

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

15 W Yakima Ave, Ste 200 · Yakima, WA 98902-3452 · (509) 575-2490

April 5, 2011

Mr. Jeremy M. Lynn Fulcrum Environmental Consulting, Inc. 406 North 2nd Street Yakima, WA 98901 Mr. Scott Clark United Builders of Washington 2112 West Nob Hill Boulevard Yakima, WA 98902

Re: No Further Action at a Property associated with a Site:

• Property Address: 408 South 41st Street, Yakima

Facility/Site No.: 4294905VCP Project No.: CE0270

Dear Mr. Lynn and Mr. Clark:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your independent cleanup of Properties associated with the Villas at Terrace Heights facility (Site). This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issues Presented and Opinion

1. Is further remedial action necessary at the Properties to clean up contamination associated with the Site?

NO. Ecology has determined that no further remedial action is necessary at the Properties to clean up contamination associated with the Site.

This opinion is based on an analysis of whether the remedial action meets the substantive requirements of MTCA, Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC (collectively "substantive requirements of MTCA"). The analysis is provided below.

Description of the Properties and the Site

This opinion applies only to the Properties and the Site described below. This opinion does not apply to any other sites that may affect these Properties. Any such sites, if known, are identified separately below.



1. Description of the Properties.

Each Property has a separate tax parcel number. The tax parcels defining each Property are listed below:

- 191321 14416
- 191321 14419
- 191321 14427
- 191321 14433
- 191321 14473

Enclosure A includes a legal description of the Properties. The location of the Properties within the Site is illustrated in Enclosure B.

2. Description of the Site.

The Site is defined by the nature and extent of contamination associated with the following releases:

- Arsenic in soil
- Lead in soil
- Dieldrin in soil

Those releases have affected more than one parcel of real property, including the parcels identified above.

Enclosure B includes a detailed description and diagram of the Site, as currently known to Ecology.

3. Identification of Other Sites that may affect the Properties.

Please note that a parcel of real property can be affected by multiple sites. At this time, we have no information that these Properties are affected by other sites.

Basis for the Opinion

This opinion is based on the information contained in the following documents:

- 1. No Further Action Status Request, July 2, 2010, Fulcrum Environmental Consulting, Inc.
- 2. Interim Action Plan, July 27, 2007, United Builders of Washington, Inc.

3. Phase One Environmental Site Assessment, October 5, 2005, Wolfe Environmental Consulting, Inc.

Those documents are kept in the Central Files of the Central Regional Office of Ecology (CRO) for review by appointment only. You can make an appointment by calling the CRO resource contact, Roger Johnson, at (509) 454-7658.

This opinion is void if any of the information contained in those documents is materially false or misleading.

Analysis of the Cleanup

1. Cleanup of the Properties located within the Site.

Ecology has concluded that **no further remedial action** is necessary at these Properties to clean up contamination associated with the Site. That conclusion is based on the following analysis:

a. Characterization of the Site.

Ecology has determined your characterization of the Site is sufficient to establish cleanup standards for the Site and select a cleanup for these Properties. The Site is described above and in **Enclosure B**.

b. Establishment of cleanup standards for the Site.

Ecology has determined the cleanup levels and points of compliance you established for the Site meet the substantive requirements of MTCA.

i. Cleanup levels.

MTCA Method A cleanup levels have been selected as the appropriate cleanup standards for the Site.

ii. Points of compliance.

The point of compliance for soil is defined as soils throughout the Site.

c. Selection of cleanup for the Properties.

Ecology has determined the cleanup you selected for these Properties meets the

substantive requirements of MTCA. The cleanup meets the minimum cleanup requirements and does not exacerbate conditions or preclude reasonable cleanup alternatives elsewhere at the Site.

Soil capping was selected as the final cleanup action at the Site. Contaminated soils were excavated where possible and placed under foundations and asphalt surfaces. Clean soils were imported and placed over the portions of each lot that were not covered by impermeable surfaces.

d. Cleanup of the Properties.

Ecology has determined the cleanup you performed meets the applicable Site cleanup standards within each Property. This determination is dependent on the continued performance and effectiveness of the post-cleanup controls and monitoring specified below.

2. Cleanup of the Site as a whole.

Ecology has concluded that **further remedial action** under MTCA is still necessary elsewhere at the Site. In other words, while your cleanup constitutes the final action for these Properties, it constitutes only an **"interim action"** for the Site as a whole.

