

APPENDIX D

CGL Site Visit Records

Record of Site Visit No. 001

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	22/12/2021
Weather:	Dry, cold		
Site visit by	ALD	Project Manager	Phil West
On site	9:20		
Off site	10:40		
Visitors	N/A		

Met Alex Fowler (TSL Site Manager) in site cabins to discuss the project and requirements for earthworks validation.

Works are currently at the demolition stage, client is waiting on the financial go-ahead for the earthworks phase. Until then, the concrete slabs and underground structures are currently being removed and levels being reduced by 1-2m to “plateau level” (formation level?). This reduced dig includes the removal of the concrete substructures and excavation of the underlying Made Ground fill, both of which are being processed for re-use. The demolition phase is scheduled to be completed by end of February, with earthworks undertaken concurrently if instructed before this.

Site has been segregated into a grid pattern to record material movements and placement. Client confirmed that all records are being kept electronically on their document management system which can be made available when requested.

Two stockpiles currently on site – demolition material that is awaiting crushing and crushed 6F4. Stockpile testing will commence on instruction of earthworks phase. The plans currently indicate that some 11,000m³ of site-won material will be produced, however the existing stockpile of un-crushed demo material is much larger than this

An area in the north of the site (approximately 50m x 50m) has been reduced to plateau level. This area has been vibro rolled and tested (plate loads I believe). I highlighted the risk of damage/weathering while waiting for instruction for the earthworks phase which could be mitigated by covering with membrane or sacrificial layer in the meantime, client said they would look in to it. The rolled plateau level was generally described as an “orangish brown sandy gravelly CLAY or 2C class material” with the gravel comprising flint, concrete and brick.

Segregated area for U1 material was present in south-west of site in bunded, tarped and fenced-off area. Recently used for U1 material excavated from around a borehole which had elevated thallium concentrations. EPG have full-time site presence and are undertaking the verification of contaminated materials i.e. sampling and testing of U1 materials. These records are being provided to TSL on a monthly basis via an electronic report.

As earthworks had not commenced, I re-iterated the importance of maintaining regular, organised and electronic records of all material movements, placement and testing.

Photos of general site condition, current stockpiles and area at formation level are on PIMs

Record of Site Visit No. 002

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	13.01.2022
Weather:	Dry, cold		
Site visit by	ALC	Project Manager	Phil West
On site	10:00		
Off site	14:30		
Visitors	N/A		

Met Charlie O'Sullivan (TSL Site Manager) and Alex Fowler.

Current Works:-

- Breaking out and crushing concrete substructures (foundations, piles) and concrete slabs in eastern area of site. Concrete foundations are up to 1.5m thick.
- Levelling and rolling of platform at formation level in western area of site completed.
- Levelling and rolling north of building footprint. Material is Class 2C stony cohesive (fill, made ground) comprising orangish brown sandy gravelly clay with the gravel of flint, concrete and brick. Appears to be consistent with material placed on finished eastern area of platform, and stockpile of fill across northern area, with vary quantities of gravel.
- Concrete slab along northern boundary not excavated. Gas pipeline present.
- Central building area filled. Trimmed and CBR tested only along northern edge.

Earthworks Movements and Control

Earthworks Contractor: Collins

Site is segregated into a grid pattern to record material movements and placement, and earthworks testing.

Four main stockpiles currently on site in the southern area, which comprise: -

- x2 stockpiles of demolition material that is awaiting crushing;
- x1 crushed 6F2;
- x1 crushed Type 1;

The platform is being vibro rolled in accordance with Table 6/4, 4 passes, 125mm thick layers.

Earthworks Testing

Earthworks Testing: CTS (contracted by Collins)

Only CBR test results have been received to date. Still awaiting geotechnical laboratory test results. Charlie (TSL) is chasing Collins.

U1 material on site – rebar from concrete slabs and substructures, stockpiled in east side of site, to be disposed off site as scrap metal.



General view, northwest corner, incomplete.



Excavation extent along northern boundary incomplete. Gas main present.



