Reference
No.: 9293-004

LEVEL ONE

SURVEILLANCE

AND INSPECTION REPORT

Carried Out
By

GEOTECHNICAL LABORATORIES

PREPARED FOR: -

SYMON BROS. CONSTRUCTIONS PTY LTD

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Appendix A Construction Drawings

Appendix B Daily Field Compaction Summary Results

Client Name: Symon Bros. Constructions Pty Ltd

Project Name: Samara Estate, Stage 1

Date: 27th of November 2025

Author: Mr. Thomas Crowe

Reference No.: 9293-004

Revision: 0

Project Manager: Mr. Anthony Gabriele

1. Introduction & Scope

At the request of Symon Bros. Constructions Pty Ltd, Geotechnical Laboratories has carried out inspection and testing of the above-mentioned site on the 25th of November 2025 where a residential development is being constructed. Inspection and testing of stripping, material quality and compaction control tests were carried out to comply with the requirements of AS 3798 Appendix B, Level 1.

The following documentation was submitted to Geotechnical Laboratories by Symon Bros. Constructions Pty Ltd and was used to determine compliance of earthworks in conjunction with the requirements of AS 3798 – 2007.

(1). Detail Plan Reference 22-0098-01RD03 (Rev. 0)

General site works involved the placement of fill, using on-site derived materials, to bring the fill construction regions to the required finished levels as indicated on the civil construction drawings.

2. Site Preparation

Site inspections were undertaken on the 6th of March 2025 and the 25th of November 2025 confirming that selected areas to be filled were completely stripped of topsoil prior to filling. The topsoils were stockpiled around the site for later removal off-site.

Initial proof roll inspections were performed and subsequently throughout the project duration to ensure no significant soft areas were present prior to filling.

3. Fill Material

The fill material used was mainly sourced from service trench excavations, road boxing and site cut areas.

The material is best described as a silty CLAY, brown, red brown, slightly moist to moist, high plasticity with gravels and cobbles of a basalt origin.

The fill material is consistent with the naturally occurring soils for this region.

Source material was deemed a **Suitable Material** in accordance with guidelines set out in AS 3798 - 2007 Section 4.4.

4. Fill Construction Procedure

The following plant (but not always limited to) were engaged in the fill placement process:

- Dump trucks / Highway trucks
- A watercart
- A sheepsfoot compactor (815)

The sheepsfoot compactor placed material in horizontal loose layers of approximately 250mm-300mm. The sheepsfoot compactor also performed compaction of the fill operating in a criss-cross pattern where possible.

The moisture condition of the fill was closely monitored and moisture conditioning procedures were applied to bring the material closer to its Standard Optimum Moisture Content (AS 1289 5.7.1).

5. Compaction Control Testing

Compaction control testing was performed on-site using a Nuclear Densometer in accordance with AS 1289 5.8.1. Laboratory reference densities were determined from material sampled at each test site location using the Hilf Rapid Compaction Method in accordance with AS 1289 5.7.1.

A total of three compaction tests were performed on the fill construction. Results are presented in Appendix B of this report.

6. Testing Frequency

Testing frequencies were in accordance with ***AS 3798 - 2007 Table 8.1*** for ***Type 1 - Large Scale Operations.***

Acceptance of fill layers for compaction was based on the requirements of ***AS 3798 - 2007 Table 5.1 Item 1. Residential.***

As a result, the compliance criteria adopted by Geotechnical Laboratories was a hilf density ratio not less than 95 percent of the maximum hilf density value as determined by the Standard Hilf Rapid Compaction Method in accordance with AS 1289 5.7.1.

Test results indicate that the above-mentioned requirements have been successfully achieved.

No moisture criterion was specified.

7. Statement of Compliance

So far as can be determined, Symon Bros. Constructions Pty Ltd has satisfactorily complied with the compaction and construction processes required for the structural filling of this site. As such, structural filling placed on this site by Symon Bros. Constructions Pty Ltd on the 25th of November 2025 can be categorised as CONTROLLED FILL in accordance with AS 2870-2011.

