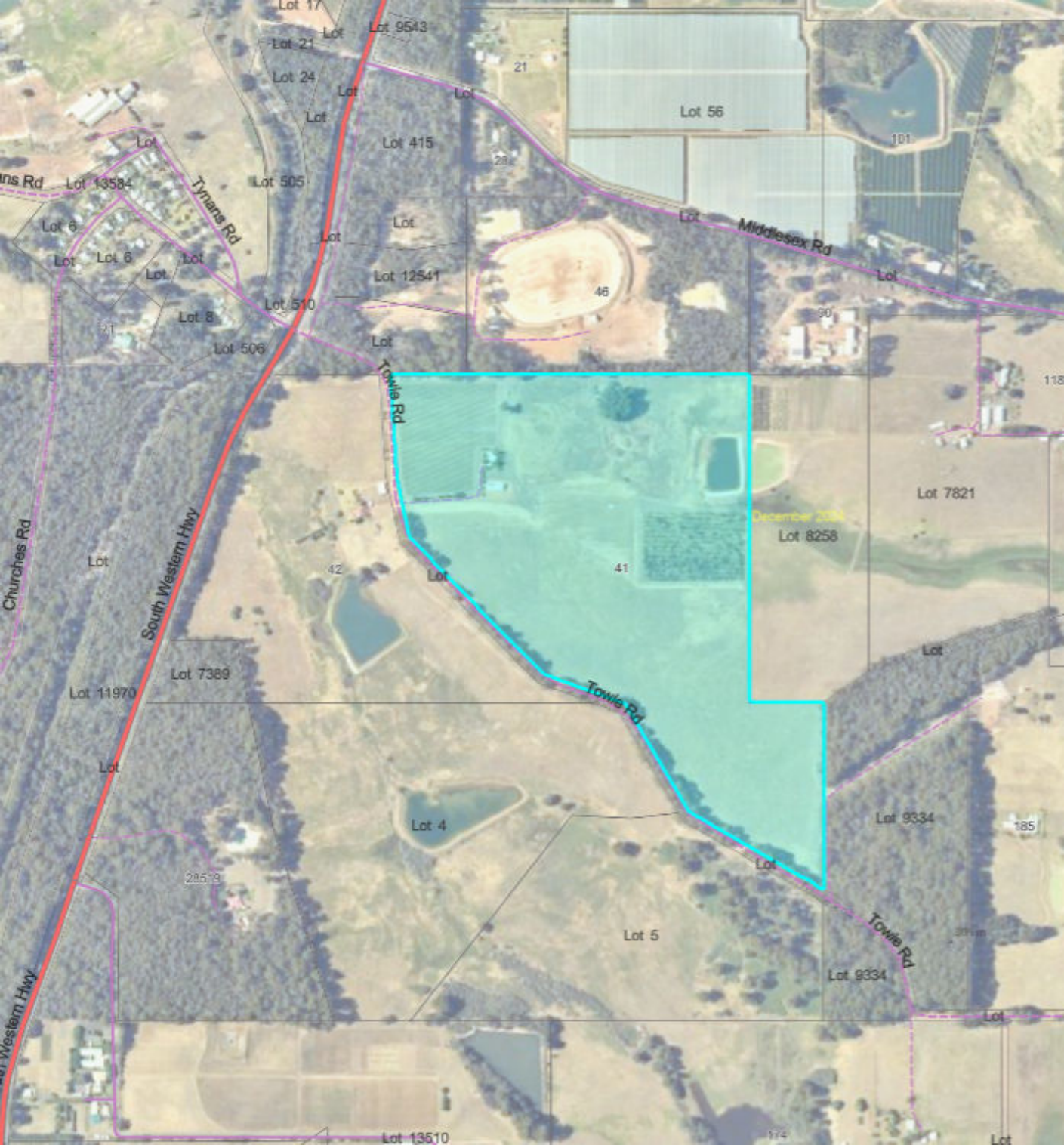
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41 Towie Rd. – Pit operating details

Extraction:

Pit to be cleared, ripped and pushed using bulldozer (135kW).

Crushing and screening of material to be carried out to attain product in accordance with MRWA and local government specifications. Plant identified to be used

All loading using wheeled front end loader (3.5m3, 120kW), and loading into side tipping or end-over semi-trailers and/or 6x4 rigid trucks.

Pit to be rehabilitated at exhaustion of pit, at the request of the land owner, or after 5 years of extraction. Whichever comes first.

All rehabilitation to be completed in accordance with plans attached

Haulage and removal operations:

Haulage to be completed as stated above, utilising rigid and semi configurations.

Truck movements will be along the displayed route via the south western corner or the landowners property, as shown on the diagram attached.

All truck movements will enter the shire road network via access at Towie Rd., and in a westerly direction ONLY to South West Highway (distance 130m at speedway entrance and 400m at owner property antrance).

Current estimated haulage volumes required could be between no loads per day, up to a maximum of 50 truckloads per day at periods of high demand, or up to 250 loads per week if working for a weekly duration of 5 days. **Average usage would expect to see and average of 100 – 150 vehicle movements during a week of demand.**

Signage will be erected and in place as per the traffic management plan (to be attained prior to pit operation if approval given). Additional signage will be provided should the need be warranted or desired by nearby residents and the Shire of Manjimup. Visibility good in both directions to allow safe entry into potential public and local traffic.

41 Towie Rd. – Pit operating details

Environmental:

All noise and dust generated by the extraction and crushing of raw material will be managed as per the noise and dust management plan to be provided shortly, and assessed prior to any extraction being undertaken. Noise is to be controlled primarily through bund constructions against relevant sides of the extraction operations. Bunds are to be a minimum of 3m in height of construction.

All servicing of loading equipment carried out within the pit will have all hydrocarbons carried, contained and removed to waste facilities as per SWP's and relevant legislation and standards. All other plant (i.e. trucks, watercarts, etc.) will be serviced off site in service facilities. All tender vehicles are mandatorily equipped with hydrocarbon spill and containment kits.

