ATTENTION: ALL BIDDERS AND PLAN HOLDERS

RE: CONTRACT NO. SP-3412 - Cheyne Transfer Station

ADDENDUM NO. 2

You are hereby notified that the Contract Documents for the above referenced project are amended as explained below.

<table>
<thead>
<tr>
<th>Item</th>
<th>Page or Drawing</th>
<th>Location and Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Section 01100, Page 4</td>
<td>Paragraph 1.4. A. 7. <strong>DELETE</strong>: “pending approval” and <strong>REPLACE</strong> with: “included in Appendix D.”</td>
</tr>
<tr>
<td>4.</td>
<td>Section 01410, Page 2</td>
<td>Paragraph 1.3. D. 1. <strong>ADD</strong> “c. Building Permit”</td>
</tr>
<tr>
<td>6.</td>
<td>Section 01601, Page 2</td>
<td>Paragraph 1.2. F. <strong>ADD</strong> “7. Contractor shall not block access to Yakima County daily cover soil excavation area located north of Construction Limits.”</td>
</tr>
</tbody>
</table>

Yakima County ensures full compliance with Title VI of the Civil Rights Act of 1964 by prohibiting discrimination against any person on the basis of race, color, national origin, or sex in the provision of benefits and services resulting from its federally assisted programs and activities. For questions regarding Yakima County’s Title VI Program, you may contact the Title VI Coordinator at 509-574-2300.

If this letter pertains to a meeting and you need special accommodations, please call us at 509-574-2300 by 10:00 a.m. three days prior to the meeting. For TDD users, please use the State’s toll free relay service 1-800-833-6888 and ask the operator to dial 509-574-2300.
<table>
<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>7.</td>
<td>Section 03308, Page 4</td>
<td>Paragraph 2.2. B. <strong>ADD</strong> “, if used”</td>
</tr>
<tr>
<td>8.</td>
<td>Section 03308, Page 8</td>
<td><strong>DELETE</strong> from Paragraph 2.3 G. 3. “Required” and <strong>REPLACE</strong> with “If used”.</td>
</tr>
<tr>
<td>10.</td>
<td>Section 10444, Page 6</td>
<td>Paragraph 3.8. B. 2. <strong>ADD</strong> “within three feet of each waste water tank vent.”</td>
</tr>
<tr>
<td>11.</td>
<td>Section 10444, Page 6</td>
<td>Paragraph 3.8. B. 3. <strong>ADD</strong> “centered at middle employee parking spot.”</td>
</tr>
</tbody>
</table>

**VOLUME 2 OF 4**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Page or Drawing</th>
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<tbody>
<tr>
<td>12.</td>
<td>Section 13210, Page 3</td>
<td>Paragraph 2.2. B. <strong>ADD</strong> “2. Exterior Coating – Two coats of outdoor-rated latex paint formulated for pipe material and matching tank color.”</td>
</tr>
<tr>
<td>13.</td>
<td>Section 13600</td>
<td><strong>DELETE</strong> in its entirety and <strong>REPLACE</strong> with the attached Section 13600 Truck Scales.</td>
</tr>
<tr>
<td>14.</td>
<td>Appendix C</td>
<td><strong>ADD</strong> Attached Standard Details WSDOT B-10.20-00 and WSDOT B85.50-01.</td>
</tr>
</tbody>
</table>
| 15.  | Appendix D | Add Attached Permits, as follows  

Yakima Health District On-site Septic System Permit  
Yakima Health District Approval to Construct  
Building and Fire Safety Fire Code Plan Review Approvals  
Yakima County Building and Fire Safety Non-Residential Building Code Plan Review |

**VOLUME 3 OF 4**

**BIDDING REQUIREMENTS, FORMS, AND TERMS AND CONDITIONS**

<table>
<thead>
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<tbody>
<tr>
<td>16.</td>
<td>DATE OF OPENING BIDS, Page 1</td>
<td><strong>DELETE</strong> April 4, 2012 and <strong>REPLACE</strong> with April 11, 2012</td>
</tr>
<tr>
<td>17.</td>
<td>BID FORM</td>
<td><strong>DELETE</strong> PROPOSAL Pages 2, 3 and 4 in its entirety, and <strong>REPLACE</strong> with attached PROPOSAL Pages 2, 3 and 4.</td>
</tr>
<tr>
<td>18.</td>
<td>Special Provisions Page 34</td>
<td><strong>DELETE</strong> “Add the following new section:”</td>
</tr>
</tbody>
</table>

**VOLUME 4 OF 4**
<table>
<thead>
<tr>
<th>Item</th>
<th>Page or Drawing</th>
<th>Location and Description of Change</th>
</tr>
</thead>
</table>
| 20   | 00C-06         | **ADD** to SITE CIVIL NOTES:  
3. WHEEL STOPS SHALL BE MADE OUT OF RUBBER AND RESISTANT TO WEATHER, SALT, MOISTURE, UV, OIL, AND TEMPERATURE.  
4. WHEEL STOPS SHALL BE BLACK WITH WHITE REFLECTIVE STRIPES AND SHALL BE 6-FEET LONG, 6-INCHES WIDE, AND 4-INCHES TALL.  
5. DRILL FOUR $\frac{1}{2}$-INCH DIAMETER HOLES THROUGH THE ASPHALT OR TO A DEPTH OF 3-INCHES FOR EACH WHEEL STOP. CLEAN PAVEMENT PRIOR TO SETTING THE WHEEL STOP. FASTEN THE WHEEL STOP TO THE PAVEMENT WITH FOUR 14-INCH BY 1/2 -INCH REBAR STAKES AND 5/8-INCH WASHERS.” |
| 21   | 00C-17         | SITE UTILITY PLAN, AREA 1, **DELETE** Drawing 00C-17 and **REPLACE** with:  
Drawing 00C-17, Revision A dated 3/21/12. See Attached. |
| 22   | 00C-18         | SITE UTILITY PLAN, AREA 2, **DELETE** Drawing 00C-18 and **REPLACE** with:  
Drawing 00C-18, Revision A dated 3/21/12. See Attached. |
| 23   | 00C-23         | STORM DRAIN PROFILES, **DELETE** Drawing 00C-23 and **REPLACE** with:  
Drawing 00C-23, Revision A dated 3/21/12. See Attached. |
| 24   | 00C-27         | **DELETE** Key note 1 in its entirety, and **REPLACE** with “REMOVE EXISTING STEEL, 10.5-FEET DIAMETER BY 18-FEET HIGH, EXISTING TANK AND PROVIDE TO OWNER.” |
| 25   | 00C-27         | **DELETE** “2,000 GALLON TANK” from Key Note 6, and **REPLACE** with “APPROXIMATELY 1,000 GALLON, METAL TANK” |

All bidders shall be required to furnish the Yakima County Engineer with evidence of the receipt of this Addendum. This Addendum shall be incorporated in and made a part of the contract when awarded and formally executed.

[Signature]
Gary Ekstedt, P.E.
County Engineer
DELIVERY OF PROPOSALS

Sealed bids will be received at the following location before the specified time:

Yakima County Public Services, Fourth Floor County Courthouse, 128 N. 2nd Street, Yakima, Washington 98901 until 2:00 p.m. of the bid opening date.

Each proposal, or bid shall be completely sealed in a separate package, addressed to the Engineer of Yakima County with the name of the improvements for which the bid is submitted plainly written on the outside of the package.

No oral, telephonic, facsimile, or telegraphic Bids or modifications shall be accepted.

A prebid conference will be held at 11:00 A.M. on Thursday, March 22, 2012 at the Cheyne Landfill, 4970 Cheyne Road, Zillah WA. . Attendance by Bidders at the prebid conference is mandatory. Bids received from Bidders who have failed to attend the prebid conference will be considered non-responsive.

DATE OF OPENING BIDS

The bid opening date for this project shall be April 11, 2012

The bids shall be publicly opened and read after 2:00 p.m. on that date at the following location:

Yakima County Road Engineer’s Office, fourth floor, Yakima County Courthouse, 128 N 2nd Street, Yakima, Washington 98901

RIGHT TO REJECT BIDS:

The right is reserved to reject any and all proposals, to accept the proposal or proposals deemed best for the County or to advertise for new proposals when in the opinion of the Board the best interest of the County shall be promoted thereby.

PROPOSAL GUARANTY:

A certified check, cashier’s check, cash or bid bond made payable to the Treasurer of the County of Yakima for an amount equal to at least five percent (5%) of the total amount bid must accompany each bid as evidence of good faith and as a guarantee that if awarded the Contract the bidder shall execute the Contract and give Bond as required.

FORM FURNISHED:

Each bid must be made on the form attached to these Specifications.

Yakima County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000-4 and Title 49, Code of Federal Regulations, Department of Transportation, subpart A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it shall affirmatively assure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises shall be afforded full opportunity to submit bids in response to this invitation and shall not be discriminated against on the grounds of race, color or national origin in consideration for an award.

YAKIMA COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER
PROPOSAL

This certifies that the undersigned has examined the location of

SP 3412 – CHEYNE TRANSFER STATION

And that the Plans, Specifications and Contract governing the work embraced in this improvement, and the method by which payment will be made for said work, is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much as can be completed with the money available, in accordance with the said Plans, Specifications, and Contract, and the following schedule of rates and prices:

**NOTE:** Unit Prices for all items, all extensions, and total amount of bid shall be shown. No oral, telephonic, facsimile, or telegraphic Bids or modifications shall be considered or accepted.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Est. Qty</th>
<th>Pay Unit</th>
<th>Unit Price</th>
<th>Total Item Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobilization, Construction Facilities &amp; Temporary Controls, Closeout</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
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<tr>
<td>2</td>
<td>Construction Quality Control</td>
<td>1</td>
<td>LS</td>
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<td>3</td>
<td>Erosion and Sediment Control</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
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<td>4</td>
<td>Excavation Support and Protection</td>
<td>15,177</td>
<td>SF</td>
<td>$</td>
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<td>5</td>
<td>Site Clearing and Grubbing and Haul to onsite Stockpile in Cell 1</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td></td>
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<tr>
<td>6</td>
<td>Removal of Existing Asphalt Pavement and Disposal</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
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<tr>
<td>7</td>
<td>Sawcut Existing Asphalt Pavement</td>
<td>900</td>
<td>LF</td>
<td>$</td>
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<tr>
<td>8</td>
<td>Demolition of Existing Water Tanks</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td></td>
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<tr>
<td>9</td>
<td>Excavation, Haul, Placement and Compaction</td>
<td>86,924</td>
<td>CY</td>
<td>$</td>
<td></td>
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<tr>
<td>10</td>
<td>Gravel Base for Slabs and Footings</td>
<td>1,023</td>
<td>TN</td>
<td>$</td>
<td></td>
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<tr>
<td>11</td>
<td>Gravel Backfill for Walls</td>
<td>138</td>
<td>TN</td>
<td>$</td>
<td></td>
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<tr>
<td>12</td>
<td>Crushed Surfacing Base Course for HMA Paving</td>
<td>7,775</td>
<td>TN</td>
<td>$</td>
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<tr>
<td>13</td>
<td>Crushed Surfacing Top Course for Gravel Eastline Road</td>
<td>1,555</td>
<td>TN</td>
<td>$</td>
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<tr>
<td>14</td>
<td>Hot Mix Asphalt, Class 1/2-inch PG 64-28</td>
<td>4,022</td>
<td>TN</td>
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<td>15</td>
<td>Planing Bituminous Pavement</td>
<td>348</td>
<td>SY</td>
<td>$</td>
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<td>16</td>
<td>Overlay - 1 1/2-inch depth of HMA Class 1/2-inch</td>
<td>29</td>
<td>TN</td>
<td>$</td>
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<td>17</td>
<td>Pavement Restoration at Existing Scalehouse for Water and Sewer</td>
<td>28</td>
<td>SY</td>
<td>$</td>
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<td>18</td>
<td>Curb and Gutter</td>
<td>1,095</td>
<td>LF</td>
<td>$</td>
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<td>19</td>
<td>Wheel Stops for Parking Areas</td>
<td>6</td>
<td>EA</td>
<td>$</td>
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<tr>
<td>20</td>
<td>Specialty Signage Exterior to Scalehouse</td>
<td>5</td>
<td>EA</td>
<td>$</td>
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<tr>
<td>21</td>
<td>Employee Parking Stairs</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
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<td>22</td>
<td>Transfer Building Stairs</td>
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<td>LS</td>
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<td>23</td>
<td>Bollards</td>
<td>37</td>
<td>EA</td>
<td>$</td>
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<tr>
<td>24</td>
<td><strong>Sanitary Sewer System</strong></td>
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<tr>
<td>a</td>
<td>Dig and Verify Existing Septic Sewer Line &amp; Drainfield</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td></td>
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<tr>
<td>b</td>
<td>Excavate 3-feet depth of Soil from drainfield area and Haul to Cell 1 Stockpile</td>
<td>14</td>
<td>CY</td>
<td>$</td>
<td></td>
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<tr>
<td>c</td>
<td>1,500 gallon Holding Tank and Appurtenances for Scalehouses</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Quantity</td>
<td>Unit</td>
<td>LS</td>
<td>LS</td>
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<td>------------------------------------------------------------------------------</td>
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<tr>
<td>d</td>
<td>500 gallon Holding Tank Facility and Appurtenances for HHW</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>e</td>
<td>PVC Sanitary Sewer Pipe - 6-inch</td>
<td>662</td>
<td>LF</td>
<td>$</td>
<td>$</td>
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<td>f</td>
<td>PVC Sanitary Sewer Pipe - 8-inch</td>
<td>146</td>
<td>LF</td>
<td>$</td>
<td>$</td>
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<td>g</td>
<td>3-inch Floor drain in Scalehouse</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td>h</td>
<td>8-inch Cleanout</td>
<td>8</td>
<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>i</td>
<td>Manholes</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td>j</td>
<td>3,000 gallon Holding Tank and Appurtenances for Transfer Building</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>k</td>
<td>1,000 gallon Oil Water Separator</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>l</td>
<td>Type 1 Catch Basins</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>m</td>
<td>Drop Connection</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td></td>
<td><strong>Water System</strong></td>
<td></td>
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<tr>
<td>a</td>
<td>Up to 2-inch Piping Systems incl. Valves and appurtenances</td>
<td>1,780</td>
<td>LF</td>
<td>$</td>
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<td>3-inch Piping Systems incl. Valves and appurtenances</td>
<td>1,508</td>
<td>LF</td>
<td>$</td>
<td>$</td>
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<tr>
<td>c</td>
<td>Water Hydrants at Wellhead and HHW Facility</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td>d</td>
<td>Water Storage Tank and Foundation</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>e</td>
<td>Water Pressure Booster and Enclosure</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
</tr>
<tr>
<td>f</td>
<td>Wellhead, Controls, and Shed</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>g</td>
<td>Valve and Valve Box for Irrigation System</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
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<td>h</td>
<td>Check Valve and Backflow Preventer for Irrigation System</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<td>i</td>
<td>Disinfection System</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<td><strong>Storm Sewer System</strong></td>
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<td>a</td>
<td>36-inch Corrugated Steel Culvert Pipe</td>
<td>75</td>
<td>LF</td>
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<td>18-inch Corrugated Steel Culvert Pipe</td>
<td>772</td>
<td>LF</td>
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<td>c</td>
<td>36-inch CPE Pipe</td>
<td>12</td>
<td>LF</td>
<td>$</td>
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<tr>
<td>d</td>
<td>36-inch CPE Pipe - 22.5 degree bend and Connection to Existing</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<td>e</td>
<td>Quarry Spalls</td>
<td>159</td>
<td>TN</td>
<td>$</td>
<td>$</td>
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<tr>
<td>f</td>
<td>Type 1 Catch Basins</td>
<td>6</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td>g</td>
<td>Manhole - 48-inch</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<td>h</td>
<td>Roof Drain Cleanouts</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>i</td>
<td>8-inch PVC Roof Drain Conveyance System</td>
<td>116</td>
<td>LF</td>
<td>$</td>
<td>$</td>
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<td>j</td>
<td>Type 2 Catch Basins</td>
<td>1</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<tr>
<td></td>
<td><strong>Fencing and Gates</strong></td>
<td></td>
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<td></td>
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<tr>
<td>a</td>
<td>Chain Link Fencing, including Ends, Corners, and Pull Posts</td>
<td>822</td>
<td>EA</td>
<td>$</td>
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<tr>
<td>b</td>
<td>8' Chain Link Sliding Gate</td>
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<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>c</td>
<td>40' Chain Link Double Swing Gates</td>
<td>2</td>
<td>EA</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>d</td>
<td>4' Chain Link Single Swing Gate</td>
<td>3</td>
<td>EA</td>
<td>$</td>
<td>$</td>
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<td><strong>Concrete Work</strong></td>
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<td></td>
<td></td>
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<tr>
<td>a</td>
<td>Transfer Building Wall drains, Spread and Continuous Footings, CIP Wall</td>
<td>1</td>
<td>LS</td>
<td>LS</td>
<td>$</td>
</tr>
<tr>
<td>b</td>
<td>Transfer Building Tipping Floor Shake-On Floor Hardener</td>
<td>5,925</td>
<td>SF</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>c</td>
<td>Transfer Building Slab on Grade, Includes Rebar</td>
<td>1</td>
<td>CY</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>d</td>
<td>Concrete Pilasters</td>
<td>25</td>
<td>CY</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
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<td>Transfer Building Concrete Approach Slabs, Includes Rebar</td>
<td>357</td>
<td>CY</td>
<td>$</td>
<td>$</td>
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<tr>
<td>g</td>
<td>HHW Facility Slab on Grade, Continuous Spread Footing, Incl. Rebar</td>
<td>82</td>
<td>CY</td>
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**Note:** The information provided includes various construction components and their quantities, units, and costs relevant to the project described.
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SECTION 13600
TRUCK SCALES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes the following.
   1. Design, fabrication and installation of two 80-foot long, minimum 100-ton capacity, low-profile, above-grade type all-electronic truck scale, with concrete deck, curbing system, scale appurtenances, and traffic control equipment.
   2. The scale weighbridge shall be 11-feet wide with a concentrated load capacity of 100,000 pounds.
   3. The weighbridge shall consist of a maximum of four scale modules supported by a maximum of 12 load cells. Drawings show arrangement and foundations based on a scale system using three sections. Contractor is responsible for cost of providing all concrete foundations to suit the scale equipment proposed. Load cells must be available to the Owner’s current scale maintenance contractor, Western Scales.
   4. Furnish and install components of the data management and traffic control systems including:
      a. Digital Weight Indicators two (2), located in the new Scalehouse.
      b. Point of Sale (Customer Transaction) Displays two (2) located outside the new scalehouse
      c. Traffic control lights (4), one each at the entrance and exit of the new scales
      d. Coordinate work furnished under other specification sections including cast-in-place concrete scale foundations and approach slabs.
   5. Embedded steel copings and checks for the scale platform and foundations

B. Related Sections; coordinate related work specified in other parts of the Contract Documents, including but not limited to the following.
   1. Division 0
   2. Division 1
   3. Section 02423 – Storm Drainage System
   4. Section 03311 – Concrete Mixing, Placing, Jointing, and Curing
   5. Section 05500 – Miscellaneous Metal Fabrications and Assemblies
   6. Division 13
   7. Division 16

1.2 DESCRIPTION OF SYSTEM

A. The scale system includes, but is not necessarily be limited to, the following major items:
1. Orthotropic steel weighbridge with 8-inch, site-cast, steel and fiber reinforced concrete platform (deck)
2. Cast-in-place concrete scale foundations and abutments, and approach slabs (furnished under other sections but coordinated by scale manufacturer).
3. Electronic load cells.
4. The scale shall be fully electronic in design and shall not incorporate any mechanical weighing elements, check rods, or check stays.
5. The scale weighing related electronics shall be comprised solely of load cells, load cell cables and digital weight display. No other devices shall be permitted between the load cell and the digital weight display.
6. Embedded steel bumper stops for platforms and steel plates and anchor bolts for load cells.
7. Voltage surge protection system.
8. Digital weight indicators interior to scale house (2).
9. RS232 serial interface for each scale with data management system equipment.
10. Traffic control lights (4). Red/green in a single lens unit, post-mounted with controls as necessary for automatic control through the computer system.
11. Outside point of sale displays (2) mounted in a NEMA4x enclosure rated for outdoor use.
12. Galvanized rigid steel conduits mounted on scale platforms and PVC embedded conduits located in the concrete deck and stainless steel-sheathed cabling. Any conduit locations requiring flexibility shall include liquid-tight flexible conduits.
13. Installation and testing of all the furnished system equipment.
15. Instruction for operating personnel.
16. The load cells and load cell mounting hardware shall be constructed of stainless steel. The cables shall be stainless steel sheathed.

1.3 WORK BY OTHERS

A. Owner will furnish and install the proprietary data management hardware (computers, printers, Ethernet switches and interconnecting exposed cabling) and software (Paradigm) following Contractor’s installation of the scale equipment and before final startup and checkout of the system by the Contractor.

1.4 QUALITY ASSURANCE

A. Qualifications of Manufacturer. The manufacturer shall have been in the business of design and manufacturer of similar truck scales for at least 10 years and shall have been represented in the State of Washington by a complete sales and service organization for at least the preceding five years. The manufacturer shall have a minimum of 25 similar truck scale installations in place within a radius of 350 miles of the project site. The manufacturer shall be capable of providing a local source of parts and service on a 24-hour per day, seven-day per week basis. Service call response time shall be not more than four hours. Submit
evidence verifying these qualifications with other submittals. Parts must be available universally to all truck scale service companies. The manufacturer’s scale design shall be such that service can be provided by any reputable scale service company.

1.5 REFERENCE STANDARDS


1.6 SUBMITTALS

A. General: See Section 01340 for requirements for the mechanics and administration of the submittal process.

B. Scale system general arrangement drawings showing for each size scale the scale platform and scale foundation in plan and section and showing arrangement of load cells, load cell support pads, anchor bolts, platform, access covers for load cells, conduit and accessories.

C. The scale system foundations shown on the Drawings are based on a representative manufacturer’s standard layout and are provided for bidding purposes only, and may not be fully suitable for construction. Manufacturer shall determine if the design depicted on the Drawings is suitable for its scale equipment and submit all information necessary to modify the Drawings to suit scale manufacturer’s equipment.

1. If proposed scale system requires different or additional foundations and/or load cell supports beyond those shown on the Drawings, the Owner will revised the Drawings to reflect the structural changes needed. Any additional construction cost associated with these changes shall be the responsibility of the Contractor.

D. Manufacturer’s product and catalog data for.

1. Load cells
2. Digital weight indicators
3. Point of sale displays
4. Traffic control lights
5. Paint system

E. Provide complete schematic wiring diagram showing all interconnecting cabling from scales to summing boards and all Contractor-furnished peripheral equipment.

F. Provide guidance to electrical subcontractor for location and routing of all embedded and built-in conduit runs for the interconnecting cabling.

G. Provide shop drawings and mounting details for peripheral equipment mounting posts and for each permanently mounted piece of equipment.

H. Paint system color selection chips.
I. A Certificate of Conformance for the scale instrument to the specifications set forth by NIST H-44 for Class II, III, and IIII Devices.

J. Operation and Maintenance Manual including as a minimum of the following type of information:
   1. Description and data for each component or product including manufacturer’s printed data, standard catalog cuts, parts lists and illustrations.
   2. Complete operating instructions.
   3. Complete maintenance procedures, including routine maintenance, cleaning procedures, guide to trouble shooting, disassembly, repair and reassembly instructions and alignment, adjusting and checking procedures.
   4. Full set of all submitted and approved drawings.

K. Evidence of manufacturer’s experience and qualifications as specified in 1.4 above.

1.7 WARRANTY

A. Furnish the Scale manufacturer’s and installing subcontractor’s jointly-issued written warranty for a period of one (1) year after the date of substantial completion.

B. The scale manufacturer shall warrant the scale assembly including all load cells, weighbridge structure, scale instrument, junction boxes, and associated cables from failures due to a defect in manufacturing, workmanship, and surge voltages.

C. The guarantee will warrant the product for a period of five (5) years from date of substantial completion. Bidder shall promptly correct any such defect appearing within the warranty period.

