BGS USING TRENCH BOXES



NORTH

LEGEND:

- SUBJECT PROPERTY LINE BOUNDARY
- SLOPED AREAS (APPROXIMATE)
- A / 4 — IMPACTED SOIL EXCAVATION EXTENTS
- A / 4 — CLEAN OVERBURDEN EXCAVATION EXTENTS
- A / 4 — PREVIOUSLY EXCAVATED AREA
- A / 4 — NO EXCAVATION IN RESPECTIVE PHASE
- CP — SURVEY CONTROL POINT

0 12' 24'
GRAPHIC SCALE: 1 in. = 12 ft.

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: ——— USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: **CARSTEN BECKER**
Professional Engineer's No.: 39822

State	Date Signed	Project Mgr.
WA	09/21/16	B.MARCUM
Designed by R. KILKENNY	Drawn by A.REYES	Checked by C. BECKER

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EXPIRES 09/23/2018

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EXCAVATION PLAN

ARCADIS Project No.: GP09BPNA.WA60.K0000
Date: SEPTEMBER 2016

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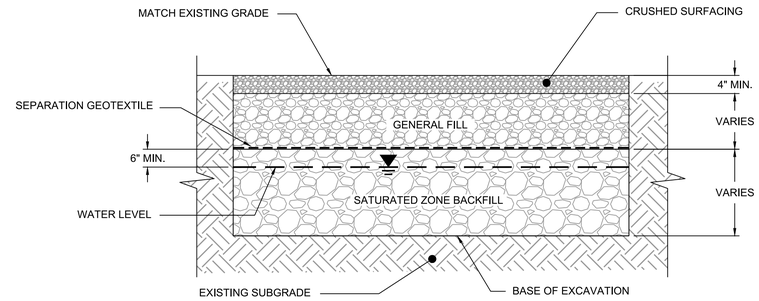
1100 OLIVE WAY, SUITE 800
SEATTLE, WA 98102
TEL.206.726.4739

C-3

LEGEND:

- SUBJECT PROPERTY LINE BOUNDARY
- MW-9 — MONITORING WELL LOCATION
- STORM DRAIN INLET
- MW-13 — PROPOSED MONITORING WELL LOCATION
- EXCAVATION EXTENTS (APPROXIMATE) TO BE BACKFILLED AND RESTORED
- WORK AREA EXTENTS (APPROXIMATE)
- RUN-OFF FLOW DIRECTION

NORTH



1 C-3 RESTORATION DETAIL
NOT TO SCALE

SEPARATION GEOTEXTILE REQUIREMENTS				
TEST	TEST METHOD	UNITS	ELONGATION	
			<50%	≥50%
GRAB STRENGTH (MIN)	D4632	N	800	500
SEWN SEAM STRENGTH (MIN)	D4632	N	720	450
TEAR STRENGTH (MIN)	D4533	N	300	180
PUNCTURE STRENGTH (MIN)	D6241	N	1650	990
PERMITIVITY (MIN)	D4491	SEC^{-1}	0.02	
APPARENT OPENING SIZE (MIN)	D4751	mm	0.6	
ULTRAVIOLET STABILITY (MIN RETAINED STRENGTH)	D4355	%	50% RET @ 500 HRS	

NOTES:

1. BACKFILL AND RESTORE EXCAVATION AREA AS SHOWN ON RESTORATION DETAIL.
2. POST-CONSTRUCTION GRADES SHALL MATCH PRE-CONSTRUCTION GRADES.
3. AREAS OUTSIDE THE EXCAVATION AREA DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITIONS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO FILLING AND GRADING OF RUTS.

THIS MAP PREPARED FROM FIELD SURVEYS BY OTAK IN AUGUST OF 2015.

CITY:\EV\MV DIV/GROUP:ENVCAD DB:ASR LD:G.STEINBERGER PIC: PM:S.ZORN TM: LYR:ON=*;OFF=*REF*
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XREFS: IMAGES: PROJECTNAME: ---
S3128108149
X-SURFACE CONTOUR
GP09BPX00

0 20' 40'
GRAPHIC SCALE: 1 in. = 20 ft.

