

DRAWINGS

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Site Location



Legend

Site Location

5/14/2015

Notes

1. This map is not intended to be a "stand-alone" document, but a visual aid of the information contained within the referenced Report. It is intended to be used in conjunction with the scope of services and limitations described therein.

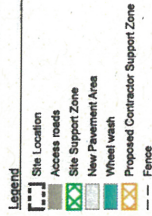
Sources

- ESRI World Imagery



Former Heide Crane Area Remediation Support -
Base Work Soil Disposal
Pacific Environment Centre Site, West Vancouver, BC

PEC Site Road Routing and Health & Safety Features

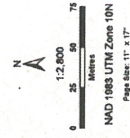


NOTES

1. Aerial image used for general reference only - may not be representative of pre remediation phase.
2. This map is not intended to be a "stand-alone" document but a visual aid to be used in conjunction with the scope of services and limitations described.

SOURCES

- Trevis Survey orthophoto - March 2015
- ESR World Imagery - Vancouver 2011, North Vancouver 2009

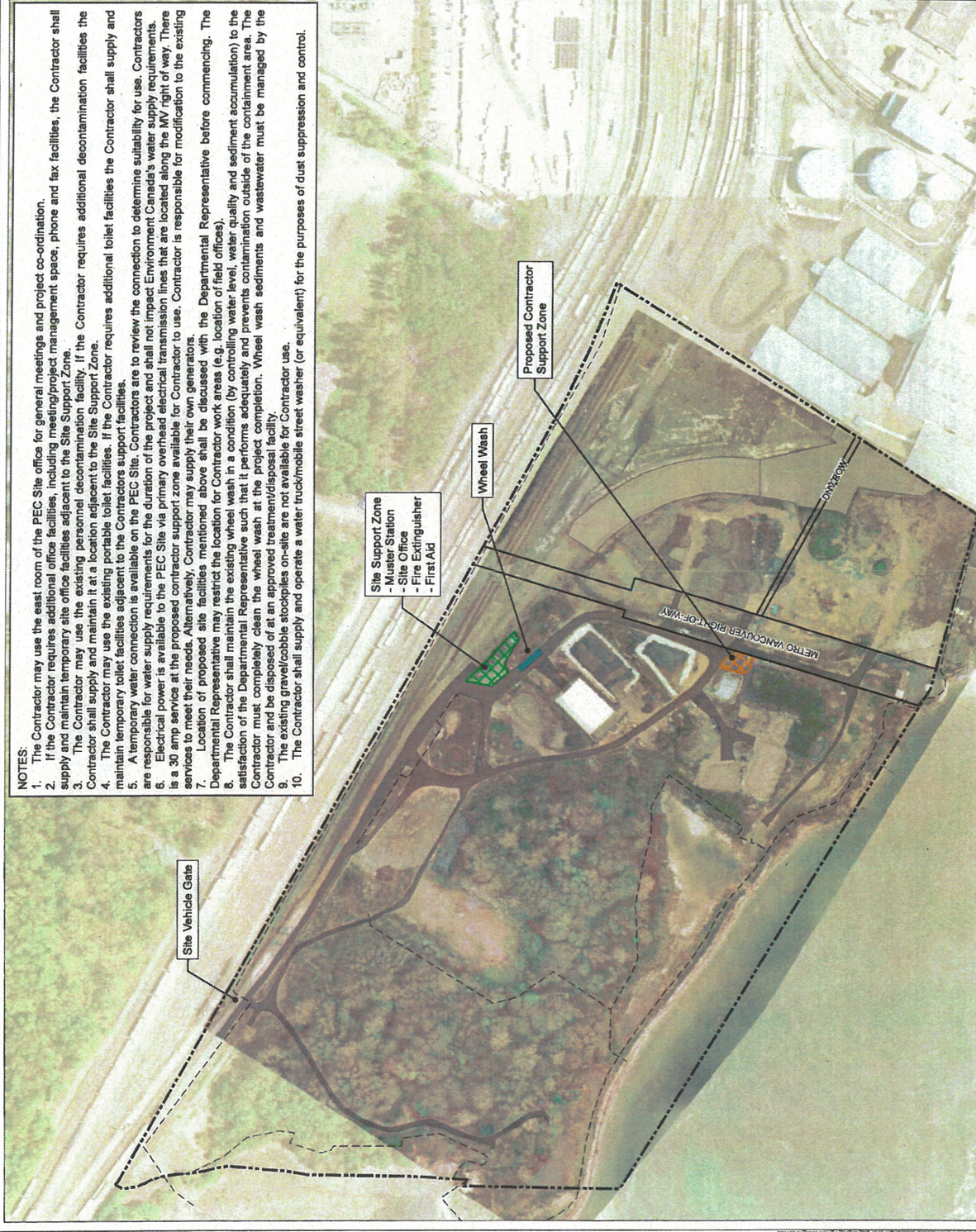


457-002.47 Production Date: Dec 1, 2015 Figure 2

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NOTES:

1. The Contractor may use the east room of the PEC Site office for general meetings and project co-ordination.
2. If the Contractor requires additional office facilities, including meeting/project management space, phone and fax facilities, the Contractor shall supply and maintain temporary site office facilities adjacent to the Site Support Zone.
3. The Contractor may use the existing personnel decontamination facility. If the Contractor requires additional decontamination facilities the Contractor shall supply and maintain it at a location adjacent to the Site Support Zone.
