Police Station / City Hall

City of Arlington

Arlington, Washington

GEOTECHNICAL AND
ENVIRONMENTAL
DATA

SCHREIBER & LANE
ARCHITECTS

Police Station / City Hall

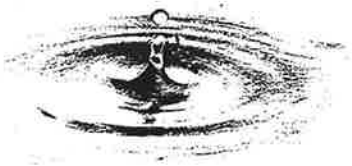
City of Arlington

Arlington, Washington

GEOTECHNICAL AND
ENVIRONMENTAL
DATA

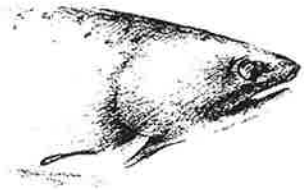
SCHREIBER & LANE
ARCHITECTS

Geotechnical Engineering



Water Resources

Solid and Hazardous Waste



Ecological/Biological Sciences

Geologic Assessments

Associated Earth Sciences, Inc.

Subsurface Exploration, Geologic Hazard, and Preliminary Geotechnical Engineering Report

ARLINGTON CIVIC CENTER

Arlington, Washington

Prepared for

City of Arlington

Project No. KE02153B
June 10, 2002

Associated Earth Sciences, Inc.

June 10, 2002
Project No. KE02153B

City of Arlington
238 Olympic Avenue
Arlington, Washington 98223

Attention: Mr. Iain Draper, P.E.

Subject: Subsurface Exploration, Geologic Hazard, and Preliminary Geotechnical Engineering Report
Arlington Civic Center
Arlington, Washington

Dear Mr. Draper:

We are pleased to present the enclosed copies of the above-referenced report. This report summarizes the results of our subsurface exploration, geologic hazard, and geotechnical engineering studies and offers recommendations for the preliminary design and development of the proposed project as currently envisioned. Our recommendations are preliminary in that definite building locations and/or construction details have not been developed at the time this report was prepared.

We have enjoyed working with you on this study and are confident that the recommendations presented in this report will aid in the successful completion of your project. If you should have any questions or if we can be of additional help to you, please do not hesitate to call.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

Kurt D. Merriman, P.E.
Senior Associate Engineer

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SUBSURFACE EXPLORATION, GEOLOGIC HAZARD, AND PRELIMINARY GEOTECHNICAL ENGINEERING REPORT

ARLINGTON CIVIC CENTER

Arlington, Washington

Prepared for:
City of Arlington
238 Olympic Avenue
Arlington, Washington 98223

Prepared by:
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
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425-827-7701
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June 10, 2002
Project No. KE02153B

I. PROJECT AND SITE CONDITIONS

1.0 INTRODUCTION

This report presents the results of our subsurface exploration, geologic hazard, and preliminary geotechnical engineering study for the proposed Arlington Civic Center project located in Arlington, Washington. (See the Vicinity Map, Figure 1.) Our recommendations are preliminary in that definite building locations and/or construction details have not been finalized at the time of this report. The approximate locations of the explorations accomplished for this study are presented on the Site and Exploration Plan, Figure 2. The site features shown on Figure 2 are based on an undated conceptual development site plan provided by the City of Arlington. This plan represents the conceptual development plan as it existed at the time of this writing. In the event that any changes in the nature, design, or location of the structures are planned, the conclusions and recommendations contained in this report should be reviewed and modified, or verified, as necessary.

1.1 Purpose and Scope

The purpose of this study was to provide subsurface data to be utilized in the preliminary design and development of the above-referenced project. Our study included a review of available literature, drilling of exploration borings, and performing geologic studies to assess the type, thickness, distribution, and physical properties of the subsurface sediments, and ground water conditions. Geologic hazard evaluations and geotechnical engineering studies were also conducted to determine suitable geologic hazard mitigation techniques, the type of suitable foundation, allowable foundation soil bearing pressures, anticipated settlements, basement/retaining wall lateral pressures, floor support recommendations, and drainage considerations. This report summarizes our current geotechnical fieldwork and offers geotechnical hazard mitigation and development recommendations based on our present understanding of the project. Associated Earth Sciences, Inc. (AESI) also performed environmental work for the project. Separate reports have been prepared that present the environmental data and conclusions related to this site.

1.2 Authorization

Written authorization to proceed with this study was granted by Mr. Iain Draper of the City of Arlington, Washington on May 3, 2002. Our study was accomplished in general accordance with our scope of work letter dated May 10, 2002. This report has been prepared for the exclusive use of the City of Arlington, Washington and its agents, for specific application to this project. Within the limitations of scope, schedule, and budget, our services have been performed in accordance with generally accepted geotechnical engineering and engineering geology practices in effect in this area at the time our report was prepared. No other warranty,

express or implied, is made. Our observations, findings, and opinions are a means to identify and reduce the inherent risks to the City.

2.0 PROJECT AND SITE DESCRIPTION

This report was completed with an understanding of the project based on a conceptual development site plan provided by the City of Arlington, discussions with Vic Associates, discussions with Mr. Draper of the City of Arlington, Washington, a site reconnaissance, and our familiarity with previous geotechnical work performed in the area. Conceptual plans call for the construction of a new City Hall, police station, library, a public plaza, a memorial park, retail buildings, and associated utility and parking improvements. The conceptual development site plan provided to us shows the proposed new City Hall and police station building near the northeast site corner, south of the existing City Hall building. The library is planned for an area along the east side of the site between 1st and 2nd Streets. A public plaza is anticipated to be near the west side of the site near 1st Street. Various paved parking lots are planned for the west side of the site. A new retail building is planned near the east side of the site near 2nd Street. The City of Arlington has indicated that all the structure locations are conceptual at the time this report was written and that the structure locations are subject to relocation as the design process proceeds.

The project site consists of an approximately 3-block square area located south of 3rd Street, north of Maple Street, west of Olympic Avenue, and east of the Burlington Northern Santa Fe Railroad tracks. The area currently is occupied by City Hall in the northeast corner, various paved and gravel-covered parking lots in the northwest corner and middle portions of the site, and grass and landscape-covered park areas near the west central and southwest corners. There are retail buildings across the streets to the north, east, and south of the site. There is a gas station and bulk fueling facility near the southeast site corner, adjacent to the site. The site is nearly level with minimal relief. Based on our visual estimate, there is a total elevation change across the site of approximately 5 feet.

3.0 SUBSURFACE EXPLORATION

AESI completed a subsurface exploration program consisting of 12 exploration borings between May 13 and May 17, 2002 to gain subsurface information about the site. The various types of soils, as well as the depths where characteristics of the soils changed, are indicated on the exploration logs presented in the Appendix. The depths indicated on the logs where conditions changed may represent gradational variations between soil types. Our explorations were approximately located in the field by measuring from known site features and are shown on Figure 1.

The conclusions and recommendations presented in this report are based, in part, on the 12 exploration borings completed for this study. The number, location, and depth of the explorations were completed within site constraints. The boring locations were picked to produce both general site information and area-specific information based on the proposed site layout. Changes to the site layout may require the completion of additional subsurface explorations. Because of the nature of exploratory work below ground, extrapolation of subsurface conditions between field explorations is necessary. It should be noted that differing subsurface conditions may be present due to the random nature of deposition and the alteration of topography by past grading and/or filling. The nature and extent of any variations between the field explorations may not become fully evident until construction. If variations are observed at that time, it may be necessary to re-evaluate specific recommendations in this report and make appropriate changes.

3.1 Exploration Borings

The 12 exploration borings were advanced with either a trailer-mounted, Mobile B24 drill rig or a truck-mounted Mobile B61 drill rig. The borings permitted limited visual observation of subsurface conditions. Ten of the exploration borings were backfilled with bentonite immediately after examination and logging. Two of the borings had ground water monitoring wells installed in them and their construction details are shown on the attached boring logs. Disturbed but representative samples were obtained from the exploration borings using the Standard Penetration Test (SPT) procedure in accordance with ASTM:D 1586. This test and sampling method consists of driving a standard 2-inch outside-diameter, split-barrel sampler a distance of 18 inches into the soil with a 140-pound hammer free-falling a distance of 30 inches. The number of blows for each 6-inch interval is recorded and the number of blows required to drive the sampler the final 12 inches is known as the Standard Penetration Resistance ("N") or blow count. If a total of 50 is recorded within one 6-inch interval, the blow count is recorded as the number of blows for the corresponding number of inches of penetration. The resistance, or N-value, provides a measure of the relative density of granular soils or the relative consistency of cohesive soils; these values are plotted on the attached boring logs.

Materials encountered in the exploration borings were studied and classified in the field by an engineering geologist from our firm. Soil samples from the borings were transported to our geotechnical laboratory for further visual classification and testing, as necessary. The boring logs are attached to this report in the Appendix.

4.0 SUBSURFACE CONDITIONS

Subsurface conditions at the project site were inferred from the field explorations completed for this study, visual reconnaissance of the site, and review of applicable geologic literature.

As shown on the boring logs, the exploration borings generally encountered a variable thickness of fill over a lower density, sandy, upper recessional outwash deposit over a higher density, gravelly, lower recessional outwash deposit. The following section presents more detailed subsurface information organized from the youngest (shallower) to the oldest (deeper) soil types.

4.1 Stratigraphy

Fill

Fill was encountered to a depth of between 1 and 8 feet below the surface in all of the borings with an average depth of about 5 feet. The fill was variable in both its density and its makeup but generally consisted of sand and gravel that appeared to have been derived from the local recessional outwash deposit. The density of the fill ranged from very loose to dense with blow counts or "N" values between 3 and 47. The existing fill is not considered suitable for building support without prior remedial improvement or replacement. Parking lots and lightweight structures such as small signs, decorative landscaping walls, and sidewalks may be supported by the fill if it is compacted, or localized loose areas are overexcavated and replaced with structural fill. Generally, the material appeared suitable for reuse as structural fill if deleterious materials such as timbers, large concrete rubble, organics, boulders, cobbles, or any other encountered debris are removed.

Vashon Recessional Outwash (Arlington Member)

Natural soils below the fill consisted of sand and gravel interpreted to be a Vashon age recessional outwash deposit. The sand and gravel appears to have been deposited by water emanating from melting and retreating glacial ice during the later portions of the Vashon Stade of the Fraser Glaciation (approximately 9,000 years ago). There were two distinct types of sediments encountered in the outwash deposit: a shallow, lower density, sandy sediment (upper alluvium) and a deeper, higher density, gravelly sediment (lower alluvium).

Upper Alluvium

The upper portion of the deposit generally consisted of fine to coarse sand containing trace to little amounts of silt and trace to few amounts of gravel. The upper sand had blow counts or "N" values between 3 and 16. The upper portion of the recessional outwash deposit was encountered in all of the borings except EB-9 and EB-10 and was encountered at depths of between 2 and 9 feet below the surface, underlying the fill. The upper, sandy portion of the recessional outwash is suitable for building support after remedial improvement or replacement. Parking lots and lightweight structures such as small signs, decorative landscaping walls, and sidewalks may also be supported by the upper, sandy recessional

outwash if it is compacted or localized loose areas are overexcavated and replaced with structural fill. The material appeared suitable for reuse as structural fill.

Lower Alluvium

The lower portion of the recessional outwash deposit was primarily a dense to very dense sand containing variable amounts of gravel and trace to few amounts of silt. There were also some areas of gravel containing trace to few amounts of sand and silt. The lower, denser portion of the outwash deposit was encountered below the upper portion in all of the borings except EB-9 and EB-10, where it was encountered directly below the fill. With the exception of borings EB-5, EB-6, and EB-7, the lower portion of the recessional outwash deposit had blow counts or "N" values between 33 and greater than 50. Blow counts or "N" values in the lower portion of the recessional outwash deposit encountered in borings EB-5, EB-6, and EB-7 ranged from 15 to 29. The lower portion of the recessional outwash appears suitable for direct foundation support and for reuse as structural fill.

The soil conditions encountered in our explorations are consistent with the published geologic mapping of the area. In particular, we reviewed the United States Geological Survey (USGS) map entitled: *Distribution and Description of the Geologic Units in the Arlington West Quadrangle, Washington,* prepared by Booth, dated 1980. This map shows the project site to be underlain by the Arlington member of the Vashon recessional outwash deposit.

4.2 Hydrology

We did not encounter ground water in any of the exploration borings or the two wells installed at the site. The deepest boring, EB-11, was drilled to 49 feet below the surface and it, along with the other borings, exhibited no signs of free water and no insignificant signs of past saturation, such as mottling or iron oxide staining. Ground water elevations may change due to on- or off-site activities or variations in the amount of precipitation. We recommend that the water levels in the two wells be monitored periodically to establish seasonal high ground water elevations.

II. GEOLOGIC HAZARDS AND MITIGATIONS

The following discussion of potential geologic hazards is based on the geologic conditions as observed and discussed herein.

5.0 SLOPE STABILITY HAZARDS AND RECOMMENDED MITIGATION

There are no steep slopes within the project vicinity. Consequently, the risk of earth movement on the subject property is low due to the site's relatively flat topography and no earth movement mitigation is needed.

6.0 SEISMIC HAZARDS AND RECOMMENDED MITIGATION

Earthquakes occur in the Puget Sound Lowland with great regularity. The vast majority of these events are small and are usually not felt by people. However, large earthquakes do occur as evidenced by the 1949, 7.2-magnitude event, the 1965, 6.5-magnitude event, and the 2001, 6.8-magnitude event. The 1949 earthquake appears to have been the largest in this area during recorded history. Evaluation of return rates indicates that an earthquake of the magnitude between 6.0 and 7.0 is likely every 25 to 40 years in the Puget Sound Basin.

Generally, there are four types of potential geologic hazards associated with large seismic events: 1) surficial ground rupture; 2) seismically induced landslides; 3) liquefaction; and 4) ground motion. The potential for each of these hazards to adversely impact the proposed project is discussed below.

6.1 Surficial Ground Rupture

Generally, the largest earthquakes that have occurred in the Puget Sound area are sub-crustal events with epicenters ranging from 50 to 70 kilometers in depth. For this reason, no surficial faulting or earth rupture, as a result of deep, seismic activity has been documented, to date, in the area of the subject site. Therefore, it is our opinion, based on existing geologic data, that the risk of surface rupture impacting the proposed project is low and no surficial ground rupture mitigation is needed.

6.2 Seismically Induced Landslides

There are no steep slopes within the project vicinity. Consequently, the risk of seismically induced landsliding on the subject property is low due to the site's relatively flat topography and no seismically induced landslide mitigation is needed.

6.3 Liquefaction

The relatively high density of the site sediments, the grain sizes of the sediments, and the lack of near-surface ground water indicates that the risk of liquefaction is low and no liquefaction mitigation is needed.

6.4 Ground Motion

The project site is located within a Zone 3 rating for seismic activity on a scale of 1 (lowest) to 4 (highest) based on the *Seismic Zone Map of the United States*, Figure No. 16-2 in the 1997 edition of the *Uniform Building Code* (UBC). This zonation is based on past earthquake activity in the Puget Sound region. As such, design recommendations should accommodate the possible effect of seismic activity in areas with a Zone 3 rating, corresponding to a peak ground acceleration of 0.3g (Z=0.3), in accordance with UBC guidelines, using soil type S_D.

7.0 EROSION HAZARDS AND MITIGATION

To mitigate and reduce the erosion hazard and potential for off-site soil transport during construction, we recommend the following:

1) All storm water from impermeable surfaces should be tightlined into an approved storm water drainage system or temporary storage facilities.

2) To reduce the amount of soil transport, silt fences should be placed along the lower site margins.

3) Construction should proceed during the drier periods of the year or if wintertime construction is anticipated, a temporary erosion and sediment control plan should be prepared.

4) Soils to be reused around the site should be stored in such manner as to reduce erosion from the stockpile. Protective measures may include, but are not necessarily limited to, covering with plastic sheeting, or the use of straw bales/silt fences around pile perimeters.

III. PRELIMINARY DESIGN RECOMMENDATIONS

8.0 INTRODUCTION

Our exploration indicates that from a geotechnical standpoint, the parcel is suitable for the proposed development provided the risks discussed are accepted and the recommendations contained herein are properly followed. The bearing stratum of dense to very dense lower recessional outwash deposits occurs at approximately 1 to 9 feet below the ground surface. Conventional spread footing foundations, which bear on the dense to very dense lower recessional outwash deposit or recompacted existing fill and/or the properly prepared upper recessional outwash deposit, may be used for building support. Alternately, shallow pier foundations or Geopiers® could be used for building support in areas where there are deeper areas of fill or deeper deposits of the upper, looser recessional outwash.

9.0 SITE PREPARATION

Site preparation of planned building, road, and parking areas should include removal of any trees, brush, debris, and any other deleterious material. Additionally, any upper organic topsoil, such as in the park areas, should be removed and the remaining roots grubbed. Areas where loose surficial soils exist due to grubbing or demolition operations should be considered as uncontrolled fill to the depth of disturbance and treated as subsequently recommended for structural fill placement. Since the density of the upper portions of the soil at the site is highly variable, random soft pockets may exist at the planned foundation depths. Therefore, the depth and extent of stripping can best be determined in the field by the geotechnical engineer or his representative.

We recommend that road and parking areas be proof-rolled with a loaded, tandem-axle dump truck to identify any soft spots. Soft areas or areas of deleterious fill identified by the proof-rolling should be overexcavated and backfilled with structural fill.

In our opinion, stable construction slopes should be the responsibility of the contractor and should be determined during construction. For estimating purposes, we anticipate that temporary, unsupported cut slopes in the loose to medium dense fill and both the upper and lower portions of the recessional outwash sand and gravel can be made at a maximum slope of 1½H:1V (Horizontal:Vertical). As is typical with earthwork operations, some sloughing and raveling may occur and cut slopes may have to be adjusted in the field. In addition, WISHA/OSHA regulations should be followed at all times.

10.0 STRUCTURAL FILL

All references to structural fill in this report refer to subgrade preparation, fill type, and placement and compaction of materials as discussed in this section. If a percentage of compaction is specified under another section of this report, the value given in that section should be used.

Construction plans are preliminary at this stage and do not include site grading information. However, placement of structural fill may be necessary in order to achieve the desired site grades. After stripping, planned excavation and any required overexcavation have been performed to the satisfaction of the geotechnical engineer or his representative, the upper 12 inches of exposed ground in building areas or areas to receive fill should be recompacted to at least 90 percent of the modified Proctor maximum density using ASTM:D 1557 as the standard. The near-surface sandy soils are currently near or below optimum moisture content for compaction. During the drier summer months, these soils may dry out and require moisture conditioning. However, if the subgrade contains too much moisture, adequate recompaction may be difficult or impossible to obtain, and should probably not be attempted before allowing the subgrade to dry/drain adequately.

After the recompacted, exposed ground is tested and approved, structural fill may be placed to attain desired grades. Structural fill is defined as non-organic soil, acceptable to the geotechnical engineer, placed in maximum 8-inch loose lifts with each lift being compacted to at least 95 percent of the modified Proctor maximum density using ASTM:D 1557 as the standard. The majority of the on-site soils are suitable for use as structural fill. Any large-sized particles such as cobbles and boulders along with organics and debris should be separated out of the existing fill prior to its reuse as structural fill. The long dimension of cobbles and boulders should not exceed the loose lift thickness of the placed fill. In the case of utility trench filling, the backfill should be placed and compacted in accordance with current Arlington codes and standards if the codes exceed these recommendations. The top of the compacted fill should extend horizontally outward a minimum distance of 3 feet beyond the location of the perimeter footings before sloping down at an angle of 2H:1V.

The contractor should note that any proposed fill soils must be evaluated by AESI prior to their use in fills. This would require that we have a sample of the material 72 hours in advance of filling activities to perform a Proctor test and determine its field compaction standard. Soils in which the amount of fine-grained material (smaller than the No. 200 sieve) is greater than approximately 5 percent (measured on the minus No. 4 sieve size) should be considered moisture-sensitive. Use of moisture-sensitive soil in structural fills should be limited to favorable dry weather conditions. The on-site soils generally contained about 5 percent silt. As such, some of the site soils may be considered moderately moisture-sensitive. In addition,

construction equipment traversing the site when the soils are wet can cause considerable disturbance. If fill is placed during wet weather or if proper compaction cannot be obtained, a select import material consisting of a clean, free-draining gravel and/or sand should be used. Free-draining fill consists of non-organic soil with the amount of fine-grained material limited to 5 percent by weight when measured on the minus No. 4 sieve fraction with at least 25 percent retained on the No. 4 sieve.

A representative from our firm should observe the stripped subgrade and be present during placement of structural fill to observe the work and perform a representative number of in-place density tests. In this way, the adequacy of the earthwork may be evaluated as filling progresses, and any problem areas may be corrected at that time. It is important to understand that taking random compaction tests on a part-time basis will not assure uniformity or acceptable performance of a fill. As such, we are available to aid the owner in developing a suitable monitoring and testing frequency.

11.0 FOUNDATIONS

Since development plans are conceptual, it is likely the individual buildings will vary in construction types, structural loads, and lower floor or basement elevations. In addition, there is some variability in near-surface soil conditions. Consequently, specific foundation type and support recommendations should be provided for individual structures. The following report sections present several foundation support methods and remedial subgrade improvement/ replacement options.

11.1 Spread Footings (Overexcavation and Replacement Option)

Spread footings may be utilized for building support when founded either directly on the dense to very dense, lower portion of the recessional outwash sand and gravel deposit or structural fill that extends down to at least medium dense sand and gravel. Structural fill should conform to that described under the *Site Preparation* and *Structural Fill* sections of this report. In areas of deep, existing unengineered fill and loose, upper recessional outwash sand, the upper loose soils can be removed. Once the lower, at least medium dense recessional outwash sand and gravel is reached, the base of the resulting excavation can be compacted. The excavated area can then be brought to the desired footing subgrade elevation with compacted lifts of the removed fill and/or upper recessional outwash sand as described under the *Site Preparation* and *Structural Fill* sections of this report.

Structural fill placed below footings must extend a minimum of 3 feet beyond the edges of the footings. We recommend that an allowable bearing pressure of 3,000 pounds per square foot (psf) be utilized for design purposes, including both dead and live loads. This bearing pressure is applicable for footings founded either directly upon at least medium dense outwash sand and gravel, or on new structural fill placed as described above. An increase of one-third may be used for short-term wind or seismic loading. Perimeter footings for the proposed buildings should be buried a minimum of 18 inches into the surrounding soil for frost protection. No minimum burial depth is required for interior footings, but all footings must penetrate to the prescribed stratum and no footings should be founded in or above loose, organic, or existing fill soils. All footings should have a minimum width of 14 inches for one-story structures, 16 inches for two-story structures, and 18 inches for three story-structures.

It should be noted that the area bounded by lines extending downward at 1H:1V from any footing must not intersect another footing or intersect a filled area which has not been compacted to at least 95 percent of ASTM:D 1557. In addition, a 1.5H:1V line extending down from any footing must not daylight because sloughing or raveling may eventually undermine the footing. Thus, footings should not be placed near the edge of steps or cuts in the bearing soils.

Anticipated settlement of footings founded as described above should be on the order of ¾ inch. However, disturbed soil not removed from footing excavations prior to footing placement could result in increased settlements. All footing areas should be inspected by AESI prior to placing concrete to verify that the design bearing capacity of the soils has been attained and that construction conforms to the recommendations contained in this report. Such inspections may be required by the City of Arlington. Perimeter footing drains should be provided as discussed under the section on *Drainage Considerations*.

11.2 Spread Footings (Rock Trenches)

It may not be economical to either extend the building footings down to the suitable bearing soils (lower dense to very dense recessional outwash sand and gravel) or to overexcavate and replace entire building footprints. If these two support options are economically impracticable, then rock trenches extended down to the dense to very dense portion of the recessional outwash sand and gravel may be used as a foundation support option.

The rock trenches should have a minimum width of 4 feet (or as designated by the field engineer/engineering geologist) and be excavated down to the dense to very dense lower portion of the recessional outwash deposit. Because of the potential for caving, the actual trench width may be greater than specified. Caving can be reduced by filling the trenches with rock as the excavation proceeds with a large, track-mounted backhoe. In order to reduce

disturbance of the bearing soils exposed in the trench, we strongly recommend that the contractor use an excavator with a flat digging edge or cover the teeth of the backhoe bucket with a digging plate.

The geotechnical engineer/engineering geologist must be present on a full-time basis during rock trench excavation and filling, to determine when suitable bearing has been achieved and to verify proper rock placement. The depths of the trenches will be variable and are expected to be up to approximately 9 feet in depth.

After the bearing stratum has been reached, the trench should be immediately backfilled. We recommend the use of "railroad ballast" or 2- to 4-inch crushed rock (quarry spalls) for backfill. The clean crushed rock must be tamped into place to achieve a consolidated mass. Tamping may be accomplished with either a "Hoepac" type compactor mounted on an excavator or more typically, with the bucket of the trackhoe itself. Staging areas should be maintained so that the rock is not contaminated by mud prior to placement in the trench. Equipment access to trench locations should also be maintained.

Spread footings may then be used for building support when placed over properly constructed rock trenches that bear on the dense sand and gravel. Footings that bear on approved rock trenches may be designed for an allowable bearing pressure of 3,000 psf including both dead and live loads. An increase of one-third may be used for short-term wind or seismic loading. All rock trenches must penetrate to the prescribed bearing stratum and no trenches should be founded in or above loose or organic soils. In addition, all footings must be centered over the trenches and have a minimum width of 14 inches for one-story structures, 16 inches for two-story structures, or 18 inches for three-story structures.

Anticipated settlement of footings founded on approved rock trenches should be on the order of ¾ inch. However, disturbed material not removed from footing trenches prior to footing placement could result in increased settlements. All footing areas should be inspected by AESI prior to placing concrete to verify that the rock trenches are undisturbed and construction conforms with the recommendations contained in this report. Such inspections may be required by the City of Arlington. Perimeter footing drains should be provided as discussed under the section on *Drainage Considerations*.

11.3 Short Aggregate Piers (Geopiers®)

Because the existing fill may be considered too deep to economically remove and replace and too shallow for conventional pile foundations, short aggregate piers (Geopiers®) are recommended for support of planned foundations. Geopiers® are constructed by creating a drilled cavity in the matrix soil and filling the cavity with aggregate that is densely compacted

in thin lifts. The compaction typically induces densification in the surrounding matrix soil, and aggregate volumes in excess of the initial cavity volume are expected. Geopiers® are installed along continuous foundation bearing walls and at spread foundation locations, and may be installed beneath slab-on-grade floor areas, if needed. Following installation of Geopiers®, the site is finish graded and conventional shallow foundations are constructed above the Geopiers®. The pier subcontractor in conjunction with the project structural engineer should provide the final spacing, depths, and diameters of the Geopiers®. For project planning purposes, we recommend that the building foundations be designed for an allowable soil bearing pressure of 3,000 psf above properly completed Geopiers®.

Anticipated settlement of footings founded on approved Geopiers® should be on the order of ¾ inch or less. However, disturbed material not removed from footing trenches prior to footing placement could result in increased settlements. All footing areas should be inspected by AESI prior to placing concrete to verify that the Geopiers™ are undisturbed and construction conforms with the recommendations contained in this report. Such inspections may be required by the City of Arlington. Perimeter footing drains should be provided as discussed under the section on *Drainage Considerations*.

It should be noted that the area bounded by lines extending downward at 1H:1V from any footing must not intersect another footing or intersect a filled area that has not been compacted to at least 95 percent of ASTM:D 1557. In addition, a 1.5H:1V line extending down from any footing must not daylight because sloughing or raveling may eventually undermine the footing. Thus, footings should not be placed near the edge of steps or cuts in the bearing soils.

12.0 LATERAL WALL PRESSURES

Finished floor elevations were not provided, and it is unknown if retaining walls will be needed for the proposed construction. However, in accordance with our proposal, we have provided the following general recommendations for backfilled subsurface retaining walls should the project include basements or below-grade parking structures.

All backfill behind walls or around foundation units should be placed as per our recommendations for structural fill and as described in this section of the report. Horizontally backfilled walls, which are free to yield laterally at least 0.1 percent of their height, may be designed using an equivalent fluid equal to 35 pcf. Fully restrained, horizontally backfilled rigid walls, which cannot yield, should be designed for an equivalent fluid of 50 pcf. If parking areas are adjacent to walls, a surcharge equivalent to 2 feet of soil should be added to the wall height in determining lateral design forces.

The lateral pressures presented above are based on the conditions of a uniform backfill consisting of the on-site sand and gravel, compacted to 90 percent of ASTM:D 1557. A higher degree of compaction is not recommended, as this will increase the pressure acting on the wall. A lower compaction may result in settlement of structures, utilities, or pavements placed above the walls. Thus, the amount of compaction is critical and must be tested by our firm during placement. Surcharges from adjacent footings, heavy construction equipment, or sloping ground must be added to the above values. Perimeter footing drains should be provided for all retaining walls as discussed under the section on *Drainage Considerations*.

It is imperative that proper drainage be provided so that hydrostatic pressures do not develop against the wall. In addition, the walls should be lined with a minimum 12-inch-thick, free-draining washed gravel blanket or lined with a drainage mat such as Mira-Drain 6000 over the full height of the wall (excluding the first 1 foot below the surface).

12.1 Passive Resistance and Friction Factors

Lateral loads can be resisted by friction between the foundation and the natural alluvial soils or supporting structural fill, or by passive earth pressure acting on the buried portions of the foundations. The foundations must be backfilled with structural fill, compacted to at least 95 percent of the maximum dry density, to achieve the passive resistance provided below. We recommend the following design parameters:

- Passive equivalent fluid = 250 pcf
- Coefficient of friction = 0.35

The above values include a safety factor of 1.5.

13.0 DRAINAGE CONSIDERATIONS

The on-site surficial soils will likely provide good drainage during heavy precipitation events. However, some method should be in place to contain storm water runoff and discharge it to a suitable collection system during the earthwork portion of construction in the event that runoff does occur. Therefore, prior to site work and during construction, the contractor should be prepared to provide temporary storm water storage or discharge mechanisms as necessary.

All retaining and footing walls should be provided with a drain at the footing elevation. Drains should consist of rigid, perforated, PVC pipe surrounded by washed pea gravel. The level of the perforations in the pipe should be set at the bottom of the footing at all locations and the drains should be constructed with sufficient gradient to allow gravity discharge away from the

building. In addition, all retaining walls should be adequately drained as described in Section 12.0. Roof and surface runoff should not discharge into the footing drain system but should be handled by a separate, rigid, tightline drain. In planning, exterior grades adjacent to walls should be sloped downward away from the structure to achieve surface drainage.

14.0 PAVEMENT RECOMMENDATIONS

We anticipate that any new paving will be at or near the existing site grades. Site preparation for areas to be paved should consist of removing any existing vegetation, topsoil, and loose/soft upper soils and grading to the proposed new subgrade elevation. The density of the upper soils is variable and random loose/soft areas may exist and can be determined in the field by the geotechnical engineer or engineering geologist. After the area to be paved is graded, the exposed ground should be proof-rolled with a loaded, tandem-axle dump truck to identify any soft spots. Soft areas identified by the proof-rolling should be overexcavated and backfilled with structural fill compacted to at least 95 percent of ASTM:D 1557. In addition, the subgrade should be sloped to drain.

Once the soft/loose areas have been filled and compacted, the upper 12 inches of soil in the entire area to be paved should also be compacted to at least 95 percent of ASTM:D 1557. Upon completion of the proof-rolling and compaction the recommended minimum pavement section in normal traffic and parking areas is 3 inches of asphalt concrete pavement (ACP) underlain by 4 inches of 5/8-inch crushed surfacing top course. Areas of heavier traffic volumes or frequent truck traffic may require a thicker pavement section. If required, this information can be provided as design proceeds.

15.0 PROJECT DESIGN AND CONSTRUCTION MONITORING

At the time of this report, site grading, structural plans, and construction methods have not been developed. Therefore, the recommendations presented herein are preliminary. We are available to provide additional geotechnical consultation as the project design develops and possibly changes from that upon which this report is based. We recommend that AESI perform a geotechnical review of the plans prior to final design completion. In this way, our earthwork and foundation recommendations may be properly interpreted and implemented in the design. This review is not included in the current scope of work and budget.

We are also available to provide geotechnical engineering and monitoring services during construction. The integrity of the foundation depends on proper site preparation and construction procedures. In addition, engineering decisions may have to be made in the field

in the event that variations in subsurface conditions become apparent. Construction monitoring services are not part of this current scope of work. If these services are desired, please let us know and we will prepare a proposal.

We have enjoyed working with you on this study and are confident that these recommendations will aid in the successful completion of your project. If you should have any questions, or require further assistance, please do not hesitate to call.

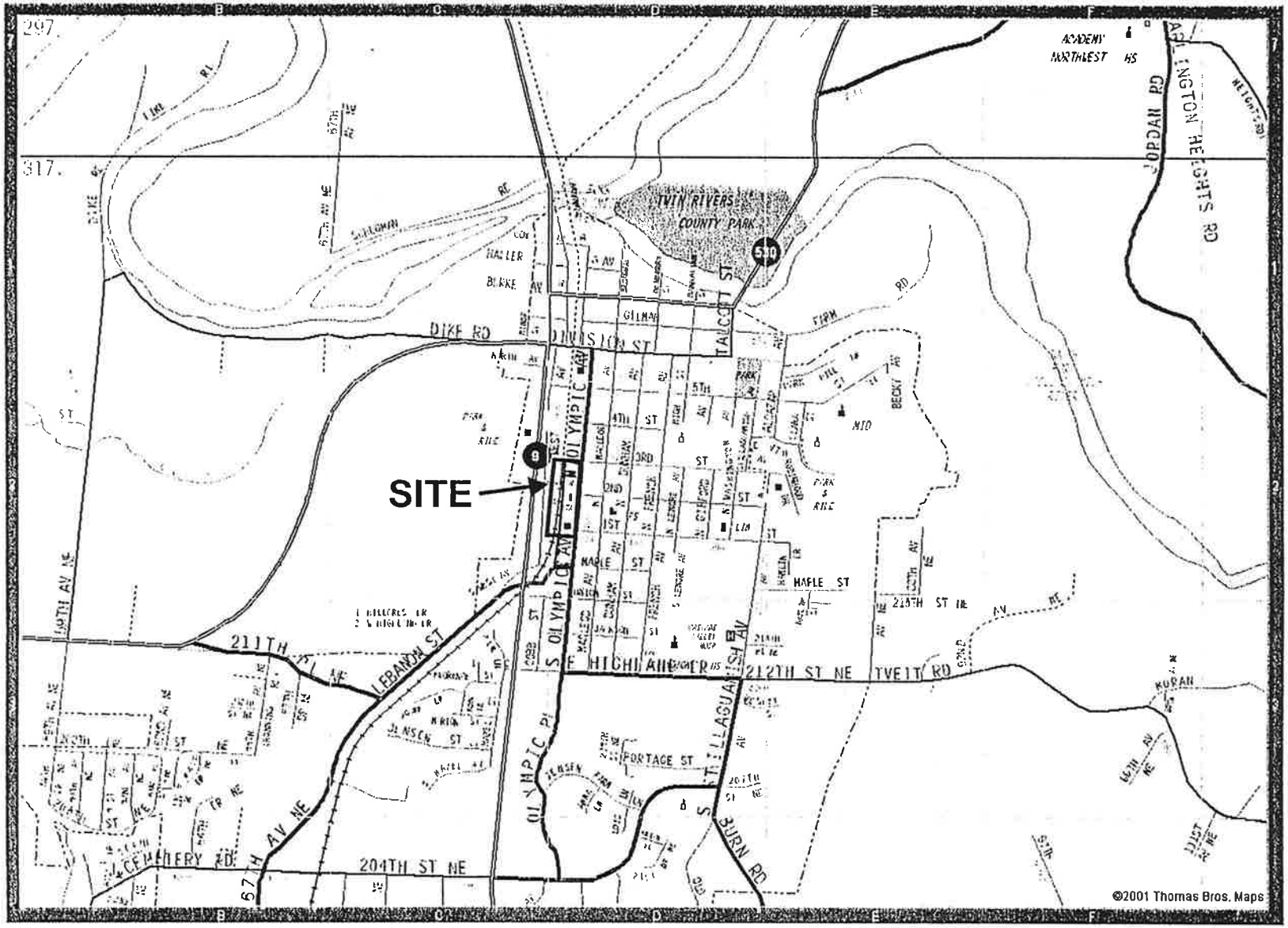
Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

John Coleman, P.G.
Project Geologist

Jon N. Sondergaard, P.G.
Associate Geologist

Kurt D. Merriman, P.E.
Senior Associate Engineer

Attachments: Figure 1: Vicinity Map
Figure 2: Site and Exploration Plan
Appendix: Exploration Logs



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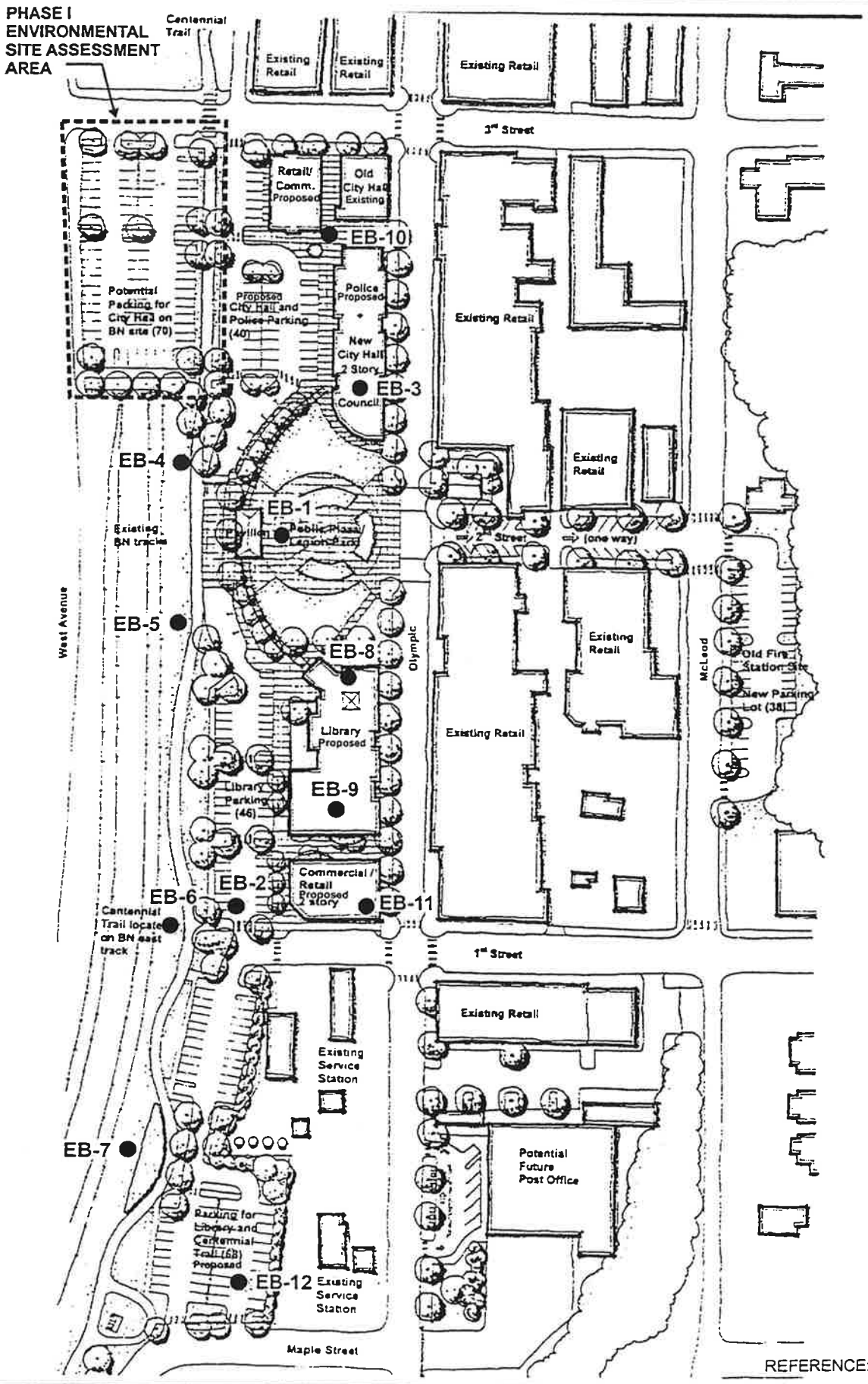
VICINITY MAP
ARLINGTON CIVIC CENTER
ARLINGTON, WASHINGTON

FIGURE 1

DATE 6/02

PROJ. NO. KE02153B

02153 arlington civic center\02153-vicinity cdr page2



REFERENCE: BASE MAP PROVIDED BY CLIENT.