8. Limitations and Liability of this Report

This report has been produced for and remains the property of Symon Bros. Constructions Pty Ltd.

The release of this report to a third party will only occur if Geotechnical Laboratories Pty Ltd has received, in writing, the authority to do so by our client.

Geotechnical Laboratories Pty Ltd will not engage in any third-party communication regarding this report.

Where information has been supplied by the client or third party, the assumption is made that this is correct. Geotechnical Laboratories Pty Ltd will not be held responsible for any inaccuracies supplied.

Test results and controlled fill compliance relates only to fill placed by Symon Bros. Constructions Pty Ltd and for earthworks completed at the time of inspection and testing. Any previous or subsequent earthworks will require a separate evaluation.

For & on behalf of
Geotechnical Laboratories Pty Ltd.

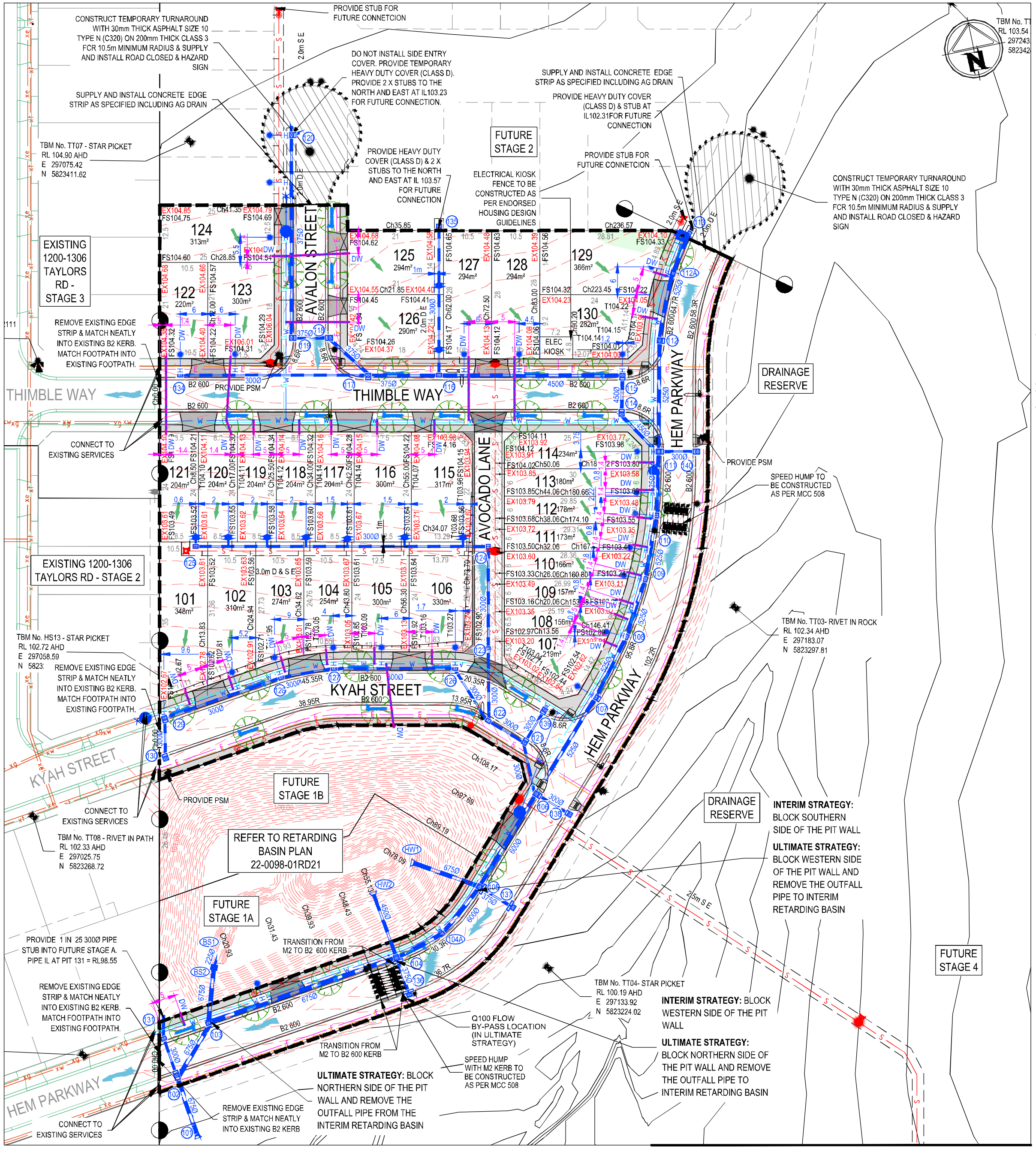
Thomas Crowe
Technical Manager

LEVEL ONE

SURVEILLANCE

AND INSPECTION REPORT

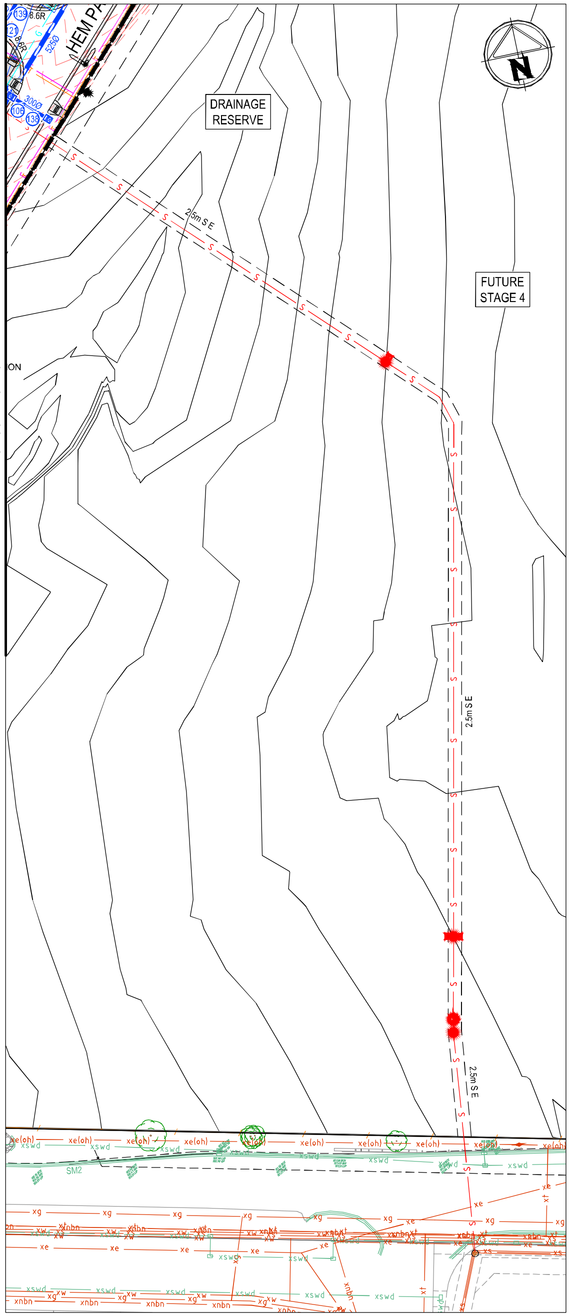
APPENDIX A



CONSTRUCT TEMPORARY TURNAROUND WITH 30mm THICK ASPHALT SIZE 10 TYPE N (C320) ON 200mm THICK CLASS 3 FCR 10.5m MINIMUM RADIUS & SUPPLY AND INSTALL ROAD CLOSED & HAZARD SIGN
PROVIDE STUB FOR FUTURE CONNETCION
