



LEVEL 2 CERTIFICATION

24 Lots at Swagmans Ridge, and Cattlemans Court,
Chatsworth
Lots 63-85, 87 on SP328631

CONTENTS

CERTIFICATION LETTER..... 1
LIMITATIONS.....2
TEST RESULTS3-38
TEST LOCATIONS PLANS 2005-CS4 SHEETS R1 TO R4 INCLUSIVE REVISION 1.....39-42

3th August 2022

File No 2005

To: Roberts Bros. Pty Ltd
(by email)

LEVEL 2 CERTIFICATION

**24 Lots at Swagmans Ridge, and Cattlemans Court,
Chatsworth
Lots 63-85, 87 on SP328631**

This letter provides Level 2 certification to AS3798-2007 'Guidelines on earthworks for commercial and residential developments' and includes the results of testing conducted during filling earthworks on proposed lots 63-85, and 87 on SP328631.

Roberts Brothers Pty Ltd personnel and sub-contractors undertook the cut to fill and compaction using existing site material to create house sites.

Inspections of surface stripping (to remove organic topsoil), removal of unsuitable materials and subgrade proof rolling prior to filling were completed.

Determination of field density of compacted fill in accordance with AS1289 was completed by Douglas Partners Pty Ltd as attached. The compaction tests show that results were above the required 95% Standard Compaction. Test locations are shown on the attached plans 2005-CS3A sheet numbers R2-R4 inclusive Revision 1.

This certification only provides an assurance of the density of the fill tested, and suitability of the stripped surface for placement of that fill. This certification does not address any other issues that may be relevant to foundation and building construction.

Please refer to report limitations attached, the Client in this instance is Roberts Brothers Pty Ltd.

Regards,



A Haynes BE Civil (Hons) RPEQ MIEAust CPEng

LIMITATIONS

This report is provided for the sole use by the Client and its professional advisers. No responsibility whatsoever for the contents of this report will be accepted to any person other than the Client. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the responsibility of such third parties. Haynes Consulting Engineers accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Haynes Consulting Engineers did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the report. If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Haynes Consulting Engineers in regards to it.

Conditions may exist which were undetectable given that economic and time constraints limit the practical extent of investigation. Variations in conditions may occur between investigation locations, and there may be special conditions pertaining to the site which have not been revealed by the investigation and which have not therefore been taken into account in the report.

Where variations exist on site, additional studies and actions may be required. Haynes Consulting Engineers's opinions are based upon information that existed at the time that the works were performed. The passage of time, man-made or natural events, may alter the site conditions. It is understood that the Services undertaken allowed Haynes Consulting Engineers to form an opinion of the actual conditions of the site at the time the site was visited and cannot be used to assess the effect of any subsequent changes in the quality of the site, or its surroundings, or any laws or regulations.

Any assessments made in this report are based on the conditions indicated from published sources and the findings of the investigation described. Actual subsurface conditions may differ from those indicated in the report (e.g. between boreholes or test pits). No warranty is included, either express or implied, that the actual conditions will conform exactly to the assessments contained in this report.

Where data supplied by the client or other external sources, including previous site investigation data, have been used, it has been assumed that the information is correct unless otherwise stated. No responsibility is accepted by Haynes Consulting Engineers for incomplete or inaccurate data supplied by others.

NOTES:

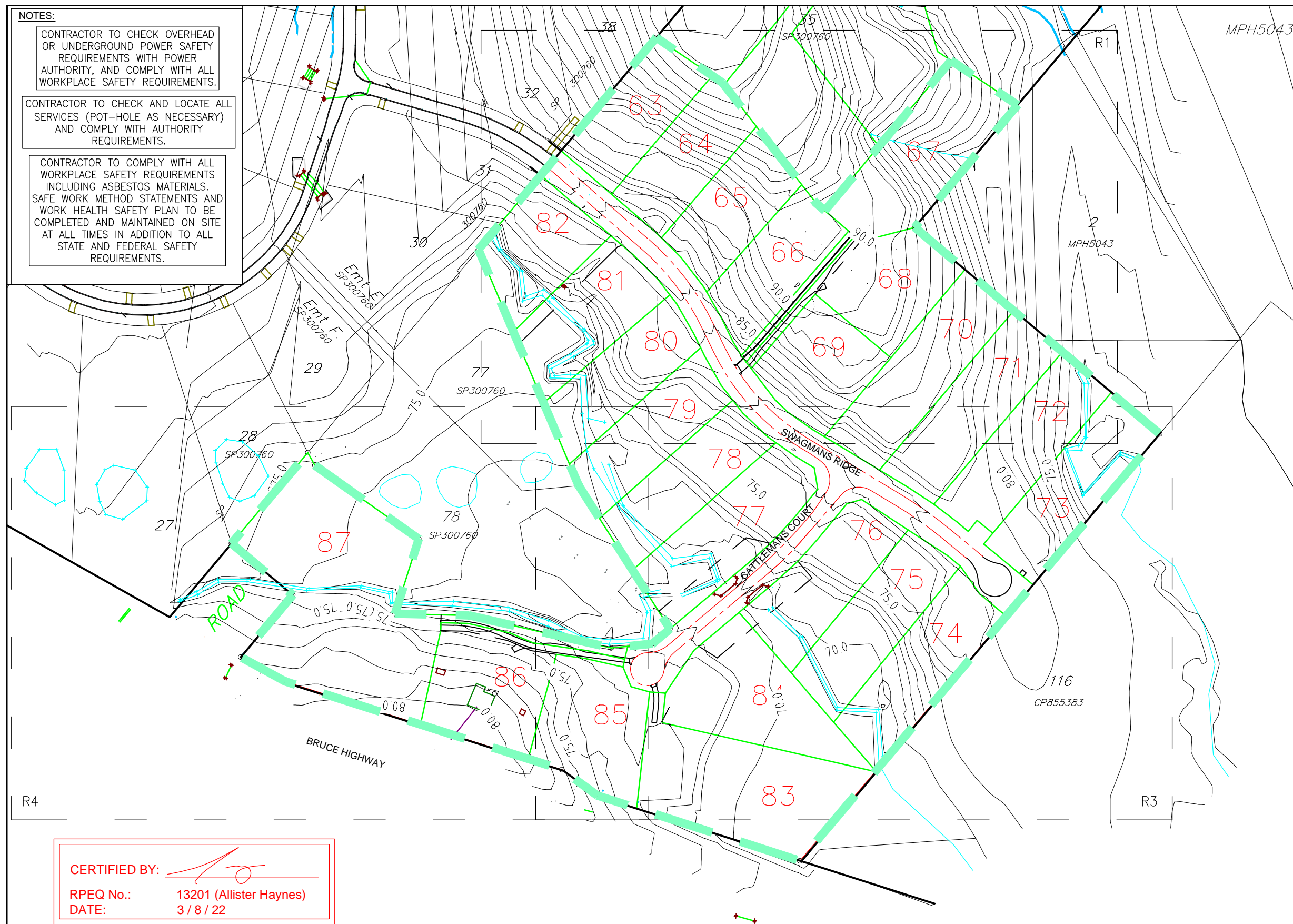
CONTRACTOR TO CHECK OVERHEAD OR UNDERGROUND POWER SAFETY REQUIREMENTS WITH POWER AUTHORITY, AND COMPLY WITH ALL WORKPLACE SAFETY REQUIREMENTS.

CONTRACTOR TO CHECK AND LOCATE ALL SERVICES (POT-HOLE AS NECESSARY) AND COMPLY WITH AUTHORITY REQUIREMENTS.

CONTRACTOR TO COMPLY WITH ALL WORKPLACE SAFETY REQUIREMENTS INCLUDING ASBESTOS MATERIALS. SAFE WORK METHOD STATEMENTS AND WORK HEALTH SAFETY PLAN TO BE COMPLETED AND MAINTAINED ON SITE AT ALL TIMES IN ADDITION TO ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

MPH5043 PLAN INDEX

2005-CS4-R1 SITE PLAN OVERALL ROADWORKS
2005-CS4-R2 ROADWORKS LAYOUT PLAN 1
2005-CS4-R3 ROADWORKS LAYOUT PLAN 2
2005-CS4-R4 ROADWORKS LAYOUT PLAN 3
2005-CS4-R5 DRIVEWAY DETAIL PLAN



LEGEND

- STAGE 4 EXTENT
- PROPOSED ROAD KERB CONSTRUCTION
- PROPOSED CONCRETE DRIVEWAY
- Q100 OVERLAND FLOW LEVEL. REFER TO BSM FLOOD STUDY 15-10-2010 FOR CALCULATIONS AND DETAILS.
- PROPOSED EASEMENT
- ASCON CONTOURS

0 25 50 75m Scale 1:2500 @A3



CERTIFIED BY:

[Signature]

RPEQ No.: 13201 (Allister Haynes)

DATE: 3 / 8 / 22

This drawing is an accurate representation of the works as-constructed. All the locations and levels shown on this plan have been provided by a Surveyor as defined in the Surveyors Act 2003. I hereby accept responsibility for the as-constructed information shown on this plan.

A3

1	3-8-22	AS CONSTRUCTED	ATH
0	21-10-21	FOR CONSTRUCTION	ATH
Rv	DATE	REVISIONS	APPR.