Water run-off and waterborne silt will be caught across the water run-off area, or at end by the dam located at the bottom of the catchment area. This shall ensure to erosion created by extraction operations will not be allowed to flow and sediment in water drainage construction or water courses outside the pit property.

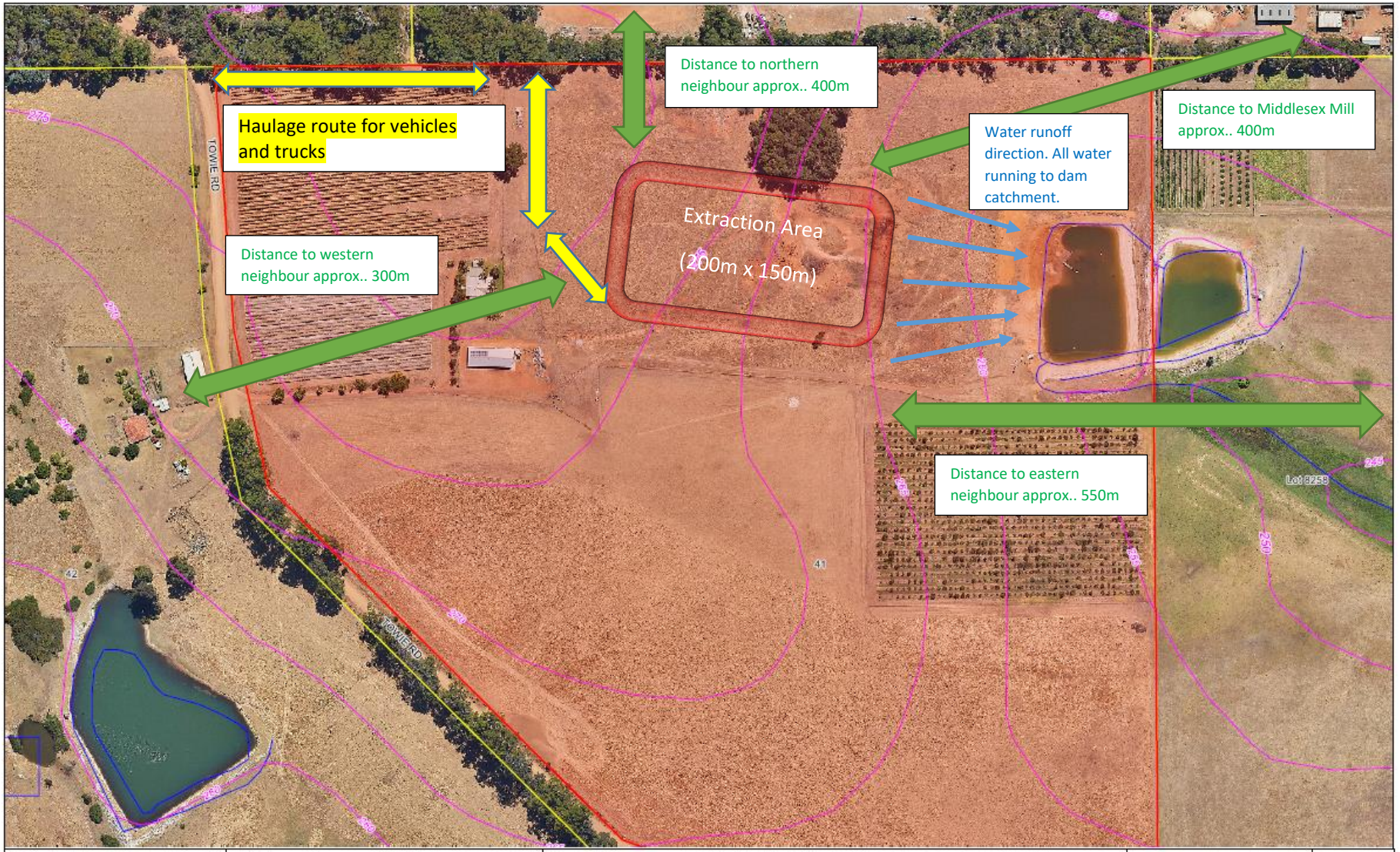
- Crushing approval would be also sought to allow minimised impact during the production phase due to larger volumes being able to be produced in exponentially shorter timeframes if permitted.
  Time taken to produce/process MRWA/Shire approved construction material:
  Non-crushing methodology – 1500T/week
  Crushing methodology – 15000T/week
  i.e. – once stock is prepared, a total production timeframe of 1 month would produce nearly 2 years supply of approved construction basecourse. Without crushing methodology production would need to occur weekly, all year to produce the same volume.

Rehabilitation:

On exhaustion of BRM resource, as land owner requests, or after 5 years when the pit is to be rehabilitated, it shall be completed in the following steps.

1) Using bulldozer, cross-rip the pit floor to a min. depth of 650mm.
2) All pit edges to be battered to suit natural contours and avoid any damming or ponding of water in rehabilitated area.
3) Topsoil respread over site evenly to allow reseeding of land for pasture for stock.
4) Reseeding to be completed by landowner with fertiliser and seed mixture of his choosing.

