WASHINGTON STATE DEPARTMENT OF ECOLOGY

INTERIM ACTION REPORT
APPLE VALLEY ELEMENTARY SCHOOL
WEST VALLEY SCHOOL DISTRICT
YAKIMA, WASHINGTON

Facility/Site ID 3464749
ISIS Cleanup Site ID 882

March 21, 2014

Prepared by Washington State Department of Ecology
Toxics Cleanup Program
Norman Hepner

TABLE OF CONTENTS

1 INTRODUCTION 1

1.1 PURPOSE OF THIS DOCUMENT 1

1.2 AREA WIDE INTRODUCTION 1

2 SITE DESCRIPTION 2

3 SITE HISTORY 2

4 SITE CONTACT INFORMATION 3

Table 1: Site Contacts 3

5 Interim Action 3

5.1 Plan Development 3

5.2 Plan Approval 3

5.3 Project Construction 4

5.4 Conditions During Construction 4

5.5 Conditions Following Construction 5

6 PROJECT SUMMARY 6

7 APPENDICES 7

7.1 Appendix A: FIGURES
A-1: Vicinity Map
A-2: Pre-remedial Arsenic Concentration Map
A-3: Pre-remedial Lead Concentration Map

7.2 Appendix B: Pre-Interim Action Documentation
B-1: SEPA Determination
B-2: Public Information Process

7.3 Appendix C: Financial Project Construction Information
C-1: Final Acceptance Letter & Retainage Release Invoice Request
C-2: Engineer's Cost Estimate
C-3: Project Bid Tabulation
C-4: Approved Change Orders

7.4 Appendix D: PHOTO LOG
D-1: Apple Valley Elementary School clean soil cap installation with dust control
D-2: Apple Valley Elementary School gravel (parking lot) and soil/turf cap construction.
D-3: Apple Valley Elementary School demolition activities around portable classrooms.
D-4: Apple Valley Elementary School construction activities around portable classrooms.
D-5: Apple Valley Elementary School playground area construction.
D-6: Apple Valley Elementary School playground area construction.
D-7: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.
D-8: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.
D-9: Apple Valley Elementary School playground area; parking lot construction in progress.
D-10: Apple Valley Elementary School stressed turf vegetation.

7.5 Appendix E: DRAFT ENVIRONMENTAL COVENANT

7.6 Appendix F: SUBMITTALS & Other Documentation
F-1: Clean soil analyses
F-2: Engineered Wood Chip Certification
F-3: Solid Waste, Clean Soil, & Sod Summary Statement
F-4: Soil Analytical for Nutrient Analysis during Poor Grass Turf Investigation
F-5: As-Builts

1. INTRODUCTION

1.1 PURPOSE OF THIS DOCUMENT

The purpose of this report is to detail cleanup activities conducted at Apple Valley Elementary School during the summer of 2012. Apple Valley Elementary School is located at 7 N 88th Ave Yakima, WA; Ecology FSID 3464749 and ISIS Cleanup Site ID 882.

1.2 AREA WIDE INTRODUCTION

Area-wide soil contamination is defined as contamination above state cleanup levels that is dispersed over a large geographic area. The soil contamination in this case is a result of central Washington's orchard industry. Much of the region consists of current or former orchard land, where long-term pesticide application has taken its toll. Lead-arsenate, a pesticide commonly used between the years of 1905 and 1947 to control the coddling moth, has been identified as the primary source of increased lead and arsenic concentrations.

Due to their chemical structure, lead and arsenic tend to bond with soil particles and often remain at or near ground surface level for decades, creating an exposure pathway through inhalation and/or ingestion. Although lead and arsenic are naturally occurring elements, elevated concentrations have been shown to have a negative impact on human health. Young children are generally more susceptible than adults, which is why Ecology has focused remediation efforts on schools.

Because of the unique nature of area-wide contamination, traditional methods of remediation are not feasible. Therefore, the Area-Wide Soil Contamination Task Force was established in 2002 to identify and pursue effective statewide strategies. Recommendations from the Task Force included soil testing, qualitative evaluations, and protective measures at child-use areas.

In central Washington, four priority counties were identified. Okanogan, Chelan, Douglas, and Yakima counties were targeted based on the large volume of apple and pear production during the first half of the 20th century. Ecology's Central Regional Office (CRO) began initial sampling and analysis during the spring of 2002 in the Wenatchee area. This area was chosen based on aerial photography from 1927 and 1947 that showed a high number of school properties located on former orchard land.

Results from the Wenatchee area showed several schools with soil contamination exceeding state cleanup standards. Based on these results, soil testing was continued in the four priority counties. Over 100 public schools were tested for lead and arsenic during the summer of 2005. Of the schools sampled, Ecology's CRO identified 35 schools with soil contamination exceeding state cleanup standards. Apple Valley Elementary School was prioritized for Ecology cleanup because the levels of contamination were both above MTCA cleanup standards and very high relative to the other school sites samples. Remedial activities at Apple Valley Elementary were initiated and completed during the summer of 2012.

2. SITE DESCRIPTION

Apple Valley Elementary School is located at 7 N 88th Ave Yakima, WA in Yakima County, Washington. The school is situated in a residential area and located in Section 19, T13N, R18E and is part of the West Valley School District 208. The site is surrounded by predominantly residential dwellings and currently serves as a neighborhood elementary school with approximately 200 students from pre-kindergarten thru 5th grade. See Appendix A, A-1.

3. SITE HISTORY

This site was included in an area-wide lead and arsenic sampling program which involved collecting samples from schools suspected of having a history of past pesticide use. Prior to the mid-1940s, lead arsenate was the most widely used chemical used to control codling moths on fruit trees. Lead (Pb) and arsenic (As) are known to be very stable in soil and tend to stay near the surface. Because of this historical background, it was suspected that the soil in the school playground might be contaminated with lead and arsenic. Ecology obtained permission from the West Valley School District to sample and test the soils from Apple Valley Elementary for lead and arsenic.

The soils throughout the property were sampled by the Department of Ecology in August 2005. Samples were taken from the top six inches using a core sampler. The samples were analyzed for lead and arsenic using X-Ray Fluorescence (XRF) Spectroscopy. The 40 arsenic samples showed an average concentration of 54 milligrams per kilogram (mg/kg) with a 95% upper confidence level of 66 mg/kg. The maximum concentration detected for arsenic was 124.2 mg/kg, more than six times the state cleanup standard of 20 mg/kg. For lead, the 38 samples showed an average concentration of 322 mg/kg, with a maximum concentration of 1082.9 mg/kg with a 95% upper confidence level of 465 mg/kg. The state cleanup standard for lead is 250 mg/kg. Following samping, the Site was scored and ranked under the Washington Ranking Method (WARM). The site was ranked a "3" and placed on Ecology's Hazardous Sites List in 2006.

A "Health Consultation: Evaluation of Soil Contamination," Washington State Department of Health, November 3, 2006 concluded that risks to children are above acceptable standards and recommended permanent remedial measures be taken including the placement of a clean cover system.

The potential exposure pathways for lead and arsenic in soil are inhalation, ingestion, and dermal absorption. For the purpose of this cleanup, ingestion was considered as a significant exposure pathway. Ingestion of contaminated soil is expected to be the primary route of exposure for metals, particularly with young children. Metals in dust or soil can be ingested accidentally by hand-to-mouth activity. Pica behavior in young children, that is, eating of non-food items, will increase this exposure. Ingestion or inhalation of wind-blown soil or dust is additional pathways of exposure to lead and arsenic. Children are considered a sensitive population because they tend to ingest more soil and dust than adults and because they tend to absorb more of the lead they ingest. Metals are not readily absorbed through the skin, so dermal absorption of metals is not a significant concern at the concentrations found at schools in the area-wide cleanup program.

Evidence of groundwater contamination or the threat of groundwater contamination has not been found relative to area-wide lead and arsenic soil contamination. Based on a general understanding of depth of groundwater at the school, combined with the likely distribution of the contamination, the risk of lead and arsenic contamination in groundwater is minimal.

4. SITE CONTACTS

Remedial activities were designed, supervised, and funded by Ecology. Ecology project management was performed by Mark Dunbar until June 26, 2012 and transferred to Norman Hepner. Construction was performed by a licensed general contractor, M Sevigny Construction, Inc. Ecology monitored construction and maintained contact with the West Valley School District staff throughout the project.

The following table contains contact information for the primary individuals with whom Ecology interacted during the remediation process.

Table 1: Site Contacts

Name	Organization	Position	Phone Number
Matt Sevigny	M Sevigny Construction, Inc.	Owner/Manager	(509) 949-3547
Tim Critchlow	West Valley School District	Director of Maintenance and Operations	(509) 952-9103

5. REMEDIAL ACTIVITIES

5.1 INTERIM ACTION PLAN DEVELOPMENT

The interim action plan was developed by Ecology with public works contract document preparation, permit application, engineering, and technical support by Geoengineers, Incorporated under contract to Ecology. A complete contract package is available in Ecology's Apple Valley Elementary School site file. The West Valley School District provided access to the site for Ecology and their contractors to conduct the remediation project.

5.2 INTERIM ACTION PLAN APPROVAL

Ecology developed an interim action plan dated February 1, 2012 and a SEPA determination of Non-Significance dated March 6, 2012 for the Apple Valley Elementary School remediation plan. The public comment period was from March 30 – April 16, 2012 and extended following a public meeting on April 16, 2012 to gather any additional comments. Capping of the existing soil with clean soil was chosen as the interim remedial option for the site and was approved following the public meeting and completion of the comment period. Significant public interest in the project by interested neighbors provided for a better final project by addressing storm

water, dust generation, and other concerns. Appendix B provides the SEPA determination and other information on the Public Information process conducted for the project.

5.3 INTERIM ACTION PROJECT CONSTRUCTION

The project was advertised in April 2012 with four bids received ranging in value from $680K to $1.1M. The contract was awarded to Sevigny Construction for a contract bid price of $680,600. Several change orders were negotiated during the contract period which increased the overall contract price to $916,453.36 (not including WA State Sales Tax). Appendix C contains the engineer's cost estimate, bid tabulation, approved change orders, and final acceptance and retainage release letter.

Capping of existing soil with clean soil was chosen as the interim remedial option for the site. The remedial process was carried out as follows: Contaminated soil was excavated at hardscape edges such as pavement and foundations to allow the soil cap to meet existing grade. Existing grass turf was tilled to a depth of approximately six inches using a tractor-drawn rototiller, and the tilled surface was flattened with a roller in preparation for the cap. A permeable geotextile fabric was rolled out over the existing soil surface with 12 inches of overlap at the seams. Prior to import, the native, clean topsoil source was visited on June 27, 2012 by Ecology staff (Norman Hepner and Jeff Newschwander) and was tested for the presence of lead and arsenic soil contamination. Neither lead nor arsenic was detected above natural background concentrations. A minimum of eight inches of clean, lightly compacted topsoil was then placed on top of the geotextile fabric.

Following topsoil import and grading, grass sod was installed on the remediated area. Play equipment pits were also remediated. The pits were excavated to a depth of 16 inches and a 4-inch layer of pea gravel was applied to the bottom for drainage. The pits were then lined with geotextile fabric and filled to two inches above grade with engineered wood fiber. Excavated soils were either capped onsite or disposed at the Yakima County operated Terrace Heights landfill. See appendix D for a photo log of project activities.

To prevent exposure to contaminated soil a geotextile barrier and an 8-inch cap of clean soil and grass sod were installed over the existing play fields. Playground areas incorporated the geotextile fabric and a minimum of 12" of engineered wood fiber. Bark mulch and rock gravel were used in other landscape areas. A dedicated bus lane was added to the construction contract as a change order and capped contaminated soil under a gravel base course and asphalt. Because all contamination was not removed from the site, a restrictive/environmental covenant will be filed by the District to restrict future development or improvements on the site that could expose contaminated soil. An example environmental covenant is provided in Appendix E.

Several changes were made during project construction including:

1. Addition of bus lane to parking lot area
2. Larger play area and use of asphalt path versus wood timbers as border to contain wood chips

3. Placement of contaminated soils and soil or asphalt cap around portables buildings to increase grade and allow removal of dilapidated wood steps and placement of ADA accessible asphalt walkway
4. Addition of rock/gravel barrier layers on areas of school district property behind fence but bordering residential property.
5. Increase size of infiltration gallery to accommodate bus lane construction
6. Irrigation system installation modification

Appendix F contains information on project submittals required for construction.

5.4 CONDITIONS DURING CONSTRUCTION

Based on past Ecology experience on these types of projects, several conditions were emphasized during this construction contract including access control, dust control, storm water control, soil track-out, and Safety & Health Plan. The site was restricted from public access throughout the construction period using the existing perimeter fence and temporary chain link fence sections. Additionally, the contractor provided site specific dust control, storm water control, and Safety & Health plans for the site. The contactor controlled dust and filed a dust control plan with the Yakima Regional Clean Air Agency. The contractor utilized the new irrigation system and a water truck for dust suppression during construction. An automated wheel wash system was setup onsite to control soil track-out. Supervision of all construction personnel was completed by 40 hour Hazardous Waste Operations trained supervisory personnel.

5.5 CONDITIONS FOLLOWING CONSTRUCTION

Ecology continues to work with the West Valley School District following completion of construction activities in determining the cause of poor turf growth. Ecology accepted the project in September 2012 based on vigorous turf growth with the exception of a limited area that received drill-seeding in December 2012 due to poor growth. By late spring 2013, turf conditions declined significantly across the entire site and WVSD believes that the geotextile fabric is impeding moisture movement resulting in the turf being flooded throughout Spring/Summer 2013 resulting in poor grass growth.

Based on several site visits by Ecology throughout the summer/fall 2013, Ecology determined that moisture had moved below the geotextile fabric, no District fertilization had occurred, and the anaerobic condition in the soil is likely due to flooding likely causing poor grass growth. Working with the District, Ecology is exploring whether over-watering and no fertilization resulted in poor grass growth during 2013. The District aggressively cut back on irrigation water applied, aerated the soil several times and fertilized the soil based on soil sampling conducted by Ecology during late Fall 2013. Ecology and the District will continue to monitor soil and turf conditions during Spring 2014 to determine if additional corrective measures are required.

6. PROJECT SUMMARY

Soil samples collected at Apple Valley Elementary indicated lead and arsenic contamination existed in surface soils at concentrations above MTCA Method A cleanup levels. The course of action taken was to cap contaminated soils with clean soil and grass sod or other cover system (rock, gravel, wood chips, bark, gravel/asphalt). Some contaminated soils were excavated to allow the soil cap to meet existing grade.

An irrigation system was installed to replace the existing system; trenching for the irrigation system, in some cases, was completed following placement of the clean cover system, possible mixing contaminated soil with clean cover soil along trenches. Significant care was taken to remove the irrigation system trench spoils and replace with clean soil during these activities. Trench spoils were used as fill in a low area adjacent to the portables and contained under a geotextile fabric and clean soil cover. A permeable geotextile fabric was placed over top of contaminated soils. Clean topsoil was placed over the geotextile, and sod was applied to restore the site to the original condition.

Play equipment areas were excavated, if necessary, and lined with geotextile fabric, then filled with engineered wood fiber and contained by an asphalt pathway, concrete curb, or wood timbers. A new bus lane was constructed adjacent to the existing parking lot (with the school district repaving the existing parking lot at their expense) and a complete storm drain system, including a large infiltration gallery constructed to effectively handle the road, parking lot, and school storm water drainage needs.

As a result of the Interim Action, lead and arsenic contaminated soil is contained within the site, and a restrictive/environmental covenant will be filed to restrict future improvements or ensure that redevelopment of the site prevents a threat to human health and the environment. Based on poor turf grass growth, Ecology and the District will continue to monitor the soil/turf cap during Spring 2014 to determine if additional corrective measures are required.

7. APPENDICES

7.1 Appendix A: FIGURES

Figure A-1: Vicinity Map

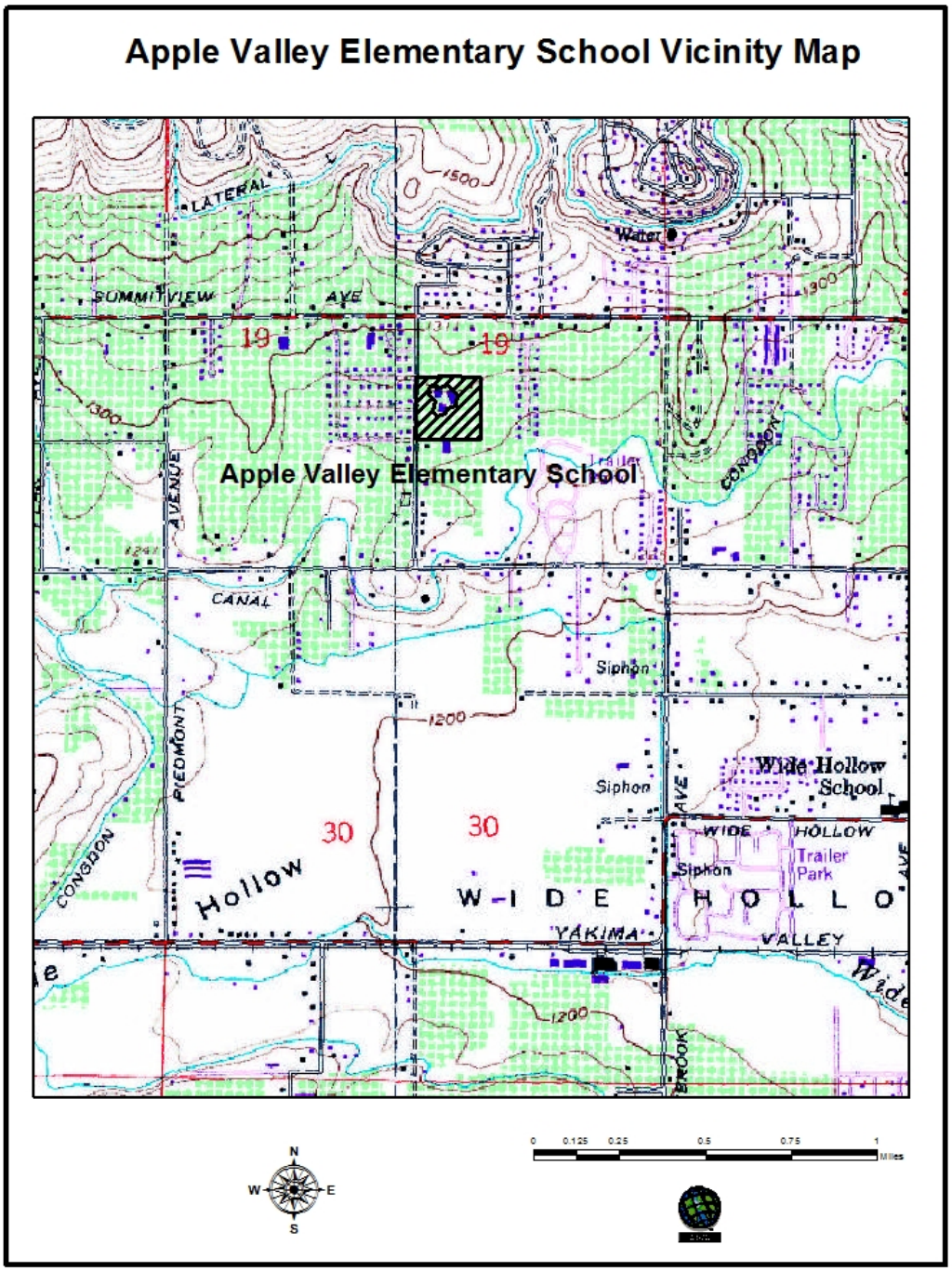


Figure A-2: Pre-Remedial Arsenic Concentration Map

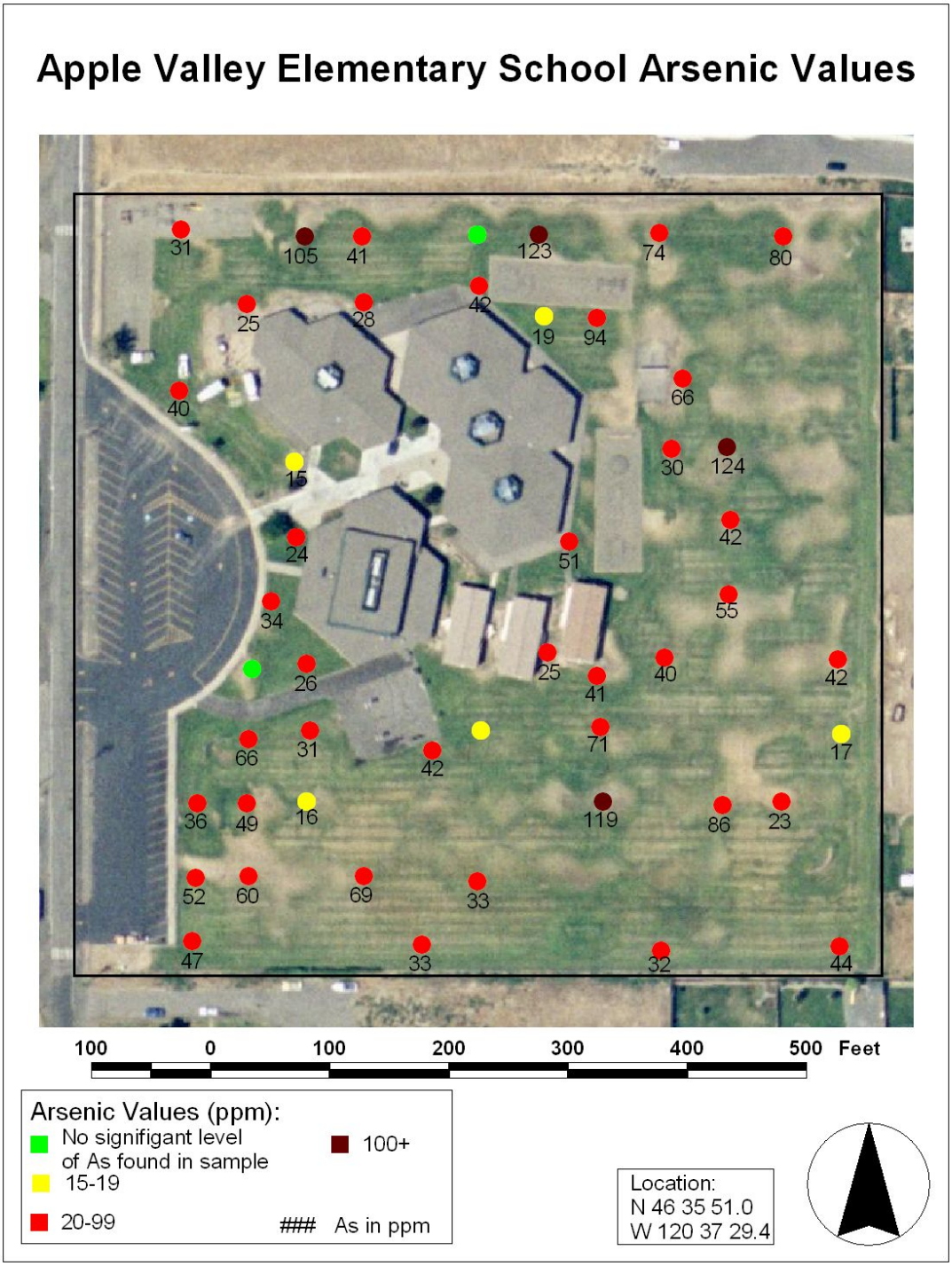
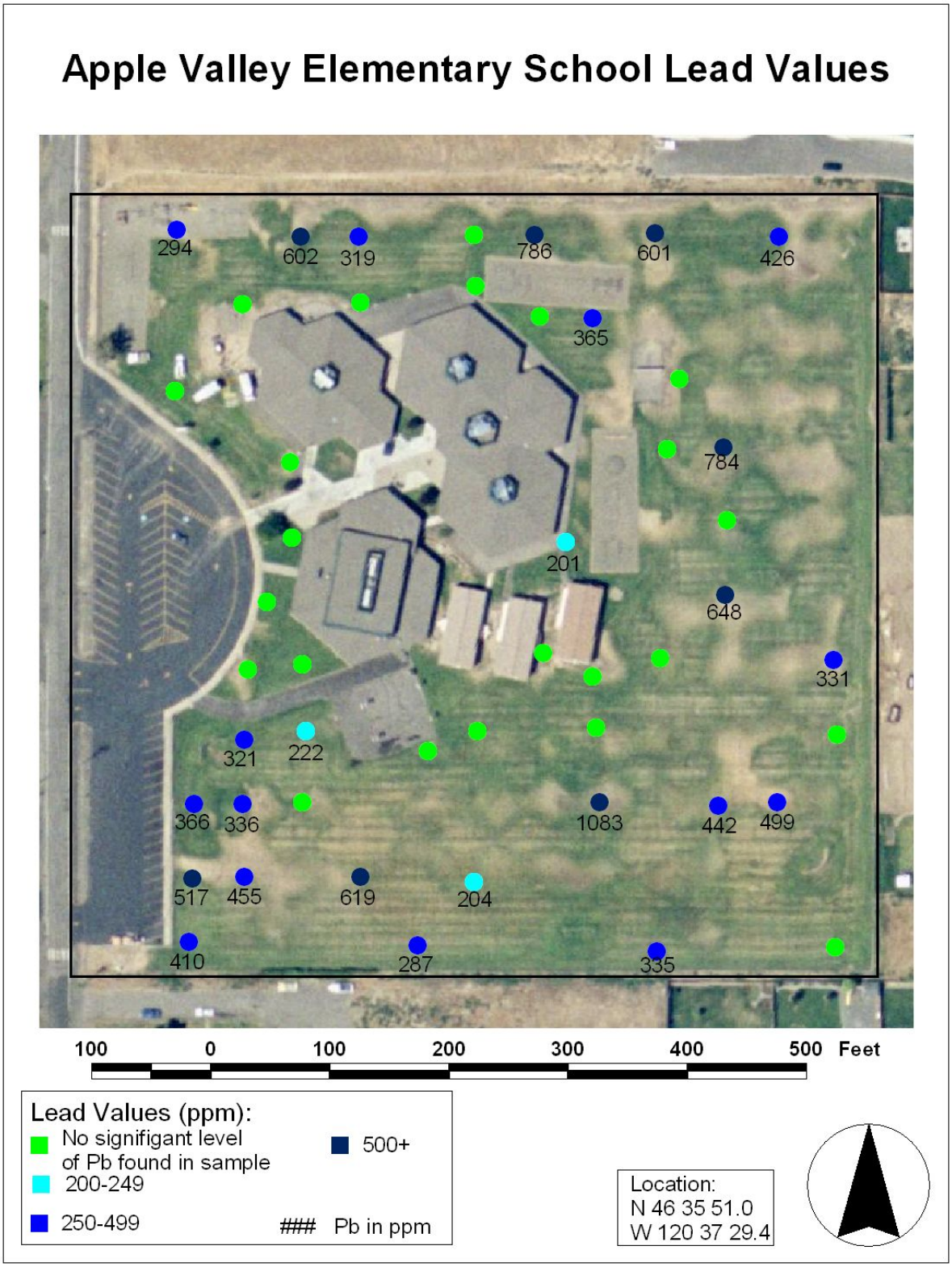


