

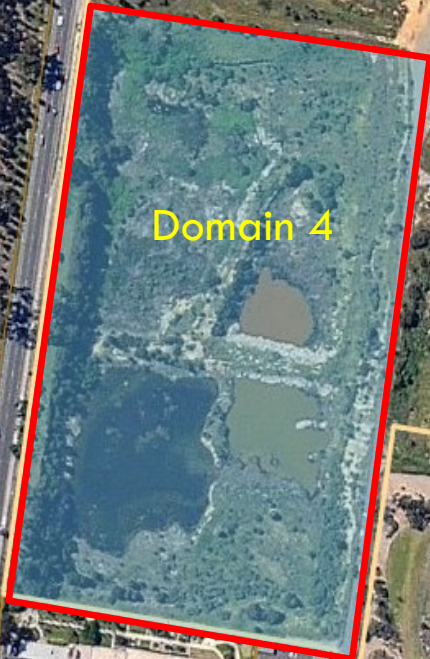
TALBOT VILLAGE

REGENERATION OF THE FORMER TALBOT QUARRY

DOMAIN 4 BACKFILLING COMMUNITY PRESENTATION

9 MARCH 2023

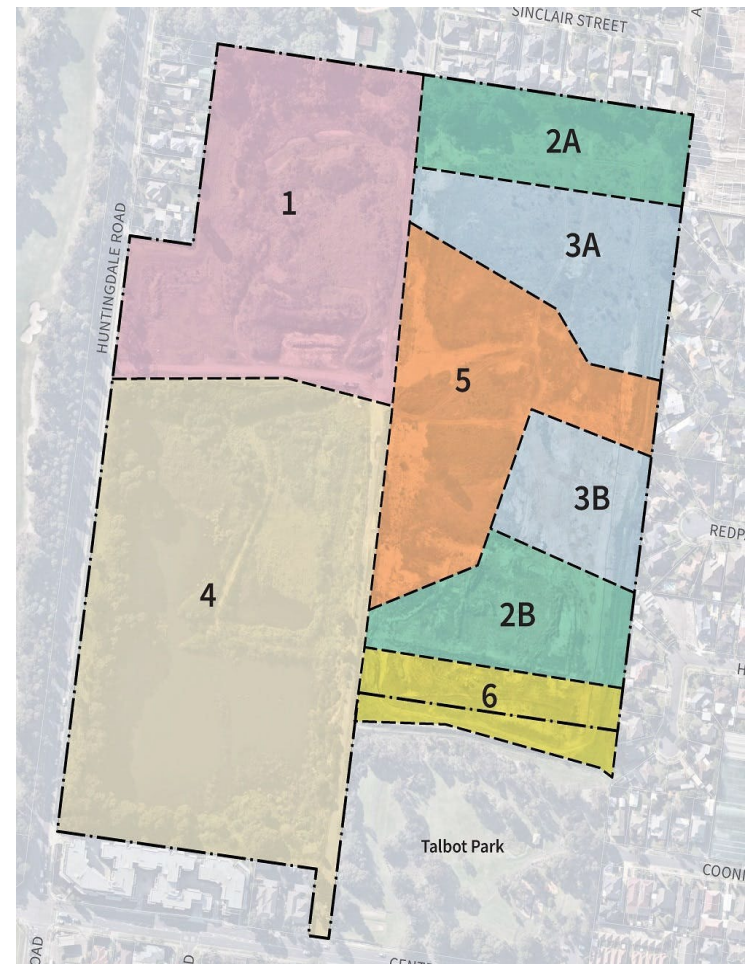
COUNCIL REFERENCE: TPA/54381



The Talbot Village site has been both used as a sand quarry and municipal landfill. From the 1950s to 1990s the site was used as a sand quarry and has been progressively backfilled since the 1970s. Part of the site (the section adjacent to Davies Reserve) was a former municipal landfill. A large section of the site remains an open quarry pit. Other parts of the site have been backfilled with slimes.

Based on previous uses and similar geotechnical properties, the site has been categorised in to 6 domains.

