

Project No: D315409

Job No: J433998

18 December 2023

Elberton Property 14 Pty Ltd
Level 1, 315 Rokeby Road
Subiaco WA 6008

EARTHWORKS COMPLETION REPORT

#57 – 63 GERARD STREET, EAST CANNINGTON

1. INTRODUCTION

At the request of Elberton Property 14 Pty Ltd, representatives from Structerre Consulting have attended the above site to undertake an Earthworks Assessment including the following:

- Base Assessment - 6 June 2023;
- Fill Assessment - 18 July 2023; and
- Final Audit - 13 December 2023

The purpose of the assessments was to provide a Site Classification in accordance with AS 2870-2011 “Residential slabs and footings”, after completion of subdivisional earthworks #57 – 63 Gerard Street, East Cannington.

Galt Geotechnics have previously conducted a Geotechnical Investigation of the site in November 2022 and provided earthworks recommendations for the Lot (refer to Galt Geotechnics Geotechnical Investigation Report reference J2201245-01 001 R Rev0 dated 30 November 2022).

A copy of the site plan outlining the development is attached to this letter (Appendix 1).

2. INITIAL SITE CLASSIFICATION & RECOMMENDATIONS

Galt Geotechnics Geotechnical Report classified the site as Class “S” in accordance with AS2870-2011, providing the following earthwork recommendations were undertaken:

- Removal of uncontrolled fill, topsoil and unsuitable materials,
- Proof compaction of the excavated base after clearing of topsoils and uncontrolled fills,
- Backfilling with compacted structural fill to final ground levels.

3. FIELDWORK AND FIELDWORK RESULTS

A representative from Structerre attended the site during and after completion of the earthworks and conducted 3 hand auger boreholes to confirm adequate removal of all unsuitable materials and 49 Perth Sand Penetrometer (PSP) tests were performed in accordance with AS 1289 6.3.3 to confirm adequate compaction of the fill and underlying natural ground.

4. CONCLUSION


Based on the information provided by The Client (confirming the recommended earthworks have been completed as per Galt Geotechnics November 2022 Geotechnical Report), and additional site testing conducted by Structerre on 6 June, 18 July and 13 December 2023, the site is considered to be classified as Class "S" as outlined in AS 2870-2011.

This assessment is based on the site condition at the time of testing by Structerre. No allowance has been made for future disturbance for installation of underground services, or additional earthworks by builders or others. Builders should carry out their own compaction checks on a lot-by-lot basis, compacting any localised loose areas where necessary.

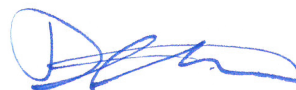
Please note that the horizontal and vertical limits of the earthworks were determined by others, and as such, Structerre does not provide any comment as to whether these aspects are compliant with the plans and specifications for the project. Structerre does not guarantee earthwork construction, nor relieve the earthwork contractor of their responsibility to perform the earthworks in accordance to the contract plans and specifications.

We trust this meets with your requirements. Should you require any additional information, or clarification of the above, please contact the undersigned

For and behalf of
STRUCTERRE CONSULTING



Margie Mortera
Geotechnical Assistant



Authorised By: David Harding
Employee Title: Geotechnical Supervisor

Appendices:

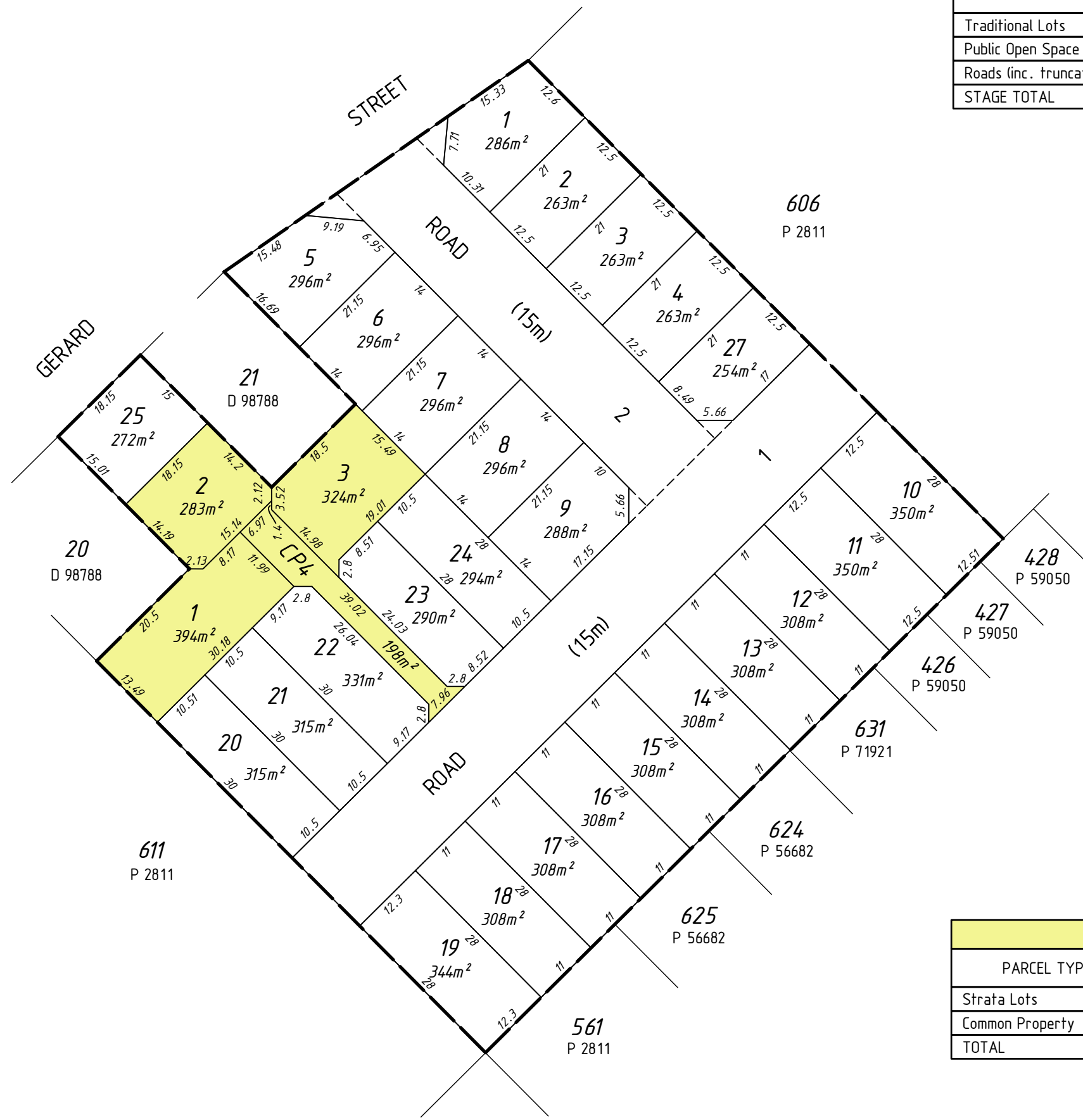
1. Appendix 1 – Site plan Provided by the Client
2. Appendix 2 – PSP Location Plan and PSP Results

References:

1. AS3798 – 2007 Guidelines on earthworks for commercial and residential developments.
2. AS1289 – Method of testing soil for engineering purposes.
3. AS2870 – 2011 Residential slabs and footings.

APPENDIX 1 – SITE PLAN PROVIDED BY THE CLIENT

STAGE 1 STATISTICS			
PARCEL TYPE	MAP SYMBOL	NUMBER OF PARCELS	AREA (ha)
Traditional Lots		27	0.9016
Public Open Space	P.O.S.	0	0
Roads (inc. truncations)			0.2780
STAGE TOTAL		27	1.1796



LOT 26 STATISTICS			
PARCEL TYPE	MAP SYMBOL	NUMBER OF PARCELS	AREA (ha)
Strata Lots		3	0.1000
Common Property	CP	1	0.0198
TOTAL		4	0.1198

Ver.	Description	Drawn	Date	Checked
D	Amend lots 1-4 to add lot 27	SCL	19/05/2023	RJR
C	Amend Truncations - Lots 1, 4, 5 and 9	WHD	15/02/2023	RJR
B	Add Survey Strata Lots Within Lot 26	WHD	30/01/2023	RJR
A	Initial Issue	APO	22/12/2022	RJR

7.5 0 SCALE 1:750 @ A3 30
ALL DISTANCES ARE IN METRES

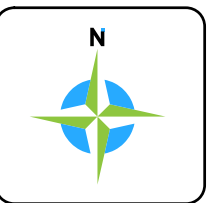
For a true to scale reproduction of this plan, plot it to A3 with the Paging Scaling set to None.

The contents of this plan are current and correct as of the date stated within the revision panel. All consultants and persons wishing to utilise this data should satisfy themselves of this plans currency by contacting the Mullen Nolan Group.