See also pit rehabilitation cross section view



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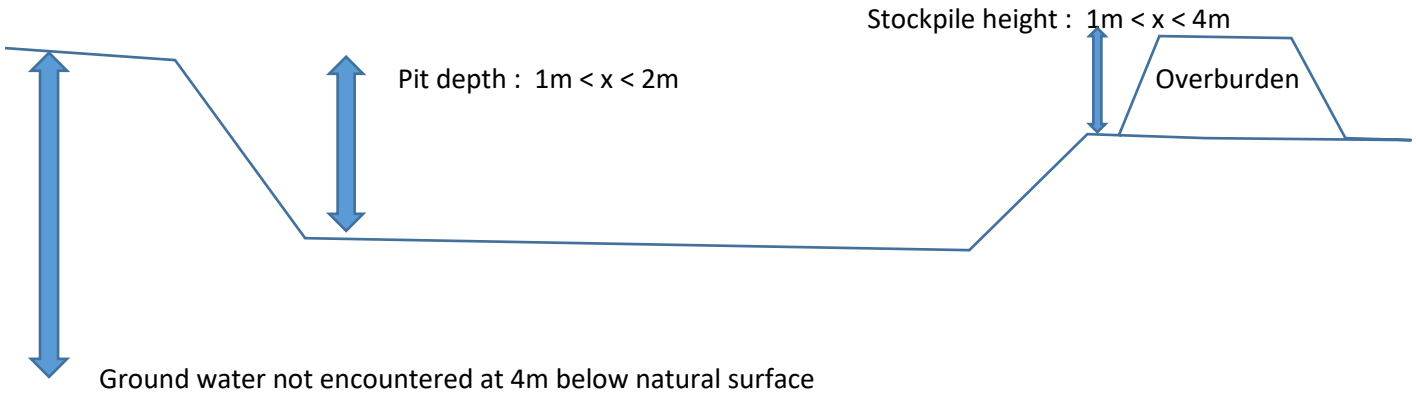
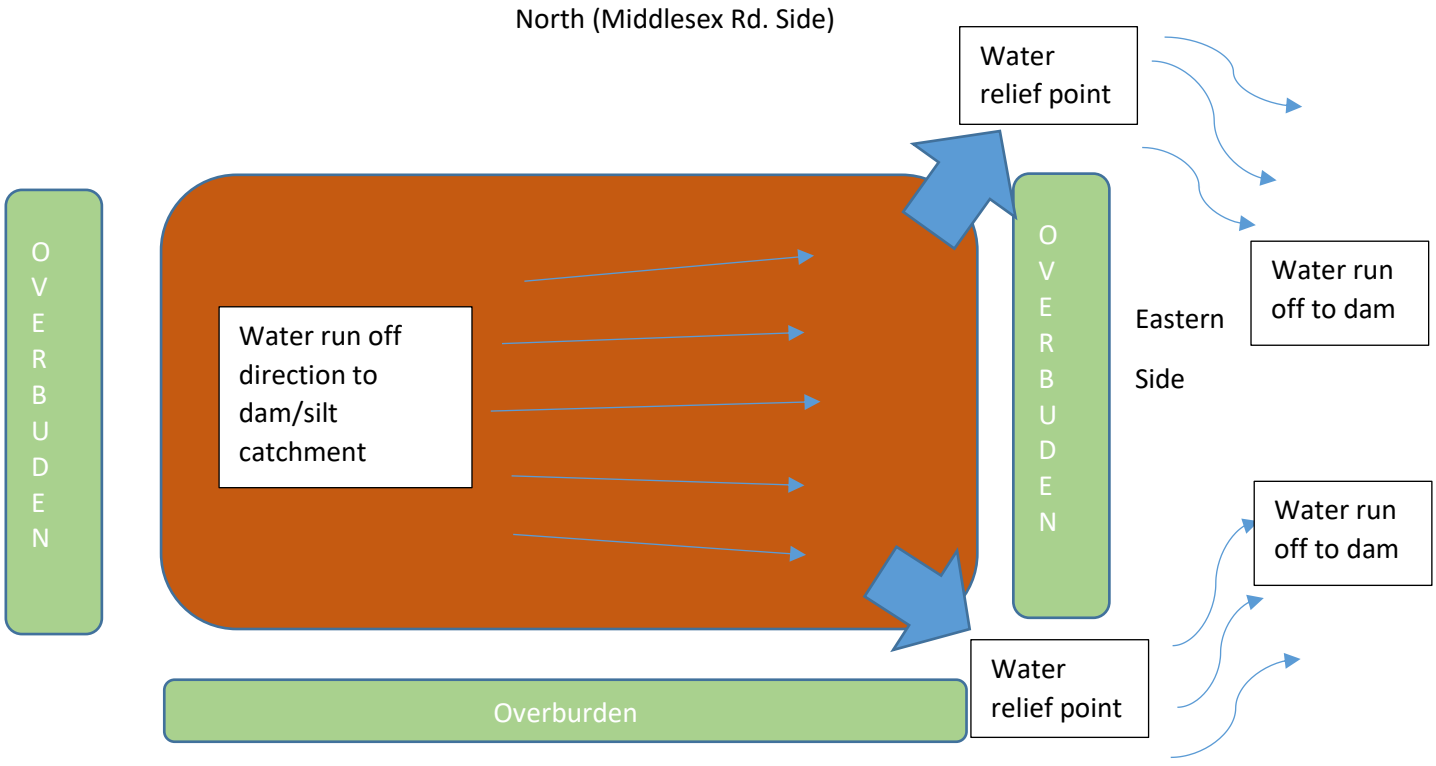
41 Towie Rd. Pit Diagram

