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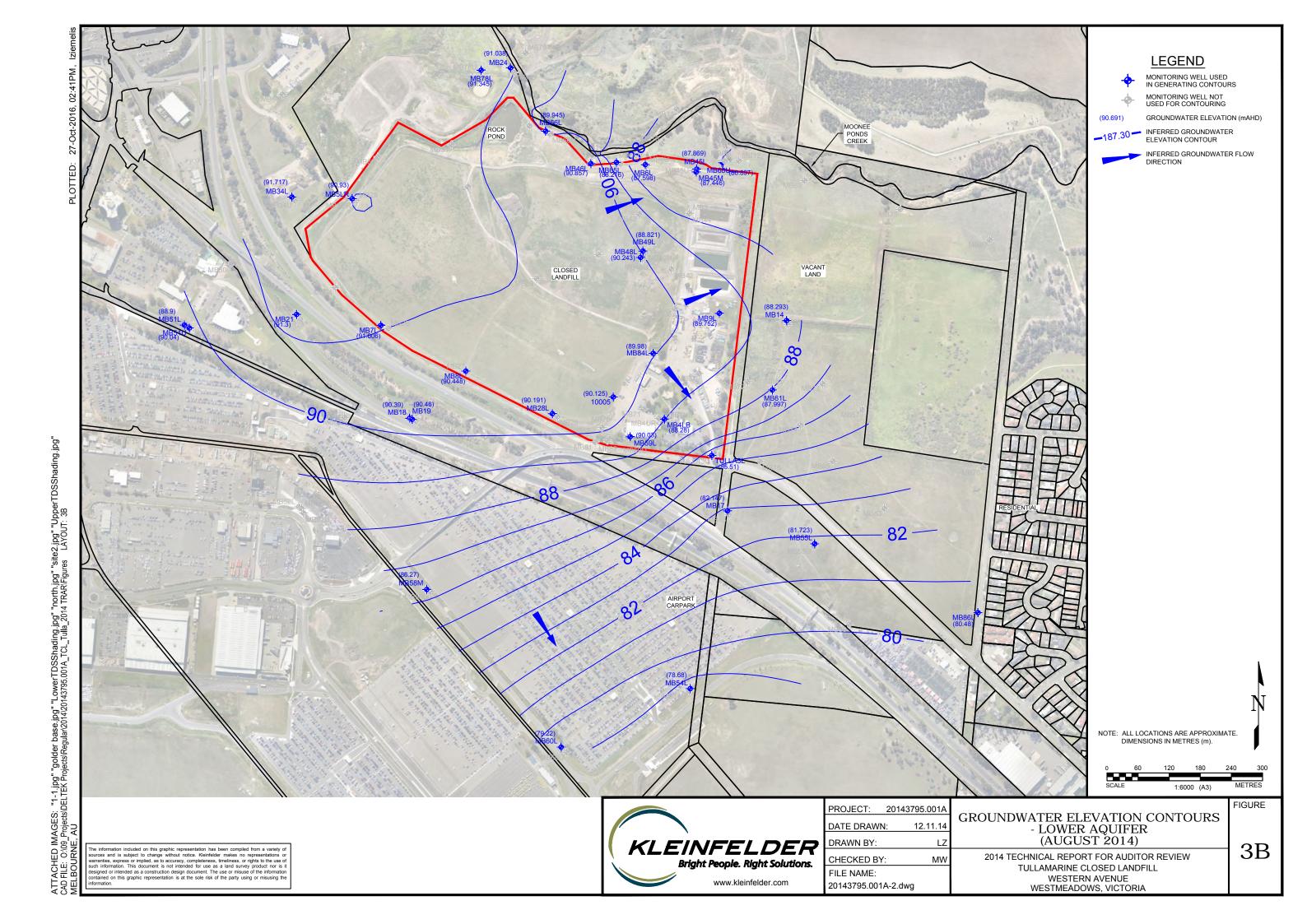
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