SUPPLY AND INSTALL CONCRETE EDGE STRIP AS SPECIFIED INCLUDING AG DRAIN
DO NOT INSTALL SIDE ENTRY COVER. PROVIDE TEMPORARY HEAVY DUTY COVER (CLASS D). PROVIDE 2 X STUBS TO THE NORTH AND EAST AT IL103.23 FOR FUTURE CONNECTION.
SUPPLY AND INSTALL CONCRETE EDGE STRIP AS SPECIFIED INCLUDING AG DRAIN
PROVIDE HEAVY DUTY COVER (CLASS D) & STUB AT IL102.31FOR FUTURE CONNECTION
TBM No. TT07 - STAR PICKET RL 104.90 AHD E 297075.42 N 5823411.62
PROVIDE HEAVY DUTY COVER (CLASS D) & 2 X STUBS TO THE NORTH AND EAST AT IL 103.57 FOR FUTURE CONNECTION
FUTURE STAGE 2
ELECTRICAL KIOSK FENCE TO BE CONSTRUCTED AS PER ENDORSED HOUSING DESIGN GUIDELINES
PROVIDE STUB FOR FUTURE CONNETCION
CONSTRUCT TEMPORARY TURNAROUND WITH 30mm THICK ASPHALT SIZE 10 TYPE N (C320) ON 200mm THICK CLASS 3 FCR 10.5m MINIMUM RADIUS & SUPPLY AND INSTALL ROAD CLOSED & HAZARD SIGN
EXISTING 1200-1306 TAYLORS RD - STAGE 3
REMOVE EXISTING EDGE STRIP & MATCH NEATLY INTO EXISTING B2 KERB. MATCH FOOTPATH INTO EXISTING FOOTPATH.
AVALON STREET
THIMBLE WAY
DRAINAGE RESERVE
HEM PARKWAY
CONNECT TO EXISTING SERVICES
PROVIDE PSM
SPEED HUMP TO BE CONSTRUCTED AS PER MCC 508
AVOCADO LANE
EXISTING 1200-1306 TAYLORS RD - STAGE 2
TBM No. TT03- RIVET IN ROCK RL 102.34 AHD E 297183.07 N 5823297.81
TBM No. HS13 - STAR PICKET RL 102.72 AHD E 297058.59 N 5823