Pit cross section

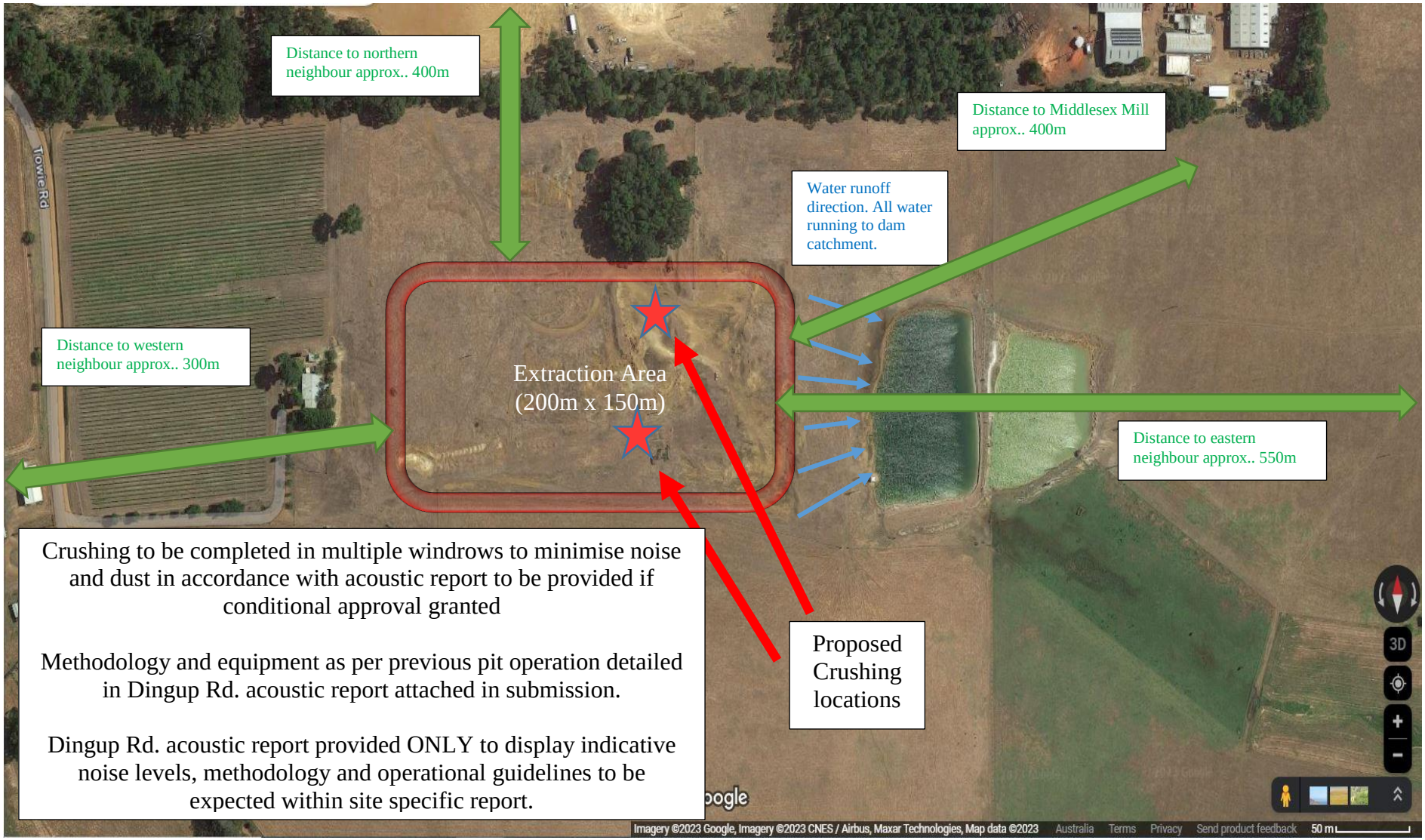


(Ground water at unknown depth as none found during testing)