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SITE AND EXPLORATION PLAN
ARLINGTON CIVIC CENTER
ARLINGTON, WASHINGTON

FIGURE 2

DATE 6/02

PROJ. NO. KE02153B

U2153 arlington civic center\02153-geotechsite cdr page1

APPENDIX

Coarse-Grained Soils - More than 50%[1] Retained on No. 200 Sieve	Gravels - More than 50%[1] of Coarse Fraction Retained on No. 4 Sieve	≤5% Fines[5]	GW	Well-graded gravel and gravel with sand, little to no fines
			GP	Poorly-graded gravel and gravel with sand, little to no fines
		≥15% Fines[5]	GM	Silty gravel and silty gravel with sand
			GC	Clayey gravel and clayey gravel with sand
	Sands - 50%[1] or More of Coarse Fraction Passes No. 4 Sieve	≤5% Fines[5]	SW	Well-graded sand and sand with gravel, little to no fines
			SP	Poorly-graded sand and sand with gravel, little to no fines
		≥15% Fines[5]	SM	Silty sand and silty sand with gravel
			SC	Clayey sand and clayey sand with gravel
Fine-Grained Soils - 50%[1] or More Passes No. 200 Sieve	Silts and Clays Liquid Limit Less than 50		ML	Silt, sandy silt, gravelly silt, silt with sand or gravel
			CL	Clay of low to medium plasticity; silty, sandy, or gravelly clay, lean clay
			OL	Organic clay or silt of low plasticity
	Silts and Clays Liquid Limit 50 or More		MH	Elastic silt, clayey silt, silt with micaceous or diatomaceous fine sand or silt
			CH	Clay of high plasticity, sandy or gravelly clay, fat clay with sand or gravel
			OH	Organic clay or silt of medium to high plasticity
Highly Organic Soils			PT	Peat, muck and other highly organic soils

Terms Describing Relative Density and Consistency

	Density	SPT[2] blows/foot
Coarse-Grained Soils	Very Loose	0 to 4
	Loose	4 to 10
	Medium Dense	10 to 30
	Dense	30 to 50
	Very Dense	>50
	Consistency	**SPT[2] blows/foot**
Fine-Grained Soils	Very Soft	0 to 2
	Soft	2 to 4
	Medium Stiff	4 to 8
	Stiff	8 to 15
	Very Stiff	15 to 30
	Hard	>30

Test Symbols

G = Grain Size
M = Moisture Content
A = Atterberg Limits
C = Chemical
DD = Dry Density
K = Permeability

Component Definitions

Descriptive Term	Size Range and Sieve Number
Boulders	Larger than 12"
Cobbles	3" to 12"
Gravel	3" to No. 4 (4.75 mm)
Coarse Gravel	3" to 3/4"
Fine Gravel	3/4" to No. 4 (4.75 mm)
Sand	No. 4 (4.75 mm) to No. 200 (0.075 mm)
Coarse Sand	No. 4 (4.75 mm) to No. 10 (2.00 mm)
Medium Sand	No. 10 (2.00 mm) to No. 40 (0.425 mm)
Fine Sand	No. 40 (0.425 mm) to No. 200 (0.075 mm)
Silt and Clay	Smaller than No. 200 (0.075 mm)

[3] Estimated Percentage

Component	Percentage by Weight
Trace	<5
Few	5 to 10
Little	15 to 25
With	- Non-primary coarse constituents: ≥ 15% - Fines content between 5% and 15%

Moisture Content

Dry - Absence of moisture, dusty, dry to the touch

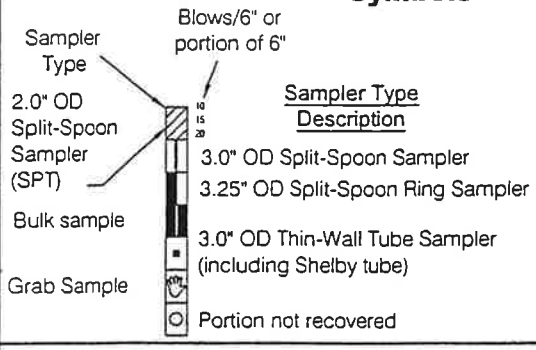
Slightly Moist - Perceptible moisture

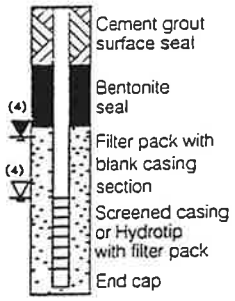
Moist - Damp but no visible water

Very Moist - Water visible but not free draining

Wet - Visible free water, usually from below water table

Symbols





(1) Percentage by dry weight
(2) (SPT) Standard Penetration Test (ASTM D-1586)
(3) In General Accordance with Standard Practice for Description and Identification of Soils (ASTM D-2488)
(4) Depth of groundwater
▼ ATD = At time of drilling
▽ Static water level (date)
(5) Combined USCS symbols used for fines between 5% and 15%

Classifications of soils in this report are based on visual field and/or laboratory observations, which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field or laboratory testing unless presented herein. Visual-manual and/or laboratory classification methods of ASTM D-2487 and D-2488 were used as an identification guide for the Unified Soil Classification System.

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Exploration Log Key

FIGURE
A-1

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Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-1	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/13/02,05/13/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill					
		S-1		Moist, dark brown to light olive-brown, nonstratified, fine to coarse SAND, trace silt, trace gravel. (SW)			4 4 9	▲13	
				Upper Alluvium					
5		S-2		Moist, light olive-brown, stratified, fine to coarse SAND, trace fine subrounded gravel, trace silt. (SW)			4 7 9	▲16	
				Lower Alluvium					
		S-3		Moist, light olive-gray, nonstratified, fine to coarse subrounded to rounded GRAVEL, trace fine to coarse sand, trace silt. (GW)			50/2"		▲50/2"
10				Bottom of exploration boring at 9.2 feet below the surface due to refusal.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-2	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft):
Datum: MSL
Date Start/Finish: 05/13/02,05/13/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW)			16 23 24	▲47	
		S-2					2 2 1	▲3	
5		S-3		**Upper Alluvium** Moist, light olive-brown, nonstratified, fine to coarse SAND, few fine subrounded to rounded gravel, trace silt. (SW)			2 1 2	▲3	
				Lower Alluvium					
10		S-4		Moist, dark gray, nonstratified, fine to coarse subrounded to rounded GRAVEL, few fine to coarse sand, trace silt. (GW)			50/3"	▲50/3"	
				Bottom of exploration boring at 10.3 feet below the surface due to refusal.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

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Approved by:

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Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-3	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft):
Datum: MSL
Date Start/Finish: 05/13/02,05/13/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, light olive-gray to dark gray, nonstratified, fine to coarse SAND, few subrounded fine to coarse gravel, few silt. (SW)			14 15 14	▲29	
		S-2		**Upper Alluvium** Moist, medium gray, weakly stratified, fine to medium SAND, trace silt, trace fine rounded gravel. (SP)			4 5 7	▲12	
5		S-3					4 5 6	▲11	
				Lower Alluvium					
10		S-4		Moist, medium gray, nonstratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW)			10 20 29	▲49	
		S-5					29 39 39	▲78	
15				Bottom of exploration boring at 14 feet below the surface due to refusal.					
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

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Approved by:

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Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-4	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill					
		S-1		Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (9-10 ppm)			3 3 3	▲6	
5		S-2		**Upper Alluvium** Moist, light olive-brown, nonstratified, fine to medium SAND, trace silt, trace fine subrounded gravel. (SW) (6-7 ppm)			4 5 11	▲16	
				Lower Alluvium					
10		S-3		Moist, light olive-gray, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, few silt. (SW) (4-5 ppm)			27 39 42	▲81	
				Bottom of exploration boring at 10.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-5	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt grading to brown, SILTY fine SAND, scattered organic material. (SW-SM) (0.0 ppm)			5 10 6	▲16	
		S-2					2 4 6	▲10	
5		S-3		**Upper Alluvium** Moist, light olive-brown and light olive-gray, weakly stratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			4 4 4	▲8	
				Lower Alluvium					
10		S-4		Moist, light olive-gray, nonstratified, medium to coarse SAND, trace silt. (SP) (0.0 ppm)			9 9 9	▲18	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-6	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	S-T	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			7 7 7	▲14	
		S-2					1 1 1	▲2	
5		S-3		**Upper Alluvium** Moist, light olive-brown, weakly stratified, fine to medium SAND, few silt. (SP) (0.0 ppm)			1 2 1	▲3	
				Lower Alluvium					
10		S-4		Moist, light olive-gray, nonstratified, fine to coarse SAND, trace fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			17 17 12	▲29	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-7	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/14/02,05/14/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill Moist, dark brown to light olive-brown, nonstratified, fine to coarse SAND, trace silt, trace gravel. (SW) (0.0 ppm)					
				Upper Alluvium					
		S-1		Moist, light olive-gray, weakly stratified, fine to coarse SAND, trace silt. (SW) (0.0 ppm)			2 3 4	▲7	
5		S-2					4 4 4	▲8	
				Lower Alluvium					
10		S-3		Moist, light olive-gray, nonstratified, fine to coarse SAND, trace fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			8 7 8	▲15	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-8	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt, trace organics. (SW)			3 4 3	▲7	
		S-2		**Upper Alluvium** Moist, light brown, nonstratified, fine to medium SAND, few fine to coarse subrounded gravel, trace silt. (SP)			1 2 3	▲5	
5		S-3					5 7 8	▲15	
				Lower Alluvium					
10		S-4		Moist, light brown, nonstratified, fine to coarse SAND with fine to coarse subrounded gravel, trace silt. (SW)			15 18 20	▲38	
		S-5					37 50/3"	▲50/3"	
15				Bottom of exploration boring at 14.8 feet below the surface.					
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-9	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, light to dark brown, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, trace silt. (SW)			2 1 2	▲3	
		S-2					8 10 9	▲19	
5		S-3					5 3 1	▲4	
				Lower Alluvium					
10		S-4		Moist, light brown, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, trace silt. (SW)			10 50/4"		▲50/4"
				Bottom of exploration boring at 10.8 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-10	1 of 2

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Environmental Drilling / B-61	Date Start/Finish	05/16/02,05/16/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Crushed Rock Fill					
				Concrete 0-2'					
				Lower Alluvium					
		S-1		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt (SW) (0.0-0.5 ppm)			10 16 17	▲33	
5									
		S-2					17 32 44	▲76	
10									
				Bentonite 2'-22'					
		S-3		*2" diameter PVC blank 0-25'*			12 14 20	▲34	
15									
		S-4					12 15 18	▲33	
20									
				#10/20 silica sand 22'-35'					
		S-5					9 22 23	▲45	
25									
		S-6					10 16 18	▲34	
30				*2" diameter PVC screen 0.010" slotted 25'-35'*					
		S-7					15 21 30	▲51	
35									
				Slough 35'-39'					
		S-8					12 20 21	▲41	

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ June 10, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-11	1 of 2

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Environmental Drilling / B-61	Date Start/Finish	05/16/02,05/16/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Crushed Rock Fill					
		S-1		**Upper Alluvium** Moist, tan, weakly stratified, SILTY fine SAND, trace organics, trace fine subrounded gravel. (SM) (0.0 ppm)			1 1 2	▲3	
5									
		S-2		**Lower Alluvium** Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)			12 24 36	▲60	
10									
		S-3					17 18 28	▲46	
15									
		S-4					31 29 32	▲61	
20									
		S-5					12 24 24	▲48	
25									
		S-6					12 21 31	▲52	
30									
		S-7					12 25 23	▲48	
35									
		S-8					11 20 37	▲57	

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-11	2 of 2

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Environmental Drilling / B-61
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/16/02,05/16/02
Hole Diameter (in): ~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
45		S-9		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)			21 22 31	53	
		S-10					17 22 28	50	
50				Bottom of exploration boring at 49 feet below the surface.					
55									
60									
65									
70									
75									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-12	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Environmental Drilling / B-61
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/16/02,05/16/02
Hole Diameter (in): ~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Grass and Topsoil/Fill	*Concrete 0-1'*				
				Upper Alluvium	*Bentonite 1'-3.5'*				
					2" diameter PVC blank 0-5'				
		S-1		Moist to wet, light olive-gray and tan, stratified, fine to medium SAND, little silt, trace organics. (SM) (4-5 ppm from 2.5'-4')			4 6 8	▲14	
5					*#10/20 silica sand 3.5'-12'*				
					2" diameter PVC screen 0.010" slotted 5'-10'				
		S-2		(0.0 ppm from 7.5'-9')			2 4 6	▲10	
10				**Lower Alluvium**					
		S-3		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)			31 31 28	▲59	
15									
		S-4					21 24 31	▲55	
20									
		S-5					19 19 17	▲36	
25									
		S-6					14 20 25	▲45	
30				Bottom of exploration boring at 29 feet below the surface.					
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

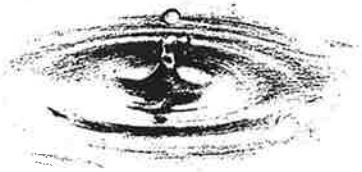
M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ June 7, 2002

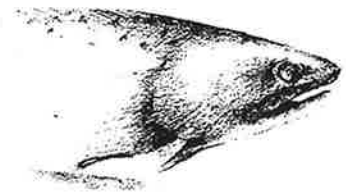
GEOTECHNICAL ASSESSMENT
Car Lot Site

Geotechnical Engineering

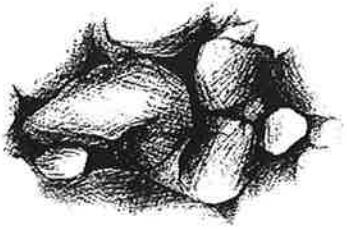


Water Resources

Solid and Hazardous Waste



Ecological/Biological Sciences



Geologic Assessments

Associated Earth Sciences, Inc.

Phase I
Environmental Site Assessment

DWAYNE LANE USED CAR LOT

Arlington, Washington

Prepared for

City of Arlington

Project No. KE02153B
June 10, 2002

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

DWAYNE LANE USED CAR LOT

Arlington, Washington

Prepared for:
City of Arlington
238 North Olympic Avenue
Arlington, Washington 98223

Prepared by:
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, Washington 98033
425-827-7701
Fax: 425-827-5424

June 10, 2002
Project No. KE02153B

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EXECUTIVE SUMMARY

Associated Earth Sciences, Inc. (AESI) performed a Phase I Environmental Site Assessment (ESA) of the properties known as the Dwayne Lane Used Car Lot located in the southeast corner of North West Ave and 3rd Street in Arlington, Washington. The investigation was performed in general accordance with American Society for Testing and Materials (ASTM) Standard E-1527-00.

AESI did not observe obvious indications of stressed vegetation or staining indicating a possible past release of contaminants. No obvious evidence of hazardous materials contamination was discovered in areas of the site explored during our site reconnaissance.

There was no visual evidence of underground storage tanks (USTs) on the site. There were no historical records indicating that USTs may be present beneath the site. Historical records that we reviewed directly or anecdotal information we obtained through conversations with persons familiar with the site area indicates that the site has horizontally been railroad tracks.

There were several properties of potential environmental significance identified within the ASTM-specified search radii identified in the Environmental Data Resources (EDR) database report. Based on our review of potential contaminant migration pathways (distance from the site, direction, gradient, elevation difference, soil types, and projected ground water flow), in our opinion it is unlikely that these listed sites have impacted soil or ground water on the subject property.

Although the subject property is in an industrial area, there are no records of confirmed releases of potential environmental significance that warrant testing of soil or ground water.

1.0 INTRODUCTION

1.1 Purpose and Scope of Services

The purpose of this Phase I Environmental Site Assessment (ESA) is to identify, to the extent practicable using standard methods, the presence, or likely presence, of hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, ground water, or surface water of the property.

We have performed this Phase I ESA on the property by researching past site use, reviewing regulatory agency databases and files where appropriate, visiting the site, interviewing past and present owners and operators, and preparing a report documenting our findings and interpretations regarding the potential for on-site contamination. Our proposed scope of work included the following specific tasks:

- Conducting a reconnaissance to observe existing site conditions and activities at neighboring parcels, and interviewing available key personnel;

- Reviewing regulatory agency databases for both the site and for surrounding properties. Databases searched included, but were not limited to, the American Society for Testing and Materials (ASTM) standard specified lists of NPL, CERCLIS, RCRA, ERNS, CORRACTS, TRI UST, and LUST;

- Reviewing historical ownership records by utilizing a combination of local assessor records and aerial photographs. In addition, Associated Earth Sciences, Inc. (AESI) personnel utilized topographic maps for drainage and topographic information; and

- Preparing this report summarizing the results of data research, site observations, and interviews. No surface or subsurface samples of environmental media were collected or analyzed at the subject property as part of this site assessment.

1.2 Significant Assumptions

Phase I ESAs cannot eliminate all uncertainty regarding the potential for recognized environmental conditions. This assessment was performed in general accordance with ASTM:E 1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This method is intended to reduce the uncertainty about the environmental condition of the property.

Judgments leading to the enclosed general conclusions are based on available information, including information provided by the client, interviews with knowledgeable personnel, and site conditions, as they existed at the time of our investigation. While striving to present the most accurate scenario of the condition of the property, this assessment may reflect inaccurate or incomplete information provided by others. Other information on the subject property or adjacent surrounding properties may exist and more extensive studies may reduce the uncertainties associated with this investigation. The assessment is subjective, qualitative, and based mainly on the professional judgment and experience of the AESI project team after review and consideration of available information.

1.3 Limitations and Exceptions

Some property conditions are normally considered outside of the scope of the Phase I ESA process. These "out-of-scope" conditions include assessing for the presence of asbestos-containing materials, lead-based paint, radon, lead in drinking water, and wetlands. When information related to such conditions is observed, it is noted in the assessment report.

1.4 Special Terms and Conditions

There were no specific terms or conditions attached to this environmental assessment.

1.5 Involved Parties

This Phase I ESA was performed by AESI in accordance with the scope of work authorized by Iain Draper of the City of Arlington on May 10, 2002 and in general accordance with ASTM:E 1527-00 guidelines.

1.6 Previous Environmental Investigations

A Phase I ESA was preformed on the adjacent city-owned 4.49-acre parcel to the east by Environmental Management Resources, Inc (EMR) dated January 1994. The ESA was reviewed as part of our research for this project.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The subject property is located in Arlington, Washington, in Section 11, Township 31 North, Range 5 East, east of the Willamette Meridian (see Figure 1). The property is located at the corner of North West Ave and 3rd Street in Arlington, Washington.

2.2 Site and Vicinity General Characteristics

AESI personnel visited the subject property on May 21, 2002. The site is located in the commercial downtown area of Arlington, Washington. The City of Arlington parking and buildings are located to the east of the subject site, a Burlington Northern Santa Fe (BNSF) railroad switching yard to the south, a NAPA Auto Parts store is to the west, and Dwayne Lane car sales are to the north.

2.3 Current Use of the Property

Currently the property is used by Dwayne Lane Chevrolet as a used vehicles sales lot.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

Currently, the site is a gravel parking area with parked used vehicles. Fill was reportedly brought to the subject property from across West ~~Avenue before the construction of the~~ NAPA Auto Parts store. The existing railroad tracks may not have been removed and are assumed to be covered by the fill. There is one small wood-framed building on-site. It is currently used as an office for the Dwayne Lane used vehicle lot. The building is serviced by electrical power. No building materials of obvious environmental significance were observed in this structure. A set of tracks terminates to the south near the rear of the office building.

2.5 Current Uses of the Adjoining Properties

City of Arlington office buildings are to the east of the subject site. Active BNSF railroad tracks are located to the south. To the west is an auto parts store (NAPA Auto Parts). North of the site is the main Dwayne Lane showroom, lot, and sales building. A Laundromat/dry cleaning facility, Sunshine Laundry and Cleaners, is located to the northwest of the site.

3.0 USER-PROVIDED INFORMATION

3.1 Title Records

No title was supplied to AESI for review. The land is reportedly owned by BNSF railroad and was originally granted as part of the railroad trust. According to the tax assessor's office the land has never been taxed.

3.2 Specialized Knowledge

AESI performed a separate geotechnical study of soil conditions that include soil sampling to check for the presence petroleum hydrocarbons on the adjacent city property to the east.

3.3 Owner, Property Manager, and Occupant Information

BNSF railroad is the current owner of the subject property. The current tenant of the site is Dwayne Lane Used Car Lot. Interviews with Dwayne Lane Chevrolet sales people can be found below in the interview section.

3.4 Reason for Performing Phase I

The purpose of this Phase I is to identify, to the extent practicable using standard methods, the presence or likely presence of hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, ground water, or surface water of the property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

A detailed review of pertinent regulatory agency database records was conducted according to ASTM:E 1527-00 for facilities that currently or previously have occupied the subject site or properties within the specified ASTM search radii from the subject site. The purpose of our environmental record review was to obtain and review records that would help evaluate recognized environmental conditions in connection with the subject property and off-site sources. The following databases were reviewed, within the specified search radii:

Federal Databases

- National Priorities/Superfund List (NPL), 1.0 mile
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), 0.5 mile
- No Further Remedial Action Planned Sites (NFRAP), 0.25 mile
- RCRA Violators List (CORRACTS), 1.0 mile
- Resource Conservation and Recovery Information System (RCRIS), 0.5 mile
- Emergency Response Notification System (ERNS)
- Superfund (CERCLA) Consent Decrees (CONSENT), 1.0 mile
- Records of Decision (ROD), 1.0 mile
- National Priority List Deletions (DELISTED NPL), 1.0 mile
- EPA Facility Index System (FINDS), 0.5 mile
- Hazardous Materials Information Reporting System (HMIRS)
- Material Licensing Tracking System (MLTS)
- Mines Master Index File (MINES)
- Federal Superfund Liens (NPL LIENS)

- PCB Activity Database System (PADS)
- RCRA Administration Action Tracking System (RAATS)
- Toxic Chemical Release Inventory System (TRIS)
- Toxic Substances Control Act (TSCA)
- FIFRA/TSCA Tracking System, (FTTS/INSP)

State Databases

- Confirmed & Suspected Contaminated Sites List (CSCSL), 1.0 mile
- Hazardous Site List (HSL), 1.0 Mile
- Solid Waste Disposal Facilities (SWF), 1.0 mile
- Leaking UST (LUST), 0.5 mile
- Underground Storage Tank (UST), 0.25 mile
- Independent Cleanup Reports (WA ICR), 0.5 mile
- Confirmed & Contaminated Sites- No Further Action (CSCSL NFA)
- Washington Emissions Data System (EMI)

A copy of this information, a list of data sets, and a glossary of terms utilized by Environmental Data Resources Inc. (EDR) are presented in Appendix B. A brief description of the sites and their positions relative to the subject property (based on an inferred ground water flow direction to the northwest) are given below.

4.1.1 Results of Federal Regulatory Agency List Review and File Research

According to the information included in the EDR report, four sites appeared on the federal databases within the specified search radii. These sites are referenced in the RCRIS-SQG list. The subject property was not listed on any of the federal databases.

SITE: Dwayne Lanes Arlington Chevrolet Geo
DATABASE: RCRIS-SQG
LOCATION: 315 West Ave, Arlington. Located less than 1/8 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: This site has had no reports of violations and is crossgradient from the subject property and is considered to be of low environmental significance.

SITE: R&L Auto Repair Inc.
DATABASE: RCRIS-SQR,
LOCATION: 215 N Olympic Ave, Arlington. Located less than 1/8 mile southeast of the site.
ENVIRONMENTAL SIGNIFICANCE: R&L has had no reports of violations and is considered to be of low environmental significance to the subject property.

SITE: NORETEP
DATABASE: RCRIS-SQR
LOCATION: 540 N Olympic, Arlington. Located approximately 1/8 to 1/4 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: Noretep has had no reports of violations and is downgradient from the subject property and is considered to be of low environmental significance to the site.

SITE: Unocal Bulk Plant Arlington
DATABASE: RCRIS-SQR
LOCATION: 211th Place NE & Lebanon St, Arlington. Located approximately 1/2 to 1 mile south of the site.
ENVIRONMENTAL SIGNIFICANCE: The Unocal Bulk Plant in Arlington has had no reports of violations and is crossgradient from the subject property and is considered to be of low environmental significance.

4.1.2 Results of State ASTM Database Review and File Research

According to the information included in the EDR report, several sites appeared on the state databases within the specified search radii. Three sites are referenced in the LUST list, two sites on the CSCSL list, ten sites on the UST list, and two sites on the ICR list. Some sites appear on more then one database. The subject property was not listed on any of the state databases.

SITE: Plaza, Inc.
DATABASE: UST, LUST
LOCATION: 319 West Avenue, Arlington. Located less than 1/8 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: Plaza, Inc. had a report of a leaking tank in 1991. Reports indicate soil contamination and cleanup was reportedly started. The Washington State Department of Ecology (Ecology) was contacted and reported that the contamination was heating oil and the file was not available for review. This site is crossgradient from the subject property and is considered to be of low environmental significance to the site.

SITE: John Henken Chevrolet Inc. (a.k.a. Dwayne Lane Chevrolet)
DATABASE: UST
LOCATION: 315 West Avenue, Arlington. Located less than 1/8 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: From our discussion with Willard Massingale of Dwayne Lane Chevrolet, their underground fuel tanks have reportedly been removed. This site has had no reports of leakage and is crossgradient from the subject property to be of low environmental significance.

SITE: Arlington Hardware & Lumber Inc.
DATABASE: UST
LOCATION: 215 N Olympic Avenue, Arlington. Located less than 1/8 mile southeast of the site.
ENVIRONMENTAL SIGNIFICANCE: Although this site is in the inferred upgradient direction from the subject property, Arlington Hardware has had no reports of leaks and is considered to be of low environmental significance to the subject property.

SITE: Dean T Olsen Arlington Shell Service
DATABASE: UST
LOCATION: 404 North Olympic Avenue, Arlington. Located approximately 1/8 to 1/4 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: This site has had no reports of violations and is downgradient from the subject property and considered to be of low environmental significance.

SITE: Bradley MFG & Supplies Inc
DATABASE: UST
LOCATION: 122 N McLeod, Arlington. Located approximately 1/8 to 1/4 mile southeast of the site.
ENVIRONMENTAL SIGNIFICANCE: Although this site is in the inferred upgradient direction from the subject property, Bradley's has had no reports of leaks and is considered to be of low environmental significance to the subject property.

SITE: Nelson Distributing, Inc.
DATABASE: UST
LOCATION: 104 South Olympic Ave, Arlington. Located approximately 1/8 to 1/4 mile south
of the site.
ENVIRONMENTAL SIGNIFICANCE: Nelson's has had no reports of leaks and is crossgradient from the subject property and considered to be of low environmental significance to the site.

SITE: Petrocard Systems, Inc.
DATABASE: UST
LOCATION: 104 South Olympic Avenue, Arlington. Located approximately 1/8 to 1/4 mile south of the site.
ENVIRONMENTAL SIGNIFICANCE: Petrocard Systems, Inc. has had no reports of leaks, is crossgradient from the subject property, and considered to be of low environmental significance to the site.

SITE: Arlington Union 76
DATABASE: UST
LOCATION: 104 South Olympic Avenue, Arlington. Located approximately 1/8 to 1/4 mile south of the site.
ENVIRONMENTAL SIGNIFICANCE: Arlington Union 76 has had no reports of leaks, is crossgradient from the subject property, and considered to be of low environmental significance to the site.

SITE: Frontier Bank
DATABASE: UST, LUST
LOCATION: 525 North Olympic Avenue, Arlington. Located approximately 1/8 to 1/4 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: A leak was reported in 1990 at Frontier Bank. The site is a sufficient distance and downgradient from the subject property and is therefore of low environmental significance to the site.

SITE: Union 76 Station
DATABASE: WA-ICR
LOCATION: 540 North Olympic Avenue, Arlington. Located approximately 1/8 to 1/4 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: Union 76 Station filed a Final Cleanup report in 1992. This site is downgradient from the subject property and considered to be of low environmental significance to the site.

SITE: 7-Eleven Store 2306-21001J
DATABASE: UST
LOCATION: 541 West Avenue, Arlington. Located approximately 1/8 to 1/4 mile north of the site.
ENVIRONMENTAL SIGNIFICANCE: 7-Eleven has had no reports of leaks, is downgradient from the subject property, and considered to be of low environmental significance to the site.

SITE: Arlington School District #16
DATABASE: UST, LUST, WA-ICR
LOCATION: 410 Gifford, Arlington. Located approximately 1/4 to 1/2 mile northeast of the site.
ENVIRONMENTAL SIGNIFICANCE: Arlington School District has reportedly removed a leaking tank, is crossgradient from the subject property, and considered to be of low environmental significance to the site. Ecology records for this site are located in Appendix D.

SITE: Unocal Bulk Plant Arlington
DATABASE: CSCSL
LOCATION: 211th Place NE & Lebanon Street, Arlington. Located approximately 1/2 to 1 mile south of the site.
ENVIRONMENTAL SIGNIFICANCE: The Unocal Bulk Plant in Arlington has had a report of confirmed soil contamination and confirmed ground water contamination. However, the Unocal plant is a sufficient distance and crossgradient from the subject property and is therefore of low environmental significance to the site.

SITE: Christianson Co.
DATABASE: CSCSL
LOCATION: 7415 204th Street NE, Arlington. Located approximately 1/2 to 1 mile south of the site.
ENVIRONMENTAL SIGNIFICANCE: Christianson's has had one confirmed report of soil contamination and two reports of suspected contamination. Christianson's is a sufficient distance and crossgradient from the subject property and is therefore of low environmental significance to the site.

4.1.3 Orphan Sites Summary

The EDR report included 25 properties (see Appendix B for sites) with incomplete address information that may or may not be within the prescribed ASTM distance from the subject property. AESI conducted further research for each site to assess the likelihood of impact to the subject property. The findings for the orphan sites were: Nineteen were out of the area, three were in the area, and three could not be located. Marves Union Oil Gas Station (a.k.a. Union 76 Station) and Frontier Bank referenced above in section 4.1.2 and the City of Arlington site is located 3/8 mile to the north-northwest, downgradient from the subject property, to be considered of low environmental significance. All three sites within the 1-mile radius are not considered to be of environmental significance to the subject property. The sites that were not located had no reports of violations so are not considered to be of environmental significance to the subject property. One or more of the following research criteria were used in our assessment; distance from the subject property, topographic relationship, the presence of a ground water divide, or other hydrogeologic mechanism that would be unfavorable to plume migration. Based upon the above criteria, the orphan sites are not considered a significant risk to the environmental condition of the subject property.

4.2 Additional Environmental Record Sources

The document, *Solid Waste Sites of Record at Snohomish Health District* was reviewed. There were no solid waste sites listed within a ½-mile radius of the subject property.

4.3 Historical Use Information on the Property

The site history of the subject property was compiled from a combination of aerial photographs, U.S. Geological Survey (USGS) topographic maps, title history, and interviews with knowledgeable individuals.

4.3.1 Aerial Photographs

Aerial photographs for various years from 1947 through 2001 were reviewed for this assessment. The photographs were obtained from Walker & Associates, Tukwila, Washington. Following are review notes from our review of these photographs:

Vertical Aerial Photograph: 2001. Scale 1 inch = 2000 feet

The Dwayne Lane Chevrolet used vehicle lot is located on-site. It appears that the railroad tracks in the area have been covered by fill to bring the site up to the current grade. The adjacent properties consist of Sunshine Laundry and Cleaners to the northwest, Dwayne Lane Chevrolet dealership to the north, City of Arlington property and BNSF railroad tracks to the east, more tracks to the south, and Napa Auto Parts building to the west.

Vertical Aerial Photograph: 1997. Scale 1 inch=2000 feet

The subject property is covered with railroad tracks with no structures at this time. The adjacent properties have changed some, the eastern portion of the Dwayne Lane Chevrolet dealership was unpaved, a large commercial style building is located to the east, and to the west is a paved parking lot.

Vertical Aerial Photograph: 1993. Scale 1 inch=2000 feet

The 1993 photograph is located in Appendix C. A large dark area can be seen at the center of the property between a set of tracks. This feature had the appearance of stacked railroad ties once the photograph was enlarged. The tracks extend north past the Dwayne Lane Chevrolet dealership. An additional building was present to the east of the site just north of the one from the 1997 photograph.

Vertical Aerial Photograph: 1985. Scale 1 inch =1500 feet

The northwest corner had parked cars on it but no areas or structures of environmental significance. Adjacent properties had not changed much from the 1993 photograph except to the southeast of the site there appears to be a bulk fueling facility.

Vertical Aerial Photograph: 1981. Scale 1 inch =1500 feet

This photograph is similar to the 1985 photograph except no cars were parked in the northwest corner of the site. The adjacent areas consisted of the Dwayne Lane Chevrolet dealership, commercial buildings, railroad tracks, and residential areas.

Vertical Aerial Photograph: 1976. Scale 1 inch =1500 feet

This photograph was virtually identical to the 1981 photograph. There were no structures or areas of apparent environmental significance observed.

Vertical Aerial Photograph: 1967. Scale 1 inch =1500 feet

Railroad tracks are located on the site with a small parking area in the northwest corner. The subject property looks to be free of evidence of oil stains or structures. Adjacent properties look similar to the 1976 and 1981 photographs. To the west, the residential area is larger than in the 1976 and 1981 photographs.

Vertical Aerial Photograph: 1955. Scale 1 inch =1000 feet

The subject property looks similar to the 1967 photograph except the northwest corner of the subject property is vacant. There appears to be no areas or structures of environmental significance on the subject property. To the north is a residential area, commercial buildings possibly are to the east, railroad tracks with train cars to the south, and west is a residential area.

Vertical Aerial Photograph: 1947. Scale 1 inch =1000 feet

The subject property is occupied by railroad tracks with no obvious structures or areas of apparent environmental significance at this time. A residence was located to the north of the site. East of the site there were commercial buildings. Railroad tracks covered the area to the south with no structures or area of environmental significance apparent. The lot to the west was vacant and behind it was a residential area.

4.3.2 Interviews with Key Personnel

During the performance of this Phase I ESA, we conducted the following interviews:

Mr. Willard Massingale, Dwayne Lane Salesperson

Mr. Massingale stated that he had been in the Arlington area for the last 40 years. He stated that the subject property was historically railroad tracks until approximately 3 years ago. He

also stated that when Dwayne Lane began leasing the land from the railroad, they brought in fill to level the site. The small office building on the subject property was reportedly moved from across the street from the NAPA Auto Parts site. When asked about the adjacent properties and the possibility of USTs, he remembered several. He stated that there use to be one across the street to the north of the subject property at the main Dwayne Lane auto center, another at Les Schwab to the south, and that there was a fueling depot to the southeast of the site that was demolished approximately 10 to 12 years ago. Mr. Massingale also stated that he did not know of any train derailments in the general area.

Ms. Jackie Walton, Dwayne Lane Salesperson

Ms. Walton stated that she has been in the Arlington area for the last 40 years. She could not recall any spills or train derailments on or around the subject property. She did tell us about the ammonia leak from Twin City Foods that occurred around May 15, 2002 that caused partial evacuation of the town.

Mr. Dean Jensen, West Coast Excavating

Mr. Jensen stated that he brought the fill to the subject property. He stated that during the construction of the Napa Auto Parts building to the west, he hauled fill from across the street to the subject property.

Mr. Tom Cooper, Arlington Fire Inspector

Mr. Cooper stated that he could not find any record of there being any spills or derailments on or around the subject property. He has been the fire inspector on and off for the last 7 years and did not recall any incidents.

Mr. Charles Posey, Former BNSF Employee

Mr. Posey, a retired engineer for Burlington Northern, was interviewed. Mr. Posey has worked in the Arlington switchyard on and off for several years. He stated that he does not recall any derailments involving hazardous materials in the Arlington switchyard. Mr. Posey stated that although the engines and cabooses were fueled adjacent to crossings, most of the fueling of the locomotives took place south of the subject property at the old depot north of the Les Schwab tire store.

4.4 Historical Use Information on Adjoining Properties

The properties adjoining the subject site were historically mixed commercial and residential. The residential properties were developed into commercial buildings over time.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The subject property and general vicinity were observed by a site assessor from AESI. Available neighbors were interviewed, when possible. Site photographs were obtained. Items of potential or recognized environmental significance to the property were noted.

5.2 General Site Setting/Environmental Setting

5.2.1 General Site Setting

The general site setting is commercial in nature. The area surrounding the subject property consists of retail, commercial, and city buildings. There is some landscaping to the east of the site in an area called the Centennial Trail that runs north/south through the city of Arlington.

5.2.2 Environmental Setting

The subject property is located in an area that has been both commercial and residential. The site has been surrounded by businesses that have had USTs and/or businesses that have produced or handled environmentally significant materials

Regional Physiographic Conditions

According to the USGS *Geologic Map of the Arlington Quadrangle*, the subject property is situated in an area that consists mainly of Quaternary glacial, fluvial, and lake deposits on top of Tertiary sedimentary rocks. The entire area was affected by two periods of glaciation during the Quaternary leaving behind deposits of till and outwash. As the ice sheet retreated to the north in the Holocene, sediments from landslides, mass wasting, and alluvial fans were deposited. The deposits vary in size and thickness throughout the area.

During recent investigations, the adjacent property to the east was found to be underlain by fill over glacial recessional sands and gravels to the depths of at least 50 feet below the existing grade.

Site-Specific Ground Water Conditions

There are no wells located on the subject property. Available well logs for Township 31 North, Range 5 East, Section 11 were reviewed. Examination of available well logs and attempted drilling of wells on the adjacent site to the east indicates that the ground water is greater than 50 feet deep. The inferred direction of ground water flow is to the northwest, towards the Stillaguamish River.

Surface Water Conditions

A storm drain is located in the eastern portion of the site to collect surface water runoff. The Stillaguamish River is the closest body of surface water, located approximately 3/8 mile to the north.

5.3 Exterior Observations

Currently, there is one structure on the subject property. The building is made primarily of wood, with no materials of apparent environmental significance. Currently the building is being used as an office for the Dwayne Lane Chevrolet used vehicle lot. The sole utility is electricity.

5.4 Interior Observations

The interior walls of the office were covered in wood paneling and the floor was carpeted. An electric heater is the only source of heat on-site. There was no visual evidence of any materials of apparent environmental significance.

6.0 RESULTS OF INVESTIGATION

6.1 Findings and Conclusions

We have performed a Phase I ESA of the property located within the Section 11, Township 31 North, Range 5 East, east of the Willamette Meridian in Arlington, Washington. Historical information reviewed during this Phase I ESA indicated that the subject property has been historically Burlington Northern (and later BNSF) railroad tracks.

There were no areas of oil staining, obvious spills, discarded transformers, or visual evidence of USTs on the site. There were no historical records indicating that tanks may be present beneath the site. Our review of federal and state databases did not reveal any properties of apparent environmental significance to the subject property.

There were several properties of potential environmental significance identified within the ASTM-specified search radii identified in the Environmental Data Resources (EDR) database report. Based on our review of potential contaminant migration pathways (distance from the site, direction, gradient, elevation difference, soil types, and projected ground water flow), in our opinion it is unlikely that these listed sites have impacted soil or ground water on the subject property.

Although the subject property is in an industrial area, there are no records of confirmed releases of potential environmental significance that warrant testing of soil or ground water.

7.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes of the environmental professionals who performed this Phase I ESA are included in Appendix D.

8.0 CLOSURE

This report was prepared for the exclusive use of the City of Arlington and their agents for specific application to the subject site. AESI personnel performed this assessment in accordance with generally accepted standards of care that existed in the state of Washington at the time of this study. Our findings and conclusions have been prepared in accordance with generally accepted professional practice in the area at this time. We make no other warranty, either express or implied.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

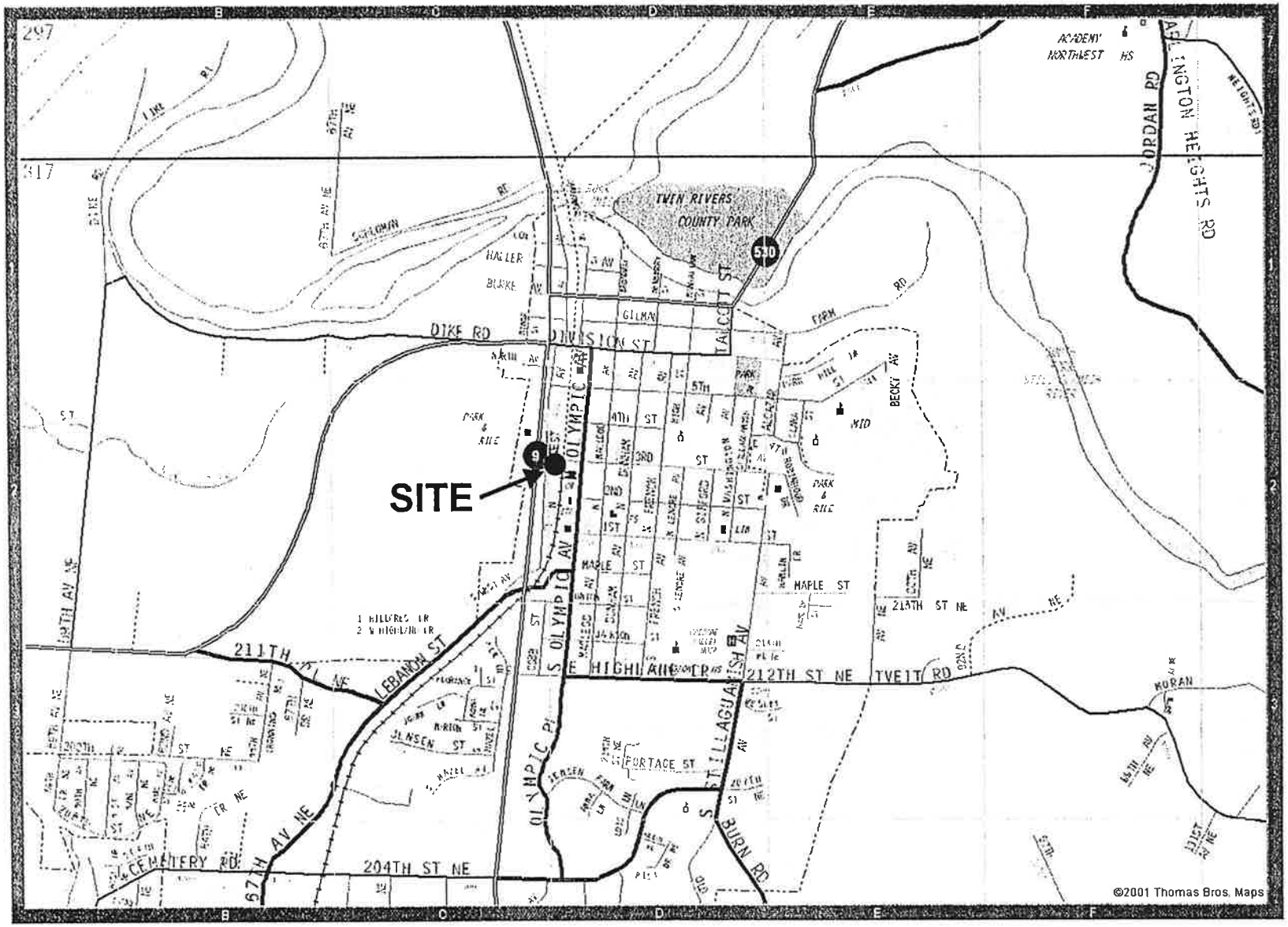
Richard N. Simpson, C.P.G.
Project Geologist

Jon N. Sondergaard, P.G.
Associate Geologist

9.0 REFERENCES

Enviromental Data Resources, Inc. (EDR), 2002, The EDR radius map with GeoCheck™, Dwayne Lane Used Car Lot , Arlington, Snohomish County, Washington. Southport, Connecticut, May 15, 2002

Minard and Booth, 1988, Geologic map of the Arlington Quadrangle, Washington: USGS Denver, CO, 7.5 minute map.