4. The Contractor may use the existing portable toilet facilities. If the Contractor requires additional toilet facilities the Contractor shall supply and maintain temporary toilet facilities adjacent to the Contractors support facilities.
5. A temporary water connection is available on the PEC Site. Contractors are to review the connection to determine suitability for use. Contractors are responsible for water supply requirements for the duration of the project and shall not impact Environment Canada's water supply requirements.
6. Electrical power is available to the PEC Site via primary overhead electrical transmission lines that are located along the MV right of way. There is a 30 amp service at the proposed contractor support zone available for Contractor to use. Contractor is responsible for modification to the existing services to meet their needs. Alternatively, Contractor may supply their own generators.
7. Location of proposed site facilities mentioned above shall be discussed with the Departmental Representative before commencing. The Departmental Representative may restrict the location for Contractor work areas (e.g. location of field offices).
8. The Contractor shall maintain the existing wheel wash in a condition (by controlling water level, water quality and sediment accumulation) to the satisfaction of the Departmental Representative such that it performs adequately and prevents contamination outside of the containment area. The Contractor must completely clean the wheel wash at the project completion. Wheel wash sediments and wastewater must be managed by the Contractor and be disposed of at an approved treatment/disposal facility.
9. The existing gravel/cobble stockpiles on-site are not available for Contractor use.
10. The Contractor shall supply and operate a water truck/mobile street washer (or equivalent) for the purposes of dust suppression and control.