Post-Cleanup Controls and Monitoring

Post-cleanup controls and monitoring are remedial actions performed after the cleanup to maintain compliance with cleanup standards. This opinion is dependent on the continued performance and effectiveness of the following:

1. Compliance with institutional controls.

Institutional controls prohibit or limit activities that may interfere with the integrity of engineered controls or result in exposure to hazardous substances. The following institutional control is necessary at the Property:

Environmental Covenant

An Environmental Covenant has been recorded for the entire Site. The Environmental Covenant was incorporated into the Covenants, Conditions and Restrictions (commonly referred to as CC&Rs) for the Villas at Terrace Heights development and recorded with Yakima County.

Ecology approved the recorded Covenant.

Periodic Review of Post-Cleanup Conditions

Ecology will conduct periodic reviews of post-cleanup conditions at the Properties to ensure that they remain protective of human health and the environment. If we conduct a periodic review and determine further remedial action is necessary at the Property, then we will withdraw this opinion.

Listing of the Site

Based on this opinion, Ecology will update the status of remedial action at the Site on our database of hazardous waste sites. However, because further remedial action is still necessary elsewhere at the Site, we will not remove the Site from our lists of hazardous waste sites. Furthermore, the Properties will remain listed as part of the Site because the cleanup of the Properties does not change the boundaries of the Site.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion **does not**:

- Change the boundaries of the Site.
- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70.105D.040(4).

2. Opinion does not constitute a determination of substantial equivalence.

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology-supervised action. This opinion does not determine whether the action you performed is substantially equivalent. Courts make that determination. *See* RCW 70.105D.080 and WAC 173-340-545.

3. State is immune from liability.

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. See RCW 70.105D.030(1)(i).

Contact Information

Thank you for cleaning up your Properties under the Voluntary Cleanup Program (VCP). We look forward to working with you to clean up the remainder of the Site.

For more information about the VCP and the cleanup process, please visit our web site: www. ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion, please contact me at (509) 454-7842.

Sincerely,

Jeff Newschwander

Site Manager

CRO Toxics Cleanup Program

Enclosures:

A – Legal Description of the Property

B – Description and Diagram of the Site

MEMORANDUM

DATE: December 9, 2010

1 of 1 PAGE:

TO: CO: Jeff Newschwander

Washington State

Department of Ecology

Central Regional Office

FROM: Jeremy M. Lynn

Fulcrum Environmental Consulting, Inc. 406 North 2nd Street

Yakima, Washington 98901

p: 509.574.0839 f: 509.575.8453

Parcel Description Information - The Villas at Terrace Heights RE:

Please find the attached table presenting residential lot descriptions, as well as, the associated Short Plat map as recorded at the Yakima County Assessor's Office for The Villas at Terrace Heights development. Feel free to call me at 509.574.0839 with any questions.



The Villas at Terrace Heights Residential Development: Parcel Legal Descriptions

Lot	Yakima County Assessor's Office Tax Parcel Identification	Legal Description
Lot 1	191321-14411	Lot 1, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 2	191321-14412	Lot 2, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 3	191321-14413	Lot 3, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 4	191321-14414	Lot 4, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 5	191321-14415	Lot 5, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 6	191321-14416	Lot 6, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 7	191321-14417	Lot 7, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 8	191321-14418	Lot 8, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 9	191321-14419	Lot 9, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 10	191321-14420	Lot 10, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 11	191321-14421	Lot 11, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 12	191321-14422	Lot 12, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 13	191321-14423	Lot 13, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 14	191321-14424	Lot 14, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 15	191321-14425	Lot 15, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 16	191321-14426	Lot 16, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 17	191321-14427	Lot 17, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.



Lot	Yakima County Assessor's Office Tax Parcel	Legal Description
Lot 18	191321-14428	Lot 18, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File
Lot 19	191321-14429	Lot 19, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County. Washineton.
Lot 20	191321-14430	Lot 20, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 21	191321-14431	Lot 21, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 22	191321-14432	Lot 22, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 23	191321-14433	Lot 23, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 24	191321-14434	Lot 24, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 25	191321-14435	Lot 25, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 26	191321-14436	Lot 26, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 27	191321-14437	Lot 27, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 28	191321-14438	Lot 28, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 29	191321-14439	Lot 29, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 30	191321-14440	Lot 30, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 31	191321-14441	Lot 31, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 32	191321-14442	Lot 32, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 95	191321-14445	Lot 95, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 96	191321-14446	Lot 96, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 97	191321-14447	Lot 97, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.