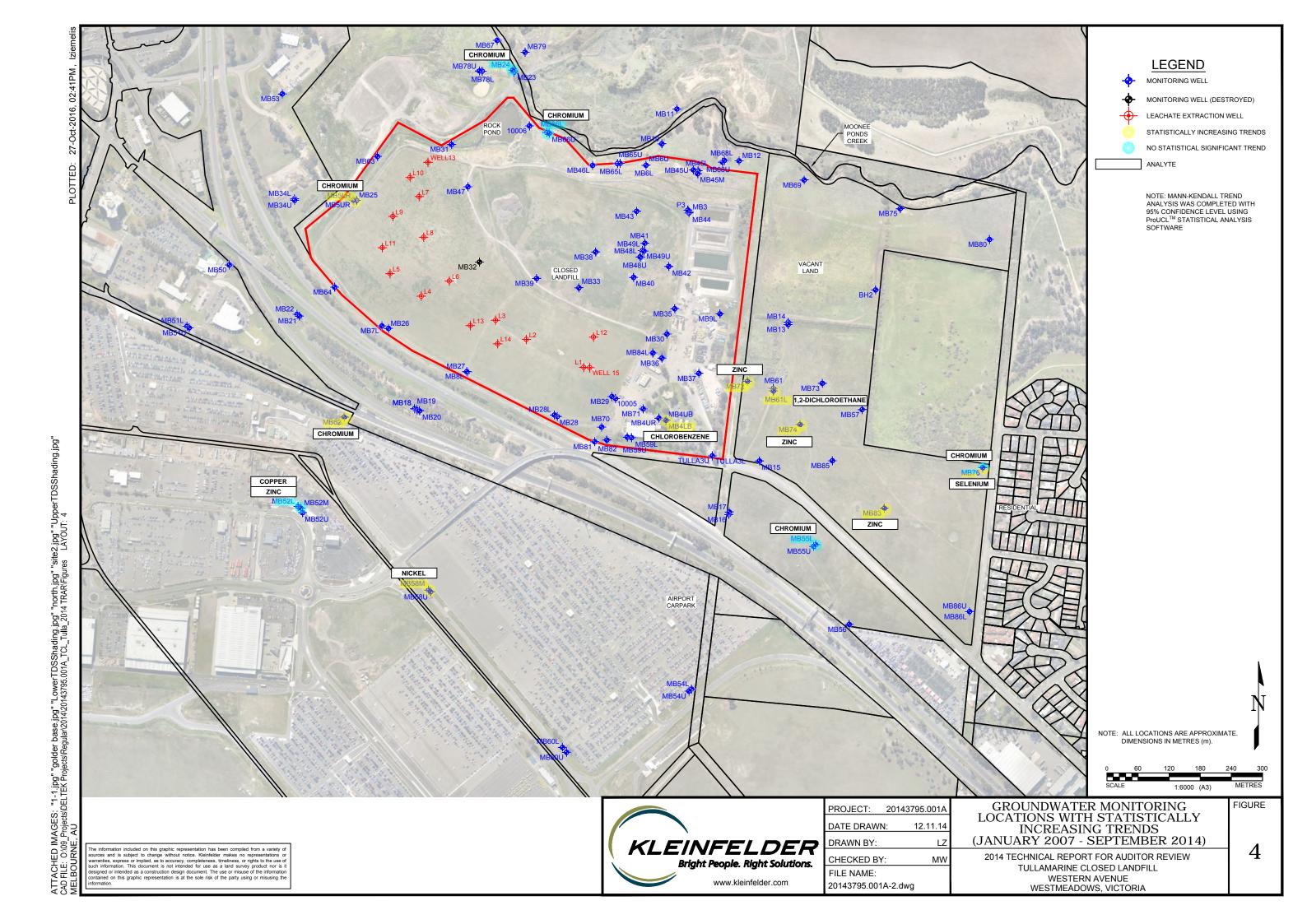
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2014 TECHNICAL REPORT FOR AUDITOR REVIEW