Figure A-3: Pre-Remedial Lead Concentration Map



7.2 Appendix B: Pre-Interim Action Documentation

B-1: SEPA Determination

B-2: Public Information Process

WASHINGTON STATE DEPARTMENT OF ECOLOGY

DETERMINATION OF NONSIGNIFICANCE

Description of Proposal: An Interim Remedial Action is proposed at **Apple Valley Elementary School** within the West Valley School District. The Interim Action will be conducted between June 1 and September 1, 2012.

The interim remedial action will include excavation and removal of lead and arsenic contaminated soil, placement of a permeable geotextile barrier, capping of contaminated soil with clean topsoil or an appropriate landscaping material, and re-establishment of grass turf. A storm water drainage system will be installed and the existing irrigation system will be modified or replaced as necessary. The project will include playgrounds, sports fields, and other areas of the school property utilized by children.

Proponent: Washington State Department of Ecology Toxics Cleanup Program

Location of Proposal: Apple Valley Elementary School
7 N 88th Avenue
Yakima, WA 98908

Lead Agency: Washington State Department of Ecology

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed Environmental Checklist and other information on file with the lead agency. This information is available to the public on request.

This Determination of Nonsignificance is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for thirty (30) days from the date of issuance. Comments must be submitted by April 16, 2012.

Responsible Official: Valerie Bound

Position/Title: Section Manager, Toxics Cleanup Program, Central Regional Office

Date: March 6, 2012 Signature: Valerie Bound

Please send comments to: Gwen Clear
Department of Ecology
15 W. Yakima Avenue, Suite 200
Yakima, WA 98902

DEPARTMENT OF ECOLOGY
State of Washington

Apple Valley Elementary School

Toxics Cleanup Program **March 2012**

Interim Remedial Action Plan and SEPA Determination of Non-Significance Available for Review and Comment

The Washington State Department of Ecology (Ecology) is providing an opportunity for the public to comment on the Interim Remedial Action Plan and the issuance of a Determination of Non-Significance (DNS) for the soil cleanup at the Apple Valley Elementary School located at 7 North 88th Avenue in Yakima, Washington.

Public Comment Invited

Ecology is asking for your comments on the Interim Remedial Action Plan and SEPA documents. You are invited to:

- Review the site documents.
- Send your comments to Ecology for consideration. Comments will be accepted *March 15, 2012 through April 16, 2012.*

See the box at the right for details about where to review documents and submit comments.

Site History

Soil beneath the grass of the playground at the elementary school contains lead and arsenic. The lead and arsenic likely comes from the use of these chemicals as orchard pest sprays in the early and mid 20th century.

Sampling

Sampling and analysis indicate that contamination exceeds state cleanup levels for lead and arsenic. Ecology has considered several alternatives for cleanup.

Cleanup Action

The alternative preferred by Ecology consists primarily of placing clean soil on top of the existing soil and establishing new grass in this clean soil. Some contaminated soil may be excavated and hauled away for disposal at a permitted landfill. Ecology has determined that this alternative will provide the necessary barrier to prevent human exposure to lead and arsenic. The plan includes modification of the existing irrigation system to maintain the turf grass cover and installation of a storm water drainage system to prevent runoff from the parking area.

Comments Accepted

March 15, 2012 through April 16, 2012

Submit Comments and Technical Questions to:

Mark Dunbar - Site Manager
WA Department of Ecology
Toxics Cleanup Program
15 W Yakima Avenue, Ste 200
Yakima, WA 98902-3452
Phone: (509) 454-7836
E-mail: mdun461@ecy.wa.gov

DOCUMENT REVIEW LOCATIONS

West Valley School District
8902 Zier Road
Yakima WA 98908

Yakima Valley Regional Library
102 N 3rd Street
Yakima WA 98901
Phone: (509) 452-8541
Hours:

Monday-Wednesday:	9 am - 9 pm
Thursday-Friday:	9 am - 6 pm
Saturday:	10 am – 6pm
Sunday:	12 pm - 4 pm

WA Department of Ecology
Central Regional Office
15 W Yakima Avenue, Ste 200
Yakima, WA 98902
By appointment only:
Contact Roger Johnson,
rjoh461@ecy.wa.gov or
(509) 454-7658

Ecology's Toxics Cleanup Website

https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=882

Facility/Site ID #: 3464749
Cleanup Site ID #: 882

Determination of Non-Significance

After reviewing the State Environmental Policy Act (SEPA) environmental checklist, Ecology has determined that the cleanup action will not have a probable significant adverse impact on the environment and an Environmental Impact Statement (EIS) is not required.

Why This Cleanup Matters

In 2001, the Washington State Legislature requested that Ecology prepare a statewide strategy to address lead and arsenic soil contamination. The project's main focus was on areas with lead and arsenic contamination that have been developed into residential neighborhoods, schools, daycares, and parks. Long-term exposure to elevated levels of arsenic may cause cancer, whereas long-term exposure to lead may affect and impair the human nervous system and proper brain function. The impacts from lead, in particular, are more pronounced in young children. Due to the increased risk to children, these cleanup actions focus on public schools, with the highest priority placed on elementary schools. Once completed, these actions will drastically reduce the exposure of children to soils containing potentially harmful levels of lead and arsenic.

What Happens Next?

Once the public comment period ends, Ecology will review and consider all comments that have been received. The Interim Remedial Action Plan and SEPA documents may be modified based upon your comments.

As future documents on the site are developed, you will be notified of additional public comment periods.

What can you do?

1. Read about the cleanup in this handout.
2. To get more detailed information, review the supporting documents at the locations listed in this document.
3. Write down your comments and questions. Send them to the Department of Ecology at the address provided in this document.

We appreciate your comments and concerns. *Thank you.*

Help with other languages and formats?

Para asistencia en español: 509-575-2490

To ask about the availability of this document in a version for the visually impaired call the Toxics Cleanup Program at 509-454-7841. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.

Responsiveness Summary
March 15 – April 30, 2012 Public Comment Period
Interim Action Plan and SEPA Determination of Non-Significance at the Apple Valley Elementary School
7 N. 88th Avenue
Yakima, WA

Site Manager: Mark Dunbar

The following comments were received during the March 15th to April 30th public comment period for the Apple Valley Elementary School site. Ecology responded to all questions and concerns in the form of a public meeting which was held on April 16th. No additional comments were received after the public meeting was held. The comments received have been added to the site file and are publicly available.

Comment 1: Yakima Regional Clean Air Agency (YRCAA); see attached letter.
Response: Ecology acknowledged the YRCAA's comment regarding dust control. Valerie Bound, Section Manager for the Toxics Cleanup Program, and Sue Billings, Section Manager for the Air Quality Program, met with the YRCAA to discuss dust control for the project. Stringent requirements for dust control are written into the construction specifications for the project. Requirements included in the specifications to address dust control are:

1) Soil shall be sufficiently damp to prevent dust when excavating or tilling.
2) Soil in stockpiles shall be kept damp at all times.
3) Stockpiles shall be kept covered and fenced from public access at all times when work is not in progress.
4) Soil shall be hauled in damp from the source.
5) A wheel wash shall be provided and used by all trucks exiting the site which have traversed unpaved areas.
6) A truck wash or other acceptable form of decontamination shall be used in accordance with the YRCAA.
7) At least one water truck shall be available on site at all times.
8) A vacuum or catchment type street sweeper shall be available on site at all times.
9) The contractor shall be able to readily employ an approved contingency dust control measure. The contractor shall promptly implement contingency measures as needed.
10) The contractor will file an approved dust control plan with the YRCAA prior to beginning construction.
11) The contractor will meet with Ecology and the YRCAA to discuss the dust control plan prior to beginning construction.

Comment 2: John and Candace Manfredi; see attached letter.

Response: Ecology responded to the Manfredis' letter by holding a public meeting as requested in the letter. The letter includes the signatures of residents living at 38 properties in the immediate vicinity of the school. A total of 44 signatures appear on the petition. Responses to the concerns raised in the letter are as follows:

1) Dust prevention – Dust prevention was addressed as stated in the response to Comment 1, above. In addition to the required dust control measures, the contractor is required to provide a public liaison available to answer the telephone at any time of the day, seven days per week, for the duration of the project.
2) Geotextile – The specified geotextile is rated to be 2 – 3 times more permeable than the native soil at the site, so any leaks in the pipes should show up at the surface quickly in the vicinity of the leak. Leaving gaps in the geotextile would defeat the purpose of the geotextile, which is to provide a visual and physical barrier between the clean soil of the cap and the contaminated soil beneath.
3) Construction traffic – Light construction traffic on public roads will be ongoing during the construction period of the project, but should pose no inconvenience to area residents. Heavy construction traffic will be limited to a relatively short period of time when soil is being hauled to or from the school. During previous projects this heavy truck traffic has typically lasted for less than two weeks during the 7 week construction period. Topsoil compacted by truck and equipment traffic will be ripped or scarified prior to installation of sod. Only properly licensed, bonded, and experienced contractors are hired by Ecology for these projects. Any incidental damage to new or existing underground utilities will be promptly repaired by the contractor.
4) Geotextile clogging – The geotextile specified for this project is the industry standard for drainage projects and is rated to be 2 – 3 times more permeable than the native soil. The project design includes a grading plan to ensure that proper drainage is maintained and runoff is contained on site. The grading plan is tied to survey points, and provides for wide, shallow swales along the south and east borders of the property to protect downslope neighbors from surface runoff. Catchment basins and infiltration galleries are located appropriately to collect and infiltrate runoff. While Ecology cannot write letters to protect individual property owners, Ecology will stand behind its work and will take care of any problems that occur as a result of construction of the cap. Upon completion of the cap, an Environmental Covenant will be attached to the property, and the site will be subject to inspection by Ecology every five years under the Uniform Environmental Covenants Act. The five year inspection cycle is designed to protect the integrity of the cap.

Comment 3: Ray Walker; see attached letter.
Response: The comment from Mr. Walker was presented in the form of an informational narrative describing his personal experience using horse manure to counteract the toxic effects of lead and arsenic in orchard soils. The narrative did not raise any questions or voice any concerns. The letter was added to the site file.

In closing, Ecology sincerely appreciates all comments from the community.

YAKIMA REGIONAL
CLEAN AIR
AGENCY

329 North First Street, Yakima WA 98901
Phone: (509) 834-2050 Fax: (509) 834-2060
Website: http://www.yakimacleanair.org

March 20, 2012

Gwen Clear
Department of Ecology
15 W. Yakima Avenue, Suite 200
Yakima, WA 98902

RE: Apple Valley Elementary School

Dear Ms. Clear:

Thank you for providing the Yakima Regional Clean Air Agency (YRCAA) the opportunity to review and comment on the Interim Remedial Action at Apple Valley Elementary School to be conducted between June 1 and September 1, 2012.

Following review YRCAA has the following comment(s):

1. As arsenic and lead contaminated are present in the soil, a truck washout or other method of control must be implemented and be part of the Dust Control Plan during construction;
2. No soil trail shall be allowed beyond the disturbed soil site;
3. No dust transport shall be allowed beyond the boundary site which may be detrimental to persons or property pursuant to WAC 173-400-040 (6) and (3);
4. Contractors/Owners must contact YRCAA prior to the start of any work; and
5. Contractors doing demolition, excavation, clearing, construction, or landscaping work must file a Dust Control Plan with YRCAA and get approval prior to the start of any work.

Thank you for the opportunity to connect with the county's continued support-in-protecting the air quality in Yakima County.

Best regards,

Hasan M. Tahat, Ph.D.
Engineering and Planning Division Supervisor

Cc: Proponent and File

March 20, 2012

To: Mr. Mark Dunbar
From: John and Candace Manfredi
Subject: Comments, Apple Valley Elementary School, Toxic Cleanup Program, DOE Publication Number 12-09-002

We recently received Publication 12-09-002, and have comments and questions.

December 2, 2011, we wrote the West Valley School District, DOE and the governor objecting to this project. We later spoke with yourself and Valerie Bound. Below are several issues we remain concerned about. Issues you did not answer, or did not answer with any specificity, in previous communication. We hope you will answer all issues this time. Also, please forward a copy of this letter to your Contract Engineer, in Olympia. February 22, 2012, Ms. Bound said we could contact your Contract Engineer to discuss technical issues. But she would not provide an address or phone at that time, and still has not.

1. Dust prevention – We, and neighborhood residents all around Apple Valley School, are concerned about dust from your project. Very strong northwest winds blow across the school grounds most days and nights in June through Sept. Sometimes we get strong south and east winds. Wet dirt can dry in a few hours, and blow. Residents in neighborhoods around Apple Valley School have observed heavy dust blows during construction of homes in our areas, during construction of the Cross Church soccer field, and even during construction of the new West Valley High School which can be seen in the distance from our neighborhood. So we know that dust control is often ignored by owners, construction contractors and government agencies. The neighbors around Apple Valley School don't want to eat school dust this summer. Your Apple Valley School construction contract, statutory enforcement, contractor plans and work must prevent dust from blowing off school property, 24 hours a day, 7 days a week.

May we suggest:

- DOE, School, Clean Air and the contractor host a neighborhood meeting to discuss the project schedule, work activities, dust prevention, and dust health hazards. A face to face meeting will increase understanding and make parties more accountable for dust prevention.
- People often forget or cannot attend meetings. So the meeting notice should include project information for neighborhood property owners not able to attend. Most important, provide phone numbers that will be answered 24/7, and names of the persons that will take immediate action if there is dust. Please, no voice mail systems.

2. Geotextile – Do not place geotextile over buried waterlines, or sprinkler lines. If waterlines are covered, breaks and leaks will spread and saturate large areas under the geotextile before emerging at seams or property boundaries. This could be very muddy, messy and transport toxic soil onto adjacent properties. School maintenance staff, who have worked on buried pipelines, will understand how much harder it would be to quickly notice, locate and fix waterline leaks under continuous geotextile.

May we suggest you provide 2-foot gaps in the geotextile at all buried waterlines. This will allow water from line breaks and leaks to surface at the leak immediately. Noticing a leak and finding and fixing the line will be quicker, cleaner and easier. Toxic soils will not be washed onto adjacent properties.

3. Construction traffic – We estimate your 8" soil cap will require import of 4500 cubic yards of clean fill material, and removal of about 500 cubic yards of toxic soil, to match grade, along existing structures. About 500 dump truck loads in all. Heavy haul traffic routed along the school yard

boundaries will be a nuisance to adjacent properties. Assuming the clay soil profile will be wet to prevent dust, haul traffic will cause deep soil compaction, blocking normal groundwater flow. Soil compaction, where haul routes cross pipelines, may stress and weaken buried pipelines resulting in future breaks.

May we suggest you:

- route haul traffic on the interior areas of the school grounds, staying at least 50' away from boundaries.
- limit haul routes over buried pipelines, and/or use heavy pipe at such locations.
- rip or scarify subsoil at haul routes, after major haul is completed.

4. Geotextile clogging – There is engineering literature that addresses geotextile clogging over time due to fine soil, minerals, roots and biological agents. Being a down slope neighbor, this worries us. If your geotextile clogs, surface runoff to neighboring properties may increase. Have your engineers determined that the geotextile will never clog, and never increase runoff from school grounds onto adjacent residential properties? Will DOE write adjacent down slope property owners a letter stating that this project will not adversely impact our properties, now or in the future?

We are glad to see that your plans include cleanup of the existing pea gravel play areas. These are the only school areas we have ever witnessed kids actually getting dirty / dusty. We appreciate that your project will collect school parking lot runoff. This will reduce future runoff and sediment transport into the Woodwinds West neighborhood.

Thank you for the opportunity to comment on this project. We hope our comments will improve the project, and that the project will "not have a significant adverse impact" on the neighborhood.

Please advise us what action, or no action, you decide for each of our comments.

Sincerely,

John Manfredi + Candace Manfredi

John and Candace Manfredi

Attachment: Neighborhood map and petition, 6 pages, 38 properties. We collected the attached signatures in a couple hours walking neighborhoods around the school. All neighbors that were at home, were concerned about dust. All but one, were glad to sign the petition. Almost every signer had wind and dust stories. Several have family members with respiratory problems. One signer believed toxic dust caused three cases of cancer on her block; two died. The one neighbor who would not sign, said DOE will do what they want, so his signature was irrelevant. Missed homes on 86, 87, 88 Avenues, and Woodwinds Way, were not home.

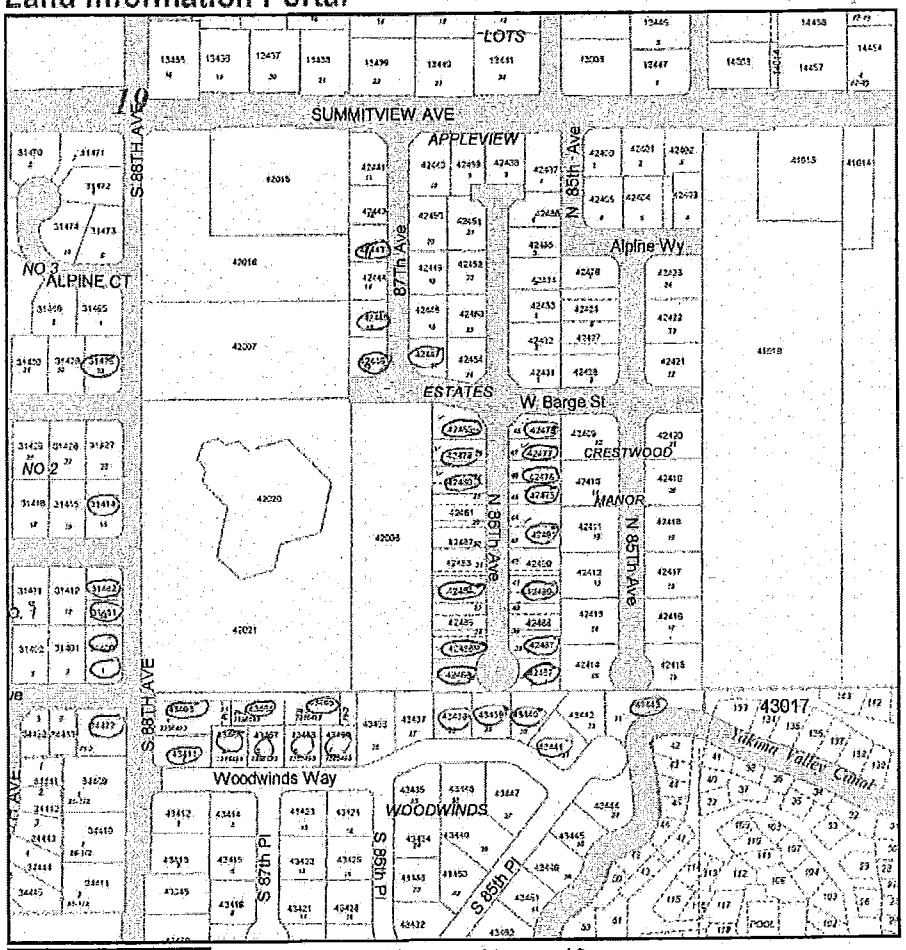
Copy to: Dr. Michael Brophy, West Valley Schools, with attachment
Dr. Hasan Tahat, Yakima Clean Air Authority, with attachment
Christine Gregoire, Governor, w/o attachment

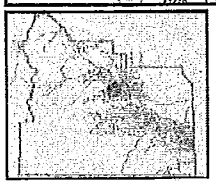
Yakima County GIS - Washington

Land Information Portal

[Print Map] [Close Map]

Yakimap.com





Map Center: Range:18 Township:13 Section:19

City Limits
Sections

WWW.YAKIMAP.COM
Yakima County GIS
128 N 2nd Street
Yakima, WA 98901
(509)574-2992

One Inch = 200 Feet
Feet 200 400

3 signatures

Mr. Mark Dunbar, Site Manager, Department of Ecology, Yakima, WA

Subject: Apple Valley Elementary School, Toxic Soil Cleanup, Publication Number 12-09-002

We live in the neighborhoods near Apple Valley Elementary School and have comments on your Toxic Soil Cleanup work.

- All construction work must be performed in a clean way. There should never be blowing dust from the school yard into our properties and homes. Dirt tracked onto city streets should be cleaned up immediately.
- If we see any problems with the work, there must be a person we can call, 24 hours a day. The person should be able to respond to the problem quickly. Problems like blowing dust, broken sprinkler lines, erosion from thunderstorms, off hour mischief, vandalism, etc.
- Please conduct a neighborhood meeting, at Apple Valley School, before the site work begins. We would like to meet School District, Ecology, Clean Air and City staff responsible for this project. We would also like to meet the contractor's staff. The meeting should address the construction schedule, activities, contact information, questions/answers.