50 t	Yakima County Assessor's Office Tax Parcel Identification	Legal Description
Lot 98	191321-14448	Lot 98, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 99	191321-14449	Lot 99, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 100	191321-14450	Lot 100, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 101	191321-14451	Lot 101, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 102	191321-14452	Lot 102, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 103	191321-14453	Lot 103, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 104	191321-14454	Lot 104, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 105	191321-14455	Lot 105, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 106	191321-14456	Lot 106, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 127	191321-14457	Lot 127, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 128	191321-14458	Lot 128, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 129	191321-14459	Lot 129, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 130	191321-14460	Lot 130, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 131	191321-14461	Lot 131, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 132	191321-14462	Lot 132, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 133	191321-14463	Lot 133, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 134	191321-14464	Lot 134, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 135	191321-14465	Lot 135, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.



Lot	Yakima County Assessor's Office Tax Parcel Identification	Legal Description
Lot 136	191321-14466	Lot 136, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 137	191321-14467	Lot 137, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 138	191321-14468	Lot 138, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 139	191321-14469	Lot 139, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 140	191321-14470	Lot 140, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 141	191321-14471	Lot 141, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 142	191321-14472	Lot 142, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 143	191321-14473	Lot 143, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 144	191321-14474	Lot 144, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 145	191321-14475	Lot 145, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 146	191321-14476	Lot 146, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 147	191321-14477	Lot 147, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 148	191321-14478	Lot 148, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Lot 149	191321-14479	Lot 149, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Tract A	191321-14405	Tract A, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Tract B	191321-14406	Tract B, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.
Roadways	191321-14407	Private Road, Villas at Terrace Heights, Phases One & Two, as recorded May 20, 2008 under Auditor's File No. 7612438, records of Yakima County, Washington.

THE VILLAS AT TERRACE HEIGHTS, PHASES ONE & TWO

LOCATED IN THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER
SECTION 21, TOWNSTEP 13 NORTH, RANGE 19 EAST, W.M.
YAGINA COCHTY, WASHINGTON

DESCRIPTIONS

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ACKNOWLED CAMEDITS

STATE OF WASHINGTON

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STATE OF MASHWOOD

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PROCESS OF THE STATE OF WINDWICKS, RESONO AT CAMPACTURE CONTRACTOR PROCESS 7-9-2009 OF POSTURE POSSONALY APPLACED RICHARD IS, SONTOCNATA, ROUTH OR POSTURE STATEMENT OF THE PROSTURE OF THE POSTURE OF THE POS

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THIS PLAT CONTANS COMPLETE MINICATION DISTRIBUTION FACULIES IN ACCORDANCE WITH THIS DISTRICT'S STANDARDS OR

PROMISORS ACCEPTABLE TO THIS DISTRICT MANE BEEN MADE BY CONDIANT AND ADMEDIABLY FOR COMPLETED IRRICATION ACCEPTABLE TO ALL LOTS, SAID ADMEDIABLY IS FILED SUPPLEMENTARY TO THIS PLAT, OR,

THE EUSTING INDICATION DISTABILITION FACULTY IS ADEQUATE TO MEET THIS REQUIREDIENT OR

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NOTION OF THE CONTROL OF T

STATE OF WASHINGTON

HONERY CONTRY THAT ALL CHARGEABLE REDULAR AND SPECIAL ASSESSMENTS COLLECTIVEL BY THIS OFFICE THAT ARE DUE AND

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TAN

OWING ON THE PROPERTY DESCRIBED HEREON, ARE PAID THROUGH

oche matt

IREASURER'S CERTIFICATE

SELAH-MOXEE INTRCATION DISTRICT

F WASHINGTON, PERSONS AT JAKEBALAN COMMISSION EDWISS 3 120/11

ON THE LIST DAY OF MALLY

YAKIMA COUNTY TREASUMER'S OFFICE.