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NOT TO SCALE

Associated Earth Sciences, Inc.

VICINITY MAP

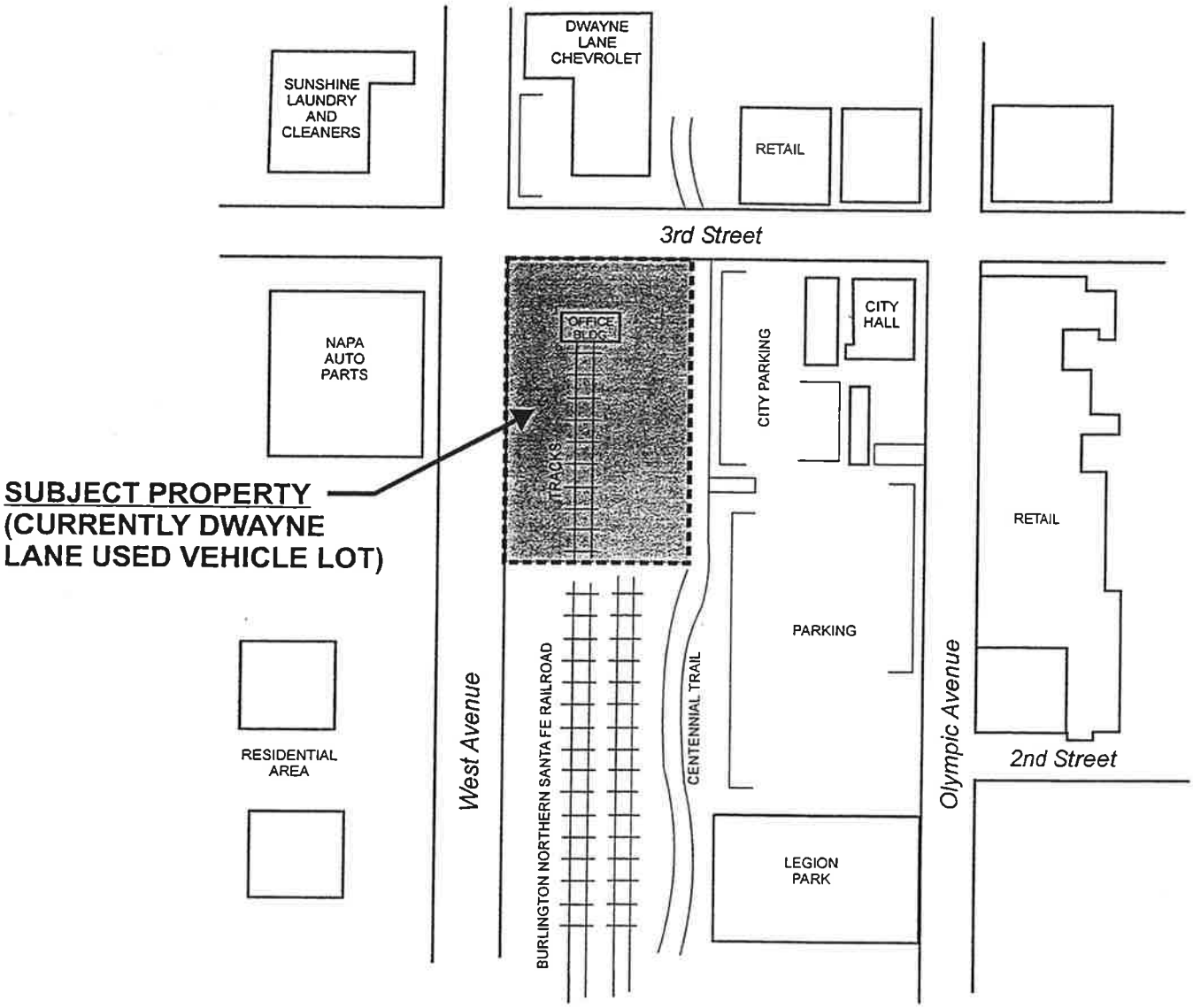
DWAYNE LANE USED CAR LOT
ARLINGTON, WASHINGTON

FIGURE 1

DATE 5/02

PROJ. NO. KE02153B

02153 arlington civic center\02153-vicinity.cdr page1



Associated Earth Sciences, Inc.

SITE SCHEMATIC
DWAYNE LANE USED CAR LOT
ARLINGTON, WASHINGTON

FIGURE 2
DATE 5/02
PROJ. NO. KE02153B

FIGURE 3. SITE PHOTOGRAPHS

PHOTOGRAPH 1. Photograph looking north from the center of the subject property. The main Dwayne Lane car dealership can be seen in the back left corner.

PHOTOGRAPH 2. The parking lot grade is about 2 feet higher than the tracks. The old tracks may be covered with fill. The small building at the end of the tracks is currently a sales office for Dwayne lane Chevrolet.

FIGURE 3. SITE PHOTOGRAPHS (Continued)

PHOTOGRAPH 3. Looking to the northwest across the subject property towards the Sunshine Laundry and Cleaner and NAPA Auto Parts buildings.

PHOTOGRAPH 4. The subject property is occupied by Dwayne Lane's used vehicle lot. There did not appear to be any significant oil stains indicating leakage of automobile related fluids on the property.

FIGURE 3. SITE PHOTOGRAPHS (Continued)

PHOTOGRAPH 5: View looking south from the subject property of the BNSFE property.

PHOTOGRAPH 6. The City of Arlington owns property east and southeast of the subject property. A bulk fueling station was reportedly located where cars are now parked.

FIGURE 3. SITE PHOTOGRAPHS (Continued)

PHOTOGRAPH 7. Another view of the vehicle lot from 3rd Ave looking south.

PHOTOGRAPH 8. A storm drain is present on the eastern portion of the subject site.

APPENDIX A

TAX ASSESSORS DATA

Property and Tax Data

Snohomish County, WA

County links: [Quick Info] [Directory] [Departments] [Employment] [Calendar] [Questions] [Search] [EMail] [Feedback] [County Home]
Common links: [Assessor Home] [Treasurer Home] Information on which [Department] to contact

Date/Time: 5/24/2002 3:31:13 PM

Parcel Number **31051100100900** Prev Parcel Reference

Return to Property Information [entry page]

Answers to [Frequently Asked Questions] about Parcel Data (opens as new window)

Names/Addresses

Taxpayer Name || Address (contact the Treasurer if you have questions)

ANT LLC || PACIFIC GATEWAY BLDG - 201 MISSION ST - - SAN FRANCISCO, CA 94105

Owner Name || Address (contact the Assessor if you have questions)

ANT LLC || 201 MISSION ST - PACIFIC GATEWAY BLDG - - SAN FRANCISCO, CA 94105

Street (Situs) Address (contact the Assessor if you have questions)

UNKNOWN, UNKNOWN - - -

Treasurer's Tax Data

Taxes* ***If you have questions about taxes owing, please contact the*** [Treasurer's office] "Tax data not available"

Assessor's Property Data

Property Characteristics

Characteristics and Value Data below are for 2002 tax year.
Values do not reflect adjustments made due to an exemption, such as a senior or disabled persons exemption. Reductions for exemptions are made on the property tax bill.
If you have questions about property characteristics or values, please contact the [Assessor's Office]

Tax Code Area (TCA) **00110** View [Taxing Districts and Revaluation Period] for this Parcel (opens as new window)

Neighborhood **1208000** Explanation of [Neighborhood Code] (opens as new

Township **31** Range **05** Section **11** Quarter **NE**

Use Code **910 Undeveloped (Vacant) Land**

Size Basis **ACRE** Size **0.32**

Exemption **Government Property**

Property Values

Tax Year	2002	Market Land	$0	Market Improvement	$0	Market Total	$0

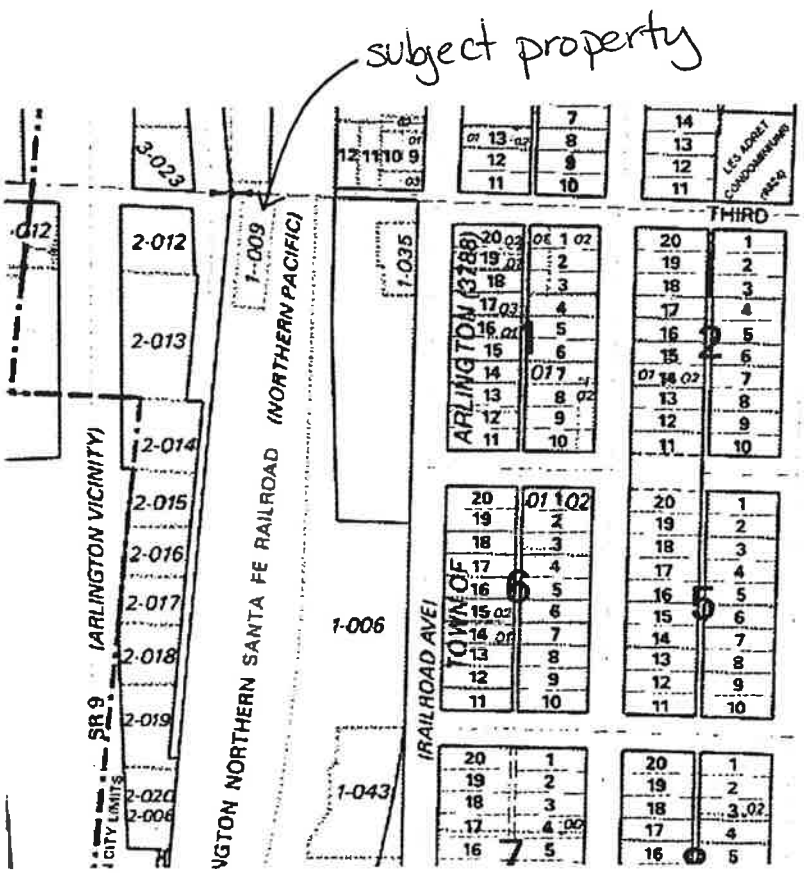
View [Property Sales Information] since 7/31/1999

Parcel Legal Description

Section 11 Township 31 Range 05 Quarter NE. TH PTN NW1/4 NW1/4 NE1/4 LY WLY OF LN DRWN PLW & DIST 10FT WLY AS MEAS AT RT ANG FR BNRR & SANTA FE RR CO (FORMERLY NPRR) LADDER TR C/L AS NOW LOC & CONST UPON, OVER & ACROSS SD NW1/4 NW1/4 NE1/4 & LY N OF LN DRWN PLW & DIST 200FT S AS MEAS AT RT ANG FR N LN SD SEC. EX PROP PER LEASE #501-095 ON LEASE ACCT 009840-501-095-00.

Page updated January 2002

QUARTER	SECTION	TOWNSHIP N.W.B.L.	RANGE E.W.
NE	11	31	5



APPENDIX B

Environmental Data Resources Inc. Report

The EDR Radius Map
with GeoCheck®

Arlington Civic Center
N West Ave/3rd Street
Arlington, WA 98223

Inquiry Number: 781661.2s

May 15, 2002

Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

N WEST AVE/3RD STREET
ARLINGTON, WA 98223

COORDINATES

Latitude (North):	48.194800 - 48° 11' 41.3"
Longitude (West):	122.127900 - 122° 7' 40.4"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	564811.2
UTM Y (Meters):	5338100.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2448122-B2 ARLINGTON WEST, WA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

HSL	Hazardous Sites List
SWF/LF	Solid Waste Facility Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

CSCSL NFA	Confirmed & Contaminated Sites - No Further Action
EMI	Washington Emissions Data System

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 12/01/2001 has revealed that there are 4 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DWAYNE LANES ARLINGTON CHEVROL	*315 WEST AVE*	*0 - 1/8 NNW*	*A1*	*5*
R & L AUTO REPAIR INC	*211 2ND ST*	*0 - 1/8 SE*	*B5*	*7*
BOBS BODY SHOP	*101 E 4TH*	*0 - 1/8 NNE*	*6*	*8*

Lower Elevation	Address	Dist / Dir	Map ID	Page
NORETEP	*540 N OLYMPIC*	*1/8 - 1/4 NNE*	*D15*	*13*

STATE ASTM STANDARD

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, has revealed that there are 2 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
UNOCAL BULK PLANT ARLINGTON	***211TH PL LEBANON ST***	***1/2 - 1 SSW***	***18***	***15***
CHRISTIANSON CO	7415 204TH ST NE	1/2 - 1 S	19	16

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 03/13/2002 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PLAZA, INC.	***319 WEST AVE***	***0 - 1/8 NNW***	***A2***	***5***
ARLINGTON SCHOOL DISTRICT #16	***410 GIFFORD***	***1/4 - 1/2 ENE***	***17***	***14***
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
FRONTIER BANK	525 N OLYMPIC	1/8 - 1/4 NNE	D13	12

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 03/13/2002 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PLAZA, INC.	***319 WEST AVE***	***0 - 1/8 NNW***	***A2***	***5***
JOHN HENKEN CHEVROLET INC	315 WEST AVE PO BOX 158	0 - 1/8 NNW	3	6
ARLINGTON HARDWARE & LUMBER IN	215 N OLYMPIC AVE	0 - 1/8 SE	B4	7
DEAN T OLSEN ARLINGTON SHELL S	404 NO OLYMPIC AVE	1/8 - 1/4 NNE	7	8
BRADLEY MFG & SUPPLIES INC	122 N MCLEOD / PO BOX 4	1/8 - 1/4 SE	8	9
NELSON DISTRIBUTING, INC.	104 S OLYMPIC AVE	1/8 - 1/4 SSE	C9	9
PETROCARD SYSTEMS, INC.	104 S OLYMPIC AVE	1/8 - 1/4 SSE	C10	10
ARLINGTON 76	140 OLYMPIC AVE S	1/8 - 1/4 SSE	11	10
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
FRONTIER BANK	525 N OLYMPIC	1/8 - 1/4 NNE	D12	12
7-ELEVEN STORE 2306-21001J	541 WEST AVE	1/8 - 1/4 N	16	13

STATE OR LOCAL ASTM SUPPLEMENTAL

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the WA ICR list, as provided by EDR, has revealed that there are 2 WA ICR sites within approximately 0.5 miles of the target property.

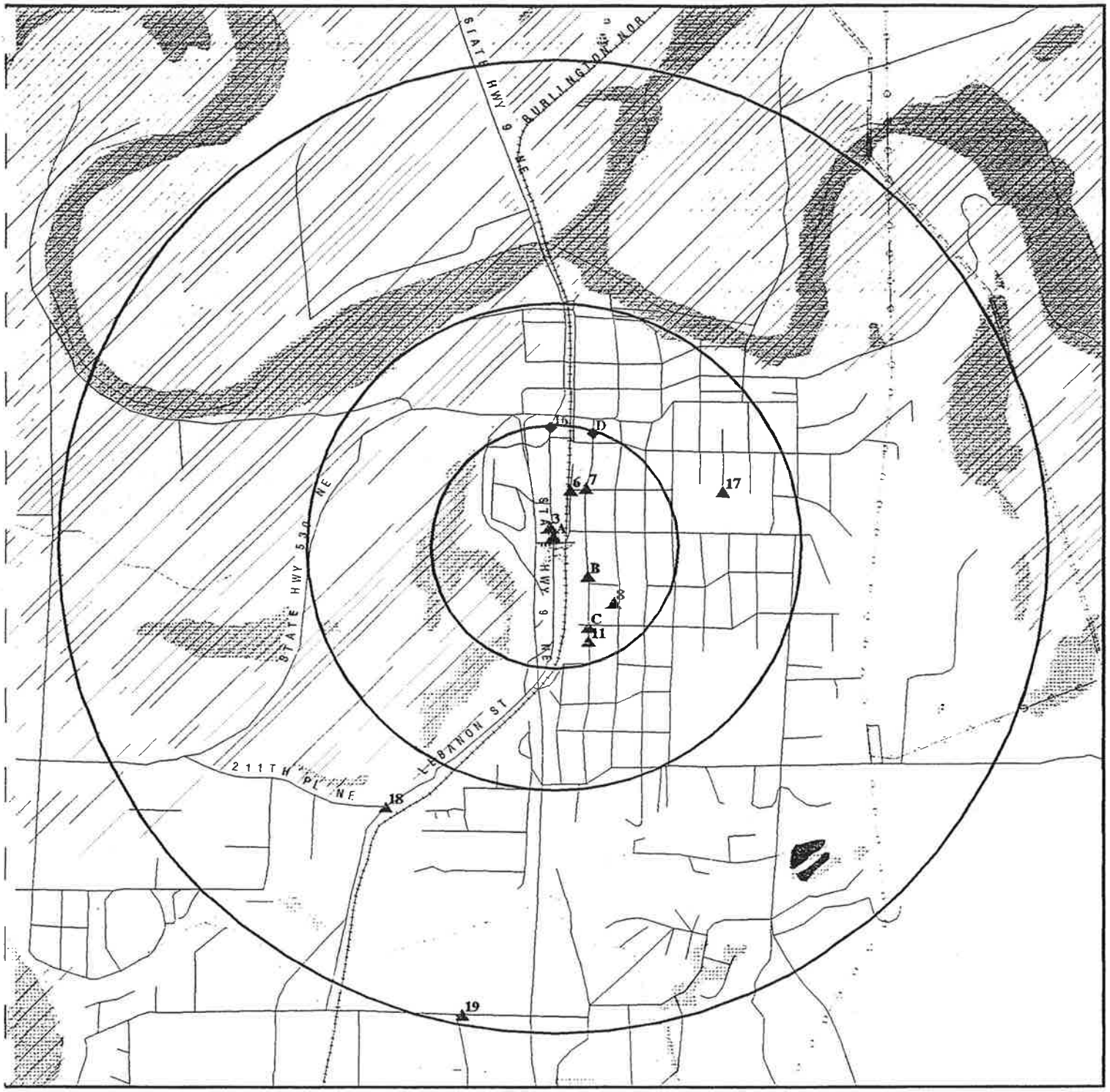
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ARLINGTON SCHOOL DISTRICT #16	*410 GIFFORD*	*1/4 - 1/2 ENE*	*17*	*14*

Lower Elevation	Address	Dist / Dir	Map ID	Page
UNION 76 STATION	540 N. OLYMPIC AVE.	1/8 - 1/4 NNE	D14	13

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
RITE AID FACILITY 5235	CSCSL
ARLINGTON MARYSVILLE LDFL	CERC-NFRAP, SWF/LF
OSO DROP BOX	SWF/LF
OSO SOLID WASTE LANDFILL	SWF/LF
MARVES UNION OIL GAS STATION	LUST
MARVES UNION OIL GAS STATION	LUST
ARLINGTON FUEL STOP, INC.	LUST
ARLINGTON FUEL STOP, INC.	LUST
ARLINGTON FUEL STOP, INC.	LUST
ARLINGTON FUEL STOP, INC.	LUST
ARLINGTON SECTION SHED	UST
SITE SE01 ARLINGTON	UST
JAMES CARL NELSON	UST
MARVES UNION OIL GAS STATION	UST
BURLINGTON NORTHERN SANTA FE RR ARLINGTO	RCRIS-SQG, FINDS
N ARLINGTON	RCRIS-SQG, FINDS
SYNERGY INVESTMENT INC DBA ARLINGTON I5	RCRIS-SQG, FINDS
TEXACO STATION 630760101	RCRIS-SQG, FINDS
OSO DRUG LAB	RCRIS-SQG, FINDS
AT MAIN HANGER AT ARLINGTON AIRPORT BLDG 26, WEST SIDE OF BL	ERNS
ARLINGTON, CITY OF	FINDS
PROPOSED RITE AID (TWO REPORTS)	WA ICR
UNOCAL #0016	WA ICR
UNOCAL #0016 (THREE REPORTS)	WA ICR
BP #11097	WA ICR
CHEVRON #9 9574	WA ICR
OLSON'S SAW SHOP	WA ICR
TEXACO #63 076 0101	WA ICR
TEXACO #63 076 0101 (TWO REPORTS)	WA ICR
WSDOT - HAZEL MAINTENANCE FACILITY	WA ICR
FLYING "T" RANCH	WA ICR
FRONTIER BANK	WA ICR
JUNGER PROPERTY	WA ICR

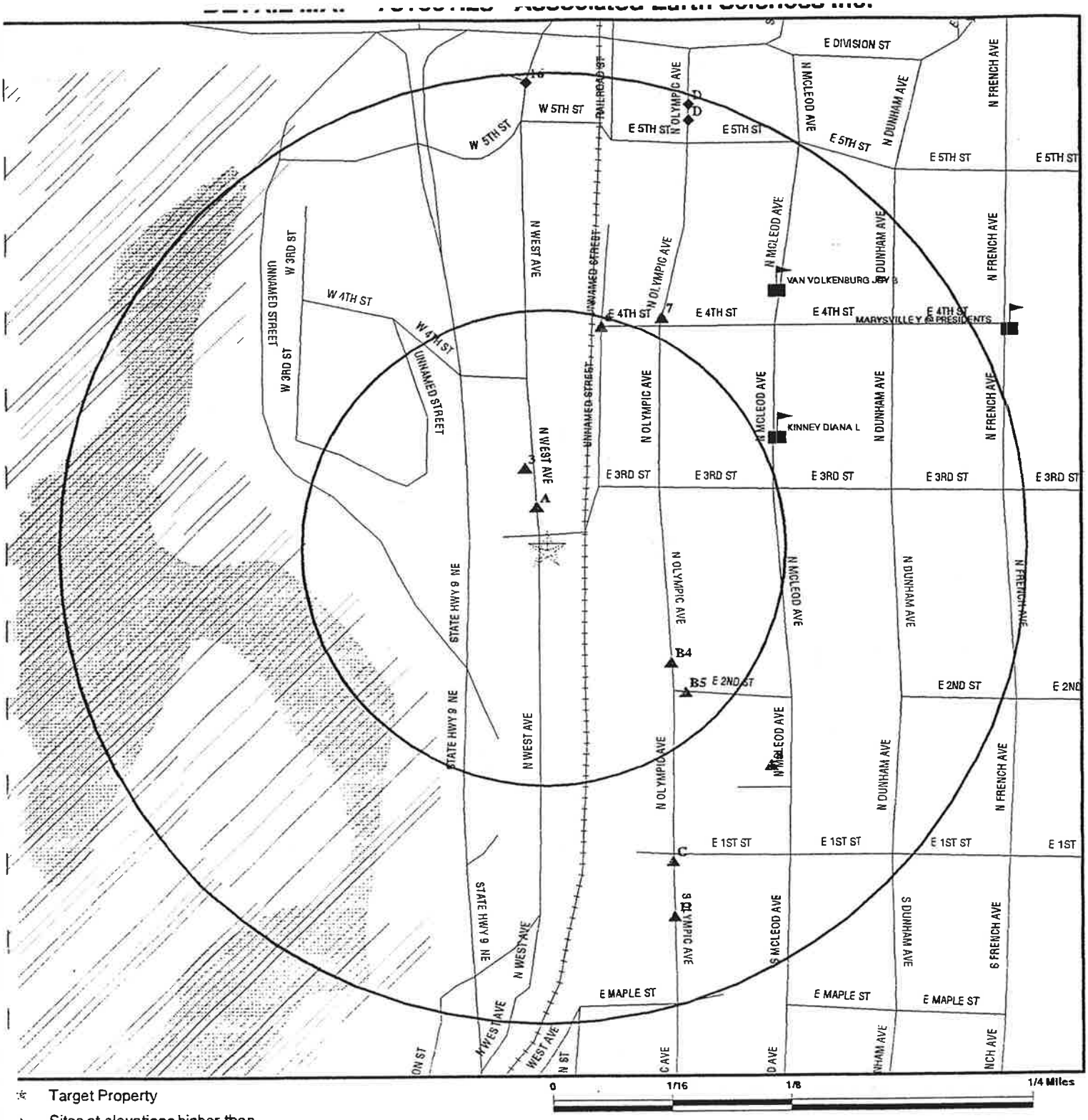
OVERVIEW MAP - 781661.2S - Associated Earth Sciences Inc.



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands

TARGET PROPERTY:	Arlington Civic Center	CUSTOMER:	Associated Earth Sciences Inc.
ADDRESS:	N West Ave/3rd Street	CONTACT:	Keegan Fengler
CITY/STATE/ZIP:	Arlington WA 98223	INQUIRY #:	781661.2s
LAT/LONG:	48.1948 / 122.1279	DATE:	May 15, 2002 7:27 pm



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands

TARGET PROPERTY:	Arlington Civic Center	CUSTOMER:	Associated Earth Sciences Inc.
ADDRESS:	N West Ave/3rd Street	CONTACT:	Keegan Fengler
CITY/STATE/ZIP:	Arlington WA 98223	INQUIRY #:	781661.2s
LAT/LONG:	48.1948 / 122.1279	DATE:	May 15, 2002 7:28 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	3	1	NR	NR	NR	4
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
CSCSL		1.000	0	0	0	2	NR	2
HSL		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	1	1	NR	NR	3
UST		0.250	3	7	NR	NR	NR	10
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
WA ICR		0.500	0	1	1	NR	NR	2
CSCSL NFA		TP	NR	NR	NR	NR	NR	0
WA Emissions		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 **DWAYNE LANES ARLINGTON CHEVROLET GEO** **RCRIS-SQG 1000838578**
NNW **315 WEST AVE** **FINDS WAD988513651**
< 1/8 **ARLINGTON, WA 98223**
100
Higher **Site 1 of 2 in cluster A**

RCRIS:
Owner: DWAYNE LANE
(360) 435-2125
EPA ID: WAD988513651
Contact: DON CORT
(360) 435-2125
Classification: N, Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

A2 **PLAZA, INC.** **UST U003026474**
NNW **319 WEST AVE** **LUST N/A**
< 1/8 **ARLINGTON, WA 98223**
118
Higher **Site 2 of 2 in cluster A**

LUST:
Facility ID: 3134
Release ID: 2105
Release Status: Cleanup Started
Alternate Name: PLAZA 76
Affected Media: Soil
Ecology Region: North Western
Release Date: 4/1/1991 00:00:00
Status Date: 6/1/1995 00:00:00

UST:
Facility ID: 3134
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: Not reported
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 3134
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

PLAZA, INC. (Continued) **U003026474**

Facility ID: 3134
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 3134
Install Date: 12/15/1990 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 3134
Install Date: 12/15/1990 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: DIESEL
Substance: NW
Compartment #: Not reported
Ecology Region: 2

Facility ID: 3134
Install Date: 12/15/1990 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

3
NNW
< 1/8
230
Higher

JOHN HENKEN CHEVROLET INC **UST** **U000799398**
315 WEST AVE PO BOX 158 **N/A**
ARLINGTON, WA 98223

UST:
Facility ID: 5298
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: USED OIL/WASTE OIL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

JOHN HENKEN CHEVROLET INC (Continued) **U000799398**

Facility ID: 5298
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

B4 **ARLINGTON HARDWARE & LUMBER INC** **UST** **U000595905**
SE **215 N OLYMPIC AVE** **N/A**
< 1/8 **ARLINGTON, WA 98223**
468
Higher **Site 1 of 2 in cluster B**

UST:
Facility ID: 12014
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: HEATING FUEL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 12014
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

B5 **R & L AUTO REPAIR INC** **RCRIS-SQG** **1000892030**
SE **211 2ND ST** **FINDS** **WA0000313080**
< 1/8 **ARLINGTON, WA 98223**
554
Higher **Site 2 of 2 in cluster B**

RCRIS:
Owner: JIM REISCHMAN
(360) 403-7125
EPA ID: WA0000313080
Contact: JIM REISCHMAN
(360) 435-3522
Classification: N, Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

R & L AUTO REPAIR INC (Continued) **1000892030**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

6
NNE
< 1/8
635
Higher

BOBS BODY SHOP **RCRIS-SQG 1000137765**
101 E 4TH **FINDS WAD081925026**
ARLINGTON, WA 98223

RCRIS:
Owner: BOBS BODY SHOP
EPA ID: WAD081925026

Contact: ROBERT OLSEN
(360) 652-7859

Classification: N, Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

7
NNE
1/8-1/4
715
Higher

DEAN T OLSEN ARLINGTON SHELL SERVICE **UST U003028952**
404 NO OLYMPIC AVE **N/A**
ARLINGTON, WA 98223

UST:
Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

DEAN T OLSEN ARLINGTON SHELL SERVICE (Continued) **U003028952**

Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: 2,001 TO 4,999 GALLONS
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: 1,101 TO 2,000 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 9643
Install Date: 12/31/1964 0:00
Capacity: 111 TO 1,000 GALLONS
Status: Not reported
Tank Name: USED OIL/WASTE OIL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

8
SE
1/8-1/4
866
Higher

BRADLEY MFG & SUPPLIES INC **UST** **U001124553**
122 N MCLEOD / PO BOX 428 **N/A**
ARLINGTON, WA 98223

UST:
Facility ID: 6520
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: HAZARDOUS SUBSTANCE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

C9
SSE
1/8-1/4
935
Higher

NELSON DISTRIBUTING, INC. **UST** **U003558920**
104 S OLYMPIC AVE **N/A**
ARLINGTON, WA 98223

Site 1 of 2 in cluster C

NELSON DISTRIBUTING, INC. (Continued) **U003558920**

UST:
Facility ID: 471699
Install Date: 1/1/1986 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

C10 **PETROCARD SYSTEMS, INC.** **UST** **U003558934**
SSE **104 S OLYMPIC AVE** **N/A**
1/8-1/4 **ARLINGTON, WA 98223**
935
Higher **Site 2 of 2 in cluster C**

UST:
Facility ID: 5631
Install Date: 12/1/1985 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: DIESEL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 5631
Install Date: 1/1/1986 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 5631
Install Date: 12/1/1985 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

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11 **ARLINGTON 76** **UST** **U003378478**
SSE **140 OLYMPIC AVE S** **N/A**
1/8-1/4 **ARLINGTON, WA 98223**
1080
Higher

ARLINGTON 76 (Continued) **U003378478**

UST:

Facility ID:	8346
Install Date:	12/31/1964 0:00
Capacity:	Not reported
Status:	Not reported
Tank Name:	Not reported
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

Facility ID:	8346
Install Date:	12/31/1964 0:00
Capacity:	Not reported
Status:	Not reported
Tank Name:	UNLEADED GASOLINE
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

Facility ID:	8346
Install Date:	12/31/1964 0:00
Capacity:	Not reported
Status:	Not reported
Tank Name:	UNLEADED GASOLINE
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

Facility ID:	8346
Install Date:	12/31/1964 0:00
Capacity:	Not reported
Status:	Not reported
Tank Name:	LEADED GASOLINE
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

Facility ID:	8346
Install Date:	8/1/1989 0:00
Capacity:	5,000 TO 9,999 GALLONS
Status:	Not reported
Tank Name:	DIESEL
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

Facility ID:	8346
Install Date:	12/31/1964 0:00
Capacity:	Not reported
Status:	Not reported
Tank Name:	LEADED GASOLINE
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

ARLINGTON 76 (Continued) **U003378478**

Facility ID: 8346
Install Date: 8/1/1989 0:00
Capacity: 5,000 TO 9,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 8346
Install Date: 8/10/1989 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 8346
Install Date: 8/1/1989 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

D12 **FRONTIER BANK** UST **U003795260**
NNE **525 N OLYMPIC** **N/A**
1/8-1/4 **ARLINGTON, WA 98223**
1252
Lower **Site 1 of 4 in cluster D**

UST:
Facility ID: 200210
Install Date: Not reported
Capacity: Not reported
Status: Not reported
Tank Name: USED OIL/WASTE OIL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

D13 **FRONTIER BANK** LUST **S101098860**
NNE **525 N OLYMPIC** **N/A**
1/8-1/4 **ARLINGTON, WA 98223**
1252
Lower **Site 2 of 4 in cluster D**

LUST:
Facility ID: 200210
Release ID: 2261
Release Status: Cleanup Started
Alternate Name: FRONTIER BANK
Affected Media: Soil
Ecology Region: North Western
Release Date: 10/29/1990 00:00:00
Status Date: 5/21/1995 00:00:00

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
D14 NNE 1/8-1/4 1293 Lower	**UNION 76 STATION** **540 N. OLYMPIC AVE.** **ARLINGTON, WA 98223**	WA ICR	S104487821 N/A

Site 3 of 4 in cluster D

WA ICR:

Date Ecology Received Report:	06/16/1992
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	92-27
County Code:	31
Contact:	Not reported
Report Title:	Not reported

D15 NNE 1/8-1/4 1293 Lower	**NORETEP** **540 N OLYMPIC** **ARLINGTON, WA 98223**	RCRIS-SQG FINDS	1000660525 WAD988502126

Site 4 of 4 in cluster D

RCRIS:

Owner:	NORETEP (360) 555-1212
EPA ID:	WAD988502126
Contact:	RONALD SCHULTZ (360) 652-8900
Classification:	Small Quantity Generator
Used Oil Recyc:	No
TSDF Activities:	Not reported
Violation Status:	No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
- Facility Registry System (FRS)
- Resource Conservation and Recovery Act Information system (RCRAINFO)

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16 North 1/8-1/4 1294 Lower	**7-ELEVEN STORE 2306-21001J** **541 WEST AVE** **ARLINGTON, WA 98223**	UST	U003152723 N/A

UST:

Facility ID:	8643
Install Date:	3/1/1979 0:00
Capacity:	10,000 TO 19,999 GALLONS
Status:	Not reported
Tank Name:	UNLEADED GASOLINE
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

7-ELEVEN STORE 2306-21001J (Continued) **U003152723**

Facility ID: 8643
Install Date: 3/1/1979 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 8643
Install Date: 3/1/1979 0:00
Capacity: 10,000 TO 19,999 GALLONS
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

17
ENE
1/4-1/2
1894
Higher

ARLINGTON SCHOOL DISTRICT #16 **UST** **U001122983**
410 GIFFORD **WA ICR** **N/A**
ARLINGTON, WA 98223 **LUST**

LUST:
Facility ID: 2997
Release ID: 5632
Release Status: Cleanup Started
Alternate Name: ARLINGTON SCHOOL DIST BUS YARD
Affected Media: Soil
Ecology Region: North Western
Release Date: 1/17/1995 00:00:00
Status Date: 6/1/1995 00:00:00

WA ICR:
Date Ecology Received Report: 01/17/1995
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-44
County Code: 31
Contact: Not reported
Report Title: Not reported

UST:
Facility ID: 2997
Install Date: 9/1/1968 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

ARLINGTON SCHOOL DISTRICT #16 (Continued) **U001122983**

Facility ID: 2997
Install Date: 4/15/1982 0:00
Capacity: Not reported
Status: Not reported
Tank Name: Not reported
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 2997
Install Date: 4/15/1982 0:00
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

18
SSW
1/2-1
3339
Higher

UNOCAL BULK PLANT ARLINGTON
211TH PL LEBANON ST
ARLINGTON, WA 98223

RCRIS-SQG **1000697047**
FINDS **WAD988507208**
CSCSL

RCRIS:
Owner: UNOCAL BP
(360) 555-1212
EPA ID: WAD988507208

Contact: GARY GUNDERSON
(206) 443-7525

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

SHWS:
Facility ID: 2810
Responsible Unit: NW
Latitude: 48 11 13
Longitude: 122 8 7
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
2 - Moderate to greatest assessed risk to human health and to the environment
Affected Media: Ground Water
Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported

UNOCAL BULK PLANT ARLINGTON (Continued) **1000697047**

Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Suspected to be present
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 2810
Responsible Unit: NW
Latitude: 48 11 13
Longitude: 122 8 7
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
2 - Moderate to greatest assessed risk to human health and to the environment
Affected Media: Soil
Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Suspected to be present
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

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19 South 1/2-1 5169 Higher
CHRISTIANSON CO
7415 204TH ST NE
ARLINGTON, WA 98223

CSCSL S103084099
N/A

CHRISTIANSON CO (Continued) **S103084099**

SHWS:
Facility ID: 2787
Responsible Unit: NW
Latitude: 48 10 52
Longitude: 122 7 55
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
5 - Lowest assessed risk to human health and to the environment
Affected Media: Soil
Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
Horizontal Collection Method: 3
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Facility ID: 2787
Responsible Unit: NW
Latitude: 48 10 52
Longitude: 122 7 55
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
5 - Lowest assessed risk to human health and to the environment
Affected Media: Ground Water
Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
Horizontal Collection Method: 3
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported

CHRISTIANSON CO (Continued) **S103084099**

Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 2787
Responsible Unit: NW
Latitude: 48 10 52
Longitude: 122 7 55
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
5 - Lowest assessed risk to human health and to the environment
Affected Media: Air
Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 2787
Responsible Unit: NW
Latitude: 48 10 52
Longitude: 122 7 55
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
5 - Lowest assessed risk to human health and to the environment
Affected Media: Drinking Water
Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site
Arsenic Code: Not reported

CHRISTIANSON CO (Continued) **S103084099**

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
Horizontal Collection Method:	3
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
ARLINGTON	S103504623	PROPOSED RITE AID (TWO REPORTS)	172ND ST. NE AND SMOKEY POINT BLVD.	98223	WA ICR	
ARLINGTON	S104490923	RITE AID FACILITY 5235	172ND ST NE / NW CORNER OF SMOKEY PT	98223	CSCSL	37466747
ARLINGTON	S103504309	UNOCAL #0016	211TH PLACE NE	98223	WA ICR	
ARLINGTON	S103850595	UNOCAL #0016 (THREE REPORTS)	211TH PLACE NE	98223	WA ICR	
ARLINGTON	S103384907	BP #11097	RT. 530 / I-5	98223	WA ICR	
ARLINGTON	S103503696	CHEVRON #9 9574	2233 SR 530 NE	98223	WA ICR	
ARLINGTON	S103508484	OLSON'S SAW SHOP	11708 SR 530 NE	98223	WA ICR	
ARLINGTON	S103509799	TEXACO #63 076 0101	1801 SR 530	98223	WA ICR	
ARLINGTON	S103510075	TEXACO #63 076 0101 (TWO REPORTS)	1801 SR 530	98223	WA ICR	
ARLINGTON	S103511035	WSDOT - HAZEL MAINTENANCE FACILITY	31509 S.R. 530 NE	98223	WA ICR	
ARLINGTON	S103511573	FLYING "T" RANCH	13305 SR 530	98223	WA ICR	
ARLINGTON	U003604723	ARLINGTON SECTION SHED	MP 8.0 SOUTH OF 4TH AVE	98223	UST	492870
ARLINGTON	1001121560	BURLINGTON NORTHERN SANTA FE RR ARLINGTO	MP 8.0 S OF 4TH AVE	98223	RCRIS-SQG, FINDS	
ARLINGTON	1003880498	ARLINGTON MARYSVILLE LDFL	ARLINGTON AIRPORT	98223	CERC-NFRAP, SWF/LF	
ARLINGTON	S104179625	OSO DROP BOX	30022 203RD AVE NE	98223	SWF/LF	
ARLINGTON	U001127972	SITE SE01 ARLINGTON	22808 35TH AVENUE NE	98223	UST	100625
ARLINGTON	S105200713	OSO SOLID WASTE LANDFILL	31705 LK CAVANAUGH RD	98223	SWF/LF	
ARLINGTON	1000659518	N ARLINGTON	END OF 13TH NE 150 FT N OF INT	98223	RCRIS-SQG, FINDS	
ARLINGTON	1004613121	ARLINGTON, CITY OF	HALLER AVENUE	98223	FINDS	
ARLINGTON	93325547	AT MAIN HANGER AT ARLINGTON AIRPORT BLDG 26, WEST SIDE OF BL	AT MAIN HANGER AT ARLINGTON AIRPORT BL 26, WEST SIDE OF BL		ERNS	
ARLINGTON	1000658916	SYNERGY INVESTMENT INC DBA ARLINGTON I5	2233 SR530 NE	98223	RCRIS-SQG, FINDS	
ARLINGTON	U001126544	JAMES CARL NELSON	1622 172 NORTH EAST/PO BOX 187	98223	UST	10884
ARLINGTON	U000595190	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	UST	11171
ARLINGTON	S103507532	FRONTIER BANK	525 OLYMPIC AVE.	98223	WA ICR	
ARLINGTON	S105247874	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	LUST	11171
ARLINGTON	S105247875	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	LUST	11171
ARLINGTON	S105247869	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247868	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247867	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247866	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S103507921	JUNGER PROPERTY	5410 199TH ST. NE	98223	WA ICR	
ARLINGTON	1001490800	TEXACO STATION 630760101	STATE RD	98223	RCRIS-SQG, FINDS	
OSO	1000199677	OSO DRUG LAB	HWY 530 MI 35.5	98223	RCRIS-SQG, FINDS	

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/29/02
Date Made Active at EDR: 02/25/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/02
Elapsed ASTM days: 21
Date of Last EDR Contact: 02/04/02

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 01/17/02
Date Made Active at EDR: 02/25/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/02
Elapsed ASTM days: 21
Date of Last EDR Contact: 02/04/02

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 03/25/02

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 03/25/02

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/14/01
Date Made Active at EDR: 01/14/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/14/01
Elapsed ASTM days: 61
Date of Last EDR Contact: 03/11/02

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 12/01/01
Date Made Active at EDR: 04/08/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/04/02
Elapsed ASTM days: 63
Date of Last EDR Contact: 03/04/02

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 02/01/02

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/18/02
Date of Next Scheduled EDR Contact: 06/17/02

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 04/09/02
Date of Next Scheduled EDR Contact: 07/08/02

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/29/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/04/02
Date of Next Scheduled EDR Contact: 05/06/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/02
Date of Next Scheduled EDR Contact: 07/08/02

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 04/22/02
Date of Next Scheduled EDR Contact: 07/22/02

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/14/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/08/02
Date of Next Scheduled EDR Contact: 07/08/02

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 12/14/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/01/02
Date of Next Scheduled EDR Contact: 07/01/02

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/26/02
Date of Next Scheduled EDR Contact: 05/27/02

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/01/01
Database Release Frequency: Annually

Date of Last EDR Contact: 02/12/02
Date of Next Scheduled EDR Contact: 05/13/02

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/11/02
Date of Next Scheduled EDR Contact: 06/10/02

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 03/25/02
Date of Next Scheduled EDR Contact: 06/24/02

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/11/02
Date of Next Scheduled EDR Contact: 06/10/02

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/11/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/25/02
Date of Next Scheduled EDR Contact: 06/24/02

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 01/14/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/25/02
Date of Next Scheduled EDR Contact: 06/24/02

STATE OF WASHINGTON ASTM STANDARD RECORDS

CSCSL: Confirmed & Suspected Contaminated Sites List
Source: Department of Ecology
Telephone: 360-407-7200
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/26/01
Date Made Active at EDR: 01/09/02
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/11/01
Elapsed ASTM days: 29
Date of Last EDR Contact: 02/22/02

HSL: Hazardous Sites List
Source: Department of Ecology
Telephone: 360-407-7200
The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/26/02
Date Made Active at EDR: 04/10/02
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 03/11/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/11/02

SWF/LF: Solid Waste Facility Database
Source: Department of Ecology
Telephone: 360-407-6132
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/01/01
Date Made Active at EDR: 12/19/01
Database Release Frequency: Annually
Date of Data Arrival at EDR: 12/04/01
Elapsed ASTM days: 15
Date of Last EDR Contact: 04/09/02

LUST: Leaking Underground Storage Tanks Site List
Source: Department of Ecology
Telephone: 360-407-7200
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/13/02
Date Made Active at EDR: 03/29/02
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/18/02
Elapsed ASTM days: 11
Date of Last EDR Contact: 03/18/02

UST: Underground Storage Tank Database
Source: Department of Ecology
Telephone: 360-407-7170
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/13/02
Date Made Active at EDR: 04/08/02
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/18/02
Elapsed ASTM days: 21
Date of Last EDR Contact: 03/18/02

STATE OF WASHINGTON ASTM SUPPLEMENTAL RECORDS

ICR: Independent Cleanup Reports
Source: Department of Ecology
Telephone: 360-407-7200
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree.

