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LEVEL 2 CERTIFICATION

**11 Lots at McIntosh Creek Road, McIntosh Creek
Lots 11-21 SP316547**

CONTENTS

CERTIFICATION LETTER.....	1
LIMITATIONS.....	2
TEST RESULTS.....	3-8
TEST LOCATIONS PLANS 1803 SHEETS MS2-S0 TO MS2-S3 INCLUSIVE.....	9-12

25th May 2020

File No 1803

To: Roberts Bros. Pty Ltd
(by email)

LEVEL 2 CERTIFICATION

11 Lots at McIntosh Creek Road, McIntosh Creek Lots 11-21 SP316547

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 11-21 SP316547.

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, Report No's 677071.00-1 to 677071.00-5 inclusive. The compaction tests show that results were above the required 95% Standard Compaction. Test locations are shown on the attached plans 1803 sheet numbers MS2-S0 to MS2-S3 inclusive Revision A.

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.

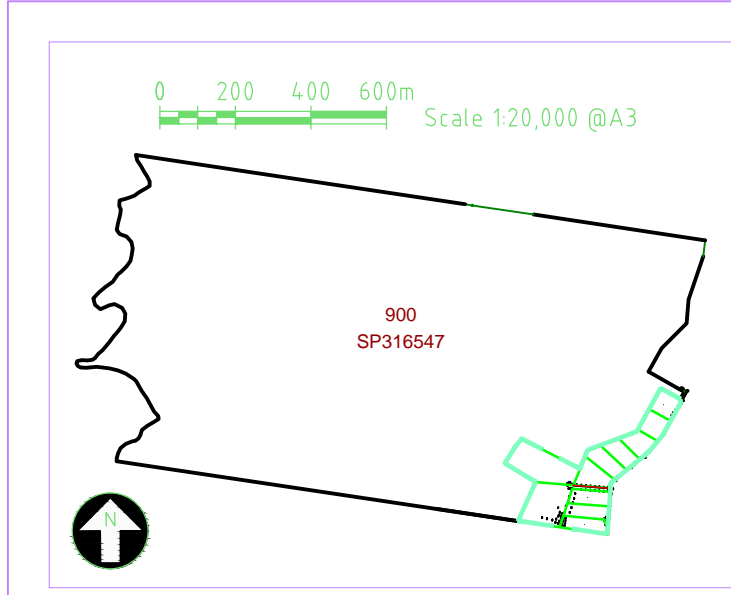
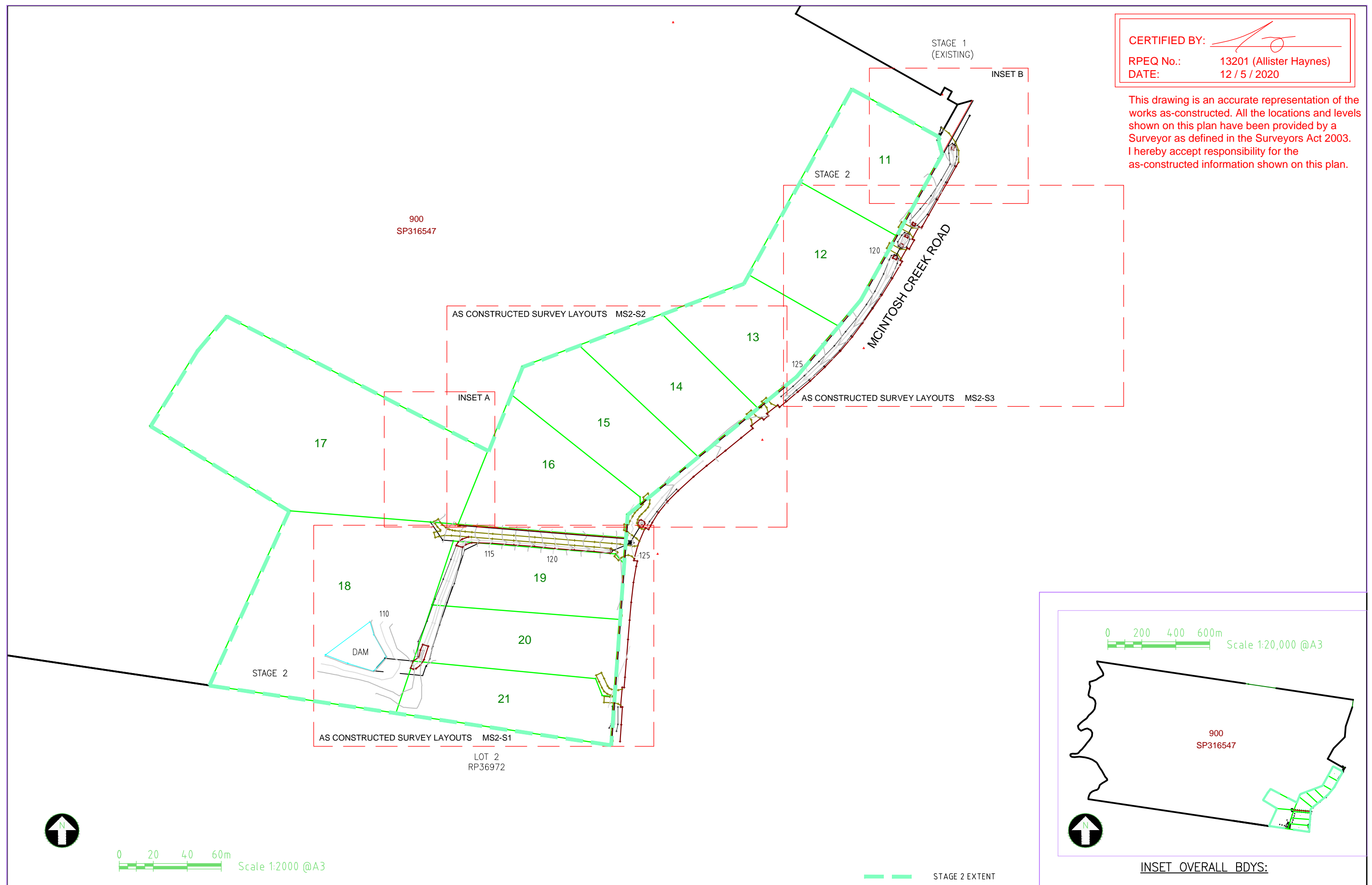
Where variations exist on site, additional studies and actions may be required. Haynes Consulting Engineers's opinions are based upon information that existed at the time that the works were performed. The passage of time, man-made or natural events, may alter the site conditions. It is understood that 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.


