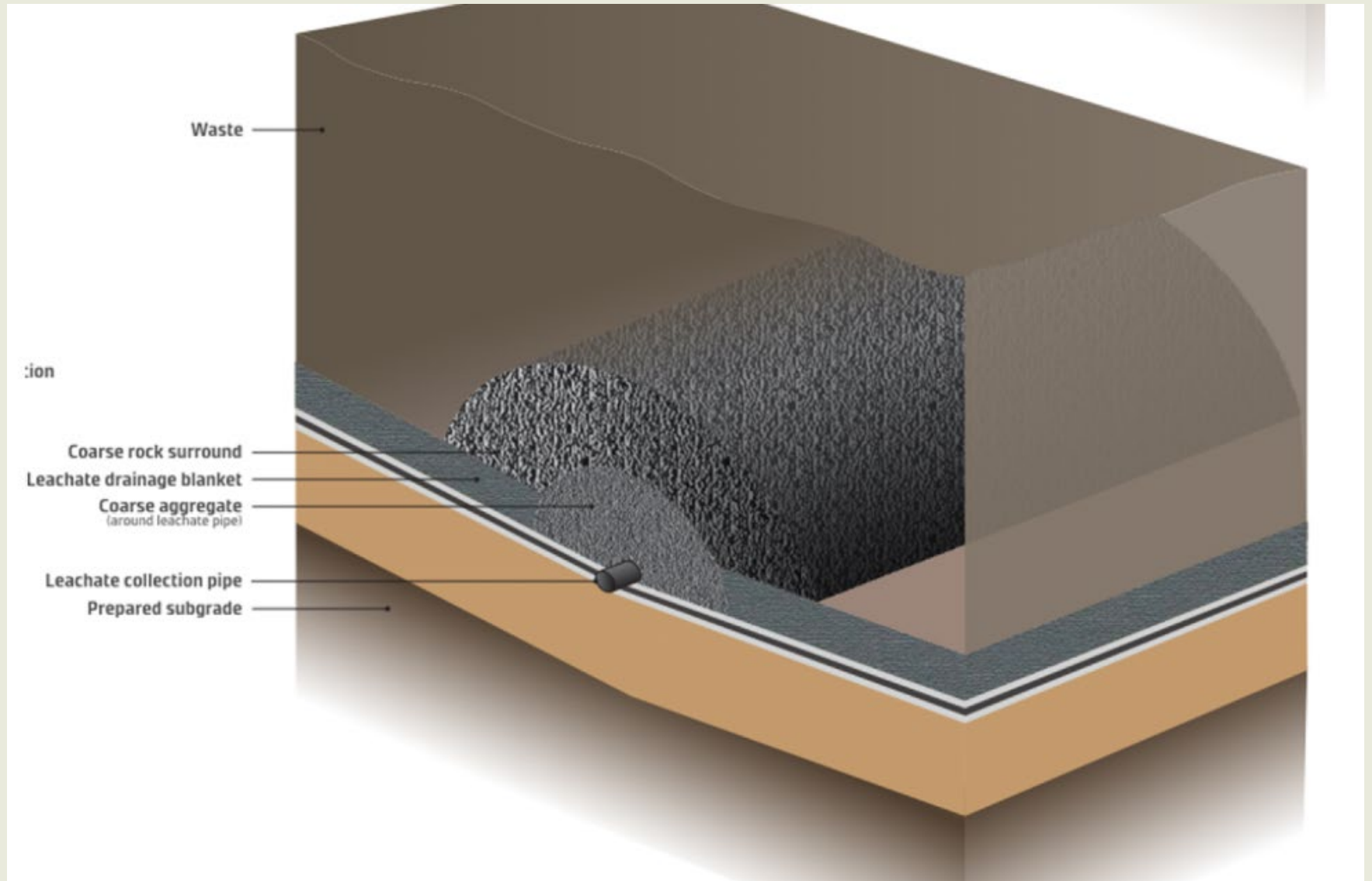




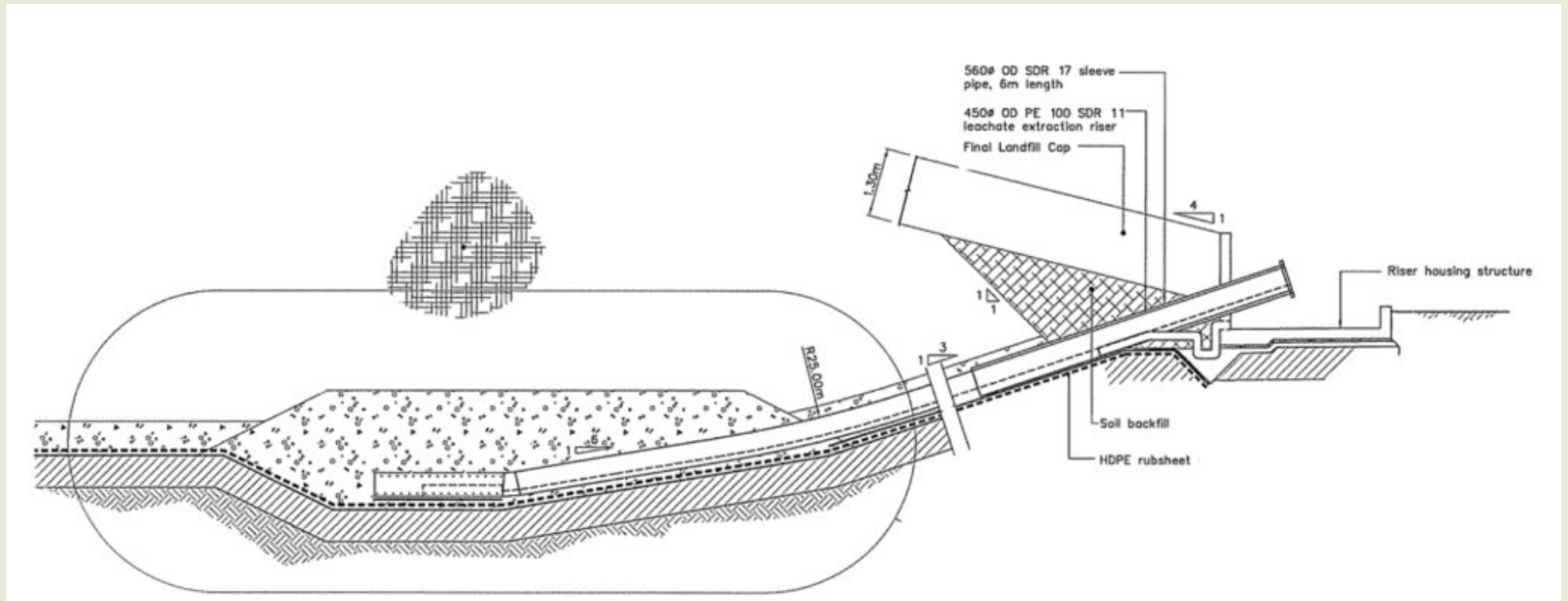
Leachate Report



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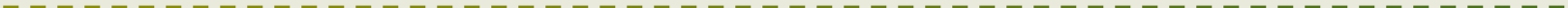
Leachate Report