APPROVALS

--- DAY OF

DATED THIS

I HORGEY COTHEY THAT ALL CHARGEABLE RECALAR AND SPECIAL ASSESSMOTTS COLLECTIBLE BY THIS OFFICE, THAT ARE DUE AND OWING ON THE PROPERTY: DESCRIBED PAID.

.. 20 YAKIMA COUNTY SUBDIVISION ADMINISTRATOR __ 20 ___ BOARD OF YAKBIKA COUNTY COMMISSIONERS.

DAY 04. DAY OF

APPROVED THIS. SHIL CONCRIGH

APPROVED THIS.

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ALL LOTS OF THIS SUBGIVISION HAVE BEEN PROVIDED WITH PUBLIC SEWER AND PUBLIC WATER COMMECTIONS.

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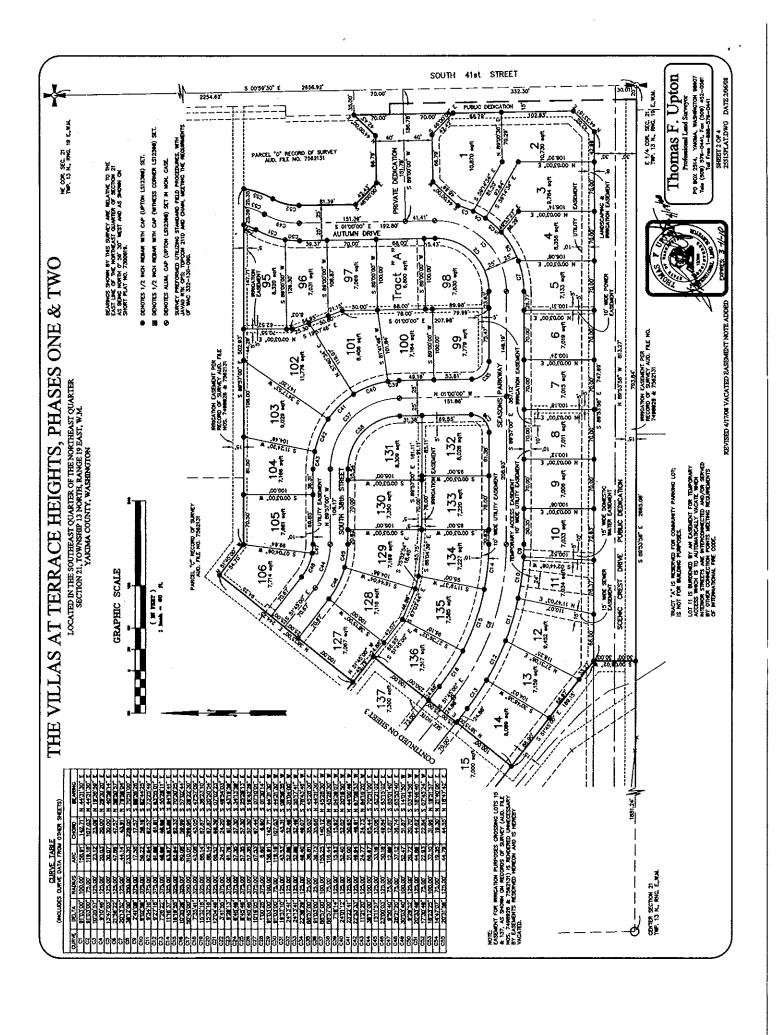
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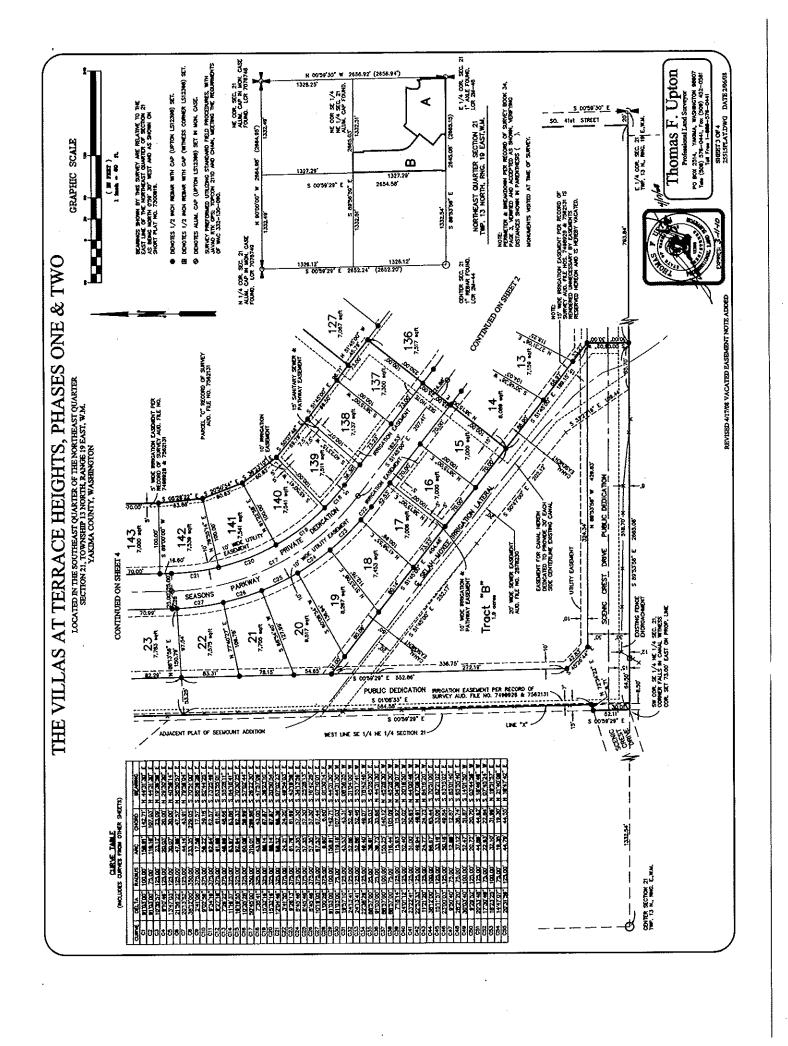
