



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3495
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 906 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 906 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 906 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

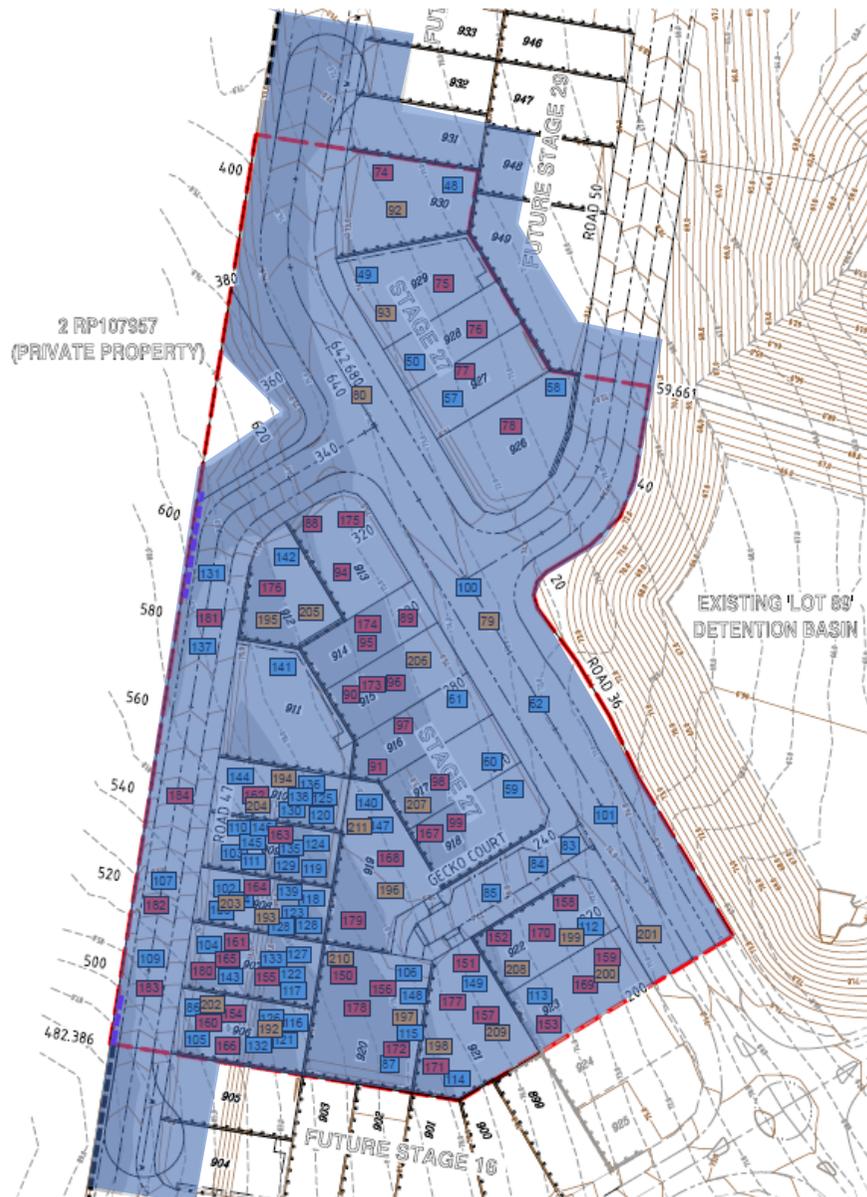
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