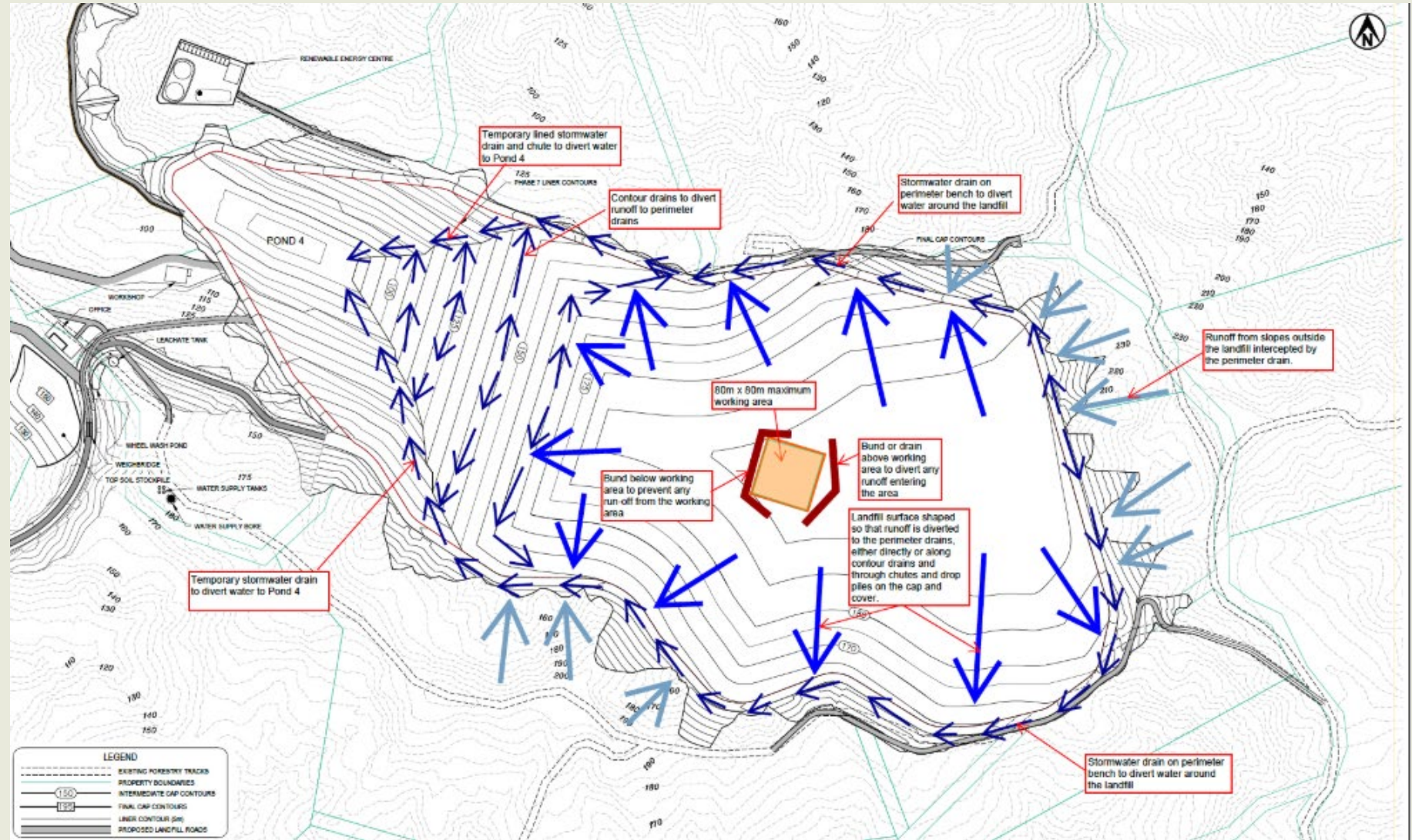
WHY THIS REPORT WAS COMMISSIONED

The Environment Court decision Dec 2023 set out that further work was required to identify the following:

Whether the downstream area of landfill and the separation of waters can be improved to deal with:

- (i) high rainfall;
 - (ii) landslip or failure of the landfill.
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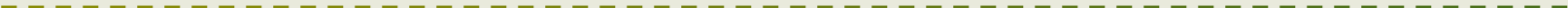
WHY WE DIDN'T PEER REVIEW THE ENTIRE LANDFILL DESIGN

Auckland Council completed an independent peer review

Waste Management completed an independent peer review

Both peer reviews were tested in the Environmental Court for 12 weeks

The Court found **no reason to decline** the consent based on the landfill design



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TUOH PEER REVIEW PROCESS

This was an **independently commissioned peer review**.


Andy Smith leads the geotechnical team at PDP Christchurch 20yrs+ of experience

Could challenge Tonkin & Taylor's plans in Court

Highly recommended

One of the few in NZ with both the technical expertise and courtroom experience

Expert in dams and landfills



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WHAT DID THE PEER REVIEW LOOK AT

Two key areas were reviewed based on Court direction:

1. Extreme weather events
2. Design failure of the stormwater ponds

One other key area reviewed, due to Ngāti Whātua ongoing concerns:

1. Ongoing monitoring around the leachate, microplastics and hormones entering the waterways*



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WHAT THE FINDINGS WERE:

- **Finding 1:** dams for stormwater ponds are considered **robust** and **exceeds current** industry standard practice.
- **Finding 2** consent conditions and management plans provide additional confidence, which ensured **additional resilience** and assurance during landfill operation for the stormwater ponds to operate safely with landslides and multiple rainfall events.
- **Finding 3:** the leachate monitoring and contingency measures are acceptable.

Any other measures for extra protection and to ensure proper management and monitoring can be addressed through conditions of consent.

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WHY DIDN'T WE RELEASE THE REPORT IMMEDIATELY

April 2025

- First iteration produced
- Further information from T & T required
- Te Uri o Hau advised of preliminary findings
- Issue raised by TUOH around monitoring
- Expert conferencing end of April with T & T on maintenance regime

May 2025

- TUOH socialised preliminary findings
 - Further iterations to include strengthening maintenance and monitoring conditions
 - Court notified of non-opposition
 - Final iteration completed
-

Leachate Report



MORE PROTECTIONS ARE STILL POSSIBLE

More conditions can still be added

- Management and maintenance plan
- Ongoing monitoring
- Community involvement

NEXT STEPS

- Digest Report
 - Deep dive with Andy Smith on peer review report
 - Access to Waste Management technical reports
 - 6 Weeks of Workshop – either online or kānohi ki te kānohi
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