Name/Signature	Date	Address
Candace Manfredi	3/16/12	8615 Woodwinds Way 98908
John Manfredi [signature]	3/16/12	"
Kent Pafunde [signature]	3/16/12	8561 Woodwinds Way
Jerrel Swenning [signature]	3/16/12	8531 Woodwinds Way
Lonna P Cameron	3/16/12	8511 Woodwinds Way
Derrik Waggoner	3/16/12	201 S 85th Pl.
Dave Brown [signature]	3/16/12	8520 Woodwinds Way
Becky Warren	3/17/12	8711 Woodwinds Way
[illegible]	3/17/12	8741 Woodwinds Way
[illegible]	3-17-12	8741 Woodwinds Way
Janell Sousley	3.17.12	109 S. 88th Ave

Mr. Mark Dunbar, Site Manager, Department of Ecology, Yakima, WA

Subject: Apple Valley Elementary School, Toxic Soil Cleanup, Publication Number 12-09-002

We live in the neighborhoods near Apple Valley Elementary School and have comments on your Toxic Soil Cleanup work.

- All construction work must be performed in a clean way. There should never be blowing dust from the school yard into our properties and homes. Dirt tracked onto city streets should be cleaned up immediately.
- If we see any problems with the work, there must be a person we can call, 24 hours a day. The person should be able to respond to the problem quickly. Problems like blowing dust, broken sprinkler lines, erosion from thunderstorms, off hour mischief, vandalism, etc.
- Please conduct a neighborhood meeting, at Apple Valley School, before the site work begins. We would like to meet School District, Ecology, Clean Air and City staff responsible for this project. We would also like to meet the contractor's staff. The meeting should address the construction schedule, activities, contact information, questions/answers.

Name/Signature	Date	Address
Shelly Gilmour	3/17/12	23 N. 86th Ave.
Lori Lemus	3/17/12	2 N. 86th Ave.
	3/17/12	1 N. 86th Ave
Lois Nelson	3/17/12	102 N 87th Ave.
Tom Wonder Sr.	3/17/12	104 N 87th Ave.
Josh Woodrock	3-17-12	108 N. 87th AVE.
Oscar Rodriguez	3-17-12	101 N 87th AVE
John Brayton	3-17-12	8801 West Yakima Ave
	3-17-12	4-B North 88th Ave
	3-17-12	101 S. 88th Ave.
Carol Glass	3-17-12	105 S. 88th Ave

Mr. Mark Dunbar, Site Manager, Department of Ecology, Yakima, WA

Subject: Apple Valley Elementary School, Toxic Soil Cleanup, Publication Number 12-09-002

We live in the neighborhoods near Apple Valley Elementary School and have comments on your Toxic Soil Cleanup work.

- All construction work must be performed in a clean way. There should never be blowing dust from the school yard into our properties and homes. Dirt tracked onto city streets should be cleaned up immediately.
- If we see any problems with the work, there must be a person we can call, 24 hours a day. The person should be able to respond to the problem quickly. Problems like blowing dust, broken sprinkler lines, erosion from thunderstorms, off hour mischief, vandalism, etc.
- Please conduct a neighborhood meeting, at Apple Valley School, before the site work begins. We would like to meet School District, Ecology, Clean Air and City staff responsible for this project. We would also like to meet the contractor's staff. The meeting should address the construction schedule, activities, contact information, questions/answers.

Name/Signature	Date	Address
[signature]	3-17-12	74 N 86th Ave
[signature]	3/17/12	209 N. 86th Ave
[signature]	3/17/12	47 N 86th Ave, Yakima
[signature]	3/17/12	3 N. 86th Ave
[signature]	3/17/12	716 86 Ave
[signature]	3-17-12	17 N 86th Ave.
[signature]	3-17-12	17 N 86th AVE
[signature]	3-17-12	21 N 86th Ave.
[signature]	3/17/12	8521 Woodwinds Way
[signature]	3/17/12	15 N. 86th Ave

Mr. Mark Dunbar, Site Manager, Department of Ecology, Yakima, WA

Subject: Apple Valley Elementary School, Toxic Soil Cleanup, Publication Number 12-09-002

We live in the neighborhoods near Apple Valley Elementary School and have comments on your Toxic Soil Cleanup work.

- All construction work must be performed in a clean way. There should never be blowing dust from the school yard into our properties and homes. Dirt tracked onto city streets should be cleaned up immediately.
- If we see any problems with the work, there must be a person we can call, 24 hours a day. The person should be able to respond to the problem quickly. Problems like blowing dust, broken sprinkler lines, erosion from thunderstorms, off hour mischief, vandalism, etc.
- Please conduct a neighborhood meeting, at Apple Valley School, before the site work begins. We would like to meet School District, Ecology, Clean Air and City staff responsible for this project. We would also like to meet the contractor's staff. The meeting should address the construction schedule, activities, contact information, questions/answers.

Name/Signature	Date	Address
Harold Wagenberg	17 Mar '12	102 N 88th Ave
Rosella E Wagenberg	17 Mar 12	102 N 88th ave.
ROD FARABEE [signature]	17 MAR 12	8530 WOODWINDS WAY
Willard E. Tolson	17 MAR 12	8802 W. CHESTNUT
Greta M. Tolson	17 Mar 12	8802 W. Chestnut
Bruce M. Patnode	17 MAR 12	2 N 88TH AVE #A
Richard L. Lazanos	18 MAR 12	22 N. 86th AVE
[signature]	18 MAR 12	[illegible]

Mr. Mark Dunbar, Site Manager, Department of Ecology, Yakima, WA

Subject: Apple Valley Elementary School, Toxic Soil Cleanup, Publication Number 12-09-002

We live in the neighborhoods near Apple Valley Elementary School and have comments on your Toxic Soil Cleanup work.

- All construction work must be performed in a clean way. There should never be blowing dust from the school yard into our properties and homes. Dirt tracked onto city streets should be cleaned up immediately.
- If we see any problems with the work, there must be a person we can call, 24 hours a day. The person should be able to respond to the problem quickly. Problems like blowing dust, broken sprinkler lines, erosion from thunderstorms, off hour mischief, vandalism, etc.
- Please conduct a neighborhood meeting, at Apple Valley School, before the site work begins. We would like to meet School District, Ecology, Clean Air and City staff responsible for this project. We would also like to meet the contractor's staff. The meeting should address the construction schedule, activities, contact information, questions/answers.

Name/Signature	Date	Address
Patrick [illegible]	3-18-12	19 N 86th Ave.
Calvin L [illegible]	3-18-12	2 N 88TH AVE
Jamie Anderson	3-18-12	8619 Woodwinds Way
Steven Stokke	3-18-12	8711 - WOODWINDS WY.

Ray Walker
101 - N. 79th Ave
YAKima, WN 98908
Ph 969-0817

Hello Roger

I'm writing Concerning lead arsenic in orchard soil. Our orchard was planted in 1920 with Standard apple trees and survived 45 years 1965 many sprays of lead arsenic was applied from 1915 to 1965.

From 1966 to 1990 new trees were placed in the old orchard planting. The first two year 1965 to 1967 didn't grow. So from 1967 to 1970 horse manure was applied to old leaded arsenic soil and disced into soil. The horse manure broke up or done away with the lead arsenic problem.

The new trees in the old orchard started to grow. From 1975 to 1992 our orchard produced bountiful crops till we sold it for house building lots.

Sincerely Your fellow citizen
Ray Walker

7.3 Appendix C: Financial Project Construction Information

C-1: Final Acceptance Letter & Retainage Release Invoice Request

C-2: Engineer's Cost Estimate

C-3: Project Bid Tabulation

C-4: Approved Change Orders

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

August 2, 2013

Matthew Sevigny, President
M Sevigny Construction Inc.
1251 Lucy Lane
Zillah, WA 98953

Re: **Notice of Final Acceptance: Contract No. C1200265 – Soil Excavation, Capping, Irrigation System Modification and Miscellaneous Improvements at Apple Valley Elementary School, Yakima, Washington**

This is to advise you that the above contract with your company has been accepted in accordance with the terms of the contract documents.

According to the provisions of Section 60.28.010, RCW, referencing lien laws of public works contracts, the construction contract acceptance date is August 2, 2013. The final contract amount is $916,453.36 not including Washington State Sales Tax.

Forty-five (45) days from the date of acceptance, your retainage will be released, provided that any liens received have been satisfied and the necessary releases from the Departments of Labor & Industries, Revenue, and Employment Security have been received.

Should you have any questions or concerns regarding this matter, please call me at (360) 407-7210.

Sincerely,

Joe Ward, P.E.
Contracts Officer
Toxics Cleanup Program

cc: Site Manager – Norm Hepner
Contracts
Surety – Travelers Casualty and Surety Company of America

FORM
A19-1A

STATE OF WASHINGTON

(Rev. 1/91)

INVOICE VOUCHER

(new online version 12/01)

Online Help
This document is a protected form for use online. Use the Tab key to advance from text field to text field. Shift-Tab will go to prior text field. Date fields are formatted to return m/d/yyyy format. Calculations will automatically occur as you fill in the number fields, with the total at the bottom. The form can be printed blank and filled in by hand as needed. After completion and appropriate signatures, forward to the Fiscal Office for payment.

AGENCY USE ONLY		
AGENCY NO.	LOCATION CODE	P.R. OR AUTH. NO.
4610	C1200265	

AGENCY NAME

Washington State Department of Ecology
PO Box 47600
Olympia, WA 98504-7600

VENDOR OR CLAIMANT (Warrant is to be payable to)

M SEVIGNY CONSTRUCTION, INC.
1212 N 16th Avenue #1
Yakima, WA 98902

INSTRUCTIONS TO VENDOR OR CLAIMANT: Submit this form to claim payment for materials, merchandise or services. Show complete detail for each item.

Vendor's Certificate. I hereby certify under penalty of perjury that the items and totals listed herein are proper charges for materials, merchandise or services furnished to the State of Washington, and that all goods furnished and/or services rendered have been provided without discrimination because of age, sex, marital status, race, creed, color, national origin, handicap, religion, or Vietnam era or disabled veterans status.

BY ____________ (SIGN IN INK)

Vice President (TITLE) 6/30/13 (DATE)

FEDERAL I.D. NO. OR SOCIAL SECURITY NO. (For Reporting Personal Services Contract Payments to I.R.S.	RECEIVED BY	DATE RECEIVED
26-0653305		

DATE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT	FOR AGENCY USE
1.	Original Contract Amount (Includes SST)	100%			$ 745,606.20	
2.	Change Order No. 1 to 2 inclusive				251,464.76	
3.	Total contract, including change orders				$ 997,070.96	
4.	Total earnings to date (Includes SST)				991,602.54	
	Less Retention (.05 X pre-tax earnings)				49,580.12	
	Subtotal				942,022.42	
5.	Less previous payments				991,602.54	
6.	Amount certified for payment				49,580.12	

PREPARED BY	TELEPHONE NUMBER	DATE	AGENCY APPROVAL	DATE

DOC DATE	PMT DUE DATE	CURRENT DOC. NO.	REF. DOC. NO.	VENDOR NUMBER	VENDOR MESSAGE	USE TAX	UBI NUMBER

REF DOC SUF	TRANS CODE	M O D	FUND	APPN INDEX	PROGRAM INDEX	SUB OBJ	SUB SUB OBJECT	ORG INDEX	ALLOC	BUDGET UNIT	MOS	PROJECT	SUB PROJ	PROJ PHAS	AMOUNT	INVOICE NUMBER

ACCOUNTING APPROVAL FOR PAYMENT	DATE	WARRANT TOTAL	WARRANT NUMBER

DEPARTMENT OF ECOLOGY
State of Washington

MONTHLY PAYMENT ESTIMATE

Project Title: Apple Valley School

Contract No.: C1200265

Date: 3/1/13

Contractor: M Sevigny Construction Inc.

Payment Number: 3

Pay Item No	Nature of Work	Unit	Bid Quanity	Bid Unit Cost	Bid Total	Quantity or % to Date	Earnings to Date
Prep1	Mobilization/Demobilization	LS	N/A	N/A	$ 50,000.00	100%	$ 50,000.00
Prep2	Tilling Sod	SY	31,750	$0.13	$ 4,200.00	100%	$ 4,200.00
Prep3	Remove Obstructions	LS	N/A	N/A	$ 3,000.00	100%	$ 3,000.00
Grade4*^	Excavate and Dispose	tons	3,790	$17.65	$ 66,893.50	100%	$ 66,900.03
Sewer5	Contech CDS 3030GP	LS	N/A	N/A	$ 42,000.00	100%	$ 42,000.00
Sewer6	PVC Storm Sewer 12 in pipe	LF	125	$41.60	$ 5,200.00	100%	$ 5,200.00
Sewer7	Structure Excavation/Haul	CY	150	$36.67	$ 5,500.50	100%	$ 5,500.00
Sewer8	Shoring or extra excavation	SF	500	$1.20	$ 600.00	100%	$ 600.00
Sewer9	Infiltration Gallery	LS	N/A	N/A	$ 13,000.00	100%	$ 13,000.00
Sewer10*	Trench Drain	LF	0	$230.00			
Sewer11	Sampling Port/Manhole	EACH	1	$6,000.00	$ 6,000.00	100%	$ 6,000.00
Sewer12	Abandon/remove septic tank/drainfield	LS	N/A	N/A	$ 5,000.00	100%	$ 5,000.00
Sewer13	PVC Sanitary Sewer 6 in pipe	LF	230	$43.48	$ 10,000.40	100%	$ 10,000.00
Sewer14	Drywell	EACH	1	$4,100.00	$ 4,100.00	100%	$ 4,100.00
Sewer15	Conc. Inlet	EACH	1	$1,500.00	$ 1,500.00	100%	$ 1,500.00
Sewer16	PVC Storm sewer 6 in pipe	LF	143	$24.48	$ 3,500.64	100%	$ 3,500.00
Surface17^	Crushed Top Course	tons	24	$220.00	$ 5,222.80	100%	$ 5,222.80
HMA18^	Commercial Hot Mix Asphalt	tons	0	$275.00			
Plant19*^	Topsoil - Base bid	tons	10,846	$14.26	$ 154,663.96	100%	$ 154,661.53
Plant20*^	Sod installation	SF	266,954	$0.33	$ 88,094.82	100%	$ 88,552.20
Plant21	Marker geotextile	SY	31,100	$0.96	$ 29,856.00	100%	$ 30,000.00
Plant22	Sod establishment	LS	N/A	N/A	$ 4,000.00	100%	$ 4,000.00
Plant23*	Irrigation System	LS	N/A	N/A	$ 62,000.00	100%	$ 62,000.00
Traffic24^	Cement Concrete curb and gutter	LF	0	$90.00			
Other25^	Cement Concrete sidewalk	SY	0	$133.33			
Other26^	Play Area pea gravel	CY	245	$40.00	$ 9,800.00	100%	$ 9,800.00
Other27^	Play Area engineered wood fiber	CY	1,405	$39.08	$ 54,907.40	101%	$ 54,907.40
Other28*^	New Playground Timbers	EACH	180	$65.00	$ 11,700.00	100%	$ 11,700.00
Other29*	Install New Playground Equipment	LS	N/A	N/A	$ 9,000.00	100%	$ 9,000.00
Other30	Adjust Playground Equipment	LS	N/A	N/A	$ 2,500.00	100%	$ 2,500.00
Other31	Reconstruct flower beds	LS	N/A	N/A	$ 5,000.00	100%	$ 5,000.00
Other32	TESC Plan execution	LS	N/A	N/A	$ 3,000.00	100%	$ 3,000.00
Other33	Dust Control Plan execution	LS	N/A	N/A	$ 3,000.00	100%	$ 3,000.00
Other34	SPCC Plan execution	LS	N/A	N/A	$ 1,000.00	100%	$ 1,000.00
Alt35							
Contingency36	Common borrow incl Haul	tons	700	$12.14	$ 8,498.00	0%	
CO1-A	29' Bus Lane Construction	LS	1	$174,000.00	$ 174,000.00	100%	$ 174,000.00
C01-B^	Rock, fabric, irrigation along west of parking lot	CY	190	$85.00	$ 16,150.00	100%	$ 16,150.00
C01-C^	Asphalt path construction	SF	3,975	$4.00	$ 15,900.00	100%	$ 15,900.00
C01-D	Drain structure relocation/infiltration gallery construc	CY	400	$64.25	$ 25,700.00	100%	$ 25,700.00
C01-E	Dilapidated asphalt removal	SY	240	10	$ 2,400.00	100%	$ 2,400.00
C01-F	Gravel barrier layer	CY	100	100	$ 10,000.00	100%	$ 10,000.00
C01-G	12" Concrete Curb	LF	260	28.69	$ 7,459.40	100%	$ 7,459.40

Earnings Total			$ 916,453.36
Less: 5% Retention			$ 49,580.13
Sub Total			$ 991,602.54
Sales Tax .082 x earnings total			$ 75,149.18
Less: Previous Payments			$ 991,602.54
Payment Requested			$ 49,580.13
Retainage Request		$	49,580.13

Contractor: _____ Date: 4/30/13

Ecology Inspector: _____ Date: _____

NOTE: Pay item # with * and C01 prefix include approved Change Order #1, Aug 2, 2012

NOTE: Pay item # with ^ include Change Order #2, Oct 26, 2012

BID RESULTS FOR APPLE VALLEY SCHOOL

May 18, 2012

BID ITEMS	PSE	GLACIER	CHINOOK	SEVIGNY			
TOTAL BASE BID	$ 1,144,733.90	$ 852,708.36	$ 998,818.59	$ 680,600.00			
Prep1	$ 140,000.00	$ 60,311.00	$ 140,445.00	$ 50,000.00			
Prep2	$ 6,985.00	$ 10,795.00	$ 8,415.00	$ 4,200.00			
Prep3	$ 7,000.00	$ 10,146.00	$ 13,483.80	$ 3,000.00			
Grading4	$ 148,563.00	$ 132,702.00	$ 297,880.00	$ 90,000.00			
Sewer5	$ 41,300.00	$ 40,786.00	$ 46,753.95	$ 42,000.00			
Sewer6	$ 9,650.00	$ 5,317.50	$ 4,473.51	$ 5,200.00			
Sewer7	$ 3,990.00	$ 2,218.50	$ 4,125.00	$ 5,500.00			
Sewer8	$ 2,950.00	$ 5,290.00	$ 125.00	$ 600.00			
Sewer9	$ 17,000.00	$ 13,275.00	$ 9,616.20	$ 13,000.00			
Sewer10	$ 4,478.00	$ 4,814.00	$ 4,797.20	$ 11,500.00			
Sewer11	$ 5,500.00	$ 1,936.00	$ 3,998.50	$ 6,000.00			
Sewer12	$ 8,000.00	$ 3,070.00	$ 2,530.00	$ 5,000.00			
Sewer13	$ 16,330.00	$ 9,765.80	$ 7,578.45	$ 10,000.00			
Sewer14	$ 9,200.00	$ 3,273.00	$ 3,674.55	$ 4,100.00			
Sewer15	$ 4,500.00	$ 1,192.00	$ 1,444.85	$ 1,500.00			
Sewer16	$ 4,976.40	$ 4,418.70	$ 5,506.28	$ 3,500.00			
Surfacing17	$ 265.50	$ 369.75	$ 420.00	$ 3,300.00			
HMA18	$ 4,800.00	$ 3,381.20	$ 1,240.00	$ 2,200.00			
Erosion/planting19	$ 301,185.00	$ 201,250.00	$ 212,750.00	$ 164,000.00			
Erosion/planting20	$ 86,028.00	$ 108,588.80	$ 85,500.00	$ 94,000.00			
Erosion/planting21	$ 41,052.00	$ 37,009.00	$ 29,450.30	$ 30,000.00			
Erosion/planting22	$ 7,100.00	$ 1,517.00	$ 3,400.00	$ 4,000.00			
Erosion/planting23	$ 159,000.00	$ 70,709.00	$ 43,000.00	$ 47,000.00			
Traffic24	$ 2,140.00	$ 418.60	$ 250.00	$ 900.00			
Other25	$ 2,160.00	$ 2,433.06	$ 210.00	$ 800.00			
Other26	$ 9,996.00	$ 7,906.15	$ 8,575.00	$ 9,800.00			
Other27	$ 39,585.00	$ 27,570.30	$ 22,620.00	$ 34,000.00			
Other28	$ 13,000.00	$ 8,456.00	$ 6,656.00	$ 13,000.00			
Other29	$ 12,100.00	$ 11,582.00	$ 10,000.00	$ 8,000.00			
Other30	$ 10,800.00	$ 7,212.00	$ 5,000.00	$ 2,500.00			
Other31	$ 10,100.00	$ 2,812.00	$ 3,900.00	$ 5,000.00			
Other32	$ 1,000.00	$ 10,634.00	$ 10,000.00	$ 3,000.00			
Other33	$ 13,000.00	$ 39,000.00	$ 500.00	$ 3,000.00			
Other34	$ 1,000.00	$ 2,549.00	$ 500.00	$ 1,000.00			
ALTERNATE35	$ 296,700.00	$ 276,000.00	$ 212,750.00	$ 269,000.00			
CONTINGENCY36	$ 15,400.00	$ 12,320.00	$ 17,500.00	$ 8,500.00			

CONSTRUCTION COST ESTIMATE

Apple Valley Elementary School Site Remediation, Yakima, Washington
Department of Ecology
April 23, 2012

Item No.	Item Description	Units	Quantity	Unit Price	Amount
BID SCHEDULE A - BASE BID					
	Preparation Items				
1	Mobilization (@ 10% of total cost)	L.S.	1	$69,000.00	$69,000.00
2	Tilling Existing Sod	S.Y.	31750	0.50	$15,875.00
3	Removal of Structure and Obstruction	L.S.	1	5,000.00	$5,000.00
	Grading Items				
4	Soil Excavation and Disposal Incl. Haul	Ton	5100	30.00	$153,000.00
	Sewer Items				
5	Catch Basin Type 1	Each	1	2,000.00	$2,000.00
6	Solid Wall PVC Storm Sewer Pipe 12 In. Diam.	L.F.	125	25.00	$3,125.00
7	Structure Excavation Cl. B Incl. Haul	C.Y.	150	35.00	$5,250.00
8	Shoring or Extra Excavation Class B for Storm Drain	S.F.	500	2.00	$1,000.00
9	Infiltration Gallery	Each	1	8,000.00	$8,000.00
10	Trench Drain	L.F.	50	50.00	$2,500.00
11	Manhole	Each	1	2,500.00	$2,500.00
12	Abandonment/removal of Septic Tank & Drainfield	L.S.	1	2,500.00	$2,500.00
13	PVC Sanitary Sewer Pipe 8 in. Diam	L.F.	230	20.00	$4,600.00
14	Drywell Type 1	Each	1	1,500.00	$1,500.00
15	Conc. Inlet	Each	1	1,000.00	$1,000.00
16	Solid Wall PVC Storm Sewer Pipe 6 In. Diam.	L.F.	143	15.00	$2,145.00
	Surfacing Items				
17	Crushed Surfacing Top Course	Ton	15	40.00	$600.00
	Hot Mix Asphalt Items				
18	Commercial HMA	Ton	8	175.00	$1,400.00
	Erosion Control & Planting Items				
19	Topsoil - Base Bid Topsoil	Ton	11500	17.00	$195,500.00
20	Sod Installation	S.F.	286760	0.35	$100,366.00
21	Marker Geotextile	S.Y.	34100	1.00	$34,100.00
22	Sod Establishment	L.S.	1	10,000.00	$10,000.00
23	Irrigation System	L.S.	1	75,000.00	$75,000.00
	Traffic Items				
24	Cement Concrete Traffic Curb & Gutter	L.F.	10	40.00	$400.00
	Other Items				
25	Cement Conc. Sidewalk	S.Y.	6	80.00	$480.00
26	Play Area Pea Gravel - 4-in.	C.Y.	245	75.00	$18,375.00
27	Play Area Engineered Wood Fiber - 14-in.	C.Y.	870	50.00	$43,500.00
28	New 4" x 6" x 8' Pressure Treated Timbers - Playground	Each	200	45.00	$9,000.00
29	Install New Playground equipment	L.S.	1	5,000.00	$5,000.00
30	Adjust Playground equipment	L.S.	1	2,500.00	$2,500.00
31	Reconstruct Flower Beds	L.S.	1	4,000.00	$4,000.00
32	TESC Plan execution	L.S.	1	5,000.00	$5,000.00
33	Dust Control Plan execution	L.S.	1	15,000.00	$15,000.00
34	SPCC Plan execution	L.S.	1	5,000.00	$5,000.00
	Total Schedule A Base Bid Estimate				**$804,216.00**
SCHEDULE - Alt Bid					
	Erosion Control Alternative Items				
35	Topsoil - Alt Bid - Play Area Topsoil	Ton	11500	22.00	$253,000.00
SCHEDULE - Contingency					
	Sewer Items				
36	Common Borrow Incl. Haul	Ton	700	15.00	$10,500.00

GEOENGINEERS

GeoEngineers, Inc.
8410 154th Avenue Northeast
Redmond, Washington 98052
Phone (425) 861 - 6018

Date: August 3, 2012
Project No.: 018657-002-00
Invoice No.: 0119654
PM: David Lauder

State of Washington
Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

Attention: Ann McNeely

Contract No.: C1100145
Work Assignment No.: C110145Q

Site Remediation
Apple Valley Elementary School
Yakima, Washingtong

Professional Services From: June 23, 2012 to July 27, 2012

Task		Total Hours	Budget	Prior Billings	Current Billing	Total Billings	Budget Remaining
0100	Review Existing Data, Site Visit, Topsoil Sampling and Characterizaiton	33.75	$8,199.98	$7,664.54	$0.00	$7,664.54	$535.44
0200	Engineering and PSE	89.50	$34,469.72	$38,328.95	$0.00	$38,328.95	-$3,859.23
0300	Optional Stormwater System Design	3.00	$7,700.91	$5,925.75	$0.00	$5,925.75	$1,775.16
0400	Optional Irrigation System Design	4.00	$1,287.41	$59.10	$0.00	$59.10	$1,228.31
0500	Optional On-Call Engineering Consultation	9.25	$5,040.88	$0.00	$1,197.05	$1,197.05	$3,843.83
0600	Topographic Survey		$7,025.85	$6,136.00	$0.00	$6,136.00	$889.85
0700	PSE for Abandoning Existing On-Site Septic Ssystem	3.00	$2,373.26	$2,426.79	$0.00	$2,426.79	-$53.53
0800	Additional Site Characterization	45.25	$9,616.39	$9,271.81	$0.00	$9,271.81	$344.58
0900	Attendance of Public Meeting	10.00	$3,537.84	$2,906.30	$0.00	$2,906.30	$631.54
	Budget Summary	175.50	$79,252.24	$72,719.24	$1,197.05	$73,916.29	$5,335.95

TOTAL DUE THIS INVOICE **$1,197.05**

BUDGET SUMMARY:	**175.50**	**$79,252.24**	**$72,719.24**	**$1,197.05**	**$73,916.29**	**$5,335.95**

WASHINGTON STATE DEPARTMENT OF ECOLOGY

PROJECT TITLE: Apple Valley Elementary School

CONTRACT NO. C1200065 **CHANGE ORDER NO. 2**

CONTRACTOR: M Sevigny Construction Inc.