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Site Control Zones



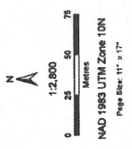
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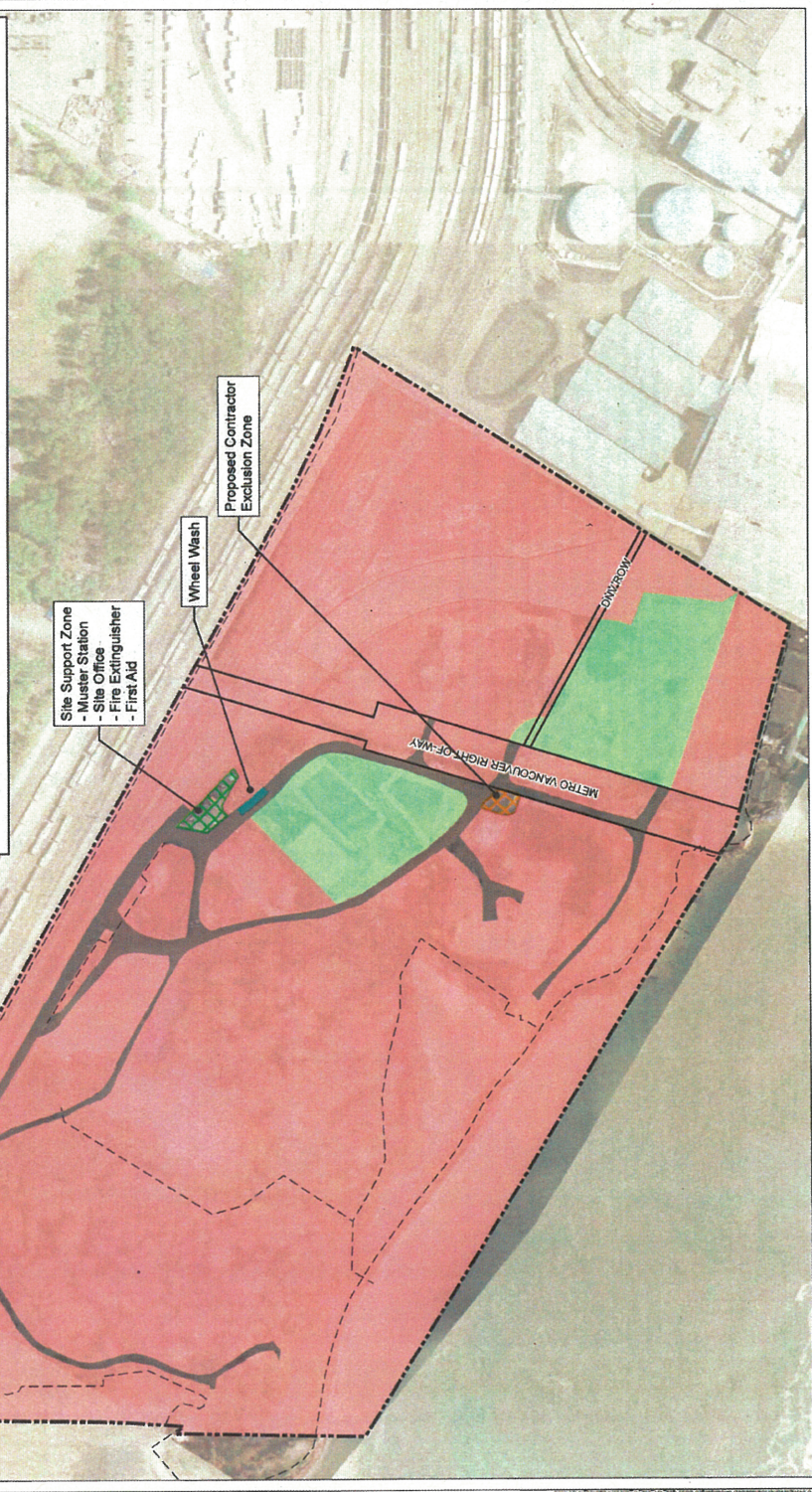
1. Aerial image used for general reference only - may not be representative of pre remediation phase.
2. This document is intended to be a "stand-alone" document, but a visual aid of the information contained within the referenced Report. It is intended to be used in conjunction with the scope of services and limitations described.