D. The guarantee shall support 100% coverage of repair parts, labor, travel time, and mileage from the closest service location, or at the Owner’s discretion, replacement of the product under warranty.

E. This manufacturer’s warranty shall be in addition to and run concurrent with the one-year warranty on all work specified in the Conditions of contract, and no a limitation of other rights the Owner may have against the Contractor under the Contract Documents.

PART 2 - PRODUCTS

2.1 GENERAL

A. The scales shall conform to the specifications, tolerances and other requirements for motor vehicle scales as published in the latest edition of the United States Department of Commerce, National Bureau of Standards Handbook 44, and shall have National Type Evaluation Program (NTEP) certification.
B. The scale system shall be designed to operate satisfactorily and reliably over the full range of weather conditions and conditions of service experienced at the project site.

C. All Contractor-furnished equipment supports and mounting hardware for the scale system exterior equipment shall be hot dip galvanized and/or stainless steel.

2.2 MANUFACTURERS

A. Available Truck Scale Manufacturers: Subject to compliance with requirements, manufacturers offering truck scales that may be incorporated in the work include the following
   1. Mettler Toledo model number VTC221
   2. Approved alternate

2.3 WEIGHBRIDGE

A. The steel weighbridge shall be designed to be free from excessive deflection.

B. Weighbridge modules must be factory assembled and welded and there shall be no field welding or field fabrication required for the installation of the scale.

C. The weighbridge shall include continuous heavy-duty steel curbs along both sides, with the top of the curbs not less than 6 inches above the concrete deck surface. The curbs could be part of integral structural side beams or they could be fabricated as secondary members attached to the steel deck pan and framing. The curbs shall include adequate provisions for surface water runoff from the deck so that there is no ponded water on the deck at any location

D. The weighbridge shall be shot blasted to a minimum SSPC-SP6 specification prior to painting.

E. All exterior surfaces of the scale shall have a two component, high build epoxy finish, impregnated with aluminum flake for increased corrosion resistance and UV protection, providing total Dry Film Thickness of 5-7 mils, International/Akzo Nobel Intergard 7562 or equal.

F. The weighbridge shall be designed with an 8-inch thick reinforced, site-cast concrete deck. Concrete shall be 5,500 psi, fiber-reinforced, finished with a medium-broom finish and chemical hardener/sealer.

G. The weighbridge shall be designed to withstand sudden truck stops

H. The weighbridge shall be designed to allow access to load cell cables, base plates, and all foundation anchor bolts from the top of the scale platform.

I. The weighbridge and load cell mounting assemblies shall be designed to allow installation or replacement of a load cell with only one additional inch of clearance, or less, required between the top of the foundation and the bottom of the weighbridge on pitless installations.

J. The load cell assembly shall be designed so when at the scale weighbridge with a lifting jack, the load cell can be replaced in less than five (5) minutes.
2.4 LOAD CELLS

A. Electronic
   1. Powervell PDX 50,000-pound, rocker column or double-ended, center-loaded shear beam load cells meeting the requirements by NIST Handbook 44 for Class IIII devices
   2. Approved alternate.

B. Load cells shall be stainless, hermetically sealed, with a minimum NEMA 6P (submersible) rating and electrical supply voltage 24 VDC

C. Load cells shall contain integral Transient Voltage Surge Suppressors (TVSS) for all input and communication lines. Each TVSS shall contain self-resetting thermal breakers to protect the load cell components from voltage and current surges.

D. Load cells shall have a positive-lock quick connector integral to its housing for connecting and disconnecting the load cell interface cable at the load cell. The connector shall be of glass-to-metal, pin-type construction to maintain a hermetic seal.

E. System shall permit load cell cable replacement without either splicing the load cell cable or replacing the load cell. System shall permit the replacing the load cell cable without requiring the scale be recalibrated.

2.5 CONDUIT

A. All concrete-embedded conduit supplied with scales shall be PVC Schedule 40. All exposed conduit shall be galvanized rigid steel. All conduit shall not be less than one inch in diameter.

2.6 VOLTAGE SURGE PROTECTION

A. Grounding of all scale components including load cells and scale instrument shall be to one common point. Systems with multiple ground points are not acceptable.

B. An AC line surge protector shall plug into a common electrical outlet and have receptacles for the scale instrument.

C. Each AC line surge protector shall have one isolated ground, hospital-grade duplex receptacles, and an internal 15-amp circuit breaker.

2.7 TRAFFIC CONTROL LIGHTS

2.8 DIGITAL READOUTS AND CUSTOMER DISPLAYS

A Interior Digital Readouts
1 Rice Lake Weighing Systems’ IQ plus 710 digital weight indicators
2 Approved alternate

B Exterior Customer Transaction Displays.
1 Manufacturer
   a Pacific Northwest Technologies: 2-line, 20-column digital point-of-sale customer display with, RS-232 serial interface, vacuum fluorescent display, 115 V, with adaptors and mounting hardware suitable for mounting units to the exterior face of the scalehouse wall.
   b Approved alternate
2 Provide each display with a stainless steel weather hood as shown on the Drawings with mounting hardware to provide three-sided weather protection. Hood top and sides should extend approximately 2 inches beyond the face of the display.
   a The inbound scale display shall indicate weight.
   b The outbound scale display shall indicate weight and transaction amount.

C Scale Instrument:
1. Shall be designed for use in vehicle scale weighing applications.
2. Shall have the following keyboard operations:
   a 0-9 Numeric Keys
   b “.” (Decimal Point)
   c Clear
   d Tare
   e Zero
   f Print
   g Select Scale
3 Shall have automatic zero capture on power-up selectable to capture zero at 2% or 10% of the full-scale capacity.
4 Shall have adjustable automatic zero maintenance selectable for ± 0.5, ± 1, or ± 3 displayed increments
5. Shall have push-button zero selectable for ± 2% or ± 20% of full-scale capacity.
6. Tare, Zero, and Print functions shall be inhibited while the weight display is changing. Motion detection shall be selectable for ± 0.5, ± 1.0, ± 2.0, or ± 3.0 increments.
7. Shall only receive digital information from the load cell assemblies. There shall be no analog-to-digital conversion function in the scale instrument.
8. Shall provide for load correction for load position.
9. Shall have the following service characteristics:
   a. Set-up and navigation through all phases of set-up, calibration, and testing shall be intuitive through a decision-tree format.
   b. Capable of performing calibration, span, zero, and shift adjustment through software calculations that require no scale adjustment.
c  Entry of information shall be accomplished through the instrument's keyboard only

d. Capable of assigning each load cell with its own unique identification number and displaying the weight reading of each individual load cell through the instrument without disconnecting any of the load cells from the system

e  Ability to display digital raw counts for the attached digital load cells with their values being updated on a real-time basis. The scale instrument shall also be capable of displaying the raw count values of multiple digital load cells on the graphical display

f  Ability to identify and to immediately display an error condition associated with an individual load cell in the event of a failure or out-of-tolerance condition. The displayed message shall identify the failed load cell and the cause of the failure

10. The scale instrument shall be NTEP certified and meet or exceed the specifications set forth by NIST H-44 for Class II, III, and IIIa Devices. The manufacturer upon request shall provide a Certificate of Conformance to these standards.

11. The scale instrument shall be housed in a metal enclosure that is suitable for desk or wall mounting.

12. Shall have the following data communications capabilities:
   a. One com port RS232
   b. One com port RS232, RS422, or RS485
   c. One TCP/IP 10 Base-T Ethernet
   d. One Webserver
   e. One Shared Data server

13. Shall output the following information:
   a. Gross, Tare, and Net Weight
   b. Unique identification number
   c. Transaction Counter
   d. Time and Date
   e. Variable Application-Specific Information
   f. Standard Reports Generated by the Scale Instrument

14. Shall be UL/cUL listed.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. The manufacturer shall provide factory trained, skilled mechanics to install, adjust and test the scale system and its peripheral devices and components.

B. The concrete foundation system and deck shall be constructed in accordance with the applicable sections of Divisions 3 and 5.

C. Touchup and repair all damaged areas of factory applied paint finish after installation.
3.2 COORDINATION

A. Scale manufacturer shall be responsible to coordinate the installation of the scale equipment package including those items furnished under other specification sections and furnished by Owner.

B. A pre-installation coordination meeting shall be held at the site including the scale manufacturer, the Owner's Site Representative, Owner's installing technicians, and other trades involved in the work
   1. The meeting shall be held no later than 15 days prior to the start of the scale equipment manufacturer's installation work

3.3 TESTING/CERTIFICATION

A. Following installation each scale shall be tested and calibrated with not less than 20,000 pounds of certified weights.

B. After successful testing obtain a seal of accuracy and acceptance of the system by the State of Washington Office of Weights and Measures

3.4 INSTRUCTION

A. Provide Owner's operating personnel with not less than eight hours of on-site instruction in the use and maintenance of the equipment furnished

END OF SECTION
NOTES
1. No steps are required when height is 4' or less.

2. The bottom of the precast catch basin may be sloped to facilitate cleaning.

3. The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.

4. Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 0-04.3.

### CATCH BASIN DIMENSIONS

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### SEPARATE BASE INTEGRAL BASE

### PIPE ALLOWANCES

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1. Corrugated Polyethylene Storm Sewer Pipe (Std. Spec. 9-05.20)
2. (Std. Spec. 9-05.12(1))
3. (Std. Spec. 9-05.12(2))

**CATCH BASIN TYPE 2**

**STANDARD PLAN B-10.20-00**

**APPROVED FOR PUBLICATION**

Harold J. Peterfeso 06-01-96

Washington State Department of Transportation
One length of ductile iron pipe (class 50) to solid bearing when span is more than 48'

DIP tee clearance 2'
Backfill with compacted material as directed by Engineer

Flexible joint

Commercial concrete block - poured in place

DIP 90° bend clearance 2'

Typical manhole

1/2 bund flange as dam

Elevation

Ductile iron drop connection

Mortar dam or plug as required by Engineer

90° bend

Concrete encased drop connection

All pipe, except ductile iron pipe, shall be concrete encased.
February 21st, 2012

Attn: Wendy Mifflin

YAKIMA COUNTY PUBLIC SERVICES SOLID WASTE
7151 Roza Hill Drive
Yakima, WA 98901

REF: Parcel #201101-11002; 322.55 acres located at 4970 Cheyne Road in Zillah, WA 98953 for Project #2008-00854. The permit issued under Permit Number HOS2012-00015 is for a 3000-gallon holding tank that will serve the Transfer Building Load Out Area (Building Permit Number BLD2012-00062). Included with this packet is also the permit issued for Permit Number HOS2012-00016 which is for a 1500-gallon holding tank that will serve scale house restroom (Building Permit Number BLD 2012-00063).

Attn: Wendy Mifflin:

Enclosed are the on-site sewage disposal permit and the approved design for the holding tanks as referenced above. This design has been specifically prepared for your building site and illustrates how it must be installed. This disposal system must be constructed by an installer certified by this agency, or the owner/occupant of the proposed structure (WAC 246-272-13501). Please be sure to visibly post both copies of permits for HOS2012-00015 and HOS2012-00016. Be sure to share the entire contents of this envelope with the installer prior to the start of the installation.

If for some reason the system cannot be installed as shown, you must contact your designer and this office so that a revision or redesign can be submitted for review and approval. You must post the permit so that it can be clearly seen and is easily accessible. Be sure the designer and installer approves of the installation, signs, and dates both permit copies prior to calling the Yakima Health District for an inspection. Allow 3 working days lead time for inspection prior to backfilling anything.
If you have any questions, please call 249-6530 any weekday between 8:30 a.m. and 5:00 p.m. Be sure to leave your name, message, and a phone number where you can be reached and your call will be returned as soon as possible.