DATE: October 26, 2012

The following change is hereby made to the Contract Documents:

1. **Revise quantities previously approved in contract and Change Order No. 1 to match work as built (Revision A)**
2. **Install more play chips (Revision B)**
3. **Extend end date of contract until December 31, 2012 (Revision C)**

REVISION A
Summary of Bid Items Changes

Bid Item	Contract Price after CO1 with tax	Price After This Change with tax	Increase (Decrease) in Contract Budget	Reason
Grade4 Excavate & Dispose	$ 74,478.47	$ 72,385.83	($ 2092.64)	Ecology-directed quantity
Surfc17 Crushed Top Course	$ 3570.60	$ 5651.07	$ 2080.47	Ecology-directed quantity
HMA-18 Hot Mix Asphalt	$ 2380.40	0	($ 2380.40)	Ecology deleted this work
Plant19 Topsoil	$ 146,578.54	$ 167,343.78	$ 20,765.24	Ecology- directed quantity
Plant20 Sod	$ 100,306..73	$ 95,813.48	($ 4493.25)	Ecology-directed quantity
Traffic24 Concrete Curb	$ 973.80	0	($ 973.80)	Ecology deleted this work
Other25 Sidewalk	$ 865.60	0	($ 865.60)	Ecology deleted this work
Other27 Wood Fibre	$ 57,929.85	$ 58,565.41	$ 635.56	Ecology-directed quantity
Other28Timbers	$ 7033.00	$ 12,659.40	$ 5626.40	Ecology-directed quantity
CO1-B Rock/fabric	$ 9197.00	$ 17,474.30	$ 8277.30	Ecology-directed quantity
CO1-C Asphalt path	$ 32,460.00	$ 17,203.80	($ 15,256.20)	Ecology-directed quantity
Total of other bid items	$ 542,362.67	$ 542,362.67	0	
Total	$ 978,136.66	$ 989,459.74	$ 11,323.08	

REVISION B

Revision B adds installation of 180 cubic yards of play area engineered wood fibre, paid at a rate of $ 39.08 per cubic yard plus tax, per bid item Other27 Wood Fibre. Revision B will constitute an increase of $ 7611.22 to the contract budget.

JUSTIFICATION – The existing amount of wood fibre has been beaten down, compromising its ability to perform its function.

REVISION C

Revision C extends the end date for completion of work under this contract to December 31, 2012.

JUSTIFICATION – All work has been completed under this contract except for the installation of additional wood play chips under Revision B. The end date is extended here to allow the completion of the Revision B work within the contract period.

CONTRACT PRICE:

Current Contract Price: $ 978,136.66.

The Contract Price due to this Change Order will be increased by $ 18,934.30

The new Contract Price due to this change will be $997,070.96

11/1/12

Contractor **Date**
Matthew Sevigny
Vice President
M Sevigny Construction Inc.

STATE OF WASHINGTON

11/21/12

Department of Ecology **Date**
Polly Zehm
Deputy Director

cc: Norm Hepner, Ecology

WASHINGTON STATE DEPARTMENT OF ECOLOGY

PROJECT TITLE: Apple Valley Elementary School

CONTRACT NO. C1200265 CHANGE ORDER NO. 1

CONTRACTOR: M Sevigny Construction Inc.

DATE: July 18, 2012

The following change is hereby made to the Contract Documents:

1. **The total contract price is increased $232,530.46 (Revision A)**
2. **The contract period for completion of the bus lane and infiltration gallery is extended until 1 SEP 2012 (Revision B)**

REVISION A

JUSTIFICATION – During the execution of the contract, elements of the project were improperly designed (infiltration gallery) or not addressed (school district property beyond fenceline), not in accordance with the School District's short term construction plans (bus lane), and/or a better product for an equivalent price was achievable that better addressed the School District's needs (asphalt path). As detailed in the following table, costs for some bid items (sites) need to be increased to accommodate additional work and or decreased where equivalent trade-offs were made to better accommodate School District needs.

Bid Item	UNIT	Quantity	Unit Price	Increase/Decrease in bid item price and Contract budget
Additive: 29' Bus Lane Construction to include 12"soil excavation , compaction, and placement of approximately 150 cy at locations onsite, 8' sidewalks, fence and backstop relocation, 3" asphalt; all asphalt removal; 6" compacted gravel base layer, Irrigation Sleeves, 5 catch basins, additional storm sewer pipe, repair of approximately 5,000 sf of existing asphalt etc. IAW specifications. Justification: Meets School District needs and Ecology cleanup requirements with no changes.	LS	1	174,000	$174,000
Additive: Provide 5/8" minus rock and fabric along west of parking lot to cover area not in existing contract, including irrigation	CY	100	85	$8,500
Additive: Asphalt path construction to include 6' to 8' wide subgrade prep, gravel base, and 2" asphalt, approximately 1500 lf., including removal/disposal of existing pavement (asphalt and concrete) and wood	sf	7500	4.00	$30,000

steps to portables if area is filled. etc IAW specifications Justification: Better Product for School District meeting Ecology cleanups requirement at equivalent price.				
BID ITEM 23: Improvements to irrigation system design and additional dilapidated asphalt area ($20,000) , and credit for decrease in size ($5,000) around play area. Justification: Lack of specificity in contract documents and modification of system layout to address School District needs and Ecology cleanup requirements.	LS	1	15,000	$15,000
Additive: Drain structure relocation and Infiltration rock gallery construction; 3.5'deep (400 cy) fabric wrapped drain rock approximately 6' deep; including approximately 200 cy of soil removal, compaction, and placement at additional locations onsite AND 200 cy of soil removed and disposed offsite IAW new design drawings and specifications. This additive is in addition to the original Infiltration Gallery lump sum line item of $13,000. Justification: Engineering system redesign	cy	400	64.25	$ 24,500
Dilapidated asphalt removal in limited area being converted to soil and sod and haul/reuse of asphalt at approved offsite asphalt recycle facility. Justification: Conversion of this site to soil and sod based cover system to meet School District needs and Ecology cleanup requirements	sy	240	10	$2,400
Export Soil Justification: Less required based on onsite soils compacted and place onsite.	ton	17.65	1200	($21,072)
Import Soil Justification: Less required based on replacement with wood chips around playground area and construction of asphalt path, sidewalks and bus lanes	ton	14.26	2000	($28,520)
Wood Chips Justification: Increase based on playground area layout change. Project cost offset by savings in soil, sod, and irrigation system requirements.	cy	500	39.08	$ 19,540
Sod Justification: Less required based on replacement with wood chips around playground area and construction of asphalt path,	sf	.33	30000	(9,900)

Gravel barrier layer to include fabric and 6" non-compacted 1.25" gravel Justification: Contaminated School District owned property not addressed in original contract.	cy	100	100	$ 10,000
Install Slide Justification: Was not included in original contract documents	LS	1	1,000	$1,000
Timber Placement Justification: Less required based on consolidation of playground areas into single larger area.	EA	100	65	(6,500)
12" Concrete Curb around play area Justification: More durable, environmentally friendly product to be used in lieu of timbers. Includes cost to pay for already purchased, uninstalled timbers.	LF	260	28.69	7,460
Trench Drain Justification: Modification of original stormwater design complicated by waterline location and impact to original contract drawings and specifications. Catch basins and additional pipe to make storm system work is included in bus lane modification.	LF	(50)	230	(11,500)
Sales Tax	%	0.082	214,908	17,622.46

REVISION B

The contract expiration date is hereby extended until SEP 1, 2012.

JUSTIFICATION –

Extension of the contract expiration date for the infiltration gallery construction and bus lane are needed to accommodate redesign and change order approval.

CHANGE TO CONTRACT PRICE:

Current Contract Price: $745,606.20.

The Contract Price due to this Change Order will be increased by $232,530.46

The new Contract Price due to this change will be $978,136.66

Mike Sevigny DATE: 7-23-12
M. Sevigny Construction Inc

Polly Zehm DATE: 8/2/12
Department of Ecology

7.4 Appendix D: PHOTO LOG

D-1: Apple Valley Elementary School clean soil cap installation with dust control

D-2: Apple Valley Elementary School gravel (parking lot) and soil/turf cap construction.

D-3: Apple Valley Elementary School demolition activities around portable classrooms.

D-4: Apple Valley Elementary School construction activities around portable classrooms.

D-5: Apple Valley Elementary School playground area construction.

D-6: Apple Valley Elementary School playground area construction.

D-7: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.

D-8: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.

D-9: Apple Valley Elementary School playground area; parking lot construction in progress.

D-10: Apple Valley Elementary School stressed turf vegetation.

Photo D-1: Apple Valley Elementary School clean soil cap installation with dust control.

Photo D-2: Apple Valley Elementary School gravel (parking lot) and soil/turf cap construction.

Photo D-3: Apple Valley Elementary School demolition activities around portable classrooms.

Photo D-4: Apple Valley Elementary School construction activities around portable classrooms.

Photo D-5: Apple Valley Elementary School playground area construction.

Photo D-6: Apple Valley Elementary School playground area construction.

Photo D-7: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.

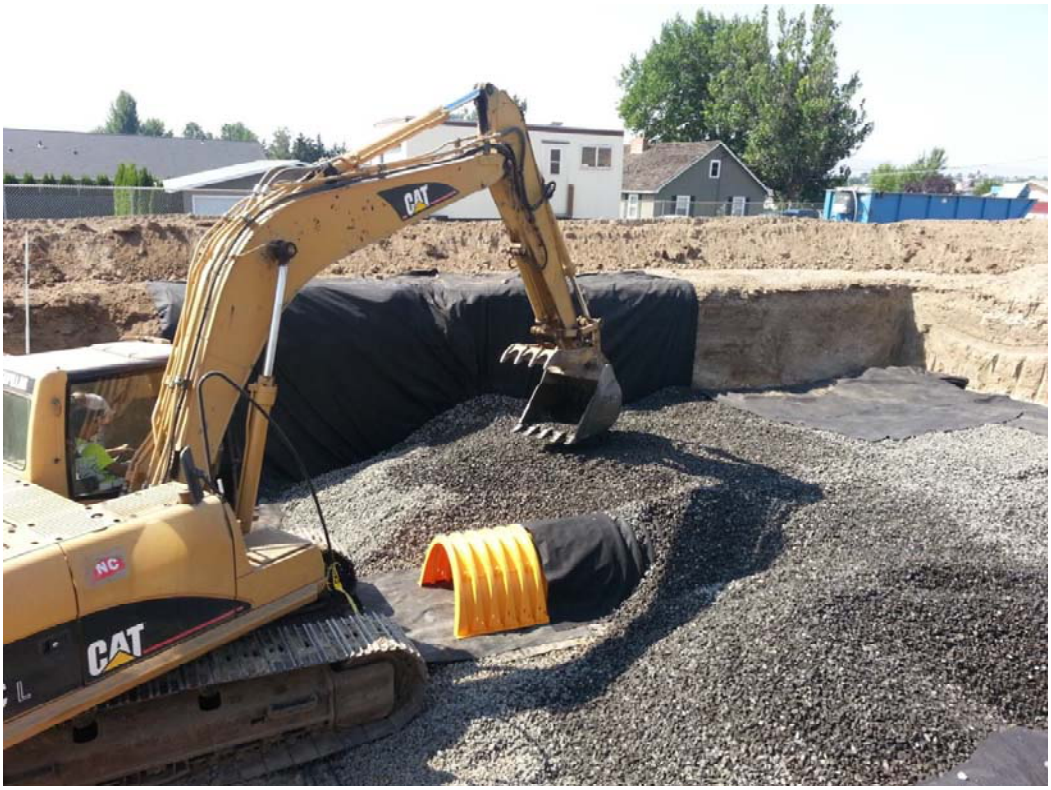


Photo D-8: Apple Valley Elementary School Stormwater Infiltration Gallery under construction.

Photo D-9: Apple Valley Elementary School playground area; parking lot construction in progress.

Photo D-10: Apple Valley Elementary School stressed turf vegetation.

7.5 Appendix E: Draft Environmental Covenant

Environmental Covenant

After Recording Return to:

Valerie Bound
Department of Ecology
Central Regional Office
15 West Yakima Avenue, Suite 200
Yakima, WA 98902

Environmental Covenant

Grantor: West Valley School District 208
Grantee: State of Washington, Department of Ecology
Address: Apple Valley Elementary School 7 N 88th Avenue, Yakima, WA 98902
Legal: Range:**18** Township:**13** Section:**19** **E1/2 E1/2 SW1/4 NW1/4 SE1/4 & W 32.5FT OF SE1/4 NW1/4 SE1/4** and **BEG S 89^42'48 E 30 FT OF NW COR SW1/4NW1/4 SE1/4,TH S 89^42'48 E 463.92 FTTH S 33'12 W 661.21 FT,TH N 89^51'13 W464.1 FT,TH N 34'05 E 661.8 FT TO BEG**
Tax Parcel Nos.: 181319-42021, 181319-42006, and 181319-42020

Grantor, West Valley School District No. 208, hereby binds Grantor, its successors and assigns to the land use restrictions identified herein and grants such other rights under this environmental covenant (hereafter "Covenant") made this___day of _____, 2013 in favor of the State of Washington Department of Ecology (Ecology). Ecology shall have full right of enforcement of the rights conveyed under this Covenant pursuant to the Model Toxics Control Act, RCW 70.105D.030(1)(g), and the Uniform Environmental Covenants Act, 2007 Wash. Laws ch. 104, sec. 12.

This Declaration of Covenant is made pursuant to RCW 70.105D.030(1)(f) and (g) and WAC 173-340-440 by West Valley School District 208, its successors and assigns, and the State of Washington Department of Ecology, its successors and assigns (hereafter "Ecology").

A remedial action (hereafter "Remedial Action") occurred at the property that is the subject of this Covenant. The Remedial Action conducted at the property is described in the

following document[s]: "Interim Action Report, Apple Valley Elementary," Washington State Department of Ecology, March 21, 2014.

This document is on file at Ecology's Central Regional Office.

This Covenant is required because the Remedial Action resulted in residual concentrations of lead and arsenic which exceed the Model Toxics Control Act Method A Cleanup Level(s) for soil established under WAC 173-340-740.

The undersigned, West Valley School District 208, is the fee owner of real property (hereafter "Property") in the County of Yakima, State of Washington, that is subject to this Covenant. The Property is legally described as follows: Range:**18** Township:**13** Section:**19** **E1/2 E1/2 SW1/4 NW1/4 SE1/4 & W 32.5FT OF SE1/4 NW1/4 SE1/4** and **BEG S 89^42'48 E 30 FT OF NW COR SW1/4NW1/4 SE1/4,TH S 89^42'48 E 463.92 FTTH S 33'12 W 661.21 FT,TH N 89^51'13 W464.1 FT,TH N 34'05 E 661.8 FT TO BEG**

West Valley School District 208 makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, as provided by law and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereafter "Owner").

Section 1. Any activity on the Property that may result in the significant release or exposure to the environment of the contaminated soil that was contained as part of the Remedial Action, or create a new exposure pathway, is prohibited. Some examples of activities that are prohibited in the capped areas include: drilling, digging, placement of any objects or use of any equipment which deforms or stresses the surface beyond its load bearing capability, bulldozing or earthwork. This does not include normal maintenance and/or operational activities, including: soil aeration and irrigation system repair.

Section 2. Any activity on the Property that may interfere with the integrity of the Remedial Action and continued protection of human health and the environment is prohibited.

Section 3. Any activity on the Property that may result in the release or exposure to the environment of a hazardous substance that remains on the Property as part of the Remedial Action, or create a new exposure pathway, is prohibited without prior written approval from Ecology.

Section 4. The Owner of the property must give thirty (30) day advance written notice to Ecology of the Owner's intent to convey any interest in the Property. No conveyance of title, easement, lease, or other interest in the Property shall be consummated by the Owner without adequate and complete provision for continued monitoring, operation, and maintenance of the Remedial Action.

Section 5. The Owner must restrict leases to uses and activities consistent with the Covenant and notify all lessees of the restrictions on the use of the Property.

Section 6. The Owner must notify and obtain approval from Ecology prior to any use of the Property that is inconsistent with the terms of this Covenant. Ecology may approve any inconsistent use only after public notice and comment.

Section 7. The Owner shall allow authorized representatives of Ecology the right to enter the Property at reasonable times for the purpose of evaluating the Remedial Action; to take samples, to inspect remedial actions conducted at the property, to determine compliance with this Covenant, and to inspect records that are related to the Remedial Action.

Section 8. The Owner of the Property reserves the right under WAC 173-340-440 to record an instrument that provides that this Covenant shall no longer limit use of the Property or be of any further force or effect. However, such an instrument may be recorded only if Ecology, after public notice and opportunity for comment, concurs.

West Valley School District 208

_____

Superintendent
Dated: _____

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

_____

Valerie Bound
Section Manager, Toxics Cleanup Program
Dated: _____

STATE OF _____
COUNTY OF _____

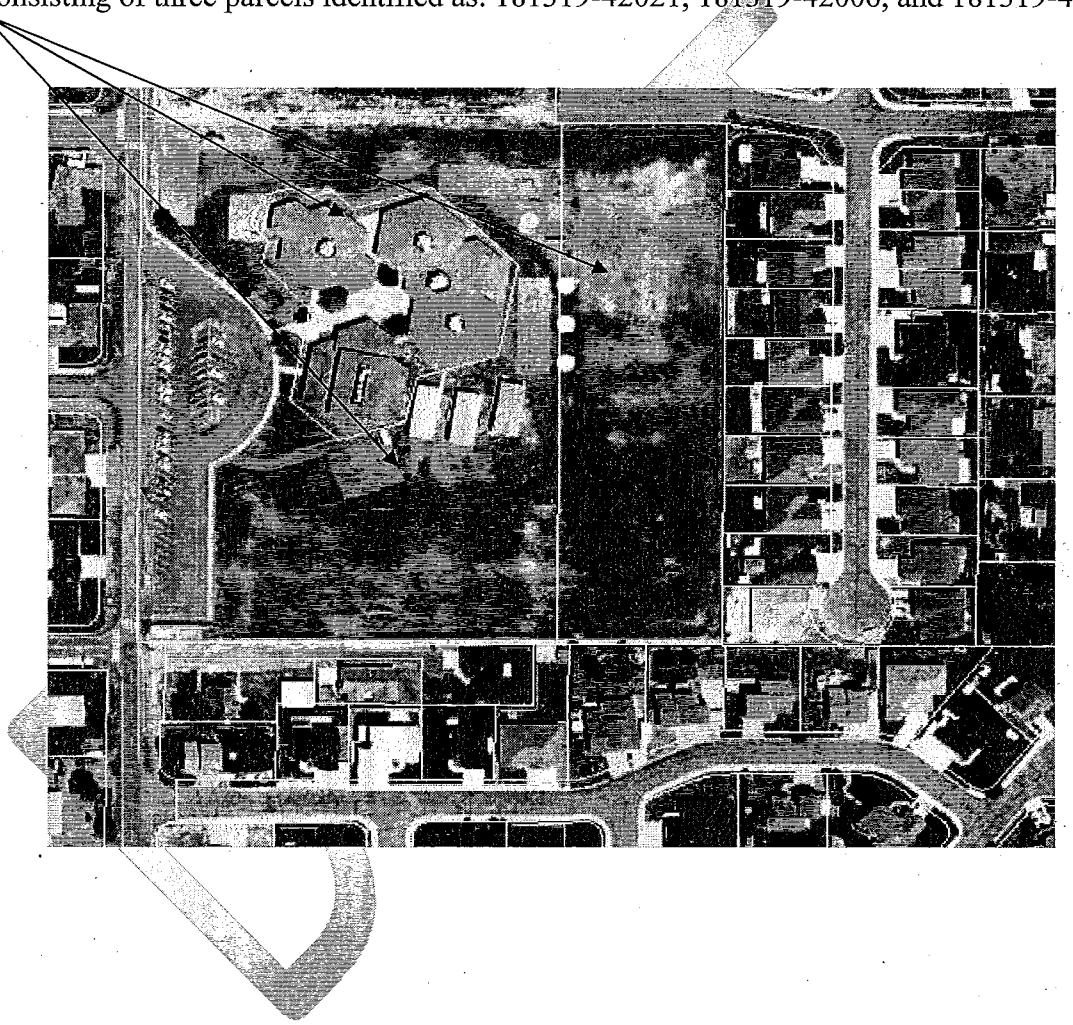
On this _____ day of _____, 20__, I certify that _____ _____ personally appeared before me, acknowledged that **he/she** signed this instrument, on oath stated that **he/she** was authorized to execute this instrument, and acknowledged it as the _____ [type of authority] of _____ [name of party being represented] to be the free and voluntary act and deed of such party for the uses and purposes mentioned in the instrument.

_____
Notary Public in and for the State of Washington, residing at _____.
My appointment expires _____.

Exhibit A
Legal Description

Range:**18** Township:**13** Section:**19** **E1/2 E1/2 SW1/4 NW1/4 SE1/4 & W 32.5FT OF SE1/4 NW1/4 SE1/4** and **BEG S 89^42'48 E 30 FT OF NW COR SW1/4NW1/4 SE1/4,TH S 89^42'48 E 463.92 FTTH S 33'12 W 661.21 FT,TH N 89^51'13 W464.1 FT,TH N 34'05 E 661.8 FT TO BEG**

- Consisting of three parcels identified as: 181319-42021, 181319-42006, and 181319-42020



7.6 Appendix F: SUBMITTALS & Other Documentation

F-1: Clean soil analyses

F-2: Engineered Wood Chip Certification

F-3: Solid Waste, Clean Soil, & Sod Summary Statement

F-4: Soil Analytical for Nutrient Analysis during Poor Grass Turf Investigation

F-5: As-Builts

CASCADE ANALYTICAL, INC.