SOURCES

- Trelis Survey orthophoto - March 2015
- ESRI World Imagery - Vancouver 2011, North Vancouver 2009



- NOTES:**
1. The Contractor shall not conduct any type of work in the Work Exclusion Zone without the written consent of Departmental Representative.
 2. The Contractor shall review the most recent PEC Site Master Health and Safety Plan.
 3. The Contractor shall familiarize all employees and subcontractors with the PEC Site Master Health and Safety Plan and PEC Site management procedures.
 4. There are two right-of-ways crossing the PEC Site. A Metro Vancouver Right-of-Way (ROW) containing two water mains is present from the northern property boundary to the southern shoreline along Burrard Inlet. A District of North Vancouver (DNV) ROW, containing one water main runs from the Metro Vancouver water main to the eastern property boundary. To mitigate potential damage to the water main pipes, heavy equipment movement is limited across the ROWs, parking or storage of materials over top of the ROWs is prohibited, and excavations anywhere within or across the ROWs are prohibited. The Contractor shall also maintain 24 hour access to the Metro Vancouver ROW. The Contractor is to ascertain and abide by all DNV and Metro Vancouver requirements for work in and around the ROWs. This project shall not include any excavation within the GVRD or DNV right of ways.
 5. More than 100 groundwater-monitoring wells (MWs) have been installed on-site, including within and near the work areas. The Contractor must make all reasonable efforts to maintain the integrity of the MWs located within the excavation footprint (13 MWs located within the excavation footprint) and outside of the excavation footprint. If necessary, the Contractor may cut and cap the MWs polyvinyl chloride (PVC) well pipes as the excavation progresses. The Contractor is responsible for the cost of repairs necessary to the MWs in the event they are damaged during their activities. An effort has been made to identify and mark the MWs on-site; however, extreme caution must be exercised during the moving or equipment, placing of materials, foot traffic, etc.
 6. A complete clean-up of the work areas shall be conducted by the Contractor upon the completion of the work program.



Former Heide Crane Area Remediation Support -
Base Work Soil Disposal
Pacific Environment Centre Site, West Vancouver, BC

Site Layout

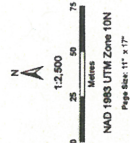
- Legend**
- Site Location
 - Final excavation area for the former Heide Crane Area
 - Remediation Base Work
 - Empty storage cell
 - Filled storage cell
 - Transfer facility
 - Site Support Zone
 - Lysimeter Pad
 - New Pavement Area
 - Wheel wash
 - Water holding cell
 - Access ramp to excavation
 - Leachate Treatment Wall Media
 - Imported landfill stockpile area
 - Gravel/cobble/leachate stockpile
 - Gravel/cobble stockpile
 - Metal contaminated soil stockpile
 - Asphalt pile
 - Over-sized gravel and cobble from hazardous waste and waste quality soil
 - Over-sized gravel and cobble from hazardous waste soil
 - Access road
 - Fence

Notes

1. Aerial maps used for general reference only - may not be representative of post remediation phase.
2. This map is not intended to be a "stand-alone" document, but a visual aid to the Remediation Plan. It should be used in conjunction with the Remediation Plan and all other documents related to the project.

SOURCES

- Trevelle Survey orthophoto - March 2015
- ESRI World Imagery - Vancouver 2011, North Vancouver 2009