Domain	Condition
1	Former Council landfill (previously a quarry pit)
2A/B	Quarry pit backfilled with slimes and uncontrolled fill
3A/B	Quarry pit backfilled with slimes and uncontrolled fill
4	Existing quarry void, up to 20 metres deep, partially backfilled with uncontrolled fill and slimes
5	Former sand processing and concrete batching plant area, shallow slimes are present in some areas
6	Quarry pit backfilled with slimes, uncontrolled fill and construction & demolition debris (such as concrete and timber)



SITE CONDITION – DOMAIN 4

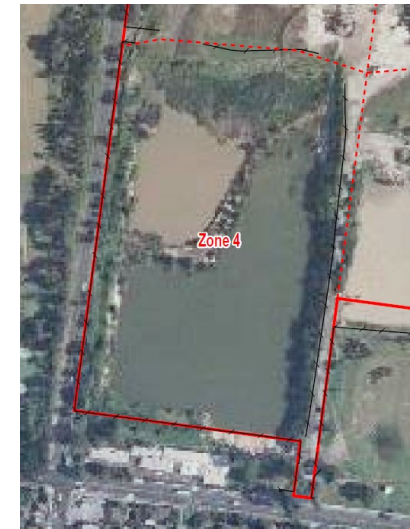


Current

- Excavated and partially backfilled to an open quarry pit during the 1970's – 1990's.
- Approx. 6 Hectares in area.
- 20m deep in the Southern Portion
- Southern Portion - contains standing water and up to 2m of silt and clay sediments.
- North Portion – partially filled with clay slimes and variable uncontrolled fill materials
- Environmental sampling conducted by Coffey in 2014 – fill materials comprise sandy clay with some bricks, concrete, tree roots and rocks.



1978



1992

SITE CONDITION



SITE CONDITION



SITE CONDITION



PROPOSED GROUND IMPROVEMENT WORK

(Planning Permit Application for backfilling the quarry pit, removal of Native Vegetation and alteration to an access to a transport Zone 2)



Huntingdale Estate Nominees Pty Ltd
Huntingdale Estate, Oakleigh South, VIC
Domain 4 Backfill Design Report
GEOTABTF09257AA-AQ Rev14
16 December 2022



Experience
comes to life
when it is
powered by
expertise

Geotechnical and Environmental Engineer: Tetra Tech Coffey

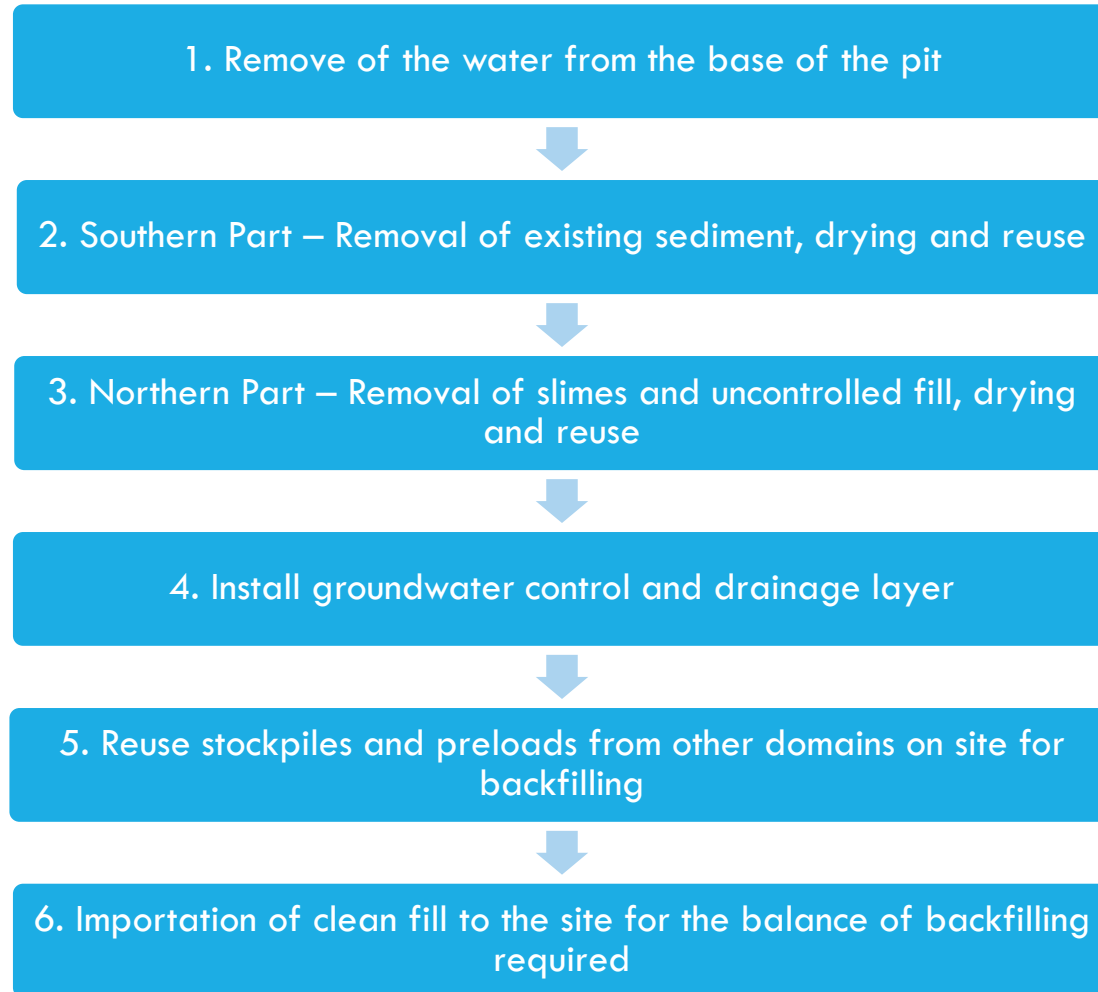
Tetra Tech Coffey is part of Tetra Tech, a leading provider of consulting and engineering services worldwide.