PSM No	196358
(AHD) RL	84.831
SURVEYED	MURRAY & ASSOC



HAYNES CONSULTING ENGINEERS
ABN 53 613 630 078
PO BOX 549 NOOSA HEADS QLD 4567
(0432) 784 150

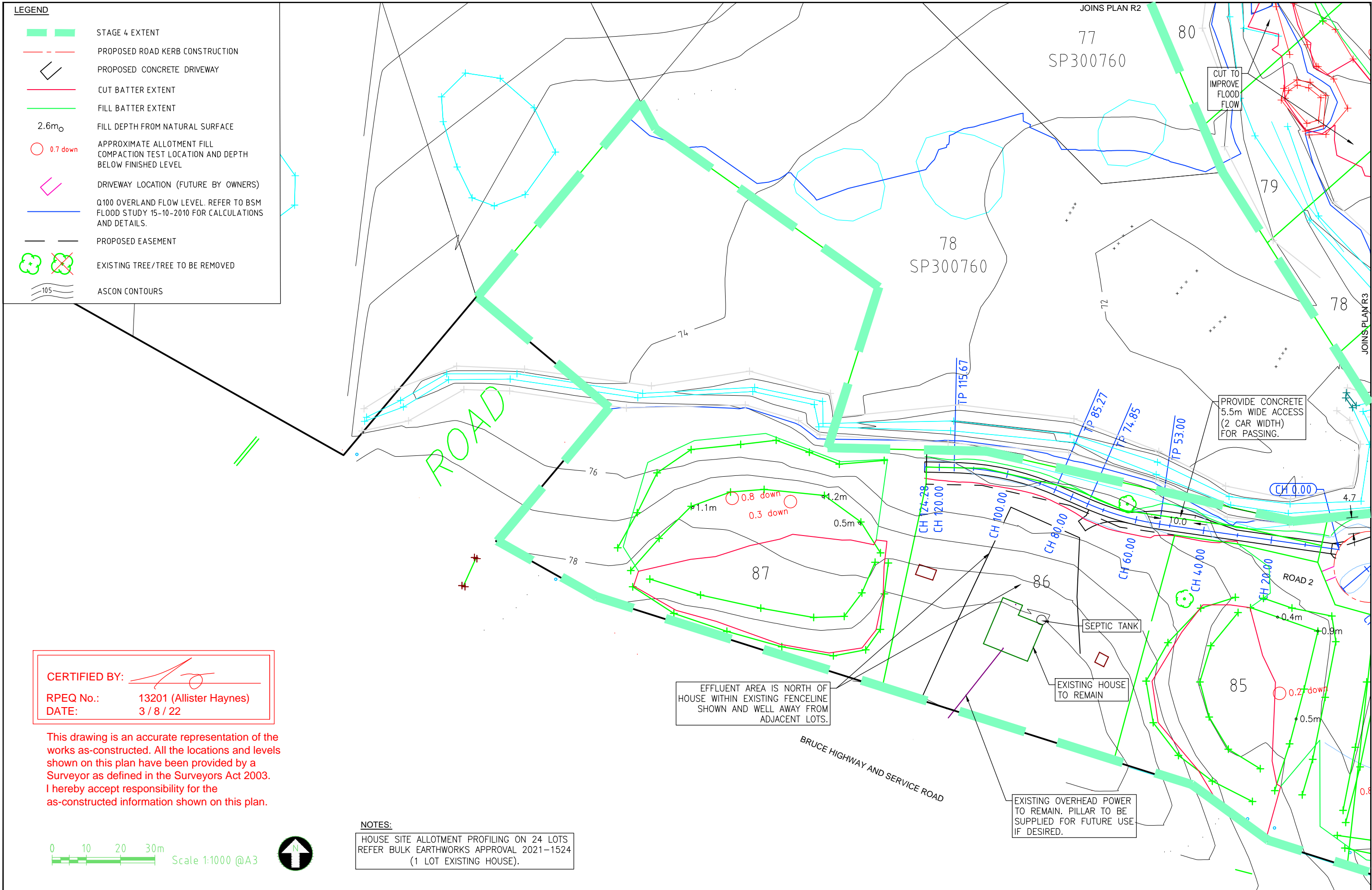
CHATSWORTH STAGE 4


LOTS 63-87 SP328631, 25 LOTS OPERATIONAL WORKS, SWAGMANS RIDGE, CHATSWORTH, FOR ROBERTS BROS. PTY LTD
SITE PLAN OVERALL ROADWORKS

2005-CS4

Sheet No. - Revision No.

R1 1



A3	1	3-8-22	AS CONSTRUCTED AND TEST LOCATIONS FOR CONSTRUCTION	ATH ATH	PSM No	196358		HAYNES CONSULTING ENGINEERS	HAYNES CONSULTING ENGINEERS ABN 53 613 630 078 PO BOX 549 NOOSA HEADS QLD 4567 (0432) 784 150	CHATSWORTH STAGE 4 LOTS 63-87 SP328631, 25 LOTS OPERATIONAL WORKS, SWAGMANS RIDGE, CHATSWORTH, FOR ROBERTS BROS. PTY LTD ROADWORKS LAYOUT PLAN 3	2005-CS4 Sheet No. - Revision No. R4 1
	0	21-10-21			(AHD) RL	84.831					
	Rv	DATE			SURVEYED	MURRAY & ASSOC					
			REVISIONS	APPR.							