Date of Government Version: 10/31/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/18/02
Date of Next Scheduled EDR Contact: 05/20/02

CSCSL NFA: Confirmed & Contaminated Sites - No Further Action
Source: Department of Ecology
Telephone: 360-407-7170
The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 11/26/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/11/02
Date of Next Scheduled EDR Contact: 02/18/02

EMI: Washington Emissions Data System
Source: Department of Ecology
Telephone: 360-407-6040

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 04/22/02
Date of Next Scheduled EDR Contact: 07/22/02

LOCAL RECORDS

KING COUNTY:

Abandoned Landfill Study in King County
Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/21/94
Date of Next Scheduled EDR Contact: N/A

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle
Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/84
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/21/94
Date of Next Scheduled EDR Contact: N/A

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project
Source: Department of Public Health
Telephone: 206-296-4785
This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/86
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/14/95
Date of Next Scheduled EDR Contact: N/A

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District
Source: Snohomish Health District
Telephone: 206-339-5250

Date of Government Version: 01/17/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/22/02
Date of Next Scheduled EDR Contact: 04/22/02

TACOMA/PIERCE COUNTY:

Closed Landfill Survey
Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 04/15/93
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/11/95
Date of Next Scheduled EDR Contact: N/A

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ARLINGTON CIVIC CENTER
N WEST AVE/3RD STREET
ARLINGTON, WA 98223

TARGET PROPERTY COORDINATES

Latitude (North):	48.194801 - 48° 11' 41.3"
Longitude (West):	122.127899 - 122° 7' 40.4"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	564811.2
UTM Y (Meters):	5338100.5

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2448122-B2 ARLINGTON WEST, WA
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General NW

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SNOHOMISH, WA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 5302710001A / CBPP

Additional Panels in search area: 53553400408 / CBPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
ARLINGTON WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	2.0 miles
Location Relative to TP:	1/4 - 1/2 Mile South
Site Name:	ARLINGTON FORD
Site EPA ID Number:	WAD061677647
Groundwater Flow Direction:	NOT AVAILABLE
Inferred Depth to Water:	10 feet
Hydraulic Connection:	Soils at the site are highly permeable and the underlying aquifer is present in alluvium composed of clay, silt, peat, sand, and gravel.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
5	1/2 - 1 Mile ESE	S
7	1 - 2 Miles NW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: PILCHUCK

Soil Surface Texture: loamy sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information

	Boundary			Classification			
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**	**Permeability Rate (in/hr)**	**Soil Reaction (pH)**
1	0 inches	20 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	20 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.60
3	38 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COURSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 6.10
4	60 inches	70 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	fine sandy loam silt loam silty clay loam gravelly - loam gravelly - coarse sand muck loam
Surficial Soil Types:	fine sandy loam silt loam silty clay loam gravelly - loam gravelly - coarse sand muck loam
Shallow Soil Types:	fine sandy loam silty clay loam silt loam peaty - silt loam loam sandy loam
Deeper Soil Types:	silt loam silty clay loam very gravelly - coarse sand stratified loamy fine sand very gravelly - sand sapric material sand very gravelly - loamy sand loamy sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

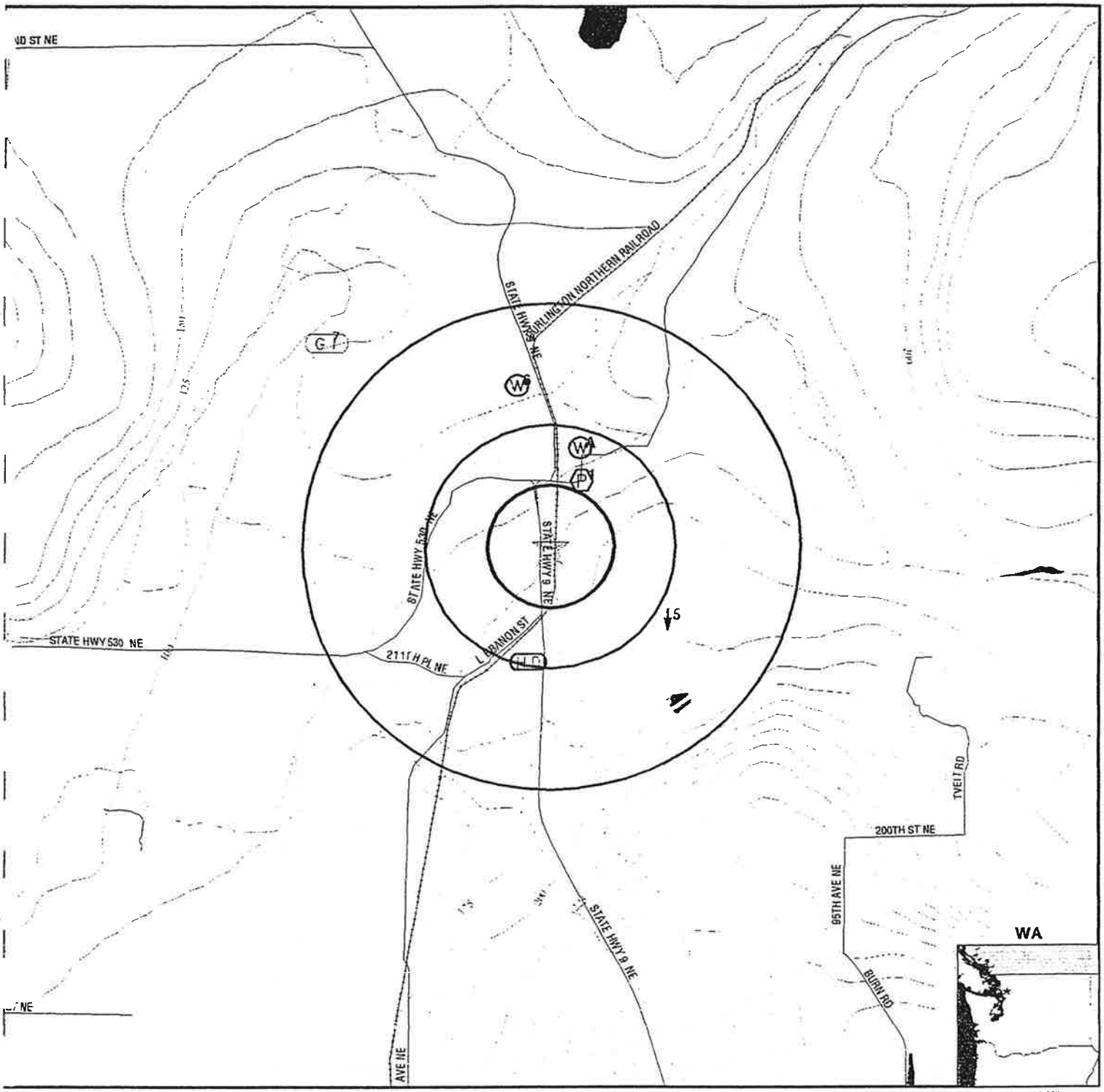
MAP ID	WELL ID	LOCATION FROM TP
1	WA5307581	1/4 - 1/2 Mile NNE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	WAGRP0000000130	1/4 - 1/2 Mile NNE
A3	WAGRP0000000131	1/4 - 1/2 Mile NNE
A4	WAGRP0000000132	1/4 - 1/2 Mile NNE
6	WAGRP0000002445	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 781661.2s



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons
- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data

TARGET PROPERTY:	Arlington Civic Center	CUSTOMER:	Associated Earth Sciences Inc.
ADDRESS:	N West Ave/3rd Street	CONTACT:	Keegan Fengler
CITY/STATE/ZIP:	Arlington WA 98223	INQUIRY #:	781661.2s
LAT/LONG:	48.1948 / 122.1279	DATE:	May 15, 2002 7:28 pm

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **NNE** **1/4 - 1/2 Mile** **Lower**		**FRDS PWS**	**WA5307581**

PWS ID: WA5307581 PWS Status: Not Reported
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: POESCHEL & SCHULTZ SYSTEM 3
STANWOOD, WA 98292

Addressee / Facility: Not Reported

Facility Latitude: 48 11 56 Facility Longitude: 122 07 26
City Served: Not Reported
Treatment Class: Treated Population: 123

PWS currently has or had major violation(s) or enforcement: Yes

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: POESCHEL & SCHULTZ SYSTEM
Violation Type: Max Contaminant Level, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1998-07-01 - 1998-07-31 Analytical Value: 0000000.000000000
Violation ID: 98075467 Enforcement ID: Not Reported
Enforcement Date: Not Reported Enf. Action: Not Reported

System Name: POESCHEL & SCHULTZ SYSTEM
Violation Type: Max Contaminant Level, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1999-10-01 - 1999-10-31 Analytical Value: 0000000.000000000
Violation ID: 0000734 Enforcement ID: 0000063
Enforcement Date: 1999-10-31 Enf. Action: State Violation/Reminder Notice

System Name: POESCHEL & SCHULTZ SYSTEM
Violation Type: Max Contaminant Level, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1999-10-01 - 1999-10-31 Analytical Value: 0000000.000000000
Violation ID: 0000734 Enforcement ID: 0010017
Enforcement Date: 1999-10-31 Enf. Action: State Public Notif Requested

System Name: POESCHEL & SCHULTZ SYSTEM
Violation Type: Max Contaminant Level, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1999-10-01 - 1999-10-31 Analytical Value: 0000000.000000000
Violation ID: 0000734 Enforcement ID: 0010027
Enforcement Date: 1999-10-31 Enf. Action: State Public Notif Received

System Name: POESCHEL & SCHULTZ SYSTEM
Violation Type: Max Contaminant Level, Monthly (TCR)
Contaminant: COLIFORM (TCR)
Compliance Period: 1998-07-01 - 1998-07-31 Analytical Value: 0000000.000000000
Violation ID: 98000570 Enforcement ID: 98000057
Enforcement Date: 1998-07-31 Enf. Action: State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-07-01 - 1998-07-31	Analytical Value:	0000000.000000000
Violation ID:	98000570	Enforcement ID:	98007015
Enforcement Date:	1998-07-31	Enf. Action:	State Public Notif Requested
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-07-01 - 1998-07-31	Analytical Value:	0000000.000000000
Violation ID:	98000570	Enforcement ID:	98007025
Enforcement Date:	1998-07-31	Enf. Action:	State Public Notif Received
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31	Analytical Value:	0000000.000000000
Violation ID:	9950923	Enforcement ID:	9900061
Enforcement Date:	1999-05-31	Enf. Action:	State Violation/Reminder Notice
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31	Analytical Value:	0000000.000000000
Violation ID:	9950923	Enforcement ID:	9905016
Enforcement Date:	1999-05-31	Enf. Action:	State Public Notif Requested
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1999-05-01 - 1999-05-31	Analytical Value:	0000000.000000000
Violation ID:	9950923	Enforcement ID:	9905026
Enforcement Date:	1999-05-31	Enf. Action:	State Public Notif Received
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-09-01 - 1994-09-30	Analytical Value:	00000000.00
Violation ID:	9475029	Enforcement ID:	9400037
Enforcement Date:	1994-09-30	Enf. Action:	State Violation/Reminder Notice
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-19 - 1994-11-18	Analytical Value:	00000000.00
Violation ID:	9500118	Enforcement ID:	9531000
Enforcement Date:	1994-10-19	Enf. Action:	State Violation/Reminder Notice
System Name:	POESCHEL & SCHULTZ SYSTEM		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-09-01 - 1995-09-30	Analytical Value:	00000000.00
Violation ID:	9575101	Enforcement ID:	9500042
Enforcement Date:	1995-09-30	Enf. Action:	State Violation/Reminder Notice
System Name:	POESCHEL & SCHULTZ SYSTEM 3		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-06-01 - 2001-06-30	Analytical Value:	
Violation ID:	Not Reported	Enforcement ID:	0100066
Enforcement Date:	2001-06-30	Enf. Action:	State Violation/Reminder Notice

ENFORCEMENT INFORMATION:

System Name:	POESCHEL & SCHULTZ SYSTEM 3		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-06-01 - 2001-06-30	Analytical Value:	.
Violation ID:	Not Reported	Enforcement ID:	0106018
Enforcement Date:	2001-06-30	Enf. Action:	State Public Notif Requested
System Name:	POESCHEL & SCHULTZ SYSTEM 3		
Violation Type:	Max Contaminant Level, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-06-01 - 2001-06-30	Analytical Value:	.
Violation ID:	Not Reported	Enforcement ID:	0106028
Enforcement Date:	2001-06-30	Enf. Action:	State Public Notif Received

---

A2
NNE
1/4 - 1/2 Mile
Lower

WA WELLS **WAGRP0000000130**

Source Name:	GWI WELL HALLER B	Range:	05E
Township:	31	Section:	02
QTR Section:	SENW	Source Type:	WW
Source Use:	P	SP X:	1603820
SP Y:	1049930	PWS Name:	ARLINGTON WATER DEPT
PWS ID:	02950	Source:	01
Key ID:	0295001		

A3
NNE
1/4 - 1/2 Mile
Lower

WA WELLS **WAGRP0000000131**

Source Name:	GWI WELL HALLER B	Range:	05E
Township:	31	Section:	02
QTR Section:	SENW	Source Type:	WW
Source Use:	P	SP X:	1603820
SP Y:	1049930	PWS Name:	ARLINGTON WATER DEPT
PWS ID:	02950	Source:	02
Key ID:	0295002		

A4
NNE
1/4 - 1/2 Mile
Lower

WA WELLS **WAGRP0000000132**

Source Name:	HALLER BRIDGE PAR	Range:	05E
Township:	31	Section:	02
QTR Section:	SENW	Source Type:	WW
Source Use:	P	SP X:	1603820
SP Y:	1049930	PWS Name:	ARLINGTON WATER DEPT
PWS ID:	02950	Source:	03
Key ID:	0295003		

5
ESE
1/2 - 1 Mile
Higher

AQUIFLOW **16178**

Site ID:	3150536-00
Groundwater Flow:	S
Shallow Water Depth:	6.64
Deep Water Depth:	12.86
Average Water Depth:	Not Reported
Date:	10/95

6
NNW
1/2 - 1 Mile
Lower

WA WELLS **WAGRP0000002445**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Source Name:	HALLER BRIDGE PARK WELL FIELD	Range:	05E
Township:	31	Section:	02
QTR Section:	SENW	Source Type:	WF
Source Use:	P	SP X:	1602490
SP Y:	1051320	PWS Name:	ARLINGTON WATER DEPT
PWS ID:	02950	Source:	05
Key ID:	0295005		

7
NW
1 - 2 Miles
Lower

Site ID:	4173
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	20
Date:	08/20/1991

AQUIFLOW **42061**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SNOHOMISH County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 98223

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells
Source: Department of Transportation
Telephone: 360-705-7444
Group A well location points in Washington State.

Kitsap County Water Wells in Washington
Source: Public Utility District No. 1 of Kitsap County
Telephone: 206-779-7656

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
ARLINGTON	S103504623	PROPOSED RITE AID (TWO REPORTS)	172ND ST. NE AND SMOKEY POINT BLVD.	98223	WA ICR	
ARLINGTON	S104490923	RITE AID FACILITY 5235	172ND ST NE / NW CORNER OF SMOKEY PT	98223	CSCSL	37466747
ARLINGTON	S103504309	UNOCAL #0016	211TH PLACE NE	98223	WA ICR	
ARLINGTON	S103850595	UNOCAL #0016 (THREE REPORTS)	211TH PLACE NE	98223	WA ICR	
ARLINGTON	S103384907	BP #11097	RT. 530 / I-5	98223	WA ICR	
ARLINGTON	S103503696	CHEVRON #9 9574	2233 SR 530 NE	98223	WA ICR	
ARLINGTON	S103508484	OLSON'S SAW SHOP	11708 SR 530 NE	98223	WA ICR	
ARLINGTON	S103509799	TEXACO #63 076 0101	1801 SR 530	98223	WA ICR	
ARLINGTON	S103510075	TEXACO #63 076 0101 (TWO REPORTS)	1801 SR 530	98223	WA ICR	
ARLINGTON	S103511035	WSDOT - HAZEL MAINTENANCE FACILITY	31509 S.R. 530 NE	98223	WA ICR	
ARLINGTON	S103511573	FLYING "T" RANCH	13305 SR 530	98223	WA ICR	
ARLINGTON	U003604723	ARLINGTON SECTION SHED	MP 8.0 SOUTH OF 4TH AVE	98223	UST	492870
ARLINGTON	1001121560	BURLINGTON NORTHERN SANTA FE RR ARLINGTO	MP 8.0 S OF 4TH AVE	98223	RCRIS-SQG, FINDS	
ARLINGTON	1003880498	ARLINGTON MARYSVILLE LDFL	ARLINGTON AIRPORT	98223	CERC-NFRAP, SWF/LF	
ARLINGTON	S104179625	OSO DROP BOX	30022 203RD AVE NE	98223	SWF/LF	
ARLINGTON	U001127972	SITE SE01 ARLINGTON	22808 35TH AVENUE NE	98223	UST	100625
ARLINGTON	S105200713	OSO SOLID WASTE LANDFILL	31705 LK CAVANAUGH RD	98223	SWF/LF	
ARLINGTON	1000659518	N ARLINGTON	END OF 13TH NE 150 FT N OF INT	98223	RCRIS-SQG, FINDS	
ARLINGTON	1004613121	ARLINGTON, CITY OF	HALLER AVENUE	98223	FINDS	
ARLINGTON	93325547	AT MAIN HANGER AT ARLINGTON AIRPORT BLDG 26, WEST SIDE OF BL	AT MAIN HANGER AT ARLINGTON AIRPORT BL 26, WEST SIDE OF BL		ERNS	
ARLINGTON	1000658916	SYNERGY INVESTMENT INC DBA ARLINGTON I5	2233 SR530 NE	98223	RCRIS-SQG, FINDS	
ARLINGTON	U001126544	JAMES CARL NELSON	1622 172 NORTH EAST/PO BOX 187	98223	UST	10884
ARLINGTON	U000595190	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	UST	11171
ARLINGTON	S103507532	FRONTIER BANK	525 OLYMPIC AVE.	98223	WA ICR	
ARLINGTON	S105247874	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	LUST	11171
ARLINGTON	S105247875	MARVES UNION OIL GAS STATION	540 OLYMPIC AVE	98223	LUST	11171
ARLINGTON	S105247869	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247868	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247867	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S105247866	ARLINGTON FUEL STOP, INC.	1801 PIONEER HWY E	98223	LUST	6260
ARLINGTON	S103507921	JUNGER PROPERTY	5410 199TH ST. NE	98223	WA ICR	
ARLINGTON	1001490800	TEXACO STATION 630760101	STATE RD	98223	RCRIS-SQG, FINDS	
OSO	1000199677	OSO DRUG LAB	HWY 530 MI 35.5	98223	RCRIS-SQG, FINDS	

Site	Database(s)	EDR ID Number EPA ID Number

PROPOSED RITE AID (TWO REPORTS)
172ND ST. NE AND SMOKEY POINT BLVD.
ARLINGTON, WA 98223

WA ICR **S103504623**
N/A

WA ICR:

Date Ecology Received Report:	09/01/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-07
County Code:	31
Contact:	Not reported
Report Title:	Not reported

RITE AID FACILITY 5235
172ND ST NE / NW CORNER OF SMOKEY PT
ARLINGTON, WA 98223

CSCSL **S104490923**
N/A

SHWS:

Facility ID: 37466747
Responsible Unit: NW
Latitude: 48 9 13
Longitude: 122 11 5
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Ground Water
Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Facility ID: 37466747
Responsible Unit: NW
Latitude: 48 9 13
Longitude: 122 11 5
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Site	Database(s)	EDR ID Number EPA ID Number

RITE AID FACILITY 5235 (Continued) S104490923

Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Not reported
Affected Media: Soil
Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet cleanup levels established for the site. (This status determination may only be made by Ecology
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
Horizontal Collection Method:	4
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Treated, removed, or contained
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

UNOCAL #0016
211TH PLACE NE
ARLINGTON, WA 98223

WA ICR S103504309
N/A

WA ICR:

Date Ecology Received Report:	05/09/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-26
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	12/12/1996
Contaminants Found at Site:	Petroleum products Non-halogenated compounds
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-53
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	07/18/2000
Contaminants Found at Site:	Petroleum products

Site	Database(s)	EDR ID Number EPA ID Number

UNOCAL #0016 (Continued) S103504309

Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-32
County Code:	31
Contact:	Not reported
Report Title:	June 2000 Quarterly Ground Water & Remediation Systems
Date Ecology Received Report:	09/28/2001
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Above ground tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-39
County Code:	31
Contact:	Not reported
Report Title:	February 2001 Quarterly Ground Water and Remediation System Monitoring
Date Ecology Received Report:	10/01/2001
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-41
County Code:	31
Contact:	Not reported
Report Title:	August 2001 Quarterly Ground Water and Remediation System Monitoring
Date Ecology Received Report:	07/25/2001
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-42
County Code:	31
Contact:	Not reported
Report Title:	May 2001 Quarterly Ground Water and Remediation System Monitoring
Date Ecology Received Report:	06/10/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-05
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	04/03/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported

Site	Database(s)	EDR ID Number EPA ID Number

UNOCAL #0016 (Continued) S103504309

Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-10
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/25/2000
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-22
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/06/1993
Contaminants Found at Site:	Petroleum products Non-haologenated solvents
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	92-42
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/09/1995
Contaminants Found at Site:	Petroleum products Non-halogenated compounds
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-51
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/17/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Not reported
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-21
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	05/24/1993
Contaminants Found at Site:	Metals Petroleum products Non-haologenated solvents

Site	Database(s)	EDR ID Number EPA ID Number

UNOCAL #0016 (Continued) S103504309

Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-05
County Code:	31
Contact:	Not reported
Report Title:	Not reported

UNOCAL #0016 (THREE REPORTS) WA ICR S103850595
211TH PLACE NE N/A
ARLINGTON, WA 98223

WA ICR:

Date Ecology Received Report:	01/25/1999
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-13
County Code:	31
Contact:	Not reported
Report Title:	Not reported

BP #11097 WA ICR S103384907
RT. 530 / I-5 N/A
ARLINGTON, WA 98223

WA ICR:

Date Ecology Received Report:	12/07/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-43
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	02/23/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-15
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	04/12/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report

Site	Database(s)	EDR ID Number EPA ID Number

BP #11097 (Continued) S103384907

Site Register Issue:	94-15
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	07/07/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-15
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	09/20/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-15
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	08/12/1996
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-44
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/16/1997
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-45
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	10/10/1996
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-45
County Code:	31

Site	Database(s)	EDR ID Number EPA ID Number

BP #11097 (Continued) S103384907

Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/02/1997
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 95-01
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 12/29/1998
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 95-18
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 11/29/1995
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-17
County Code: 31
Contact: Not reported
Report Title: Not reported

CHEVRON #9 9574 WA ICR **S103503696**
2233 SR 530 NE **N/A**
ARLINGTON, WA 98223

WA ICR:
Date Ecology Received Report: 08/16/1996
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-44
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/12/1993
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report

Site	Database(s)	EDR ID Number EPA ID Number

CHEVRON #9 9574 (Continued) S103503696

Site Register Issue:	92-51
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/08/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-22
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	09/08/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-48
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/30/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-49
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	08/28/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-13
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	05/03/2001
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-36
County Code:	31

Site	Database(s)	EDR ID Number EPA ID Number

CHEVRON #9 9574 (Continued) S103503696

Contact:	Not reported
Report Title:	Ground Water Monitoring and Sampling - 3/17/01
Date Ecology Received Report:	10/04/2001
Contaminants Found at Site:	Not reported
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-42
County Code:	31
Contact:	Not reported
Report Title:	Supplemental Environmental Investigation
Date Ecology Received Report:	02/15/2001
Contaminants Found at Site:	Not reported
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-42
County Code:	31
Contact:	Not reported
Report Title:	Ground Water Monitoring - December 2000
Date Ecology Received Report:	09/03/1997
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	95-18
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	12/16/1999
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-43
County Code:	31
Contact:	Not reported
Report Title:	1999 Ground Water Monitoring
Date Ecology Received Report:	11/12/1998
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-13
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Site	Database(s)	EDR ID Number EPA ID Number

OLSON'S SAW SHOP
11708 SR 530 NE
ARLINGTON, WA 98223

WA ICR **S103508484**
N/A

WA ICR:

Date Ecology Received Report:	04/30/1993
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	93-02
County Code:	31
Contact:	Not reported
Report Title:	Not reported

TEXACO #63 076 0101
1801 SR 530
ARLINGTON, WA 98223

WA ICR **S103509799**
N/A

WA ICR:

Date Ecology Received Report:	04/24/1997
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	95-01
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	11/02/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-39
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	04/14/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-49
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	05/30/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report

Site	Database(s)	EDR ID Number EPA ID Number

TEXACO #63 076 0101 (Continued) S103509799

Site Register Issue:	94-07
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	11/04/1992
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	92-39
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	10/04/1993
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-13
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	01/17/1996
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-20
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	02/26/1996
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	94-21
County Code:	31
Contact:	Not reported
Report Title:	Not reported

TEXACO #63 076 0101 (TWO REPORTS) **WA ICR** **S103510075**
1801 SR 530 **N/A**
ARLINGTON, WA 98223

WA ICR:

Date Ecology Received Report:	01/20/1995
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater
Cause of Contamination:	Tank

Site	Database(s)	EDR ID Number EPA ID Number

TEXACO #63 076 0101 (TWO REPORTS) (Continued) S103510075

Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-48
County Code: 31
Contact: Not reported
Report Title: Not reported

WSDOT - HAZEL MAINTENANCE FACILITY
31509 S.R. 530 NE
ARLINGTON, WA 98223

WA ICR **S103511035**
N/A

WA ICR:
Date Ecology Received Report: 02/20/1991
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 91-24
County Code: 31
Contact: Not reported
Report Title: Not reported

FLYING "T" RANCH
13305 SR 530
ARLINGTON, WA 98223

WA ICR **S103511573**
N/A

WA ICR:
Date Ecology Received Report: 10/13/1995
Contaminants Found at Site: Volatile Organic Compounds
Media Contaminated: Soil
Cause of Contamination: Improper Handling
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 94-24
County Code: 31
Contact: Not reported
Report Title: Not reported

ARLINGTON SECTION SHED
MP 8.0 SOUTH OF 4TH AVE
ARLINGTON, WA 98223

UST **U003604723**
N/A

UST:
Facility ID: 492870
Install Date: Not reported
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Site	Database(s)	EDR ID Number EPA ID Number

ARLINGTON SECTION SHED (Continued) U003604723

Facility ID: 492870
Install Date: Not reported
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 492870
Install Date: Not reported
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 492870
Install Date: Not reported
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

BURLINGTON NORTHERN SANTA FE RR ARLINGTO RCRIS-SQG 1001121560
MP 8.0 S OF 4TH AVE FINDS WAR000009829
ARLINGTON, WA 98223

RCRIS:
Owner: BURLINGTON NORTHERN & SANTA FE RAILWAY
(817) 352-6452
EPA ID: WAR000009829
Contact: JENNIFER ANDERSON
(206) 625-6034
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

ARLINGTON MARYSVILLE LDFL CERC-NFRAP 1003880498
ARLINGTON AIRPORT SWF/LF WAD980976013
ARLINGTON, WA 98223

Site	Database(s)	EDR ID Number EPA ID Number

ARLINGTON MARYSVILLE LDFL (Continued) 1003880498

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Non NPL Code: NFRAP
Ownership Status: Indian Lands
Site Description: T 31N, R 5E, SEC 15.
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed: 10/01/1984
Assessment:	PRELIMINARY ASSESSMENT	Completed: 05/12/1986
Assessment:	SITE INSPECTION	Completed: 06/30/1987

CERCLIS-NFRAP Alias Name(s):
MARYSVILLE/ARLINGTON LANDFILL

LF:

Facility ID:	Not reported
Contact:	Not reported
Name Change:	Not reported
Ownership:	Not reported
Type:	Not reported
Company:	Not reported
Contact Title:	Not reported
Facility Phone:	Not reported
Facility Fax:	Not reported
Class Code:	Not reported
Class:	Not reported
Class Comment:	Not reported
Class Type:	Not reported
Sec/Twn/Rng:	Not reported
Status:	Not reported
Region:	SNOHOMISH
Facility Status:	Closed

OSO DROP BOX SWF/LF S104179625
30022 203RD AVE NE N/A
ARLINGTON, WA 98223

LF:

Facility ID:	Not reported
Contact:	Not reported
Name Change:	Not reported
Ownership:	Not reported
Type:	Not reported
Company:	Not reported
Contact Title:	Not reported
Facility Phone:	Not reported
Facility Fax:	Not reported
Class Code:	Not reported
Class:	Not reported
Class Comment:	Not reported
Class Type:	Not reported
Sec/Twn/Rng:	Not reported
Status:	Not reported
Region:	SNOHOMISH
Facility Status:	Active

Site	Database(s)	EDR ID Number EPA ID Number
SITE SE01 ARLINGTON **22808 35TH AVENUE NE** **ARLINGTON, WA 98223**	**UST**	**U001127972** **N/A**

UST:

Facility ID:	100625
Install Date:	12/15/1985 0:00
Capacity:	111 to 1,100 Gallons
Status:	Not reported
Tank Name:	Not reported
Substance:	NW
Compartment #:	Not reported
Ecology Region:	1

OSO SOLID WASTE LANDFILL **31705 LK CAVANAUGH RD** **ARLINGTON, WA 98223**	**SWF/LF**	**S105200713** **N/A**

LF:

Facility ID:	Not reported
Contact:	Not reported
Name Change:	Not reported
Ownership:	Not reported
Type:	Not reported
Company:	Not reported
Contact Title:	Not reported
Facility Phone:	Not reported
Facility Fax:	Not reported
Class Code:	Not reported
Class:	Not reported
Class Comment:	Not reported
Class Type:	Not reported
Sec/Twn/Rng:	Not reported
Status:	Not reported
Region:	SNOHOMISH
Facility Status:	Closed

N ARLINGTON **END OF 13TH NE 150 FT N OF INT** **ARLINGTON, WA 98223**	**RCRIS-SQG** **FINDS**	**1000659518** **WAD988491916**

RCRIS:

Owner:	WA ECY (360) 555-1212
EPA ID:	WAD988491916
Contact:	KURT SMITH (425) 649-2124
Classification:	N, Small Quantity Generator
Used Oil Recyc:	No
TSDF Activities:	Not reported

Site	Database(s)	EDR ID Number EPA ID Number

N ARLINGTON (Continued) 1000659518

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

ARLINGTON, CITY OF FINDS 1004613121
HALLER AVENUE WA0002392231
ARLINGTON, WA 98223

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Permit Compliance System (PCS)

AT MAIN HANGER AT ARLINGTON AIRPORT BLDG 26, WEST SIDE OF BL ERNS 93325547
AT MAIN HANGER AT ARLINGTON AIRPORT BLDG 26, WEST SIDE OF BL N/A
ARLINGTON, WA

SYNERGY INVESTMENT INC DBA ARLINGTON I5 RCRIS-SQG 1000658916
2233 SR530 NE FINDS WAD988485736
ARLINGTON, WA 98223

RCRIS:
Owner: SYNERGY INVESTMENT INC DBA ARLINGTON I5
EPA ID: WAD988485736
Contact: MARK CARABBA
(360) 652-8888
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

JAMES CARL NELSON UST U001126544
1622 172 NORTH EAST/PO BOX 187 N/A
ARLINGTON, WA 98223

UST:
Facility ID: 10884
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: LEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Site	Database(s)	EDR ID Number EPA ID Number
JAMES CARL NELSON (Continued)		U001126544

Facility ID: 10884
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

MARVES UNION OIL GAS STATION — UST — U000595190
540 OLYMPIC AVE — N/A
ARLINGTON, WA 98223

UST:

Facility ID: 11171
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 11171
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: UNLEADED GASOLINE
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 11171
Install Date: 12/31/1964 0:00
Capacity: 111 to 1,100 Gallons
Status: Not reported
Tank Name: USED OIL/WASTE OIL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Facility ID: 11171
Install Date: 12/31/1964 0:00
Capacity: Not reported
Status: Not reported
Tank Name: HEATING FUEL
Substance: NW
Compartment #: Not reported
Ecology Region: 1

Site	Database(s)	EDR ID Number EPA ID Number
TEXACO STATION 630760101 (Continued)		1001490800

RCRIS:
Owner: TEXACO REFINING & MARKETING INC
(425) 827-0761
EPA ID: WAD988503074
Contact: ROBIN LANE
(425) 827-0761
Classification: N, Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

OSO DRUG LAB
HWY 530 MI 35.5
OSO, WA 98223

RCRIS-SQG 1000199677
FINDS WAD982652851

RCRIS:
Owner: WA ECY
(360) 555-1212
EPA ID: WAD982652851
Contact: NORMAN PECK
(206) 567-7047
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

Environmental Data Resources, Inc.

"Linking Technology with Tradition"

Preliminary Sanborn® Map Report

Ship to: Keegan Fengler
Associated Earth Sciences Inc.
911 5th Avenue
Kirkland, WA 98033

1028165CUR 425-827-7701

Order Date: 5/15/2002 **Completion Date:** 05/16/2002
Inquiry #: 781661.3S
P.O. #: NA
Site Name: N West Ave/3rd Street
Address: Arlington Civic Center
City/State: Arlington, WA 98223
Cross Streets:

Based on client-supplied information, fire insurance maps for the following years were identified:

1905
1909
1929
1940
1946

A final Sanborn® Map Report is provided when the Sanborn® Map Search/Print Report is ordered.

This is a preliminary report. When the Sanborn® Map Search/Print Report is ordered, the Preliminary Sanborn® Map Report will will be replaced by a final report after quality with a final site assessment.

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	
Site #	

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/ site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): 002997

Site/Business Name: ARLINGTON SCHOOL DISTRICT

Site Address: 600 EAST FIRST STREET (Street) Telephone: (206) 435-2156

ARLINGTON (City) WA (State) 98223 (ZIP-Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
	1,000 gallon	GASOLINE
	10,000 gallon	GASOLINE
	10,000 gallon	DIESEL

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- ____ Investigate suspected release due to on-site environmental contamination.
- ____ Investigate suspected release due to off-site environmental contamination.
- ____ Extend temporary closure of UST system for more than 12 months.
- ____ UST system undergoing change-in-service.
- ____ UST system permanently closed-in-place.
- X UST system permanently closed with tank removed.
- ____ Abandoned tank containing product.
- ____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
- ____ Other (describe): ____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

		YES	NO
1.	The location of the UST site is shown on the vicinity map.	DET	
2.	A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	DET	
3.	A summary of UST system data is provided. (see Section 3.1)	DET	
4.	The soils characteristics at the UST site are described. (see Section 5.2)	DET	
5.	Is there apparent groundwater in the tank excavation?		DET
6.	A brief description of the surrounding land is provided. (see Section 3.1)	DET	
7.	Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	DET	
8.	A sketch or sketches showing the following items is provided:		
	- location and ID number for all field samples collected	DET	
	- groundwater samples distinguished from soil samples (if applicable)	DET	
	- samples collected from stockpiled excavated soil	DET	
	- tank and piping locations and limits of excavation pit	DET	
	- adjacent structures and streets	DET	
	- approximate locations of any on-site and nearby utilities	DET	
9.	If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4) NA		
10.	A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	DET	
11.	Any factors that may have compromised the quality of the data or validity of the results are described. NA		
12.	*The results of this site check/site assessment indicate that a confirmed release of regulated substance has occured.*	DET	

SITE ASSESSOR INFORMATION

DALE E. TOPHAM
PERSON REGISTERED WITH ECOLOGY

SHANNON & WILSON, INC.
FIRM AFFILIATED WITH

BUSINESS ADDRESS: 400 N. 34TH STREET, SUITE 100

TELEPHONE: (206) 632-8020

SEATTLE
CITY

WA
STATE

98103
ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

10-6-94
Date

Signature of Person Registered with Ecology

UNION 76 STATION (FORMER)
Arlington, SNO OLYMPIC AVE 540' N

8/24/92

444

"Forestry Department" #11171

Poeschel & Schultz, Incorporated

19203 Old Highway 99, Arlington, WA 98223

(206) 659-5666 or (206) 652-8300

December 6, 1990

Ms Sue Sims
Storage Tank Unit
Department of Ecology
Mail Stop # PV-11
Olympia, WA 98504-8711

SUBJECT: STORAGE TANK REMOVAL/CLOSURE: Arlington, WA

Dear Sue:

Per our conversation this date, I am sending by facimilie transmission this letter and a copy of the envelope in which we received the information which propmpted me to call your office on 11/30/90. This was sent to me by John Alspach of the EPA in Seattle, at (206) 442-0344.

The former Union-76 gas station is owned by NORETEP, a Washington State General Partnership. The principals are the President and Secretary-Treasurer, respectively of the corporation above noted.

Site location is the southwest corner of the intersection of Olympic Avenue and Division Street (SR-530) in the City of Arlington, WA. Address is 540 Olympic Avenue.

Two (2) former gasoline lanks and one (1) former waste-oil tank will be removed, according to the instructions we have received.

I apprcciate your fine cooperation in this matter; we are trying to please and still avoid red tape!