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: CARSTEN BECKER		
Professional Engineer's No.: 39822		
State: WA	Date Signed: 09/21/16	Project Mgr.: B.MARCUM
Designed by: R. KILKENNY	Drawn by: A.REYES	Checked by: C. BECKER

CARSTEN BECKER — STATE OF WASHINGTON — 39822 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09/23/2018

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CONTRACT DRAWINGS

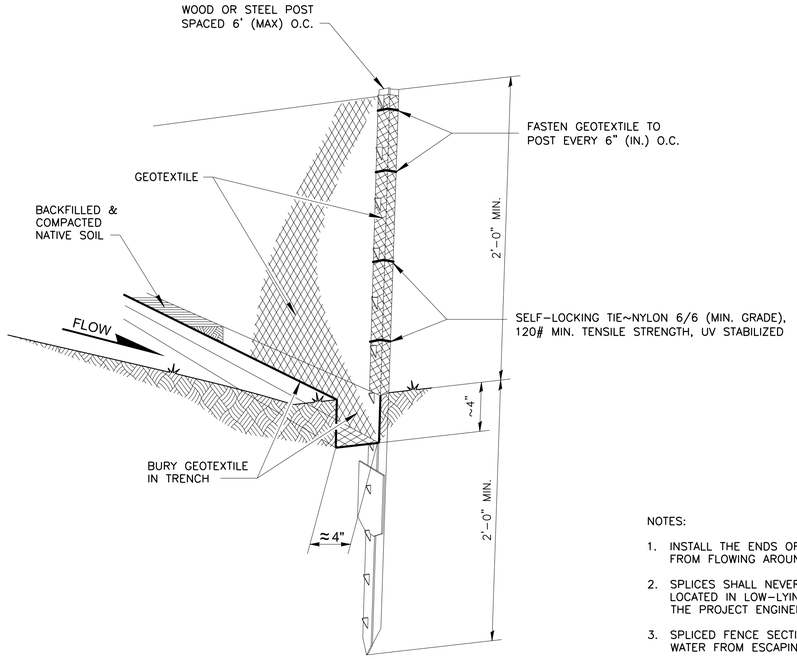
RESTORATION PLAN AND DETAIL

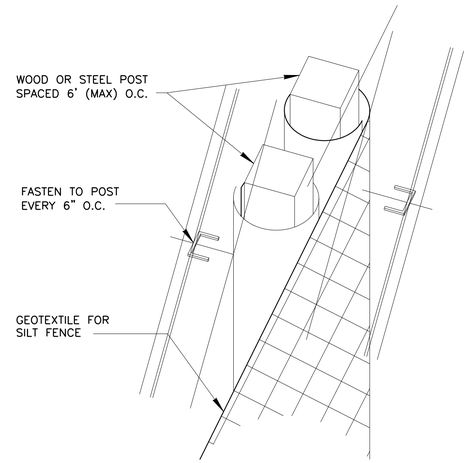
ARCADIS Project No.
GP09BPNA.WA60.K0000

Date
SEPTEMBER 2016

ARCADIS
1100 OLIVE WAY, SUITE 800
SEATTLE, WA 98102
TEL.206.726.4739

C-4

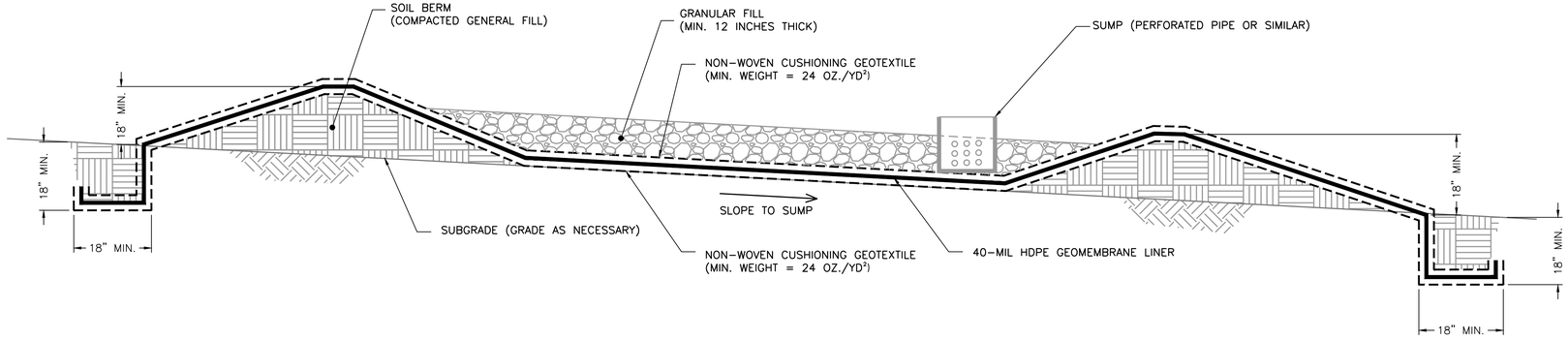




NOTES:

1. INSTALL THE ENDS OF THE SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW-LYING OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS THE PROJECT ENGINEER APPROVES THE INSTALLATION.
3. SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

1 / C-4 TEMPORARY SILT FENCE
NOT TO SCALE



NOTES:

1. MATERIALS WITHIN THE DEWATERING PAD SHALL BE COVERED WITH 10-MIL PLASTIC SHEETING AT ALL TIMES.
2. DEWATERING PAD SHALL BE SLOPED (INCLUDES HDPE LINER) TOWARD COLLECTION SUMP TO FACILITATE COLLECTION AND REMOVAL OF LIQUIDS. LIQUIDS SHALL BE PUMPED FROM COLLECTION SUMP TO THE WATER TREATMENT SYSTEM.
3. UPON COMPLETION OF REMEDIAL CONSTRUCTION ACTIVITIES THE DEWATERING PAD, INCLUDING GEOSYTHETIC MATERIALS, SHALL BE REMOVED BY THE CONTRACTOR FOR OFF-SITE DISPOSAL.
4. SUBGRADE SURFACE SHALL BE UNIFORM AND FREE OF DELETERIOUS MATERIALS (E.G., SHARP AND/OR ANGULAR STONES, WOODY DEBRIS, CONSTRUCTION DEBRIS, SHARP OBJECTS) THAT COULD DAMAGE THE HDPE LINER. PARTICLES LARGER THAN APPROXIMATELY 1.0 INCHES SHALL BE REMOVED FROM SUBGRADE SURFACE PRIOR TO PLACEMENT OF GEOTEXTILE AND LINER.
5. COMPACT SUBGRADE SHALL PROVIDE A FIRM AND UNIFORM SURFACE. PLACE AND COMPACT GENERAL FILL AS NECESSARY FOR GRADING AND TO PROVIDE UNIFORM SURFACE. COMPACTION OF FILL MATERIAL ABOVE GEOSYNTHETIC MATERIALS SHALL BE PERFORMED IN A MANNER AND USING APPROPRIATE EQUIPMENT THAT AVOIDS DAMAGING THE GEOSYNTHETIC MATERIALS.
6. GRANULAR FILL FOR PLACEMENT ON LINER SHALL BE CAPABLE OF CONVEYING FLUIDS TO LIQUID COLLECTION SUMP. CONTRACTOR SHALL SELECT APPROPRIATE GRADATION. MAXIMUM PARTICLE SIZE NOT TO EXCEED 1.5 INCHES. USE FILL MATERIAL WITH SUBANGULAR (OR LESS ANGULAR) STONE.
7. CONTRACTOR MAY SUBMIT ALTERNATE METHOD OF DEWATERING FOR APPROVAL BY THE ENGINEER.
8. APPROPRIATE SIZE OF THE DEWATERING PAD SHALL BE DETERMINED BY THE CONTRACTOR.
9. TO AVOID DAMAGE TO THE HDPE LINER, NO HEAVY CONSTRUCTION EQUIPMENT SUCH AS TRUCKS, DOZERS, AND EXCAVATORS SHALL BE OPERATED DIRECTLY ON THE DEWATERING PAD.
10. DEWATERING PAD DETAILS SHOWN ABOVE PROVIDE MINIMUM REQUIREMENTS. CONTRACTOR SHALL UPGRADE DESIGN FEATURES AS NECESSARY TO PROVIDE APPROPRIATE CONTAINMENT (E.G., BERM HEIGHT SHALL BE ADJUSTED AS NECESSARY TO PROVIDE ADEQUATE CONTAINMENT OF LIQUIDS).
11. ADDITIONAL CONTAMINATED SOIL AND WATER MITIGATION DETAILS CAN BE FOUND IN THE STORMWATER POLLUTION PREVENTION PLAN, APPENDIX G OF THE CONSTRUCTION PLANS AND SPECIFICATIONS SUMMARY REPORT.

2 / C-4 CONTAMINATED SOIL DEWATERING PAD DETAIL AND TRENCH BOX DECONTAMINATION
NOT TO SCALE

0 10' 20'
GRAPHIC SCALE: 1 in. = 20 ft.