Western platform Class 2C rolled fill, completed.



CBR plate load testing in central north area.



Concrete foundations excavated from eastern area.



Concrete stockpiled for crushing.



Breaking out concrete slab and substructures in eastern area.



Profile section through edge of filled area to building footprint in centre of site.

Record of Site Visit No. 003

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	27.01.2022
Weather:	Dry, cold, sunny		
Site visit by	ALC	Project Manager	Phil West
On site	11:40		
Off site	15:00		
Visitors	N/A		

Charlie O'Sullivan (TSL Site Manager) and Alex Fowler on site.

Current Works:-

- Breaking out and crushing concrete substructures (foundations, piles) and concrete slabs in eastern area. Concrete foundations are up to 1.5m thick in southern area of site.
- Trimming and levelling plateau area in northern area of site. Levels have been reduced by 1m-2m thick in north and northeast of site. Material is 2C stony cohesive material (fill, made ground) comprising orangish brown sandy gravelly clay with the gravel comprising flint, concrete and brick.

Earthworks Movements and Control

Earthworks Contractor: Collins

Four main stockpiles currently on site in the southern area, which comprise: -

- x2 stockpiles of demolition material, awaiting recycling processing and crushing;
- x1 recycled aggregate 6F5;
- x1 recycled aggregate Type 1;

The northern strip of the building footprint has been reduced to a platform at formation level +100mm, and rolled. The plateau has been vibro rolled in accordance with Table 6/4, 4 passes in layers of 225mm with 19T roller. Plant used x3 excavators, x2 Volvo dumpers and 19 tonne smooth wheeled roller.

Earthworks Testing

Earthworks Testing: CTS (contracted by Collins)

CBR testing observed on site. Grid test locations F8, H11, H12, J13 and K13 – all >5%.

NDM testing observed at grid locations B6-B10, C6-C10 and D6 – D10.

Sampling of fill (Class 2C) for material acceptability testing.

U1 material (metal from concrete slabs and substructures) is stockpiled and awaiting disposal off site as scrap metal.

Record of Site Visit No. 004

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	01.02.2022
Weather:	Dry, cold, sunny		
Site visit by	ALC	Project Manager	Phil West
On site	10:00		
Off site	15:30		
Visitors	N/A		

Charlie O'Sullivan (TSL Site Manager) and Alex Fowler on site.

Current Works:-

- Breaking out and crushing concrete substructures (foundations, piles) and concrete slabs. Concrete foundations are up to 1.5m thick in southern area of site.
- Trimming and levelling plateau area in northern area of site. Material is 2C stony cohesive material (fill, made ground) comprising orangish brown sandy gravelly clay with the gravel comprising flint, concrete and brick.

Earthworks Movements and Control

Earthworks Contractor: Collins

Four main stockpiles currently on site in the southern area, which comprise: -

- x2 stockpiles of demolition material, awaiting recycling processing and crushing;
- x1 recycled aggregate 6F5;
- x1 recycled aggregate Type 1;

The area to the north, approximately 300m x 150m has been reduced to a plateau at formation level +100mm, and is being trimmed/levelled to remove undulations prior to formation level +100mm topo survey to sign off.

The plateau has been vibro rolled in accordance with Table 6/4, 4 passes in layers of 225mm with 19T roller.

Plant used x3 excavators, x2 Volvo dumpers and 19 tonne smooth wheeled roller.

Earthworks Testing

Earthworks Testing: CTS (contracted by Collins)