Sincerely,

Gail A. Hack, EHS
Yakima Health District
YAKIMA HEALTH DISTRICT ON-SITE SEPTIC SYSTEM PERMIT
HOLDING TANK FOR TRANSFER BUILDING LOAD OUT AREA
PERMIT # HOS2012-00015
Permit Must Be Posted On-site

Date Issued: February 13, 2012
Expiration Date: February 13, 2013

Parcel Number: 20110111002

Name: Yakima Co. Public Services Solid Waste

Issued By: Gail A. Hack, EHS
(For Yakima Health District)

Location: 4970 CHEYNE ROAD IN ZILLAH, WA 98953

ALL WORK SHALL BE DONE IN ACCORDANCE WITH YAKIMA HEALTH DISTRICT REGULATIONS AND THE FOLLOWING ARE MINIMUM SPECIFICATIONS AS PER DESIGN:

Holding Tank Capacity (in gallons): 3000
Drain field Area (in square feet): NA
Pump Chamber Capacity (in gallons): NA
Maximum Depth Of Trenches: NA
Type Of Laterals: NA
System Type: HOLDING TANK

HOLDING TANK CAPACITY OF 3000 GALLONS WILL SERVE THE TRANSFER BUILDING LOAD OUT AREA.
NEED LABOR AND INDUSTRY REPORT VERIFYING APPROVAL FOR ELECTRICAL INSTALLATION OF AUDIO/VISUAL PUMP ALARM SERVICING THE HOLDING TANK. NEED ACCESS RISERS TO FINISHED GRADE ON TANK LID(S). MUST BE 10-FEET MINIMUM FROM WATERLINES. NEED TO HAVE PUMPING CONTRACT FOR PROPER PUMPING AND DISPOSAL AS NEEDED AND ANY ROUTINE MAINTENANCE REQUIRED.

SEE DESIGN PACKET FOR CONSTRUCTION DETAILS

Note: Any deviation from the approved design without prior approval by the Designer and Health District may void this permit.

DO NOT COVER ANY PORTION OF SYSTEM WITHOUT APPROVAL OF THE DESIGNER AND HEALTH DISTRICT
COVERING SYSTEM WITHOUT APPROVAL WILL VOID THIS PERMIT

I hereby certify this system was installed under my supervision and control and complies with all provisions of the Yakima Health District regulations. I have complied with all the restrictions and recommendations as listed on the design approved by the Yakima Health District.

Signature of Installer ___________________________ Date ___________________________

Installer Company Name (Please Print) ___________________________

Signature of Designer ___________________________ Date ___________________________

INSTALLATION APPROVED __________________________

(Sanitarian’s Signature) (Date)
Yakima Health District
1210 Ahtanum Ridge Drive
Union Gap, Washington 98903
Phone (509) 575-4040

Attn: Wendy Mifflin
YAKIMA COUNTY PUBLIC SERVICES SOLID WASTE
7151 Roza Hill Drive
Yakima, WA 98901

February 23rd, 2012

REF: Parcel #201101-11002; 322.55 acres located at 4970 Cheyne Road in Zillah, WA 98953 for Project #2008-00854. The permit issued under Permit Number HOS2012-00015 is for a 500-gallon holding tank that will serve the emergency shower located in the Hazardous Household Waste Facility (BLD2012-00064).

Attn: Wendy Mifflin:

Enclosed is the on-site sewage disposal permit and the to-scale design of your disposal system. This design has been specifically prepared for your building site and illustrates how it must be installed. This disposal system must be constructed by an installer certified by this agency, or the owner/occupant of the proposed structure (WAC 246-272-13501). Please be sure to visibly port both copies of permits for HOS2012-00015. Be sure to share the entire contents of this envelope with the installer prior to the start of the installation.

HOLDING TANK CAPACITY OF 500 GALLONS WILL SERVE THE EMERGENCY SHOWER FOR THE HAZARDOUS HOUSEHOLD WASTE FACILITY. NEED LABOR AND INDUSTRY REPORT VERIFYING APPROVAL FOR ELECTRICAL INSTALLATION OF AUDIO/VISUAL PUMP ALARM SERVING THE HOLDING TANK. NEED ACCESS RISERS TO FINISHED GRADE ON TANK LID(S). MUST BE 10-FEET MINIMUM FROM WATERLINES. NEED TO HAVE PUMPING CONTRACT FOR PROPER PUMPING AND DISPOSAL AS NEEDED AND ANY ROUTINE MAINTENANCE THAT MAY BE REQUIRED.

If for some reason the system cannot be installed as shown, you must contact your designer and this office so that a revision or redesign can be submitted for review and approval. You must post the permit so that it can be clearly seen and is easily accessible. Be sure the designer and installer approves the installation, signs, and dates both permit copies prior to calling the Yakima Health District for an inspection. Allow 3 working days lead time for inspection prior to backfilling anything. If you have any questions, please call 249-6530 any weekday between 8:30 a.m. and 5:00 p.m. Be sure to leave your name, message, and a phone number where you can be reached and your call will be returned as soon as possible.

Sincerely,

[Signature]
Gail A. Hack, EHS
Yakima Health District
February 21st, 2012

Att: Wendy Miffin
YAKIMA COUNTY PUBLIC SERVICES SOLID WASTE
7151 Roza Hill Drive
Yakima, WA 98901

REF: Parcel #201101-11002; 322.55 acres located at 4970 Cheyne Road in Zillah, WA 98953 for Project #2008-00854. The permit issued under Permit Number HOS2012-00015 is for a 3000-gallon holding tank that will serve the Transfer Building/Load Out Area (Building Permit Number BLD2012-00065). Included with this packet is also the permit issued for Permit Number HOS2012-00016 which is for a 1500-gallon holding tank that will serve our house restroom (Building Permit Number BLD 2012-00063).

Attn: Wendy Miffin:

Enclosed are the on-site sewage disposal permit and the approved design for the holding tanks as referenced above. This design has been specifically prepared for your building site and illustrates how it must be installed. This disposal system must be constructed by an installer certified by this agency, or the owner/occupant of the proposed structure (WAC 246-272-13501). Please be sure to visibly post both copies of permits for HOS2012-00015 and HOS2012-00016. Be sure to share the entire contents of this envelope with the installer prior to the start of the installation.

If for some reason the system cannot be installed as shown, you must contact your designer and this office so that a revision or redesign can be submitted for review and approval. You must post the permit so that it can be clearly seen and is easily accessible. Be sure the designer and installer approves of the installation, signs, and dates both permit copies prior to calling the Yakima Health District for an inspection. Allow 3 working days lead time for inspection prior to backfilling anything. If you have any questions, please call 249-6530 any weekday between 8:30 a.m. and 5:00 p.m. Be sure to leave your name, message, and a phone number where you can be reached and your call will be returned as soon as possible.

Sincerely,

Cail A. Hack, EHS
Yakima Health District
YAKIMA HEALTH DISTRICT ON-SITE SEPTIC SYSTEM PERMIT
EMERGENCY SHOWER FOR HAZARDOUS HOUSEHOLD WASTE FACILITY
PERMIT # HOS2012-00015
Permit Must Be Posted On-site

Date Issued: February 23, 2012  Expiration Date: February 23, 2013

Parcel Number: 20110111002

Name: Yakima Co. Public Services Solid Waste

Location: 4970 CHEYNE ROAD IN ZILLAH, WA 98953

Issued By: Gail A. Hack, EHS
(For Yakima Health District)

ALL WORK SHALL BE DONE IN ACCORDANCE WITH YAKIMA HEALTH DISTRICT
REGULATIONS AND THE FOLLOWING ARE MINIMUM SPECIFICATIONS AS PER DESIGN:

HOLDING TANK Capacity (in gallons): 500

Pump Chamber Capacity (in gallons): NA

Type Of Laterals: NA

Drain field Area (in square feet): NA

Maximum Depth Of Trenches: NA

System Type: HOLDING TANK

HOLDING TANK CAPACITY OF 500 GALLONS WILL SERVE THE EMERGENCY SHOWER LOCATED IN THE
HAZARDOUS HOUSEHOLD WASTE FACILITY. NEED LABOR AND INDUSTRY REPORT VERIFYING APPROVAL
FOR ELECTRICAL INSTALLATION OF AUDIO/VISUAL PUMP ALARM FOR THE HOLDING TANK. NEED
ACCESS RISERS TO FINISHED GRADE ON TANK LID(S). MUST BE 10-FEET MINIMUM FROM WATERLINES.
NEED TO HAVE PUMPING CONTRACT FOR PROPER PUMPING AND DISPOSAL AS NEEDED AND ANY ROUTINE
MAINTENANCE THAT MAY BE REQUIRED.

SEE DESIGN PACKET FOR CONSTRUCTION DETAILS

Note: Any deviation from the approved design without prior approval by the Designer and Health District
may void this permit.

DO NOT COVER ANY PORTION OF SYSTEM WITHOUT APPROVAL OF THE
DESIGNER AND HEALTH DISTRICT
COVERING SYSTEM WITHOUT APPROVAL WILL VOID THIS PERMIT

I hereby certify this system was installed under my supervision and control and complies with all provisions of the
Yakima Health District regulations. I have complied with all the restrictions and recommendations as listed on the
design approved by the Yakima Health District.

Signature of Installer ___________________________ Date ___________________________

Installer Company Name (Please Print) ___________________________

Signature of Designer ___________________________ Date ___________________________

INSTALATION APPROVED ___________________________
(Sanitarian’s Signature) (Date)
February 21st, 2012

Att: Wendy Mifflin
YAKIMA COUNTY PUBLIC SERVICES SOLID WASTE
7151 Roza Hill Drive
Yakima, WA 98901

REF: Parcel #201101-11002: 322.55 acres located at 4970 Cheyne Road in Zillah, WA 98953 for Project #2008-00854. The permit issued under Permit Number HOS2012-00015 is for a 3000-gallon holding tank that will serve the Transfer Building Load Out Area (Building Permit Number BLD2012-00062). Included with this packet is also the permit issued for Permit Number HOS2012-00016 which is for a 1500-gallon holding tank that will serve scale house restroom (Building Permit Number BLD 2012-00063).

Attn: Wendy Mifflin:

Enclosed are the on-site sewage disposal permit and the approved design for the holding tanks as referenced above. This design has been specifically prepared for your building site and illustrates how it must be installed. This disposal system must be constructed by an installer certified by this agency, or the owner/occupant of the proposed structure (WAC 246-272-13501). Please be sure to visibly post both copies of permits for HOS2012-00015 and HOS2012-00016. Be sure to share the entire contents of this envelope with the installer prior to the start of the installation.

If for some reason the system cannot be installed as shown, you must contact your designer and this office so that a revision or redesign can be submitted for review and approval. You must post the permit so that it can be clearly seen and is easily accessible. Be sure the designer and installer approves of the installation, signs, and dates both permit copies prior to calling the Yakima Health District for an inspection. Allow 3 working days lead time for inspection prior to backfilling anything.

If you have any questions, please call 249-6530 any weekday between 8:30 a.m. and 5:00 p.m. Be sure to leave your name, message, and a phone number where you can be reached and your call will be returned as soon as possible.

Sincerely,

Gail A. Hack, EHS
Yakima Health District
YAKIMA HEALTH DISTRICT ON-SITE SEPTIC SYSTEM PERMIT
HOLDING TANK FOR SCALE HOUSE REST ROOMS
PERMIT # HOS2012-00016
Permit Must Be Posted On-site

Date Issued: February 21, 2012 Expiration Date: February 21, 2013

Parcel Number: 20110111002

Name: Yakima Co. Public Serves Solid Waste

Location: 4970 CHEYNE RD. - ZILLAH

Issued By: Gail A. Hack, EHS (For Yakima Health District)

ALL WORK SHALL BE DONE IN ACCORDANCE WITH YAKIMA HEALTH DISTRICT REGULATIONS AND THE FOLLOWING ARE MINIMUM SPECIFICATIONS AS PER DESIGN:

Holding Tank Capacity (in gallons): 1500

Pump Chamber Capacity (in gallons): NA

Type Of Laterals: NA

Drain field Area (in square feet): NA

Maximum Depth Of Trenches: NA

System Type: HOLDING TANK

HOLDING TANK CAPACITY OF 1500 GALLONS WILL SERVE SCALE HOUSE RESTROOMS. NEED LABOR AND INDUSTRY REPORT VERIFYING APPROVAL FOR ELECTRICAL INSTALLATION FOR AUDIO/VISUAL PUMP ALARM SERVICING THE HOLDING TANK. NEED ACCESS RISERS TO FINISHED GRADE ON TANK LID(S). MUST BE 10-FEET MINIMUM FROM WATERLINES. NEED TO HAVE PUMPING CONTRACT FOR PROPER PUMPING AND DISPOSAL AS NEEDED AND ANY ROUTINE MAINTENANCE THAT MAY BE REQUIRED.