Yours very truly,

Henry G. Campbell

Henry G. Campbell, Resource Manager

Enclosure

State of Washington
Department of Ecology

UST INSPECTION

Inspection Date: 6-27-97 Time: 12:20

Inspector(s): STOREY Insp. Type: ☐ T/A ☐ Leak ☐ Other

FACILITY INFORMATION	UBI #
UST #: 2997	County Snohomish
Site Name School School Dist	Contact
Address	Phone

TANK INFORMATION

Tank #	Gal.	Content	Status	Leak Det.	Tank Tight	Line Tight	LLD Test	Test Date
				INV ATG TT GWM VPM INT SIR	P F	P F	P F	
				INV ATG TT GWM VPM INT SIR	P F	P F	P F	
				INV ATG TT GWM VPM INT SIR	P F	P F	P F	
				INV ATG TT GWM VPM INT SIR	P F	P F	P F	
				INV ATG TT GWM VPM INT SIR	P F	P F	P F	

1.	Have all the USTs been registered? (WAC 173-360-200)	YES	NO	N/A
2.	Do all the USTs have current endorsement on license? (WAC 173-360-130)	YES	NO	N/A
3.	Are the USTs installed after 12/22/88?	YES	NO	N/A
4.	Are records of release detection available? (WAC 173-360-140)	YES	NO	N/A
5.	Are records of tank tightness testing available? (WAC 173-360-345)	YES	NO	N/A
6.	Are records of line tightness testing available? (WAC 173-360-350 (2) ii)	YES	NO	N/A
7.	Does the facility have records of annual line leak detector test? (WAC 173-360-350 (2) a ii)	YES	NO	N/A
8.	Does the facility have proof of financial responsibility? (WAC 173-360-400)	YES	NO	N/A
9.	Inventory complete? (WAC 173-360-345 (6)) (circle) Daily Weekly Monthly	YES	NO	N/A
10.	Does the ATG have a test strip run to verify operation?	YES	NO	N/A
11.	Do ATG records demonstrate monthly leak detection test is done? (WAC 173-360-355 (2))	YES	NO	N/A
12.	Does the facility have the leak detector set? (WAC 173-360-335)	YES	NO	N/A
13.	Does the tanks have spill/overfill prevention? (circle) Spill Overfill	YES	NO	N/A
14.	Does the UST system have corrosion protection? (circle) Tanks Piping	YES	NO	N/A
15.	Action taken? None ☐ Warning Letter ☐ Notice of Correction ☐ Field Citation		N/A	
16.	Date for next inspection?			

Comments: Tanks full'd - office Closed.
Call office TO Follow up

Inspector's Signature _____

APPENDIX E

Resumes of Environmental Personnel

Associated Earth Sciences, Inc.

RICHARD N. SIMPSON, C.P.G.
Environmental Geologist

EDUCATION

B.S., Geology,
Western Washington University

Graduate Course Work,
Hydrogeology
Western Washington University

Hydrogeologic Investigation of Hazardous Waste Sites
University of Wisconsin

Continuing Education

EPA Course: Design, Operation, and Closure of Municipal Solid Waste Landfills

40 hr. OSHA 29 CFR 1910.120

PROFESSIONAL REGISTRATIONS

Registered Environmental Assessor
Washington

American Institute of Professional Geologists

PROFESSIONAL ASSOCIATIONS

Geologic Society of America

American Institute of Professional Geologists

SUMMARY

Mr. Simpson has 20 years of geologic, geotechnical, environmental hydrogeologic, and hazardous waste experience throughout the United States with emphasis in the western U.S. He has been project manager and chief investigator for Phase I and Phase II Environmental Site Assessments, monitored ground water and methane gas at several landfill sites, decommissioned underground storage tanks (USTs), and remediated sites affected by petroleum hydrocarbons and heavy metals. His broad background in construction and the geologic sciences has given Mr. Simpson the ability to effectively solve problems in the field and makes him an asset to any investigative team.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Mr. Simpson has performed more than 60 Phase I Environmental Site Assessments at various locations throughout the Pacific Northwest.

HAS PERFORMED PHASE I ENVIRONMENTAL SITE ASSESSMENTS FOR THE FOLLOWING TYPES OF PROPERTIES:

- Shipyards
- Auto Wrecking
- Service Stations
- Shopping Centers
- Dry Cleaners
- Apartment Complexes
- Residential Developments
- Commercial Developments
- Municipal Properties

HAS PERFORMED ENVIRONMENTAL SITE ASSESSMENTS FOR THE FOLLOWING TYPES OF PROPERTIES:

- Landfills
- Industrial
- Cities
- Auto Wrecking
- Dry Cleaners
- Service Stations
- Hospitals
- Air Port
- U.S. Navy Facilities

MARINE SHIPYARD
Seattle, Washington
Reviewed existing remediation plans for the subject property. Conducted a Phase I Site Assessment and a sediment survey.

COMMERCIAL PROPERTIES MIDWAY LANDFILL
Kent, Washington
Studied potential subsurface pathways for leachate and methane gas generated by the Midway Landfill for adjacent commercial properties. Included detailed reviews of landfill reports. Conducted methane gas surveys of commercial properties near the Midway Landfill.

U.S. NAVY / JOHNSON CONTROLS
Bangor, Washington
Conducted Phase II Site Assessments of several USTs. Provided interpretation of extensive chemical data supporting recommendations for closure in place. Installed ground water remediation system.

JON N. SONDERGAARD, P.G.
Associate Geologist

EDUCATION

M.S., Geology, Western Washington University

B.S., Geology, Washington State University

PROFESSIONAL REGISTRATIONS

Registered Professional Geologist
State of Alaska
State of Idaho
State of Oregon

Registration for Geologist in the State of Washington is pending.

OSHA 40 Hazard Training, OSHA Site Supervisor Training

PROFESSIONAL ASSOCIATIONS

Association of Engineering Geologists

National Water Well Association

Association of Ground Water Scientists

SUMMARY

Mr. Sondergaard has over 19 years of experience as a practicing consulting geologist and has a wide variety of experience on environmental projects. Mr. Sondergaard has prepared project Health and Safety Plans and Sampling and Analysis Plans, performed Phase I and Phase II Environmental Site Assessments and Risk-Based Corrective Action Plans, prepared Remedial Investigation/Feasibility Studies, designed remediation systems for soil and ground water, and prepared Operations and Maintenance Plans for monitoring remedial system effectiveness. Mr. Sondergaard has also designed and implemented ground water pump tests and is experienced at interpreting the results of these tests. Mr. Sondergaard is familiar with many types of remedial technologies including cold mix asphalt treatment, soil vapor extraction, and bioremediation, for soil and air stripping and in-situ air sparging for water. Mr. Sondergaard is very familiar with the Washington State Model Toxics Control Act and is able to apply these regulations to the benefit of his clients.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

HAS PREFORMED PHASE I ENVIRONMENTAL SITE ASSESSMENTS FOR THE FOLLOWING TYPES OF PROPERTIES:

- Cellular Towers
- Residential Developments
- Retirement Homes
- Commercial Developments

HAS PERFORMED ENVIRONMENTAL SITE ASSESSMENTS FOR THE FOLLOWING TYPES OF PROPERTIES:

- Dry Cleaners
- Bulk Fuel Facilities
- Residential
- Service Stations
- Air Ports
- Military
- Industrial

DAVENPORT HOTEL
SPOKANE, WASHINGTON

Mr. Sondergaard served as project manager for the Phase II Environmental Site Assessment for characterization of a 70,000-gallon Bunker C Fuel release that threatened to impact an existing, historic hotel located in downtown Spokane, Washington. The release of Bunker C petroleum hydrocarbons had occurred from a former steam power plant and had migrated over 400 feet to threaten the hotel property. The characterization included the completion of 12 subsurface exploration borings and 8 ground water monitoring wells within the limited space access of the basement of the hotel. Ground water sampling and analysis were conducted to identify if petroleum hydrocarbons, polynuclear aromatic hydrocarbons, polychlorinated biphenols, or volatile aromatic hydrocarbons had impacted ground water beneath and outside of the hotel. The stratigraphy in the area consisted of sand and gravel fill over natural sand and gravel outwash deposits over moderately indurated silt and basalt bedrock. Ground water levels were about 40 feet below existing street grades around the hotel. The project also included reviewing various sampling and analysis plans, remedial investigation and feasibility studies, and remedial action plans prepared by the party liable for the release.

ENVIRONMENTAL SITE ASSESSMENT
Civic Site

Associated Earth Sciences, Inc.

June 10, 2002
Project No. KE02153A

City of Arlington
238 Olympic Avenue
Arlington, Washington 98223

Attention: Mr. Iain Draper, P.E.

Subject: Phase II Environmental Site Assessment
Arlington Civic Center
Arlington, Washington

Dear Mr. Draper:

This letter presents the results of Associated Earth Sciences, Inc.'s (AESI's) Phase II Environmental Site Assessment (ESA) at the above-referenced project. AESI prepared a Subsurface Exploration, Geologic Hazards, and Preliminary Geotechnical Engineering Report dated June 10, 2002 for the above site and performed a Phase I ESA dated June 10, 2002 on the Dwayne Layne Used Car Lot located at N West Avenue and 3rd Street (see the Vicinity Map, Figure 1). During the subsurface exploration for the Subsurface Exploration, Geologic Hazards, and Preliminary Geotechnical Engineering Report soil samples were also collected for environmental testing.

Selected, near-surface soil samples from across the site were sent to a subcontracted analytical laboratory for testing. The locations of soil samples collected for laboratory analysis were based on potential point sources identified in the previous Phase I ESA performed for the site by Environmental Management Resources dated January 6, 1994. See the Site and Exploration Plan, Figure 2, for approximate sampling locations. A professional geologist from our firm licensed in the state of Washington collected the soil samples. Logs of the borings are attached to this letter. The drilling and sampling were conducted using "clean" methodology. The drilling equipment and samplers were steam cleaned and decontaminated between sample intervals and between borings. The sample jars were Environmental Protection Agency (EPA) certified sample jars supplied by the testing laboratory. The samples were kept cool for

preservation of volatile contaminants per EPA and Washington State protocols and transference of the samples was done using standard chain-of-custody procedures.

The laboratory conducted analyses of the soil samples for total petroleum hydrocarbons as diesel (NWTPH-Dx) and for total petroleum hydrocarbons as gasoline with BTEX[1] distinction (EPA Methods 8021B and NWTPH-Gx). The laboratory test certificates are attached to this letter.

All of the soil samples tested exhibited results below the method detection limits of the test methods used except for the samples from borings EB-3, EB-5, and EB-6. Test results are summarized in the attached Table 1.

The soil sample from boring EB-3 (0.0 to 1.5 feet below the surface) exhibited a diesel range concentration of 23 parts per million (ppm), a motor oil concentration of 51 ppm, a benzene concentration of 0.02 ppm, a toluene concentration of 0.07 ppm, an ethylbenzene concentration of 0.07 ppm, a total xylene concentration of 0.48 ppm, and a gasoline concentration of 2 ppm. The sample from boring EB-5 (0.0 to 1.5 feet below the surface) exhibited a diesel range concentration of 67 ppm and a motor oil concentration of 160 ppm. The sample from boring EB-6 (0.0 to 1.5 feet below the surface) exhibited a diesel range concentration of 23 ppm.

The concentrations detected in the three above-mentioned soil samples exhibited levels below the Model Toxics Control Act (MTCA) Method A cleanup action levels for unrestricted site use.

Ground water was not encountered in any of the borings drilled or wells installed during the subsurface investigation and no ground water samples were collected or analyzed. The borings were completed to a maximum depth of approximately 50 feet below existing site grade. Monitoring wells were installed in borings EB-10 and EB-12 at depth intervals where moisture was observed in the soils. However, to date, no water has accumulated in these wells.

It appears, based on the site observations and laboratory testing of the selected soil samples, that there are low levels of petroleum hydrocarbons in soils at the site. These hydrocarbon concentrations are below the MTCA Method A cleanup action levels and further characterization or remediation is not required. It should be noted that the locations of the Phase II ESA borings and soils samples were placed at locations thought to have the highest potential for contamination based on the previous Phase I ESA. The soil samples collected and analyzed are representative of the conditions at those specific locations but may not be representative of other locations on the property. If areas of contamination are encountered during construction, AESI is available to assist in the identification and remediation of the encountered contaminants.

[1] BTEX is the acronym for benzene, toluene, ethylbenzene, and xylenes.

We have enjoyed working with you on this project. Please contact us if you have any questions or if we can be of additional help to you.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

John D. Coleman, P.G.
Project Geologist

Jon N. Sondergaard, P.G.
Associate Geologist

Attachments: Figure 1. Vicinity Map
Figure 2. Site and Exploration Plan
Table 1. Soil Sample Analytical Results
Laboratory Test Data
Boring Logs

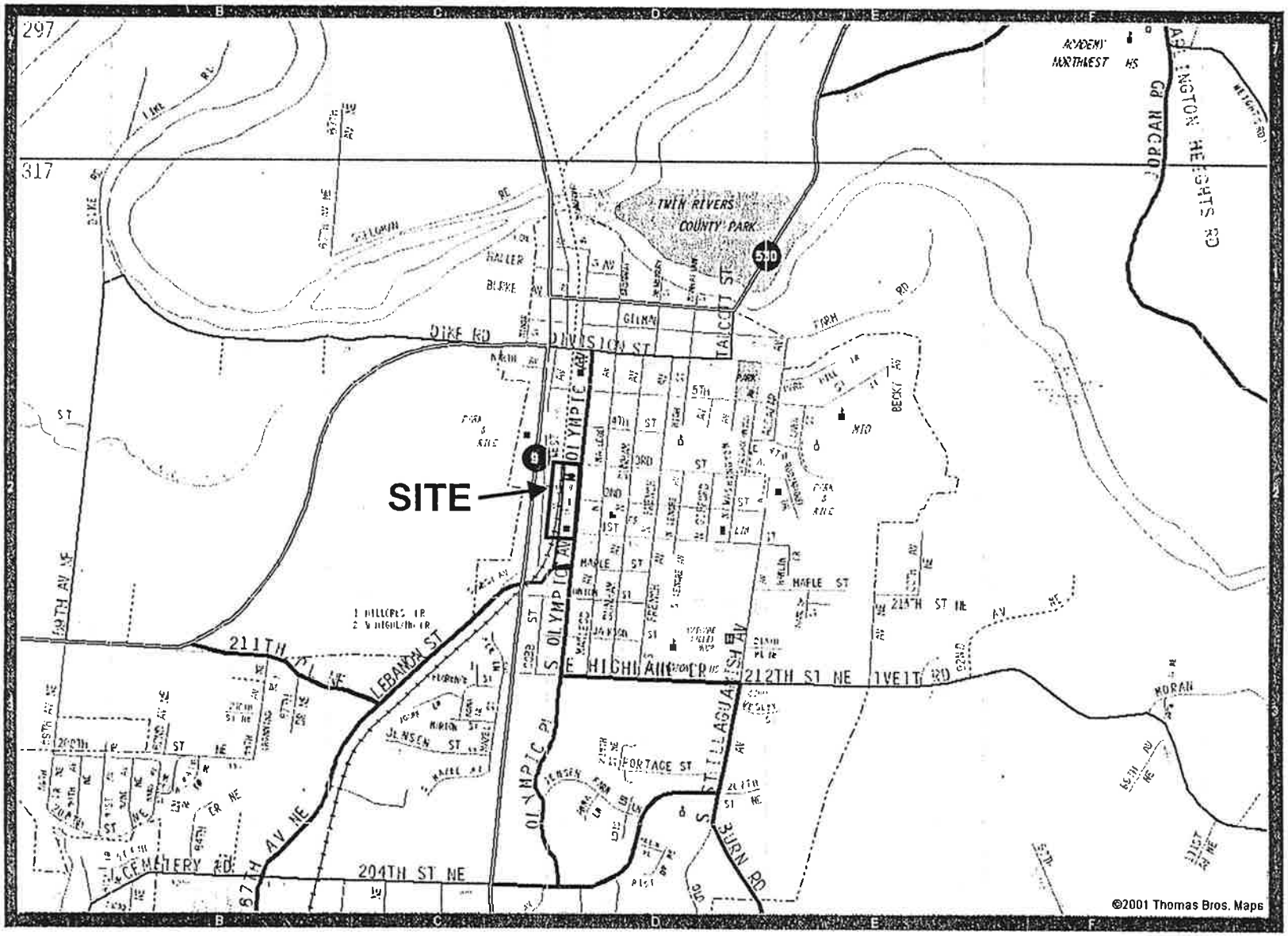
JDC/ld
KE02153A1
Projects\2002153\KE\WP - W2K

Table 1
Soil Sample Analytical Results

Sample No.	Depth (ft)	Gasoline (ppm)[1]	Diesel (ppm)	Motor Oil (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)
EB-3	0 - 1.5	2	23	51	0.02	0.17	0.07	0.48
EB-4	2.5 - 4	ND[2]	NE	ND	ND	ND	ND	ND
EB-5	0 - 1.5	ND	67	160	ND	ND	ND	ND
EB-6	0 - 1.5	ND	23	ND	ND	ND	ND	ND
EB-7	2.5 - 4	ND	ND	ND	ND	ND	ND	ND
EB-8	0 - 1.5	ND	ND	ND	ND	ND	ND	ND
EB-10	2.5 - 4	ND	ND	ND	ND	ND	ND	ND
EB-11	2.5 - 4	ND	ND	ND	ND	ND	ND	ND
EB-12	2.5 - 4	ND	NE	ND	ND	ND	ND	ND
MTCA Method A CCL[3]		100	2,000	2,000	0.03	7	6	9

Notes: [1] ppm = Parts per million which is equivalent to milligrams per kilogram (mg/kg)
[2] ND = Not detected above method detection limit
[3] CCL = Compliance cleanup level

JDC/ld
KE02153A1
Projects\2002153\WP\ld - W2K



N

NOT TO SCALE

Associated Earth Sciences, Inc.

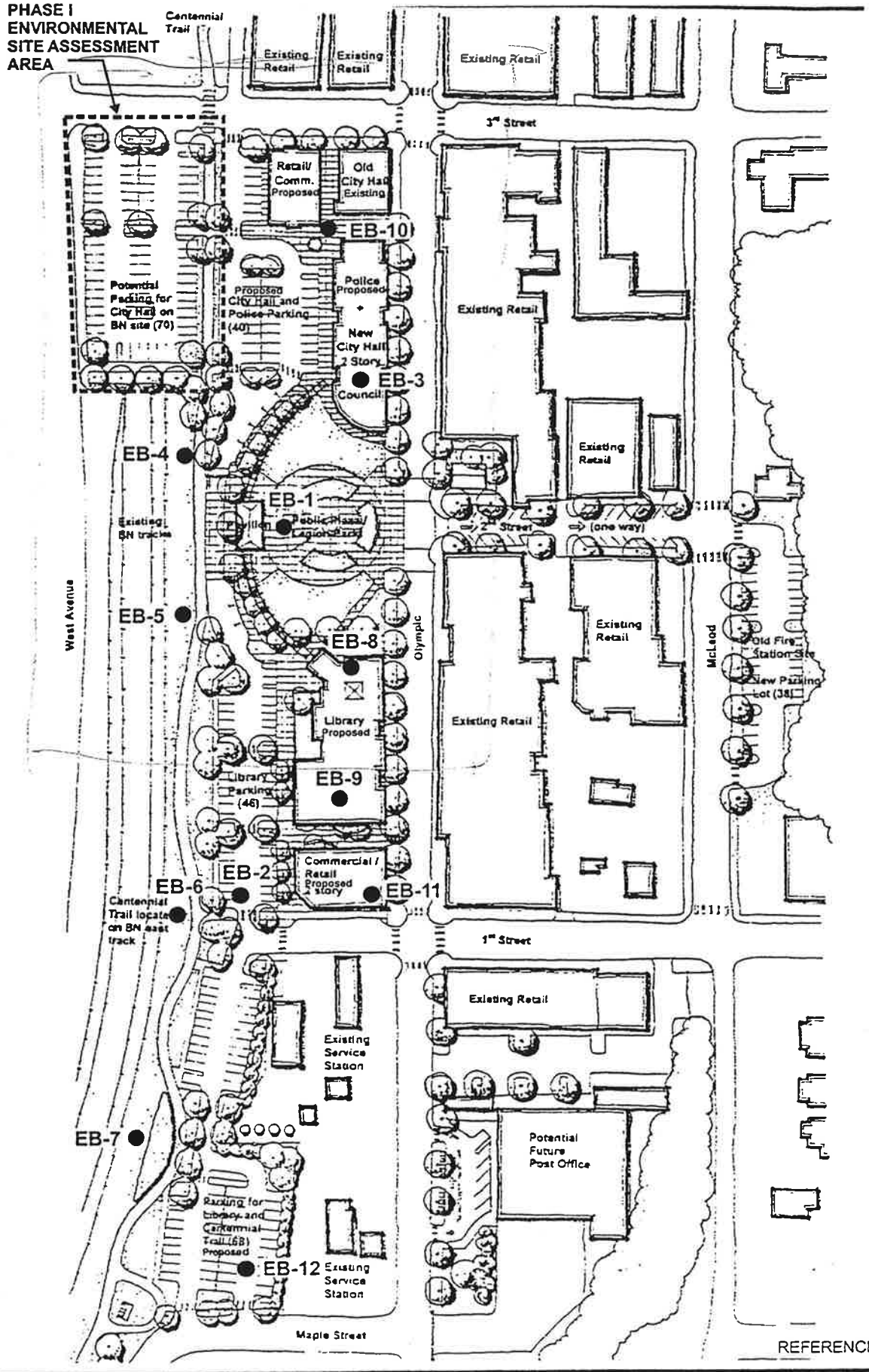
VICINITY MAP
ARLINGTON CIVIC CENTER
ARLINGTON, WASHINGTON

FIGURE 1

DATE 6/02

PROJ. NO. KE02153B

02153 arlington civic center\02153-vicinity.cdr page2



LEGEND

EB-1 ● Approximate location of exploration boring

N

NOT TO SCALE

REFERENCE: BASE MAP PROVIDED BY CLIENT.

Associated Earth Sciences, Inc.

SITE AND EXPLORATION PLAN
ARLINGTON CIVIC CENTER
ARLINGTON, WASHINGTON

FIGURE 2

DATE 6/02

PROJ. NO. KE02153B

Coarse-Grained Soils - More than 50% [1] Retained on No. 200 Sieve	Gravels - More than 50% [1] of Coarse Fraction Retained on No. 4 Sieve	≤5% Fines [5]	GW	Well-graded gravel and gravel with sand, little to no fines
			GP	Poorly-graded gravel and gravel with sand, little to no fines
		≥15% Fines [5]	GM	Silty gravel and silty gravel with sand
			GC	Clayey gravel and clayey gravel with sand
	Sands - 50% [1] or More of Coarse Fraction Passes No. 4 Sieve	≤5% Fines [5]	SW	Well-graded sand and sand with gravel, little to no fines
			SP	Poorly-graded sand and sand with gravel, little to no fines
		≥15% Fines [5]	SM	Silty sand and silty sand with gravel
			SC	Clayey sand and clayey sand with gravel
Fine-Grained Soils - 50% [1] or More Passes No. 200 Sieve	Silts and Clays Liquid Limit Less than 50		ML	Silt, sandy silt, gravelly silt, silt with sand or gravel
			CL	Clay of low to medium plasticity; silty, sandy, or gravelly clay, lean clay
			OL	Organic clay or silt of low plasticity
	Silts and Clays Liquid Limit 50 or More		MH	Elastic silt, clayey silt, silt with micaceous or diatomaceous fine sand or silt
			CH	Clay of high plasticity, sandy or gravelly clay, fat clay with sand or gravel
			OH	Organic clay or silt of medium to high plasticity
Highly Organic Soils			PT	Peat, muck and other highly organic soils

Terms Describing Relative Density and Consistency

Coarse-Grained Soils	Density	SPT [2] blows/foot
	Very Loose	0 to 4
	Loose	4 to 10
	Medium Dense	10 to 30
	Dense	30 to 50
	Very Dense	>50

Fine-Grained Soils	Consistency	SPT [2] blows/foot
	Very Soft	0 to 2
	Soft	2 to 4
	Medium Stiff	4 to 8
	Stiff	8 to 15
	Very Stiff	15 to 30
	Hard	>30

Test Symbols

G = Grain Size
M = Moisture Content
A = Atterberg Limits
C = Chemical
DD = Dry Density
K = Permeability

Component Definitions

Descriptive Term	Size Range and Sieve Number
Boulders	Larger than 12"
Cobbles	3" to 12"
Gravel	3" to No. 4 (4.75 mm)
Coarse Gravel	3" to 3/4"
Fine Gravel	3/4" to No. 4 (4.75 mm)
Sand	No. 4 (4.75 mm) to No. 200 (0.075 mm)
Coarse Sand	No. 4 (4.75 mm) to No. 10 (2.00 mm)
Medium Sand	No. 10 (2.00 mm) to No. 40 (0.425 mm)
Fine Sand	No. 40 (0.425 mm) to No. 200 (0.075 mm)
Silt and Clay	Smaller than No. 200 (0.075 mm)

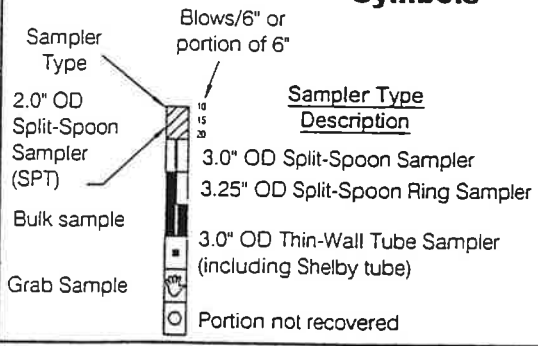
[3] Estimated Percentage

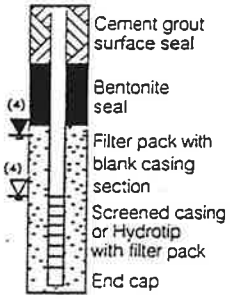
Component	Percentage by Weight
Trace	<5
Few	5 to 10
Little	15 to 25
With	- Non-primary coarse constituents: ≥ 15%
	- Fines content between 5% and 15%

Moisture Content

Dry - Absence of moisture, dusty, dry to the touch
Slightly Moist - Perceptible moisture
Moist - Damp but no visible water
Very Moist - Water visible but not free draining
Wet - Visible free water, usually from below water table

Symbols





(1) Percentage by dry weight
(2) (SPT) Standard Penetration Test (ASTM D-1586)
(3) In General Accordance with Standard Practice for Description and Identification of Soils (ASTM D-2488)
(4) Depth of groundwater
▼ ATD = At time of drilling
▽ Static water level (date)
(5) Combined USCS symbols used for fines between 5% and 15%

Classifications of soils in this report are based on visual field and/or laboratory observations, which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field or laboratory testing unless presented herein. Visual-manual and/or laboratory classification methods of ASTM D-2487 and D-2488 were used as an identification guide for the Unified Soil Classification System.

blocksVog_key.dwg 11/02/01

Associated Earth Sciences, Inc.

Exploration Log Key

FIGURE
A-1

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-1	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/13/02,05/13/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill					
		S-1		Moist, dark brown to light olive-brown, nonstratified, fine to coarse SAND, trace silt, trace gravel. (SW)			4 4 9	▲13	
				Upper Alluvium					
5		S-2		Moist, light olive-brown, stratified, fine to coarse SAND, trace fine subrounded gravel, trace silt. (SW)			4 7 9	▲16	
				Lower Alluvium					
		S-3		Moist, light olive-gray, nonstratified, fine to coarse subrounded to rounded GRAVEL, trace fine to coarse sand, trace silt. (GW)			50/2"		▲50/2"
10				Bottom of exploration boring at 9.2 feet below the surface due to refusal.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-2	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft):
Datum: MSL
Date Start/Finish: 05/13/02,05/13/02
Hole Diameter (in): ~6

Depth (ft)	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
	S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW)			16 23 24	▲47	
	S-2					2 2 1	▲3	
5	S-3		**Upper Alluvium** Moist, light olive-brown, nonstratified, fine to coarse SAND, few fine subrounded to rounded gravel, trace silt. (SW)			2 1 2	▲3	
10	S-4		**Lower Alluvium** Moist, dark gray, nonstratified, fine to coarse subrounded to rounded GRAVEL, few fine to coarse sand, trace silt. (GW)			50/3"	▲50/3"	
			Bottom of exploration boring at 10.3 feet below the surface due to refusal.					
15								
20								
25								
30								
35								

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 16, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-3	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/13/02,05/13/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, light olive-gray to dark gray, nonstratified, fine to coarse SAND, few subrounded fine to coarse gravel, few silt. (SW)			14 15 14	▲29	
		S-2					4 5 7	▲12	
				Upper Alluvium Moist, medium gray, weakly stratified, fine to medium SAND, trace silt, trace fine rounded gravel. (SP)					
5		S-3					4 5 6	▲11	
				Lower Alluvium					
10		S-4		Moist, medium gray, nonstratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW)			10 20 29	▲49	
		S-5					29 39 39	▲78	
15				Bottom of exploration boring at 14 feet below the surface due to refusal.					
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 16, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-4	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill					
		S-1		Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (9-10 ppm)			3 3 3	▲6	
5		S-2		**Upper Alluvium** Moist, light olive-brown, nonstratified, fine to medium SAND, trace silt, trace fine subrounded gravel. (SW) (6-7 ppm)			4 5 11	▲16	
				Lower Alluvium					
10		S-3		Moist, light olive-gray, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, few silt. (SW) (4-5 ppm)			27 39 42	▲81	
				Bottom of exploration boring at 10.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-5	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/14/02,05/14/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt grading to brown, SILTY fine SAND, scattered organic material. (SW-SM) (0.0 ppm)			5 10 6	▲15	
		S-2					2 4 6	▲10	
5		S-3		**Upper Alluvium** Moist, light olive-brown and light olive-gray, weakly stratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			4 4 4	▲8	
				Lower Alluvium					
10		S-4		Moist, light olive-gray, nonstratified, medium to coarse SAND, trace silt. (SP) (0.0 ppm)			9 9 9	▲18	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-6	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/14/02,05/14/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, dark brown grading to orangish brown and light olive-brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			7 7 7	▲14	
		S-2					1 1 1	▲2	
5		S-3		**Upper Alluvium** Moist, light olive-brown, weakly stratified, fine to medium SAND, few silt. (SP) (0.0 ppm)			1 2 1	▲3	
				Lower Alluvium					
10		S-4		Moist, light olive-gray, nonstratified, fine to coarse SAND, trace fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			17 17 12	▲29	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-7	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Fill Moist, dark brown to light olive-brown, nonstratified, fine to coarse SAND, trace silt, trace gravel. (SW) (0.0 ppm)					
				Upper Alluvium					
		S-1		Moist, light olive-gray, weakly stratified, fine to coarse SAND, trace silt. (SW) (0.0 ppm)			2 3 4	▲7	
5		S-2					4 4 4	▲8	
				Lower Alluvium					
10		S-3		Moist, light olive-gray, nonstratified, fine to coarse SAND, trace fine to coarse subrounded gravel, trace silt. (SW) (0.0 ppm)			8 7 8	▲15	
				Bottom of exploration boring at 11.5 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-8	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Boretec / B-24 Modified	Date Start/Finish	05/14/02,05/14/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, brown, nonstratified, fine to coarse SAND, few fine to coarse subrounded gravel, trace silt, trace organics. (SW)			3 4 3	▲7	
		S-2		**Upper Alluvium** Moist, light brown, nonstratified, fine to medium SAND, few fine to coarse subrounded gravel, trace silt. (SP)			1 2 3	▲5	
5		S-3					5 7 8	▲15	
				Lower Alluvium					
10		S-4		Moist, light brown, nonstratified, fine to coarse SAND with fine to coarse subrounded gravel, trace silt. (SW)			15 18 20	▲38	
		S-5					37 50/3"	▲50/3"	
15				Bottom of exploration boring at 14.8 feet below the surface.					
20									
25									
30									
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample
- M - Moisture
- Water Level ()
- Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-9	1 of 1

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Boretec / B-24 Modified
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/14/02,05/14/02
Hole Diameter (in): ~6

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
		S-1		**Fill** Moist, light to dark brown, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, trace silt. (SW)			2 1 2	▲3	
		S-2					8 10 9	▲19	
5		S-3					5 3 1	▲4	
				Lower Alluvium					
10		S-4		Moist, light brown, nonstratified, fine to coarse SAND, little fine to coarse subrounded gravel, trace silt. (SW)			10 50/4"		▲50/4"
				Bottom of exploration boring at 10.8 feet below the surface.					
15									
20									
25									
30									
35									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-10	1 of 2

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Environmental Drilling / B-61
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/16/02,05/16/02
Hole Diameter (in): ~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
0				Crushed Rock Fill					
				Concrete 0-2'					
				Lower Alluvium					
		S-1		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0-0.5 ppm)			10 16 17	▲33	
5									
		S-2					17 32 44	▲76	
10									
		S-3					12 14 20	▲34	
15									
		S-4					12 15 18	▲33	
20									
		S-5					9 22 23	▲45	
25									
		S-6					10 16 18	▲34	
30									
		S-7					15 21 30	▲51	
35									
		S-8					12 20 21	▲41	

Bentonite 2'-22'
2" diameter PVC blank 0-25'
#10/20 silica sand 22'-35'
2" diameter PVC screen 0.010" slotted 25'-35'
Slough 35'-39'

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ June 10, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-11	1 of 2

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Environmental Drilling / B-61	Date Start/Finish	05/16/02,05/16/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Crushed Rock Fill					
				Upper Alluvium					
		S-1		Moist, tan, weakly stratified, SILTY fine SAND, trace organics, trace fine subrounded gravel. (SM) (0.0 ppm)			1 1 2	▲3	
5									
		S-2		**Lower Alluvium**			12 24 36	▲60	
				Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)					
10									
		S-3					17 18 28	▲46	
15									
		S-4					31 29 32	▲61	
20									
		S-5					12 24 24	▲48	
25									
		S-6					12 21 31	▲52	
30									
		S-7					12 25 23	▲48	
35									
		S-8					11 20 37	▲57	

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

Water Level ()

Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-11	2 of 2

Project Name: Arlington Civic Center
Location: Arlington, WA
Driller/Equipment: Environmental Drilling / B-61
Hammer Weight/Drop: 140# / 30"

Ground Surface Elevation (ft): Unknown
Datum: MSL
Date Start/Finish: 05/16/02,05/16/02
Hole Diameter (in): ~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
45		S-9		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)			21 22 31	▲53	
		S-10					17 22 28	▲50	
50				Bottom of exploration boring at 49 feet below the surface.					
55									
60									
65									
70									
75									

Sampler Type (ST):
- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture
Water Level ()
Water Level at time of drilling (ATD)

Logged by: JDC
Approved by:

AESIBOR 02153B-1.GPJ May 20, 2002

Associated Earth Sciences, Inc.

Exploration Log

Project Number	Exploration Number	Sheet
KE02153B	EB-12	1 of 1

Project Name	Arlington Civic Center	Ground Surface Elevation (ft)	Unknown
Location	Arlington, WA	Datum	MSL
Driller/Equipment	Environmental Drilling / B-61	Date Start/Finish	05/16/02,05/16/02
Hammer Weight/Drop	140# / 30"	Hole Diameter (in)	~8

Depth (ft)	ST	Samples	Graphic Symbol	DESCRIPTION	Well Completion	Water Level	Blows/6"	Blows/Foot (10 20 30 40)	Other Tests
				Grass and Topsoil/Fill	*Concrete 0-1'*				
				Upper Alluvium	*Bentonite 1'-3.5'*				
					2" diameter PVC blank 0-5'				
		S-1		Moist to wet, light olive-gray and tan, stratified, fine to medium SAND, little silt, trace organics. (SM) (4-5 ppm from 2.5'-4')			4 6 8	▲14	
5					*#10/20 silica sand 3.5'-12'*				
					2" diameter PVC screen 0.010" slotted 5'-10'				
		S-2		(0.0 ppm from 7.5'-9')			2 4 6	▲10	
				Lower Alluvium					
10									
		S-3		Moist, light olive-gray, weakly stratified, fine to coarse SAND, little fine to coarse subrounded to rounded gravel, trace silt. (SW) (0.0 ppm)			31 31 28	▲59	
15									
		S-4					21 24 31	▲55	
20									
		S-5					19 19 17	▲36	
25									
		S-6					14 20 25	▲45	
30				Bottom of exploration boring at 29 feet below the surface.					
35									

Sampler Type (ST):

- 2" OD Split Spoon Sampler (SPT)
- 3" OD Split Spoon Sampler (D & M)
- Grab Sample
- No Recovery
- Ring Sample
- Shelby Tube Sample

M - Moisture

Water Level ()

Water Level at time of drilling (ATD)

Logged by: JDC

Approved by:

AESIBOR 02153B-1.GPJ June 7, 2002

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 24, 2002

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

Dear Mr. Sondergaard:

Included are the results from the testing of material submitted on May 17, 2002 from your Arlington Civic Center, KE02153A project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
AE10524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/02
Date Received: 05/17/02
Project: Arlington Civic Center, KE02153A
Date Extracted: 05/20/02
Date Analyzed: 05/21/02

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING METHOD NWTPH-Dx
Extended to Include Motor Oil Range Compounds
Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 51-153)
EB-10, 2.5'-4.0' 205139-01	<10	<50	98
EB-12, 2.5'-4.0' 205139-02	<10	<50	93
EB-11, 2.5'-4.0' 205139-03	<10	<50	99
Method Blank	<10	<50	82

Date of Report: 05/24/02
Date Received: 05/17/02
Project: Arlington Civic Center, KE02153A
Date Extracted: 05/20/02
Date Analyzed: 05/20/02

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 76-118)
EB-10, 2.5'-4.0' 205139-01	<0.02	<0.02	<0.02	<0.02	<1	98
EB-12, 2.5'-4.0' 205139-02	<0.02	<0.02	<0.02	<0.02	<1	96
EB-11, 2.5'-4.0' 205139-03	<0.02	<0.02	<0.02	<0.02	<1	96
Method Blank	<0.02	<0.02	<0.02	<0.02	<1	99

Date of Report: 05/24/02
Date Received: 05/17/02
Project: Arlington Civic Center, KE02153A

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 205139-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Diesel Extended	µg/g (ppm)	<50	<50	nm

Laboratory Code: 205139-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	µg/g (ppm)	500	<50	118	118	65-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	µg/g (ppm)	500	115	65-135

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Date of Report: 05/24/02
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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 205139-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	µg/g (ppm)	<0.02	<0.02	nm
Toluene	µg/g (ppm)	<0.02	<0.02	nm
Ethylbenzene	µg/g (ppm)	<0.02	<0.02	nm
Xylenes	µg/g (ppm)	<0.02	<0.02	nm
Gasoline	µg/g (ppm)	<1	<1	nm

Laboratory Code: 205139-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	µg/g (ppm)	0.5	<0.02	110	108	34-136	2
Toluene	µg/g (ppm)	0.5	<0.02	110	108	35-140	2
Ethylbenzene	µg/g (ppm)	0.5	<0.02	114	111	37-150	3
Xylenes	µg/g (ppm)	1.5	<0.02	112	109	36-143	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	µg/g (ppm)	0.5	88	90	60-122	2
Toluene	µg/g (ppm)	0.5	88	88	60-126	0
Ethylbenzene	µg/g (ppm)	0.5	91	91	56-130	0
Xylenes	µg/g (ppm)	1.5	91	91	58-128	0
Gasoline	µg/g (ppm)	20	97	106	43-143	9

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

SAMPLE CHAIN OF CUSTODY

Send Report To: Jon Sondergaard
Company: Associated Earth Sciences, Inc.
Address: 911 5th Avenue, Ste. 100
City, State, ZIP: Kirkland, WA 98033
Phone #: (425) 827-7701 Fax #: (425) 827-5424

SAMPLERS (signature):
PROJECT NAME/NO.: Arlington Civic Center KE02153A
PO #:
REMARKS:

Page # 1 of 1

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	NWTPH-Gx/BTEX	Total Pb	NWTPH-Dx				Notes
EB-10, 2.5'-4.0'	01	5/16/02	9:55am	SOIL	1							X	X	X				
EB-12, 2.5'-4.0'	02	5/17/02	7:29am	SOIL	1							X		X				
EB-11, 2.5'-4.0'	03	5/16/02	1:25pm	SOIL	1							X		X				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	John Colerman	AESI	5/17/02	12:45
Received by: Marinna Lepp	Marinna Lepp	AESI	5/17/02	12:45
Relinquished by: Marinna Lepp	Marinna Lepp	AESI	5/17/02	1:40
Received by: Michael Echtl	Michael Echtl	Fibrine	5/17/02	1:40

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 24, 2002

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

Dear Mr. Sondergaard:

Included are the results from the testing of material submitted on May 15, 2002 from your Arlington Civic Center, KE02153A project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
AE10524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/02
Date Received: 05/15/02
Project: Arlington Civic Center, KE02153A
Date Extracted: 05/17/02
Date Analyzed: 05/17/02

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING METHOD NWTPH-Dx
Extended to Include Motor Oil Range Compounds
Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 51-153)
EB-3, 0.0'-1.5' 205115-01	23	51	107
EB-4, 2.5'-4.0' 205115-02	<10	<50	102
EB-5, 0.0'-1.5' 205115-03	67	160	105
EB-6, 0.0'-1.5' 205115-04	23	<50	99
EB-7, 2.5'-4.0' 205115-05	<10	<50	103
EB-8, 0.0'-1.5' 205115-06	<10	<50	95
Method Blank	<10	<50	83

Date of Report: 05/24/02
Date Received: 05/15/02
Project: Arlington Civic Center, KE02153A
Date Extracted: 05/16/02
Date Analyzed: 05/16/02

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 76-118)
EB-3, 0.0'-1.5' 205115-01	0.02	0.17	0.07	0.48	2	102
EB-4, 2.5'-4.0' 205115-02	<0.02	<0.02	<0.02	<0.02	<1	100
EB-5, 0.0'-1.5' 205115-03	<0.02	<0.02	<0.02	<0.02	<1	99
EB-6, 0.0'-1.5' 205115-04	<0.02	<0.02	<0.02	<0.02	<1	101
EB-7, 2.5'-4.0' 205115-05	<0.02	<0.02	<0.02	<0.02	<1	101
EB-8, 0.0'-1.5' 205115-06	<0.02	0.02	<0.02	<0.02	<1	99
Method Blank	<0.02	<0.02	<0.02	<0.02	<1	99

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QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 205130-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Diesel Extended	µg/g (ppm)	<50	<50	nm

Laboratory Code: 205130-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	µg/g (ppm)	500	<50	118	109	65-135	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	µg/g (ppm)	500	115	65-135

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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Project: Arlington Civic Center, KE02153A

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 205115-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benzene	µg/g (ppm)	0.5	0.02	86	90	34-136	5
Toluene	µg/g (ppm)	0.5	0.17	68	76	35-140	11
Ethylbenzene	µg/g (ppm)	0.5	0.07	83	88	37-150	6
Xylenes	µg/g (ppm)	1.5	0.48	74	80	36-143	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	µg/g (ppm)	0.5	88	92	60-122	4
Toluene	µg/g (ppm)	0.5	88	92	60-126	4
Ethylbenzene	µg/g (ppm)	0.5	91	95	56-130	4
Xylenes	µg/g (ppm)	1.5	91	95	58-128	4
Gasoline	µg/g (ppm)	20	103	104	43-143	1

Send Report To Jon Sondergaard

Company Associated Earth Sciences, Inc.