Forefront of specialisation in engineering, geotechnical, testing, environmental, and project management services.

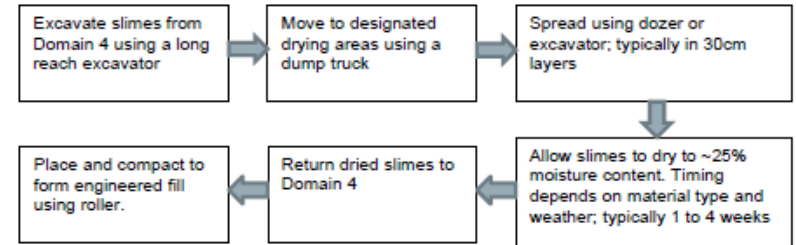
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PROPOSED GROUND IMPROVEMENT WORK

(Planning Permit Application for backfilling the quarry pit, removal of Native Vegetation and alteration to an access to a transport Zone 2)



REMOVAL / TREATMENT OF SEDIMENT AND SLIMES





Talbot Village, Oakleigh South

Domain 4 Batter Stability Assessment Report

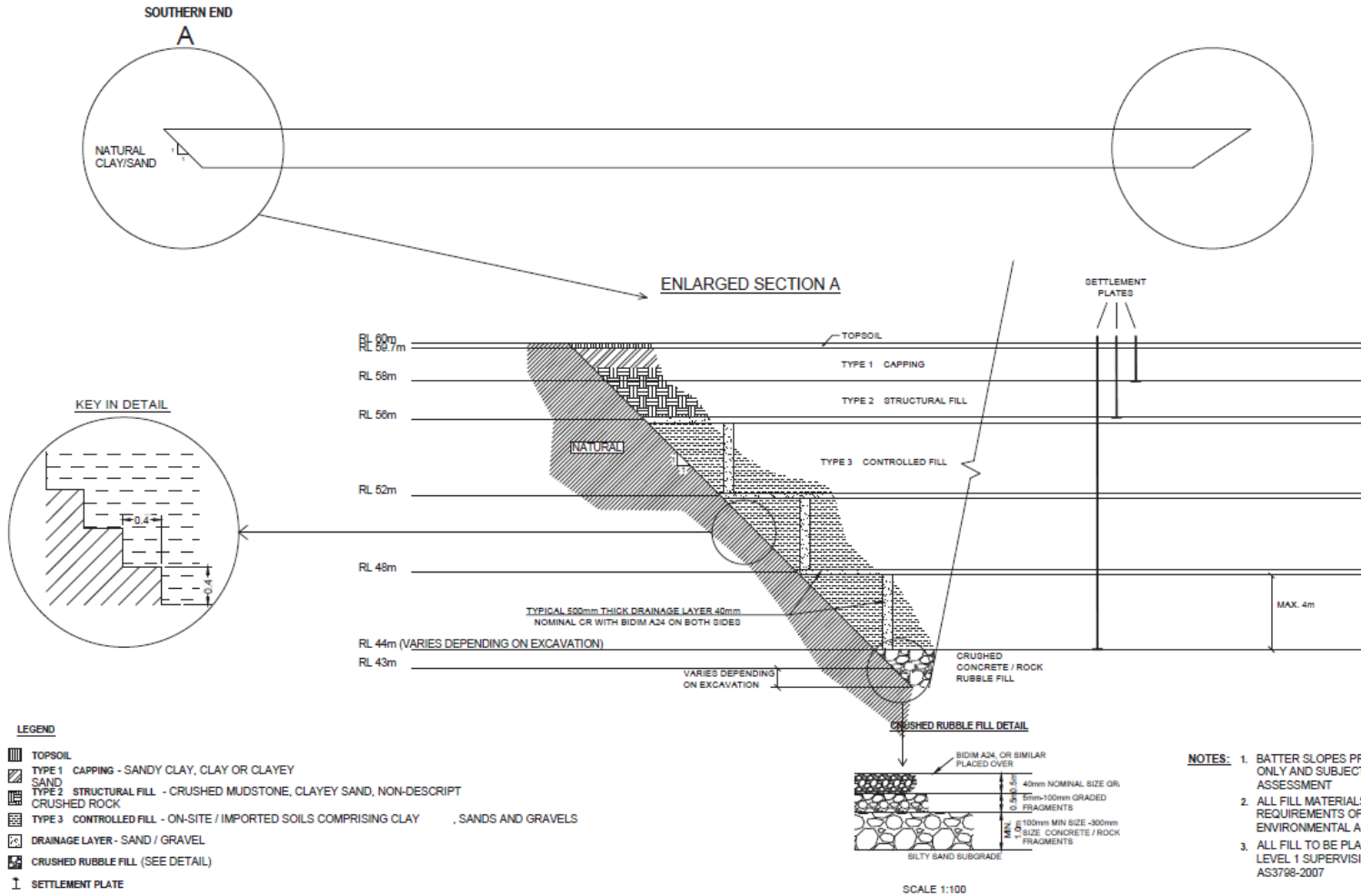
Huntingdale Estate Nominees Pty Ltd
c/- Sterling Global



Reference: 754-GEOTABTF09257AA-EG
21 September 2021

Tetra Tech Coffey undertook extensive stability analysis and modeling to ensure stability of the quarry edges are retained during the backfilling works. A comprehensive report was produced by Coffey in 2021 outlined various batter slope requirements and scenarios to ensure safety during the removal of water, slimes and backfilling works.