SEE DESIGN PACKET FOR CONSTRUCTION DETAILS

Note: Any deviation from the approved design without prior approval by the Designer and Health District may void this permit.

DO NOT COVER ANY PORTION OF SYSTEM WITHOUT APPROVAL OF THE DESIGNER AND HEALTH DISTRICT

COVERING SYSTEM WITHOUT APPROVAL WILL VOID THIS PERMIT

I hereby certify this system was installed under my supervision and control and complies with all provisions of the Yakima Health District regulations. I have complied with all the restrictions and recommendations as listed on the design approved by the Yakima Health District.

Signature of Installer ___________________________ Date ___________________________

Installer Company Name (Please Print) ___________________________

Signature of Designer ___________________________ Date ___________________________

INSTALLATION APPROVED ___________________________

(Santaran’s Signature) (Date)
February 27, 2012

Wendy Mifflin
Yakima County Solid Waste
7151 Roza Hill Drive
Yakima, WA 98901

RE: Cheyne Landfill Transfer Station.

Ms. Mifflin:

The Yakima Health District has completed its review of the plans for the new Cheyne Landfill Transfer Station. We have also received concurrence from the Department of Ecology. The plans are substantially in compliance with WAC 173-350 and you are approved to begin construction of the Cheyne Landfill Transfer Station. Before we can approve the facility to operate, we will need an approved operations plan and a site inspection by the Yakima Health District. In addition to the solid waste requirements, the Group B Water System must receive approval before we can authorize you to operate.

This approval does not release this facility from complying with all other regulations, local, state or federal. If you have any questions, please call me at (509) 249-6562.

Sincerely,

Ted Silvestri, R.S.
Environmental Health Specialist

Cc: Washington State Department of Ecology
Building and Fire Safety
Fire Code Plan Review

2009 International Codes


Site Address: 4970 Cheyne Road  Zillah, WA 98953

Project Description: Construct new transfer station

Construction Type: II-B  Occ. Group: S-2  Area (sq.ft.): 12,513

Owner: Yakima County

We appreciate the opportunity to provide plan review services to you. The comments listed in this review are conditions for approval of the plans and specifications submitted. These comments shall be attached to the plans and, together, shall constitute the approved set of plans. The comments listed, along with the unaffected portion of the plans, must be complied with. The approved plans must not be changed, modified or altered without authorization from the building official.

Where the plans are incomplete or changed so as to require additional plan review, an additional plan review fee shall be charged at the rate of $80.30 per hour with a minimum charge of one half hour.

The following remarks must be addressed before the plan review can be completed. It is the responsibility of the permit applicant to make corrections and provide information required. Corrections must be shown on the plans in the form of drawings or written specifications as appropriate to show compliance with code requirements. Notes reading “as per code” or “as required” are not acceptable.

Review: 2/13/2012  1st Re-review 2/27/2012  2nd Re-review:

Project Coordinator  Suzanne D
Building Code Reviewer  Richard H  Fire Code Reviewer  Don L

FIRE CODE REVIEW COMMENTS: APPROVED

The International Fire and Building Codes are companion codes and are not intended to be used independently. The Building Code Plan Review has been reviewed in order to determine the scope of this project and identify the construction and occupancy classification, as well as other pertinent information.

The proposed project is for the construction of a new solid waste transfer station, type II-B construction, with an occupancy classification of S-2. Building material is all steel on a concrete slab/foundation, and does not require an automatic fire sprinkler system.

A  Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official. 506.1.1 Locks.

An approved lock shall be installed on gates or similar barriers when required by the fire code official. The operator of the building shall immediately notify the fire code official and provide the new key when a lock is changed or rekeyed. The key to such lock shall be secured in the key box. (2009 IFC, Section 506) If a key box/gate access is already provided to the Fire District, this comment does not
apply, otherwise obtain a key box form from Fire District #5, complete and return a signed copy.

B. Fire flow is addressed with the installation of a new water tank and Fire Department connection

C. Sheet O1E-01 shows two E1 lights (combination exit/emergency lighting), one each side of the building. Emergency lighting is provided overhead, the building is open across the front. Please clarify intent of these fixtures. *Re-Review 2/27/2012 – Approved as submitted, if onsite conditions indicate lighting is insufficient, additional egress lighting units will be required to be installed*

D. Portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies (2009 IFC, Section 906) Minimum fire extinguisher rating is 2A-10BC, located so maximum travel distance does not exceed 75 feet in any direction, mounting height maximum of 5 feet above finished floor and minimum of 4 inches above finished floor. Fire extinguisher location(s) will be verified at time of final inspection.

Please address the above fire code plan review comments on both sets of your plans and provide any additional required information.

After you have completed correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.
The following field verification comments need not be addressed on the plans before permit issuance. The field verification comments will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

**GENERAL FIRE CODE AND FIELD VERIFICATION COMMENTS:**

Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures or upon premises. Storage of combustible rubbish shall not produce conditions that will create a nuisance or a hazard to the public health, safety or welfare.

New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

Storage of combustibles must be a minimum of 2 feet from the ceiling in buildings without fire sprinklers and 18-inches in buildings with fire sprinklers. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms.

In all occupancies, quantities of flammable and combustible liquids in excess of 10 gallons used for maintenance purposes and the operation of equipment shall be stored in liquid storage cabinets in accordance with Section 3404.3.2. Quantities not exceeding 10 gallons are allowed to be stored outside of a cabinet when in approved containers located in private garages or other approved locations.

Separate permits are required for fire alarm systems, sprinkler systems, and hazardous materials tanks (LP-G, flammable liquids, ammonia).

Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International Codes or other laws and ordinances.

Work shall be constructed in accordance with the construction documents that have been reviewed and approved by the fire code plan reviewer. Changes or modifications shall not be made to the construction documents until those changes have been submitted to the fire code plan reviewer for review and such changes have been found to be in compliance with applicable codes, ordinances, and regulations.

This plan review covers Fire Code requirements ONLY. A separate Building Code and/or Urban Wildland Interface Code review may be required.

Permit applicant/agent: __________________________ Date: __________________________
RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, etc...) you are submitting for re-review in response to the fire code plan review comments. Failure to include this document could result in delay of fire code plan re-review.

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Site Address: 4970 Cheyne Road Zillah, WA 98953</td>
<td></td>
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<tr>
<td>Project Description: Construct new transfer station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Type: II-B</td>
<td>Occ. Group: S-2</td>
<td>Area (sq.ft.): 12,513</td>
</tr>
<tr>
<td>Owner: Yakima County</td>
<td></td>
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</tbody>
</table>

SUBMITTAL ITEMS:

Please list below the items submitted for re-review.

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Building and Fire Safety
Fire Code Plan Review

2009 International Codes

Case: FCP2012-0001          Project: PRJ2008-00854          Parcel #: 201236-33001

Site Address: 4970 Cheyne Road Zillah, WA 98953
Project Description: Construct new household hazardous waste facility

Construction Type: II-B          Occ. Group: S-2          Area (sq.ft.): 925
Owner: Yakima County

We appreciate the opportunity to provide plan review services to you. The comments listed in this review are conditions for approval of the plans and specifications submitted. These comments shall be attached to the plans and, together, shall constitute the approved set of plans. The comments listed, along with the unaffected portion of the plans, must be complied with. The approved plans must not be changed, modified or altered without authorization from the building official.

Where the plans are incomplete or changed so as to require additional plan review, an additional plan review fee shall be charged at the rate of $77.55 per hour with a minimum charge of one half hour.

The following remarks must be addressed before the plan review can be completed. It is the responsibility of the permit applicant to make corrections and provide information required. Corrections must be shown on the plans in the form of drawings or written specifications as appropriate to show compliance with code requirements. Notes reading “as per code” or “as required” are not acceptable.

Review: 2/13/2012

1st Re-review:

Project Coordinator: Suzanne D
Building Code Reviewer: Richard H

2nd Re-review:

Fire Code Reviewer: Don L

FIRE CODE REVIEW COMMENTS:

The International Fire and Building Codes are companion codes and are not intended to be used independently. The Building Code Plan Review has been reviewed in order to determine the scope of this project and identify the construction and occupancy classification, as well as other pertinent information.

The proposed project is for the construction of a new solid waste transfer station, type II-B construction, with an occupancy classification of S-2. Building material is all steel on a concrete slab/foundation, and does not require an automatic fire sprinkler system.

A. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official. 506.1.1 Locks.

An approved lock shall be installed on gates or similar barriers when required by the fire code official. The operator of the building shall immediately notify the fire code official and provide the new key when a lock is changed or rekeyed. The key to such lock shall be secured in the key box. (2009 IFC, Section 506) If a key box/gate access is already provided to the Fire District, this comment does not
apply, otherwise obtain a key box form from Fire District #5, complete and return a signed copy
B Fire flow is addressed with the installation of a new water tank and Fire Department connection
C Sheet 01E-01 shows two E1 lights (combination exit/emergency lighting), one each side of the building. Emergency lighting is provided overhead, the building is open across the front. Please clarify intent of these fixtures
D Portable fire extinguishers shall be installed in the following locations
1 In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies (2009 IFC, Section 906) Minimum fire extinguisher rating is 40BC, located so maximum travel distance does not exceed 75 feet in any direction, mounting height maximum of 5 feet above finished floor and minimum of 4 inches above finished floor. Fire extinguisher location/s will be verified at time of final inspection

Please address the above fire code plan review comments on both sets of your plans and provide any additional required information.
After you have completed correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.
The following field verification comments need not be addressed on the plans before permit issuance. The field verification comments will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

**GENERAL FIRE CODE AND FIELD VERIFICATION COMMENTS:**

Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures or upon premises. Storage of combustible rubbish shall not produce conditions that will create a nuisance or a hazard to the public health, safety or welfare.

New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

Storage of combustibles must be a minimum of 2 feet from the ceiling in buildings without fire sprinklers and 18-inches in buildings with fire sprinklers. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms.

In all occupancies, quantities of flammable and combustible liquids in excess of 10 gallons used for maintenance purposes and the operation of equipment shall be stored in liquid storage cabinets in accordance with Section 3404.3.2. Quantities not exceeding 10 gallons are allowed to be stored outside of a cabinet when in approved containers located in private garages or other approved locations.

Separate permits are required for fire alarm systems, sprinkler systems, and hazardous materials tanks (LP-G, flammable liquids, ammonia).

Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International Codes or other laws and ordinances.

Work shall be constructed in accordance with the construction documents that have been reviewed and approved by the fire code plan reviewer. Changes or modifications shall not be made to the construction documents until those changes have been submitted to the fire code plan reviewer for review and such changes have been found to be in compliance with applicable codes, ordinances, and regulations.

This plan review covers Fire Code requirements ONLY. A separate Building Code and/or Urban Wildland Interface Code review may be required.

Permit applicant/agent: ___________________________ Date: ___________________________
RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, etc...) you are submitting for re-review in response to the fire code plan review comments. Failure to include this document could result in delay of fire code plan re-review.

<table>
<thead>
<tr>
<th>Case:</th>
<th>FCP2012-00017</th>
<th>Project:</th>
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<th>Parcel #:</th>
<th>201236-33001</th>
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<tr>
<td>Site Address:</td>
<td>4970 Cheyne Road, Zillah, WA 98953</td>
<td>Project Description:</td>
<td>Construct new household hazardous waste facility</td>
<td>Construction Type:</td>
<td>II-B</td>
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<td>Occ. Group:</td>
<td>S-2</td>
<td>Area (sq.ft.):</td>
<td>925</td>
<td>Owner:</td>
<td>Yakima County</td>
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**SUBMITTAL ITEMS:**

Please list below the items submitted for re-review.

________________________________________________________________________________________
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Building and Fire Safety
Fire Code Plan Review
2009 International Codes

Case: FCP2012-00016  Project: PRJ2008-00854  Parcel #: 201236-33001
Site Address: 4970 Cheyne Road  Zillah, WA 98953
Project Description: Construct new single-family house
Construction Type: V-B  Occ. Group: B  Area (sq.ft.): 296
Owner: Yakima County

We appreciate the opportunity to provide plan review services to you. The comments listed in this review are
conditions for approval of the plans and specifications submitted. These comments shall be attached to the
plans and, together, shall constitute the approved set of plans. The comments listed, along with the unaffected
portion of the plans, must be complied with. The approved plans must not be changed, modified or altered
without authorization from the building official.