REMOVE EXISTING EDGE STRIP & MATCH NEATLY INTO EXISTING B2 KERB. MATCH FOOTPATH INTO EXISTING FOOTPATH.
KYAH STREET
FUTURE STAGE 1B
DRAINAGE RESERVE
INTERIM STRATEGY: BLOCK SOUTHERN SIDE OF THE PIT WALL
ULTIMATE STRATEGY: BLOCK WESTERN SIDE OF THE PIT WALL AND REMOVE THE OUTFALL PIPE TO INTERIM RETARDING BASIN
CONNECT TO EXISTING SERVICES
TBM No. TT08 - RIVET IN PATH RL 102.33 AHD E 297025.75 N 5823268.72
REFER TO RETARDING BASIN PLAN 22-0098-01RD21
FUTURE STAGE 1A
PROVIDE 1 IN 25 300Ø PIPE STUB INTO FUTURE STAGE A. PIPE IL AT PIT 131 = RL98.55
TRANSITION FROM M2 TO B2 600 KERB
REMOVE EXISTING EDGE STRIP & MATCH NEATLY INTO EXISTING B2 KERB. MATCH FOOTPATH INTO EXISTING FOOTPATH.
FUTURE STAGE 4
TBM No. TT04- STAR PICKET RL 100.19 AHD E 297133.92 N 5823224.02
INTERIM STRATEGY: BLOCK WESTERN SIDE OF THE PIT WALL
ULTIMATE STRATEGY: BLOCK NORTHERN SIDE OF THE PIT WALL AND REMOVE THE OUTFALL PIPE TO THE INTERIM RETARDING BASIN
Q100 FLOW BY-PASS LOCATION (IN ULTIMATE STRATEGY)
TRANSITION FROM M2 TO B2 600 KERB
SPEED HUMP WITH M2 KERB TO BE CONSTRUCTED AS PER MCC 508
ULTIMATE STRATEGY: BLOCK NORTHERN SIDE OF THE PIT WALL AND REMOVE THE OUTFALL PIPE FROM THE INTERIM RETARDING BASIN
REMOVE EXISTING EDGE STRIP & MATCH NEATLY INTO EXISTING B2 KERB
CONNECT TO EXISTING SERVICES
HEM PARKWAY
KYAH STREET

