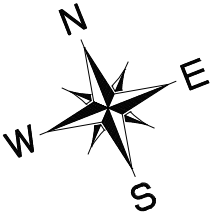


APPENDIX A

Pre-Existing Development Plan

APPENDIX B

Testing Grid and Regime Plan (showing proposed building footprint)



- Notes:
- ### Testing Requirements
- Compliance testing
The following compliance testing suit shall be undertaken. 3 per source.
- Grading. 1000m³
 - MC. 500m³
 - Uniformity Coefficient. L.A Coefficient. 1000m³
 - OMC. (4.5kg Rammer Class 1 & 2.5kg Rammer Class 2) 2000m³
 - MCV. 1000m³
 - Liquid Limit. 1000m³
 - Plastic Index. 1000m³
 - Undrained Shear Strength. 1000m³
 - Permeability. 1000m³
 - Organic Matter.
- In situ Testing Requirements
- 1 no. Mexe Prove to be undertaken every grid square per layer to achieve >5% CBR (Granular Fill). Where MEXE probe testing is not appropriate, DCP testing should be adopted.
 - 1 no. Hand Shear Vane to be undertaken every grid square per layer to achieve 80kN/m² (Cohesive Fill)
 - 1 no. In-Situ Dry Density test to be undertaken every grid square per layer via NDG to achieve 95% MDD via Vib Hammer (Class 1), 95% MDD and 5% Air Voids via 2.5kg rammer (Class 2A & 2C) and 100% MDD and 5% Air Voids via 2.5kg rammer (Class 2B & 7) Note, 5NDG to 1 Sand Replacement.
 - 1 no. 600mm Incremental Plate Load Test to be undertaken on Formation every grid square per layer to be calculated using $E = 0.7 \times E_u$ the stress range Zero to 200kPa all loads to be maintained for minimum 10mins and until the rate of plate settlement is <0.01mm per minute over 3minutes.
 - 1 no. 450mm Plate Load test to be undertaken on the cemented sub-base replacement layer every grid square per layer to achieve >15% CBR.
 - 1 no. 450mm Plate Load test to be undertaken within every grid square in the building footprint and every 2,500m² in externals to achieve >30% CBR.
- Lime / Cement Modified Fill
- 1 no. MCV test to be undertaken per 1,000m² of lime / cement modified material. (1 no. MCV Calibration required per material type)
 - 1 no. Pulverisation test to be undertaken every 1,000m² of lime / cement modified material to achieve >30% on limed material & >70% on cemented material.
 - 1 no. soak CBR to be undertaken on lime / cement modified material 1 per 2,500m² (minimum of 1 per day when lime stabilising)
 - 1 no. total sulphur and total sulphate tests to be undertaken 1 per 1,000m³ on as-dug material before being lime / cement modified material.
 - 3 no. Frost Susceptibility test to be undertaken on cement modified material to achieve <15mm heave.
- Compaction Requirements
- Each class of material is to receive the following amount of passes with a 20 Tonne vibratory roller (mass per metre >5000kg):
- General fill material; 225mm = 8 passes following review of compaction trial
 - Selected Fill material; 225mm = 8 passes following review of compaction trial
 - Cement modified material (9); <300mm depth = 12 passes
 - Type 1 material; <225mm = 5 passes
 - The finished formation level shall be re-trimmed to have a surface level tolerance within +20mm and -30mm. Following re-trimming, the formation shall be rolled with 1 pass of a 20 Tonne vibratory roller.

- Key
- Black grid lines spaced at 25m x 25m. Use grid squares!! (not intersections)
 - Pink numbers representing the predicted number of layers between OGL Stripped and Finished Formation in each grid square (225mm Layers)
 - Building Footprint:

P05	24-01-22	Updated the Tesing Regime	SH	PG
P01	18-11-21	Original Issue	GB	SH
Rev	Date	Revision detail	By	Chk'd

Client:

TSL
PROJECTS

Project:

Havant

Title:

Testing Grid & Regime

Status:

APPROVAL

Suitability:

S4

Drawing no:

C200810-CEL-XX-XX-DR-X-CTG444-XX

Internal Ref:

CTG444 Rev P05

Rev:

P05

Date:

24-01-2022

Scale:

N/A

Drawn:

SH

Checked:

PG

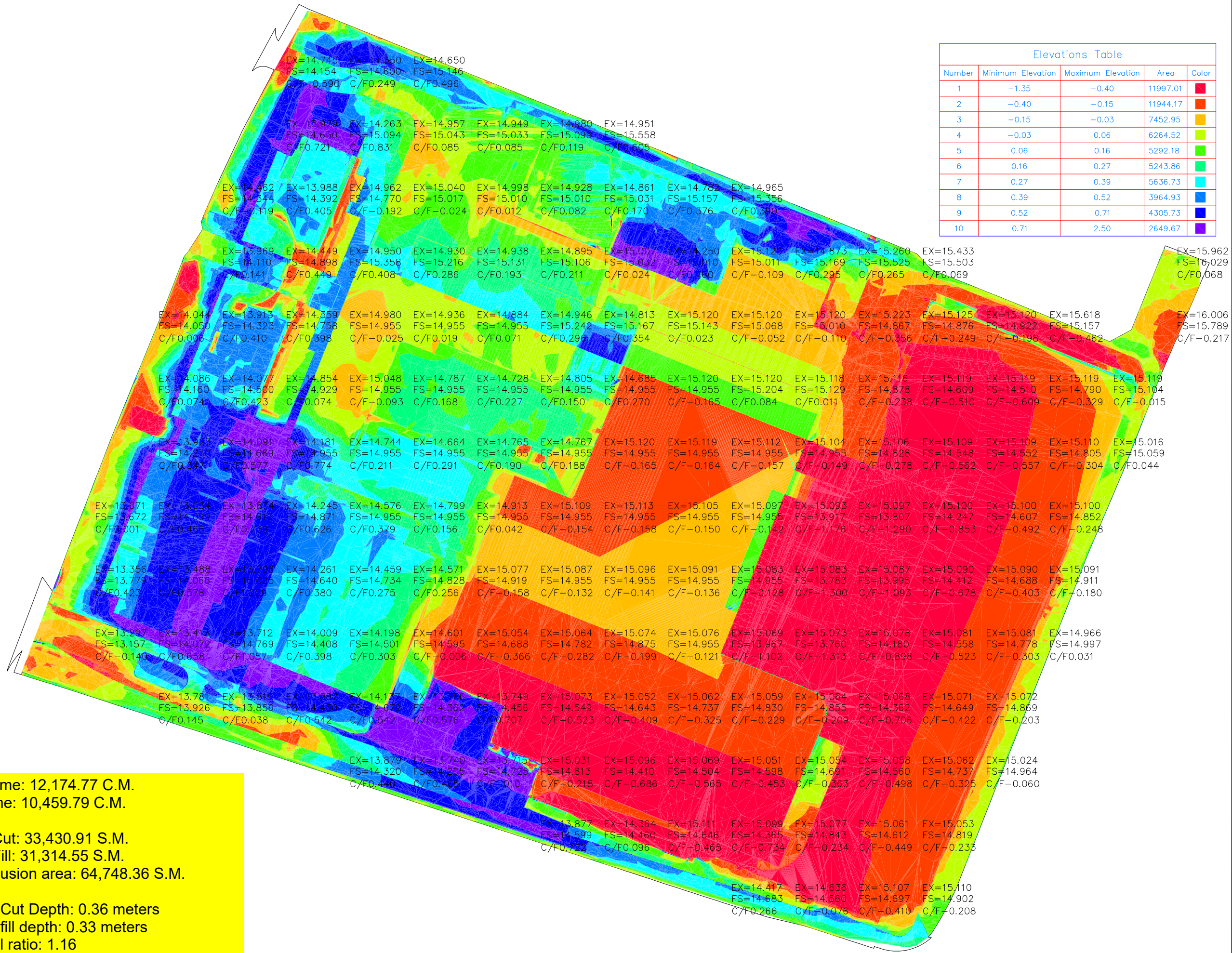
Approved:

PG

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL

APPENDIX C

TSL Cut/Fill Isopachyte Plan



Elevations Table				
Number	Minimum Elevation	Maximum Elevation	Area	Color
1	-1.35	-0.40	11997.01	
2	-0.40	-0.15	11944.17	
3	-0.15	-0.03	7452.95	
4	-0.03	0.06	6264.52	
5	0.06	0.16	5292.18	
6	0.16	0.27	5243.86	
7	0.27	0.39	5636.73	
8	0.39	0.52	3964.93	
9	0.52	0.71	4305.73	
10	0.71	2.50	2649.67	

19/10/21	P08	B
06/10/21	FIRST ISSUE	A
DRAWN BY: RT	REVISION:	-



CLIENT		

Havont all site 200mm Strip Isopachyte		
DATE: 19/10/21	DRAWING NUMBER : TSL - 529 - 005	
SCALE DO NOT SCALE	CHECKED RT	APPROVED RT