Where the plans are incomplete or changed so as to require additional plan review, an additional plan
review fee shall be charged at the rate of $77.55 per hour with a minimum charge of one half hour.

The following remarks must be addressed before the plan review can be completed. It is the
responsibility of the permit applicant to make corrections and provide information required. Corrections
must be shown on the plans in the form of drawings or written specifications as appropriate to show compliance
with code requirements. Notes reading "as per code" or "as required" are not acceptable.

Review: 2/13/2012  1st Re-review  2nd Re-review:
Project Coordinator: Suzanne D
Building Code Reviewer: Richard H  Fire Code Reviewer: Don L.

FIRE CODE REVIEW COMMENTS: APPROVED
The International Fire and Building Codes are companion codes and are not intended to be used independently.
The Building Code Plan Review has been reviewed in order to determine the scope of this project and identify
the construction and occupancy classification, as well as other pertinent information.

The proposed project is for the construction of a new solid waste transfer station, type II-B construction, with
an occupancy classification of S-2. Building material is all steel on a concrete slab/foundation, and does not
require an automatic fire sprinkler system.

A. Where access to or within a structure or an area is restricted because of secured openings or where
immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is
authorized to require a key box to be installed in an approved location. The key box shall be of an
approved type and shall contain keys to gain necessary access as required by the fire code official.
506.1.1 Locks.
An approved lock shall be installed on gates or similar barriers when required by the fire code official.
The operator of the building shall immediately notify the fire code official and provide the new key
when a lock is changed or rekeyed. The key to such lock shall be secured in the key box. (2009 IFC,
Section 506) If a key box/gate access is already provided to the Fire District, this comment does not
apply, otherwise obtain a key box form from Fire District #5, complete and return a signed copy

B Fire flow is addressed with the installation of a new water tank and Fire Department connection

C Portable fire extinguishers shall be installed in the following locations

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies (2009 IFC, Section 906) Minimum fire extinguisher rating is 2A-10BC, located so maximum travel distance does not exceed 75 feet in any direction, mounting height maximum of 5 feet above finished floor and minimum of 4 inches above finished floor. Please provide a fire extinguisher in the main office area and one in the electrical room. Fire extinguisher location/s will be verified at time of final inspection

Please address the above fire code plan review comments on both sets of your plans and provide any additional required information.

After you have completed correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.
The following field verification comments need not be addressed on the plans before permit issuance. The field verification comments will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

**GENERAL FIRE CODE AND FIELD VERIFICATION COMMENTS:**

Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures or upon premises. Storage of combustible rubbish shall not produce conditions that will create a nuisance or a hazard to the public health, safety or welfare.

New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

Storage of combustibles must be a minimum of 2 feet from the ceiling in buildings without fire sprinklers and 18-inches in buildings with fire sprinklers. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms.

In all occupancies, quantities of flammable and combustible liquids in excess of 10 gallons used for maintenance purposes and the operation of equipment shall be stored in liquid storage cabinets in accordance with Section 3404.3 2. Quantities not exceeding 10 gallons are allowed to be stored outside of a cabinet when in approved containers located in private garages or other approved locations.

Separate permits are required for fire alarm systems, sprinkler systems, and hazardous materials tanks (LP-G, flammable liquids, ammonia).

Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International Codes or other laws and ordinances.

Work shall be constructed in accordance with the construction documents that have been reviewed and approved by the fire code plan reviewer. Changes or modifications shall not be made to the construction documents until those changes have been submitted to the fire code plan reviewer for review and such changes have been found to be in compliance with applicable codes, ordinances, and regulations.

This plan review covers Fire Code requirements ONLY. A separate Building Code and/or Urban Wildland Interface Code review may be required.

Permit applicant/agent. _____________________________ Date: _____________________________
RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, etc...) you are submitting for re-review in response to the fire code plan review comments. Failure to include this document could result in delay of fire code plan re-review.

<table>
<thead>
<tr>
<th>Case: FCP2012-00016</th>
<th>Project: PRJ2008-00854</th>
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<tr>
<td>Site Address: 4970 Cheyne Road  Zillah, WA 98953</td>
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<tr>
<td>Project Description: Construct new scale house</td>
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<tr>
<td>Construction Type: V-B</td>
<td>Occ. Group: B</td>
<td>Area (sq.ft.): 296</td>
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<td>Owner: Yakima County</td>
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**SUBMITTAL ITEMS:**

Please list below the items submitted for re-review.

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<tr>
<th>Item 1</th>
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<tbody>
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<td>Item 2</td>
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PRINTED 02/28/12
Building and Fire Safety
Fire Code Plan Review

2009 International Codes

Case: FCP2012-00023  Project: PRJ2008-00854  Parcel #: 201236-33001

Site Address: 4970 Cheyne Road  Zillah, WA  98953

Project Description: Construct new well pump shed

Construction Type: V-B  Occ. Group: S-2  Area (sq.ft.): 96

Owner: Yakima County

We appreciate the opportunity to provide plan review services to you. The comments listed in this review are conditions for approval of the plans and specifications submitted. These comments shall be attached to the plans and, together, shall constitute the approved set of plans. The comments listed, along with the unaffected portion of the plans, must be complied with. The approved plans must not be changed, modified or altered without authorization from the building official.

Where the plans are incomplete or changed so as to require additional plan review, an additional plan review fee shall be charged at the rate of $77.55 per hour with a minimum charge of one half hour.

The following remarks must be addressed before the plan review can be completed. It is the responsibility of the permit applicant to make corrections and provide information required. Corrections must be shown on the plans in the form of drawings or written specifications as appropriate to show compliance with code requirements. Notes reading “as per code” or “as required” are not acceptable.

Review 2/13/2012  1st Re-review  2nd Re-review:
Project Coordinator  Suzanne D.
Building Code Reviewer  Richard H.  Fire Code Reviewer  Don L

FIRE CODE REVIEW COMMENTS:

The International Fire and Building Codes are companion codes and are not intended to be used independently. The Building Code Plan Review has been reviewed in order to determine the scope of this project and identify the construction and occupancy classification, as well as other pertinent information.

The proposed project is for the construction of a new solid waste transfer station, type II-B construction, with an occupancy classification of S-2. Building material is all steel on a concrete slab/foundation, and does not require an automatic fire sprinkler system.

A Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official. 506.1.1 Locks.

An approved lock shall be installed on gates or similar barriers when required by the fire code official. The operator of the building shall immediately notify the fire code official and provide the new key when a lock is changed or rekeyed. The key to such lock shall be secured in the key box. (2009 IFC, Section 506) If a key box/gate access is already provided to the Fire District, this comment does not
apply, otherwise obtain a key box form from Fire District #5, complete and return a signed copy
B. Fire flow is addressed with the installation of a new water tank and Fire Department connection
C. Sheet O1E-01 shows two E1 lights (combination exit/emergency lighting), one each side of the
   building. Emergency lighting is provided overhead, the building is open across the front. Please
   clarify intent of these fixtures
D. Portable fire extinguishers shall be installed in the following locations
   1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies (2009 IFC,
      Section 906) Minimum fire extinguisher rating is 2A-10BC, located so maximum travel distance
      does not exceed 75 feet in any direction, mounting height maximum of 5 feet above finished floor
      and minimum of 4 inches above finished floor. Fire extinguisher location/s will be verified at time
      of final inspection

Please address the above fire code plan review comments on both sets of your plans and provide any
additional required information.

After you have completed correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW
INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL
INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE
DOCUMENT.
The following field verification comments need not be addressed on the plans before permit issuance. The field verification comments will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

**GENERAL FIRE CODE AND FIELD VERIFICATION COMMENTS:**

Combustible waste material creating a fire hazard shall not be allowed to accumulate in buildings or structures or upon premises. Storage of combustible rubbish shall not produce conditions that will create a nuisance or a hazard to the public health, safety or welfare.

New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

Storage of combustibles must be a minimum of 2 feet from the ceiling in buildings without fire sprinklers and 18-inches in buildings with fire sprinklers. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms.

In all occupancies, quantities of flammable and combustible liquids in excess of 10 gallons used for maintenance purposes and the operation of equipment shall be stored in liquid storage cabinets in accordance with Section 3404 3.2. Quantities not exceeding 10 gallons are allowed to be stored outside of a cabinet when in approved containers located in private garages or other approved locations.

Separate permits are required for fire alarm systems, sprinkler systems, and hazardous materials tanks (LP-G, flammable liquids, ammonia).

Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International Codes or other laws and ordinances.

Work shall be constructed in accordance with the construction documents that have been reviewed and approved by the fire code plan reviewer. Changes or modifications shall not be made to the construction documents until those changes have been submitted to the fire code plan reviewer for review and such changes have been found to be in compliance with applicable codes, ordinances, and regulations.

This plan review covers Fire Code requirements ONLY. A separate Building Code and/or Urban Wildland Interface Code review may be required.

Permit applicant/agent: ____________________________ Date: ____________________________
RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, etc...) you are submitting for re-review in response to the fire code plan review comments. Failure to include this document could result in delay of fire code plan re-review.

<table>
<thead>
<tr>
<th>Case: FCP2012-0002</th>
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<tr>
<td>Site Address: 4970 Cheyne Road Zillah, WA 98953</td>
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<tr>
<td>Construction Type: V-B</td>
<td>Occ. Group: S-2</td>
<td>Area (sq.ft.): 96</td>
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**SUBMITTAL ITEMS:**

Please list below the items submitted for re-review.

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<thead>
<tr>
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PRINTED 02/28/12
Yakima County Building and Fire Safety
Non-Residential Building Code Plan Review

2009 International Codes

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<td>Construction Type:</td>
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<td>&quot;S-2&quot;</td>
<td>Area (sq. ft.):</td>
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<td>Owner:</td>
<td>Yakima County Public Services [Solid Waste Division]</td>
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The corrections listed in this review are conditions for approval of the building plans and specifications submitted. These corrections shall be attached to the plans and together shall constitute the approved set of plans. The corrections listed, along with the unaffected portion of the plans, must be complied with. The approved plans must not be changed, modified, or altered without authorization from the building official. (2009 IBC, Section 107.4)

Where the plans are incomplete or changed so as to require additional plan review, an additional plan review fee shall be charged at a rate of $80.30 per hour with a minimum charge of one half hour. (2009 IBC, Section 109.2)

The following remarks must be addressed before the plan review can be completed. It is the responsibility of the permit applicant to make the corrections and provide the information required. Corrections must be shown on the plans in the form of drawings or written specifications as appropriate to show compliance with code requirements. Notes reading “as per code” or “as required” are not acceptable. (2009 IBC, Section 107)

Applications for permits expire by limitation if permits have not been issued within 180 days following the date that the application is determined to be complete. (2009 IBC, Section 105.3.2)

I appreciate the opportunity to provide plan review services to you. I offer the following as my comments:

<table>
<thead>
<tr>
<th>Review</th>
<th>02/10/2012</th>
<th>1st Re-review</th>
<th>03/05/2012</th>
<th>2nd Re-review</th>
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<tr>
<td>Project Coordinator</td>
<td>Marvel G</td>
<td>Plan Reviewer</td>
<td>Richard H</td>
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REVIEW COMMENTS:

"NOT APPROVED"

APPLICABLE CODES:
BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed is a non-sprinklered, fully engineered, manufactured steel-framed structure. The structure is composed of a manufactured steel frame set on concrete footings. At the east end there is a there is a 1,332sf lower level where the dump trailer is located. At the upper level, the structure is open one side [west]. At the lower level there are overhead doors at each end to provide drive through access. The structure is to be used as a transfer building where the public dumps the garbage, a loader pushes the garbage into a trailer parked in a lower level and when full, a truck will haul the trailer to the landfill to be emptied.