LOCATION: Edens Crossing Stage 27

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

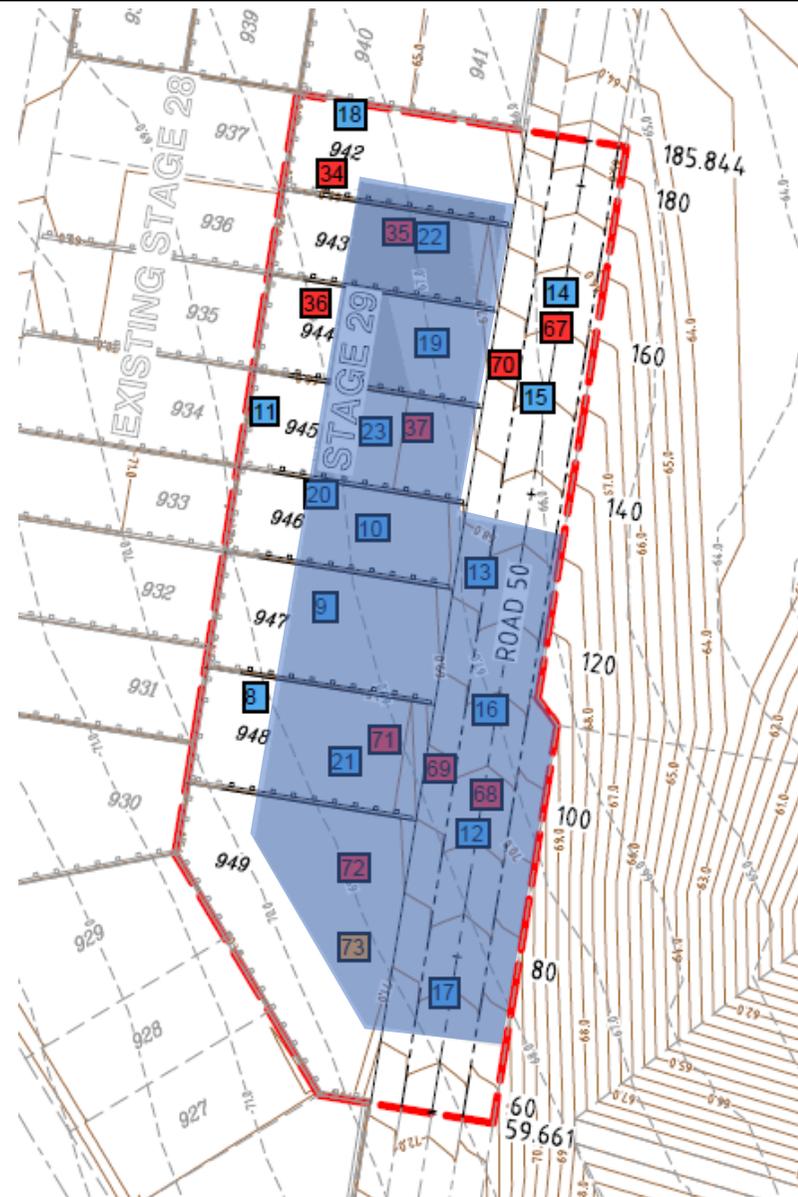
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3496
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 907 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 907 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 907 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