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Cko

Professional Engineer's Name: CARSTEN BECKER
Professional Engineer's No.: 39822

State	Date Signed	Project Mgr.
WA	09/21/16	B.MARCUM
Designed by: R. KILKENNY	Drawn by: A.REYES	Checked by: C. BECKER

CARSTEN BECKER — REGISTERED WASHINGTON — 39822 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 09/23/2018

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CONTRACT DRAWINGS

DETAILS

ARCADIS Project No.
GP09BPNA.WA60.K0000

Date
SEPTEMBER 2016

ARCADIS
1100 OLIVE WAY, SUITE 800
SEATTLE, WA 98102
TEL.206.726.4739

C-5

CITY:EVMV DIV/GROUP:ENVCAD DB:ASR LD:G.STEINBERGER PIC: PM:S.ZORN TM: LYR:ON=*;OFF=*REF* G:\ENVCAD\Emeryville\ACT\GP09BPNA\WA60\K0000\RemedialEXC 09-2016\DWG\GP09BPNAWA60 C05 DETAILS.dwg LAYOUT: C-5 SAVED: 9/21/2016 4:41 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS-PHX.CTB PLOTTED: 9/27/2016 8:14 AM BY: REYES, ALEC
XREFS: GP09BPX00 IMAGES: PROJECTNAME: ----

APPENDIX E

Construction Stormwater Inspection Forms

Construction Stormwater Site Inspection Form

Project Name BP Olympic Permit # WAR303363 Inspection Date 10/4/16 Time 0720

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Jason Little

Approximate rainfall amount since the last inspection (in inches): 0.04 inches

Approximate rainfall amount in the last 24 hours (in inches): 0.04 inches

Current Weather Clear ☐ Cloudy ☑ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☑ Post Storm Event ☑ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☑ Clearing/Demo/Grading	☐ Infrastructure/storm/roads	☐
Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes ✓	No ___	No discharge
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No ✓	
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No ✓	
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No ✓	
5. If yes to #4 was it reported to Ecology?	Yes ___	No ✓	
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No ✓	

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: ___

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	✓					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	✓					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			✓			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	✓					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			✓			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	✓			Need to replace a single section of fence silt		
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.			✓			
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	✓					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	✓					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	✓					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			✓			
	Is off-site storm water managed separately from stormwater generated on the site?			✓			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?			✓			
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?			✓			
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	✓					
	Are existing storm drains within the influence of the project protected?	✓					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			✓			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?			✓			
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	✓					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			✓			
	Has secondary containment been provided capable of containing 110% of the volume?			✓			
	Were contaminated surfaces cleaned immediately after a spill incident?			✓			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			✓			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			✓			
	Dewatering has been done to an approved source and in compliance with the SWPPP.			✓			
	Were there any clean non turbid dewatering discharges?			✓			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	✓					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	✓					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	✓					
	Has the SWPPP been updated, implemented and records maintained?	✓					

E. Check all areas that have been inspected. ✓

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☐ All material storage areas ☑

All discharge locations ☑ All equipment storage areas ☑ All construction entrances/exits ☑

(No discharge)

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4	Silt fence.	Need to install additional section of silt fence	10/4/16	

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Jason Lirch (Signature) _____ Date: 10/4/16

Title/Qualification of Inspector: Technical Assistant

Construction Stormwater Site Inspection Form

Project Name BP 014 Permit # WAR30563 Inspection Date 10/7/16 Time 1430

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Tara Light

Approximate rainfall amount since the last inspection (in inches): 0.83

Approximate rainfall amount in the last 24 hours (in inches): 0.43

Current Weather Clear ☑ Cloudy ☐ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☐ Post Storm Event ☑ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☑ Clearing/Demo/Grading	☐ Infrastructure/storm/roads	☐
Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes ☑	No ☐
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ☐	No ☑
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ☐	No ☑
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ☐	No ☑
5. If yes to #4 was it reported to Ecology?	Yes ☐	No ☐
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ☐	No ☑

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: NA

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	✓					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads? asphalt	✓					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.	✓					
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	✓					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			✓			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	✓					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.			✓			
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	✓					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	✓					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	✓					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?	✓					
	Is off-site storm water managed separately from stormwater generated on the site?	✓					
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?			✓			
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?			✓			
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	✓					
	Are existing storm drains within the influence of the project protected?	✓					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			✓			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	✓					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	✓					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	✓					
	Has secondary containment been provided capable of containing 110% of the volume?	✓					
	Were contaminated surfaces cleaned immediately after a spill incident?	✓					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			✓			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			✓			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	✓					
	Were there any clean non turbid dewatering discharges?		✓				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	✓					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	✓					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	✓					
	Has the SWPPP been updated, implemented and records maintained?	✓					

E. Check all areas that have been inspected. ✓

All in place BMPs ☑ All disturbed soils ☐ All concrete wash out area ☒ NA All material storage areas ☑

All discharge locations No discharge ☐ All equipment storage areas ☑ All construction entrances/exits ☑

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Jason Wirth (Signature) _____ Date: 10/10/16