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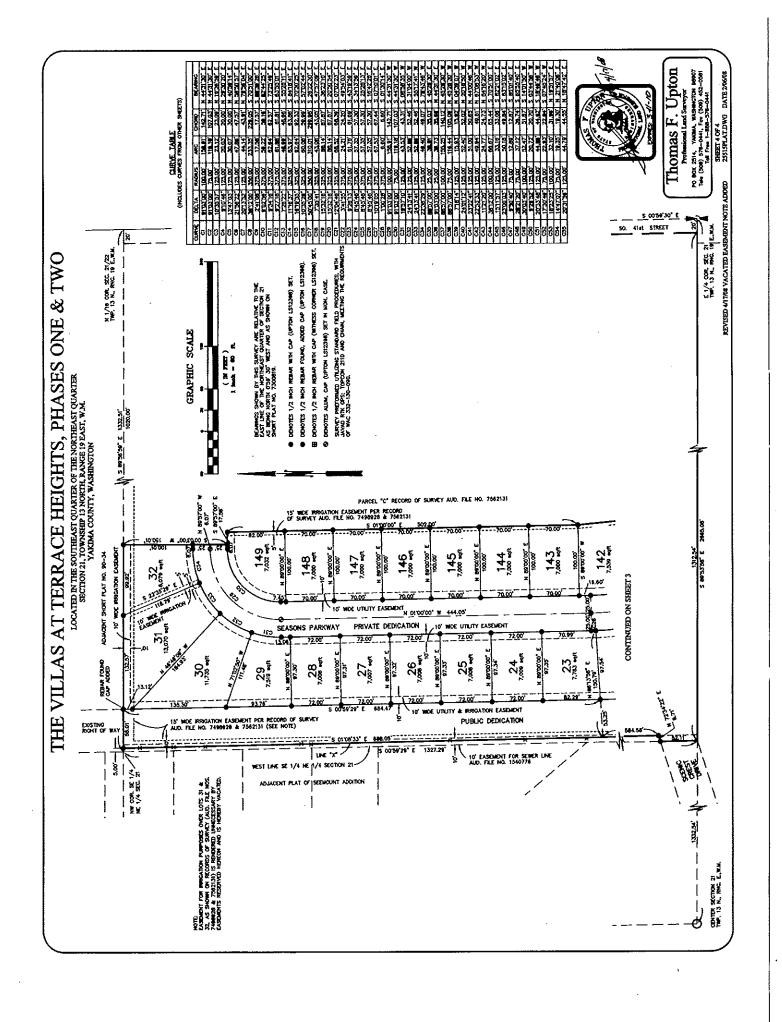
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Thomas F. Upton PO BOX 2314, YAMBAA, WASHROTDH SEROT Tele (508) 578-0441, Fox (509) 452-0381 Telf Free 1-886-576-0441 Professional Land Surveyor

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granted such permission, and in the event of a sale of any such lot upon which permission has been previously granted, the subsequent owner must receive permission and consent to carry on such "in home business" and the initial permission granted herein shall be revoked.