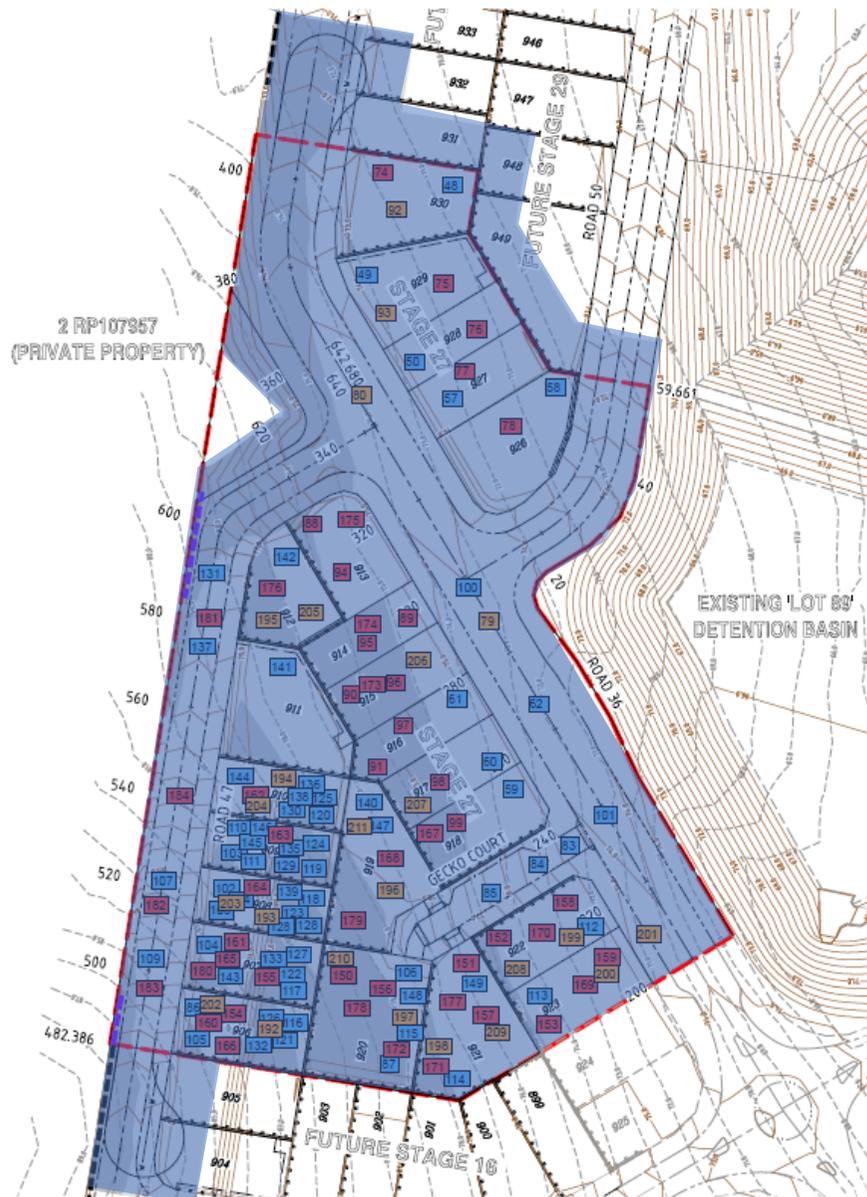
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping
 Capping
 Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 27

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforth's Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

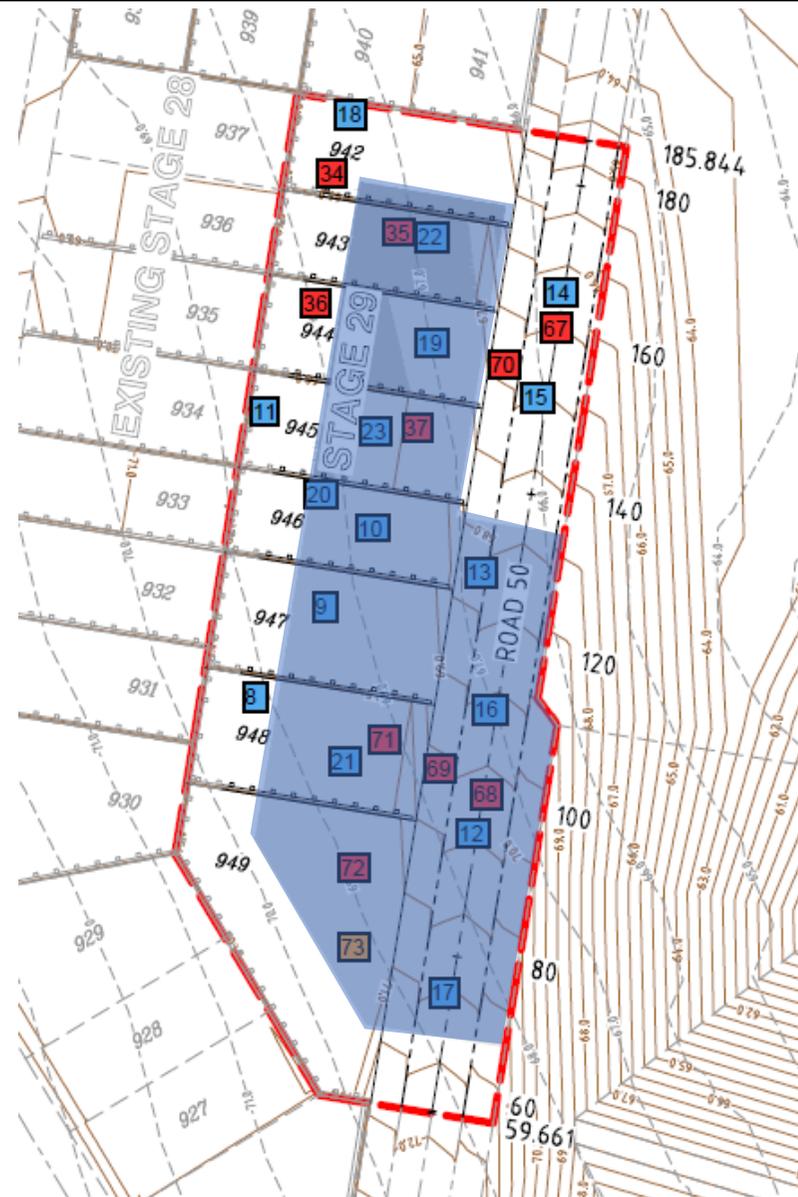
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3497
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 908 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 908 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 908 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