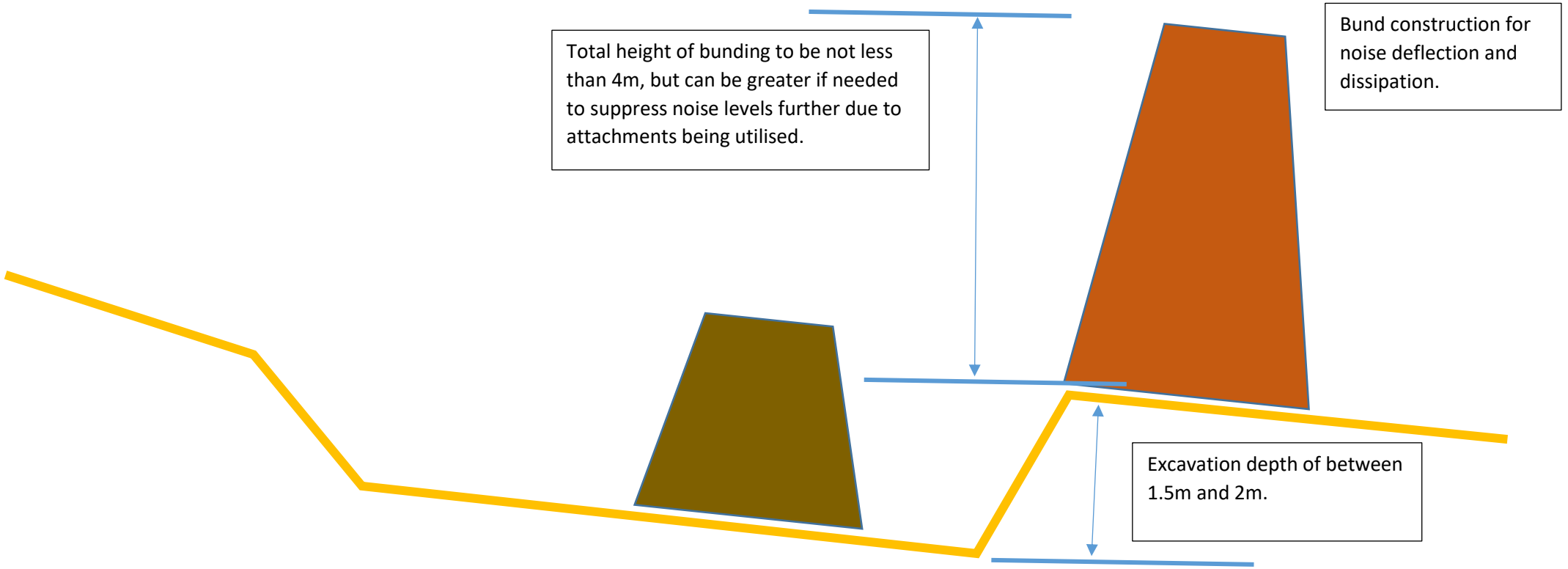
Pit overview



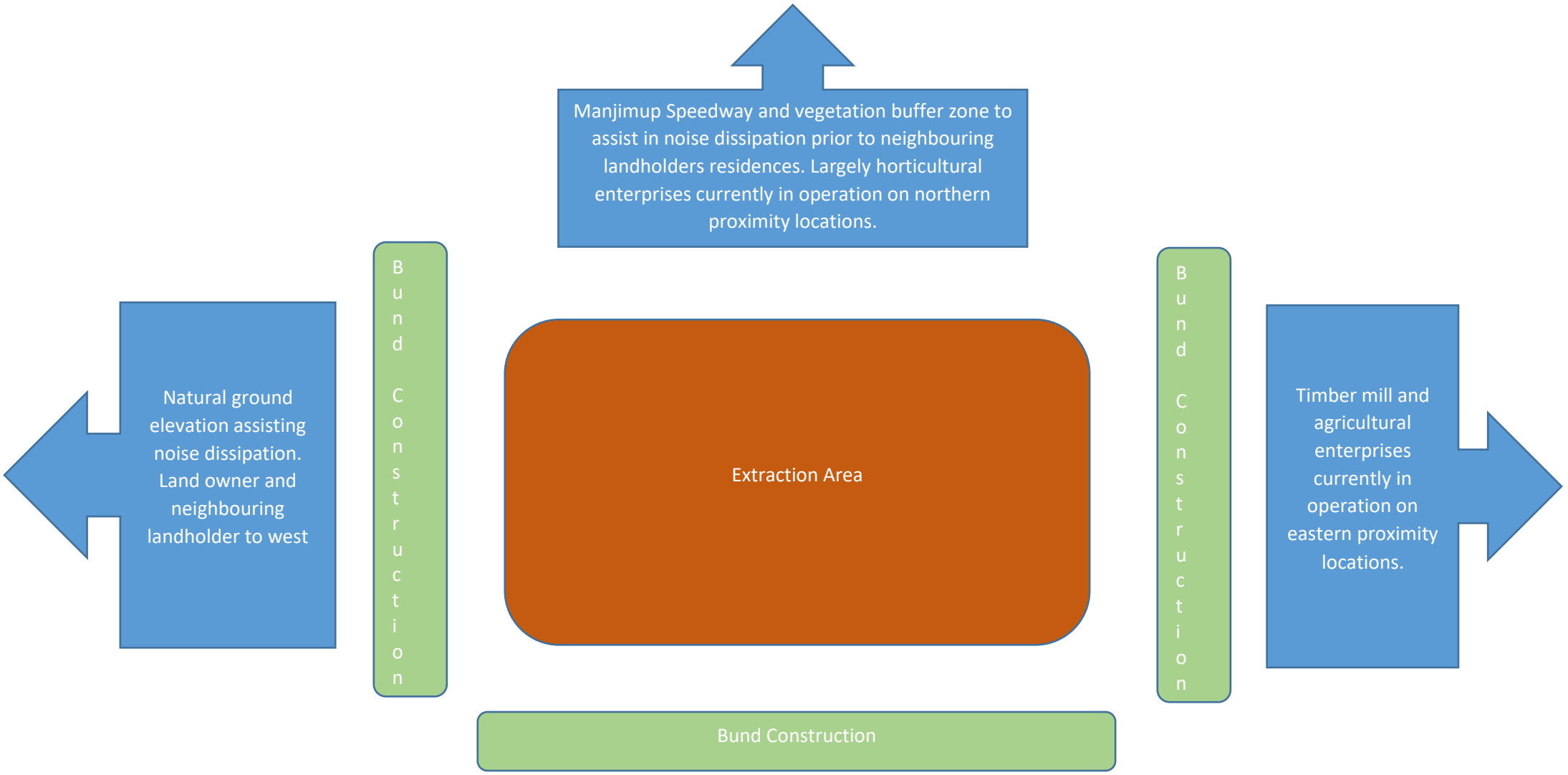
41 Towie Rd. Crushing Pit Plan



41 Towie Rd. Noise and Dust Management Plan



41 Towie Rd. Noise and Dust Management Plan



41 Towie Rd. Noise and Dust Management Plan

Note: - Contours show proposed operation to have elevated position in relation to surrounding and directly affected areas and landholders

41 Towie Rd. Noise and Dust Management Plan

Noise

Noise levels will comply with DEP 1997 noise regulations which consist of:

- Adhering to the hours of normal operation, with work conducted between 7am and 5pm on any day which is not a Saturday, Sunday or a public holiday;
- All plant equipment and vehicles being fitted with appropriate noise suppression equipment to reduce noise levels so far as is practicable, with machines being the quietest reasonably available;
- All non-conformances and noise related complaints immediately reported to the project manager; and
- Following complaints the source of any excessive noise will be identified and, work practices modified or rescheduled, to reduce or eliminate the risk of future events.

Noise levels will be monitored to ensure that noise generated as a result of extractive or remediating activities does not create a disturbance to occupiers of surrounding properties.

Management and monitoring procedures outside of the site boundary will consist of:

- A current and up to date log book of complaints and incidents to be maintained;
- An environmental incident report form and reporting process will be used for incident reporting; and
- Public complaints being documented and registered

Acceptable noise levels will be in accordance with the 1997 Noise Regulations and Worksafe WA.

In the event of public complaints being received additional noise management controls may be implemented to address excessive noise levels.

Please see also supporting acoustic assessment additionally provided

Dust

Nuisance dust will be monitored by visual observation performed by the extraction contractor on an hourly basis on the hour during periods of earthmoving activity. All monitoring is to be maintained on a logging sheet for reference and proof of compliance.

The visible monitoring of dust will be in accordance with the Department of Environmental Protection Land Development Sites and Impacts on Air Quality, A Guideline for the Prevention of Dust and Smoke Pollution from Land Development Sites in Western Australia, 1996. These guidelines specify that “visible dust crossing the site boundary indicates that the potential for adverse dust impacts exist and control measures should be implemented”. Evidence of no visible dust crossing the site boundary will be used as the monitoring criteria for compliance.

Dust management will comprise wind fencing in the form of bunding, and the use of dust suppressors in the form of water trucks as required. These will be made available for the entire extraction phase.
Watering will be conducted using water trucks at the following areas:
• direct areas undergoing excavation;
• on stockpiles; and
• on internal access tracks and machinery storage/parking areas.
All material which is to be removed is to be wetted down with a water truck (if not already sufficiently conditioned) prior to any ground disturbing activity. This will be performed as seasonal conditions dictate and in liaising with neighbouring landholders.
Ground conditions are to be inspected during hot windy weather reducing in frequency in response to moderating weather conditions. This includes site entry and exit points, which will be wet down should a potential for dust generation from these locations eventuate.
Watering will occur at the following times:
• prior to the commencement of extraction activities to ensure that the soil is sufficiently moist to prevent dust generation; and
• as required based on prevailing weather conditions such as during strong winds

Water carts will be available with a total storage capacity of 10,000 litres per 2 hectares of disturbed site.
• All areas of disturbed land should be stabilised to ensure that the disturbed area exposed at any time is kept to a practical minimum to prevent exceedance of the maximum acceptable dust level.