Title/Qualification of Inspector: Project Manager

Construction Stormwater Site Inspection Form

Project Name BP Oly Extension **Permit #** WAR305631 **Inspection Date** 10/10/16 **Time** 0745

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Jason Little

Approximate rainfall amount since the last inspection (in inches): 0.44

Approximate rainfall amount in the last 24 hours (in inches): 0.06

Current Weather Clear ☐ Cloudy ☐ Mist ☐ Rain ☐ Wind ☐ Fog ☑

A. Type of inspection: Weekly ☑ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☑ Clearing/Demo/Grading	☐ Infrastructure/storm/roads	☐
Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes ✓	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No ✓
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No ✓
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No ✓
5. If yes to #4 was it reported to Ecology?	Yes ___	No ✓
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No ✓

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	✓					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	✓					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			✓			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	✓					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			✓			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	✓					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.			✓			
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	✓					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	✓					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	✓					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			✓			
	Is off-site storm water managed separately from stormwater generated on the site?			✓			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?			✓			
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?			✓			
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	✓					
	Are existing storm drains within the influence of the project protected?	✓					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			✓			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?			✓			
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	✓					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	✓		~~✓~~ 2			
	Has secondary containment been provided capable of containing 110% of the volume?	✓		~~✓~~ 2			
	Were contaminated surfaces cleaned immediately after a spill incident?			✓			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			✓			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			✓			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	✓					
	Were there any clean non turbid dewatering discharges?			✓			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	✓					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	✓					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	✓					
	Has the SWPPP been updated, implemented and records maintained?	✓					

E. Check all areas that have been inspected. ✓

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☐ All material storage areas ☑
All discharge locations ☐ All equipment storage areas ☑ All construction entrances/exits ☑

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Jason Kirk (Signature) _____ Date: 10/7/16

Title/Qualification of Inspector: Technical Assistant

Construction Stormwater Site Inspection Form

Project Name BP Oly Excavation Permit # WAR 303363 Inspection Date 10/17/16 Time 0930

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Alex Pink

Approximate rainfall amount since the last inspection (in inches): 6.80

Approximate rainfall amount in the last 24 hours (in inches): 0.63

Current Weather Clear ☐ Cloudy ☑ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☑ Post Storm Event ☑ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☑ Clearing/Demo/Grading	☑ Infrastructure/storm/roads	☐
Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes ✓	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No ✓
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No ✓
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No ✓
5. If yes to #4 was it reported to Ecology?	Yes ___	No ✓
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No ✓

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: NA

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	✓					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	✓					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			✓			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	✓					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			✓			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	✓					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.			✓			
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	✓					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	✓					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	✓					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			✓			
	Is off-site storm water managed separately from stormwater generated on the site?			✓			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?			✓			
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?			✓			
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	✓					
	Are existing storm drains within the influence of the project protected?	✓					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			✓			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?			✓			
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	✓					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	✓					
	Has secondary containment been provided capable of containing 110% of the volume?	✓					
	Were contaminated surfaces cleaned immediately after a spill incident?			✓			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	✓					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			✓			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			✓			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	✓					
	Were there any clean non turbid dewatering discharges?			✓			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	✓					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	✓					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	✓					
	Has the SWPPP been updated, implemented and records maintained?	✓					

E. Check all areas that have been inspected. ✔

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☐ All material storage areas ☑
All discharge locations ☐ All equipment storage areas ☑ All construction entrances/exits ☑

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Alex Pink (Signature) Alex Pink Date: 10/12/16

Title/Qualification of Inspector: Senior Field Technician

Construction Stormwater Site Inspection Form

Project Name BP Oly Permit # WAR303363 Inspection Date 10/18 Time 930

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Matthew Flint

Approximate rainfall amount since the last inspection (in inches): 0.57

Approximate rainfall amount in the last 24 hours (in inches): 0.57

Current Weather Clear ☐ Cloudy ☒ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☐ Post Storm Event ☐ Other ☒ Correction

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☐	Clearing/Demo/Grading	☐ Infrastructure/storm/roads ☐
Concrete pours	☐	Vertical Construction/buildings	☐ Utilities ☐
Offsite improvements	☐	Site temporary stabilized	☐ Final stabilization ☒

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No ___ N/A
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___ N/A
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No ___ N/A

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.			X			
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?			X			
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?			X			
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?			X			
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.		X	X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?			+			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?						
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					

E. Check all areas that have been inspected. ✔

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Matt Flint (Signature) [signature] Date: 10/10/16