FOR CONTINUATION REFER RIGHT

FOR CONTINUATION REFER LEFT



LEGEND:

- EXISTING WATER MAIN
- EXISTING RECYCLED WATER MAIN
- EXISTING UNDERGROUND ELECTRICITY
- EXISTING OVERHEAD ELEC & POLE
- EXISTING TELSTRA & SERVICE PIT
- EXISTING OPTIC FIBRE
- EXISTING GAS MAIN
- EXISTING FENCE
- EXISTING SEWER & MANHOLE
- EXISTING SEWER RISING MAIN
- EXISTING STORMWATER DRAIN & PIT
- EXISTING HOUSE DRAIN
- EXISTING SURFACE CONTOUR MINOR
- EXISTING SURFACE CONTOUR MAJOR
- EXISTING TOP OF BATTER
- EXISTING TOE OF BATTER
- EXISTING KERB
- EXISTING FOOTPATH
- EF180.92 EXISTING FILL LEVEL
- EX158.66 EXISTING SURFACE LEVEL
- FS158.35 FINISHED SURFACE LEVEL
- T167.15 TOP/TOE OF BATTER LEVEL
- EXISTING BUILDING
- EXISTING SIGN AND POST
- EXISTING PERMANENT SURVEY MARK
- ROAD RESERVE
- LOT BOUNDARY
- EASEMENT
- SM2 KERB & CHANNEL + TYPE
- SAWCUT PAVEMENT
- CONCRETE EDGE STRIP
- 52 ALLOTMENT NUMBER
- CH20.06 ROAD CHAINAGE
- TPCh 116.57 TANGENT POINT CHAINAGE
- R2 SET-OUT POINT
- FINISHED SURFACE CONTOUR MINOR
- 169.00 FINISHED SURFACE CONTOUR MAJOR
- PROPOSED WATER MAIN
- PROPOSED ELECTRICITY
- PROPOSED TELSTRA
- PROPOSED OPTIC FIBRE CONDUIT
- PROPOSED GAS MAIN
- PROPOSED SEWER
- PROPOSED SEWER RISING MAIN
- 450Ø PROPOSED STORMWATER DRAIN & PIT
- PROPOSED HOUSE DRAIN
- PROPOSED DRAINAGE INLET
- PIT NUMBER
- 1.0m DRAINAGE OFFSET
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAY
- PROPOSED INDUSTRIAL DRIVEWAY (AS PER MCC 504)
- GAS & WATER CONDUIT
- 5 YEAR FLOW ARROW
- 100 YEAR FLOW ARROW
- PROPOSED PERMANENT SURVEY MARK
- PROPOSED BOLLARD
- PROPOSED TOP OF BATTER
- PROPOSED TOE OF BATTER
- RIDGE / CHANGE OF GRADE
- PROPOSED LANDSCAPE TREE (3m DIAMETER)
- CONCRETE PAVEMENT
- TEMPORARY ASPHALT TURNAROUND
- 100mm THICK CLASS 3 FCR (SIZE 20mm)
- FILL GREATER THAN 200mm