FILES
map:CGO- 10524.1
Control Register- 10524.1
File Name- 10524_lpr-002d.dwg

PRECAL LEGEND
See below Lot Statistics for further information

- Stage Boundary
- Vehicle Access Restriction
- Potential Dwellings / Lot



PLANNER'S DESIGN SOURCE for Rev D
Planner - Elberton
Received date- 04/05/2023
File name- Revised Plan 162934 (Stamped)

ENGINEER'S DESIGN SOURCE for Rev
Engineer -
Received date-
Data purpose-

MC MULLEN NOLAN GROUP
Level 1, 2 Sabre Crescent
Jandakot, W.A. 6164
PO Box 3526, Success
W.A. 6964, Australia
Offices in: Perth | Melbourne | Kimberley | South West WA

Tel: (08) 6436 1599
Fax: (08) 6436 1500
info@mngsurvey.com.au
www.mngsurvey.com.au
ABN 90 009 363 311

All areas and dimensions depicted on this plan are subject to survey and Landgate registration. All cadastral information external to this stage/s which form the subject of this plan are not guaranteed and are supplied as a guide only.

Lots 22, 607 & 608 Gerard Street
East Cannington

CLIENT:
**ELBERTON PROPERTY
14 PTY LTD**

Project Mngr.: Rob Rhodes Datum: PCLG94

105241 - 002 - D
Job Number Plan Number Version

APPENDIX 2 - PSP LOCATION PLAN AND PSP RESULTS

PERTH SAND PENETROMETER TEST – AS1289 6.3.3

Test No	1	2	3	4	5	6	7	8	9	10
Location	#57-63 Gerard Street, East Cannington									
Lot No	1	1	1	2	2	3	3	4	4	5
Level	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L
Retaining Wall	-	*	*	-	*	-	*	-	*	-
	Blows Per Layer									
0-150	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set
150-450	18	8	6	18	6	14	6	19	7	18
450-750	25+R	12	14	25+R	18	25+R	16	25+R	18	25+R
750-1050		22	24		25+R		25+R		25+R	

- * Denotes testing performed within retaining wall fill.
- R Denotes refusal.

PERTH SAND PENETROMETER TEST – AS1289 6.3.3

Test No	11	12	13	14	15	16	17	18	19	20
Location	#57-63 Gerard Street, East Cannington									
Lot No	5	5	6	6	7	8	9	10	10	10
Level	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L
Retaining Wall	*	*	-	*	-	-	-	-	*	*
	Blows Per Layer									
0-150	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set
150-450	7	7	20	8	23	18	18	15	11	10
450-750	13	18	25+R	19	25+R	25+R	25+R	25+R	21	23
750-1050	25+R	25+R		25+R					25+R	25+R

- * Denotes testing performed within retaining wall fill.
- R Denotes refusal.

PERTH SAND PENETROMETER TEST – AS1289 6.3.3

Test No	21	22	23	24	25	26	27	28	29	30
Location	#57-63 Gerard Street, East Cannington									
Lot No	11	12	13	14	15	16	17	18	19	20
Level	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L
Retaining Wall	-	-	-	-	-	-	-	-	-	-
	Blows Per Layer									
0-150	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set
150-450	18	17	17	17	18	18	19	17	20	22
450-750	25+R	25+R	25+R	25+R	25+R	25+R	25+R	25+R	25+R	25+R
750-1050										

- * Denotes testing performed within retaining wall fill.
- R Denotes refusal.