Title/Qualification of Inspector: CESCL EF3251505

APPENDIX F

Well Decommissioning Logs

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE39510

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE04900

Consulting Firm Arcadis

Unique Ecology Well ID Tag No. ~~Arcadis~~ AKG 716

Type of Well *(select one)*

☐ Resource Protection

☐ Geotech Soil Boring

Property Owner Port of Olympia

Site Address 1117 W. BAY DR

City Olympia County 34 Thurston

Location SE 1/4-1/4 SW 1/4 Sec 10 Twn 18N R 2W

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Todd Karpschie

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3071

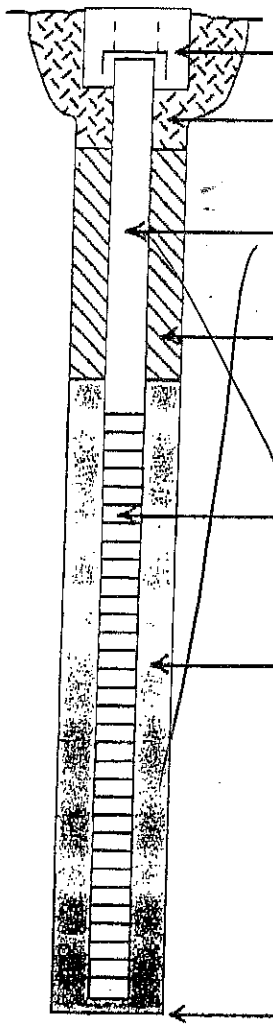
Tax Parcel No. _____

Cased or Uncased Diameter _____ Static Level _____

Work/Decommission Start Date 9-30-16

Work/Decommission Completed Date 9-30-16

If trainee, licensed driller's Signature and License No. _____

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: _____ CONCRETE SURFACE SEAL _____ ft. PVC BLANK 2" " x _____ ' BACKFILL _____ ft. TYPE: _____ PVC SCREEN _____ " x _____ ' SLOT SIZE: _____ TYPE: _____ GRAVEL PACK _____ ft. MATERIAL: _____ WELL DEPTH 15 '	0 - _____ ft. _____ - _____ ft. Decommission with Bentonite _____ - _____ ft. _____ - _____ ft. _____ - _____ ft. REMARKS

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE39510

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE04900

Consulting Firm Arcadis

Unique Ecology Well ID Tag No. Arcadis BCB 889

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Todd Karpstein

Driller/Engineer/Trainee Signature

Driller or Trainee License No. 3027

If trainee, licensed driller's Signature and License No.

Type of Well *(select one)*

☐ Resource Protection

☐ Geotech Soil Boring

Property Owner Port of Olympia

Site Address 1117 W. Bay Dr.

City Olympia County 34 Thurston

Location SE 1/4-1/4 SW 1/4 Sec 16 Twn 18N R 2W Select One ☐ BWM ☐ WWM

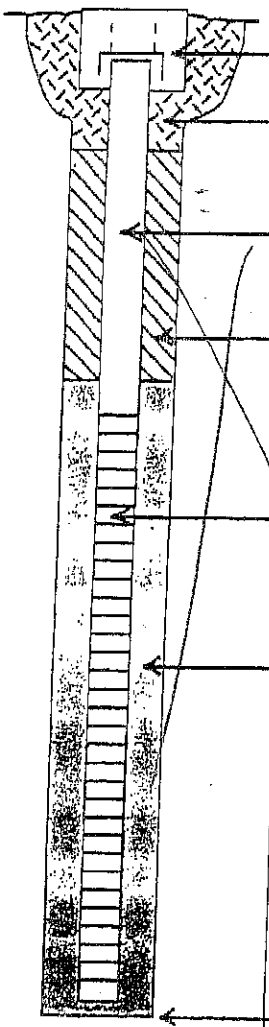
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No.

Cased or Uncased Diameter ____ Static Level ____

Work/Decommission Start Date 9-30-16

Work/Decommission Completed Date 9-30-16

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: ____	0 - ft.
	CONCRETE SURFACE SEAL ____ ft.	- ft.
	PVC BLANK 2" " x '	Decommission Bentonite
	BACKFILL ____ ft.	- ft.
	TYPE: ____	
	PVC SCREEN " x '	- ft.
	SLOT SIZE: ____	
	TYPE: ____	
	GRAVEL PACK ____ ft.	- ft.
	MATERIAL: ____	
	WELL DEPTH 131 '	

REMARKS

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE39510

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE04900

Consulting Firm Arcadis

Unique Ecology Well ID Tag No. ~~Arcadis~~ BCB 886

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Todd Karpstein

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3027

If trainee, licensed driller's Signature and License No.