- 44. <u>Maintenance of Structures and Landscaping</u>. Owners are responsible for the maintenance of the home and home site to include: structures, utility lines, landscaping, and other items attached to or placed on the home or home site (referred to as "improvements"), including driveways, walkways, and patios. All must be kept in good condition and repair, be neat, clean, aesthetically pleasing, and well kept. Owners are responsible for the maintenance, repair and replacement of all improvements including but not limited to driveways, walkways, and patios. Owners are responsible for any damage or injury caused by resident's failure to maintain an improvement. If Owners are absent, it is still their responsibility to have someone maintain the home and home site. If Owners do not maintain their property, the Association reserves the right to engage the services of a contractor to maintain the property at said Owners' expense.
- 45. <u>Landscape Adjacent to Sidewalks</u>. Each Owner shall be responsible for the irrigation of the strip of grass between the walkway(s) and roadway(s) adjacent to each Owner's Lot(s).
- 46. <u>Front Yard Post Lights</u>. Each Owner is required to maintain and keep in good working order each Owner's front yard post lights, including, but not limited to, installing and maintaining functional light bulbs in said post lights.

XX. ELEVATED LEVELS OF HEAVY METALS

1. Education & Disclosure

According to the Washington State Department of Ecology, area-wide elevated levels of heavy metals are dispersed over large geographic areas of Washington State, ranging in size from several hundred acres to many square miles. These areas generally have concentrations of heavy metals, such as arsenic and lead, higher than both their naturally occurring concentrations and state soil cleanup levels established under the Washington State Model Toxics Control Act (MTCA). Area-wide elevated levels are not typical of most cleanup sites, which are generally smaller and have higher levels. Area-wide elevated levels of heavy metals occurred because of a number of historical activities, including the use of lead-arsenate pesticides in farming communities in the early to mid-1900s, the use of which effectively ceased in 1947. The Subject Property has tested positive for "low-to-moderate" elevated levels of heavy metals.

(a) What are "Low-to-Moderate" Elevated Levels? According to the Area-Wide Soil Contamination Task Force ("Task Force"), a 17 person panel chartered by the Washington State Departments of Agriculture, Ecology, Health, and Community Trade & Economic Development to offer advice on a statewide strategy to respond to low-to-moderate elevated levels of arsenic and lead, arsenic concentrations of up to 100 mg/kg and lead concentrations of up to 500 – 700 mg/kg are "low-to-moderate" levels for schools,

childcare centers, and residential land uses. For properties where exposure of children is less likely or less frequent, such as commercial properties, parks, and camps, arsenic concentrations of up to 200 mg/kg and lead concentrations of up to 700 - 1,000 mg/kg are within the low-to-moderate range. For comparison, the unrestricted site use cleanup levels for arsenic and lead under MTCA are 20 mg/kg and 250 mg/kg, respectively. In a 1999 report, WSU professor Frank Peryea states: "The Washington State Department of Health estimates that soil arsenic concentrations below 37 mg/kg should protect the health of children having frequent exposure to contaminated soils, and regards 175 mg/kg as safe for adults having occasional exposure to contaminated soil. (Hazards of short-term exposure to arsenic contaminated soil, Washington State Department of Health, Olympia, WA, January 1999). Arsenic occurs naturally in Washington State soils at approximately 5 - 9 mg/kg and lead at 11 - 24 mg/kg. Of five Subject Property surface locations tested for increased levels of heavy metals, all five exceeded MTCA Method A Cleanup levels for Arsenic; the results were 44.7, 43.8, 47.3, 45.3, and 60.1 mg/kg. At the same five locations, only one was above the MTCA Method A Cleanup level for lead; it tested at 329 mg/kg.