BACKFILL DETAIL

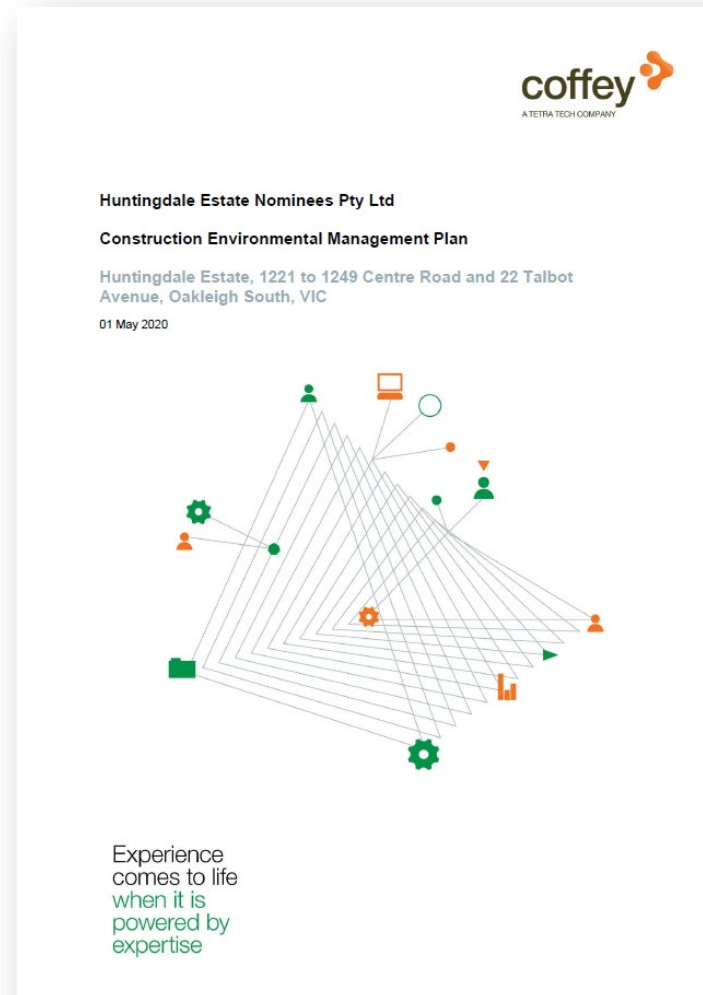


PROGRAM OF WORKS

The below represents an indicative program of works. The program is subject to change as works progress and may be influenced by weather or supply chain of preload material. Residents will be kept informed.

Activity	Likely timeframe
Removal of water	1 to 2 weeks
Removal/treatment of sediment	2 to 4 weeks
Removal/treatment of Slimes	4 to 16 weeks
Drainage layer works	8 to 16 months
Re-use of stockpiles and preload	6 to 12 months
Importing of remaining soils	1.5 to 3 years
Re-vegetation	2 to 4 weeks

- No Environment concerns in Domain 4, as it's not a landfill.
- All works are to be carried out in accordance with the Construction Environmental Management Plan(CEMP) attached to the Statement/s of Environmental Audit
- Landfill gas and groundwater monitoring will continue to occur in accordance with the monitoring plans endorsed by the EPA and Environmental Auditor contained within the CEMP and groundwater monitoring
- Any asbestos encountered will be managed in accordance with the appropriate regulations and health and safety laws



All works will be undertaken in accordance with the Construction Environmental Management Plan included in the environmental audit.

Dust

The contractor will take steps to minimize dust as best as possible:

- Minimising vehicle speed on site
- Limiting work on dry windy days
- Drying area minimum 40m away from boundaries.
- Water spraying on stockpiles and in works areas to suppress dust
- Application of dust suppressant on completed stockpile areas

Noise

Noise can be expected during site works. However, to minimise the impact to adjoining residents, working hours are proposed to be limited to:

- Monday to Friday – 7am – 6pm
- Saturdays – 8am to 12pm
- No work on Sundays or public holidays

Majority of the works and machinery will be within the quarry pit. Limit the amount of time working near neighbouring properties as best as possible.

When removing existing stockpiles/preloads from the other domain, a bund of stockpile material will be retained along the boundaries to assist with noise until such time as this is the last stockpile

Traffics

Construction access to the site is proposed to be only via the existing access on Huntingdale Road.





Stormwater