Type of Well *(select one)*

☐ Resource Protection

☐ Geotech Soil Boring

Property Owner Port of Olympia

Site Address 1117 W. Bay Dr

City Olympia County 34 Thurston

Location SE 1/4-1/4 SW 1/4 Sec 10 Twn 18N R 2W ☐ E/W/M ☐ W/W/M

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

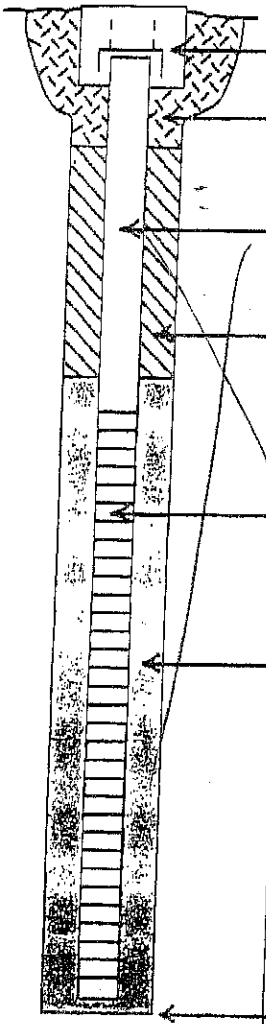
Tax Parcel No.

Cased or Uncased Diameter _____ Static Level _____

Work/Decommission Start Date 9-30-10

Work/Decommission Completed Date 9-30-10

Construction/Design



MONUMENT TYPE:

CONCRETE SURFACE SEAL ft.

PVC BLANK 2" "x '

BACKFILL ft.

TYPE:

PVC SCREEN "x '

SLOT SIZE:

TYPE:

GRAVEL PACK ft.

MATERIAL:

WELL DEPTH 15. '

Well Data

0 - ft.

- ft.

Decommission with Bentonite

- ft.

- ft.

- ft.

Formation Description

REMARKS

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE39510

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE04900

Consulting Firm Arcadis

Unique Ecology Well ID Tag No. BCB 887

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Todd Karpschied

Driller/Engineer /Trainee Signature [signature]

Driller or Trainee License No. 3021

If trainee, licensed driller's Signature and License No. ______

Type of Well *(select one)*

☐ Resource Protection

☐ Geotech Soil Boring

Property Owner Port of Olympia

Site Address 1117 W. BAY DR

City Olympia County 34 Thurston

Location SE 1/4-1/4 SW 1/4 Sec 10 Twn 18 R 2W (Select One ☐ EWM ☐ WWM)

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

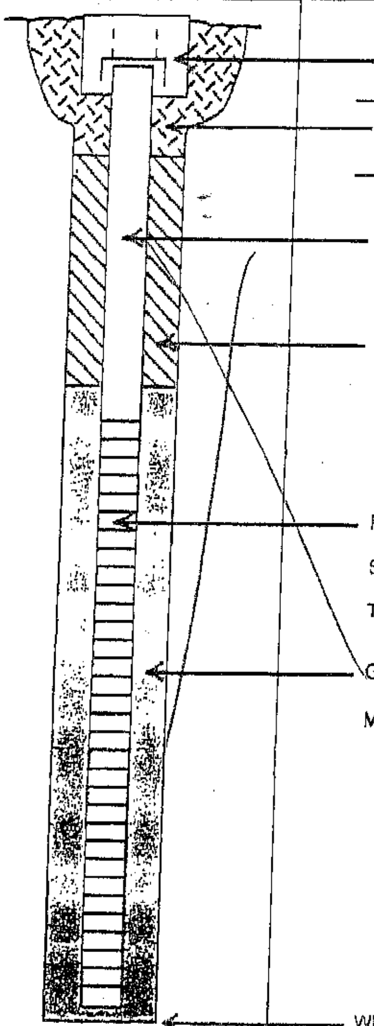
Tax Parcel No. ______

Cased or Uncased Diameter ______ Static Level ______

Work/Decommission Start Date 9-30-06

Work/Decommission Completed Date 9-30-06

Construction/Design	Well Data	Formation Description



MONUMENT TYPE: ______

CONCRETE SURFACE SEAL ______ ft.

PVC BLANK 2 "x ___ '

BACKFILL ______ ft.

TYPE: ______

PVC SCREEN ___ "x ___ '

SLOT SIZE: ______

TYPE: ______

GRAVEL PACK ______ ft.

MATERIAL: ______

WELL DEPTH 13' "

0 - ___ ft.