REV.	AMENDMENTS	APP'D	DATE
0	ISSUE FOR CONSTRUCTION	D.WORLAND	13.05.2025

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Scale 1:1000,A1 — Horizontal 0 10 20 30 40 50 — Vertical 0 10 20 30 40 50

PM	D. WORLAND
DESIGNED	11.08.2023 M.JAHRI
CHECKED	30.05.2024 S.APPELQVIST
AUTHORISED	13.02.2025 R.SINGH
MELWAYS	355 H5
PDS No.	PS920333R

1176-1198 TAYLORS RD

FRASERS RISE - STAGE 1

CITY OF MELTON

DETAIL PLAN

STATUS: CONSTRUCTION — 22-0098-01RD03 — SHEET No. 3 OF 25 — REV. 0

LEVEL ONE

SURVEILLANCE

AND INSPECTION REPORT

APPENDIX B

GEOTECHNICAL LABORATORIES
GEOTECHNICAL LABORATORIES
ACN 102 571 077
14 Ravenhall Way, Ravenhall, Vic 3023
Email: info@geolab.com.au Phone: (03) 8361 9140

FIELD DENSITY TESTING SUMMARY

REPORT NO: 9293/002
PROJECT: SYMON BROS - Samara, Stage 1

DATE OF TESTS	TEST NUM.	TEST LOCATION	FIELD WET DENSITY (t/m³)	FIELD MOISTURE CONTENT (%)	HILF DENSITY RATIO STANDARD (%)	STANDARD PCWD OR APCWD (t/m³)	STANDARD OPTIMUM MOISTURE CONTENT (%)	PROBE DEPTH SETTING (mm)	VARIATION FROM OPTIMUM MOISTURE CONTENT (%)	MOISTURE RATIO (%)	WET +19mm (%)	WET +37.5mm (%)	APPROX. DEPTH BELOW FINISH LEVEL (mm)
25/11/25	1	***Refer to #9293/003 for approx. test site locations.***	1.78	24.0	95.5	✠ 1.86	26.5	175	2.5 Drier	90.5	3	0	0
25/11/25	2		1.78	23.5	96.5	✠ 1.85	27.0	175	3.5 Drier	87.0	3	0	0
25/11/25	3		1.84	22.0	100.0	✠ 1.83	26.5	175	5.0 Drier	81.5	4	0	0
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	-	-

NOTES: Clayey Fill Ex. Onsite
Test sites located - Geolab Procedure 4, Part 4.4.

Compaction specimens sampled after compaction.
Start Time: 2.30PM Finish Time: 3.30PM

A Hilf Rapid Compaction test was carried out on a sample taken from each Field Density location to obtain the Compaction Parameters tabulated on this Report.

Moisture Content: AS 1289 2.1.1
Compaction Test: AS 1289 5.7.1

Soil Layer thickness: 200mm

Hilf Density Ratio and Hilf Moisture Variation, Hilf Adjusted (APCWD) & Peak (PCWD) Converted Wet Density AS 1289 5.7.1

Field Density, Nuclear Gauge: AS 1289 5.8.1

Materials Sampled: AS 1289 1.2.1 Clause 6.4(b)