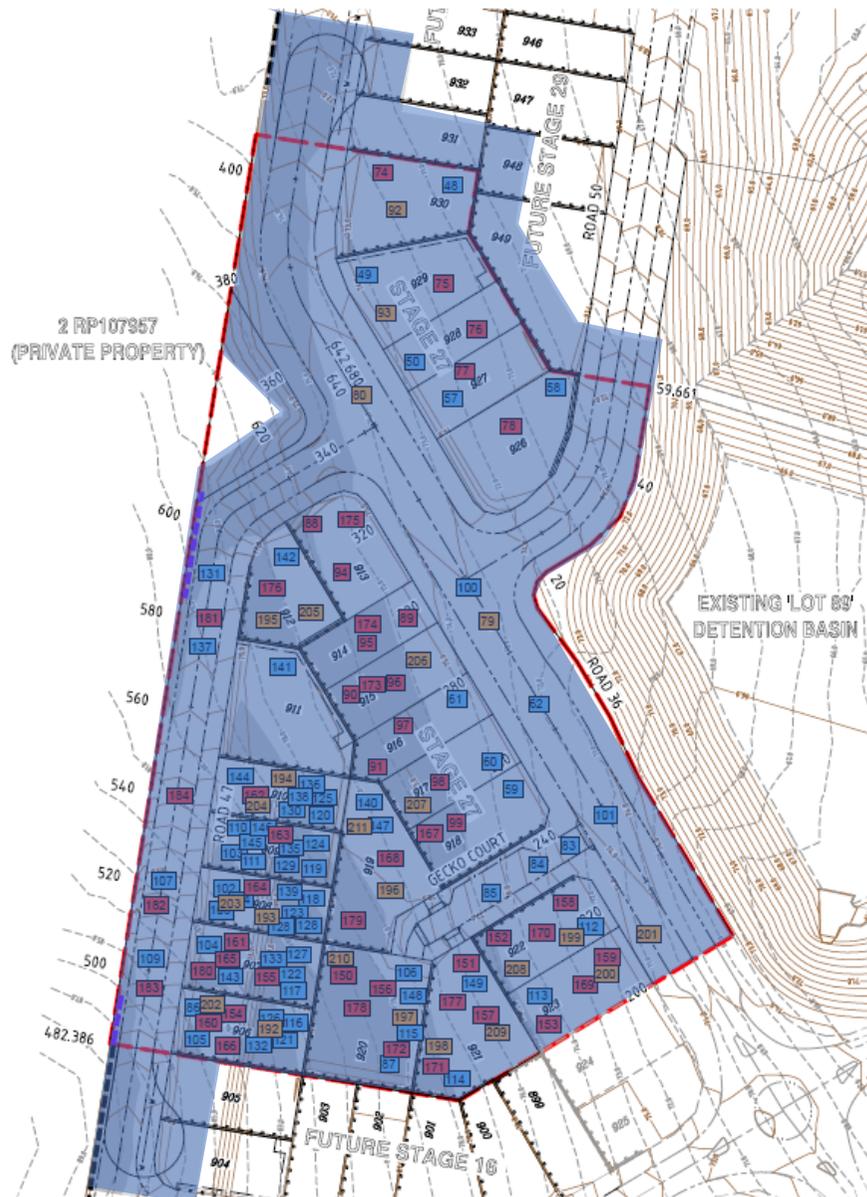
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