Address 911 5th Avenue, Ste. 100

City, State, ZIP Kirkland, WA 98033

Phone # (425) 827-7701 Fax # (425) 827-5424

SAMPLERS (signature)

PROJECT NAME/NO. Arlington Civic Center KE02153A

PO #

REMARKS

Page # 1 of

TURNAROUND TIME
- [X] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED												Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	NWTPH-Gx BTEX	Total Pb	NWTPH-Dx				
EB-3, 0.0'-1.5'	01	5/13/02	1:30pm	SOIL	1							X		X				
EB-4, 2.5'-4.0'	02	5/14/02	8:30am	"	"							X		X				
EB-5, 0.0'-1.5'	03	5/14/02	9:30am	"	"							X		X				
EB-6, 0.0'-1.5'	04	5/14/02	10:30am	"	"							X		X				
EB-7, 2.5'-4.0'	05	5/14/02	11:30am	"	"							X		X				
EB-8, 0.0'-1.5'	06	5/14/02	1:00pm	"	"							X		X				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	John Coleman	AESI	5/15/02	11:30
Received by:	Marinna Lepp	AESI	5/15/02	11:30
Relinquished by:	Marinna Lepp	AESI	5/15/02	12:22
Received by:	Eric Young	FEDEX	"	"

BN Downtown Property.

Copy For Your Information

BAILEY, DUSKIN & PEIFFLE
Attorneys at Law
P.O. Box 163
Arlington, WA 98223
Ph. 435-2139 • 652-6100

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Burlington Northern Railroad Property
Olympic Avenue
Arlington, Washington

Project Number 1063

Prepared for:

Burlington Northern Railroad
2000 First Interstate Center
999 Third Avenue
Seattle, WA 98104-1105

Prepared by:

Environmental Management Resources, Inc.
2509 152nd Avenue NE, Suite B
Redmond, Washington

David L. Welch
Project Manager

January 6, 1994

BURLINGTON NORTHERN
DOCUMENT ROUTING FORM

All documents prepared for submittal to Burlington Northern (BN) must be accompanied by this form, indicating who has reviewed the document. Documents are defined as significant letters, project summaries, reports, checklists, regulatory submittal documents, workplans, or closure reports.

By signing this form, you are stating that you have reviewed the subject document prior to submittal to BN to ensure technical quality of the document, the accuracy of the information, and the proper grammatical presentation of the information.

The following information must be prepared by the generator (s) and reviewers of the document and accompany the document at each review stage. A completed copy of the document must be submitted to BN with the document.

Do not submit a document to BN until staff listed below have reviewed and approved the document and any and all changes have been made.

Name of Document	PHASE I ENVIRONMENTAL SITE ASSESSMENT		
Document Number	1		
Name of Project	BNRR / DOWNTOWN ARLINGTON		
Project Number	1063		
Document Generator	Dave Weber	**Date**	12/13/93
	Dave Weber	**Date**	1/6/94
		Date	
Peer Reviewer		**Date**	
Technical Editor	Jerome F Kraus	**Date**	12/14/93
Project Manager		**Date**	

This document has been reviewed by BN.

BN Project Manager	Michael E. Clift	**Date**	1/1/94

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LIST OF TABLES

LIST OF FIGURES

APPENDICES

1.0 INTRODUCTION

This Phase I Environmental Site Assessment was prepared by Environmental Management Resources, Inc. ("EMR") for Burlington Northern Railroad ("BNRR"), owners of the subject property in Arlington, Washington. The name assigned to this site by EMR is BNRR/Downtown Arlington. . The site is in use at the present time by five lessees: 1) Co-op Supply, 2) Ms. Delena Heaven, 3) Dennis Petroleum Company/Cardlock Services, 4) Cordz Bayliner Boat Storage and 5) Arlington Hardware.

1.1 Purpose

The purpose of this investigation is to conduct a Phase I Environmental Assessment for Burlington Northern Railroad. The content of this report follows the May 1993 revised version of the ASTM guidance on "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" from the Bureau of National Affairs Environmental Due Diligence Guide (App 501.2001).

1.2 Involved Parties

This report is written on behalf of the current owner and seller, Burlington Northern Railroad. The prospective buyer of the property is the City of Arlington. EMR is the chosen environmental consultant to conduct the Phase I Investigation.

2.0 SCOPE OF WORK

The scope of work for this investigation generally followed ASTM guidelines for conducting Phase I Environmental Assessments along with EMR's past experience and expertise in performing such investigations.

3.0 SITE OVERVIEW

3.1 Location

The Burlington Northern Railroad/Downtown Arlington site is located on the west side of Olympic Avenue between Maple and 3rd Streets, in the City of Arlington, Snohomish County, Washington (Figure 1: Photos 1 through 4, 6 through 8, and 11-13, Appendix A). The site is located in the NW ¼ of the NE ¼ of Section 11, Township 31 North, Range 5 East. It is zoned commercial/industrial. The property is currently in use by:

- Wilderness Ware and Surplus in the northwest portion of the property;
- Co-op Supply in the north central portion of the property;
- A parking lot, Lion's park and memorial, and Cordz Bayliner boat storage in the central portion of the property;

- Dennis Petroleum Company/Cardlock Services in the south central portion of the property; and
- A grassy park-like area in the southwest portion of the property;

Refer to Figure 2A, General Site Plan-North Half and Figure 2B, General Site Plan-South Half for locations of these areas.

3.2 Adjacent Properties

The properties located adjacent to the site are described below (Figure 2, photographs 1, 4, 5, 7, 9, 10 and 12-Appendix A). The western side of the site is bordered by Burlington Northern Railroad (BNRR) track right-of-way. To the north across 3rd Street is Heaven's Ceramics and Second Hand Store. On the southwest corner of 3rd Street and Olympic Avenue, is City of Arlington City Hall and parking lot. From north to south the east side of Olympic Avenue is occupied by:

- Arlington Accounting
- Don and Jackie's Restaurant
- Lanier TV
- Action Sports
- Arlington Hardware and parking lot
- 2nd Street
- Napa Auto Parts
- A video store
- Napa Auto storage
- An empty lot with a canopy
- Polynesian Sun Salon
- A TV repair shop
- A chiropractor
- American Legion Post
- The Best Cafe Steak House
- A camera store
- A movie theater
- Cordz Battery Shop
- B & T Automotive
- Copeland Lumber Company.

To the east of the grassy park-like portion of the property is Viking Mart, Inc. which dispenses BP gasoline and is located on the northwest corner of Olympic Avenue and Maple Street. To the south of the grassy park-like area across Maple Street is Arlington Auto Sales and Les Schwab tires and service.

3.3 Site Description

The BNRR subject property consists of a roughly rectangular parcel of land. The northeast and southeast corners of the rectangle are owned by City of Arlington and Johnston Enterprises, respectively. The west boundary parallels a former track spur that defines the west property boundary. The property is approximately 181,036 square feet in size (4.49 acres) according to BNRR Logistics and Property services. The site is at approximately 100 feet in elevation above mean sea level.

The subject site is relatively flat with a slight downslope to the northwest. There are no topographic depressions at the site. Water does not pond on the site. Drainage at the site should flow northwest, in the direction of topographic downslope. Catch basins are located along the west side of Olympic Avenue, the north side of Maple Street and the south side of 3rd Street. There was no information available on fill materials used on the property.

Northern Portion

The northern portion of the property includes:

- The Wilderness Ware and Surplus Building (Appendix A, Photos 11 and 12), owned by Ms. Delena Heaven. Wilderness Ware and Surplus is a retail army surplus/survival supplies store in a 1900s era building with approximately 1,800 square feet (Figure 2A)

- Co-op Supply (Appendix A, Photos 7 and 8) which consists of a main store, attached warehouse, parking lot and several fenced storage areas, one of which is utilized by Arlington Hardware. Co-op Supply sells feeds, farm equipment, weed killer and CENEX products. The main store has approximately 4,900 square feet while the attached warehouse has approximately 2,250 square feet (Figure 2A).

Central Portion

The north central portion of the property consists of a large dirt parking lot used by Co-op Supply and downtown business shoppers. The parking lot is approximately 400 feet long by 160 feet wide (Figure 2A).

The south central portion of the property consists of a city park and war memorial. This area is primarily grass and trees and is approximately 250 feet long by 160 feet wide. In the southeast corner of the park and memorial area is Cordz Bayliner boat storage. Cordz Battery Shop, across Olympic Avenue to the east leases the space for boat storage. This area is primarily grass covered (Figure 2B). Photos 4, 6 and 8 of Appendix A are taken of areas in the central portion of the property.

South Portion

South of the park and memorial area is Dennis Petroleum/Cardlock Services. This facility consists of:

- A concrete bermed area which houses one 275 gallon above ground kerosene tank, and four cylindrical above ground storage tanks ranging in size from 10,000 to 20,000 gallons, which contain diesel and heating oil;

- A truck fueling station;

- One 4,000 gallon containment underground storage tank (UST) for truck fueling overspills;

- One 8,000 gallon new antifreeze UST;

- One 5,000 gallon UST containing unleaded gasoline;
- One 5,000 gallon UST containing premium unleaded gasoline;

- One 12,000 gallon UST containing diesel;

- A single fuel dispensing island;
- A 55-gallon drum used as a heating oil tank behind the warehouse;
- A car wash; and
- A warehouse/office.

The above ground fuel tanks are used for tanker truck fueling for resale, while the fuel USTs dispense retail fuel to the pump island via 'Petrocard' Cardlock service. The warehouse and office building contains a storage area that sells 5 gallon containers of new antifreeze and petroleum products. Photos 2, 3 and 4 of Appendix A present facilities mentioned regarding Dennis Petroleum Company.

During a site visit by BNRR Environmental Department and EMR in late October, a small pile (approximately 1 cubic yard) of damp soil-like material was located off the northwest corner of the building. The material had a petroleum-like odor. Upon questioning Dennis Petroleum Company personnel, this material was apparently mud cleaned out of catch basins in the car wash area. BNRR Environmental Management suggested that future catch basin cleanouts should be temporarily placed on plastic sheeting prior to removal. Dennis Petroleum Company personnel said they would comply with BNRR's request.

South of the Dennis Petroleum/Cardlock Services facility in the southwest corner of the property is a grassy park-like area (Photo 1 and 2, Appendix A). A pile of soil approximately three cubic yards in volume was visible in the northeast portion of this area. The soil appeared to be clean fill material. Figure 2B displays pertinent features in the southern portion of the property.

4.0 SITE HISTORY AND OPERATIONS

According to Ms. Joan Robinson of Rice & Robinson, Cultural Resource Management Consultants, Redmond, Washington, the site is not in an area of archeological significance (Appendix B).

The published history of the property goes back to at least the early 1900s. Prior to ownership by Burlington Northern Railroad, the property was owned by Northern Pacific Railroad, a predecessor of BNRR.

4.1 Sanborn Review

EMR reviewed available Sanborn Fire Insurance Maps for the property for the years 1905, 1909 and 1940 (Appendix B).

1905 Sanborn

A lumber shed was located in the northwest corner of the property along 3rd Street. To the east of the lumber shed was a business labeled "Corph. Shop". To the south of the lumber shed along the western property boundary, were two beer storage buildings and a coal shed. In the north central portion of the property, was a building operated by Arlington Commission Company which containing hay, grain, flour and feed. In the central portion of the property on the west property boundary, was the former Northern

Pacific Railroad Depot. In the southern portion of the property, were two grandstands.

1909 Sanborn

The lumber shed was renamed cement and lumber shed. The east was the same "Corpñ. Shop" building with the business name unidentifiable. East of this building was a building labeled "H & L Truck Chem. Eng. Hose Cart" where the current City Hall is now. To the north of the still existing hay, grain, flour and feed warehouse (labeled No. 2), was a building labeled Hay & Grain No. 1 operated by Arlington Commission Company. No other structures were present on the 1909 Sanborn Map.

1940 Sanborn

The lumber shed was renamed Baled Hay and Feed. The building to the east was occupied by an optician and a new structure in place of the building labeled "H & L Truck Chem. Eng. Hose Cart" was labeled City Hall, Public Library and Fire Station. The series of buildings located in the north central part of the property changed ownership from Arlington Commission Company to George Murphy Company. A third building was constructed to the north of the previously mentioned feed and grain buildings and was labeled "Feed". A wood storage area was located to the north of this feed building. To the north of the Northern Pacific Railroad Depot was a new coal bunker. In the southern portion of the property, where the Dennis Petroleum Company lease currently exists, an oil and grease warehouse, fuel pumps, and above ground steel oil tank existed. In the southeast corner of the property, where the grassy park-like area is currently located, was a coal shed, a coal storage area and a wood shed with attached conveyor powered by a gasoline motor.

On the northwest corner of Maple Street and Olympic Avenue, where the current Viking Mart (BP Station) is located, was an auto repair shop/garage operated by a person named McCalpin.

4.2 Aerial Photograph Review

Aerial photographs for the years 1947, 1967 and 1985 were reviewed.

1947 Aerial Photograph

The 1947 photograph showed all the same buildings and features located on the 1940 Sanborn plus two additional above-ground storage tanks added to the area where the Dennis Petroleum Company above ground fuel tanks currently exist.

1967 Aerial Photograph

The 1967 aerial photograph revealed that the building directly east of the current Wilderness Ware and Surplus building was gone and the Co-op Supply Store and warehouse had been constructed. The wood shed and attached conveyer were gone from the southwest corner of the site and an additional above ground storage tank had been added to the above ground fuel storage tank area. Also, the current Dennis Petroleum Company warehouse had been constructed. In addition, the McCalpin Garage located on the northwest corner of Olympic Avenue and Maple Street was gone, replaced by a smaller L-shaped building, likely a gas station predecessor to the BP station.

1985 Aerial Photograph

The 1985 aerial photograph indicated that the coal sheds in the southwest corner of the property were gone and the Depot was undergoing demolition. According to Mr. Michael Jones of Arlington Hardware, the three George Murphy Company hay and grain buildings had been torn down following a fire in late 1985.

4.3 Real Estate Tax Records Search

EMR personnel visited Snohomish County Court house to investigate tax audit records for the property. EMR acquired records dating back to 1971 for tax assessor plot numbers 1-006, 1-007, 1008 and 1-035 (see tax audit map, Appendix B - Historical Records Search). The tax audit map revealed that the 1-006 and 1-007 numbers are BNRR parcels that paid taxes to the county. The rest of the BNRR property is land which is on railroad reservation and is not taxable by the county. Therefore, no tax records were available for the rest of the subject property.

The tax audit number 1-008 showed that the property is currently owned by Johnston Enterprises of Everett. This property is located on the northwest corner of Maple Street and Olympic Avenue and is occupied by Viking Mart, a convenience store that dispenses BP gasoline. From 1971 through 1974, Mr. and Mrs. Otis Allen owned this property. From 1975 to 1979, Mobil Oil Company owned the property. Johnston Enterprises has owned the property since 1980. It appears that this parcel has had a history of being an automotive service or gasoline station facility since 1940.

The tax audit number 1-035 showed that the parcel has been owned by the City of Arlington since 1971. No archive tax records pre-dating 1971 were available for the subject property.

Much of the rest of the property is railroad reservation, therefore there is no tax information available.

5.0 ENVIRONMENTAL SETTING

5.1 Regional Physiography

The site is located in downtown Arlington approximately 2/3 mile southeast of the Stillaguamish River. The river drains into Port Susan at the town of Stanwood, a saltwater body which lies between the Tulalip Indian Reservation and Camano Island. There are no topographic depressions at the site.

Water does not pond on the site. Surface drainage characteristics were not visible during the time of the study, however drainage appears to follow topographic slope in the northwest direction. Catch basins are located along the west side of Olympic Avenue, the north side of Maple Street and the south side of 3rd Street.

5.2 Soil Conditions

The soil near ground surface is composed of sandy material derived from meandering of the Stillaguamish River, and glaciofluvial sediments deposited during advances and retreats of Pleistocene glaciation. The property is not located on an alluvial fan or river delta which would increase the property's seismic

susceptibility. However, it is difficult to predict the results of the instability caused by seismic liquefaction on the site and site buildings without a detailed geotechnical investigation.

Based on review of local geology, there is no evidence of asbestos, crystalline silica or zeolite minerals in the soils underlying the site. It is unknown whether ferrous or non-ferrous metal smelting slags were used as fill. It is unknown whether fill material was brought in to the site. No evidence of soil contamination was observed.

Review of local maps indicated there are no foundries within two miles of the site. Visual reconnaissance indicated no high voltage power transmission lines located within 100 yards. There is evidence of former coal storage bunkers for use on steam locomotives prior to the development of diesel locomotives. The coal storage bunkers were visible on historic Sanborn Maps and aerial photographs.

5.3 Hydrogeological Conditions

The Stillaguamish River is located approximately 2/3 mile north of the property. Portage Creek is located approximately 1/2 mile south of the property and flows northwest and drains into the Stillaquamish River. Christi Brubaker of the City of Arlington Building and Planning Department informed EMR that the area is not in a sensitive wetland area or on a 100-year flood plain. Based on topography and location of surface water features, it is expected that groundwater flows to the northwest under a relatively shallow gradient. Depth to first groundwater in the area is estimated to be at least 15 feet below ground surface.

Tank monitoring wells installed around UST systems at the Dennis Petroleum and Viking Mart BP facilities were installed to depths between 12 and 14 feet below ground surface. All tank monitoring wells have been dry according to Mr. Jack Johnston owner of the Viking Mart property, and Mr. Paul Dennis, owner of Dennis Petroleum. No direct data on groundwater quality for the site was available.

6.0 RESULTS OF INVESTIGATION

6.1 Site Inspection Observations

A site inspection was conducted by EMR on 8 November 1993. Approximately 25% of the property is developed and in use by Dennis Petroleum Company/Cardlock Services, Co-op Supply and Wilderness Ware and Surplus. Approximately 75% of the property is undeveloped and used for parking, boat storage and park recreation. The site is approximately 181,036 square feet in area. The developed portion of the property is covered by asphalt, buildings, concrete curbs and planter boxes while the remaining undeveloped portion consists of dirt, grass and vegetation.

There was no evidence of oil or chemical spills such as soil staining or stressed vegetation. There was some business related debris located on the site. This debris consisted of 16 empty 55 gallon drums located in the Dennis Petroleum Company storage area between the above ground storage tanks and the warehouse building/office. EMR was informed that these drums contained soap products. There was also some debris located west of Wilderness Ware and Surplus. This debris consisted of some material that looked like old refrigeration equipment. In the central portion of the site near the west property line are concrete foundation remains of a former coal bunker. The roof drains on buildings are located outside of the building exterior walls. It appears that the drains discharge to the ground.

Co-op Supply has a 240 gallon and 300 gallon kerosene above ground storage tank.

There were no evidence of underground storage tanks located on any portion of the property except the portion used by Dennis Petroleum Company/Cardlock Services.

On the northeast corner of the Co-op Supply warehouse and southwest corner of the City Hall parking lot, was a 55 gallon drum (Photo 13, Appendix A) which felt full and had a black tar-like substance on the outer surface. The drum was not labeled. Upon a conversation with Mr. Dean Olsen, of the City of Arlington Fire Department, the drummed material was roofing tar material left over from a roofing job on the Co-op Supply buildings. Mr. Olsen informed EMR that Co-op Supply would be notified to remove the drum.

One set of three pole-mounted transformers (Figure 2, transformer set #1), was present on the southeast corner of the Cordz Bayliner Boat Storage area. The transformers were labeled L10028, N20589 and L11501. An additional three pole-mounted transformers were present on the southeast corner of the Viking Mart/BP station (Figure 2, transformer set #2). These transformers were labeled L3987X, P44S0X, and L5411X - PCB tested. According to Mr. Jeff Schort of Snohomish County PUD, transformer N20589 was installed PCB-free in 1985. All other transformers installed between 1962 and 1971 have not been tested. However, Mr. Schort reported that other transformers with similar identification numbers have tested less than 1 part per million (ppm) PCBs.

6.1.1 Building Descriptions

The buildings located on the property vary in type and time period of construction. There was no information available regarding original builders or architects. EMR personnel conducted a limited building inspection.

None of the buildings were currently or recently utilizing a steam boiler heating system. No friable asbestos containing materials were observed. All of the buildings were heated by natural gas. The buildings are connected to the municipal sanitary sewer system and connected to the municipal potable water supply.

There was no evidence of mineral wool, slag wool, or refractory ceramic fibers (RCFs) observed at the site. There were no other man-made mineral fiber containing materials observed at the site. The buildings did not appear insulated with fiberglass.

There was no formaldehyde-releasing substances or solvent-plasticizer releasing substances observed in any of the buildings.

There were no fluid-filled capacitors observed inside the buildings. There were no fluorescent lighting fixtures with PCB-ballasts observed on the site. No transformers were present in the buildings.

No existing or latent defects in buildings or structures were observed on the site. There is no history of insectoidal or arachnoidal infestations at the site according to Snohomish County Environmental Health Department.

6.1.2 Wilderness Ware and Surplus Building

The Wilderness Ware and Surplus Building is a wood building that was built around the turn of the century. The northern portion of the building, which houses the business, is in fair condition while the southern portion of the building which is not used, has deteriorated and is largely open on the south end (Photo 13, Appendix A). The walls of the east, south and west sides of the building were sided with corrugated sheet metal, wood and tar paper. Nothing that EMR observed in the building indicated an area of potential environmental concern. An interview with the building owner is discussed in a later section of this report.

6.1.3 Co-op Supply Store and Warehouse

The Co-op Supply Store and Warehouse are of concrete block construction. The buildings were constructed between 1947 and 1967, based on review of aerial photographs. The store has a flat tar roof while the warehouse has a pitched sheet metal roof. On the south and west sides of the store building are metal fenced areas used for storage. One of these fenced areas are utilized by Arlington Hardware Store. The store holds mostly hardware and small containers of feeds and fertilizers. The warehouse holds bulk fertilizer and feeds. On the east side of the store building and the north and south sides of the warehouse building are concrete loading docks. The north loading dock on the warehouse building is no longer in use. Nothing that EMR observed in the buildings indicated an area of potential environmental concern.

6.1.4 Dennis Petroleum Company/Cardlock Facilities

The Dennis Petroleum Company warehouse is a steel frame and sheetmetal building with an arched, sheetmetal roof. The northeast portion of the building is used for office space. The west side of the building is used for storage of containers of new antifreeze and petroleum products. Nothing that EMR observed in the building indicated an area of potential environmental concern. On the east side of the building was a concrete loading dock.

6.2 Results of Regulatory Agency Contacts

VISTA Environmental Information, Inc. was contracted to provide a national radius profile for the site. This profile presents the results of a search of US EPA Superfund sites (NPL), potential Superfund sites (CERCLIS), RCRA large and small quantity generators (SARA III), RCRA treatment, storage and disposal (TSD) facilities, RCRA transporters and the US EPA emergency response notification system (ERNS). It also includes Washington Department of Ecology (WDOE) site register Toxics cleanup program list (SPL), affected media and contaminants report, regional leaking underground storage tank (LUST) programs, WDOE municipal solid waste landfill (SWLF) facilities, and the WDOE underground storage tank (UST) listing. The Vista report is provided in Appendix D.

6.2.1 Federal Database Information

No sites were listed within a one-mile radius of the subject property as an US EPA NPL site, US EPA TSD facility, or RCRA transporter. There was one site on the CERCLIS list within 1/2 mile of the subject property. There is one site present on the RCRA Large Quantity Generator list within 1/4 mile

of the subject property. There are two sites present on the RCRA Small Quantity Generator List within 1/4 mile of the subject property. There were no federal database sites listed as unmappable. Unmappable sites are sites that cannot be geocoded, but can be located by zip code or city name. There are six ERNS sites listed in the zip code but not in the site vicinity.

6.2.2 State Database Information

The following sites were sites under the state database

- There is one WDOE SPL site listed within one mile of the subject property. The SPL site is Christianson Company at 7415 204th Street N.E. located 0.93 miles to the southwest of the subject property;

- The Plaza 76 WDOE LUST site is located 0.13 miles to the northwest of the subject property at 319 N. West Avenue;

- The former Union 76 Station WDOE LUST site is located 0.29 miles to the north of the property at 540 N. Olympic Avenue;

- The Frontier Bank WDOE LUST site is located 0.28 miles to the north of the property at 525 N. Olympic Avenue;

- The Arlington Maintenance Facility WDOE LUST site is located 0.44 miles to the south of the property at 521 S. Olympic Avenue

- One WDOE LUST site was listed as unmappable.

EMR reviewed the files for the Plaza 76 WDOE LUST site at WDOE on November 19, 1993. The Christianson Company file was not reviewed due to this site's distance from the subject property. No information from the files was available regarding inferred groundwater flow direction. However, based on topography and flow direction of the Stillaquamish River, groundwater is estimated to flow toward the northwest. The Plaza 76 site is an independent gasoline service station which dispenses Union 76 products. The file indicated that approximately 300 yards of gasoline contaminated soils were in the ground with maximum concentrations of 300 parts per million (ppm). The file review revealed that no cleanup had commenced but that there were intentions to Landfarm the affected soils. No other file information was available.

The other LUST site files were not reviewed because they are over 1/4 mile from the subject property and downgradient from the subject property. There are no records of catastrophic fuel or chemical releases that might migrate down utility corridors. Based on these observations, EMR believes the other LUST sites should not affect the subject property.

There are nine sites listed on the WDOE UST database within 1/4 mile of the subject property. One WDOE UST site was listed as unmappable.

No WDOE-SWLF sites were identified within a one mile-radius of the property. However, five landfill sites were identified as unmappable. Review into these SWLF sites indicate they are greater than one mile distant from the subject property.

Table 1: Regulatory Agency File Search Summary

LIST	SITE NAME	ADDRESS	DISTANCE/DIRECTION
US EPA CERCLIS Sites	Arlington Ford	Hwy 9 and Highway Drive Arlington WA 98223	0.42 miles/SW
US EPA RCRA Large Quantity Generator	Arlington SD 16	600 E. 1st Street Arlington WA 98223	0.25 miles/SE
US EPA RCRA Small Quantity Generator	Bob's Body Shop	101 E. 4th Street Arlington WA 98223	0.17 miles/NW
	John Henken Chevrolet, Inc.	315 West Avenue Arlington WA 98223	0.13 miles/NW
WDOE SPL List	Christianson Co.	7415 204th Street N.E Arlington WA 98223	0.93 miles/SW
WDOE LUST LIST	Plaza 76	319 N West Avenue Arlington WA 98223	0.13 miles/NW
	Union 76 Station (former)	540 N. Olympic Avenue Arlington WA 98223	0.29 miles/N
	Frontier Bank	525 N. Olympic Avenue Arlington WA 98223	0.28 miles/N
	WOOT Arlington Maintenance	521 South Olympic St., Arlington WA 98223	0.44 miles/S
WDOE UST LIST	Bradley Mfg & Supplies	122 N McLeod Arlington WA 98223	0.08 miles/SE
	Arlington Hardware & Lumber, Inc.	215 N. Olympic Ave Arlington WA 98223	0.02 miles/N
	Viking Mart, Inc.	140 S. Olympic Ave Arlington WA 98223	0.12 miles/S
	Dennis Petroleum	104 South Olympic Ave Arlington WA 98223	0.09 miles/S
	Dean T. Olsen Arlington Shell Service	404 N. Olympic Ave Arlington WA 98223	0.17 miles/N
	John Henken Chevrolet, Inc.	315 W. Ave, P.O. Box 158, Arlington WA 98223	0.13 miles/S
	Davis Plaza, Inc.	319 West Ave Arlington WA 98223	0.13 miles/NW
	Twin City Foods, Inc.	201 S. West Ave Arlington WA 98223	0.24 miles/SW
	Nelson Distributing	208 S. West St. Arlington WA 98223	0.25 miles/SW

6.3 Results of Personnel Interview/Site Records Review

According to Mr. Dean Olsen of the of City of Arlington Fire Department, No hazardous materials violations have been reported.

EMR provided a questionnaire to the lessees of the Burlington Northern Railroad property The questions were answered to the best of the occupants knowledge as either yes, no or unknown. The completed interview questionnaires are presented in Occupant Questionnaires, Appendix C.

Interview with Ms. Delena Heaven, owner of Wilderness Ware and Surplus Building

Wilderness Ware and Surplus, located at 102 E. Third Street has been in business since 1987. Ms. Heaven reported that no hazardous substances have been stored in the building. She reported knowledge of a former feed mill located on the property from the 1950s or earlier. She did not know of underground storage tanks located around or under the building.

Interview with Mr. Howard Sowards, representative of Co-op Supply Buildings

Co-op Supply has been in business in Arlington since 1982. Mr. Sowards reported that five gallon containers of weed killer herbicide are stored at the facility. He was unaware of any possible spills in the past. Mr. Sowards also reported that there were sacks of dry fertilizer and weed killer stored at the facility and told EMR that two above ground kerosene tanks were present at the site which consists of one 240 gallon tank and one 300 gallon tank. He was not aware of any previous environmental assessments conducted at the facility.

Interview with Mr. Cordz, Cordz Bayliner Boat Storage Area

Mr. Cordz of Cordz Battery Shop and Bayliner Boat Sales, located on the east side of Olympic Avenue, was interviewed regarding use of property on the southeast corner of the park and memorial. Mr. Cordz informed EMR that he has utilized this space for Bayliner boat storage for several years. Prior to the space being utilized as boat storage, Mr. Cordz said the space was a vacant lot used for parking. The battery shop located across from the subject property has used batteries that are stored here and are picked up every two weeks. Mr. Cordz was not aware of any previous spills in the past that potentially could result in a release of lead-containing acid to the environment.

Interview with Mr. Paul Dennis of Dennis Petroleum Co./Cardlock Services

Mr. Dennis reported that Dennis Petroleum had leased the property south of the park and memorial since 1983. Besides the previously mentioned above ground storage tanks located in a concrete berm area, Dennis Petroleum operates two USTs. One is a 4,000 gallon UST used for containment overspill during truck fueling. The other is an 8,000 gallon new antifreeze UST. Prior to Dennis Petroleum owning operations, the facility was run by Shell Oil. In a fenced area between the aboveground tanks and the warehouse were 16 empty steel drums of various sizes that reportedly contained soap. The underground fuel storage tanks for Cardlock Services and the car wash had been installed in 1985. The USTs consist of two 5,000 gallon unleaded gasoline tanks and one 12,000 gallon diesel UST. All of the USTs were installed with cathodic protection, overfill and overspill protection, in-tank and in-line electronic spill

detection monitors, and 12 foot deep monitoring wells (dry). In addition, Dennis Petroleum Company/Cardlock Services has maintained daily inventory control to determine potential inventory losses. No inventory losses have been recorded. Based on the interview, EMR determined there were no potential areas of environmental concern regarding the USTs.

Interview with Mr. Jack Johnston, Johnston Enterprises, owner of Viking Mart/BP Station Property

Mr. Johnston informed us that four steel USTs containing gasoline and diesel products were removed and replaced with four steel USTs in 1989. In addition a waste oil tank and heating oil tank were removed. To the best of his knowledge, the excavation areas showed no signs of UST leaks during the removal activities and that as far as he knew there were no inventory losses on record attributed to a release. Four tank field wells, one in each corner, were installed during the new UST installation to a depth of 14 feet. As far as Mr. Johnston knew, there was no evidence of groundwater in these wells at any time. In addition to the tank field monitoring wells, the USTs have electronic line and tank spill detection monitors, cathodic protection, and overfill/overspill protection. The facility was listed on WDOE's registered UST tank owners list but not on WDOE's LUST list. Mr. Johnston was not aware of the history of the site prior to the site being used as a Mobil Service Station, as noted in Section 4.3.

Interview with Mr. Thomas Meyer, City Manager of City of Arlington

Mr. Myer was not aware of any history of storage regarding hazardous substances or presence of above ground tanks or USTs. EMR questioned Mr. Meyer regarding the 55 gallon drum of roofing tar-like material present off the southwest corner of the City Hall parking lot. Mr. Meyer was not aware of the drum but told EMR that he would ask Mr. Dean Olsen of City of Arlington Fire Department. Mr. Meyer also informed EMR that the city had a lease with Lion's Park, the park and memorial located south of Co-op Supply and north of Dennis Petroleum Company.

6.4 Synopsis of Results of Previous Environmental Investigations

It is not apparent that any previous environmental investigations have been conducted at the subject property.

7.0 DISCUSSION

The following environmental considerations are discussed:

- One pole-mounted transformer was installed PCB-free in 1985. One transformer was labeled PCB-Tested. All other transformers have never been tested for PCBs.

- A total of seven (7) above ground storage tanks were present on site that contain various petroleum products. There is no record of any petroleum releases having occurred on the property. There is a total of five (5) USTs located on the property, all located on the Dennis Petroleum Company lease. There is no record of inventory losses from these USTs.

- Puget Sound Air Pollution Control Agency (PSAPCA) lists no air emission violations for the site.

- The facilities get their water from a municipal water supply.

- There was one 55 gallon drum of roofing tar like material was located between the City Hall Parking Lot and Co-op Supply warehouse. Mr. Dean Olsen of the City of Arlington Fire Department reported that the drum was Coop Supply's and that it would be removed. 16 empty drums located at the Dennis Petroleum Company lease reportedly contained soap. One 55 gallon drum behind Dennis Petroleum is being used as a heating oil tank.

- There is no known history of pesticide or herbicide use. The vegetation around the property showed no signs of distress.

- Based on interviews with the City of Arlington Fire Department, the local health department, WDOE, and PSAPCA, there are no reported regulatory actions.

- Four WDOE LUST sites and one WDOE SPL sites were identified within a one-mile radius of the subject property.

- There was no obvious friable asbestos containing material located in any of the site buildings.

8.0 CONCLUSIONS

8.1 Areas of No Apparent Concern

Based on the regulatory database search, historical information, and our site observations the site use in the north and central areas of the property did not reveal any potential areas of environmental concern. These areas include Wilderness Ware and Surplus, Co-op Supply and parking lot, the main parking lot, Lion's park and memorial, and Cordz Bayliner boat storage.

Though underground storage tanks are present on the Dennis Petroleum Company lease, they were installed only eight years ago with all the leak detection equipment suggested or required by the EPA. Since there are no records of inventory losses and no recorded releases with WDOE, the USTs are not considered an area of environmental concern.

8.2 Areas of Further Concern

Because of the long history of above ground petroleum storage at the Dennis Petroleum Company lease and underground petroleum storage/automotive repair at the adjacent Johnson Enterprises property, EMR suggests that these areas are of potential concern.

9.0 RECOMMENDATIONS

9.1 Areas of Action

Based on the historic petroleum storage use of the property, EMR suggests that the adjacent Viking Mart/BP station property and the Dennis Petroleum Company lease are areas of action to address.

9.2 Further Investigation

EMR recommends a Phase II Investigation to determine if past above ground storage of petroleum products in the vicinity of the Dennis Petroleum Company lease has resulted in subsurface impacts to soil and/or groundwater. Also, the southwest portion of the property to the west of the Viking Mart/BP Station should be investigated to determine if any subsurface impacts are present due to past use of the property as a gasoline service/automotive repair facility. This Phase II Investigation would include drilling of soil borings, soil and groundwater sampling, and installation of groundwater monitoring wells. In addition, we recommend a water well survey that would investigate municipal, industrial, agricultural, recovery, domestic, injection and monitoring wells within a one-mile radius. This survey would provide information to evaluate whether migration of potential petroleum constituents toward sensitive well receptors is likely or not.

9.3 Site Cleanup

As there was no evidence of contamination of surface or subsurface materials during this Phase I Investigation, it is unknown whether site cleanup is necessary at this time.

10.0 LIMITATIONS

This assessment was completed following generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area. Geologic and soil formations are inherently random, variable and indeterminate in nature; therefore, the findings and conclusions stated herein must be considered not as scientific certainties, but as professional opinions concerning the significance of the limited data gathered during the assessment. No other warranty, expressed or implied, is made. EMR does not and cannot represent that the site contains no hazardous waste or material, petroleum products, or other latent condition beyond that noted by EMR during the period of site assessment. Reuse of any part of this assessment for any other purpose without EMR's written authorization shall be at Client's risk. The Client agrees to indemnify and hold harmless EMR from all actions, claims, damages, and expense, including attorney fees, arising out of any unauthorized reuse.