3519 S. Center Rd.
Wenatchee, WA 98801
(509) 662-1888
Fax: (509) 662-3183
1-800-545-4208

1008 W. Ahtanum Rd.
Union Gap, WA 98903
(509) 452-7707
Fax: (509) 452-7773

RESIDUE ANALYSIS ORDER FORM

Sampled By: _____ date

Relinquished By: _____ date

Received By: _____ date

LAB INFORMATION

Sample Container received by laboratory was sealed YES ☐ NO ☑

New Account #: _____

Batch #: 268911 ~~268710~~ MS 7/11

Received By: [signature]

Date: 7/10/12 Time: 1605

CLIENT NAME/ADDRESS: M Sedgley Coast

EMAIL:

BILLING NAME/ADDRESS:

PHONE:

TURN AROUND TIME

☑ STANDARD ~~10 days~~

☐ EXPEDITE (4 days)

☐ RUSH (3 days)

	SAMPLE DATE	SAMPLE TIME	MATRIX TYPE*	SAMPLE I.D. / COMMENT	LAB NUMBER
1	unknown		S	Apple Valley #1 / Multiresidue Pest Profile	~~12-R013564 MS 7/11~~ 12-R012-C013564
2			S	Appl Valley #2 / multires Pest Profile	12-C013565 MS
3			S	Apple Valley #3 / multires Pest Profile	12-C013566
4					

This form also serves as "Chain of Custody". *See Reverse Side for Analysis Codes *Matrix Type: Water (w), Soil (s), Plant (p), Food (f)

Agreement:

This form and enclosed records are complete and accurate to the best of my knowledge. I understand that the analysis performed on this produce is a statement of residue presence/absence at this point in time for the specific materials indicated herein. This sample taken according to specific instructions or sampled by Cascade personnel, is representative of this block, of 30 acres or less, which was treated uniformly using customary or alternative horticultural practices, unless otherwise qualified.

Customer Signature_____ Date_____

Disclaimer:

Cascade Analytical, Inc., makes no warranty of any kind, expressed or implied, and customer assumes all risk and liability from the use of Cascade's test results. Cascade neither assumes nor authorizes any person to assume for Cascade any other liability in connection with the testing done by Cascade Analytical, Inc., and there are no other oral agreements or warranties collateral to or affecting this agreement. Cascade Analytical Inc.'s liability to customer as a result of customers use of Cascade's test results shall be limited to a sum equal to the fees paid by customer to Cascade Analytical, Inc. for the testing work.

Customer Signature_____ Date_____

CASCADE ANALYTICAL INC

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S013930 Sample Id: Apple Valley #1

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	417.	1.07	5.01	Excess	120-200
Calcium	2480	12.4	57.9	Optimum	600 - 4000
Magnesium	850.	6.99	32.7	Excess	90 - 480
Sodium	212.	0.922	4.32		
Sum of Exchangeable Bases		21.4		Ca/Mg Ratio 2.	
Cation Exchange Capacity		22.4			

Test Requested	Results		Relative Level	Optimum Range
pH	7.4		Excess	6.0-7.0
Lime Req	0.0 Tons/A		Optimum	0
Soluble Salts	0.47 mmho/cm		Optimum	<1.0
Phosphorus	15.3 ppm		Optimum	8-20
Boron	0.12 ppm		Deficient	0.5-1.0
Sulfate - S	15. ppm		Optimum	6-20
Organic Matter	2.3 %		Optimum	0.8-2
Estimated Nitrogen Release		69. lbs		
Nitrate	2.2 ppm	9. lbs	Deficient	5-15

Arsenic Solid	2.830 mg/Kg		SW846 6010
Lead Solid	6.8 mg/Kg		SW846 6010
Zinc	0.5 ppm	Below Optimum	1-10
Iron	15.9 ppm	Optimum	5-30
Copper	1.3 ppm	Optimum	0.2-2
Manganese	13.3 ppm	Above Optimum	2-10
Texture Mechanical	Texture by Hydrometer		

Please keep results in your reference files. Test every other year.

Approved By:

Batch: 269073
Grower: M Sevigny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S013930

Sample Id: Apple Valley #1

% Sand	40.2 %
% Silt	29.7 %
% Clay	30.1 %

Please keep results in your reference files. Test every other year.

Approved By:

[illegible] ANALYTICAL INC

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S01[illegible]01

Sample Id: Apple Valley #[illegible]

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	437.	1.12	4.28	Excess	120-200
Calcium	3150	15.7	60.0	Optimum	600 - 4000
Magnesium	1020	8.39	32.0	Excess	90 - 480
Sodium	222.	0.965	3.69		
Sum of Exchangeable Bases		26.2		Ca/Mg Ratio 2.	
Cation Exchange Capacity		22.0			

Test Requested	Results		Relative Level	Optimum Range
pH	7.6		Excess	6.0-7.0
Lime Req	0.0 Tons/A		Optimum	0
Soluble Salts	0.48 mmho/cm		Optimum	<1.0
Phosphorus	13.7 ppm		Optimum	8-20
Boron	< 0.1 ppm		Deficient	0.5-1.0
Sulfate - S	16. ppm		Above Optimum	6-20
Organic Matter	1.8 %		Optimum	0.8-2
Estimated Nitrogen Release		54. lbs		
Nitrate	3.2 ppm	13. lbs	Below Optimum	5-15
Arsenic Solid	2.850 mg/Kg			SW846 6010
Lead Solid	6.8 mg/Kg			SW846 6010
Zinc	< 0.1 ppm		Deficient	1-10
Iron	15.2 ppm		Optimum	5-30
Copper	1.4 ppm		Optimum	0.2-2
Manganese	5.6 ppm		Optimum	2-10
Texture Mechanical	Texture by Hydrometer			

Please keep results in your reference files. Test every other year.

Approved By:

[illegible] Medium (loamy) [illegible], light (sandy) 2:1 The relative levels and optimum ranges [illegible] Please consult your [illegible] or county extension agent before using [illegible]

[illegible] for soil analysis. Cascade Analytical makes no warranty of any [illegible] Cascade Analytical, Inc.'s liability to the client as a result [illegible] shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for [illegible]

CASCADE ANALYTICAL, INC

Batch: 269079
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S013931

Sample Id: Apple Valley #3

% Sand	34.1 %
% Silt	35.9 %
% Clay	30.0 %

Please keep results in your reference files. Test every other year.

Approved By:

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/19/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-501[illegible] Sample Id: Apple Valley #2

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	430.	1.10	4.88	Excess	120-200
Calcium	2660	13.3	58.7	Optimum	600 - 4000
Magnesium	884.	7.27	32.2	Excess	90 - 480
Sodium	218.	0.949	4.20		
Sum of Exchangeable Bases		22.6		Ca/Mg Ratio 2.	
Cation Exchange Capacity		22.8			

Test Requested	Results		Relative Level	Optimum Range
pH	7.6		Excess	6.0-7.0
Lime Req	0.0 Tons/A		Optimum	0
Soluble Salts	0.48 mmho/cm		Optimum	<1.0
Phosphorus	14.0 ppm		Optimum	8-20
Boron	0.14 ppm		Deficient	0.5-1.0
Sulfate - S	16. ppm		Above Optimum	6-20
Organic Matter	2.0 %		Optimum	0.8-2
Estimated Nitrogen Release		60. lbs		
Nitrate	2.9 ppm	12. lbs	Deficient	5-15

Arsenic Solid	3.440 mg/Kg		SW846 6010
Lead Solid	14.1 mg/Kg		SW846 6010
Zinc	0.5 ppm	Below Optimum	1-10
Iron	15.9 ppm	Optimum	5-30
Copper	1.3 ppm	Optimum	0.2-2
Manganese	7.9 ppm	Optimum	2-10
Texture Mechanical	Texture by Hydrometer		

Please keep results in your reference files. Test every other year.

Approved By:

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Samplor:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/24/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S013932

Sample Id: Apple Valley #2

% Sand	36.6 %
% Silt	33.3 %
% Clay	30.1 %

Please keep results in your reference files. Test every other year.

Approved By:

[illegible] Light (sandy) 2.1 The above levels and optimum ranges [illegible] consult your fieldstaff or county extension agent before using [illegible]

[illegible] soil analysis. Cascade Analytical makes no warranty of any [illegible] results. Cascade Analytical, Inc.'s liability to the client as a result [illegible] to the fees paid by the client to Cascade Analytical, Inc. for [illegible]

CASCADE ANALYTICAL INC
1-800-545-4206

(509) 662-1858
Fax: (509) 662-8183
3019 G.S. Conlee Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 453-7773
1008 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/19/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-S013930 Sample Id: Apple Valley #1

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	417.	1.07	5.01	Excess	120-200
Calcium	2480	12.4	57.9	Optimum	600 - 4000
Magnesium	850.	6.99	32.7	Excess	90 - 480
Sodium	212.	0.922	4.32		
Sum of Exchangeable Bases		21.4			
Cation Exchange Capacity		22.4		Ca/Mg Ratio 2.	

Test Requested	Results	Relative Level	Optimum Range
Arsenic Solid	Not Entered mg/Kg		SW846 6010
Lead Solid	Not Entered mg/Kg		SW846 6010
Texture Mechanical	Not Entered	Not Entered	

Please keep results in your reference files. Test every other year.

Approved By:

(509) 662-1888
Fax: (509) 662-8123
3019 C.S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1008 W. Ahtanum Rd
Union Gap, WA 98903

1-800-545-4206

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/19/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-5013931 Sample Id: Apple Valley #2

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	437.	1.12	4.28	Excess	120-200
Calcium	3150	15.7	60.0	Optimum	600 - 4000
Magnesium	1020	8.39	32.0	Excess	90 - 480
Sodium	222.	0.965	3.69		
Sum of Exchangeable Bases		26.2		Ca/Mg Ratio 2.	
Cation Exchange Capacity		22.0			

Test Requested	Results	Relative Level	Optimum Range
Arsenic Solid	Not Entered mg/Kg		SW846 6010
Lead Solid	Not Entered mg/Kg		SW846 6010
Texture Mechanical	Not Entered	Not Entered	

Please keep results in your reference files. Test every other year.

Approved By:

CASCADE ANALYTICAL INC
1-800-545-4206

(509) 662-1858
Fax: (509) 662-8183
3019 C.S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1906 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 269073
Grower: M Sevinny Construction
Account: 11908
Sampler:
PO Number:

--- SOIL ANALYSIS RESULTS ---

Report Date: 7/19/12
Date Received: 7/13/12
Date Sampled:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Lab Number: 12-5013932 Sample Id: Apple Valley #3

Test Requested	ppm	meq/100g	%TEB	Relative Level	Optimum Range
Potassium	430.	1.10	4.88	Excess	120-200
Calcium	2660	13.3	58.7	Optimum	600 - 4000
Magnesium	884.	7.27	32.2	Excess	90 - 480
Sodium	218.	0.948	4.20		
Sum of Exchangeable Bases		22.6		Ca/Mg Ratio 2.	
Cation Exchange Capacity		22.6			

Test Requested	Results	Relative Level	Optimum Range
Arsenic Solid	Not Entered mg/Kg		SW846 6010
Lead Solid	Not Entered mg/Kg		SW846 6010
Texture Mechanical	Not Entered	Not Entered	

Please keep results in your reference files. Test every other year.

Approved By:

CASCADE ANALYTICAL INC
1-800-545-4206

(509) 662-1888
Fax: (509) 662-8189
3019 G.S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1008 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 260911
Client: M Sevigny Construction
Account: 11900
Sampler:
PO Number:

--- Analytical Services Report ---

Report Date: 7/26/12

M Sevigny Construction
Mathew Sevigny
1201 Lucy Lane
Zillah, WA 98953

Laboratory Number: 12-C013564
Sample Identification: Apple Valley #1

Date Received: 7/11/12
Date Sampled:

Test Requested	Results	Units	RL	Method	Date Analyzed	Flags
Other Analysis	Anaylyzed by PAL				7/25/12	

Approved By:

Cascade Analytical uses procedures established by EPA, AOAC, APHA, ASTM, and FDA/BAM. Cascade Analytical makes no warranty of any kind the client assumes all risk and liability from the use of these results. Cascade Analytical, Inc.'s liability to the client as a result of use of Cascade's test results shall be limited to a sum equal to the fees paid by the client to Cascade Analytical, Inc. for analysis. PLEASE REVIEW YOUR DATA IN A TIMELY MANNER. DATA GAPS OR ERRORS AFTER THREE MONTHS WILL NOT BE OUR RESPONSIBILITY. THOUGH WE DO KEEP ALL ANALYTICAL DATA FOR SEVERAL YEARS, SAMPLES ARE DISPOSED OF AFTER SIX WEEKS.

CASCADE ANALYTICAL, INC.
1-800-545-4206

(509) 662-1888
Fax: (509) 662-8183
3019 G.S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1008 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 268911
Client: M Sevigny Construction
Account: 11000
Sampler:
PO Number:

--- Analytical Services Report ---

Report Date: 7/26/12

M Sevigny Construction
Mathew Sevigny
1251 Lucy Lane
Zillah, WA 98953

Laboratory Number: 12-C01[illegible]
Sample Identification: Apple Valley #3

Date Received: 7/11/12
Date Sampled:

Test Requested	Results	Units	RL	Method	Date Analyzed	Flags
Other Analysis	Analyzed by PAL				7/25/12	

Approved By:

CASCADE ANALYTICAL, INC.
1-800-545-4206

(509) 662-1888
Fax: (509) 662-8180
3019 G.S. Center Road
Wenatchee, WA 98801

(509) 452-7707
Fax: (509) 452-7773
1008 W. Ahtanum Rd.
Union Gap, WA 98903

Batch: 268911
Client: M Sevigny Construction
Account: 11908
Sampler:
PO Number:

--- Analytical Services Report ---

Report Date: 7/25/12

M Sevigny Construction
Mathew Sevigny
1251 Lucy Lane
Zillah, WA 98953

Laboratory Number: 12-C01350
Sample Identification: Apple Valley #3

Date Received: 7/11/12
Date Sampled:

Test Requested	Results	Units	RL	Method	Date Analyzed	Flags
Other Analysis	Analyzed by PAL				7/25/12	

Approved By:

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5651 • Ph 503.626.7943 • Fx 503.641.0664

Cascade Analytical, Inc.
1008 W. Ahtanum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Analytical Report

Client Sample ID: Apple Valley #1
Matrix: soil

PAL Sample ID: P120723-01
Sample Date: 7/11/12

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: Multiresidue Profile					
7/16/12	7/25/12	Trifluralin	0.016 mg/kg	0.0067 mg/kg	
7/16/12	7/25/12	Other Pesticides	Not Detected	See Analyte List	

Surrogate Recovery: 111 %
Surrogate Recovery Range: 31-168
(DCBP used as Surrogate)

Client Sample ID: Apple Valley #2
Matrix: soil

PAL Sample ID: P120723-02
Sample Date: 7/11/12

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: Multiresidue Profile					
7/16/12	7/25/12	MR Pesticides	Not Detected	See Analyte List	

Surrogate Recovery: 98 %
Surrogate Recovery Range: 31-168
(DCBP used as Surrogate)

Client Sample ID: Apple Valley #3
Matrix: soil

PAL Sample ID: P120723-03
Sample Date: 7/11/12

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: Multiresidue Profile					
7/16/12	7/25/12	MR Pesticides	Not Detected	See Analyte List	

Surrogate Recovery: 104 %
Surrogate Recovery Range: 31-168
(DCBP used as Surrogate)

Steve Thun For Rick Jordan, Laboratory Manager

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5627 • Ph 503.626.3943 • Fx 503.641.0644

Cascade Analytical, Inc.
1008 W. Ahtanum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Quality Assurance

Method Blank Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
Method: Multiresidue Profile						
7/16/12	7/25/12	2071606-BLK1	MR Pesticides	Not Detected	<LoQ	

Matrix Spike Data Matrix: soil

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
7/16/12	7/18/12	2071606-MS1	Atrazine	79	56-117	
7/16/12	7/18/12	2071606-MSD1	Atrazine	77	56-117	
7/16/12	7/23/12	2071606-MS1	Benfluracarb	81	14-117	
7/16/12	7/23/12	2071606-MSD1	Benfuracarb	81	14-117	
7/16/12	7/18/12	2071606-MS1	Diazinon	125	43-174	
7/16/12	7/18/12	2071606-MSD1	Diazinon	117	43-174	
7/16/12	7/25/12	2071606-MS1	Dithiopyr	88	23-157	
7/16/12	7/25/12	2071606-MSD1	Dithiopyr	87	23-157	
7/16/12	7/18/12	2071606-MS1	Ethofumesate	86	56-115	
7/16/12	7/18/12	2071606-MSD1	Ethofumesate	87	56-115	
7/16/12	7/18/12	2071606-MS1	Ethoprop	115	48-148	
7/16/12	7/18/12	2071606-MSD1	Ethoprop	109	48-148	
7/16/12	7/23/12	2071606-MS1	Monuron	70	39-111	
7/16/12	7/23/12	2071606-MSD1	Monuron	61	39-111	
7/16/12	7/25/12	2071606-MS1	Pendimethalin	79	0-152	
7/16/12	7/25/12	2071606-MSD1	Pendimethalin	76	0-152	

Steve Thun For Rick Jordan, Laboratory Manager

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5627 • Ph 503.626.7943 • Fx 503.641.0644

Cascade Analytical, Inc.
1008 W. Ahtanum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Project Information

Methodology Employed

Modified EPA 8081B (GC-ECD)
Modified EPA 8141B (GC-FPD)
Modified EPA 8270D (GC-MS SIM)
Modified EPA 8321B (HPLC-MS)

Analyte Information

Method: Modified EPA 8321B (HPLC-MS)
DCPMU is the primary breakdown product of Diuron.

Steve Thun For Rick Jordan, Laboratory Manager

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5627 • Ph 503.626.7943 • Fx 503.641.0644

Cascade Analytical, Inc.
1008 W. Ahtanum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Multiresidue Analyte List

Organophosphorous and Organosulfur Pesticides

Analyte	Reporting Limit
Aspon	0.017 mg/kg
Carbofenothion	0.017 mg/kg
Chlorpyrifos-methyl	0.017 mg/kg
Demeton	0.017 mg/kg
Diethylfenthion	0.017 mg/kg
Dicrotophos	0.017 mg/kg
Disulfoton	0.017 mg/kg
Ethion	0.017 mg/kg
Famphur	0.017 mg/kg
Fenitrothion	0.017 mg/kg
Fenthion	0.017 mg/kg
Merphos	0.017 mg/kg
Mevinphos	0.017 mg/kg
Parathion	0.017 mg/kg
Phorate	0.017 mg/kg
Phosphamidon	0.017 mg/kg
Ronnel	0.017 mg/kg
Terbufos	0.017 mg/kg
Tokuthion	0.017 mg/kg
Chlorpyrifos	0.0067 mg/kg

Analyte	Reporting Limit
Azinphos-methyl	0.017 mg/kg
Chlorfenvinphos	0.017 mg/kg
Coumaphos	0.017 mg/kg
Diazinon	0.017 mg/kg
Dichlorvos	0.017 mg/kg
Dimethoate	0.017 mg/kg
EPN	0.017 mg/kg
Ethoprop	0.017 mg/kg
Fenamiphos	0.017 mg/kg
Fensulfothion	0.017 mg/kg
Malathion	0.017 mg/kg
Methidathion	0.017 mg/kg
Monocrotophos	0.017 mg/kg
Parathion methyl	0.017 mg/kg
Phosmet	0.017 mg/kg
Pirimiphos-methyl	0.017 mg/kg
Sulprofos	0.017 mg/kg
Tetrachlorvinphos	0.017 mg/kg
Trichloronate	0.017 mg/kg
Propargite	0.033 mg/kg

Steve Thun For Rick Jordan, Laboratory Manager

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5681 • Ph 503.626.7940 • Fx 503.641.0649

Cascade Analytical, Inc.
1008 W. Ahtanum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Halogenated Pesticides

Analyte	Reporting Limit	Analyte	Reporting Limit
Acetochlor	0.017 mg/kg	Alachlor	0.017 mg/kg
Aldrin	0.0067 mg/kg	Benfluralin	0.0067 mg/kg
Bifenthrin	0.0067 mg/kg	a-BHC	0.0067 mg/kg
b-BHC	0.0067 mg/kg	d-BHC	0.0067 mg/kg
g-BHC	0.0067 mg/kg	Captafol	0.0067 mg/kg
Captan	0.017 mg/kg	Chlordane	0.033 mg/kg
Chlorobenzilate	0.017 mg/kg	Chloroneb	0.017 mg/kg
Chlorothalonil	0.0067 mg/kg	Cyfluthrin	0.033 mg/kg
Cyhalothrin	0.033 mg/kg	Cypermethrin	0.033 mg/kg
p,p'-DDD	0.0067 mg/kg	p,p'-DDE	0.0067 mg/kg
p,p'-DDT	0.0067 mg/kg	Dacthal	0.0067 mg/kg
Deltamethrin	0.033 mg/kg	Dichlobenil	0.0067 mg/kg
Dicloran	0.0067 mg/kg	Dicofol	0.017 mg/kg
Dieldrin	0.0067 mg/kg	Dithiopyr	0.0067 mg/kg
Endosulfan I	0.0067 mg/kg	Endosulfan II	0.0067 mg/kg
Endosulfan sulfate	0.0067 mg/kg	Endrin	0.0067 mg/kg
Endrin aldehyde	0.0067 mg/kg	Endrin ketone	0.0067 mg/kg
Esfenvalerate	0.0067 mg/kg	Ethalfluralin	0.0067 mg/kg
Etridiazole	0.0067 mg/kg	Fenarimol	0.0067 mg/kg
Fenvalerate	0.0067 mg/kg	Flutolanil	0.067 mg/kg
Folpet	0.017 mg/kg	Heptachlor	0.0067 mg/kg
Heptachlor epoxide	0.0067 mg/kg	Hexachlorobenzene	0.0067 mg/kg
Iprodione	0.0067 mg/kg	Methoxychlor	0.0067 mg/kg
Metolachlor	0.017 mg/kg	Mirex	0.0067 mg/kg
Norflurazon	0.0067 mg/kg	Oxyfluorfen	0.0067 mg/kg
Oxadiazon	0.0067 mg/kg	Permethrin	0.033 mg/kg
PCNB	0.0067 mg/kg	Pronamide	0.0067 mg/kg
Prodiamine	0.0067 mg/kg	Propanil	0.0067 mg/kg
Propachlor	0.017 mg/kg	Terbacil	0.0067 mg/kg
Propiconazole	0.017 mg/kg	Trifluralin	0.0067 mg/kg
Trifloxystrobin	0.0067 mg/kg	Vinclozolin	0.0067 mg/kg
Triflumizin	0.0067 mg/kg		