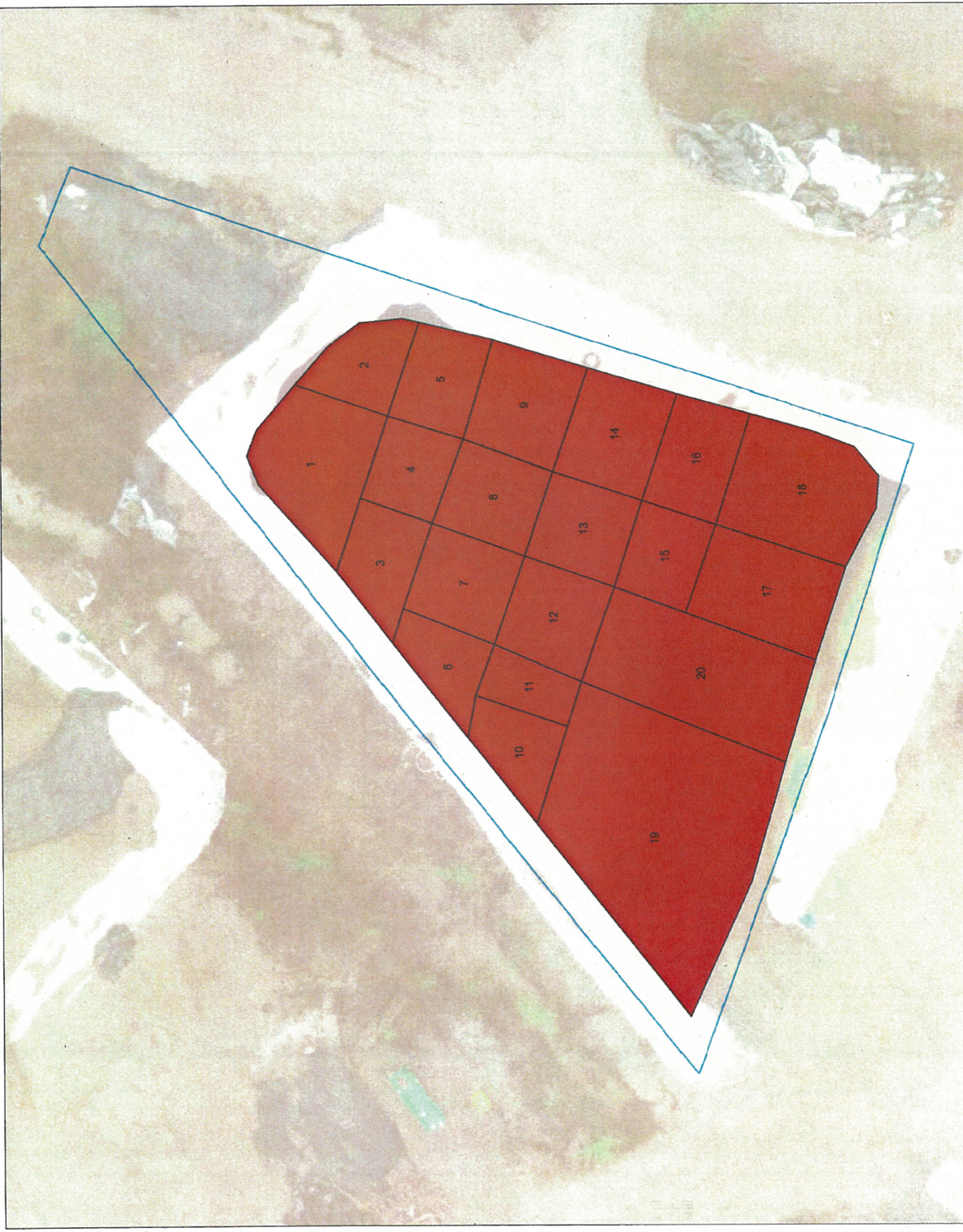
457-002.47 Production Date: Dec 1, 2015 Figure 4

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Storage Cell / Stockpile Results