- (b) What Concentrations Have Been Observed? According to the Department of Ecology's website, concentrations of arsenic and lead are highly variable and the range of concentrations is quite broad. Arsenic concentrations range from natural background levels to over 3,000 mg/kg in some areas. Average concentrations of arsenic in soil at other existing residential sub-divisions in the region are generally less than 100 mg/kg. Lead concentrations range from natural background levels, to over 4,000 mg/kg in orchard top soils. Average concentrations of lead in soil at developed properties are generally less than 700 mg/kg. Where found, elevated levels of arsenic and lead tend to be relatively shallow. In undisturbed soils, most of the arsenic and essentially all of the lead from historical use of lead-arsenate pesticides typically are concentrated in the upper 6 to 18 inches of soil.
- (c) Where are Elevated Levels likely to be Found? The Task Force has explained that areas where apples and pears were historically grown have a higher likelihood of elevated levels of heavy metals than other areas of the State because of past pesticide use. Chelan, Spokane, Yakima, and Okanogan counties have a higher likelihood than other counties due to the greater number of apple and pear trees in production between 1905 and 1947.
- (d) Health Risks from Exposure to Elevated Levels of Arsenic and Lead in Soil. A report by the Task Force states the risk of developing health problems from arsenic or lead depends on the amount of exposure and the concentrations to which a person is exposed. Most information about the health effects of arsenic and lead comes from studies where exposures were greater than those expected from living and working in places with low-to-moderate levels of arsenic and lead in soil. Health monitoring and research studies have not been carried out to the extent necessary to understand and document whether exposure to low-to-moderate level arsenic and lead in soil is causing or contributing to long-term health problems in Washington. Evaluating health effects at lower levels of exposure is difficult, and it is unlikely that conclusive scientific information to determine the health

risks from exposure to area-wide elevated levels will be available in the foreseeable future. In light of this uncertainty, there is disagreement among scientists about how the information that is available should be interpreted and used to assess the risks of exposure to low-to-moderate levels. Some members of the scientific community argue that federal and state efforts to address low-to-moderate levels are not scientifically justified because there is no information demonstrating that health problems are being caused by such exposure. Other members of the scientific community argue that arsenic and lead in soil have the potential to cause health problems at low levels of exposure—especially for people who are particularly sensitive to the effects of these elements. In recent years, the majority of scientific review committees formed to evaluate the available scientific information on arsenic and lead have concluded there is sufficient scientific basis to justify efforts to reduce exposure to these elements.

2. <u>Mitigation, Measures, Remedial Action & Guidelines</u>

- (a) <u>Mitigation Measures & Remedial Action.</u> On the Subject Property, the following measures have and/or are being taken to reduce potential health hazards due to elevated levels of heavy metals;
 - From each Lot, as much surface soil as possible has or will be placed under the garage slab, driveway, walkways, and/or any other impermeable surface and buried in utility trenches. This soil removal process will focus on the areas most likely to be disturbed by homeowners, such as garden areas in the Lots' backyards;
 - A minimum of two surface samples will be collected from ten percent (10%) of the Lots post-mitigation to determine the extent to which the soil conditions have been improved;
 - All remaining native soils will be covered with four to six inches (4"-6") of clean imported topsoil; and
 - The below-stated "Environmental Covenant", which restricts certain activities on the Subject Property, has been included in this Declaration and recorded with the Yakima County Auditor.
- (b) <u>Soil Safety Guidelines</u>. The principals of avoidance and reduction of risk focus around mitigating inhalation and ingestion of soil. According to the Department of Ecology, skin contact is not a significant pathway to arsenic and/or lead exposure. Taking the below-stated precautions can further help mitigate potential inhalation or ingestion of soil.
 - Most fruits and vegetables grown in the soil are safe to eat. Highly acidic fruits
 and vegetables should be grown in raised planting beds, as they are more apt to
 leach heavy metals. You are encouraged to wash your produce carefully before
 consuming.

- If your soil is dry and dusty when gardening, wet it down before, during, and after working to prevent dust from becoming airborne.
- Wear gloves while gardening
- Remove gardening footwear before entering the house.
- If a windy day is stirring up dust, keep soils damp, and keep doors and windows closed as much as possible.
- Do not allow dust to build up on floors and countertops where it may be transferred to your hands.
- Removing shoes upon entering the house, keeping pets clean and keeping toys clean are all good ways to minimize the amount of dirt and dust collecting in your home.