11.0 REFERENCES

11.1 Published References

Vista Environmental Information, Inc.
5060 Shoreham Place, Suite 300
San Diego, CA 92122

Arlington West, WA
USGS 7.5' Topographic Quadrangle
USGS 1981

Arlington East, WA
USGS 7.5' Topographic Quadrangle
USGS 1956

Sanborn Map Company
629 Fifth Ave.
Pelham, NY 10803

Ms. Joan Robinson
Rice and Robinson
Cultural Resource Mgmt. Consultants
(206) 881-8761

Ms. Judy Fisher
WDOE-Northwest Regional Office
File Records (Water Wells)
(206) 649-7239

Snohomish County Tax Office
Everett, Washington

11.2 Record of Personal Communications

Mr. Michael E. Clift
Manager, Environmental Engineering
Burlington Northern Railroad
2000 First Interstate Building
999 Third Avenue
Seattle, Washington 98104-1105
(206) 467-3384

Mr. Fred Wagner
Manager, Property Services
Burlington Northern Railroad
2100 First Interstate Center
999 Third Avenue
Seattle, Washington
(206) 467-3491

Ms. Marian Bruner, HQ Enforcement Coordinator
WDOE Enforcement
Olympia, WA
(206) 407-6961

Mr. Jeff Schort
Snohomish County PUD
(206) 347-4314

Mr. Dean T. Olsen
City of Arlington Fire Dept.
(206) 435-3818

Ms. Stella Nehan
Puget Sound Air Pollution Control Agency (PSAPCA)
(206) 343-8800

Mike Young
Snohomish County Environmental Health
(206) 339-5250

Ms. Judy Fisher
WDOE-Northwest Regional Office
File Records (Water Wells)
(206) 649-7239

Ms. Christi Brubaker
City of Arlington
Building and Land Planning
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Ms. Delena Heaven,
Owner of Wilderness Ware & Surplus Building
(206) 435-4880

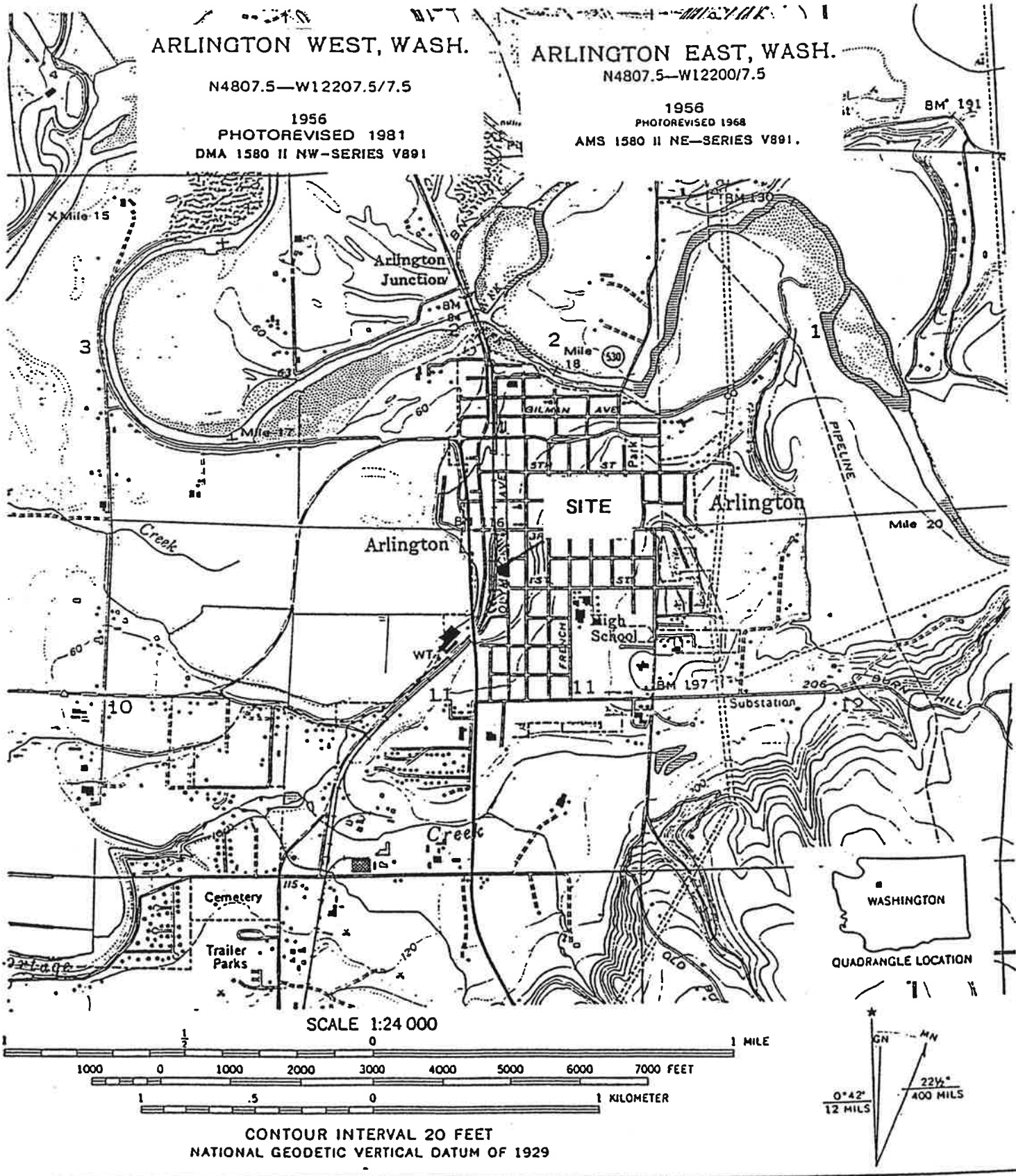
Mr. Howard Sowards
Marysville Co-op Supply
(206) 659-1236

Mr. Paul Dennis
Dennis Petroleum Company
(206) 353-9701

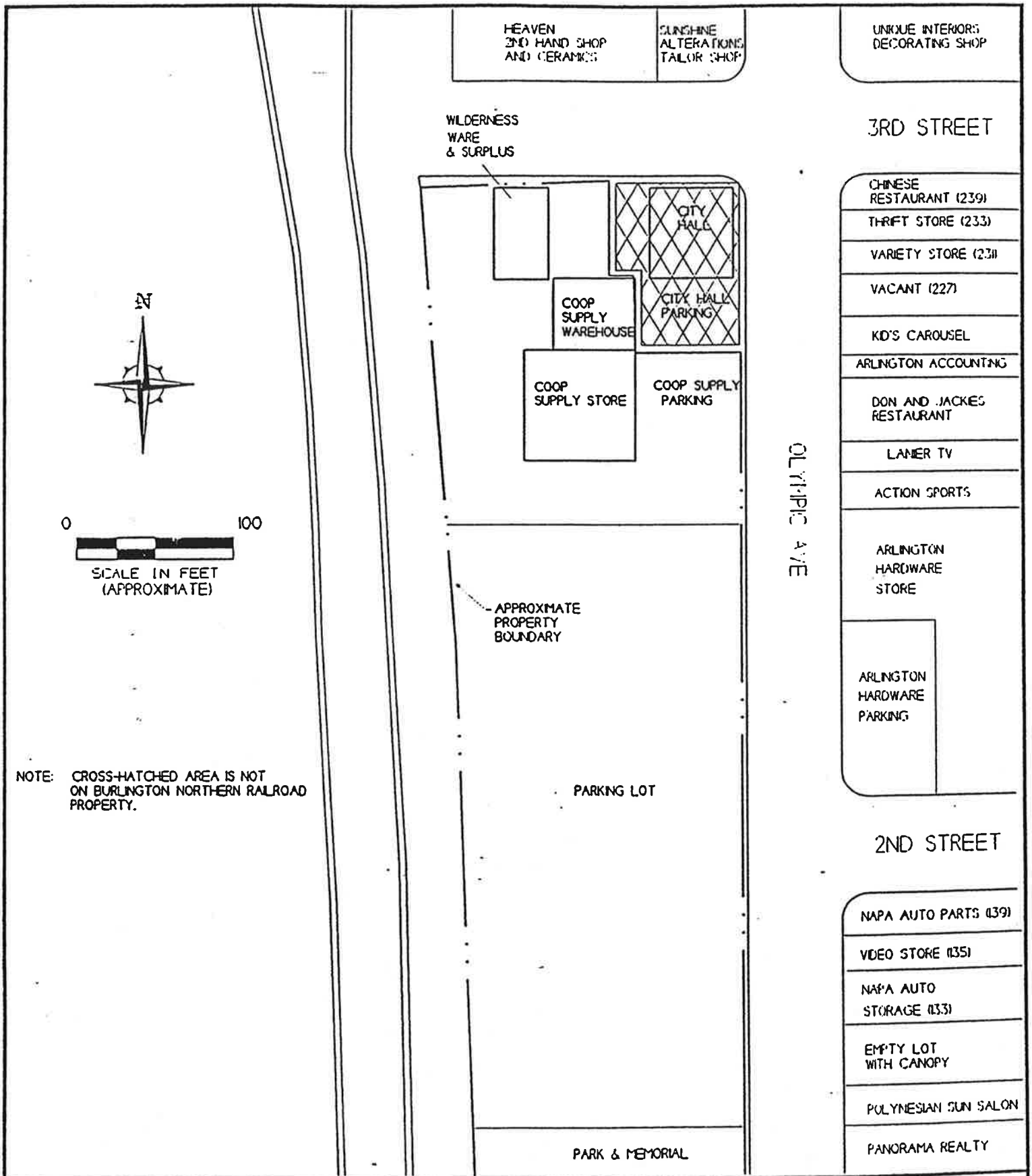
Mr. Jack Johnston
Johnston Enterprises
(206) 252-1179

Mr. Thom Myers
City of Arlington
City Administrator
(206) 435-5785

Mr. Michael Jones
Arlington Hardware
(206) 435-5523



EMR INCORPORATED	BURLINGTON NORTHERN RAILROAD Phase I Investigation	Drawn By: DLW Checked By: TJP Project #: 1063 C.I.D.	Revision No.: 1 Date: 1/5/93 Scale: File Name: 1063-L.GCD	FIGURE 1 1 of 1
	ARLINGTON, WASHINGTON Site Location Map			



NOTE: CROSS-HATCHED AREA IS NOT ON BURLINGTON NORTHERN RAILROAD PROPERTY.

EMR INCORPORATED
ENVIRONMENTAL MANAGEMENT RESOURCES

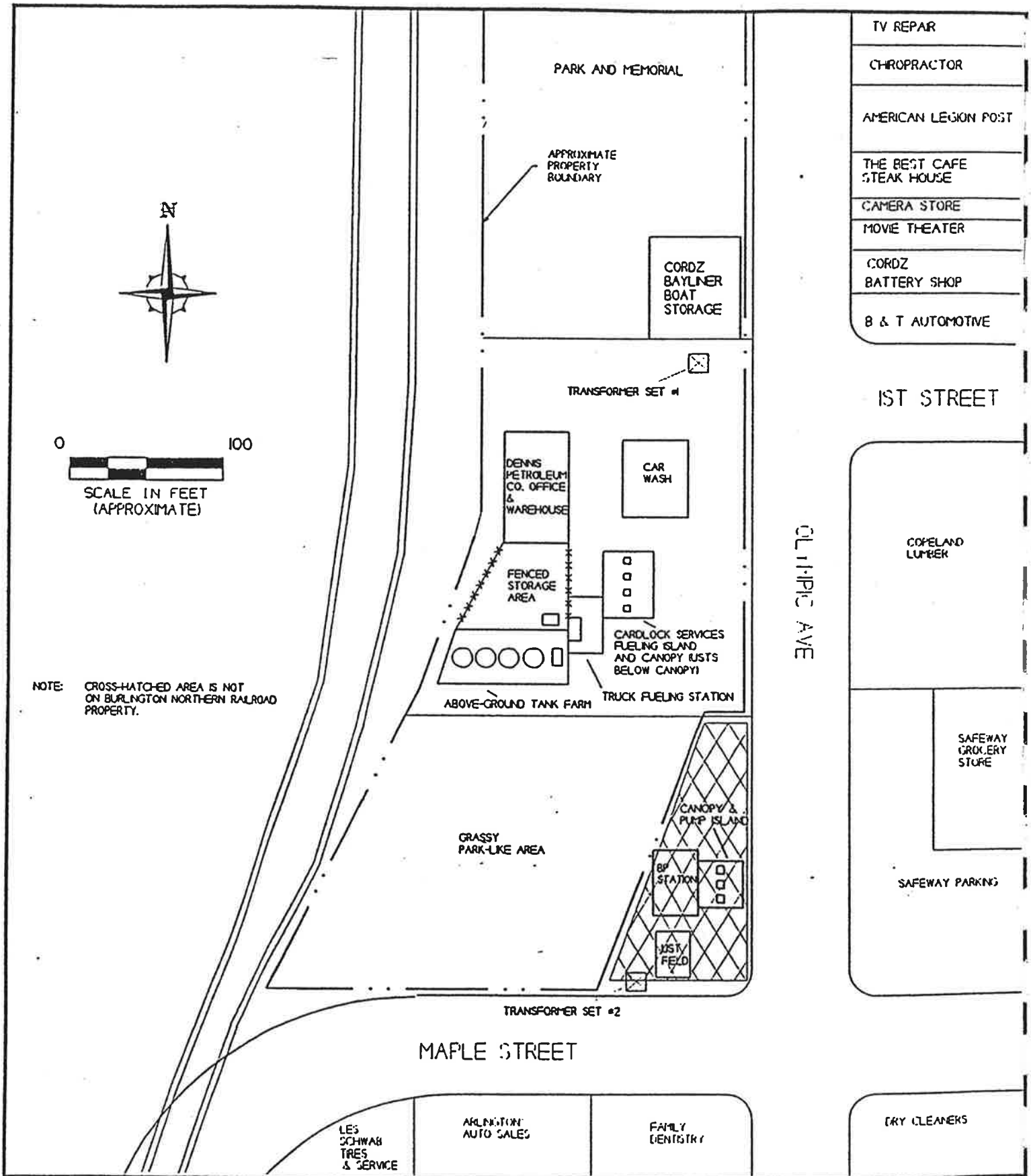
BURLINGTON NORTHERN RAILROAD
Phase I Investigation

ARLINGTON, WASHINGTON
General Site Plan-North Half

Drawn By: DLW
Checked By: TJP
Project #: 1063
C.I.D.

Revision No.: 1
Date: 1/5/93
Scale:
File Name: 1063.GCD

FIGURE 2A
1 of 1



EMR INCORPORATED
ENVIRONMENTAL MANAGEMENT RESOURCES

BURLINGTON NORTHERN RAILROAD
Phase I Investigation

ARLINGTON, WASHINGTON
General Site Plan-South Half

Drawn By:	DLW
Checked By:	TJP
Project #:	1063
C.I.D.	

Revision No.:	1
Date:	11/5/93
Scale:	
File Name:	1063.GCD

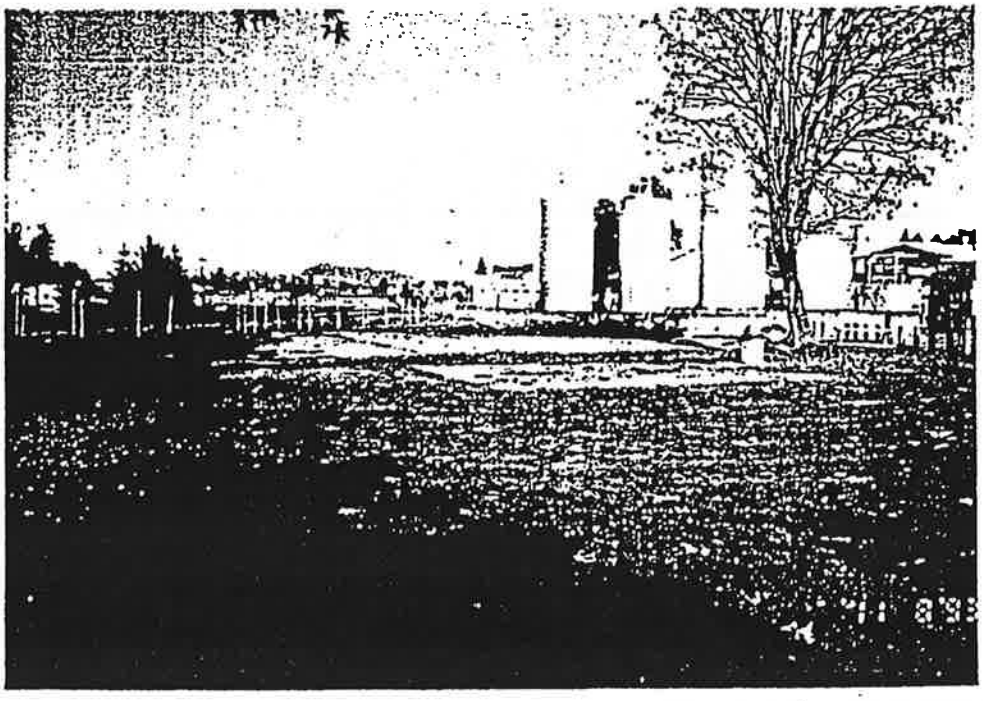
FIGURE 2B
1 of 1

APPENDIX A: Photographs

PHOTO LOG

DATE: November 18, 1993
PROJECT NAME: BNRR Downtown Arlington PROJECT NUMBER: 1063
PROJECT LOCATION: West Side of Olympic Ave between Maple and 3rd Sts.

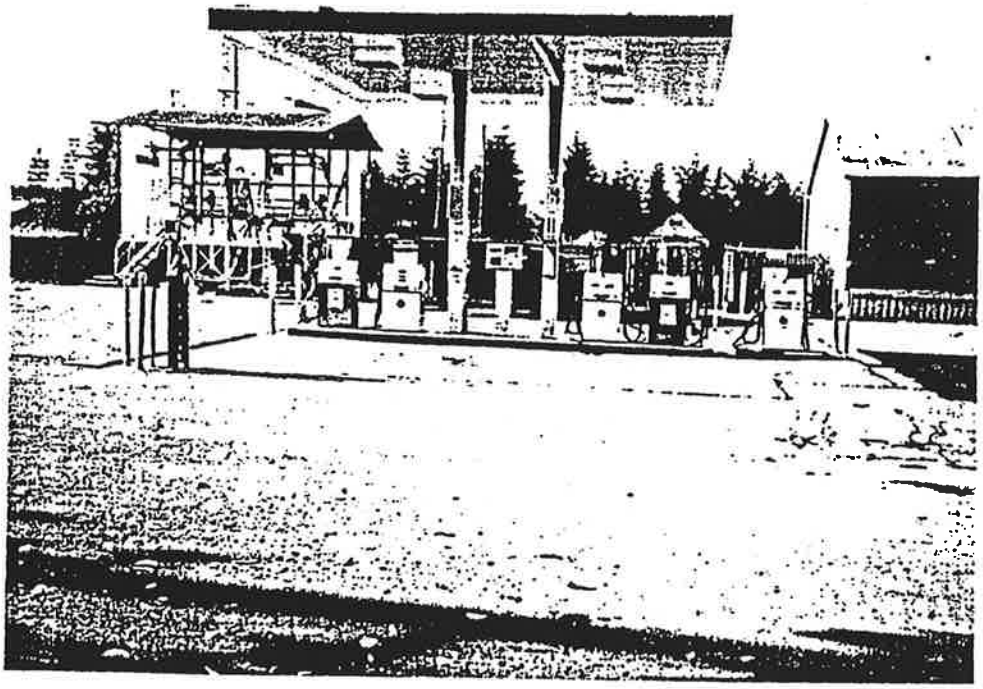
EMR	PHOTO: 1	VIEW: Toward SW looking at grassy southern portion of property west of BP Service Station.



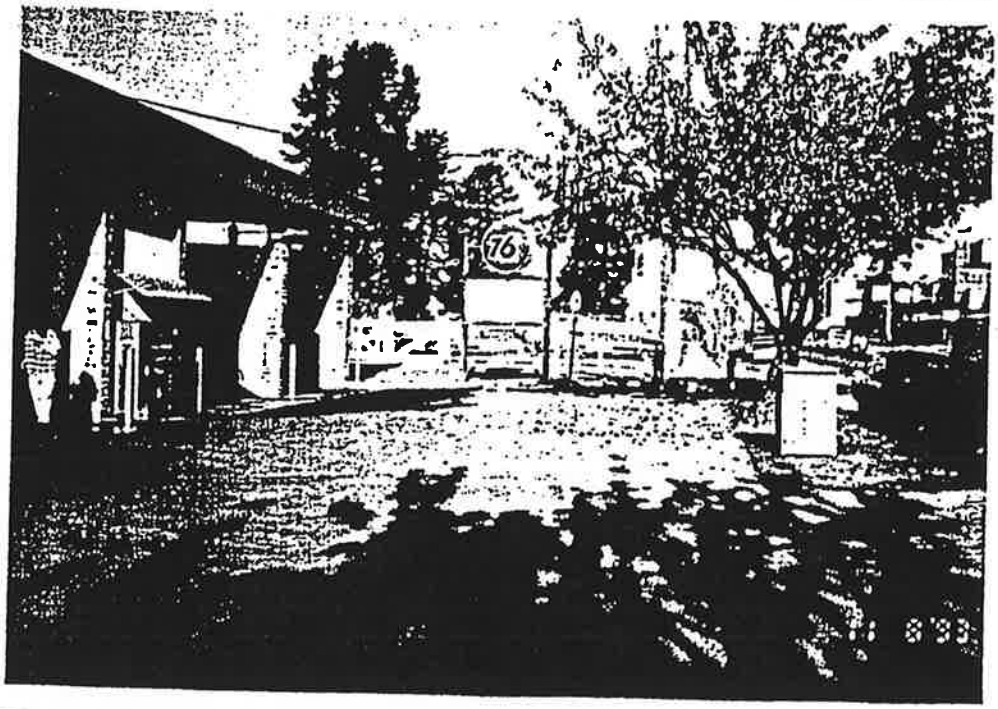
EMR	PHOTO: 2	VIEW: Toward N from southern portion of property with Dennis Petroleum Co. above ground tanks located in the right portion of picture and Co-op Supply building behind pacific pride sign.

PHOTO LOG

DATE: November 18, 1993
PROJECT NAME: BNRR Downtown Arlington
PROJECT NUMBER: 1063
PROJECT LOCATION: West Side of Olympic Ave between Maple and 3rd Sts.



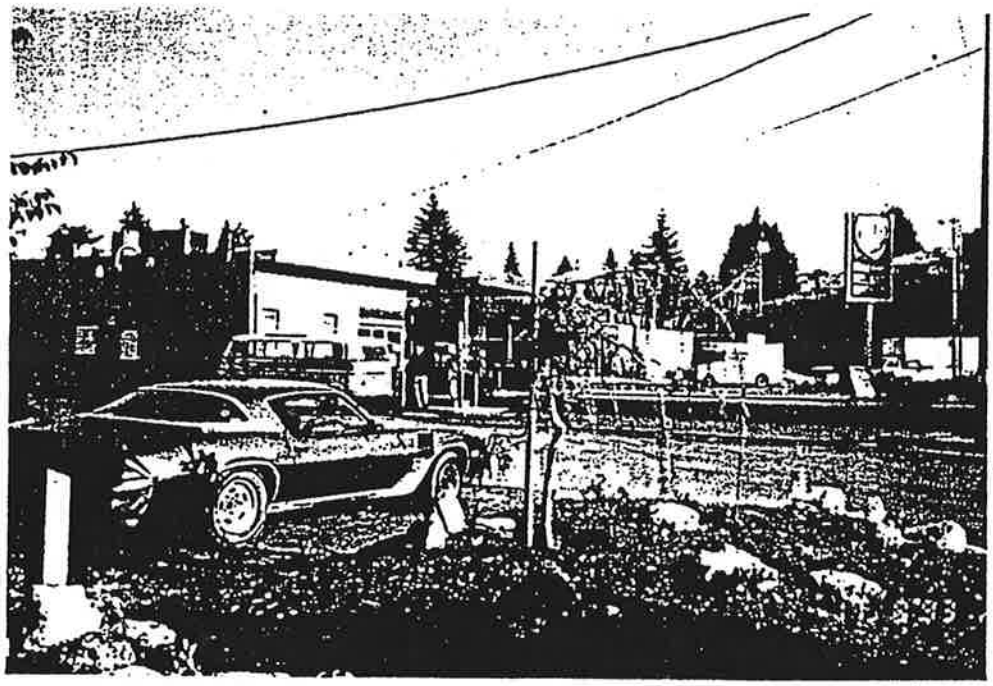
EMR	PHOTO: 3	VIEW: Toward E looking at Dennis Petroleum and Cardlock Services Facility in south central portion of property. Note USTs under pump island canopy.



EMR	PHOTO: 4	VIEW: Toward N from Cardlock Services, with Carwash in left portion of picture, Cordz Bayliner storage area in background behind Union 76 sign, and businesses across Olympic Ave.

PHOTO LOG

DATE: November 18, 1993
PROJECT NAME: BNRR Downtown Arlington PROJECT NUMBER: 1063
PROJECT LOCATION: West Side of Olympic Ave between Maple and 3rd Sts.



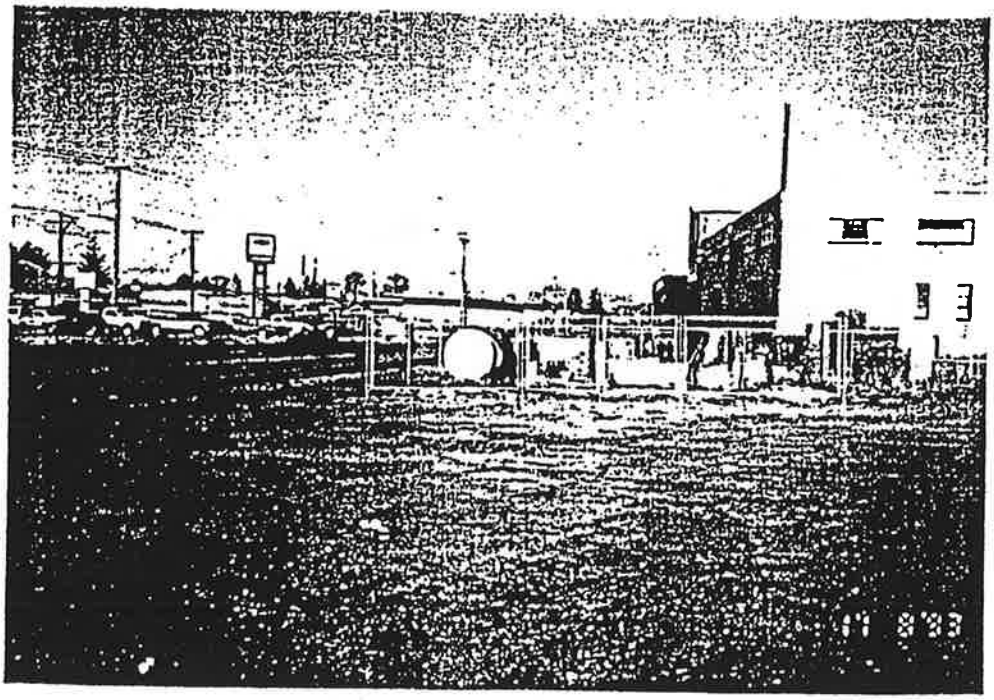
EMR	PHOTO: 5	VIEW: Toward SE looking at BP Service Station located on NW corner of Maple St and Olympic Ave, and east of southern portion of subject property.

EMR	PHOTO: 6	VIEW: Toward S from Co-op Supply parking lot. Concrete remnants in foreground is likely a former concrete coal bunker (Sanborn Maps) from NPRR times. Park and Memorial in tree-lined area in left portion of picture.

PHOTO LOG

DATE: November 18, 1993
PROJECT NAME: BNRR Downtown Arlington PROJECT NUMBER: 1063
PROJECT LOCATION: West Side of Olympic Ave between Maple and 3rd Sts.

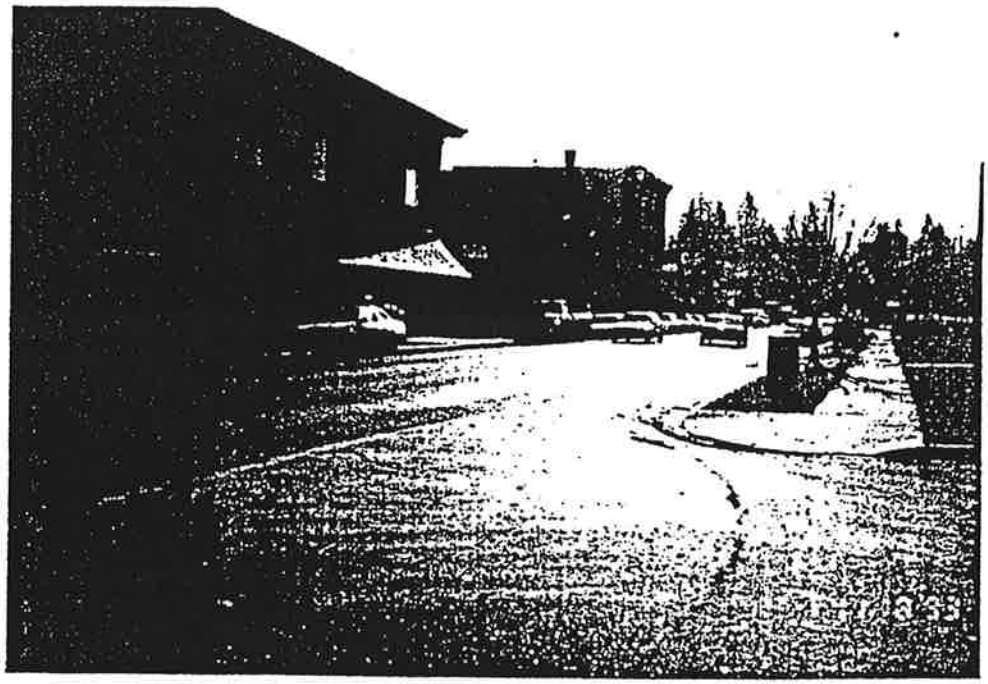
EMR	PHOTO: 7	VIEW: Toward SW from City Hall Parking Lot at Co-op Supply Store (background) and warehouse (right portion of photo).



EMR	PHOTO: 8	VIEW: Toward N from Co-op Supply parking lot. Co-op Supply Store and fenced area on west side of Co-op Supply Store.

PHOTO LOG

DATE: November 18, 1993
PROJECT NAME: BNRR Downtown Arlington
PROJECT NUMBER: 1063
PROJECT LOCATION: West Side of Olympic Ave between Maple and 3rd Sts.



EMR	PHOTO: 9	VIEW: Toward SE from central property parking lot at businesses across Olympic Ave.

EMR	PHOTO: 10	VIEW: Toward NE central property parking lot at businesses across Olympic Ave.

APPENDIX B: Historical Records Search

Rice & Robinson

Cultural Resource Management Consultants
6324-158th Ct. N.E.
Redmond, WA 98052
(206)881-8761
Fax: (206)881-8761

December 6, 1993

EMR, Inc.
2509 152nd Ave NE, Suite C
Redmond, WA 98052
Attention: Janet Wilson

Dear Janet:

On December 3 I visited the Washington State Office of Archaeology and Historic Preservation (OAHP) in Olympia to search their files for information on a project in Arlington (T31N/R5E/NW4 NE4 Section 11) as you had requested. No archaeological sites, buildings or features of historic significance are recorded for that location.

Sincerely,

Joan Robinson
Cultural Resources Management Consultant

SANBORN MAPPING AND GEOGRAPHIC INFORMATION SERVICE
629 FIFTH AVE, PELHAM, NY 10803
TEL (914) 738-1649 / FAX (914) 738-165

SANBORN MAP-SITE SEARCH REPORT

Customer: Vista Environmental Information
5060 Shoreham Place, Suite 300
San Diego, CA 92122

Ship To:
☐ Vista-San Diego, CA (800) 733-7606
☐ Vista-Exton, PA (800) 542-8348
☒ EMR
Redmond WA

Fax To:
☒ S.D., CA (619) 450-6195
☐ Exton, PA (215) 458-1134

Request Date 11 / 9 / 93

PO # 302011 WA

Requestor:
SD, CA ☒
Exton, PA ☐

Call Back ($20 Surcharge) ☐

Shipping: 1st Class ☒ UPS ☐
Priority Mail ☐ 2nd Day UPS ☐
Express Mail ☐ UPS Overnight ☐
Federal Express ☐

Fed Exp # _____

Search Mode: Full Search ☒ | Time Span Search ☐ _____

Site # _____ **City/State** Arlington WA

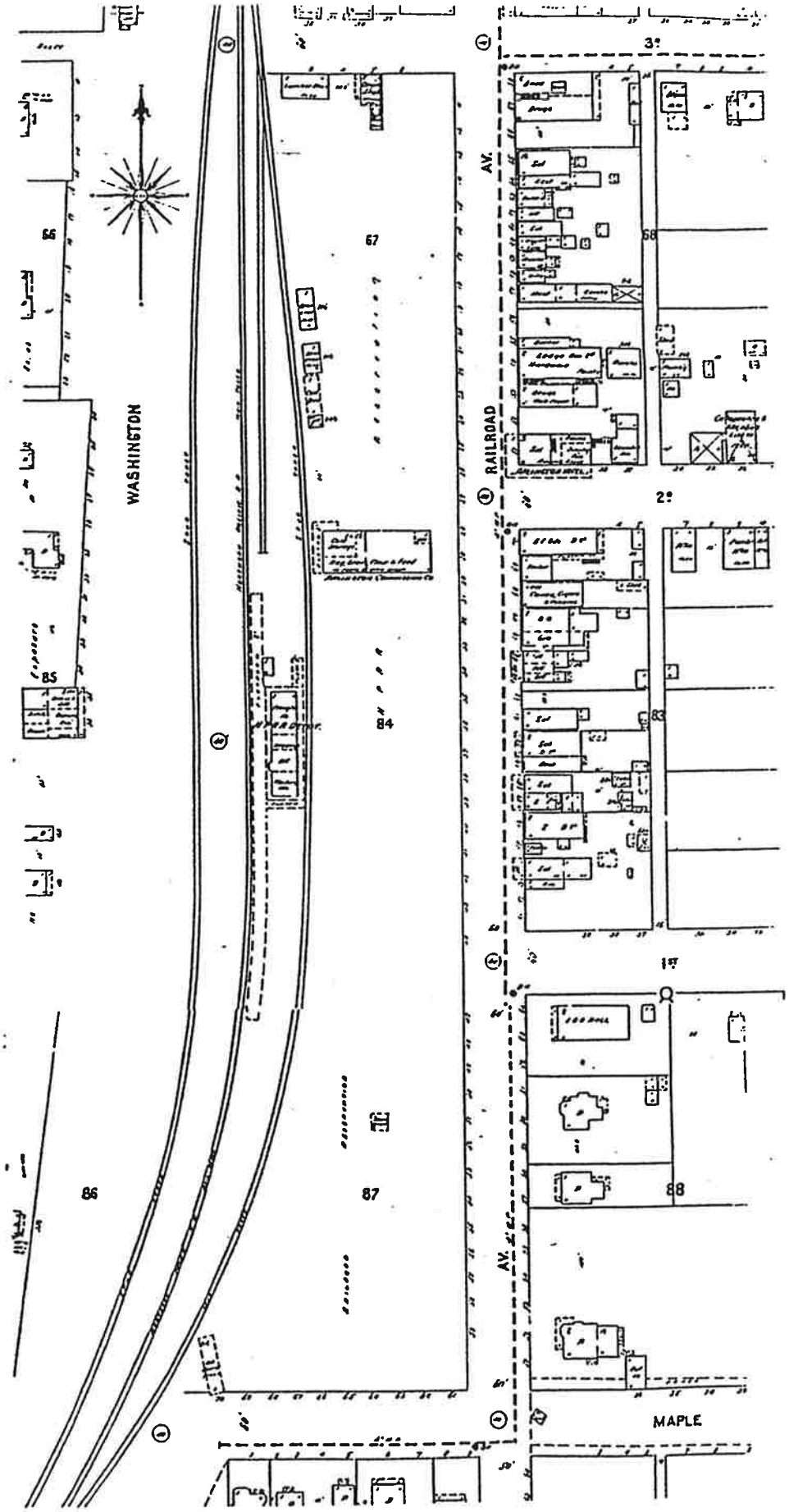
Location W/S Olympic Av. 3rd St to Maple St

Dates of Coverage	No. of Maps
1940	2
1909	2
1905	2
TOTAL	6

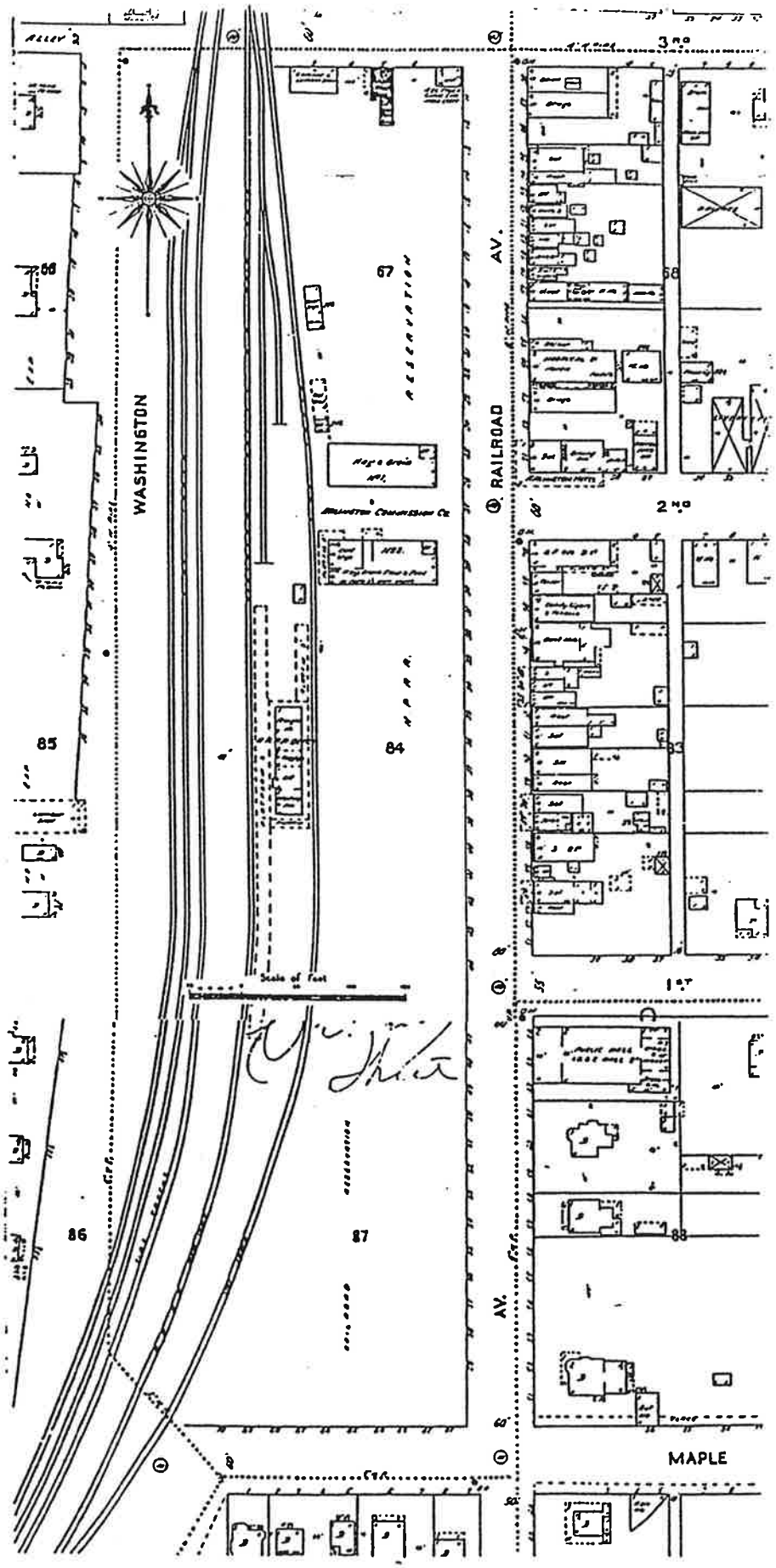
NC ☐ = NO COVERAGE ___/___ _____

If the *NC Box* is checked, *Sanborn certifies* that a search has been made of our holdings and *no* Sanborn Maps are available for this site.

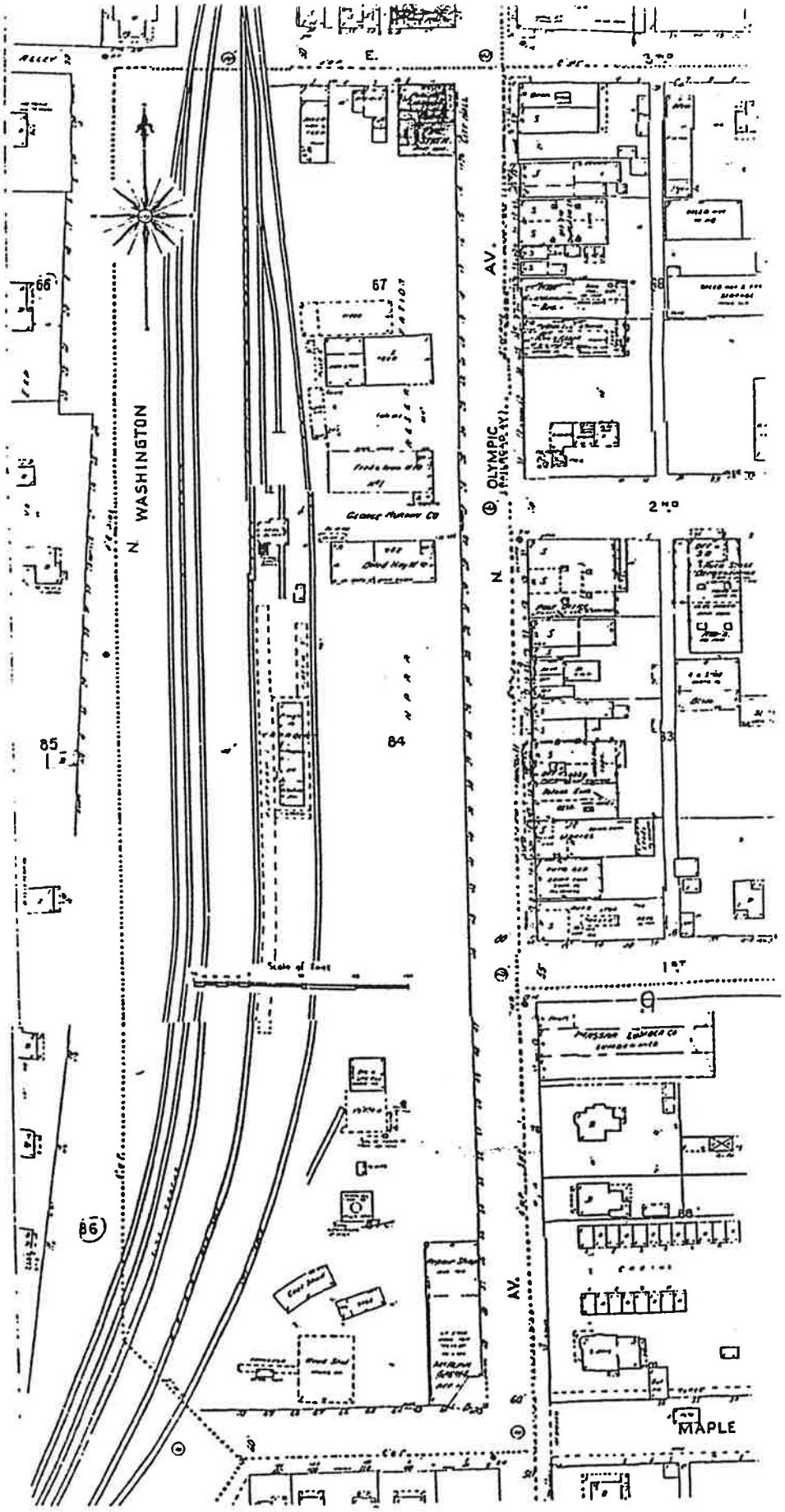
Note: This is a researcher's report of findings. An invoice will be sent separately and will include applicable taxes and express shipping charges



REDUCED COPY OF 1905 SANBORN MAP



REDUCED COPY OF 1909 SANBORN MAP



REDUCED COPY OF 1940 SANBORN MAP

BURLINGTON NORTHERN RAILROAD

Property Services Division
2100 First Interstate Center
999 Third Avenue, Seattle, Wa.
98104

November 23, 1993

Mr. Dave Welch
EMR Incorporated
2509 152nd Avenue NE
Suite B
Redmond, Washington 98052

Dear Mr. Welch:

Enclosed please find pertinent correspondence and maps of Arlington property. Sorry for taking so long.