Use And Occupancy Classification (2009 IBC, Chapter 3)
Group “S-2” Low-hazard storage (2009 IBC, Section 311.3)

Types Of Construction (2009 IBC, Chapter 6):
Type "II-B" [those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code] (2009 IBC, Section 602.2)

Allowable Building Heights And Areas (2009 IBC, Table 503):
Group “S-2” / Type “II-B” [unprotected] 35' tall / 3-stories / 26,000sf per story

Actual Building Heights And Areas:
38’ tall / 1-story / 12,514sf

Fire-Resistance Rating Requirements For Building Elements [hours] (2009 IBC, Table 601):
Type “II-B” [unprotected] Construction: All building elements = 0-hours

Fire-Resistance Rating Requirements For Exterior Walls Based On Separation Distance Of ≥ 30’ (2009 IBC, Table 602):
Group “S-2” / Type “II-B” [unprotected] 0-hours

Occupant Load [gress] (2009 IBC, Table 1004.1.1):
25 total occupants [12.514sf / 500 gross square feet per occupant (warehouses) = 25 occupants]

Occupant Load [plumbing] (2009 IBC, Table 2902.1):
3 total occupants [12.514sf / 5000 gross square feet per occupant (warehouses) = 2.5 occupants. Round-up to nearest whole = 3 occupants]

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1. Plans, details and sections indicate this building is a manufactured, pre-engineered, steel-framed structure with metal siding. If so, please provide two copies manufacturer’s plans, details, sections, and design calculations for the metal building. (2009 IBC, Section 107.1) / 03/05/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #4 The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information. The building permit can-not be issued until after all deferred submittal items have been received, the plan review completed and approved.

2. Please have the project engineer specify the required special inspections on the special inspection agreement. Please sign, where highlighted, and return the enclosed Special Inspection Agreement. (2009 IBC, Sections 106.1, 107.1, 110.4, 1702 and 1704) / 03/05/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #2 The contractor is to complete and submit the required Special Inspection and Testing Agreement with the tank design information approximately 6-weeks after notice to proceed.

3. Sheet 00C-07 shows an exterior stair loading from the level of the HHW building to the Scale House level. Detail 2 / Sheet 00C-25 shows an elevation of the Recycling Stair with little or no actual dimensional sizing of the stair and handrail. Please provide on the plans, drawn to scale, stair plans and section details including tread depth and riser height. If the stairs are to be manufactured, please provide code compliant stair shop drawings from the manufacturer. (2009 IBC, Sections 1002 and 1009) / 03/05/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #4 The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information.

4. Sheet 00C-07 shows an exterior stair loading from the level of the HHW building to the Scale House level. Detail 2 / Sheet 00C-25 shows an elevation of the Recycling Stair with little or no actual dimensional sizing of the stair and handrail. Please provide on the plans, drawn to scale handrail details, sections and elevations which detail the required handrail extensions. If the stairs are to be manufactured, please provide
code compliant stair shop drawings from the manufacturer detailing the handrails on each side of the stair. (2009 IBC, Sections 1002, 1009.12, and 1012) / 03/05/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #4 The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information.

Sheet 00C-07 shows an exterior stair landing from the level of the HHW building to the Scale House level. Detail 2 / Sheet 00C-25 shows an elevation of the Recycling Stair with little or no actual dimensional sizing of the stair and handrail. If applicable, please provide on the plans, drawn to scale guard details, sections and elevations. If the stairs are to be manufactured, if applicable, please provide code compliant stair shop drawings from the manufacturer detailing the guards on each side of the stair. (2009 IBC, Sections 1002 and 1013) / 03/05/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #4 The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information.

Please address the above “HIGHLIGHTED” building plan review comments on both sets of your plans and provide any additional required information.

After you have finished correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.

The following field verification comments below need not be addressed on the plans before permit issuance. The field verification comments below will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

FIELD VERIFICATION COMMENTS:

A. Please ensure door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 shall not require tight grasping, tight pinching or twisting of the wrist to operate (2009 IBC, Section 1008.1.9.1 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

B. Please ensure door handles, pulls, latches, locks and other operating devices shall be installed 34” inches minimum and 48” inches maximum above the finished floor. Locks used only for security purposes and not used for normal operation are permitted at any height. (2009 IBC, Section 1008.1.9.2 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

C. Please ensure manually operated control switches shall be placed 32” inches minimum and 40” inches maximum above the floor. Additionally, please ensure the clear floor space adjacent to the control switch is located beyond the arc of the door swing and centered on the control switch. (2009 IBC, Sections 1101.2.10 [WA. State Amendment] and 1109.12 and ICC/ANSI A117.1-2003, Sections 309 and 404.3.5)
Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International codes or other laws and ordinances.

Work shall be constructed in accordance with the construction documents that have been reviewed and approved by the building official. Changes or modifications shall not be made to the construction documents until those changes or modifications have been submitted to the building official for review and such changes have been found to be in compliance with applicable construction regulations and codes.

| Permit applicant/agent: | Date |

Yakima County ensures full compliance with Title VI of the Civil Rights Act of 1964 by prohibiting discrimination against any person on the basis of race, color, nation origin, or sex in the provision of benefits and services resulting from its federally assisted programs and activities. For questions regarding Yakima County’s Title VI Program, you may contact the Title VI Coordinator at 509-574-2300.

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# RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, trusses, truss layout etc...) you are submitting for re-review in response to the building plan review comments. Failure to include this document could result in delay of building plan re-review.

<table>
<thead>
<tr>
<th>Project Coordinator:</th>
<th>Manvel G</th>
<th>Plan Reviewer:</th>
<th>Richard H</th>
</tr>
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<tbody>
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<td><strong>Project:</strong></td>
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<td><strong>Site Address:</strong></td>
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<td><strong>Owner:</strong></td>
<td>Yakima County Public Services [Solid Waste Division]</td>
<td></td>
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## SUBMITTAL ITEMS:

Please list below the items submitted for re-review.

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Yakima County Building and Fire Safety
Non-Residential Building Code Plan Review
2009 International Codes

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<tr>
<td>02/13/2012</td>
<td>Marivel G</td>
<td>03/05/2012</td>
<td>Richard H</td>
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**REVIEW COMMENTS:**

**APPLICABLE CODES:**

BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed project is a non-sprinklered, wood-framed, structure with single-slope, wood-framed shed-type roof to be used as a scale house for the new scales. Inside there is a control room, break room and accessible restroom. In addition, there is a storage room and electrical room both accessed from the exterior.

The building is to be fully accessible to persons in wheelchairs.

Use And Occupancy Classification (2009 IBC, Chapter 3).
Group “B” [business group] (2009 IBC, Section 304.1)
Types Of Construction (2009 IBC, Chapter 6).
Type “V” [that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code] (2009 IBC, Section 602.5)
Allowable Building Heights And Areas (2009 IBC, Table 503):
Group “B” / Type “V-B” [unprotected] 40’ tall / 2-stories / 9,000 sf per story
Actual Building Heights And Areas:
12’± tall / 1-story / 296sf
Fire-Resistance Rating Requirements For Building Elements [hours] (2009 IBC, Table 601):
Type “V-B” [unprotected] Construction All building elements = 0-hours
Fire-Resistance Rating Requirements For Exterior Walls Based On Separation Distance Of ≥ 30’ (2009 IBC, Table 602):
Group “B” / Type “V-B” [unprotected] 0-hours
Occupant Load [egress] (2009 IBC, Table 1004.1.1):
3 total occupants [296sf / 100 gross square feet (business) per occupant = 2.96 occupants Round-up to nearest whole = 3 occupants]
Occupant Load [plumbing] (2009 IBC, Table 2902.1)
2 total occupants [296sf / 200 square feet per occupant = 1.48 occupants Round-up to nearest whole = 2 occupants]
Provided Toilet fixtures: 1-water closet and 1-lavatory in unisex accessible toilet room for new scale house, transfer station and household hazardous waste building. The provided fixtures are adequate to accommodate the employees in the new facility.

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1 The suspended acoustical ceiling requires professional design in compliance with the 2009 IBC, Sections 803.9, 808 and 1613, ASCE 7-05, Section 13.5.6, ASTM C 635, ASTM C 636-04 and CISCA Guidelines for Seismic Restraint for Direct Hung Suspended Ceiling Assemblies (www.CISCA.org) Please provide complete installation drawings for the suspended acoustical ceiling. An alternative would be to contact the Northwest Wall and Ceiling Bureau at 800-524-4215 (www.nwcb.org) for their technical reports #401 (Suspension Systems for Acoustical Lay-In Ceilings) and #200-501 (Interior Non-Load Bearing Partition Option). Those two documents are approved for use as installation guidelines in Seismic Design Categories C, D0 and D1 in Yakima County / 03/05/2012 1st Re-Review – This comment has not been addressed. However, I have provided copies of Technical Report #401 “Suspension Systems for Acoustical Lay-In Ceilings” and ICC-ES Evaluation Report #ESR-1308 addressing “BERC” and “BERC2” clips as alternates for Technical Report #401.
2 In order to verify the toilet room is the correct size, please provide on the floor plan the required minimum 60”w x 56”dp clear floor space at the water closet. Plumbing fixtures such as lavatories are not permitted to encroach the clear floor space. If the toilet room is inadequate, please adjust the room size as required (ICC/ANSI A117.1-2003, Sections 604.3.1 and 604.3.2) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012.
3 Code locates toilet dispensers from the front of the rim of the water closet to the center-line of the dispenser. The fixture elevations on sheet 02A-12 locates from the back wall. Please revise the detailing to locate the toilet paper dispenser as shown in the figure. (ICC/ANSI A117.1-2003, Sections 604.7 and Figure 604.7) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012.
4 In order to verify the toilet room is the correct size, please provide on the floor plan the required minimum 30”w x 48”dp clear floor space at the lavatory. Plumbing fixtures such as lavatories are not permitted to
encroach the clear floor space. If the toilet room is inadequate, please adjust the room size as required (ICC/ANSI A117.1-2003, Sections 606.2 and 305.3) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012

5 In other than dwelling units, code requires toilet room floor finish materials are to have a smooth, hard, nonabsorbent surface. The intersections of such floors with walls shall have a smooth, hard, nonabsorbent vertical base that extends upward onto the walls at least 4”. The room finish schedule specifies VCT flooring. However, the schedule does not address the base material. Please add base material to room finish schedule. (2009 IBC, Section 1210.1) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012

6 Code requires walls and partitions within 2’ of urinals and water closets are to have a smooth, hard, non-absorbent surface [other than epoxy paint], to a height of 4’ above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture. In addition, accessories such as grab bars, towel bars, paper dispensers and soap dishes, provided on or within walls, are to be installed and sealed to protect structural elements from moisture. Please specify in the room finish schedule the materials used, height on wall and specify the walls which are to have the wainscoting material applied in the toilet room. For walls and partitions also see Section 2903 Surrounding Materials. Walls and partitions (2009 IBC, Section 1210.2) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012

7 Please specify the required safety glazing in the window schedule for window #W-3 adjacent to door #02-101 (2009 IBC, Section 2406.4 #3) / 03/05/2012 1st Re-Review – This comment is addressed on the revised plans received 02/22/2012

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FIELD VERIFICATION COMMENTS:

A Please ensure door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 shall not require tight grasping, tight pinching or twisting of the wrist to operate (2009 IBC, Section 1008.19.1 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

B Please ensure door handles, pulls, latches, locks and other operating devices shall be installed 34” inches minimum and 48” inches maximum above the finished floor. Locks used only for security purposes and not used for normal operation are permitted at any height (2009 IBC, Section 1008.19.2 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

C Please ensure manually operated control switches shall be placed 32” inches minimum and 40” inches maximum above the floor. Additionally, please ensure the clear floor space adjacent to the control switch is located beyond the arc of the door swing and centered on the control switch (2009 IBC, Sections 1101.2.10 [WA. State Amendment] and 1109.12 and ICC/ANSI A117.1-2003, Sections 309 and 404.3.5)
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Yakima County Building and Fire Safety
Non-Residential Building Code Plan Review

2009 International Codes

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<tr>
<td>Project Description:</td>
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<tr>
<td>Construction Type:</td>
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<td>Occ. Group:</td>
<td>“S-1”</td>
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<th>Review:</th>
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<th>1st Re-review</th>
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<th>2nd Re-review</th>
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<tbody>
<tr>
<td>Project Coordinator:</td>
<td>Marivel G.</td>
<td></td>
<td>Plan Reviewer.</td>
<td>Richard H</td>
</tr>
</tbody>
</table>

**REVIEW COMMENTS:**

"NOT APPROVED"

**APPLICABLE CODES:**

BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed is a non-sprinklered, fully engineered steel-framed structure. The structure is composed of tube steel posts, roof-framing and metal decking. The structure is open on all sides. However, it is enclosed by an open chain-link fence with a sliding gate on one side. The structure is to be used as a temporary storage facility for household wastes such as oils, paints, batteries, insecticides, etc.