Steve Thun For Rick Jordan, Laboratory Manager

Pacific Agricultural Laboratory

12505 N.W. Cornell Rd. • Portland, OR 97229-5601 • Ph 503.626.7943 • Fx 503.641.0644

Cascade Analytical, Inc.
1008 W. Aluminum Road
Union Gap, WA 98903

Report Number: P120723
Report Date: July 26, 2012
Client Project ID: 268911

Organonitrogen Pesticides

Analyte	Reporting Limit	Analyte	Reporting Limit
Ametryn	0.017 mg/kg	Amitraz	0.033 mg/kg
Atrazine	0.017 mg/kg	Azoxystrobin	0.017 mg/kg
Benzoltide	0.017 mg/kg	Boscalid	0.017 mg/kg
Bromacil	0.017 mg/kg	Bromopropylate	0.033 mg/kg
Carfentrazone-ethyl	0.017 mg/kg	Clothianidin	0.017 mg/kg
Cyanazine	0.033 mg/kg	Diclofop-methyl	0.033 mg/kg
Dimethenamid	0.017 mg/kg	Diphenylamine	0.017 mg/kg
Ethofumesate	0.017 mg/kg	Fenbuconazole	0.033 mg/kg
Fenoxaprop-ethyl	0.033 mg/kg	Fipronil	0.033 mg/kg
Fluazifop-p-butyl	0.033 mg/kg	Fludioxonil	0.033 mg/kg
Flumioxazin	0.017 mg/kg	Fluometuron	0.017 mg/kg
Fluroxypyr-meptyl	0.017 mg/kg	Hexazinone	0.017 mg/kg
Imidacloprid	0.017 mg/kg	Isoxaben	0.017 mg/kg
Mefenoxam	0.017 mg/kg	Metalaxyl	0.017 mg/kg
Metribuzin	0.033 mg/kg	Myclobutanil	0.033 mg/kg
Napropamide	0.033 mg/kg	Pendimethalin	0.0067 mg/kg
Pirimicarb	0.017 mg/kg	Prometon	0.033 mg/kg
Prometryn	0.017 mg/kg	Propazine	0.017 mg/kg
Pyraclostrobin	0.017 mg/kg	Pyridaben	0.033 mg/kg
Pyrimethanil	0.017 mg/kg	Sethoxydim	0.17 mg/kg
Simazine	0.033 mg/kg	Simetryn	0.017 mg/kg
Sulfentrazone	0.017 mg/kg	Tebuconazole	0.033 mg/kg
Terbuthiuron	0.033 mg/kg	Thiabendazole	0.017 mg/kg
Triadimefon	0.033 mg/kg		

Phenylurea Pesticides

Analyte	Reporting Limit	Analyte	Reporting Limit
DCPMU	0.017 mg/kg	Diuron	0.017 mg/kg
Fenuron	0.017 mg/kg	Linuron	0.017 mg/kg
Monuron	0.017 mg/kg	Neburon	0.017 mg/kg
Siduron	0.017 mg/kg		

Carbamate Pesticides

Analyte	Reporting Limit	Analyte	Reporting Limit
3-Hydroxycarbofuran	0.017 mg/kg	Aldicarb	0.017 mg/kg
Aldicarb Sulfone	0.017 mg/kg	Aldicarb sulfoxide	0.017 mg/kg
Bendiocarb	0.017 mg/kg	Carbaryl	0.017 mg/kg
Carbofuran	0.017 mg/kg	Fenobucarb	0.017 mg/kg
Methiocarb	0.017 mg/kg	Methomyl	0.017 mg/kg
Oxamyl	0.017 mg/kg	Propoxur	0.017 mg/kg
Thiobencarb	0.017 mg/kg		

Steve Thun For Rick Jordan, Laboratory Manager

NORTHWEST LABORATORIES *of Seattle, Incorporated*

ESTABLISHED 1896

Technical Services for: Industry, commerce, Legal Profession & Insurance Industry

241 South Holden Street • Seattle, WA 98108-4359 • Phone: (206) 763-6252 • Fax: (206) 763-3949 www. nwlabs1896.com

Report To: Morton & Sons
Attention: Mike Morton

Date: July 15, 2010

Report On: Engineered Wood Fiber

Lab No. E84162

SUBMITTED: One (1) Sample of Engineered Wood Fibers

ANALYSIS: Per ASTM F2075

Sieve Analysis:

Sieve Analysis	% Passing	Specified % Passing
3/4 inch	99	99 - 100
3/8 inch	74*	85 -100
No. 16	3	0 - 15

***Exceeds Specified Limits**

Hazardous Metals:

Element (ppm, mg/kg)	Result (Corrected)	Specified Maximum
Antimony, Sb	<1	60
Arsenic, As	<1	25
Barium, Ba	<1	1,000
Cadmium, Cd	<0.1	75
Chromium, cr	<1	60
Lead, Pb	0.91	90
Mercury, Hg	<0.0004	60
Selenium, Se	<1	500

This report applies only to the actual samples tested. Northwest Laboratories does not certify, warrant, or guarantee any products manufactured by others. Samples will be discarded within **thirty (30) days** unless otherwise requested in writing by you.

NORTHWEST LABORATORIES, INC.

Omar Simon, Chemist

nbe

www.nwlabs1896.com
osimon@nwlabs1896.com

NORTHWEST LABORATORIES *of Seattle, Incorporated*

ESTABLISHED 1896

Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry

241 South Holden Street • Seattle, WA 98108-4359 • Phone: (206) 763-6252 • Fax: (206) 763-3949 www. nwlabs1896.com

Report To: Morton & Sons, Inc. Date: June 24, 2010

Report On: Shock Attenuation of Playground Pads Lab No.: E84162

TEST STANDARD: ASTM F1292-04

TITLE: Impact Attenuation of Surface Systems Under and Around Playground Equipment.

PRODUCT NAME: Wood Chips From Morton & Sons

PRODUCT DESCRIPTION: Wood Chips Made From Fresh Pine Logs

PRODUCT DEPTH: 12 Inches

TEST RESULTS:

Temperature	Drop Height (Feet)	Drop	Gmax	HIC
70°	11	1	78	467
	11	2	90	500
	11	3	95	523
		Avg. (Drop 2 & 3)	92.5	511.5
25°	11	1	102	587
	11	2	119	722
	11	3	124	759
		Avg. (Drop 2 & 3)	121.5	740.5
120°	11	1	71	390
	11	2	85	460
	11	3	90	507
		Avg. (Drop 2 & 3)	87.5	483.5
70°	12	1	76	468
	12	2	91	504
	12	3	98	564
		Avg. (Drop 2 & 3)	94.5	534
25°	12	1	133	928
	12	2	138	954
	12	3	141	994
		Avg. (Drop 2 & 3)	139.5	974

Turn Guide: A rigid metal arm is rigidly affixed to the chair. The other end of the arm is Affixed with a pivot point to the center of the circle described in Fig. 2 of the Standard. This guide ensures that the wheelchair always maintains the proper radius as it is propelled through the 90° turn.

Distance-Time Measurements:

The total distance/90° arc that the wheelchair will travel to a kill switch is measured to 1/16". Propulsion time and the speed of the motor are adjusted until the acceptance criteria are all met by the time the wheelchair trips the kill switch.

Test Results:

	Product Values			**Inclined Values**		
Sample #1	Average Ft. x Lbs./Ft.	Standard Deviation	Avg. Time (sec.)	Average Ft. x Lbs./Ft.	Standard Deviation	Avg. Time (sec.)
Straight	1.97	0.10	7.47	2.02	0.10	7.47
90° Turn	1.99	0.10	7.65	2.14	0.16	7.71

These product **MEETS** ASTM F1951.

NORTHWEST LABORATORIES, INC.

Richard J. Schefsky
Engineer

nbe

Temperature	Drop Height (Feet)	Drop	Gmax	HIC
120°	12	1	73	449
	12	2	85	434
	12	3	92	498
		Avg. (Drop 2 & 3)	88.5	466

CONCLUSION:

In accordance with ASTM F1292-04, this product qualifies for a maximum fall height of twelve (12) feet with a twelve (12) inch depth of chips.

This report applies only to the actual samples tested. Northwest Laboratories does not certify, warrant, or guarantee any products manufactured by others. Samples discarded within **thirty (30) days** unless otherwise requested in writing by you.

NORTHWEST LABORATORIES, INC.

Richard J. Schefsky
Engineer

nbe

www.nwlabs1896.com
d_schefsky@nwlabs1896.com

NORTHWEST LABORATORIES *of Seattle, Incorporated*
ESTABLISHED 1896
Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry
241 South Holden Street • Seattle, WA 98108-4359 • Phone: (206) 763-6252 • Fax: (206) 763-3949 www. nwlabs1896.com

Report To: Morton & Sons, Inc. Date: July 2, 2010

Report On: Wheelchair Test Lab No.: E84162-1

Test Method:

ASTM F1951-99
Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

Product Name: Wood Chips From Morton & Sons

Product Description: Wood Chips Made From Fresh Pine Logs

Product Depth: 12 inches

Testing Temperature/Date: (The test was performed indoors)

The product temperature was 65° F and the air temperature 65° F / 07/01/10

TEST WHEELCHAIR:

Builder: Northwest Laboratories, Inc.

Rear Wheels: 24 – inch pneumatic tires
Spacing of 20.5 inches between center lines of tires.

Front Wheels: 8 – inch pneumatic tires
Spacing 17.5 inches between center lines of casters.

Front axle to rear axle spacing: 16 5/16 inches

Weight:
Rear Wheels 131.00 lbs.
Front Wheels 80.29
Total 211.29 lbs.

Propulsion: The Wheelchair is propelled with an electric motor. Two clutches provide the Four power strokes. Power is supplied to the rims of the rear wheels in the Same manner as push rims do in a manual chair.

Guide: The wheelchair straddles a metal pipe which ensures travel in a straight line.

Yakima County Public Services
Solid Waste Division
7151 Roza Hill Drive
Yakima, WA 98901
Phone: (509) 574-2460

Statement

For Dates 6/1/2012 to 6/30/2012

1783352		06/21/2012	95-Earth Cover [31.03 TN]	$294.79
1783368	LESTER	06/21/2012	95-Earth Cover [28.15 TN]	$267.43
1783382	BENJI	06/21/2012	95-Earth Cover [25.18 TN]	$239.21
1783393	MARK	06/21/2012	95-Earth Cover [23.93 TN]	$227.34
1783450	LESTER	06/21/2012	95-Earth Cover [25.84 TN]	$245.48
1783458	BEN	06/21/2012	10-Garbage [28.70 TN]	$918.46
1783522	DERIC	06/21/2012	95-Earth Cover [28.96 TN]	$275.12
1783537	BENJI	06/21/2012	95-Earth Cover [25.92 TN]	$246.24
1783622	PURPLE	06/21/2012	95-Earth Cover [27.80 TN]	$264.10
1783695	MARK	06/22/2012	95-Earth Cover [21.96 TN]	$208.62
1783721	LESTER	06/22/2012	10-Garbage [26.55 TN]	$849.65
1783742	BENJI	06/22/2012	95-Earth Cover [23.44 TN]	$222.68
1783757	MARK	06/22/2012	95-Earth Cover [23.66 TN]	$224.77
1783778		06/22/2012	95-Earth Cover [25.42 TN]	$241.49
1783787	LESTER	06/22/2012	95-Earth Cover [23.66 TN]	$224.77
1783790	DERICK	06/22/2012	95-Earth Cover [29.00 TN]	$275.50
1783803	BENJI	06/22/2012	95-Earth Cover [28.34 TN]	$269.23
1783829		06/22/2012	95-Earth Cover [23.64 TN]	$224.58
1783868	LESTER	06/22/2012	95-Earth Cover [27.96 TN]	$265.62
1783887	BENJE	06/22/2012	95-Earth Cover [26.77 TN]	$254.32
1783920	MARK	06/22/2012	95-Earth Cover [23.04 TN]	$218.88
1783977	LESTER	06/22/2012	95-Earth Cover [29.15 TN]	$276.93
1783988	BENJI	06/22/2012	95-Earth Cover [25.88 TN]	$245.86
1784013	DEREK	06/22/2012	95-Earth Cover [25.67 TN]	$243.87
1784927	012	06/25/2012	95-Earth Cover [23.03 TN]	$218.79
1784946	015	06/25/2012	95-Earth Cover [20.87 TN]	$198.27
1784953	016	06/25/2012	95-Earth Cover [25.25 TN]	$239.88
1784957	012	06/25/2012	95-Earth Cover [18.37 TN]	$174.52
1784959	014	06/25/2012	95-Earth Cover [17.28 TN]	$164.16
1784987	015	06/25/2012	95-Earth Cover [22.98 TN]	$218.31
1785002	016	06/25/2012	95-Earth Cover [24.64 TN]	$234.08
1785007	012	06/25/2012	95-Earth Cover [20.02 TN]	$190.19
1785020	014	06/25/2012	95-Earth Cover [20.88 TN]	$198.36
1785045	015	06/25/2012	95-Earth Cover [25.42 TN]	$241.49
1785083	016	06/25/2012	95-Earth Cover [23.88 TN]	$226.86
1785094	012	06/25/2012	95-Earth Cover [22.17 TN]	$210.62
1785113	03	06/25/2012	95-Earth Cover [23.08 TN]	$219.26
1785124	015	06/25/2012	95-Earth Cover [16.51 TN]	$156.85
1785158	016	06/25/2012	95-Earth Cover [19.40 TN]	$184.30
1785165	012	06/25/2012	95-Earth Cover [13.44 TN]	$127.68
1785185	03	06/25/2012	95-Earth Cover [19.47 TN]	$184.97
1785196	015	06/25/2012	95-Earth Cover [22.57 TN]	$214.42
1785235	016	06/25/2012	95-Earth Cover [21.00 TN]	$199.50
1785237	012	06/25/2012	95-Earth Cover [16.57 TN]	$157.42
1785252	015	06/25/2012	95-Earth Cover [22.53 TN]	$214.04
1785255	03	06/25/2012	95-Earth Cover [25.98 TN]	$246.81
1785350	S	06/25/2012	10-Garbage [0.13 TN]	$13.00
			100-Unsecured Load (Up to 10 Yds) [1 FF]	
1785363	012	06/26/2012	95-Earth Cover [23.42 TN]	$222.49
1785368	016	06/26/2012	95-Earth Cover [27.14 TN]	$257.83
1785383	APPLE	06/26/2012	95-Earth Cover [28.67 TN]	$272.37
1785396	BLACK	06/26/2012	95-Earth Cover [22.28 TN]	$211.66
1785404	12	06/26/2012	95-Earth Cover [23.82 TN]	$226.29

Customer ID: 1177

Yakima County Public Services
Solid Waste Division
7151 Roza Hill Drive
Yakima, WA 98901
Phone: (509) 574-2460

Statement

For Dates 6/1/2012 to 6/30/2012

1785410	TV16	06/26/2012	95-Earth Cover [25.60 TN]	$243.20
1785427	BLUE 15	06/26/2012	95-Earth Cover [27.71 TN]	$263.25
1785440	03	06/26/2012	95-Earth Cover [31.84 TN]	$302.48
1785448	012	06/26/2012	95-Earth Cover [25.14 TN]	$238.83
1785451	S	06/26/2012	10-Garbage [1.06 TN]	$33.92
1785468	016	06/26/2012	95-Earth Cover [24.13 TN]	$229.24
1785478	BLUE 15	06/26/2012	95-Earth Cover [23.57 TN]	$223.92
1785506	12	06/26/2012	95-Earth Cover [24.82 TN]	$235.79
1785507	3	06/26/2012	95-Earth Cover [32.88 TN]	$312.36
1785514	ABURG	06/26/2012	95-Earth Cover [34.26 TN]	$325.47
1785520	BLUE	06/26/2012	95-Earth Cover [31.78 TN]	$301.91
1785565		06/26/2012	95-Earth Cover [27.65 TN]	$262.68
1785581	BLACK	06/26/2012	95-Earth Cover [30.20 TN]	$286.90
1785588	BURG	06/26/2012	95-Earth Cover [29.11 TN]	$276.55
1785593	BLUE	06/26/2012	95-Earth Cover [28.92 TN]	$274.74
1785633	WHITE	06/26/2012	95-Earth Cover [23.98 TN]	$227.81
1785640	BLACK	06/26/2012	95-Earth Cover [23.44 TN]	$222.68
1785641	BLUIE	06/26/2012	95-Earth Cover [28.07 TN]	$266.67
1785644	BURG	06/26/2012	95-Earth Cover [31.20 TN]	$296.40
1785722	012	06/27/2012	95-Earth Cover [21.82 TN]	$207.29
1785733	3	06/27/2012	95-Earth Cover [18.77 TN]	$178.32
1785736	PURPLE	06/27/2012	95-Earth Cover [28.17 TN]	$267.62
1785746	TV16	06/27/2012	95-Earth Cover [31.98 TN]	$303.81
1785756	TV12	06/27/2012	95-Earth Cover [23.47 TN]	$222.97
1785778	TV15	06/27/2012	95-Earth Cover [28.55 TN]	$271.23
1785779	TV3	06/27/2012	95-Earth Cover [27.48 TN]	$261.06
1785793	TV16	06/27/2012	95-Earth Cover [24.48 TN]	$232.56
1785811	TV12	06/27/2012	95-Earth Cover [19.27 TN]	$183.07
1785822	TV3	06/27/2012	95-Earth Cover [26.24 TN]	$249.28
1785849	TV16	06/27/2012	95-Earth Cover [29.80 TN]	$283.10
1785861	TV15	06/27/2012	95-Earth Cover [25.71 TN]	$244.25
1785884	TV12	06/27/2012	95-Earth Cover [22.52 TN]	$213.94
1785886	TV3	06/27/2012	95-Earth Cover [24.52 TN]	$232.94
1785919	016	06/27/2012	95-Earth Cover [25.88 TN]	$245.86
1785935	015	06/27/2012	95-Earth Cover [27.52 TN]	$261.44
1785954	012	06/27/2012	95-Earth Cover [25.37 TN]	$241.02
1785962	03	06/27/2012	95-Earth Cover [25.84 TN]	$245.48
1785982	016	06/27/2012	95-Earth Cover [24.22 TN]	$230.09
1786002	015	06/27/2012	95-Earth Cover [21.49 TN]	$204.16
1786009	012	06/27/2012	95-Earth Cover [24.45 TN]	$232.28
1786015	03	06/27/2012	95-Earth Cover [26.84 TN]	$254.98
1786111	TV16	06/28/2012	95-Earth Cover [32.76 TN]	$311.22
1786465	1177	06/28/2012	10-Garbage [0.25 TN]	$8.00
1786526	M SEV	06/29/2012	95-Earth Cover [32.16 TN]	$305.52
1786546	MS 14	06/29/2012	95-Earth Cover [31.41 TN]	$298.40
1786621	M SEVIG	06/29/2012	95-Earth Cover [29.74 TN]	$282.53
1786661	M SEVIG	06/29/2012	95-Earth Cover [30.02 TN]	$285.19
1786770	M SEVIG	06/29/2012	95-Earth Cover [28.51 TN]	$270.85
1786779	MAROON	06/29/2012	95-Earth Cover [29.30 TN]	$278.35

Net Activity	3,245.88	$32,421.20
	-1.44	-54.00
	3244.44	32367.2

Customer ID: 1177

Invoice

Bill To:

M Sevigny Construction
1251 Lucy Lane
Zillah, WA 98953

Invoice #: 951

Invoice Date:
8/27/2012

Due Date: 9/11/2012

Date	Item	Description	Amount
8/27/2012	sod Installation	Installed 268,340 square feet of sod at Apple Valley School per bid.	69,768.40
		Yakima City	0.00

Total	$69,768.40
Payments/Credits	$0.00
Balance Due	$69,768.40

Yakima County Public Services
Solid Waste Division
7151 Roza Hill Drive
Yakima, WA 98901
Phone: (509) 574-2460

Statement

For Dates 6/1/2012 to 6/30/2012

Summary

Previous Balance:	$291.30
Current Charges:	$32,421.20
Payments:	-$291.30
Adjustments:	$0.00
Total Due:	$32,421.20

Current	1 - 30	31 - 60	61 - 90	> 90	Total
$32,421.20	$0.00	$0.00	$0.00	$0.00	$32,421.20

Customer ID: 1177

Apple Valley School Dirt Project
Sevigny Construction

Matt 949-3547

11,500 Tons of Top Soil

	Herke w Pup	Herke Side Dump	Tucker w Pup	Forenphar w Pup	4K's w Pup	Pendleton #47 w Pup	Pendleton #49 w Pup	Pendleton #14 w Pup	Pendleton #24 w Pup	Pendleton #4 w Pup	WSG w Pup	Kodiak Side Dump	total tons	Daily Total
7/5/12	-	-	22.7	22.41	-	-	-	-	-	-	-	-	45.11	
	-	18.55	23.97	24.3	-	-	-	-	-	-	-	-	66.82	
	-	21.65	22.89	25.04	-	-	-	-	-	-	-	-	69.58	
	25.53	22.67	23.99	25.47	-	-	-	-	-	-	-	-	97.66	
	24.25	23.1	22.92	24.28	-	-	-	-	-	-	-	-	94.55	
	25.27	21.79	22.43	24	-	-	-	-	-	-	-	-	93.49	
	26.62	22.51	22.95	24.58	-	-	-	-	-	-	-	-	96.66	
	26.39	22.3	23.51	-	-	-	-	-	-	-	-	-	72.2	
	-	-	24.01	-	-	-	-	-	-	-	-	-	24.01	660.08
7/6/12	27.66	25.27	25.07	25.1	-	-	-	-	-	-	-	-	103.1	
	25.18	21.46	22.85	22.17	-	-	-	-	-	-	-	-	91.66	
	24.35	23.11	23.12	-	-	-	-	-	-	-	-	-	70.58	
	24.42	22.54	22.37	-	-	-	-	-	-	-	-	-	69.33	
	27.49	23.77	23.72	24.21	-	-	-	-	-	-	-	-	99.19	
	28.33	23.12	24.55	24.32	-	-	-	-	-	-	-	-	100.32	
	29.29	-	25.72	26.32	-	-	-	-	-	-	-	-	81.33	
	25.58	-	22.59	23.16	-	-	-	-	-	-	-	-	71.33	
	26.2	-	-	-	-	-	-	-	-	-	-	-	26.2	713.04
7/9/12	28.2	23.75	23.75	-	-	-	-	-	-	-	-	-	75.7	
	26.73	23.29	24.23	-	-	-	-	-	-	-	-	-	74.25	
	27.27	24.43	24.72	-	-	-	-	-	-	-	-	-	76.42	
	29.97	23.6	24.71	-	-	-	-	-	-	-	-	-	78.28	
	24.47	24.5	23.43	-	-	-	-	-	-	-	-	-	72.4	
	26.37	24.65	24.45	-	-	-	-	-	-	-	-	-	75.47	
	24.62	24.68	25.23	-	-	-	-	-	-	-	-	-	74.53	
	27.75	25.09	24.36	-	-	-	-	-	-	-	-	-	77.2	
	28.95	-	24.27	-	-	-	-	-	-	-	-	-	53.22	657.47
7/10/12	27.85	-	23.76	-	-	-	-	-	25.83	22.45	-	27.24	127.13	
	27.77	24.67	25.45	-	-	-	-	-	28.95	23.81	-	28.64	159.29	
	-	25.49	25.63	-	-	-	-	-	29.03	24.09	-	28.42	132.66	
	27.84	25.03	26.33	-	-	-	-	-	29.64	23.27	-	27.78	159.89	
	27.35	24.78	24.65	-	-	-	-	-	28.97	23.2	-	28.03	156.98	
	27.54	25.7	23.91	-	-	-	-	-	29.78	24.05	-	28.4	159.38	
	-	25.61	24.45	-	-	-	-	-	29.47	23.38	-	28.23	131.14	
	-	25.69	24.01	-	-	-	-	-	30.6	23.4	-	28.88	132.58	
	-	-	-	-	-	-	-	-	28.51	23.1	-	26.13	77.74	1236.79