If you have any questions please advise.

Very Truly Yours,

F. S. Wagner
Manager, Property Services

File: RE 4160, Trade of property with City of Arlington, Washington

BAILEY, DUSKIN & PEIFFLE
A PROFESSIONAL SERVICE CORPORATION
ATTORNEYS
INTERSECTION STATE HIGHWAYS 9 AND 530
POST OFFICE BOX 188
ARLINGTON, WASHINGTON 98223-0188

(206) 435-2168
(206) 652-8100
FAX (206) 435-6060

HOLLY L. KNIEF
STEVEN J PEIFFLE
DAVID E DUSKIN
RICHARD A BAILEY

October 7, 1992

Mr. Fred S. Wagner
Burlington Northern Railroad
2100 First Interstate Center
999 Third Avenue
Seattle, WA 98104

Re: City of Arlington;
Our File No. 27-49

Dear Mr. Wagner:

This will confirm our agreement to meet on Wednesday, October 14, at 10:00 a.m. at the Arlington City Hall. As I advised you, the purpose of the meeting is to discuss, primarily from an operational standpoint, the future of the downtown Arlington property. In that connection, I anticipate several topics likely to be discussed include the following:

1. The future of the downtown property and the logistics of the property swap;

2. The operational use and limitations, if any, of the triangular parcel on 188th;

3. The future realignment of SR 9 and SR 530 and its effect on the railroad, including the future of the right-of-way north of the downtown area;

4. The future of the wye adjacent to the Buse property.

Although I have indicated the issues are going to be primarily operational, you are welcome to have Robert Walkley attend. I am sending a copy of this correspondence to him for his information.

I look forward to meeting with you and city staff on October 14.

Very truly yours,

BAILEY, DUSKIN & PEIFFLE

Steven J. Peiffle

SJP/pb
cc: Robert E. Walkley
Mayor Kraski
City of Arlington
Thom Myers

Macaulay & Associates, LTD.
2722 Colby Avenue, Suite 610
Everett, WA 98201
(206) 258-2611-Everett
(206) 382-9711-Seattle
(206) 258-2612-Fax

Charles R. Macaulay, MAI
Robert J. Macaulay
Jim E. Dodge
Yvonne Alexander-Smith

Paul C. Bird, CPA
Richard J. DeFrancesco
Matthew R. Bolin

April 7, 1993

Mr. Fred S. Wagner
Manager, Logistic and Property Services
Burlington Northern Railroad
2100 First Interstate Center
999 Third Avenue
Seattle, WA 98104

RE: "Value in use" estimate based on contract rent for land located along Olympic Avenue within the City of Arlington, WA. owned by Burlington Northern Railroad.

Dear Mr. Wagner;

Per our recent phone conversation, this letter is intended to provide a "value in use" estimate for the above- referenced property based on current contract land rent.

The parcel is situated along the west side of Olympic Avenue, east of the Burlington Northern rail line and within the southern periphery of downtown Arlington, and is currently used as a city park, parking area and oil storage. Please refer to our report dated March 18, 1993 (our job reference No. 93-07) for a complete property description. Existing use of the site is different from the site's highest and best use, which is for subdivision and commercial development of smaller lots. This letter analyzes the "value in use" based on the current annual rent of $13,700.

Typically, land rent is based on a rate of return required by the land owner to compensate for relinquishing property rights for the term of lease. Rates of return, based on discussions with other large local land-holding companies such as Weyerhaeuser and Burlington Northern Railroad, range from 9% to 10% annually. Most recent land leases reviewed were toward the low end of the above range. By applying the rate of return to the land rent, a value indication is derived. In this instance, current rent is $13,700 annually, applying at 9% return rate reflects a land value of (R) $150,000 ($13,700 annual rent/.09). Therefore, using a 9% rate of return and based on current land use "value in use" of the subject property is $150,000 based on current annual land rent of $13,700.

ntioned, this letter is intended to provide a value estimate based on current contract rent, which is paid for the existing uses. It does not, however, consider whether the annual rental amount is sistent with rental paid for other properties with similar uses.

If you have any questions or need further information, please feel free to call.

Sincerely,
MACAULAY & ASSOCIATES, LTD

Robert J. Macaulay, Associate Appraiser
WA State License No. 270-11 MA-CA-UR-J408PS

RJM:cro

BURLINGTON NORTHERN RAILROAD

Logistics & Property Services
Department
2100 First Interstate Center
999 Third Avenue
Seattle, Washington 98104-4080
(206) 467-3491

January 18, 1993

MR. GLEN HAUG
MR. STU GORDON
MR. LEROY HALL

Attached are two maps identified as Exhibit "A", being property in downtown Arlington, Washington which B.N.R.R. would trade with the City of Arlington for that property identified as Exhibit "B", located at Edgecomb, Washington.

The downtown Arlington property equals approximately 4.49 acres and has oil tanks, old battery shop, war memorial, boat show-room and parking for the City of Arlington. Since we cannot expand downtown Arlington, by building team tracks etc. we are proposing to trade the property at 188th Street between B.N.R.R. tracks and 67th Ave. N.E. for the non-productive property in Arlington. The downtown Arlington property trade would be over 50-feet away from the mainline track. The Edgecomb property could bring BN two team tracks and possible use by Rabanco (see attached letter).

Please advise as soon as possible if you approve this trade. If you have any questions concerning this proposed trade please contact either myself or Stu Gordon.

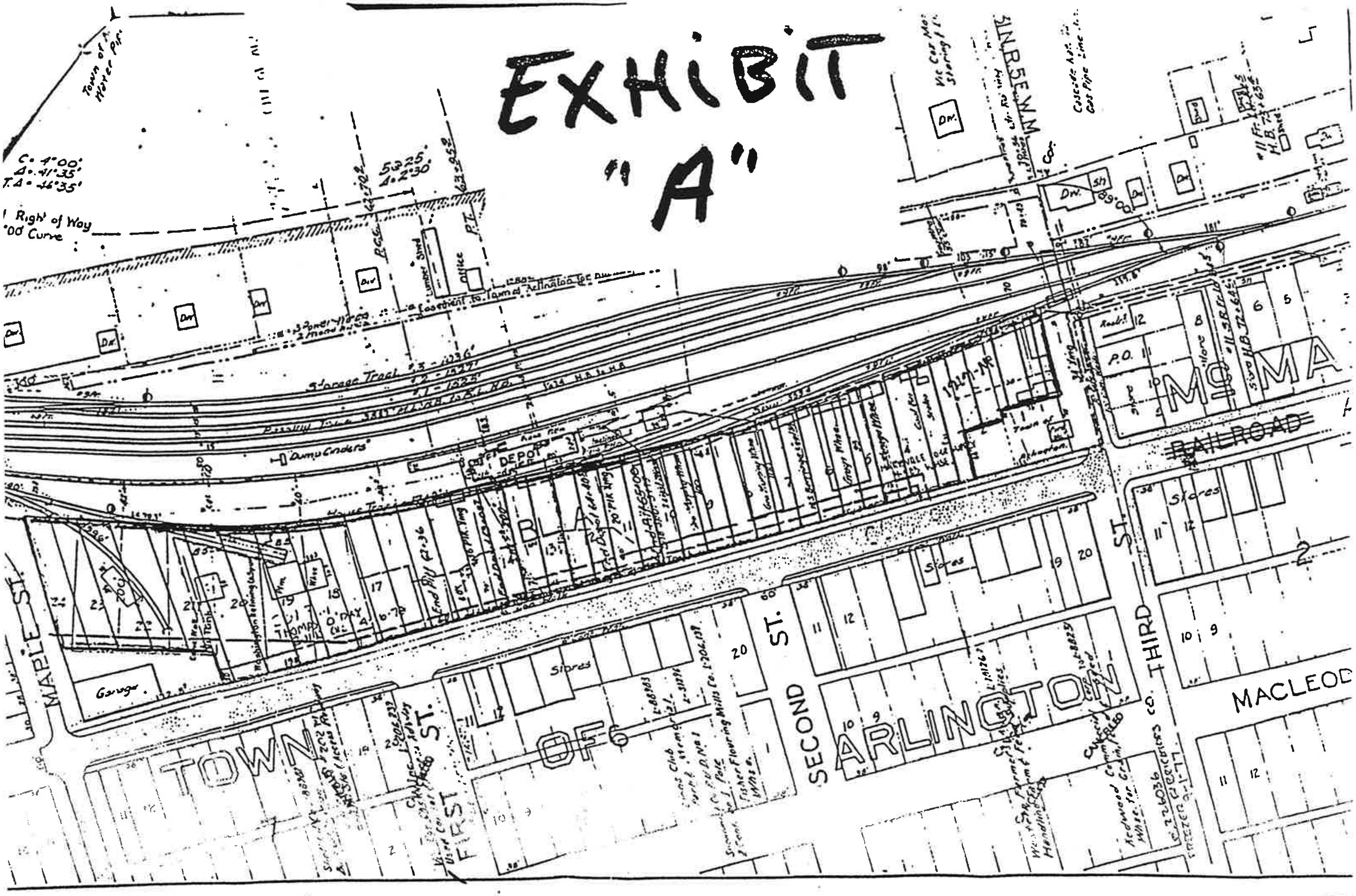
Fred S. Wagner

G E Haug 1-20-93 Glen Haug (no objections)

_____ Stu Gordon (no objections)

_____ Leroy Hall (no objections)

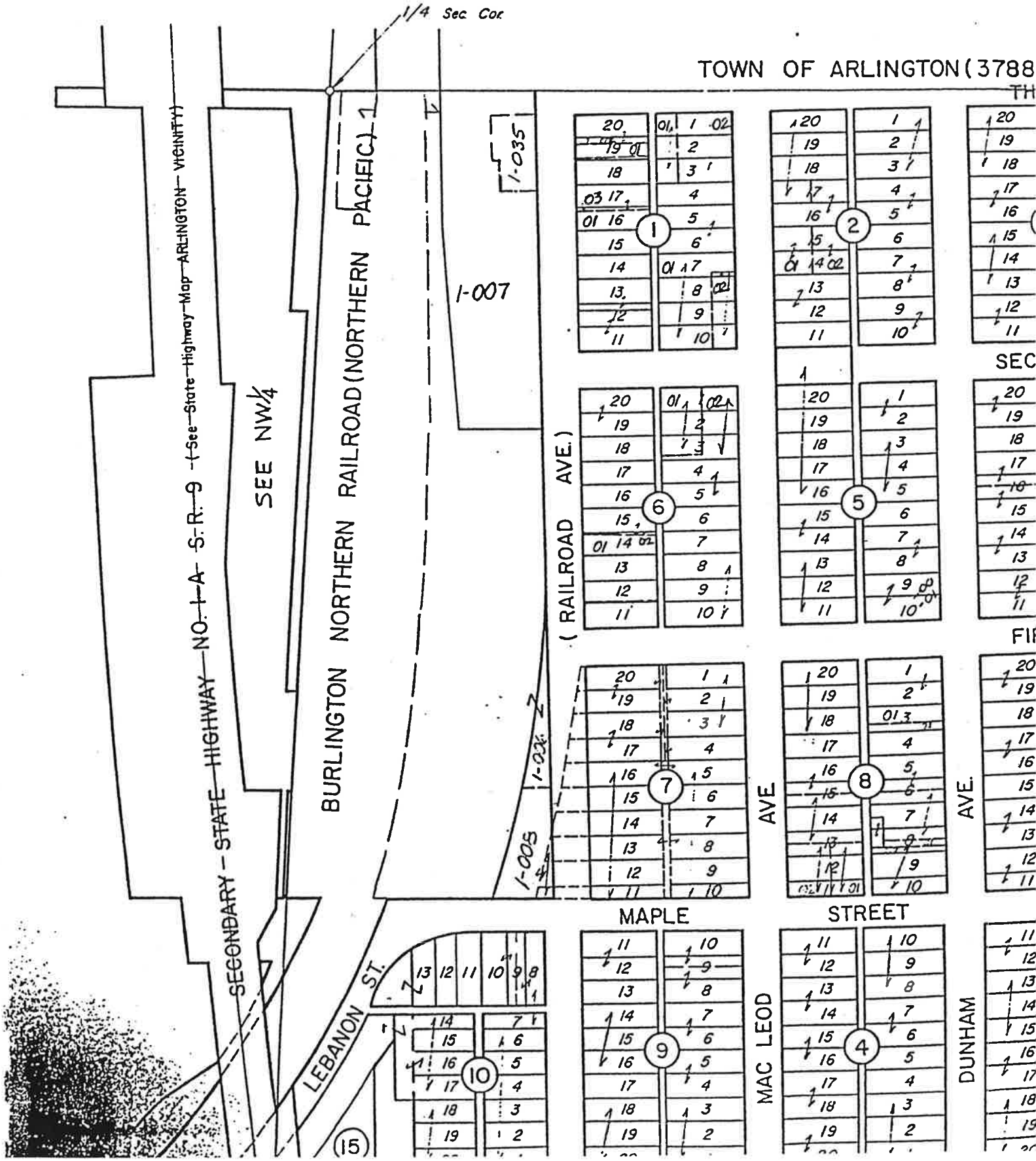
EXHIBIT "A"


TOWN OF ARLINGTON
MACLEOD
THIRD ST.
SECOND ST.
FIRST ST.
MAPLE ST.
RAILROAD
DEPOT
Storage Track
Dump Cinders
Lumber Shed
Office
Garage
Stores
P.O.
Right of Way
Town of Arlington

SNOHOMISH COUNTY

ASSESSOR'S PLOT MAP

N.E. 1/4, SEC. 11,



APPENDIX C: Occupant Questionnaires

Site Address: Boat Yard
Arlington, WA

Owner's Name: BNRR

Tenant's Name: Cordz Bayliner Boat Yard

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Date: 11/8/93

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ■	No ☐	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐ Battery shop adjacent to card lock facility.
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐ Prior to boat yard, property was a car lot.
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ☐	No ■	Unknown ☐ Cordz Battery Shop, 105 N. Olympic (across street) Batteries stored and picked up every two weeks.
6)	Are there currently or has there been any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?	Yes ☐	No ■	Unknown ☐
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ■
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ■	Unknown ☐
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ☐	No ■	Unknown ☐
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ☐	No ■	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■ Public water supply.	Unknown ☐

Site Address: N/A

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Owner's Name: BNRR

Date: 11/8/93

Tenant's Name: Cordz Bayliner Boat Yard

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ■	Unknown ☐
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ■	Unknown ☐
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ■	Unknown ☐

Site Address: Thomas Meyer, City Manager
City Hall, Arlington

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Owner's Name: BNRR

Date: 11/8/93

Tenant's Name: City Of Arlington

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ■	No ☐	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ☐	No ■	Unknown ☐
6)	Are there currently or has there been any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?	Yes ■ One between City Hall & Coop Supply	No ☐	Unknown ☐
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ☐
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ■	Unknown ☐
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ☐	No ■	Unknown ☐
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ☐	No ■	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■	Unknown ☐

Site Address: City Hall, Arlington

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Owner's Name: BNRR

Date: 11/8/93

Tenant's Name: City of Arlington

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ■	Unknown ☐
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ■	Unknown ☐
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ■	Unknown ☐

Site Address: 222 N. Olympic Avenue

Arlington, WA

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Owner's Name: BNRR

Date: 11/9/93

Tenant's Name: Coop Supply

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ■	No ☐	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ■	No ☐	Unknown ☐
		Five gallon containers of weed killer.		
6)	Are there currently or has there been any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?	Yes ■	No ☐	Unknown ☐
		Sacks of fertilizer and weed killer.		
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ☐
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ☐	Unknown ■
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ■	No ☐	Unknown ☐
		Above ground kerosene (1-240 gal. & -300 gal.)		
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ☐	No ■	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■	Unknown ☐
			Public water supply.	

Site Address: 222 N. Olympic Avenue

Arlington, WA

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Owner's Name: BNRR

Date: 11/9/93

Tenant's Name: Coop Supply

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ☐	Unknown ■
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■ Water runoff to ground storm sewer system.	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ■	Unknown ☐
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ☐	Unknown ■

Site Address: 104 S. Olympic Avenue

Arlington, WA

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Owner's Name: BNRR

Date: 11/9/93

Tenant's Name: Dennis Petroleum

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ■	No ☐	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ☐	No ■	Unknown ☐
6)	Are there currently or has there been any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?	Yes ☐	No ■	Unknown ☐
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ☐
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ■	Unknown ☐
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ■	No ☐	Unknown ☐
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ■	No ☐	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■ Public water supply.	Unknown ☐

Site Address: 104 S. Olympic Avenue

Arlington, WA

Owner's Name: BNRR

Tenant's Name: Dennis Petroleum

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Date: 11/9/93

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ■	Unknown ☐
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ☐	Unknown ■
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ■	Unknown ☐

Site Address: 102 E. Third Avenue

Arlington, WA

Owner's Name: BNRR

Tenant's Name: Wilderness Ware & Surplus

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Date: 11/8/93

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ☐	No ■	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ☐	No ■	Unknown ☐
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ☐	No ■	Unknown ☐
6)	Are there currently or has there been any industrial drums (typically	Yes ☐	No ■	Unknown ☐
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ☐
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ■	Unknown ☐
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ☐	No ☐	Unknown ■
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ☐	No ■	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■ Public water supply.	Unknown ☐

Site Address: 102 E. Third Street

Arlington, WA

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Owner's Name: BNRR

Date: 11/8/93

Tenant's Name: Wilderness Ware & Surpluss

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ■	Unknown ☐
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ■	Unknown ☐
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ■	Unknown ☐

Site Address: 140 South Olympic

Arlington, WA

Owner's Name: BNRR

Tenant's Name: BP Service Station

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT

Date: 12/13/93

To the best of your knowledge...

1)	Is the *property* or any *adjoining property* used for industrial use?	Yes ■	No ☐	Unknown ☐
2)	Has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes ■	No ☐	Unknown ☐
3)	Is *property* or any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐
4)	Has *property* or any *adjoining property* been used as gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junkyard or landfill, or a waste treatment, storage, disposal processing, or recycling facility?	Yes ■	No ☐	Unknown ☐
5)	Are there currently, or has there been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers greater than 5 gallons in volume or 50 gallons in aggregate stored on or used at the *property* or at the *facility*?	Yes ☐	No ■	Unknown ☐
6)	Are there currently or has there been any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?	Yes ☐	No ■	Unknown ☐
7)	Has fill dirt been brought onto the *property* that originated from a contaminated site or that is of unknown origin?	Yes ☐	No ■	Unknown ☐
8)	Are there currently, or has there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	Yes ☐	No ■	Unknown ☐
9)	Is there currently or has there been any stained soil on the property?	Yes ☐	No ■	Unknown ☐
10)	Are there currently, or has there been any registered or non-registered storage tanks (above or underground) located on the *property*?	Yes ■	No ☐	Unknown ☐
11)	Are there currently, or has there been any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the *property*?	Yes ■	No ☐	Unknown ☐
12)	Are there currently or has there been any flooring, drains or walls located within the *facility* that are stained by substances other than water or are emitting foul odors?	Yes ☐	No ■	Unknown ☐
13)	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes ☐	No ■ Public water supply.	Unknown ☐

Site Address: 140 South Olympic

Arlington, WA

Owner's Name: Johnston Enterprises

Tenant's Name: BP Service Station

OCCUPANT QUESTIONNAIRE FOR PHASE I AUDIT (cont.)

Date: 12/13/93

14)	Does the occupant have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or *facility* located on the property?	Yes ☐	No ■	Unknown ☐
15)	Has the occupant of the *property* been informed of the past or current existence of *hazardous substances* or *petroleum products* or *environmental violations* with respect to the property or any facility located on the property?	Yes ☐	No ■	Unknown ☐
16)	Does the occupant have any knowledge of any *environmental site assessment* of the property or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the property?	Yes ☐	No ■	Unknown ☐
17)	Does the occupant of the *property* know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Yes ☐	No ■	Unknown ☐
18)	Does the *property* discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	Yes ☐	No ■	Unknown ☐
19)	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the *property*?	Yes ☐	No ■	Unknown ☐
20)	Is there a transformer, capacitor or any hydraulic equipment on the *property* for which there are any records indicating the presence of PCBs?	Yes ☐	No ■	Unknown ☐
21)	Is there any known lead paint or asbestos containing materials (pipe wraps/insulation, boiler material, transite wallboard, floor tiles, etc..) present on the *property* or *facility*?	Yes ☐	No ■	Unknown ☐

APPENDIX D: Vista Environmental Report

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 5/030302-001 Date of Report: 11/11/93

Ref/Loan #: BN RR DOWNTOWN ARLINGTON
Client: DAVE WELCH, ENV MANAGEMENT RESOURCES INC
2509 152 AVE N.E. STE B, REDMOND, WA 98052
Subject
Property: OLYMPIC AVE ARLINGTON
ARLINGTON, WA 98223

SUMMARY OF FEDERAL RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 1 mi	TOTAL
NPL 06/93	US EPA Superfund Sites	0	0	0	0
CERCLIS 09/93	US EPA Potential Superfund Sites	0	1	--	1
RCRA-LgGen 07/93	US EPA RCRA Large Quantity Generators	1	--	--	1
RCRA-SmGen 07/93	US EPA RCRA Small and Very Small Quantity Generators	2	--	--	2
RCRA-TSD 07/93	US EPA RCRA Treatment,Storage,and/or Disposal Sites	0	0	0	0
RCRA-Transp 07/93	US EPA RCRA Transporters	0	--	--	0
	FEDERAL RECORDS Sub-total:	3	1	0	4

Note: 1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100

VISTA
NATIONAL RADIUS PROFILE

VISTA Report #: 5/030302-001 Date of Report: 11/11/93

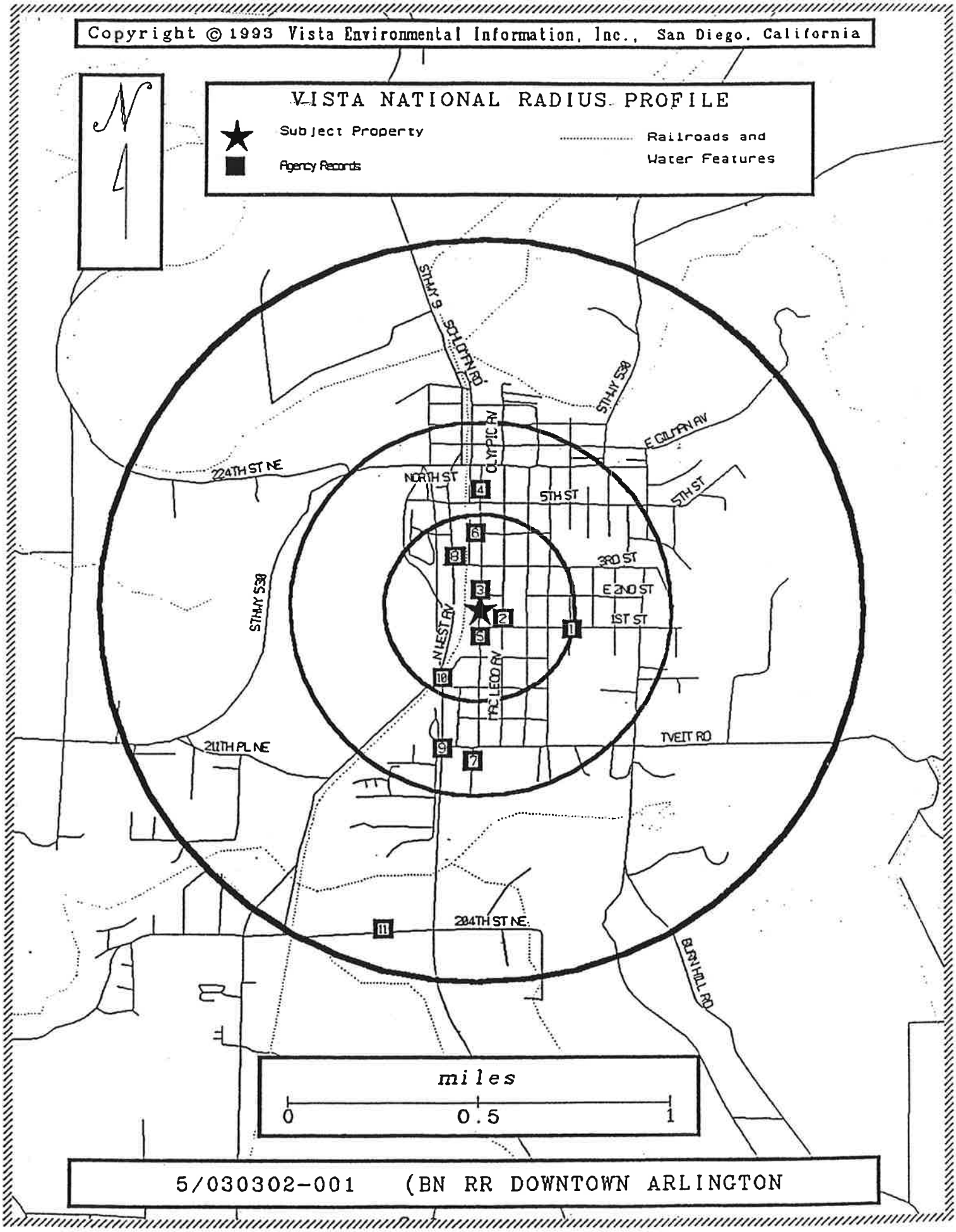
Ref/Loan #: BN RR DOWNTOWN ARLINGTON
Client: DAVE WELCH, ENV MANAGEMENT RESOURCES INC
2509 152 AVE N.E. STE B, REDMOND, WA 98052
Subject
Property: OLYMPIC AVE ARLINGTON
ARLINGTON, WA 98223

SUMMARY OF STATE RECORDS FOUND

Database & Date	Agency and Type of Records	0 to 1/4 mi	1/4 to 1/2 mi	1/2 to 1 mi	TOTAL
SPL 04/93	Department of Ecology, Toxics Cleanup Program Affected Media & Contaminants Report	0	0	1	1
LUST 05/92	Department of Ecology, Eastern Region Toxic Cleanup Program Eastern Region Leaking Underground Storage Tank Site List	0	0	--	0
LUST 05/92	Department of Ecology, Northwest Regional Office Northwest Region Leaking Underground Storage Tank Site List	1	3	--	4
LUST 05/92	Department of Ecology, Southwest Regional Office Southwest Region Leaking Underground Storage Tank Site List	0	0	--	0
LUST 07/92	Department of Ecology, Central Regional Office Central Region Leaking Underground Storage Tank Site List	0	0	--	0
LUST 07/93	Department of Ecology Leaking Underground Storage Tank List	1	2	--	3
SWLF 08/92	Department of Ecology Municipal Solid Waste Facilities	0	0	--	0
UST's 03/93	Department of Ecology Underground Storage Tank Database	9	--	--	9
	STATE RECORDS Sub-total:	11	5	1	17
	TOTAL:	14	6	1	21

Note: 1) A dash (--) indicates the list is not searched at that distance.
2) Sites often have a record in more than one database.

 For more information call: (619) 450-6100



5/030302-001 (BN RR DOWNTOWN ARLINGTON

VISTA NATIONAL RADIUS PROFILE

11/11/93

VISTA Report #: 5/030302-001

CERCLIS

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS			
		WITHIN 1/4 TO 1/2 MILE			
9		ARLINGTON FORD HWY 9 & HIGHLANDS DR		ARLINGTON 98223	Distance: .42 mi. Direction: SW Vista ID: 3271631
	WAD061677647	Status	: NOT PROP/CURR/DELE NPL		
		Site Ownership	: OTHER		
		Lead Agency	: NO DETERMINATION		
		Site Events	:		
		Event Type	: PRELIMINARY ASSESSMENT		
		Event Type	: DISCOVERY		
		Lead Agency	: FUND LEAD		

For more information call: (619) 450-6100

RCRA-LgGen

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
		WITHIN 1/4 MILE		
1		ARLINGTON SD 16	ARLINGTON	Distance: .25 mi.
		600 E 1ST ST	98223	Direction: SE
				Vista ID: 26449
	WAD980834915	Generator Class	:Generators who generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).	

RCRA-SmGen

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
		WITHIN 1/4 MILE		
6		BOBS BODY SHOP 101 E 4TH	ARLINGTON 98223	Distance: .17 mi. Direction: NW Vista ID: 52168
	WAD081925026	Generator Class :Generators who generate 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		
8		JOHN HENKEN CHEVROLET INC 315 WEST AVE	ARLINGTON 98223	Distance: .13 mi. Direction: NW Vista ID: 1850977
	WAD988513651	Generator Class :Generators who generate 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		

 For more information call: (619) 450-6100

SPL

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
		WITHIN 1/2 TO 1 MILE		
11		CHRISTIANSON CO. 7415 204TH ST. N.E. State Status : CONFIRMED SITE Waste # 0 : ORGANICS Waste # 1 : METALS Waste # 2 : PETROLEUM	ARLINGTON 98223	Distance: .93 mi. Direction: SW Vista ID: 3270185

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS			
		WITHIN 1/4 MILE			
8		PLAZA 76 319 N WEST AVE		ARLINGTON 98223	Distance: .13 mi. Direction: NW Vista ID: 3272097
		Leak Cause	: UNAVAILABLE		
		Tank Status	: CLOSED & REMOVED		
		Remediation	: CLEANUP IN PROGRESS/REQUIRED		
8		PLAZA 76 319 WEST AVE		ARLINGTON 98223	Distance: .13 mi. Direction: NW Vista ID: 3885886
	2105	Discovery Date	: 04/01/91		
		Media Affected	: SOIL		
		Leak Cause	: UNAVAILABLE		
		WITHIN 1/4 TO 1/2 MILE			
4		UNION 76 STATION (FORMER) OLYMPIC AVE 540 N		ARLINGTON 98223	Distance: .29 mi. Direction: N Vista ID: 1847608
	2149	Discovery Date	: 11/30/90		
		Media Affected	: SOIL		
		Leak Cause	: UNAVAILABLE		
		Remediation	: CASE CLOSED		
4		UNION 76 STA. (FORMER) 540N OLYMPIC AV		ARLINGTON 98223	Distance: .30 mi. Direction: N Vista ID: 1853598
		Leak Cause	: UNAVAILABLE		
		Tank Status	: EMPTY/IN PLACE		
		Remediation	: PRELIMINARY ASSESSMENT		
4		FRONTIER BANK 525 N OLYMPIC		ARLINGTON 98223	Distance: .28 mi. Direction: N Vista ID: 1856045
		Leak Cause	: UNAVAILABLE		
		Tank Status	: CLOSED & REMOVED		

VISTA NATIONAL RADIUS PROFILE

11/[illegible]/93

VISTA Report #: 5/030302-001

LUST

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS			
		WITHIN 1/4 TO 1/2 MILE			
4		FRONTIER BANK 525 N OLYMPIC		ARLINGTON 98223	Distance: .29 mi Direction: N Vista ID: 1856043
		Remediation	: PRELIMINARY ASSESSMENT		
7		ARLINGTON MAINTENANCE FACILITY SITE 521 SOUTH OLYMPIC STREET		ARLINGTON 98223	Distance: .44 mi Direction: S Vista ID: 1850185
		Leak Cause Remediation	: UNAVAILABLE : IN PROGRESS		
7		WOOT ARLINGTON MAINTENANCE 521 SOUTH OLYMPIC STREET		ARLINGTON 98223	Distance: .44 mi Direction: S Vista ID: 1850187
	2031	Discovery Date Media Affected Leak Cause Remediation	: 11/29/90 : SOIL : UNAVAILABLE : CASE CLOSED		

UST's

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
		WITHIN 1/4 MILE		
2		BRADLEY MFG & SUPPLIES INC 122 N MCLEOD / PO BOX 428	ARLINGTON 98223	Distance: .08 mi. Direction: SE Vista ID: 1845980
	006520	Number of Underground Tanks: 1 Contents:HAZARDOUS,		
3		ARLINGTON HARDWARE & LUMBER INC 215 N OLYMPIC AVE	ARLINGTON 98223	Distance: .02 mi. Direction: N Vista ID: 1847189
	012014	Number of Underground Tanks: 2 Contents:HEATING OIL,UNLEADED GAS,		
5		VIKING MART INC 140 SOUTH OLYMPIC	ARLINGTON 98223	Distance: .12 mi. Direction: S Vista ID: 1847607
	008346	Number of Underground Tanks: 9 Contents:UNLEADED GAS,DIESEL,		
5		DENNIS PETROLEUM 104 SOUTH OLYMPIC AVE	ARLINGTON 98223	Distance: .09 mi. Direction: S Vista ID: 1850184
	005631	Number of Underground Tanks: 3 Contents:DIESEL,UNLEADED GAS,		
6		DEAN T OLSEN ARLINGTON SHELL SERVIC 404 NO OLYMPIC AVE	ARLINGTON 98223	Distance: .17 mi. Direction: N Vista ID: 1847190
	009643	Number of Underground Tanks: 6 Contents:LEADED GAS,WASTE OIL,UNLEADED GAS,		
8		JOHN HENKEN CHEVROLET INC 315 WEST AVE PO BOX 158	ARLINGTON 98223	Distance: .13 mi. Direction: NW Vista ID: 1850977
	005298	Number of Underground Tanks: 2 Contents:WASTE OIL,UNLEADED GAS,		

 For more information call: (619) 450-6100

UST's

MAP REF #	EPA ID / AGENCY ID	SITE NAME AND ADDRESS		
		WITHIN 1/4 MILE		
8		DAVIS PLAZA INC 319 WEST AVE	ARLINGTON 98223	Distance: .13 mi. Direction: NW Vista ID: 3885886
	003134	Number of Underground Tanks: 5 Contents:UNLEADED GAS,GASOLINE (UNSPECIFIED),		
10		TWIN CITY FOODS INC 201 S WEST AVENUE	ARLINGTON 98223	Distance: .24 mi. Direction: SW Vista ID: 1850468
	007293	Number of Underground Tanks: 1 Contents:HEATING OIL,		
10		NELSON DISTRIBUTING 208 SOUTH WEST STREET/PO BOX 187	ARLINGTON 98223	Distance: .25 mi. Direction: SW Vista ID: 1851562
	010932	Number of Underground Tanks: 8 Contents:WASTE OIL,OTHER,KEROSENE,		

VISTA NATIONAL RADIUS PROFILE

VISTA Report #: 5/030302-001

Date of Report: 11/11/93

UNMAPPABLE SITES

Unmappable sites are environmental risk sites that cannot be geocoded, but can be located by zip code or city name.

In general, a site cannot be geocoded because of inaccurate or missing locational information in the record provided by the agency. For many of these records, VISTA has corrected or added locational information by using U.S. Postal address validation files and proprietary programming that adds locational information from private industry address files. However, many site addresses cannot be corrected using these techniques and those sites cannot be mapped.

Of the sites that cannot be mapped, VISTA identifies those that have complete zip code or city name information. All ungeocoded sites that have a ZIP code in the radius are considered for inclusion. Ungeocoded sites that do not have a ZIP code but do have a street name are considered for inclusion if they have a city in the radius. An ungeocoded record may be excluded if it can be determined to be outside the relevant radius searched for a particular database.

For more information call: (619) 450-6100

VISTA NATIONAL RADIUS PROFILE

11/11/93

VISTA Report #: 5/030302-001

UNMAPPABLE SITES

LUST

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
NAVAL RADIO STATION JIM CREEK: , ARLINGTON 98223	2882610	
Discovery Date : 11/15/91 Media Affected : SOIL Leak Cause : UNAVAILABLE Remediation : IN PROGRESS		2693

SWLF

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
J.H. BAXTER LANDFILL: ,	3268797	
Facility Type : RUBBLE FILL (DEMO,ETC)		
CATHCART LANDFILL: ,	3268904	
Facility Type : SANITARY LANDFILL		
MONROE LANDFILL: ,	3269137	
Facility Type : SANITARY LANDFILL		
SMITH LANDFILL: ,	3269306	
Facility Type : RUBBLE FILL (DEMO,ETC)		
SUMMIT TIMBER: ,	3269342	
Facility Type : RUBBLE FILL (DEMO,ETC)		

 For more information call: (619) 450-6100

VISTA NATIONAL RADIUS PROFILE

11/11/93

VISTA Report #: 5/030302-001

UNMAPPABLE SITES

UST's

SITE NAME AND ADDRESS	VISTA ID	EPA ID / AGENCY ID
NAVAL RADIO STATION (T) JIM CREEK: 21027 JIM CREEK RD, ARLINGTON 98223	2882610	
Number of Underground Tanks: 18 Contents:UNLEADED GAS,DIESEL,HEATING OIL,GASOLINE (UNSPECIFIED),		009231

VISTA ENVIRONMENTAL INFORMATION

FEDERAL REPORT

Client Project/P.O. No.:	BNRR DOWNTOW	VISTA Report No.:	030302001
Client Reference Name:		Date of Report:	Nov. 10, 1993

Subject Property:	BNRR DOWNTOWN ARLINGTON
Street Address:	OLYMPIC AVE
City:	ARLINGTON
State:	WA
Zip:	98223
County:	SNOHOMISH

SITES IN THE AREA

Agency/Database	Date of Data	# of Sites In Zip Code	# of Sites In Area
US,EPA,ERNS	10/92	6	0

FOR MORE INFORMATION CALL (619)450-6100

5060 Shoreham Place, Suite 300, San Diego, CA 92122

VISTA ENVIRONMENTAL INFORMATION

ERNS Sites

Client Project/P.O. No.:	BNRR DOWNTOW	VISTA Report No.:	030302001
Client Reference Name:		Date of Report:	Nov. 10, 1993

Site Description

Subject Property:	BNRR DOWNTOWN ARLINGTON
Address:	OLYMPIC AVE
City:	ARLINGTON
State:	WA
Zip:	98223
County:	SNOHOMISH

The ERNS database has many sites with incomplete zip code information. For this reason, the search includes not only sites within the zip code(s) but any sites within the city which contain the street name of the subject property or any other client specified street name.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period of 1987-1991 revealed the following information regarding reported spills of oil or hazardous substances in the stated zip code area(s).

A search of the 10/92 ERNS database revealed the following sites within the zip code area of the subject property.

SITES IN THE AREA

ERNS Spill Details

Spill Date	:	03/16/1991	Vista ID#:	200041955
Spill Time	:	12:00 AM	Case Number:	90583
Spill Location	:	10620 123RD AVE NE		
Spill City	:	ARLINGTON		
Spill State	:	WA		
Spill Zip	:			
VISTA Enhanced Zip	:	98223		
Spill County	:	SNOHOMISH		
Source/Agency	:			

Spill Location	:	BUTTE TANK IN PROCESS AREA
Spill City	:	ARLINGTON
Spill State	:	WA
Spill Zip	:	
VISTA Enhanced Zip	:	98223
Spill County	:	UNK
Source/Agency	:	
Discharger Name	:	
Discharger Org	:	
Discharger Addr	:	
Discharger Phone	:	0
Discharger County	:	
Discharger City	:	
Discharger St/Zip	:	,
Material Spilled	:	PENTACHLOROPHENOL , 00000000.00 , UNK UNKNOWN OIL , 00003000.00 , GAL
Medium Affected	:	Land
Water Way Affected	:	CONCRETE ¿ SOIL

ERNS Spill Details

Spill Date	:	/1/9//1987	Vista ID#:	200148473
Spill Time	:	01:05 PM	Case Number:	
Spill Location	:	EASTSIDE ULTRA LIGHT		
Spill City	:	ARLINGTON		
Spill State	:	WA		
Spill Zip	:			
VISTA Enhanced Zip	:	98223		
Spill County	:	SNOHOMISH		
Source/Agency	:			
Discharger Name	:			
Discharger Org	:	EASTSIDE ULTRA LIGHT		
Discharger Addr	:	4700 188TH ST NE		
Discharger Phone	:			
Discharger County	:	SNOHOMISH		
Discharger City	:	ARLINGTON		
Discharger St/Zip	:	WA,		
Material Spilled	:	JET FUEL : JP5 , 0.00, UNK		
Medium Affected	:	Land		

AT MAIN HANGER AT ARLINGTON AI Continued

Discharger Org	:	TIMBERLINE FOREST PRODUCTS
Discharger Addr	:	ON 59TH NE
Discharger Phone	:	
Discharger County	:	
Discharger City	:	
Discharger St/Zip	:	,
Material Spilled	:	GLUE AND LAMINANTS , 00000000.00 , UNK
Medium Affected	:	Land
Water Way Affected	:	SANDY SOIL

6 site(s) found in the zip code area(s)

GLOSSARY

Description of Report:

This report is a compilation of federal environmental data which identifies environmental problem sites and activities from the records of the United States Environmental Protection Agency(US EPA). The data contained in this report are the result of a search of VISTA's proprietary database.

The VISTA database search is designed to identify all sites known to be located within the specified zip code(s). Because not all government records have complete and accurate addresses, VISTA uses Post Office verification software to assign or to correct zip codes where necessary. For those records which cannot be assigned a zip code, VISTA uses the specifed city name(s) to identify any sites which may be located in the zip code area. If no city name is reported, the county name is used.

Limitations Of Information

All information contained in this report was obtained from US EPA records. VISTA does not warrant the accuracy,timeliness,merchantability, completeness or usefulness of any information furnished, and the subscriber accepts any and all risks resulting from decisions made solely or in part on VISTA information.

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