TULLAMARINE CLOSED LANDFILL

WESTERN AVENUE WESTMEADOWS, VICTORIA





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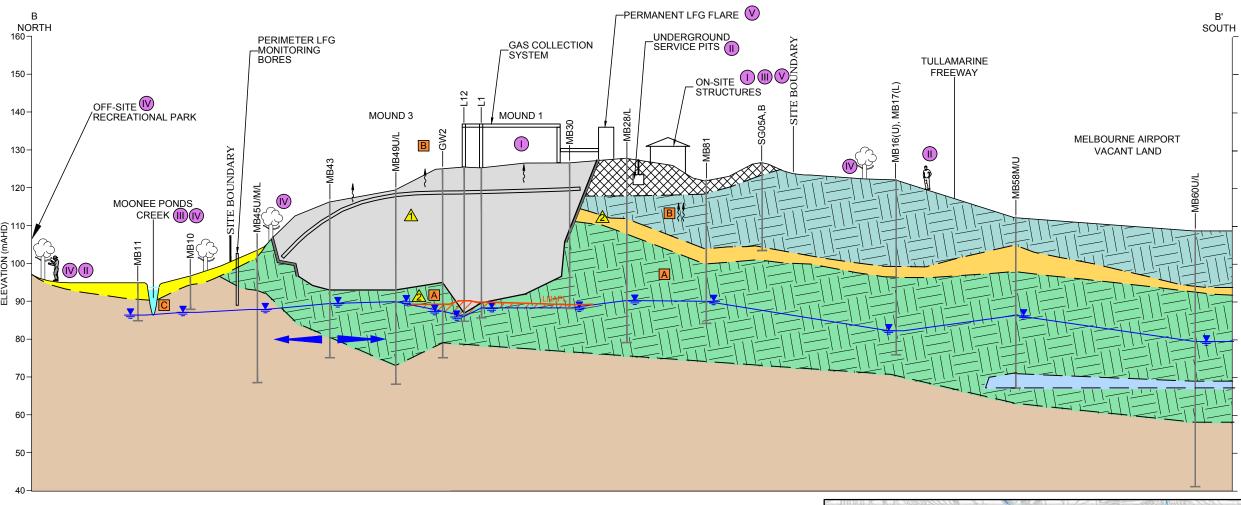
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TULLAMARINE CLOSED LANDFILL

WESTERN AVENUE WESTMEADOWS, VICTORIA

IMAGES: "1-1.jpg" "golder base.jpg" "LowerTDSShading.jpg" "north.jpg" "site2.jpg" "UpperTDSShading.jpg" 19_projects\DELTEK Projects\Regulan2014\20143795.001A_TCL_Tulla_2014 TRAR\Figures LAYOUT: 6

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SEDIMENTRY DEPOSITS LANDFILL WASTE MASS NEWER VOLCANICS (Qvn) FRACTURED BASALT BRIGHTON GROUP (Tb) OLDER VOLCANICS (Tvo) FRACTURED BASALT WERRIBEE FORMATION EQUIVALENT (Tw) SILURIAN BEDROCK (Sud) FILL GROUNDWATER LEVEL (AUGUST 2014) LANDFILL SURFACE NATURAL SURFACE APPROXIMATE LOCATION OF CLAY LINER INFERRED GEOLOGY CONTACT MB62 GROUNDWATER MONITORING WELL L9 LEACHATE EXTRACTION WELL

INFERRED GROUNDWATER

FLOW DIRECTION

POTENTIAL SOURCES

▲ LANDFILL WASTE MASS.