CERTIFIED BY: 
 RPEQ No.: 13201 (Allister Haynes)
 DATE: 12 / 5 / 2020


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.



INSET OVERALL BDYS:

STAGE 2 EXTENT

A3	A	12-5-20	AS CONSTRUCTED	ATH	PSM No (AHD) RL	PM42916 161.931		HAYNES CONSULTING ENGINEERS ABN 53 613 630 078 PO BOX 549 NOOSA HEADS QLD 4567 (0432) 784 150	MCINTOSH STAGE 2 Lots 11-21, 900 on SP316547 Surveyed by Murray and Associates Pty Ltd	1803
	Rv	DATE	REVISIONS	APPR.	SURVEYED	Murray & Assoc. Pty Ltd				

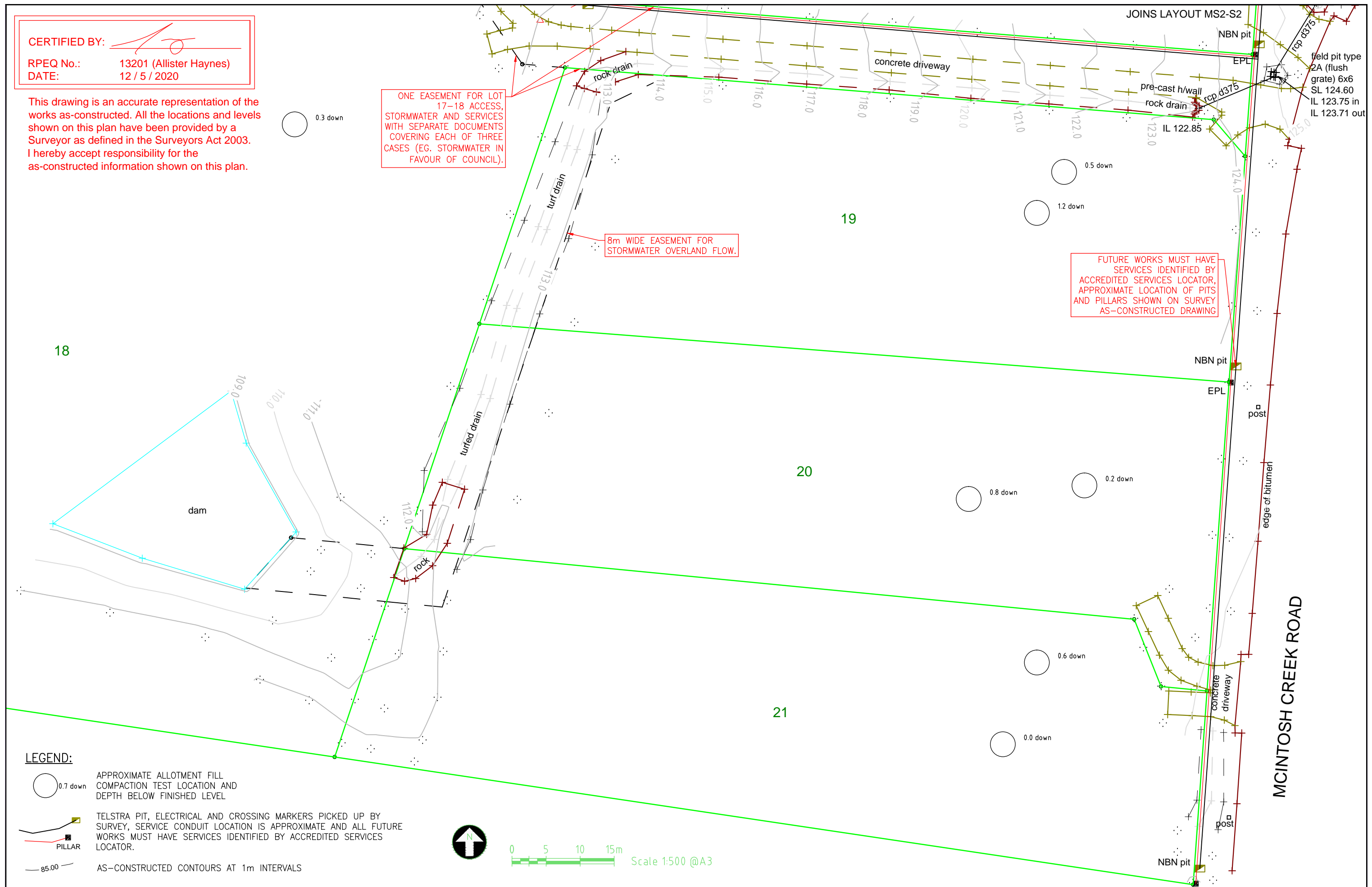
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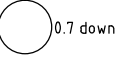

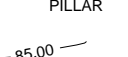
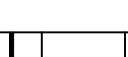
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ONE EASEMENT FOR LOT 17-18 ACCESS, STORMWATER AND SERVICES WITH SEPARATE DOCUMENTS COVERING EACH OF THREE CASES (EG. STORMWATER IN FAVOUR OF COUNCIL).

8m WIDE EASEMENT FOR STORMWATER OVERLAND FLOW.

FUTURE WORKS MUST HAVE SERVICES IDENTIFIED BY ACCREDITED SERVICES LOCATOR, APPROXIMATE LOCATION OF PITS AND PILLARS SHOWN ON SURVEY AS-CONSTRUCTED DRAWING



LEGEND:
 0.7 down APPROXIMATE ALLOTMENT FILL COMPACTION TEST LOCATION AND DEPTH BELOW FINISHED LEVEL
 TELSTRA PIT, ELECTRICAL AND CROSSING MARKERS PICKED UP BY SURVEY, SERVICE CONDUIT LOCATION IS APPROXIMATE AND ALL FUTURE WORKS MUST HAVE SERVICES IDENTIFIED BY ACCREDITED SERVICES LOCATOR.
 PILLAR
 85.00 AS-CONSTRUCTED CONTOURS AT 1m INTERVALS

A3	A	12-5-20	AS CONSTRUCTED	ATH
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PSM No	PM42912
(AHD) RL	161.931
SURVEYED	Murray & Assoc. Pty Ltd



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MCINTOSH STAGE 2
 Lots 11-21, 900 on SP316547
 Surveyed by Murray and Associates Pty Ltd
AS CONSTRUCTED SURVEY LAYOUTS