7/11/12	26.85	24.65	23.26	-	-	-	-	-	-	21.83	-	28.67	125.26	
	28.48	25.09	25.29	-	-	-	-	-	-	22.88	-	26.67	128.41	
	28.83	25.79	25.8	-	-	-	-	-	-	23.66	-	26.79	130.87	
	27.72	25.88	25.29	-	-	-	-	-	-	23.48	-	25.92	128.29	
	27.43	25.6	25.87	-	-	-	-	-	-	23.41	-	28.33	130.64	
	28.62	24.91	-	-	-	-	-	-	-	24.13	-	29.2	106.86	
	27.67	-	-	-	-	-	-	-	-	22.14	-	28.68	78.49	
	30	26.58	-	-	27.67	-	-	-	-	23.9	-	27.7	135.85	
	31.14	-	-	-	28.7	-	-	-	-	23.43	-	29.17	112.44	
	-	-	-	-	31.14	-	-	-	-	23.46	-	29.08	83.68	1160.79
7/12/12	26.78	25.6	24.21	-	27.59	-	27.92	26.93	-	-	-	27.32	186.35	
	27.71	24.65	25.25	-	26.2	-	28.01	27.46	-	-	-	25.78	185.06	
	26.63	-	24.09	-	28.38	-	27.06	27.7	-	-	-	26.7	160.56	
	27.99	-	24.52	-	30.29	-	26.15	28.36	-	-	-	27.86	165.17	
	27.04	-	25.79	-	30.09	-	26.34	28.86	-	-	-	27.5	165.62	
	-	-	24.68	-	30.44	-	26.98	29.77	-	-	-	26.18	138.05	
	-	-	24.86	-	29.13	-	27.69	28.92	-	-	-	26.3	136.9	
	-	-	23.5	-	29.8	-	25.84	29.18	-	-	-	28.51	136.83	
	-	-	-	-	29.23	-	28.15	27.8	-	-	-	26.46	111.64	
	-	-	-	-	27.31	-	-	-	-	-	-	-	27.31	1413.49
7/13/12	-	-	24.4	-	28.12	23.16	26.08	-	-	-	25.07	-	126.83	
	-	-	21.57	-	26.69	22.14	25.88	-	-	-	26.98	-	123.26	
	-	-	-	-	28.22	22.66	27.42	-	-	-	27.05	-	105.35	
	-	-	-	-	28.27	24.35	27.05	-	-	-	-	-	79.67	
	-	-	-	-	29.25	23.84	29.62	-	-	-	-	-	82.71	
	-	-		-	30.17	25.45	27.93	-	-	-	-	-	83.55	
	26.73	-	24.84	-	28.21	-	-	-	-	-	-	-	79.78	
	26.91	-	25.26	-	30.75	-	-	-	-	-	-	-	82.92	764.07
7/16/12	27.47	-	25.01	-	28.53	-	-	-	-	-	28.14	-	109.15	
	28.54	-	24.63	-	29.69	-	-	-	-	-	26.99	-	109.85	
	28.56	-	24.06	-	30.36	-	-	-	-	-	28.98	-	111.96	
	29.32	-	25.57	-	28.76	-	-	-	-	-	28.13	-	111.78	
	30.2	-	24.76	-	29.8	-	-	-	-	-	27.29	-	112.05	
	28.76	-	25.74	-	29.39	-	-	-	-	-	27.62	-	111.51	
	30.23	-	25.41	-	31.09	-	-	-	-	-	28.38	-	115.11	
	-	-	-	-	28.71	-	-	-	-	-	27.49	-	56.2	
	-	-	-	-	29.14	-	-	-	-	-	-	-	29.14	866.75
7/17/12	-	23.89	25.42	-	-	-	-	-	-	-	-	-	49.31	
	-	24.69	26.28	-	-	-	-	-	-	-	-	-	50.97	
	-	26.73	26.3	-	-	-	-	-	-	-	-	-	53.03	
	-	28.06	25.68	-	-	-	-	-	-	-	-	-	53.74	
	-	23.78	26.2	-	-	-	-	-	-	-	-	-	49.98	
	-	22.99	24.82	-	-	-	-	-	-	-	-	-	47.81	

	-	24	25.14	-	-	-	-	-	-	-	-	-	49.14	
	-	-	24.5	-	-	-	-	-	-	-	-	-	24.5	378.48
7/18/12	-	-	25.76	-	-	-	-	28.87	-	-	-	-	54.63	
	-	-	24.34	-	-	-	-	29.44	-	-	-	-	53.78	
	-	-	25.12	-	-	-	-	29.89	-	-	-	-	55.01	
	-	-	24.03	-	-	-	-	30.46	-	-	-	-	54.49	
	-	-	25.68	-	-	-	-	28.64	-	-	-	-	54.32	
	-	-	23.88	-	-	-	-	29.72	-	-	-	-	53.6	
	-	-	25.36	-	-	-	-	30.24	-	-	-	-	55.6	
	-	-	25.69	-	-	-	-	-	-	-	-	-	25.69	407.12
7/19/12	26.6	-	-	-	-	-	-	-	-	-	-	-	26.6	
	26.59	-	-	-	-	-	-	-	-	-	-	-	26.59	53.19
7/23/12	30.55	-	-	-	-	-	-	-	-	-	-	-	30.55	
	31.04	-	-	-	-	-	-	-	-	-	-	-	31.04	
	25.72	-	-	-	-	-	-	-	-	-	-	-	25.72	87.31
7/25/12	-	26.16	-	-	-	-	-	-	-	-	-	-	26.16	
	-	26.51	-	-	-	-	-	-	-	-	-	-	26.51	
	-	23.61	-	-	-	-	-	-	-	-	-	-	23.61	
	-	23.16	-	-	-	-	-	-	-	-	-	-	23.16	
	-	25.38	-	-	-	-	-	-	-	-	-	-	25.38	124.82
7/26/12	28.31	23.99	-	-	-	-	-	-	-	-	-	-	52.3	
	29.32	24.84	-	-	-	-	-	-	-	-	-	-	54.16	
	29.7	23.45	-	-	-	-	-	-	-	-	-	-	53.15	159.61
7/27/12	27.55	24.89	-	-	-	-	-	-	-	-	-	-	52.44	
	28.38	-	-	-	-	-	-	-	-	-	-	-	28.38	
	27.91	-	-	-	-	-	-	-	-	-	-	-	27.91	
	28.17	-	-	-	-	-	-	-	-	-	-	-	28.17	
	27.96	-	-	-	-	-	-	-	-	-	-	-	27.96	164.86
7/30/12	30.01	27.93	-	-	-	-	-	-	-	-	-	-	57.94	
	29.72	26.45	-	-	-	-	-	-	-	-	-	-	56.17	
	-	24.1	-	-	-	-	-	-	-	-	-	-	24.1	138.21
7/31/12	14.13	27.27	-	-	-	-	-	-	-	-	-	-	41.4	
	14.62	27.02	-	-	-	-	-	-	-	-	-	-	41.64	
	12.73	22.44	-	-	-	-	-	-	-	-	-	-	35.17	
	-	-	-	-	-	-	-	-	-	-	-	-	0	118.21
	Herke w Pup (Solo)	Herke Side Dump	Tucker w Pup	Forenphar w Pup	4K's w Pup	Pendleton #47 w Pup	Pendleton #49 w Pup	Pendleton #14 w Pup	Pendleton #24 w Pup	Pendleton #4 w Pup	WSG w Pup	Kodiak Side Dump		
												Project total	9,104.29	Tons Invoiced
													11500	8311.27
												to go	2,395.71	536.6

256.42

1 1/4 in minus	Tucker w Pup		Herke w Pup	
7/13/12	27.71	7/23/12	27.69	
	27.34		26.76	
	22.89		27.52	
	77.94		81.97	Project total 159.91
	$12.25	per ton	159.91 tons Invoiced 7/20/2012	

Asphalt to Quarry		Herke with Pup	Herke Side Dump	total loads	
7/25/12		-	12.56	1	
		-	14.93	1	
		-	22.28	1	
		-	19.04	1	
		-	20.15	1	
7/26/12		18.1	13.4	2	
		19.39	15.81	2	
		20.86	18.52	2	
7/27/12		21.34	17.71	2	
		24.87	-	1	
		24.35	-	1	
		22.96	-	1	
		23.38	-	1	
		175.25	154.4	17	329.65
7/30/12		17.57	17.02	2	
		21.9	19.66	2	
	Herke Solo	-	17.16	1	
7/31/12	9.6	-	16.4	2	
	10.27	-	16.44	2	
	10.35	-	17.83	2	
		39.47	104.51	11	143.98

Project total	473.63	total load count	28

Apple Valley School Dirt Project — Matt 949-3547
Sevigny Construction

11,500 Tons of Top Soil — already delivered and invoiced 9104.29 tons

	Herke w Pup	Tucker w Pup
8/14/12	29.37	-
	30.02	-
8/15/12	28.82	27.43

	Herke Side Dump	Herke w Pup	Pendleton #14 w Pup
8/20/12	24.88	25.41	-
	24.22	25.09	-
	25.14	25.35	26.96

1 1/4 in minus	Herke w Pup	Pendleton #4 w Pup
8/13/12	30.11	26.97
	31.27	26.48
8/14/12	32.06	-

Asphalt to Quarry	Tucker with Pup	Herke Side Dump
8/15/12	18.41	-
	17.23	-
	16.45	-

	-	22.93
	-	22.27
	-	24.59
	30.22	25.86
	26.47	25.51
8/16/12	28.57	26.64
	28.08	26.08
(Solo)	14.86	26.94
	-	25.16
	-	26.09
	-	25.38
total	521.29	Inv'd Aug 16
project total	10176.59	
left on order	1323.41	

	25.98	25.45	28.94
	28.35	27.75	30.06
	25.1	25.43	30.6
8/21/12	23.83	29.93	-
	23.22	25.1	-
		24.22	-
			-
			-
			-
			-
			-
total	551.01		8/20 & 21

$12.55 per ton

total	146.89
project total	306.8
All Inv'd Aug 16	

159.91 tons Invoiced 7/20/2012

8/16/12	16.92	-
	13	-
8/20/12	-	12.68
	-	14.70
	-	15.63
8/21/12	-	17.5
	-	
	-	
	-	
Inv'd 82.01 + 5 trucks Aug 16		
total	142.52	
9 loads X 40 for loading		
total invoiced	473.65	
Inv'd loads	28	
Project total	616.17	
Total Loads	37 +	

Asphalt $4 per ton in

tucking 15 min per load = $40 per load

Apple Valley School Dirt Project

Matt 949-3547

Sevigny Construction

Last to Invoice for final

Top Soil	Herke Side Dump	Herke w Pup	Pendleton #14 w Pup
8/20/12	24.88	25.41	-
	24.22	25.09	-
	25.14	25.35	26.96
	25.98	25.45	28.94
	28.35	27.75	30.06
	25.1	25.43	30.6
8/21/12	23.83	29.93	
	23.22	25.1	Tri Valley
	20.67	24.22	Truck
	20.23	27.08	25.25
	19.7	25.77	24.36
	24.13	25.17	24.18
	25.16	25.56	-
	-	26.47	-
8/22/12	22.47	25.09	-
	236.57	31.06	-
8/23/12	12.3	-	-

Asphalt to Quarry	Herke Side Dump	
8/20/12	12.68	1
	14.70	1
	15.63	1
8/21/12	17.5	1
	16.66	1
	12.94	1
	11.97	1
8/22/12	18.15	1
	17.3	1
total	137.53	
load count	9	

1 1/4 inch minus

Herke Side Dump	
8/22/12	21.7
	22.44
8/22/12	23.93

Solo	14.19	-	-		21.91
8/27/12	13.83				23.3
					28.76
					24.09
				8/31/12	23.74
delivered	1146.46	73.79	loaded		
	total	1220.25		total	189.87

Already Invoiced Top Soil	
7/20/12	8311.27
7/30/12	536.6
8/3/12	256.42
8/16/12	521.29
Project total	10845.83
Order	11500
Left on order	654.17

Already Invoiced 1 1/4 in minus	
Total tons for order	306.8

Asphalt to Quarry already invioced		
7/30/12	329.65	17 loads
8/3/12	143.98	11 loads
8/16/12	82.01	5 loads
	555.64	33 loads

Totals for Apple Valley School:

Top Soil		1 1/4 in Minus		Demo to Quarry		Load Count
8311.27	tons invoiced 7/20/2012	159.91	tons invoiced 7/20/2012	none	tons invoiced 7/20/2012	0
536.6	tons invoiced 7/27/2012	none	tons invoiced 7/27/2012	329.65	tons invoiced 7/27/2012	17
256.42	tons invoiced 8/3/2012	none	tons invoiced 8/3/2012	143.98	tons invoiced 8/3/2012	11
521.29	tons invoiced 8/16/2012	146.89	tons invoiced 8/16/2012	82.01	tons invoiced 8/16/2012	5
1206.42	tons invoiced 8/24/2012	166.13	tons invoiced 8/24/2012	138.53	tons invoiced 8/24/2012	9
13.83	tons invoiced 8/28/2012	none	tons invoiced 8/28/2012	none	tons invoiced 8/28/2012	0
none	tons invoiced 8/31/2012	23.74	tons invoiced 8/31/2012	none	tons invoiced 8/31/2012	0
10845.83		496.67		694.17		42

does not include gravel from Columbia.

Apple Valley School Dirt Project

Sevigny Construction

11,500 Tons of Top Soil

	Herke w Pup	Herke Side Dump	Tucker w Pup	Forenphar w Pup	4K's w Pup	Pendleton #49 w Pup	Pendleton #14 w Pup	Pendleton #24 w Pup	Pendleton #4 w Pup	Kodiak Side Dump	total tons	Daily Total
7/5/12	-	-	22.7	22.41	-	-	-	-	-	-	45.11	
	-	18.55	23.97	24.3	-	-	-	-	-	-	66.82	
	-	21.65	22.89	25.04	-	-	-	-	-	-	69.58	
	25.53	22.67	23.99	25.47	-	-	-	-	-	-	97.66	
	24.25	23.1	22.92	24.28	-	-	-	-	-	-	94.55	
	25.27	21.79	22.43	24	-	-	-	-	-	-	93.49	
	26.62	22.51	22.95	24.58	-	-	-	-	-	-	96.66	
	26.39	22.3	23.51	-	-	-	-	-	-	-	72.2	
	-	-	24.01	-	-	-	-	-	-	-	24.01	660.08
7/6/12	27.66	25.27	25.07	25.1	-	-	-	-	-	-	103.1	
	25.18	21.46	22.85	22.17	-	-	-	-	-	-	91.66	
	24.35	23.11	23.12	-	-	-	-	-	-	-	70.58	
	24.42	22.54	22.37	-	-	-	-	-	-	-	69.33	
	27.49	23.77	23.72	24.21	-	-	-	-	-	-	99.19	
	28.33	23.12	24.55	24.32	-	-	-	-	-	-	100.32	
	29.29	-	25.72	26.32	-	-	-	-	-	-	81.33	
	25.58	-	22.59	23.16	-	-	-	-	-	-	71.33	
	26.2	-	-	-	-	-	-	-	-	-	26.2	713.04
7/9/12	28.2	23.75	23.75	-	-	-	-	-	-	-	75.7	
	26.73	23.29	24.23	-	-	-	-	-	-	-	74.25	
	27.27	24.43	24.72	-	-	-	-	-	-	-	76.42	
	29.97	23.6	24.71	-	-	-	-	-	-	-	78.28	
	24.47	24.5	23.43	-	-	-	-	-	-	-	72.4	
	26.37	24.65	24.45	-	-	-	-	-	-	-	75.47	
	24.62	24.68	25.23	-	-	-	-	-	-	-	74.53	
	27.75	25.09	24.36	-	-	-	-	-	-	-	77.2	
	28.95	-	24.27	-	-	-	-	-	-	-	53.22	657.47
7/10/12	27.85	-	23.76	-	-	-	-	25.83	22.45	27.24	127.13	
	27.77	24.67	25.45	-	-	-	-	28.95	23.81	28.64	159.29	
	-	25.49	25.63	-	-	-	-	29.03	24.09	28.42	132.66	
	27.84	25.03	26.33	-	-	-	-	29.64	23.27	27.78	159.89	
	27.35	24.78	24.65	-	-	-	-	28.97	23.2	28.03	156.98	
	27.54	25.7	23.91	-	-	-	-	29.78	24.05	28.4	159.38	
	-	25.61	24.45	-	-	-	-	29.47	23.38	28.23	131.14	
	-	25.69	24.01	-	-	-	-	30.6	23.4	28.88	132.58	
	-	-	-	-	-	-	-	28.51	23.1	26.13	77.74	1236.79
7/11/12	26.85	24.65	23.26	-	-	-	-	-	21.83	28.67	125.26	

	28.48	25.09	25.29	-	-	-	-	-	22.88	26.67	128.41	
	28.83	25.79	25.8	-	-	-	-	-	23.66	26.79	130.87	
	27.72	25.88	25.29	-	-	-	-	-	23.48	25.92	128.29	
	27.43	25.6	25.87	-	-	-	-	-	23.41	28.33	130.64	
	28.62	24.91	-	-	-	-	-	-	24.13	29.2	106.86	
	27.67	-	-	-	-	-	-	-	22.14	28.68	78.49	
	30	26.58	-	-	27.67	-	-	-	23.9	27.7	135.85	
	31.14	-	-	-	28.7	-	-	-	23.43	29.17	112.44	
	-	-	-	-	31.14	-	-	-	23.46	29.08	83.68	1160.79
7/12/12	26.78	25.6	24.21	-	27.59	27.92	26.93	-	-	27.32	186.35	
	27.71	24.65	25.25	-	26.2	28.01	27.46	-	-	25.78	185.06	
	26.63	-	24.09	-	28.38	27.06	27.7	-	-	26.7	160.56	
	27.99	-	24.52	-	30.29	26.15	28.36	-	-	27.86	165.17	
	27.04	-	25.79	-	30.09	26.34	28.86	-	-	27.5	165.62	
	-	-	24.68	-	30.44	26.98	29.77	-	-	26.18	138.05	
	-	-	24.86	-	29.13	27.69	28.92	-	-	26.3	136.9	
	-	-	23.5	-	29.8	25.84	29.18	-	-	28.51	136.83	
	-	-	-	-	29.23	28.15	27.8	-	-	26.46	111.64	
	-	-	-	-	27.31	-	-	-	-	-	27.31	1413.49
7/13/12												
	Herke w Pup	Herke Side Dump	Tucker w Pup	Forenphar w Pup	4K's w Pup	Pendleton #49 w Pup	Pendleton #14 w Pup	Pendleton #24 w Pup	Pendleton #4 w Pup	Kodiak Side Dump		
										Project total	5,841.66	

Yakima County Public Services
Solid Waste Division
7151 Roza Hill Drive
Yakima, WA 98901
Phone: (509) 574-2460

Date: 09/01/2012
Page: 1

Statement

For Dates 8/1/2012 to 8/31/2012

Customer ID: 1177

M SEVIGNY CONSTRUCTION INC
1251 LUCY LANE
ZILLAH, WA 98953-

Previous Balance:	$3,852.64	**Adjustments:**	$0.00
Current Charges:	$1,715.86		
Payments:	-$3,852.64	**Current Balance:**	$1,715.86

Ticket / Check #	Vehicle #	Date Out	Description	Total Charges
1800960	M SEVIGNY	08/02/2012	10-Garbage [0.44 TN]	$14.08
2159006	1177	08/08/2012	10-Garbage [0.40 TN]	$12.81
1805226	M	08/13/2012	10-Garbage [0.77 TN]	$24.65
1805982	SEVIGNY	08/15/2012	10-Garbage [0.68 TN]	$21.77
1806424	TRI VALLE 16	08/17/2012	95-Earth Cover [18.01 TN]	$171.10
1806492	TV 16	08/17/2012	95-Earth Cover [35.69 TN]	$339.06
1808041	WHITE	08/21/2012	95-Earth Cover [24.18 TN]	$229.71
1808110	12	08/21/2012	95-Earth Cover [25.69 TN]	$244.06
6161		08/21/2012	Check/Ref # 6161	-$3,852.64
2160031	1177	08/22/2012	10-Garbage [0.22 TN]	$13.00
			100-Unsecured Load (Up to 10 Yds) [1 FF]	
1809282	15 A	08/24/2012	95-Earth Cover [31.74 TN]	$301.53
1809376	TV 15	08/24/2012	95-Earth Cover [36.22 TN]	$344.09
			Net Activity	~~174.04~~ 171.53 $1,715.86

Summary

Previous Balance:	$3,852.64
Current Charges:	$1,715.86
Payments:	-$3,852.64
Adjustments:	$0.00
Total Due:	$1,715.86

Current	1 - 30	31 - 60	61 - 90	> 90	Total
$1,715.86	$0.00	$0.00	$0.00	$0.00	$1,715.86

Yakima County Public Services
Solid Waste Division
7151 Roza Hill Drive
Yakima, WA 98901
Phone: (509) 574-2460

Date: 08/02/2012
Page: 1

Statement

For Dates 7/1/2012 to 7/31/2012

Customer ID: 1177

M SEVIGNY CONSTRUCTION INC
1251 LUCY LANE
ZILLAH, WA 98953-

Previous Balance:	$32,421.20	**Adjustments:**	$0.00
Current Charges:	$3,852.64		
Payments:	-$32,421.20	**Current Balance:**	$3,852.64

Ticket / Check #	Vehicle #	Date Out	Description	Total Charges
1788126	015	07/02/2012	95-Earth Cover [27.28 TN]	$259.16
2155940	1177	07/02/2012	10-Garbage [0.88 TN]	$28.16
2155992	1177	07/02/2012	10-Garbage [0.76 TN]	$24.33
1788219	TV16	07/03/2012	95-Earth Cover [24.73 TN]	$234.94
1788438	016	07/03/2012	95-Earth Cover [27.86 TN]	$264.67
1788560	016	07/03/2012	95-Earth Cover [29.51 TN]	$280.35
1789131	M SEVIGNY	07/05/2012	10-Garbage [1.00 TN]	$32.00
1789268	016	07/06/2012	95-Earth Cover [36.10 TN]	$342.95
1789342	016	07/06/2012	95-Earth Cover [38.46 TN]	$365.37
2156862	SEVIGNY	07/14/2012	10-Garbage [0.63 TN]	$20.16
2157132	M SEVIGNY	07/17/2012	10-Garbage [1.86 TN]	$59.53
1794476	M SEVIGNY	07/18/2012	10-Garbage [1.18 TN]	$37.76
1795443	MS	07/20/2012	10-Garbage [0.77 TN]	$24.65
2157885	1177	07/25/2012	10-Garbage [0.53 TN]	$16.96
1797824	1177	07/26/2012	95-Earth Cover [15.26 TN]	$144.97
1797905	1177-TRK 12	07/26/2012	95-Earth Cover [19.80 TN]	$188.10
1797908	1177-TRK15	07/26/2012	95-Earth Cover [25.05 TN]	$237.98
1797997	1177-TRK 12	07/26/2012	95-Earth Cover [21.85 TN]	$207.58
1798011	1177-TRK15	07/26/2012	95-Earth Cover [26.45 TN]	$251.28
1798058	1177-TRK12	07/26/2012	95-Earth Cover [16.43 TN]	$156.09
1798083	MS #15	07/26/2012	95-Earth Cover [23.69 TN]	$225.06
1798200	SELAH	07/27/2012	95-Earth Cover [19.36 TN]	$183.92
1798288	WHITE 12	07/27/2012	95-Earth Cover [22.58 TN]	$214.51
1798337	SEVIGNY	07/27/2012	10-Garbage [0.44 TN]	$14.08
6090		07/28/2012	Check/Ref # 6090	-$32,421.20
1799618	S	07/30/2012	10-Garbage [1.19 TN]	$38.08
			Net Activity	~~383.65~~ 374.41 $3,852.64

CHAIN OF CUSTODY RECORD

201 East D Street
Yakima, WA 98901
(509) 575 – 3999
Fax: (509) 575 - 3068

WORK ORDER ID # _____

PAGE _____ OF _____

THIS INFORMATION WILL BE FOR REPORTING/BILLING* (SEE BELOW)

CLIENT: Dept. of Ecology
ADDRESS: 15 W. YAKIMA AVE, YAKIMA, WA 98902
ATTENTION: NORM HEPNER
PROJECT NAME: Apple Valley
PROJECT CONTACT: Norm Hepner
TELEPHONE: 509 457-7127 FAX: _____
Sampled By: NORM HEPNER

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Complete	Basic	Texture	2	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
	Composite PG	9/20	2:30	S	1	X				Composite Poor Grass
	PG #1	9/20	2:30	S	1		X	X		Poor Grass
	Composite GG	9/20	2:30	S	1		X	X		Composite Good Grass

A. A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**

NAME ADDRESS
ATTN: CITY,STATE,ZIP

* RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL

TOTAL NO. OF CONTAINERS

- [x] Standard 10 Business Days
- [ ] 24-48 Hrs. 100% Rush
- [ ] 3-Day Rush – 80%
- [ ] 1 week Rush – 50%

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
		B. Osborne	9/20/13 14:30

Finance charges and/or collection fees may be applied to delinquent accounts

VALLEY Environmental Laboratory

Washington State Certified Lab #153 - DOE Accredited Lab C345

Complete Soil Test

Date Collected: 09/20/13	
Lab/Sample No: 153-92004	**County: YAKIMA**
Sample Location: Poor Grass	
	Date Received: 09/20/13
	Date Reported: 09/30/13
	Sample Collected By: Norm Hepner

Send Report To:	**SAMPLE COMMENTS** **Matrix: Soil**
Department of Ecology **Attn: Norm Hepner** **15 W Yakima Ave Suite 200** **Yakima, WA 98902**	**Apple Valley**

Complete Soil Test

DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
	pH	**8.5**	pH units						
	Soluble Salts	**0.12**	mmhos						
	Boron	**0.1**	ppm						
	Organic Matter	**0.4**	%						
	Nitrate	**6**	#/Ac						
	Potassium	**244**	ppm						
	Phosphorus	**11**	ppm						
	Calcium	**14.1**	meq						
	Magnesium	**7.9**	meq						
	Sulfur	**7.2**	ppm						
	Ammonia	**5**	#/Ac						
	Zinc	**0.3**	ppm						
	Manganese	**14**	ppm						
	Copper	**1.1**	ppm						
	Iron	**19**	ppm						
	Total Bases	**23.1**	tb						
	Sodium	**0.51**	meq						

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (MDL<MRL<SRL).