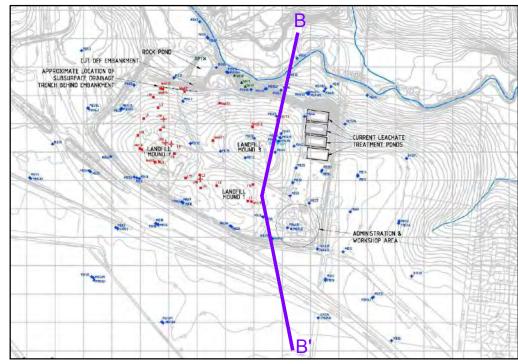
▲ GROUNDWATER (LNAPL OR DISSOLVED PHASE)

POTENTIAL PATHWAYS

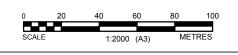
- A LATERAL AND VERTICAL MIGRATION THROUGH SUBSURFACE GEOLOGY
- **B** VERTICAL VAPOUR MIGRATION
- C DIRECT RELEASE TO SURFACE WATER

POTENTIAL RECEPTORS

- ON-SITE EMPLOYEES AND VISITORS.
- II SUB-SURFACE UTILITY WORKERS.
- SURFACE WATER
- (V) FLORA AND FAUNA
- V STRUCTURES



NOTE: PRE MAY 2014 LNAPL THICKNESS FOR LNAPL EXTRACTION WELLS HAVE BEEN PRESENTED ON THIS MODEL AS A CONSERVATIVE APPROACH DUE TO POTENTIALLY SLOW LNAPL REBOUND



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- BASE LAYOUT OF GEOLOGICAL CROSS-SECTION SOURCED FROM GOLDER (2007) SECTION A – A', REPORT NO. 04613711/602, FIGURE 13.
- INDICATIVE CREEK DEPTH DATA OBTAINED FROM VIC GOVERNMENT (LAND.VIC.GOV.AU), 2015. INTERACTIVE MAP-CONTOURS. VIEWED 30-OCTOBER-2015. AVAILABLE AT HTTP://SERVICES.LAND.VIC.GOV.AU/MAPS/INTERACTIVE.JSP
- ROCK POND DEPTH OBTAINED FROM FIGURE 3 OF THE GOLDER (2007) HYDROGEOLOGICAL CONCEPTUAL MODEL



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NORTH-SOUTH (EAST) CROSS SECTION

2014 TECHNICAL REPORT FOR AUDITOR REVIEW
TULLAMARINE CLOSED LANDFILL
WESTERN AVENUE
WESTMEADOWS, VICTORIA

FIGURE

9B

WEATHERED BASALT FILL GROUNDWATER LEVEL (APRIL 2014) GROUNDWATER LEVEL (AUGUST 2014) LANDFILL SURFACE NATURAL SURFACE APPROXIMATE LOCATION OF CLAY LINER INFERRED GEOLOGY CONTACT GROUNDWATER MONITORING WELL LEACHATE EXTRACTION WELL LEACHATE (MAY 2014) INFERRED GROUNDWATER FLOW DIRECTION

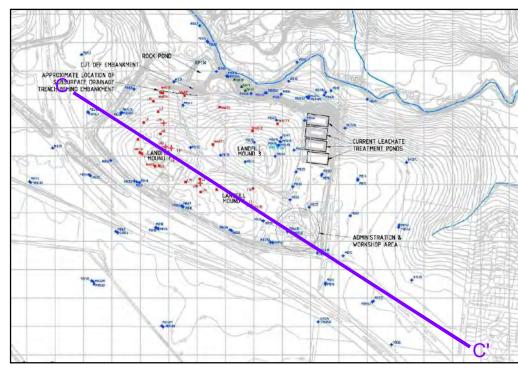
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BASE LAYOUT OF GEOLOGICAL CROSS-SECTION SOURCED FROM GOLDER (2007) SECTION A - A', REPORT NO. 04613711/602, FIGURE 13.

C DIRECT RELEASE TO SURFACE WATER

POTENTIAL RECEPTORS

- ON-SITE EMPLOYEES AND VISITORS.
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- SURFACE WATER
- IV FLORA AND FAUNA
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EPORT FOR AUDITOR REVIEW RINE CLOSED LANDFILL WESTERN AVENUE WESTMEADOWS, VICTORIA

FIGURE

9C

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