___ - ___ ft.

Decommisson

___ - ___ ft.

___ - ___ ft.

___ - ___ ft.

REMARKS

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. AE39510

Construction/Decommission *(select one)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE04900

Type of Well *(select one)*

☐ Resource Protection

☐ Geotech Soil Boring

Consulting Firm Aradas

Unique Ecology Well ID

Tag No. ~~Aradas~~ BCB688

Property Owner Port of Olympia

Site Address 1117 W. BAY DR.

City Olympia County 34 Thurston

Location SE 1/4-1/4 SW 1/4 Sec 10 Twn 18N R 2W Select One ☐ BM/AT ☐ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Todd Karpschied

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3077

Tax Parcel No. _____

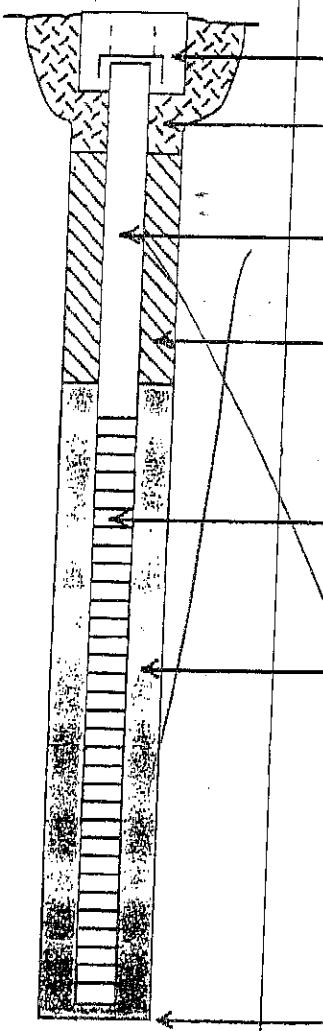
Cased or Uncased Diameter _____ Static Level _____

Work/Decommission Start Date 9-30-16

Work/Decommission Completed Date 9-30-16

If trainee, licensed driller's Signature and License No. _____

Construction/Design



MONUMENT TYPE: _____

CONCRETE SURFACE SEAL _____ ft.

PVC BLANK 2" x _____ '

BACKFILL _____ ft.

TYPE: _____

PVC SCREEN _____ "x _____ '

SLOT SIZE: _____

TYPE: _____

GRAVEL PACK _____ ft.

MATERIAL: _____

WELL DEPTH 15 '

Well Data

0 - _____ ft.

_____ - _____ ft.

Decommission Bentonite

_____ - _____ ft.

_____ - _____ ft.

_____ - _____ ft.

Formation Description

REMARKS

APPENDIX G

Replacement Well Boring Log

ARCADIS Design & Consultancy for natural and built assets

Boring No.: **MW-13**

Soil Boring Log

Sheet : 1 of 1

Project Name:	BP Olympia	Date Started:	12/15/16	Logger:	Ryan Brauchla
Project Number:	GP09BPNA.WA60	Date Completed:	12/15/16	Editor:	
Project Location:	1120 West Bay Drive, Olympia, WA			Weather Conditions:	Cloudy, 30-35° F

Depth (feet)	Blows per ft	Recovery (feet)	Sample ID & Time	PID (ppm)	USCS Class.	Description	Completion Details
1		HAND AUGER					Concrete; Bentonite Chips; 2" diameter schedule 40 PVC riser
2							
3	HA			0.2	SP	0 - 3': Fine SAND, poorly sorted, light brown, dry, fairly loose.	
4							
5	HA			0.9	CL	3 - 6.5': Medium plasticity SILT and CLAY, light brown, dense	2" diameter prepacked screen; Sand
6							
7				0.9	Wood	6.5 - 7': Woody debris with little grey clay	
8				0.4	CL	7 - 9': Medium plasticity SILT and CLAY, grey, wet, some wood included	
9				1.2	Wood		
10						9 - 13': Woody debris with grey sand and clay	
11							
12							
13				0.8	Wood		
						End of Boring @ 13 feet bgs	
14						Water first encountered @ 2.35 ft bgs	
15							
16							
17							
18							
19							
20							

Drilling Co.:	Holt Services	Sampling Method:	HA / acetate sleeve
Driller:	Michael Running	Sampling Interval:	2.5' (0 - 6.5'); continuous (6.5 - 13')
Drilling Method:	Hand Auger / Direct Push	Water First encountered:	2.35' bgs
Drill Rig Type:	Geoprobe	Water Level Finish:	NA
Remarks:		Converted to Well:	☑ Yes ☐ No
bgs = below ground surface	HA= Hand Auger	Surface Elev:	NA
NA= Not Applicable/ Not Available		North Coor:	NA
Vac= Vacuum		East Coor:	NA

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