Legend
Cell 1
Exceeds BC Hazardous Waste Regulation - Leachate
Quality Standards



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Notes

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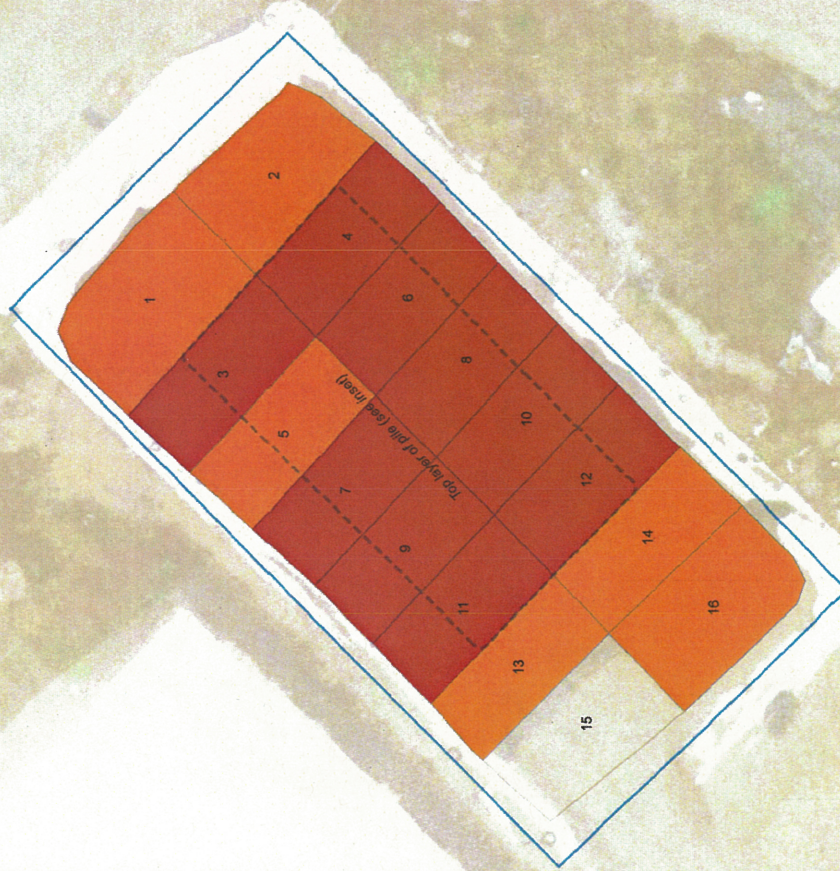
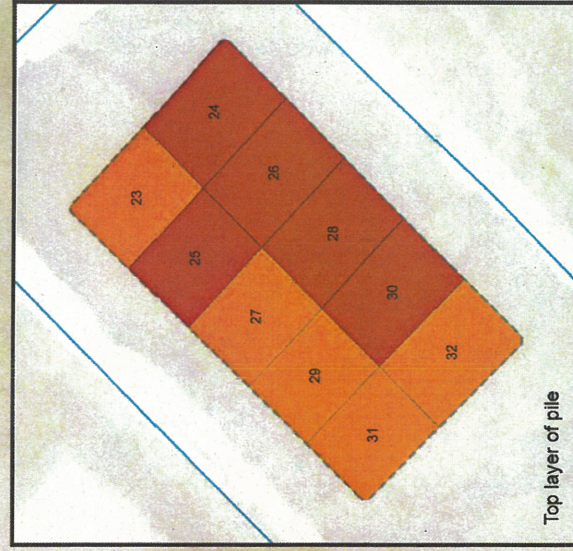
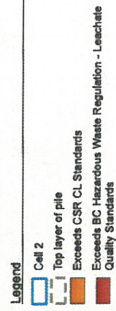
Sources

- Trevela Survey orthophoto - March 2015



457-002.47 Production Date: Nov 30, 2015 Figure 5

Storage Cell 2 Stockpile Results



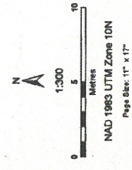
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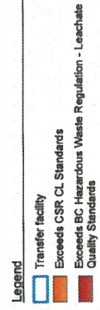
1. Aerial image used for general reference only - may not be representative of post remediation phase.
2. Remedial Work Site, West Vancouver, BC - Remediation Phase 1.
3. This map is not intended to be a "stand-alone" document, but a visual aid of the information contained within the referenced report. It is intended to be used in conjunction with the referenced report.

SOURCES

- Treva Survey orthophoto - March 2015



Transfer Facility Stockpile Results



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Notes

1. Field logs used for general reference only - may not be representative of post remediation phase.
2. CSR = Contaminated Sites Regulation
3. CL = Contaminated Land Use
4. This is not to be a "stand-alone" document, but a visual aid of the information contained within the referenced Report. It is intended to

SOURCES

- Treble Survey orthophoto - March 2015