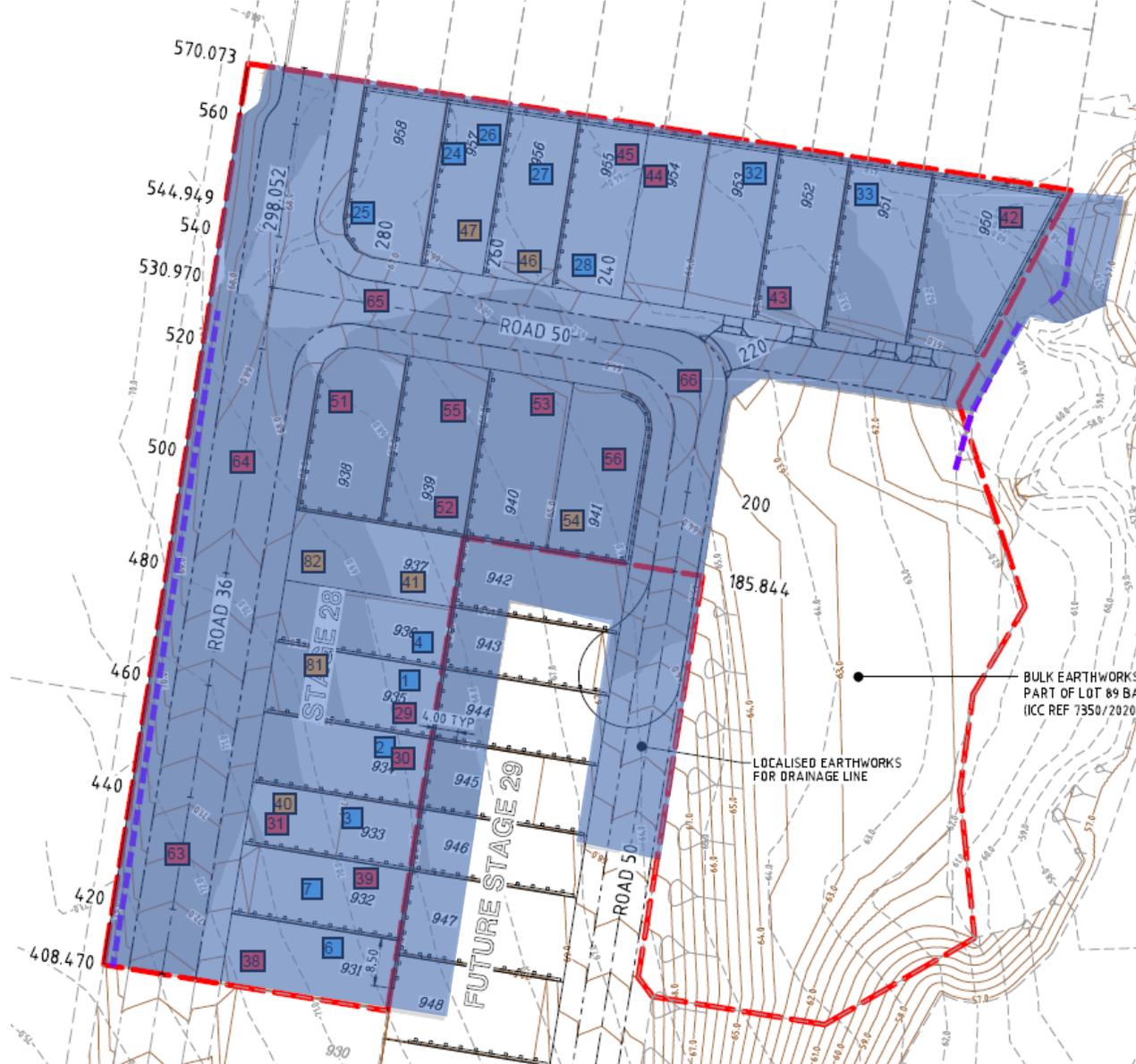
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