Contingency Response

In response to public complaints, advisory notices will be distributed to adjoining landowners within 48 hours of request by the Shire of Manjimup or the Department of Environmental Regulation (DER).

The advisory notes will detail the management response to addressing nuisance dust emissions and provide contact details.

Upon receipt of written complaints, nuisance dust monitoring will be undertaken upon the advice of the requirements of the DER.

Dust management practices will be immediately reviewed and corrective action taken if required following formal advice from the DEP. If weather conditions are very windy and dust is clearly visible and moving off-site, watering will commence and remedial activities will cease until improvements are made to dust management practices or adverse weather conditions clear.

41 Towie Rd. Noise and Dust Management Plan

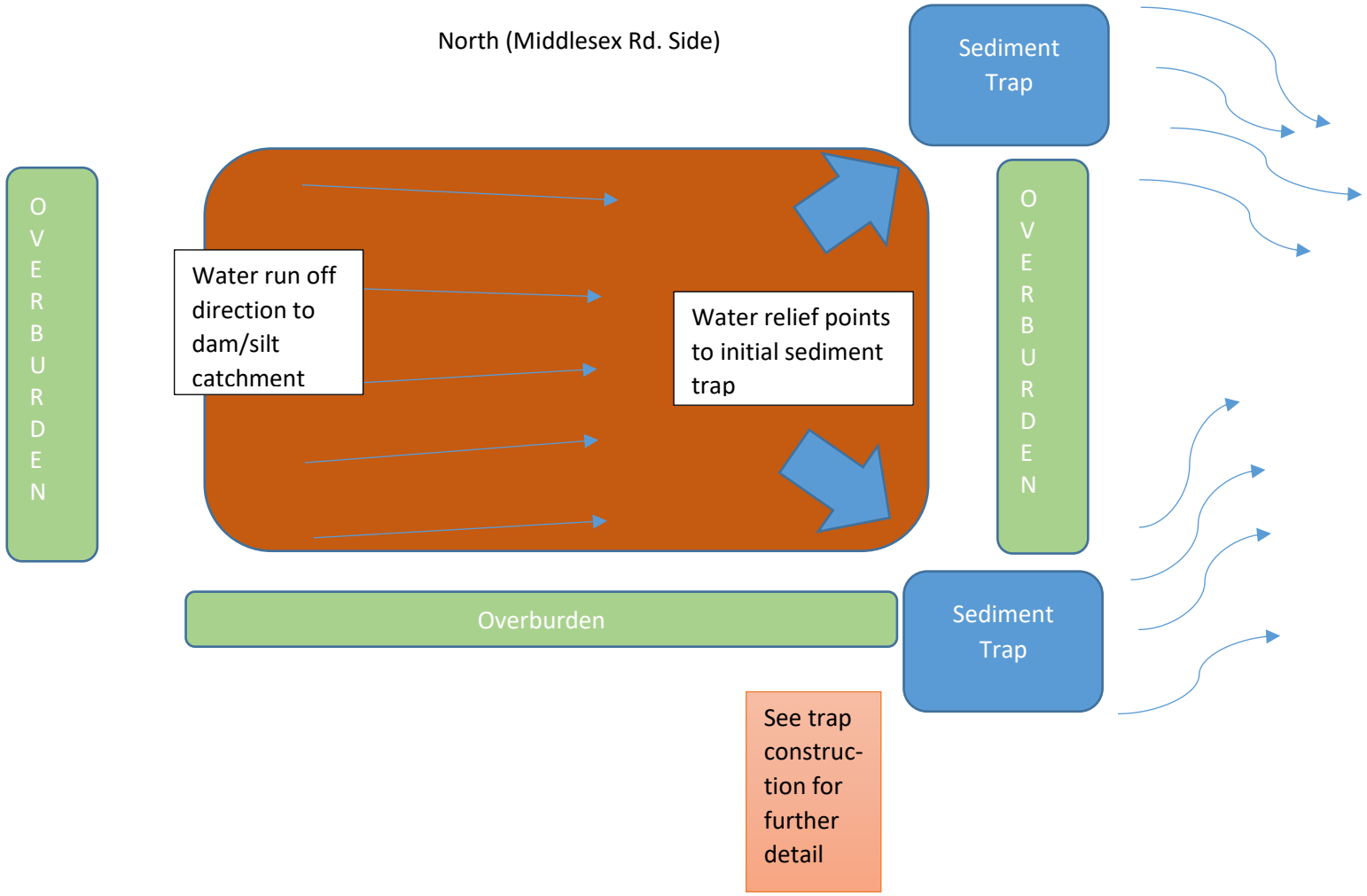
Commitments

Dronow Contracting makes the following specific commitments with regard to the management of nuisance dust and noise during any extraction activity.

1. Implementation of appropriate dust mitigation measures during the extraction, and any future crushing phases in accordance with the DER Land Development Sites and Impacts on Air Quality Guidelines, 1996, procedures for Classification 3 and 4 (for summer) sites.
2. Monitoring of dust and airborne contaminant emissions in accordance with the programme outlined in this Plan and if instructed by the Department of Environmental Reguation.
3. Manage noise levels in accordance with the Department of Environmental Protection 1997 Noise Regulations. Monitor noise levels upon complaint or instruction from the DER.
4. Manage vibration in accordance with Australian Standard AS 2670.2 – Evaluation of Human Exposure to Whole Body Vibration (1990).
5. Cease earthmoving activities if dust generation is found to or considered likely to exceed the nominated criteria. Undertake corrective action prior to recommencement of activities.
6. Report on any exceedances of the acceptable dust and contaminant levels to the Department of Environmental Regulation within 48 hours of the sampling event.