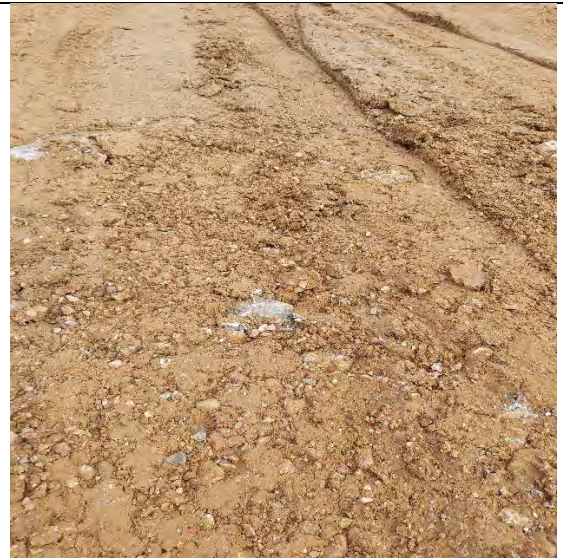
Only CBR test results have been received to date. Still awaiting geotechnical laboratory test results. Charlie (TSL) is chasing Collins.

Testing/sampling undertaken by CTS:- insitu CBR plate test, NGD (on formation +100mm). Sampling x60 bulks of Type 1 for laboratory testing.

U1 material (metal from concrete slabs and substructures) is stockpiled and awaiting disposal off site as scrap metal.



Rolled formation surface in south east area of site with stockpiled Class 2C.



Gravel in formation Class 2C.



Fill prior to rolling.



Excavated reinforced concrete piles.



General view of deep concrete foundation excavation in southern area.



General view of deep concrete foundation excavation in southern area.



Northern strip completed to formation.



Excavation of concrete foundations eastern area of site.



Head Gravel in excavation beneath Made Ground.



Excavation of concrete substructure.



Crushing concrete, Class 6F5.



Class 6F5 crushed concrete.

Record of Site Visit No. 005

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	10.02.2022
Weather:	Intermittent rain, cold, sunny		
Site visit by	ALC	Project Manager	Phil West
On site	12:50		
Off site	16:40		
Visitors	N/A		

Met Charlie O'Sullivan (TSL Site Manager) and Alex Fowler who confirmed the following:

- 1,505m³ cut current volume
- 4,324m³ of current fill required
- Anticipated export is now 1,500m³ in deficit due to increased volume of concrete foundations/structures encountered.
- Level is 15.050mOD (formation level 14.950mOD +100mm protection layer).
- Pinnacle had based works on 200mm strip.

Current Works:-

- Breaking out and crushing concrete substructures (foundations, piles) and concrete slabs in eastern area. Concrete foundations are up to 1.5m thick in southern area of site.
- Trimming and levelling and rolling plateau area in north-east area. Rest of area north of strip complete.
- Filling in southern area of building footprint. Building footprint finished, rolled and tested.

Earthworks Movements and Control

Earthworks Contractor: Collins

Four main stockpiles currently on site in the southern area, which comprise: -

- x2 stockpiles of demolition material, awaiting recycling processing and crushing;
- x1 recycled aggregate 6F5;
- x1 recycled aggregate Type 1;

The plateau has been vibro rolled in accordance with Table 6/4, 4 passes in layers of 225mm with 19T roller. Plant used x3 excavators, x2 Volvo dumpers and 19 tonne smooth wheeled roller.

Earthworks Testing

Earthworks Testing: CTS (contracted by Collins)

CTS present on site, CBR/NGD testing F3 and F5(building footprint (retest)).

U1 material (metal from concrete slabs and substructures) is stockpiled and awaiting disposal off site as scrap metal.



View looking east.



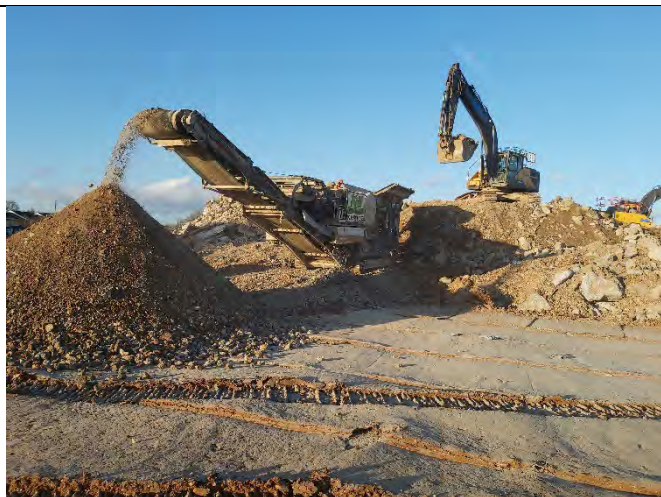
Excavation of concrete foundations in southern area of site.