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By: _____

201 East D Street Yakima, WA 98901 509-575-3999 Fax: 509-575-3068

92004-soilcomp

VALLEY Environmental Laboratory

Washington State Certified Lab #153 - DOE Accredited Lab C345

Complete Soil Test

Date Collected: 09/20/13	
Lab/Sample No: 153-92005	**County: YAKIMA**
Sample Location: Poor Grass	
	Date Received: 09/20/13
	Date Reported: 09/30/13
	Sample Collected By: Norm Hepner

Send Report To:	**SAMPLE COMMENTS** **Matrix: Soil**
Department of Ecology **Attn: Norm Hepner** **15 W Yakima Ave Suite 200** **Yakima, WA 98902**	**Apple Valley**

Complete Soil Test

DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
	pH	**8.1**	pH units						
	Organic Matter	**0.3**	%						
	Boron	**0.2**	ppm						
	Nitrate	**6**	#/Ac						
	Potassium	**268**	ppm						
	Phosphorus	**13**	ppm						
	Sulfur	**7.7**	ppm						
	Ammonia	**6**	#/Ac						
	Zinc	**0.5**	ppm						
	Soil Class:	**Loam**							
	Sand	**47.8**	%						
	Silt	**42.2**	%						
	Clay	**10**	%						

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (MDL<MRL<SRL).

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By: _____

201 East D Street Yakima, WA 98901 509-575-3999 Fax: 509-575-3068

92005-basic Soil

VALLEY Environmental Laboratory

Washington State Certified Lab #153 - DOE Accredited Lab C345

Complete Soil Test

Date Collected: 09/20/13	
Lab/Sample No: 153-92005	County: YAKIMA
Sample Location: Good Grass	
	Date Received: 09/20/13
	Date Reported: 09/30/13
	Sample Collected By: Norm Hepner

Send Report To:	SAMPLE COMMENTS Matrix: Soil
Department of Ecology Attn: Norm Hepner 15 W Yakima Ave Suite 200 Yakima, WA 98902	Apple Valley

Complete Soil Test

DOH#	Analytes	Results	Units	MRL	Trigger	MCL	Method	Analyzed	Analyst
	pH	8	pH units						
	Organic Matter	0.6	%						
	Boron	0.2	ppm						
	Nitrate	7	#/Ac						
	Potassium	256	ppm						
	Phosphorus	16	ppm						
	Sulfur	9	ppm						
	Ammonia	9	#/Ac						
	Zinc	0.4	ppm						
	Soil Class:	Loam							
	Sand	48.8	%						
	Silt	42.2	%						
	Clay	9	%						

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (MDL<MRL<SRL).

Trigger: DOH Drinking Water response level. Public Systems in excess of this level must take additional samples. Recommended range on packages.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL or SRL.

Approved By: _____

201 East D Street Yakima, WA 98901 509-575-3999 Fax: 509-575-3068

92006-basic soil

SGS Moxee City
7528 Postma Road
Moxee City, WA 98936 / (509)248-5756

Apple Valley School

Blend Ticket **375307012**
Not Loaded

Salesperson: youngb
Ordered Date: 10/02/2013
Time: 10:23 AM
Loaded Date:
Crop:
Acre: 5
Placement:
Set: MOX DRY

WEST VALLEY SCHOOL DISTRICT #208
8902 ZIER RD

YAKIMA, WA 98908
509-972-6030

Field ID: 42645 / All
Description:
County/Township: /
Range/Section: /

Comments:

Product	Rate/Acre	Blending Units	RPM
11-52-00 (MAP) [T]	480.769 Lbs	1078 Lbs	764
21-00-00 AMM SUL-REG [T]	224.359 Lbs	503 Lbs	487
SULPHUR DEGRADABLE 90% [T]	151.709 Lbs	340.13 Lbs	360
B.A. HUMUS DC, PHT [2000L]	35.000 Lbs	78.47 Lbs	137

Lbs	N	P	K	S	SO	Ca	Mg	Zn	Fe	Mn	Cu	B
Order.	100	250	0	200.000								
Blend.	100	250	0	200.000								
Analys.	11.21	28.03	0	22.426								

Total Blend Weight: 4459.550

Lbs/Acre: 892 **Lbs/Cu Ft: 58.55** **Cu Ft/Acre: 15.232** **Lbs/Batch: 1999** **Acre/Batch: 2.242**

2 full Batches: ☐ ☐

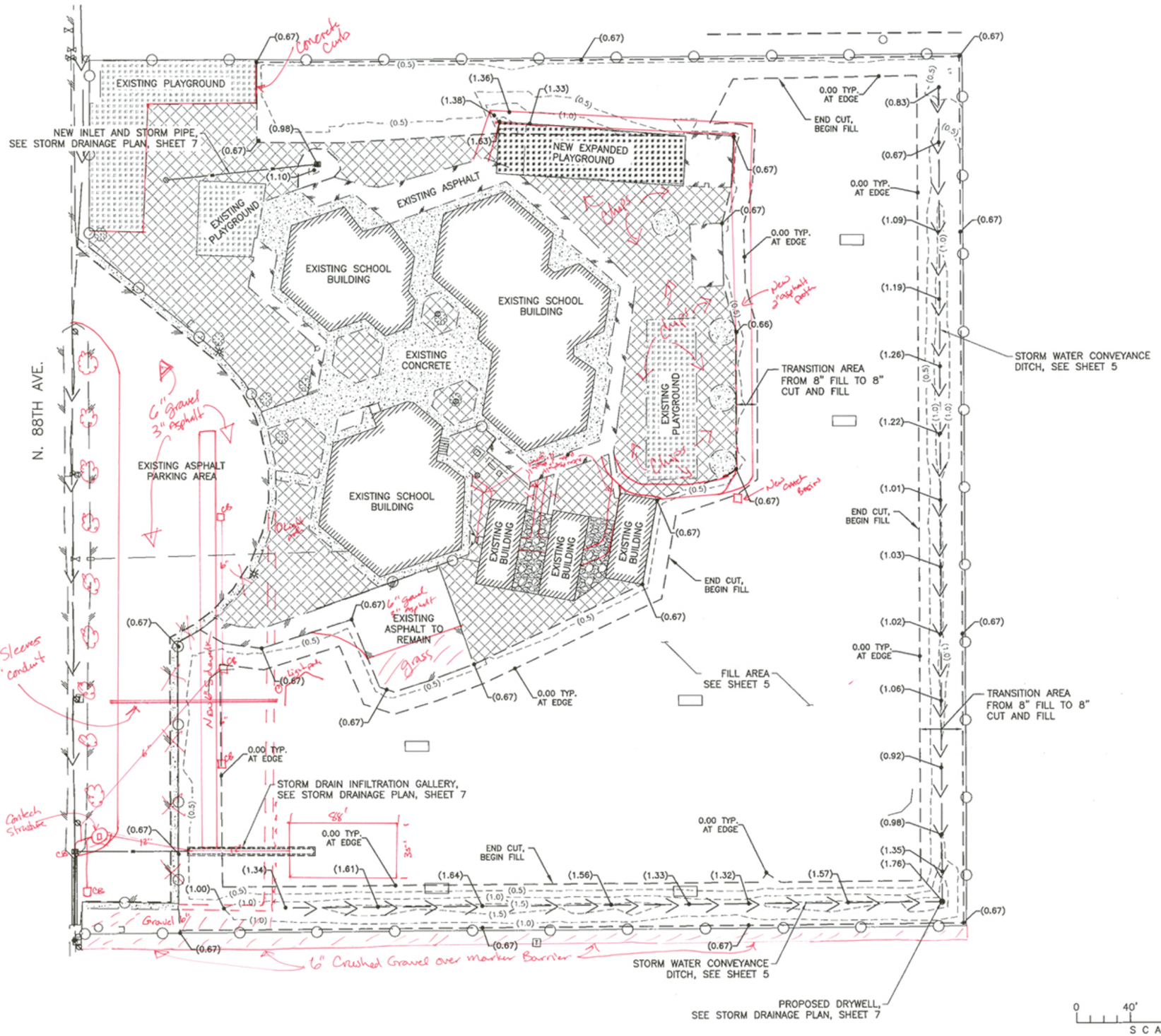
Partial Blend Ticket Attached

RECEIVED
OCT 23 2013
FACILITIES

Total Units/Min: 1999.6 lbs/min
Lbs/Batch: 1999.6 lbs
Blending Time: 1.00 minutes
Total Lbs: 4460 lbs

Blend Ticket **375307012**

CALL BEFORE YOU DIG
1 (800) 424-5555
ONE CALL NUMBER
48 HOUR NOTICE REQUIRED



AS BUILT

By: Matthew Sparagnes
Vice President

LEGEND

- AREA TO BE EXCAVATED 8" AND CAPPED PER DETAILS, SHEET 2 & 3
- LIMITS OF EARTH REMOVAL AREA
- EARTH REMOVAL CONTOUR (0.5' INTERVAL)

SUBGRADE PREPARATION NOTES

EXISTING GRADE SHALL BE REMOVED AND DISPOSED OF TO THE GEOMETRY AND ELEVATIONS SHOWN ON THIS PLAN. NEGATIVE VALUES (CUT) ARE SHOWN IN PARENTHESES (0.08) AND INDICATE DEPTHS OF EARTH REMOVAL.

EARTHWORK CUT VOLUMES

THE VOLUMES OF EARTHWORK REMOVAL DEPICTED ON THIS SHEET INCLUDE THE FOLLOWING:

CUT:	1,835	CUBIC YARDS
	(2,849	TONS ASSUMING 115 lbs/C.F.)

ADDITIONAL EARTH REMOVAL IN AND AROUND THE BUILDING AND PLAYGROUND AREA

CUT:	1,450	CUBIC YARDS
	(2,251	TONS ASSUMING 115 lbs/C.F.)

TOTAL CUT VOLUME:	3,285	CUBIC YARDS
	(5,100	TONS ASSUMING 115 lbs/C.F.)

GEOENGINEERS

TD&H Engineering
tdhengineering.com
GREAT FALLS BOZEMAN HAILSPELL
WASHINGTON IDAHO
LEWISTON

DRAWN BY:	JCR
DESIGNED BY:	TAG
QUALITY CHECK:	TAG
DATE:	04/20/12
JOB NO.	S12-013
FIELDBOOK	

DEPT. OF ECOLOGY - APPLE VALLEY ELEMENTARY SCHOOL
YAKIMA, WASHINGTON

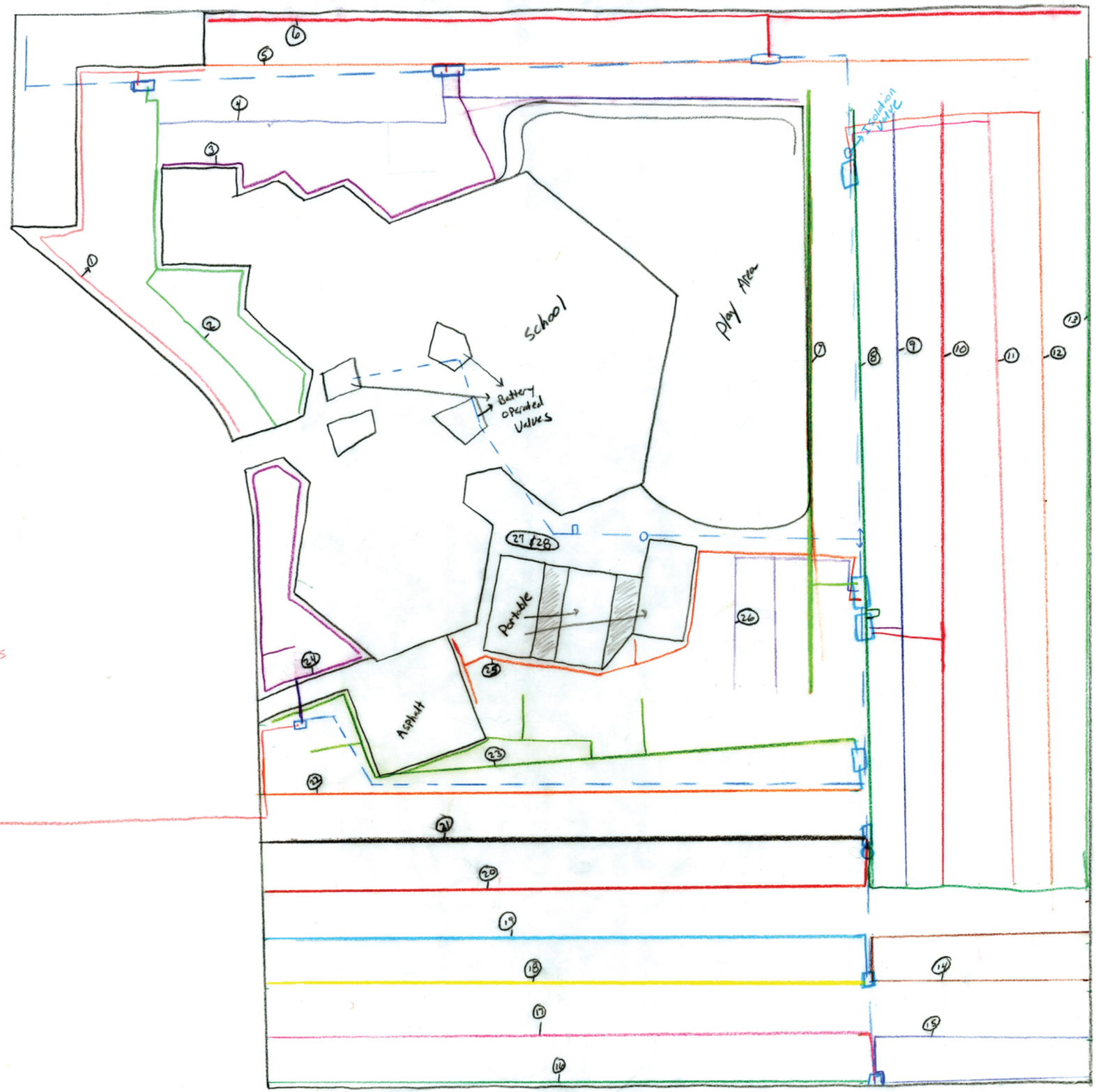
EARTHWORK CUT PLAN

SHEET 6 OF 13

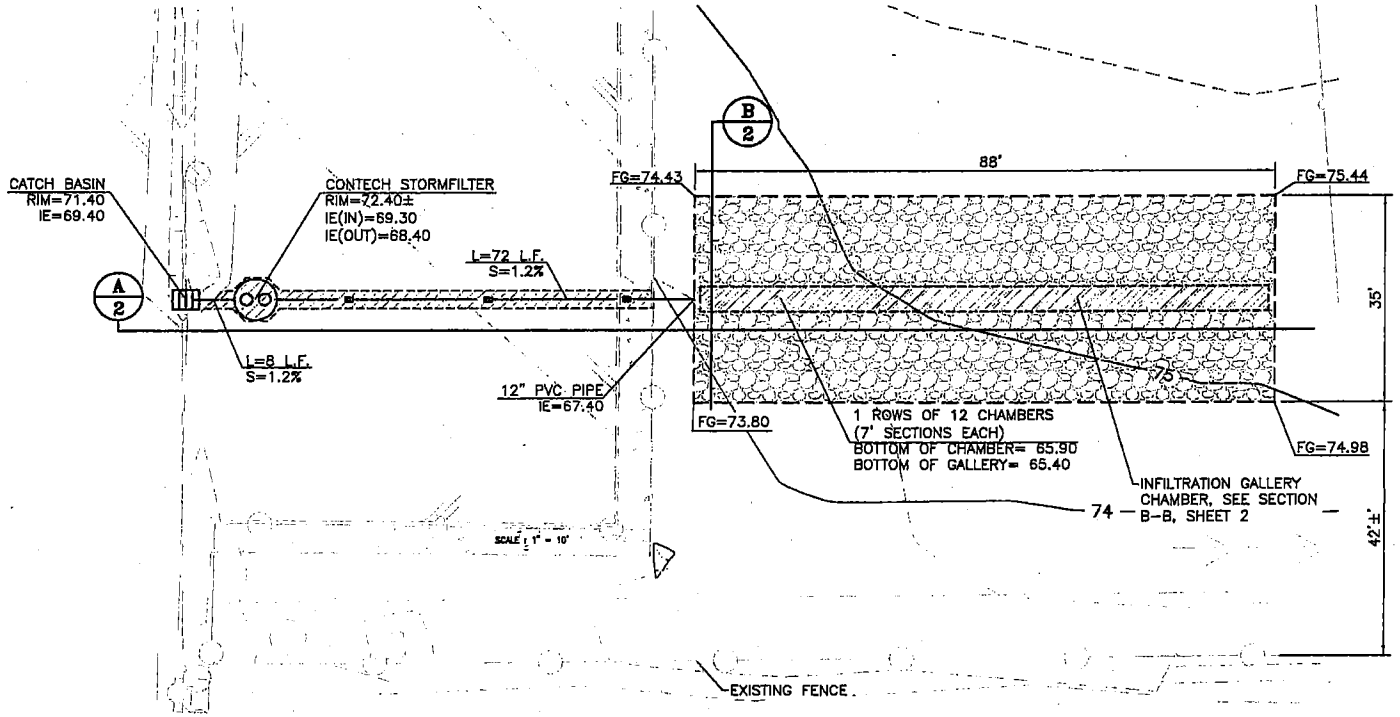
As Built
for Apple Valley School
Sprinkler System

Class 200 Lateral Lines
Schedule 40 Main Line
2" & 1½" RB Values Installed
All Sprinkler have 27'-32' Spacing

--- 4" Main Line
—— Lateral Line w/ Hunter I-20
—— " "
—— " "
—— " "
—— " "
—— " "
—— Drip Line to Dogwoods



Apple Valley School		
SCALE:	APPROVED BY:	DRAWN BY
DATE:		REVISED
		DRAWING NUMBER



INFILTRATION GALLERY PLAN 1

0 20' 40'
SCALE

7/16/12

GeoEngineers

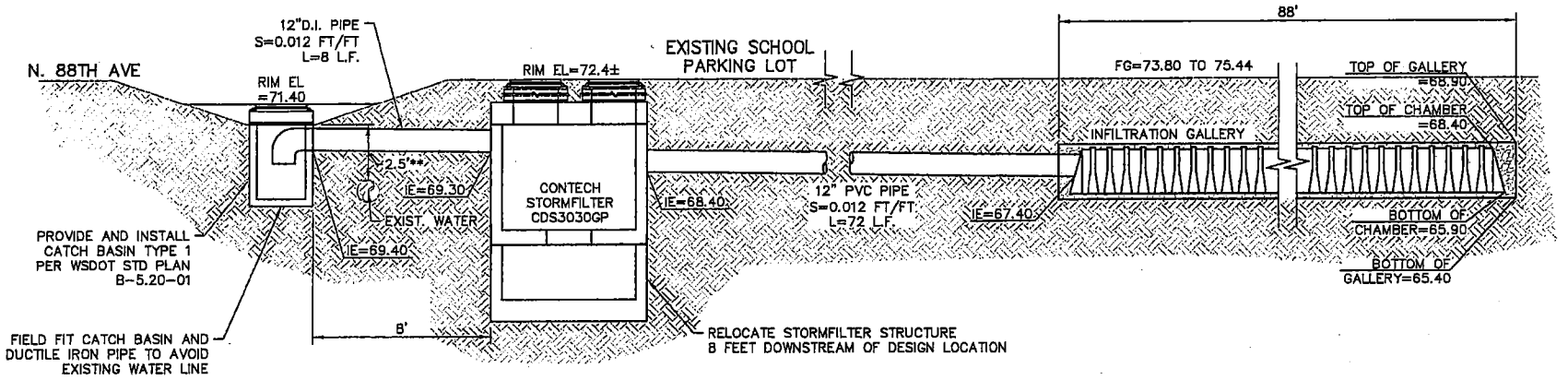
TD&H Engineering

DRAWN BY:	JCR
DESIGNED BY:	BNN
QUALITY CHECK:	BNN
DATE:	07/02/12
JOB NO.	512-013
FIELDBOOK	

DEPT. OF ECOLOGY - APPLE VALLEY ELEMENTARY SCHOOL
YAKIMA, WASHINGTON

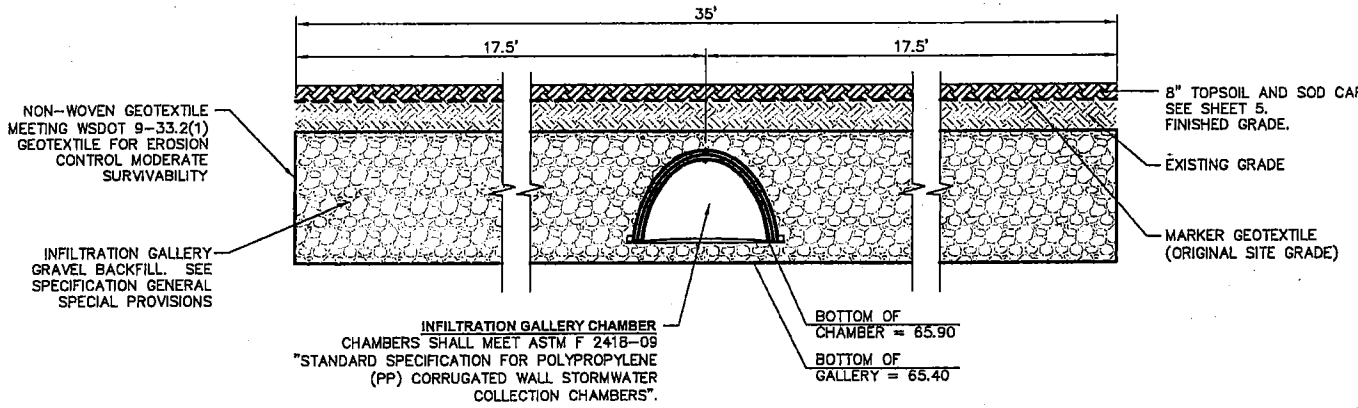
RFI - JULY 02, 2012

SHEET 1 OF 2



** NOTE: DIMENSION IS APPROXIMATE AND BASED ON INFORMATION PROVIDED BY CONTRACTOR. CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION

SECTION A-A
NOT TO SCALE (A)



SECTION B-B
NOT TO SCALE (B)

7/18/12

GeoEngineers

TD&H Engineering

DRAWN BY:	JCR
DESIGNED BY:	SNM
QUALITY CHECK:	SNM
DATE:	07/02/12
JOB NO.	512-013
FIELDBOOK	

DEPT. OF ECOLOGY - APPLE VALLEY ELEMENTARY SCHOOL
YAKIMA, WASHINGTON

RFI - JULY 02, 2012

SHEET 2 OF 2