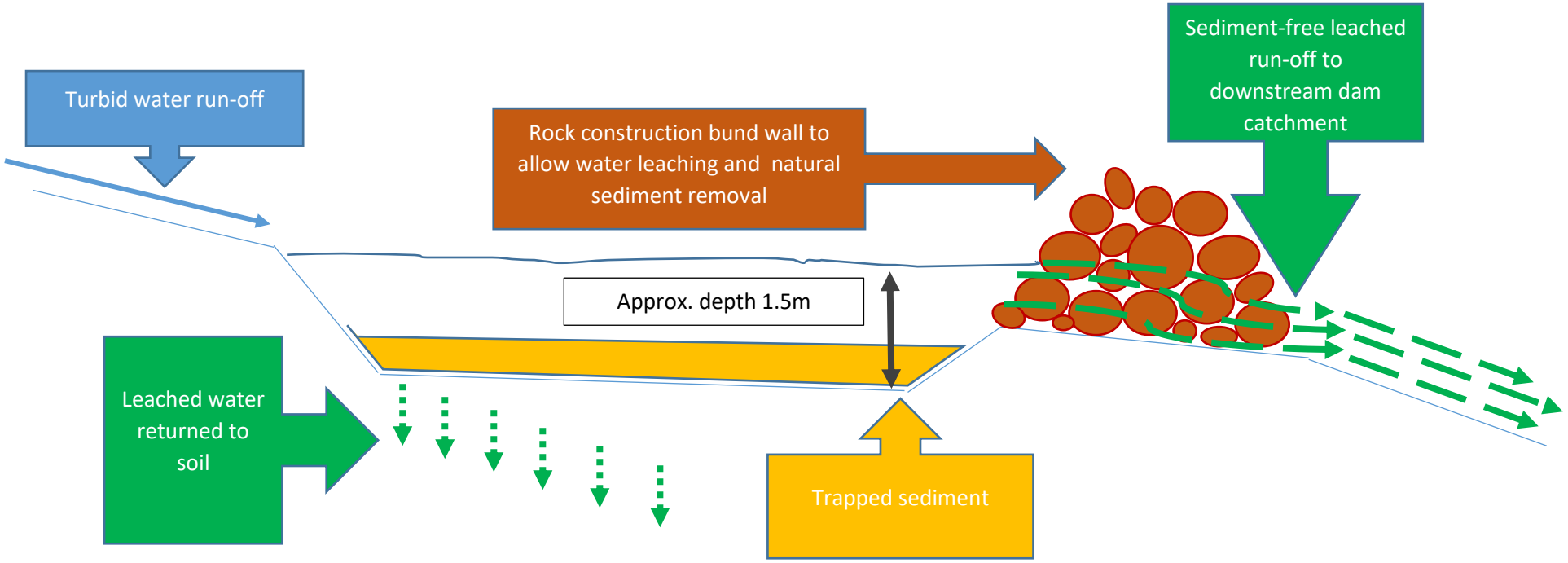
41 Towie Rd. Water Management Plan

Pit overview



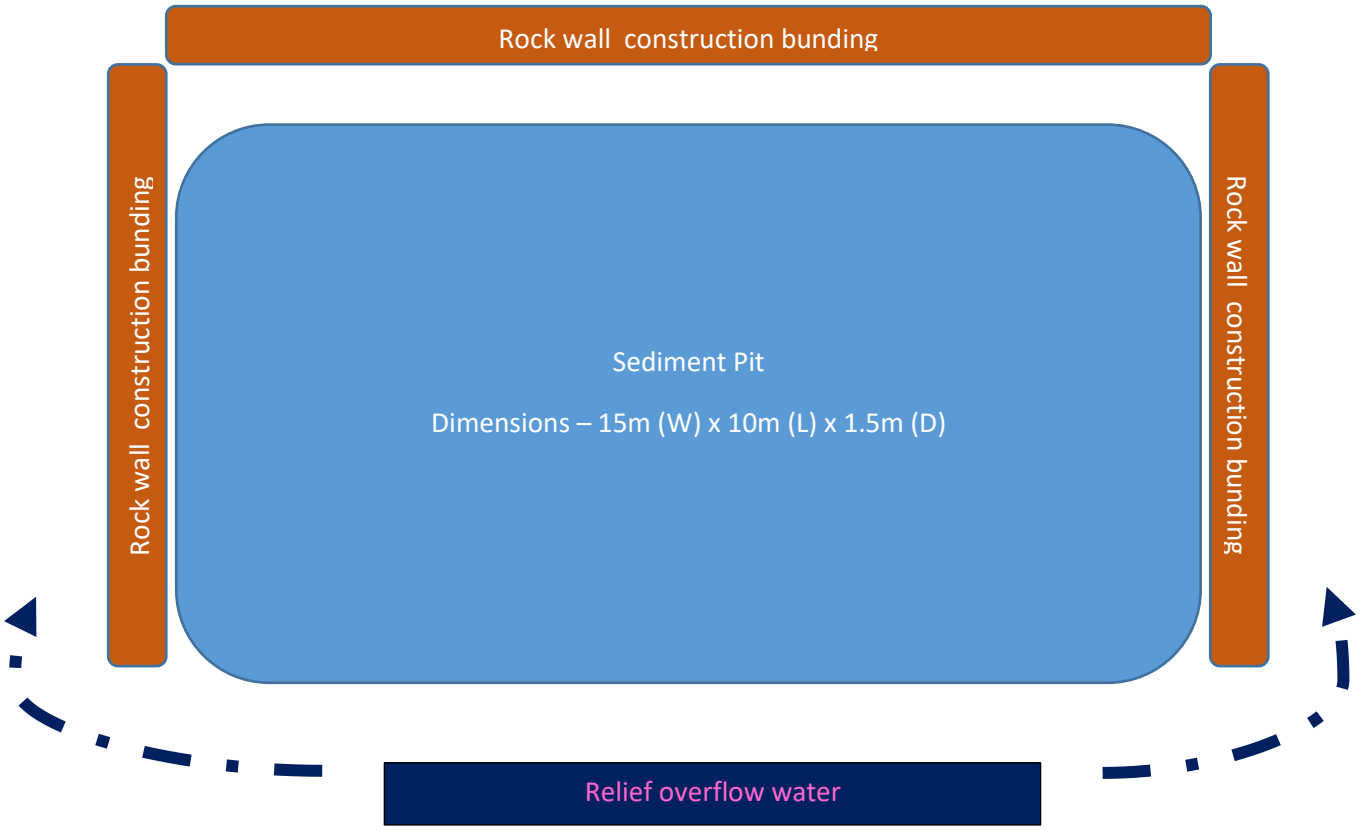
41 Towie Rd. Water Management Plan

Sediment pit cross section view



41 Towie Rd. Water Management Plan

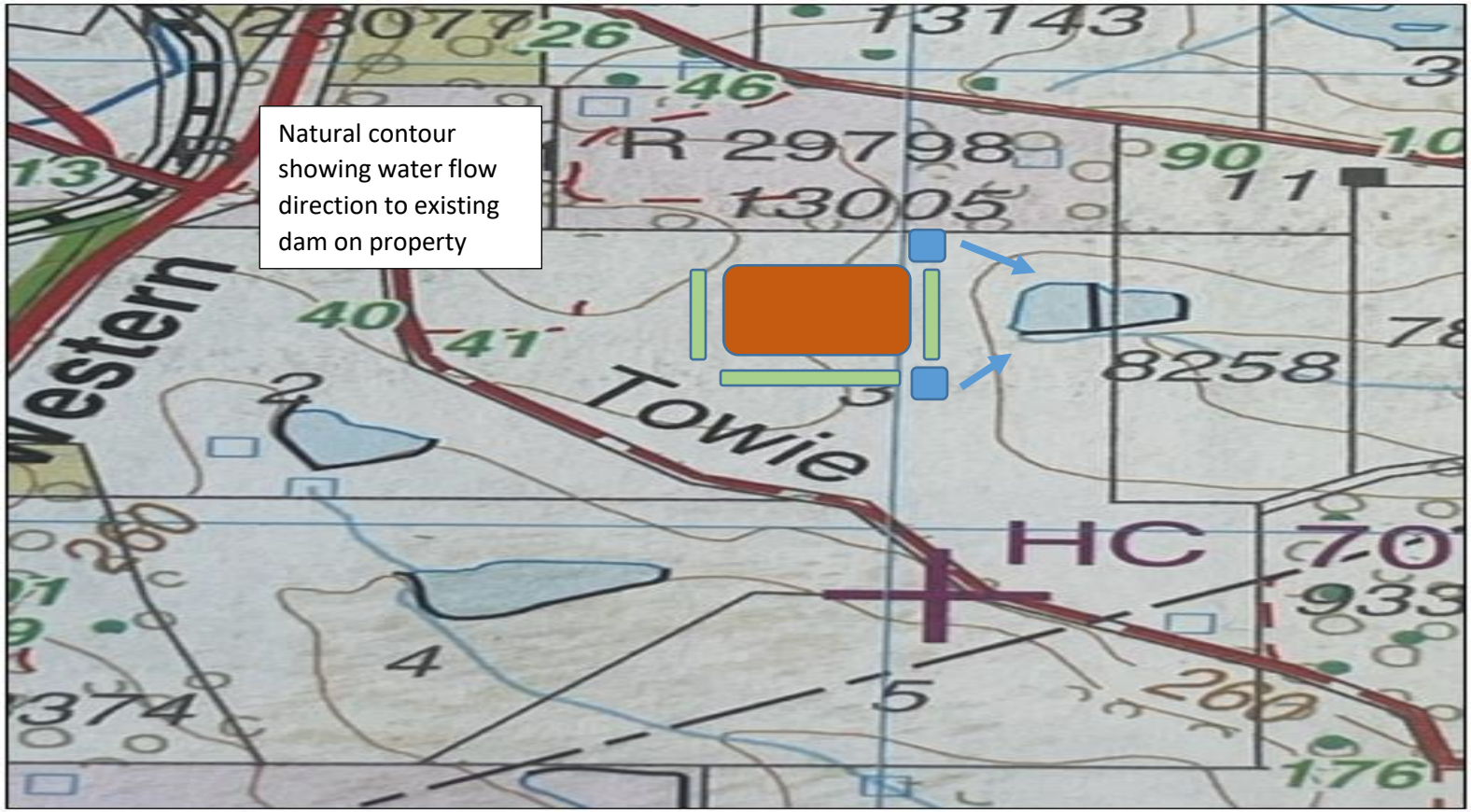
Sediment pit overview



41 Towie Rd. Water Management Plan

Contour map and pit overview

(Refer previous diagrams for closer water management design and construction)



41 Towie Rd. Water Management Plan

100 year rain event considerations and mitigation

As shown in attached 100 year rain event data available via the Bureau of Meteorology (BOM), the estimated amount of water collected/Ha is 380 000L.

As all water currently (prior to extractive activity) is permitted to shed naturally amongst current farm (within property) and local government (outside private boundary) infrastructure, the volume of water needed to be contained and controlled in such an event as estimated by BOM would be 380 000L.

As illustrated in the pit cross section diagram also attached, and the sediment pit diagram above, the total storage by constructed sediment pit and created through extractive activity are:

2x Sediment pit – 15m(w) x 10m(l) x 1.5m(d) = 450 000L

Extractive activity (Variable area) = 1000L/m2 operating

i.e. 100 year rain event conditions delivers less rainfall/m2 than created containment volume/m2
e.g. 40mm rainfall/hr on 1Ha = 400 000L
1Ha even at 1m depth = 1 000 000L containment capacity

Note: - Water run-off and waterborne silt will be caught across the water run-off area, or at end by the dam located at the bottom of the catchment area. This shall ensure to erosion created by extraction operations will not be allowed to flow and sediment in water drainage construction or water courses outside the pit property.

In the event additional risk management is desired, contour drains and banks can be constructed to direct water into dam, and divert catchment water above any extractive activity around to natural and currently acceptable dissipation and shedding areas.