Class 2C gravel content of rolled fill material.



Excavation of reinforced concrete piles.



Crushing concrete to 6F5.



Ponded water on top of formation sacrificial layer.

Record of Site Visit No. 006

Site:	Havant - Earthworks	Job No.	CGK/00218
Client:	TSL Limited	Date	22.02.2022
Weather:	Dry, cold, sunny		
Site visit by	ALC	Project Manager	Phil West
On site	09:50		
Off site	15:10		
Visitors	N/A		

Met Charlie O'Sullivan (TSL Site Manager) and Alex Fowler.

Current Works:-

- Breaking out and crushing concrete substructures (foundations, piles) and concrete slabs in eastern area. Concrete foundations are up to 1.5m thick in southern area of site. Filling excavations and east of building footprint. U1 material on site – rebar from concrete slabs and substructures, stockpiled in east side of site, to be disposed off site as scrap metal.
- Trimming and levelling and rolling plateau area in north-east area. Rest of area north of strip complete.
- Formation strip west and southeast of building, and building footprint, filled, rolled and tested.
- Recycled aggregate stockpiles and haul road to the south and south-west of building still present.
- Areas still to complete filling are:- east of building footprint where substructure excavations are being filled H4 – H10, J7 to J10, K4 – K7, and stockpile areas in southeast corner K2 – K3. Stockpiles in the southwest corner C2 - C3 and D2 - D3 need to be removed before the formation can be prepared and completed.

Earthworks Movements and Control

Earthworks Contractor: Collins

Site is segregated into a grid pattern to record material movements and placement, and earthworks testing.

Four main stockpiles currently on site in the southern area, which comprise: -

- x2 stockpiles of demolition material that is awaiting crushing;
- x1 crushed 6F2;
- x1 crushed Type 1;

The platform is being vibro rolled in accordance with Table 6/4, 4 passes, 125mm thick layers.

Earthworks Testing

Earthworks Testing: CTS (contracted by Collins)

Vincent (CTS) visited site to observe CBR/NGD testing along eastern strip beneath removed slab.

CBR/NGD testing at K5 – K9, H7 and J7.

Geotechnical laboratory test results provided by TSL up to 22/03/22. Material acceptability testing up to date. NGDs and CBRs provided up to 22/03/22.



General view, looking north, incomplected fill to east of building footprint.



General view looking east along northern site boundary.



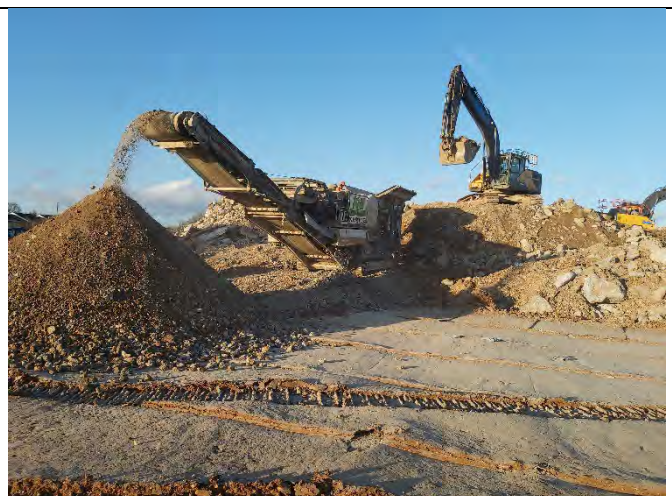
General view looking to northwest corner. Poned water following wet weather and storms on sacrificial layer.



General view looking to northeast corner. Poned water following wet weather and storms on sacrificial layer.



General view looking southeast.



Crushing concrete to recycled aggregate in southwest of site.