PERTH SAND PENETROMETER TEST – AS1289 6.3.3

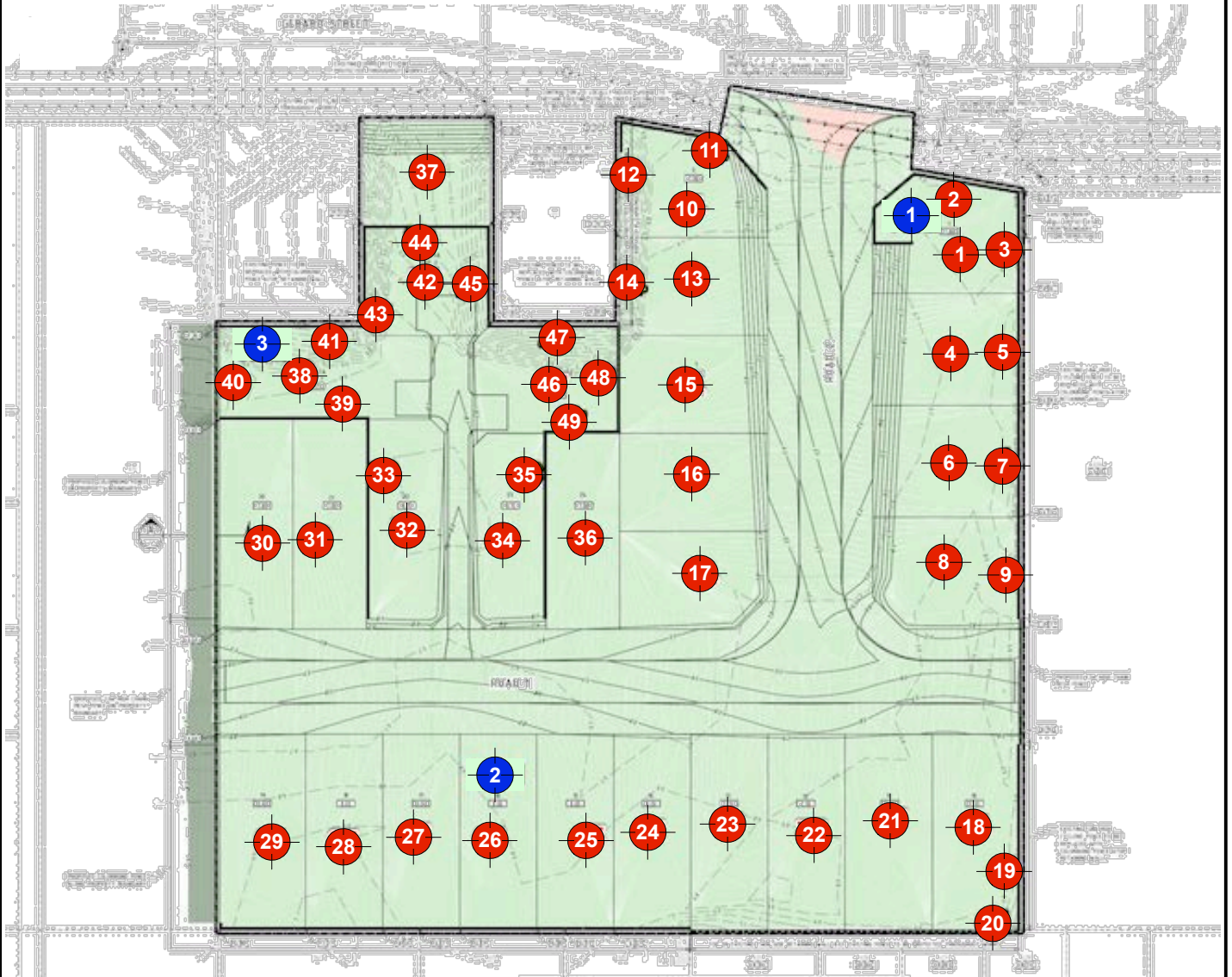
Test No	31	32	33	34	35	36	37	38	39	40
Location	#57-63 Gerard Street, East Cannington									
Lot No	20	21	22	22	23	23	24	25	SL1	SL1
Level	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L
Retaining Wall	-	-	-	*	-	*	-	-	-	*
	Blows Per Layer									
0-150	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set
150-450	17	18	18	12	14	10	19	17	15	10
450-750	25+R	25+R	25+R	16	25+R	23	25+R	25+R	25+R	23
750-1050				25+R		25+R				25+R

- * Denotes testing performed within retaining wall fill.
- R Denotes refusal.

PERTH SAND PENETROMETER TEST – AS1289 6.3.3



Test No	41	42	43	44	45	46	47	48	49	
Location	#57-63 Gerard Street, East Cannington									
Lot No	SL1	SL2	SL2	SL2	SL2	SL3	SL3	SL3	SL3	
Level	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	F:L	
Retaining Wall	*	-	*	*	*	-	*	*	*	
	Blows Per Layer									
0-150	Set	Set	Set	Set	Set	Set	Set	Set	Set	
150-450	9	18	8	8	6	19	7	7	7	
450-750	18	25+R	15	12	14	25+r	14	15	14	
750-1050	25+R		25+R	25+R	25+R		25+R	25+R	25+R	

- * Denotes testing performed within retaining wall fill.
- R Denotes refusal.



Note: Showing approximate test locations only

LEGEND

-  PSP: Perth Sand Penetrometer Test
-  BH: Borehole



Zemla Pty Ltd (ABN 71 349 772 837) ATF the Young Purich and Higham Unit Trust trading as StrucTerre Consulting

1 ERINDALE ROAD, BALCATT, WA 6021
 TEL 9205 4500 FAX 9205 4501 EMAIL: wageotecheng@strucTerre.com.au

PROJECT: #57-63 Gerard Street, East Cannington		
PROJECT #:	D315409	CLIENT:
JOB #:	J433998	Elberton Property 14 Pty Ltd
SCALE:	NTS	TITLE: Geotechnical Investigation Site Plan
DATE:	13 Dec '23	DRAWN BY: MM CHECKED BY: DH