1803
Sheet No. - Revision No.
MS2-S1 A



Scale 1:500 @A3



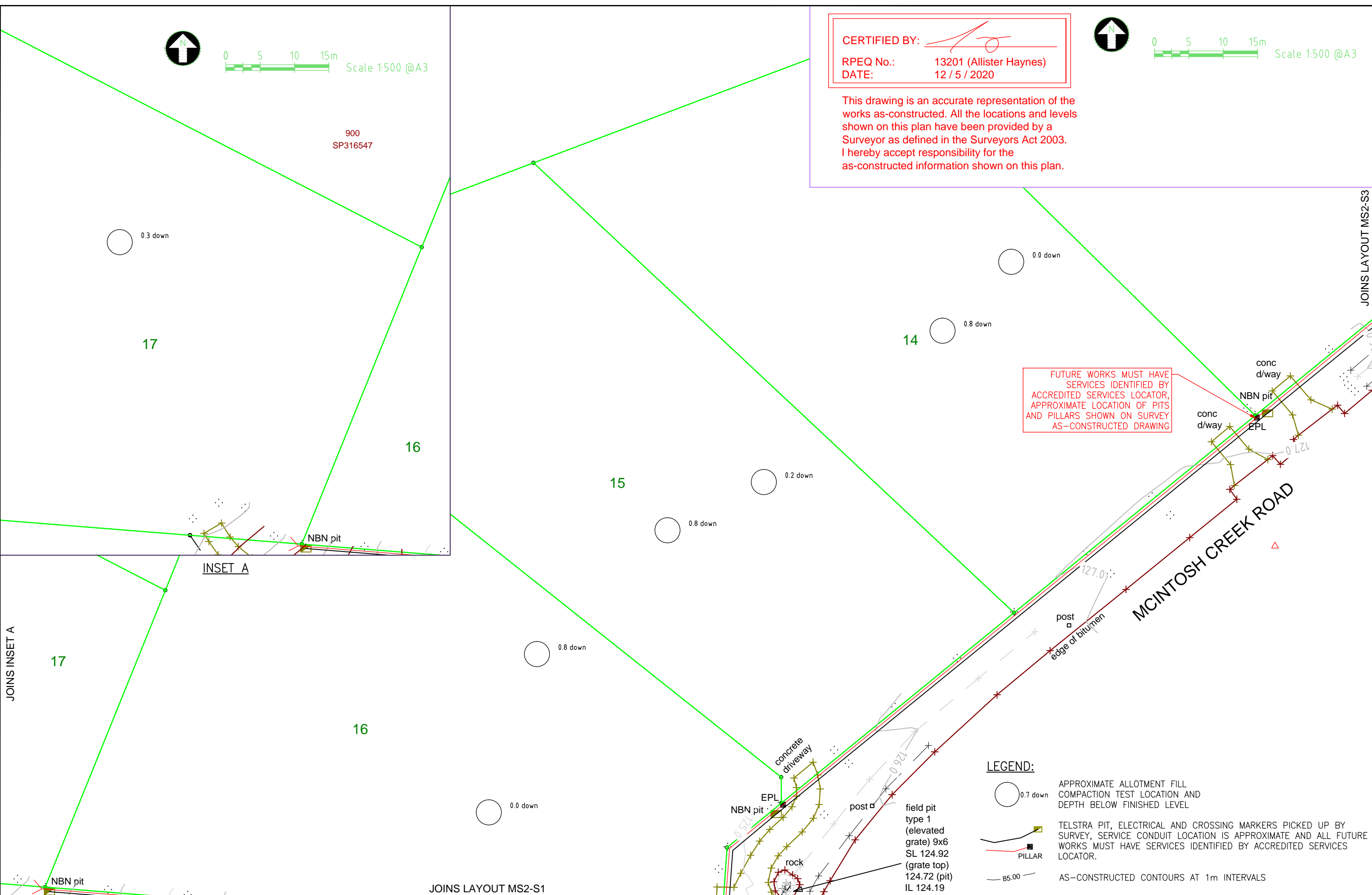
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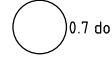

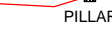
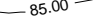
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LEGEND:

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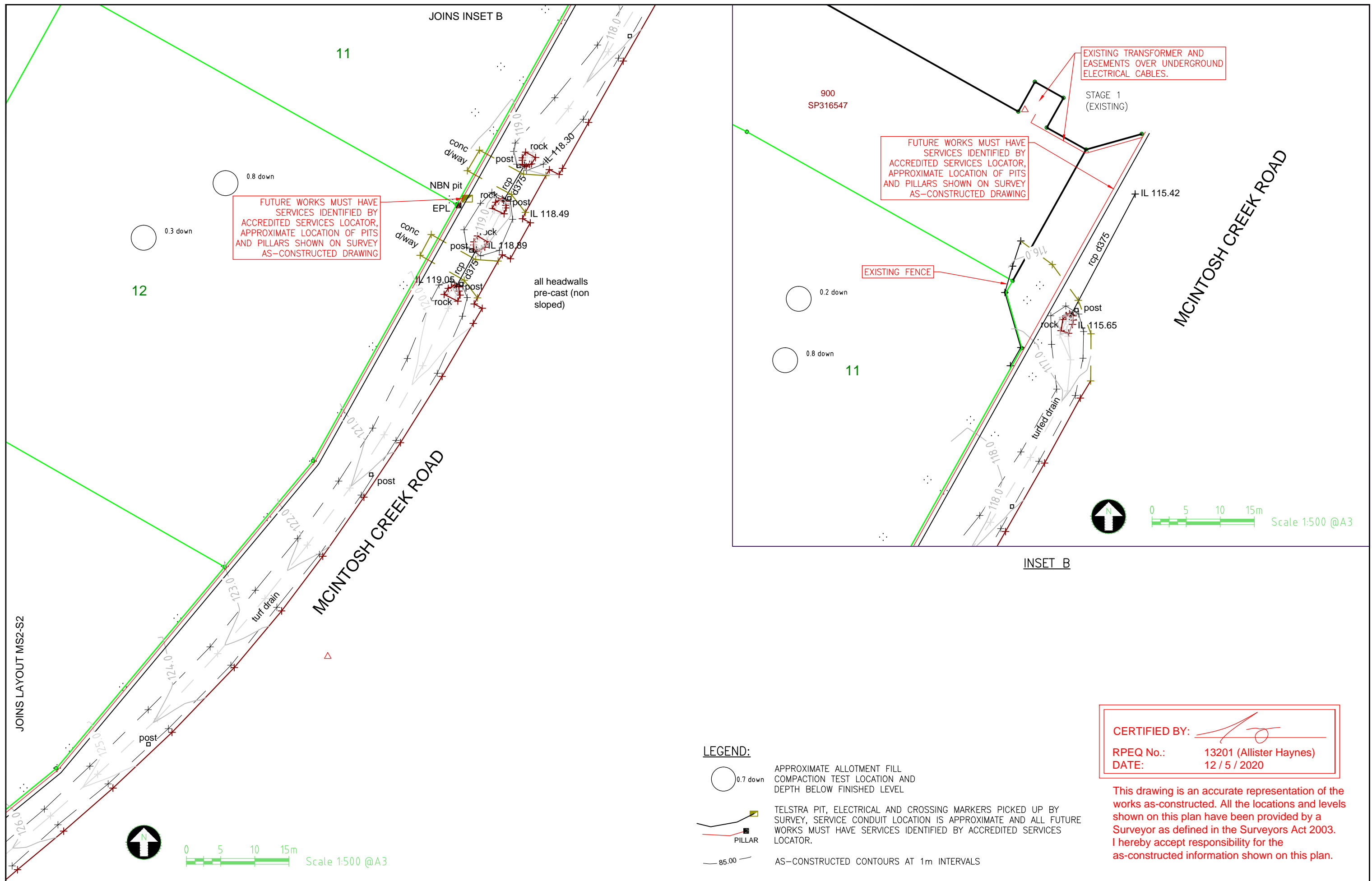
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AS CONSTRUCTED SURVEY LAYOUTS

1803
Sheet No. - Revision No.
MS2-S2 A



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FUTURE WORKS MUST HAVE SERVICES IDENTIFIED BY ACCREDITED SERVICES LOCATOR, APPROXIMATE LOCATION OF PITS AND PILLARS SHOWN ON SURVEY AS-CONSTRUCTED DRAWING

EXISTING TRANSFORMER AND EASEMENTS OVER UNDERGROUND ELECTRICAL CABLES.

EXISTING FENCE

LEGEND:

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