For more information regarding Arsenic & Lead, please see the Department of Ecology website "Dirt Alert" section. For more information regarding gardening on soils with elevated levels of arsenic & lead see the report by WSU professor Frank Peryea titled "Gardening on Lead and Arsenic Contaminated Soils".

XXI. ENVIRONMENTAL COVENANT

This declaration of covenant is made pursuant to RCW 70.105D.030 (1) (f) and (g) and WAC 173-340-440 by Grantor, its successors, and assigns, and the Washington State Department of Ecology, its successors and assigns (hereafter "Ecology"). Ecology.

A remedial action (hereafter "Remedial Action") occurred at the property that is the subject of this Covenant. The Remedial Action conducted at the property is described in the following documents, which are on file at Ecology's Central Region Office:

- 1. Interim Action Plan, July 30, 2008
- 2. (interim action report to follow)

This Environmental Covenant is required because the Remedial Action resulted in residual concentrations of lead and arsenic which are contained below clean surface material, but exceed the Model Toxics Control Act Method A Cleanup Level for soil established under WAC 173-340-900.

The undersigned Grantor, Yakima Joe LLC, is the fee owner of real property (hereafter "Property") in the County of Yakima, State of Washington, which is subject to this Covenant. The Property is legally described as Lots 1-32, 95-106, and 127-149 and Tracts A & B of The Villas at Terrace Heights, per plat recorded on May 20th, 2008, records of Yakima County, Washington and under Yakima County Auditor's Recording No. 7612438.

Grantor makes the following declaration, which shall limit and restrict the uses to which the Property may be put and specifies that such limitations and restrictions shall constitute covenants to run with the land, as provided by law, and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property:

- Section 1. Any activity on the Property that may result in the release or exposure to the environment of soil that was contained as part of the Remedial Action, or create a new exposure pathway, is prohibited. Some examples of prohibited activities in the capped areas include: drilling, significant digging, placement of any objects or use of any equipment which deforms or stresses the surface beyond its load bearing capability, bulldozing or earthwork. This does not include normal yard maintenance activities, including: soil aeration, irrigation system repair, or gardening.
- <u>Section 2.</u> Any activity on the Property that may interfere with the integrity of the Remedial Action and continued protection of human health and the environment is prohibited.
- <u>Section 3</u>. Any activity on the Property that may result in the release or exposure to the environment of a hazardous substance that remains on the Property as part of the Remedial Action, or create a new exposure pathway, is prohibited without prior written approval from Ecology.
- <u>Section 4</u>. The "Notice of Title Conveyance" attached hereto at "Attachment A" must be completed and sent to Ecology when any interest in the Property is conveyed.
- Section 5. The Owner must notify and obtain approval from Ecology prior to any use of the Property that is inconsistent with the terms of this Environmental Covenant. Ecology may approve any inconsistent use only after public notice and comment.
- <u>Section 6</u>. All Owners of any portion of the Subject Property shall allow authorized representatives of Ecology the right to enter and inspect the Property, at reasonable times and after appropriate legal notice, in the event that activities prohibited by this environmental covenant are observed or reported at the Property.
- <u>Section 7</u>. The Owners of the Property reserve the right under WAC 173-340-440 to record an instrument that provides that this Environmental Covenant shall no longer limit

use of the Property or be of any further force or effect. However, such an instrument may be recorded only if Ecology, after public notice and opportunity for comment, concurs.

YAKIMA JOE, LLC rksPacific, Inc., Member	
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	Dated:
Richard Sontgerath, Its President	
WASHINGTON STATE	
DEPARTMENT OF ECOLOGY	
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	Dated:
Don Abbott	
Section Manager	
STATE OF WASHINGTON)
COUNTY OF YAKIMA)SS)
State of Washington, duly commission SONTGERATH, to me known to be Yakima Joe LLC, the limited liabilit acknowledged said instrument to be	before me, the undersigned, a Notary Public in and for the oned and sworn, personally appeared RICHARD the President of rksPacific, Inc., which is a Member of of y company that executed the foregoing instrument, and the free and voluntary act and deed of said limited liability therein mentioned, and on oath stated that they are ment.
WITNESS my hand and office	cial seal hereto affixed the day and year first above written
	<u> </u>
	Printed Name:
	NOTARY PUBLIC in and for the State of
	Washington, Residing at
	Residing at My commission expires:
	<u> </u>