✠ Indicates APCWD

❖

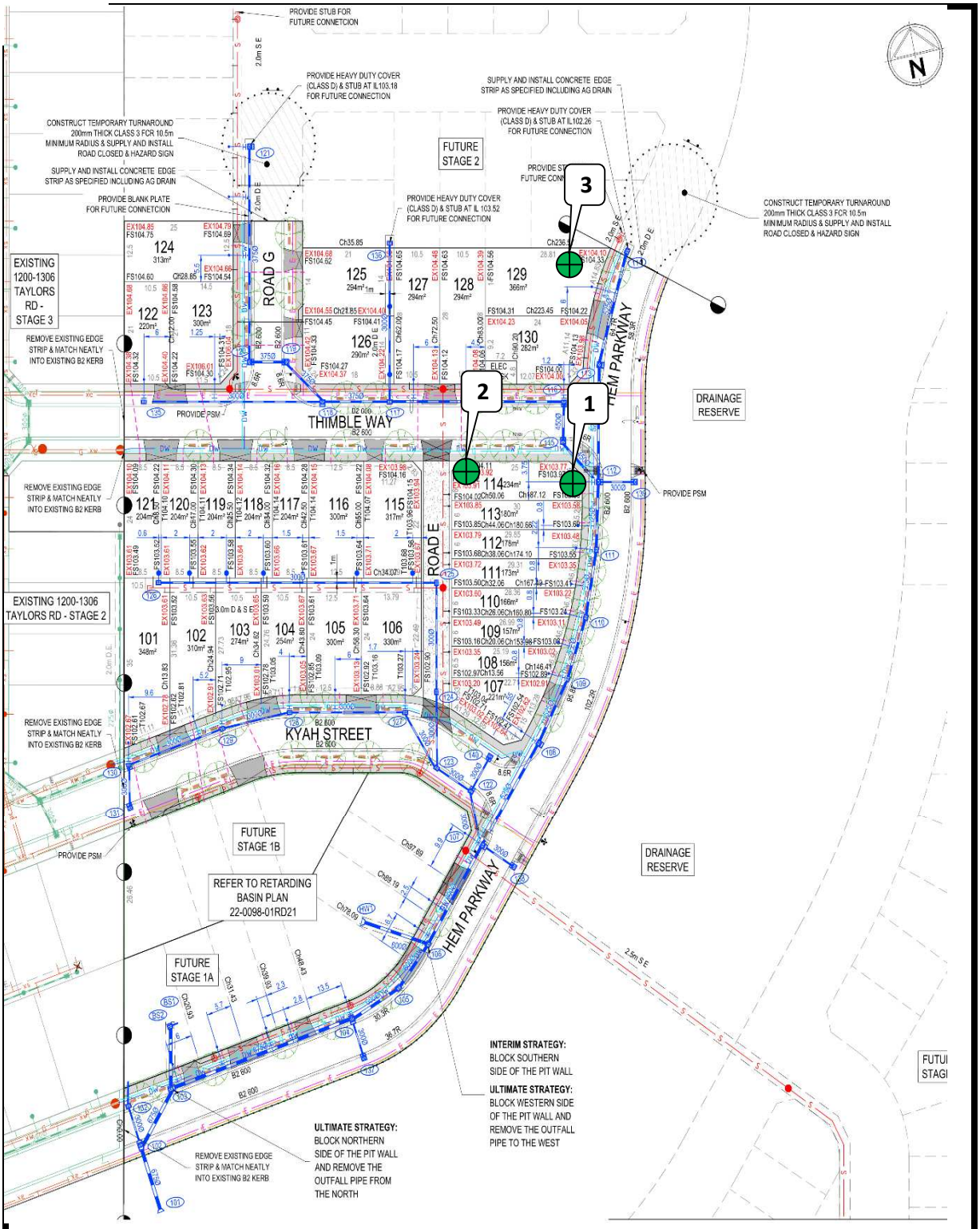
NATA WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing

NATA Accredited Laboratory Number 14561

MICK CROWE
(Approved Signatory)

Issue Date: 27/11/2025



GEOTECHNICAL LABORATORIES	**GEOTECHNICAL LABORATORIES** **ACN 102 571 077** 14 Ravenhall Way, Ravenhall, Vic 3023 Email: info@geolab.com.au Phone: (03) 8361 9140	
CLIENT: SYMON BROS	**DATE: 25/11/2025**	**JOB No: 9293/003**
LOCATION: Samara Estate, Stage 1	**OPERATOR:**	**CHECKED:**
Sketch indicating compaction test locations	**SCALE: NTS**	**FIGURE No: -**