The facility is designed and intended for Yakima County Employee use only. There is to be no public access. The facility as designed allows persons with disabilities to approach, enter and exit (09IBC, S 1103 2 3)

Use And Occupancy Classification (2009 IBC, Chapter 3):
Group “S-1” Moderate-hazard storage (2009 IBC, Section 311 2)
Types Of Construction (2009 IBC, Chapter 6).
Type “II-B” [that type of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code] (2009 IBC, Section 602 2)
Allowable Building Heights And Areas (2009 IBC, Table 503):
Group “S-1” / Type “II-B” [unprotected] 55’ tall / 2-stories / 17,500sf per story
Actual Building Heights And Areas:
14’ ± tall / 1-story / 924sf
Fire-Resistance Rating Requirements For Building Elements [hours] (2009 IBC, Table 601):
Type “II-B” [unprotected] Construction All building elements = 0-hours
Fire-Resistance Rating Requirements For Exterior Walls Based On Separation Distance Of ≥ 30’ (2009 IBC, Table 602):
Group “S-1” / Type “II-B” 0-hours
Occupant Load [gress] (2009 IBC, Table 1004.1.1):
4 occupants [924sf / 300 gross square feet per occupant (accessory storage areas) = 3.08 occupants Round-up to nearest whole = 4 total occupants]
Occupant Load [plumbing] (2009 IBC, Table 1004.1.1):
1 occupant [924sf / 5000 gross square feet per occupant (accessory storage areas) = .18 occupants Round-up to nearest whole = 1 total occupant]

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1. Sheet 00C-06 shows an exterior stair loading from the level of the HHW building to the Scale House level. Detail 1 / Sheet 00C-25 shows an elevation of the Recycling Stair with little or no actual dimensional sizing of the stair and handrail. Please provide on the plans, drawn to scale, stair plans and section details including tread depth and riser height. If the stairs are to be manufactured, please provide code compliant stair shop drawings from the manufacturer. (2009 IBC, Sections 1002 and 1009) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #5. The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information. The building permit can not be issued until after all deferred submittal items have been received, the plan review completed and approved.

2. Sheet 00C-06 shows an exterior stair loading from the level of the HHW building to the Scale House level. Detail 1 / Sheet 00C-25 shows an elevation of the Recycling Stair with little or no actual dimensional sizing of the stair and handrail. Please provide on the plans, drawn to scale handrail details, sections and elevations which detail the required handrail extensions. If the stairs are to be manufactured, please provide code compliant stair shop drawings from the manufacturer detailing the handrails on each side of the stair. (2009 IBC, Sections 1002, 1009.12 and 1012) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #5. The contractor is to submit the required design information approximately 7-weeks after notice to proceed. The plan review will be completed after receipt of design information.

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Please address the above “HIGHLIGHTED” building plan review comments on both sets of your plans and provide any additional required information. After you have finished correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.

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<td>Owner:</td>
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Non-Residential Building Code Plan Review

2009 International Codes

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REVIEW COMMENTS: [APPROVED]

APPLICABLE CODES:
BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed project is an engineered, concrete, footing and foundation for a vehicle scale. The footprint measures 12'± wide x 84'± long.

Use And Occupancy Classification (2009 IBC, Chapter 3):
Group "B" Business group [accessory to scale house] (2009 IBC, Section 304.1)

Types Of Construction (2009 IBC, Chapter 6):
Type "V" [that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code] (2009 IBC, Section 602.5)

Allowable Building Heights And Areas (2009 IBC, Table 503):
Group "B" / Type "V-B" [unprotected] 40' tall / 2-stories / 9,000sf per story

Actual Building Heights And Areas:
N/A [set into ground] tall / N/A -story / 1,008±sf [footprint]

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1. The Scale Foundation Engineering, Pages 80-104 appear to have not been included with engineering submittal package. Please provide two copies of pages 80-104 for review (2009 IBC, Section 107.1) / 03/02/2012 1st Re-Review – This comment is addressed with engineering calculations received 02/22/2012

Yakima County does not warrant that plans and specifications reviewed and approved by it are free from errors or in compliance with the International Codes or other ordinances of this jurisdiction. The issuance of a permit based upon plans and specifications shall not prevent the County from thereafter requiring compliance with the International codes or other laws and ordinances.

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Yakima County Building and Fire Safety
Non-Residential Building Code Plan Review

2009 International Codes

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<td>Construction Type:</td>
<td>&quot;V-B&quot;</td>
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"APPROVED"

**APPLICABLE CODES:**

BUILDING PLAN REVIEW PROJECT NARRATIVE:
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PRINTED 03/02/12
Yakima County Building and Fire Safety  
Non-Residential Building Code Plan Review  

2009 International Codes

| Building Case: | BLD2012-00076 | Project: | PRJ2008-00854 |
| Parcel Number: | 201236-33001 and 201101-11002 |
| Site Address: | [To Be Determined] Cheyne Rd |
| Project Description: | Well Pump House |
| Construction Type: | "V-B" | Occ. Group: | "U" |
| Area (sq. ft.): | 96sf |
| Owner: | Yakima County Public Services [Solid Waste Division] |

The corrections listed in this review are conditions for approval of the building plans and specifications submitted. These corrections shall be attached to the plans and together shall constitute the approved set of plans. The corrections listed, along with the unaffected portion of the plans, must be complied with. The approved plans must not be changed, modified, or altered without authorization from the building official. (2009 IBC, Section 107.4)

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| Review | 02/07/2012 | 1st Re-review | 03/02/2012 | 2nd Re-review |
| Project Coordinator | Marvel G. | Plan Reviewer | Richard H |

**REVIEW COMMENTS:**  
"NOT APPROVED"

**APPLICABLE CODES:**  
BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed project is a non-sprinklered, wood-framed, unfinished single-story structure to be used as a well pump house. The building measures 8\textquotesingle w x 12\textquotesingle l x 10\textquotesingle 8\textquotesingle h to the ridge. According to the building plans, the structure is a "kit-type" storage building manufactured by Tuff-Shed.

Use And Occupancy Classification (2009 IBC, Chapter 3):
Group "II" Utility and miscellaneous [sheds, tanks etc] (2009 IBC, Section 312.1)

Types Of Construction (2009 IBC, Chapter 6):
Type "V" [that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code] (2009 IBC, Section 602.5)

Allowable Building Heights And Areas (2009 IBC, Table 503):
Group "II" / Type "V-B" [unprotected] 40\textquotesingle tall / 1-stories / 5,500sf per story

Actual Building Heights And Areas:
41\textquotesingle tall / 1-story / 98sf

Fire-Resistance Rating Requirements For Building Elements [hours] (2009 IBC, Table 601):
Type "V-B" [unprotected] Construction All building elements = 0-hours

Fire-Resistance Rating Requirements For Exterior Walls Based On Separation Distance Of \geq 30\textquotesingle (2009 IBC, Table 602):
Group "II" / Type "V-B" [unprotected] 0-hours

Occupant Load [egress] (2009 IBC, Table 1004.1.1)
1 occupant [90sf / 300 gross square feet per occupant (accessory storage area) = 32 occupants Round-up to nearest whole = 1 total occupant]

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1. Please provide from the manufacturer of the shed kit, two copies plans, details, sections with design criteria and installation instructions for review. (2009 IBC, Section 107.1) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #3 The contractor is to submit the required design information approximately 6-weeks after notice to proceed. The plan review will be completed after receipt of design information. The building permit can-not be issued until after all deferred submittal items have been received, the plan review completed and approved.

Please address the above "HIGHLIGHTED" building plan review comments on both sets of your plans and provide any additional required information.

After you have finished correcting your plans, please submit them to your project coordinator.

WHEN SUBMITTING INFORMATION FOR RE-REVIEW, THE ATTACHED RE-REVIEW INFORMATION SUBMITTAL FORM MUST BE COMPLETED AND RETURNED WITH ALL INFORMATION SUBMITTED FOR RE-REVIEW LISTED IN THE SPACE PROVIDED ON THE DOCUMENT.
The following field verification comments below need not be addressed on the plans before permit issuance. The field verification comments below will be verified for compliance in the field by the inspector. Non-complying work found in the field, will be required to be modified as necessary to meet code requirements or, when necessary, the work shall be removed and rebuilt in compliance with code requirements.

**FIELD VERIFICATION COMMENTS:**

A. Please ensure door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 shall not require tight grasping, tight pinching or twisting of the wrist to operate. (2009 IBC, Section 1008.1.9.1 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

B. Please ensure door handles, pulls, latches, locks and other operating devices shall be installed 34” inches minimum and 48” inches maximum above the finished floor. Locks used only for security purposes and not used for normal operation are permitted at any height. (2009 IBC, Section 1008.1.9.2 and ICC/ANSI A117.1-2003, Sections 309.4 and 404.2.6)

C. Please ensure manually operated control switches shall be placed 32” inches minimum and 40” inches maximum above the floor. Additionally, please ensure the clear floor space adjacent to the control switch is located beyond the arc of the door swing and centered on the control switch. (2009 IBC, Sections 1101.2.10 [WA State Amendment] and 1109.12 and ICC/ANSI A117.1-2003, Sections 309 and 404.3.5)

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PRINTED 03/02/12
RE-REVIEW INFORMATION SUBMITTAL FORM

In order to better serve you, please complete and return this document listing all items (revised or replacement plans, details, trusses, truss layout etc...) you are submitting for re-review in response to the building plan review comments. Failure to include this document could result in delay of building plan re-review.

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**SUBMITTAL ITEMS:**

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Yakima County Building and Fire Safety  
Non-Residential Building Code Plan Review  
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<td>Project Description:</td>
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**REVIEW COMMENTS:**

BUILDING PLAN REVIEW PROJECT NARRATIVE:
The proposed project is a steel, bolted, water tank. The tank will have a capacity of 32,000 gallons. The tank diameter is approximately 15.5' with an area of 189± square feet. The water height will be approximately 23' from the top of the inlet pipe to the overflow.

Use And Occupancy Classification (2009 IBC, Chapter 3):
Group "U" Utility and miscellaneous [tanks] (2009 IBC, Section 312.1)

Types Of Construction (2009 IBC, Chapter 6)
Type "II-B" [those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code] (2009 IBC, Section 602.2)

Allowable Building Heights And Areas (2009 IBC, Table 503):
Group "U" / Type "II-B" [unprotected] 55' tall / 2-stories / 8,500± per story

Actual Building Heights And Areas
25± tall / 1-story / 189± square feet / 15.5' diameter

NON-RESIDENTIAL BUILDING PLAN REVIEW COMMENTS:
1. Please provide two copies manufacturer's plans, details, sections and design engineering with signed Washington State stamp. Please have them include assembly instructions in the package. (2009 IBC, Section 107.1) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #2. The contractor is to submit the required design information approximately 6-weeks after notice to proceed. The plan review will completed after receipt of design information. The building permit cannot be issued until after all deferred submittal items have been received, the plan review completed and approved.

2. If A325 “High-Strength” bolts are used to assemble the tank, special inspection is required by code. Please have the project engineer specify the required special inspections on the special inspection agreement. Please sign, where highlighted, and return the enclosed Special Inspection Agreement (2009 IBC, Sections 106.1, 107.1, 110.4, 1702 and 1704) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #2. The contractor is to complete and submit the required Special Inspection and Testing Agreement with the tank design information approximately 6-weeks after notice to proceed.

3. Please provide two copies of WA State engineer’s signed and stamped footing plans, details, sections and design calculations for the tank footings. (2009 IBC, Sections 1802 and 1809) / 03/02/2012 1st Re-Review – This comment is partially addressed by means of a deferred submittal, item #2. The contractor is to submit the required design information approximately 6-weeks after notice to proceed. The plan review will completed after receipt of design information.

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