A set of temporary flood management requirements have been set for Domain 4 during and post the backfill works. These flood management items are used to ensure the site does not impact neighbouring residencies.

During backfilling works:

- Allow for temporary water basins within the quarry pit as it's progressively being filled – to be pumped to trade waste.
- 1m bunds to be installed around the drying area to contain run-off

Post backfilling works:

- Centralized Storage basin – more manageable size
- Swale to be installed along the southern boundary to re-direct water



Why does the quarry need to be backfilled now?

The current quarry pit is excessive in size and not accessible. It brings no benefit to the surrounding neighbourhoods and it can be a potential hazard for mosquitos and corrosions. The earlier the works can commence the better.

Is the work related to the rezoning process?

No - Regardless to the outcome of the rezoning process and the uses of the land, Domain 4 quarry is still required to backfilled.

How will the water be removed from the quarry?

The dewater process will occur over time – utilizing trade waste method (i.e. pumping through the sewer) or pumping across to the Huntingdale Golf Course.

Will the water basin be retained?

A smaller manageable size of water basin will be constructed at the end of the backfilling works.

Where does the imported material come from?

Typically, the material will be brought from the excavation of soil from other building or major work projects. The materials will be tested prior to being filled.

How can I stay involved?

For the duration of the works, Sterling Global will chair a Community Reference Group (CRG) which will help the community understand what's happening during construction and provide us local perspective to help us manage construction impacts. Local residents will be invited to express their interest prior to works commencing and meetings will be held regularly.

You can contact us in the following ways:

- Call us on 9021 0616
- Email us at hello@talbotvillage.com.au

Community Reference Group:

In line with previous permit and works on the site, a community consultative committee will be re-established to liaise with all parties to raise or resolve any ongoing issues associated with the project. Residents and landowners surrounding the development will be invited to participate in the community consultative committee prior to the work commence.