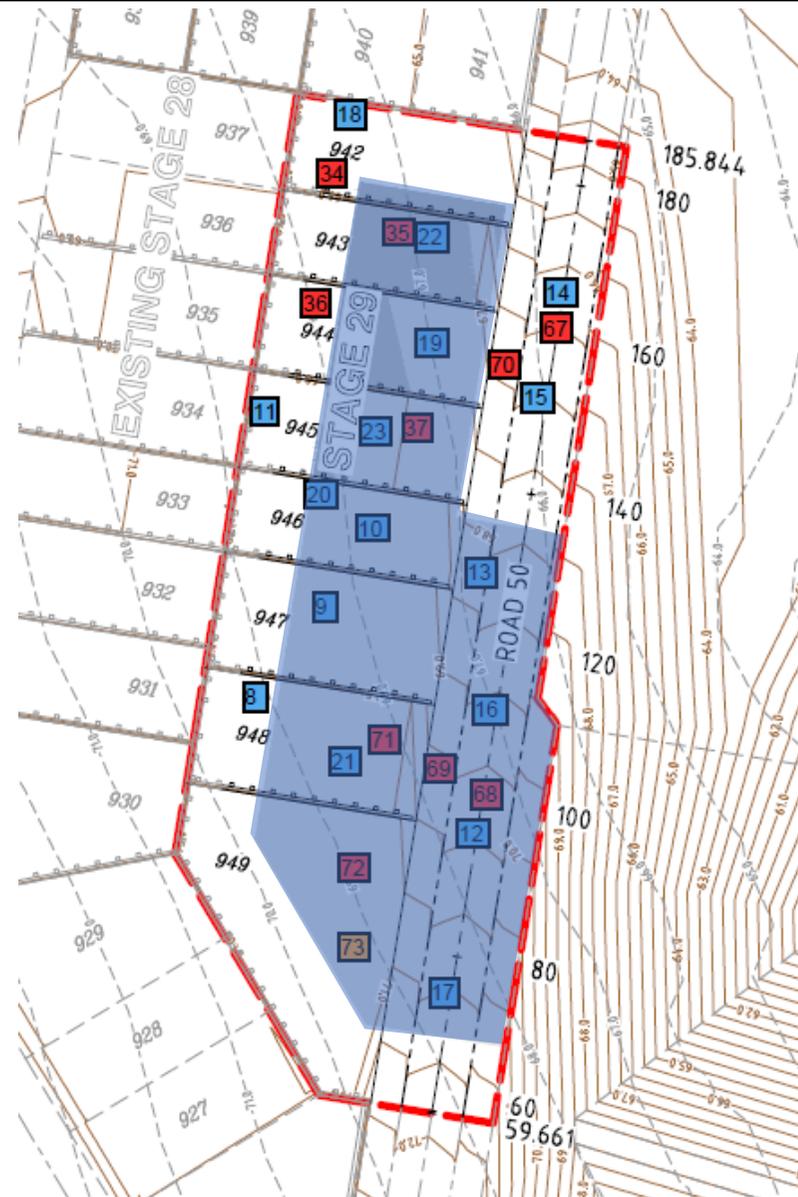
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3498
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 909 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 909 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 909 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

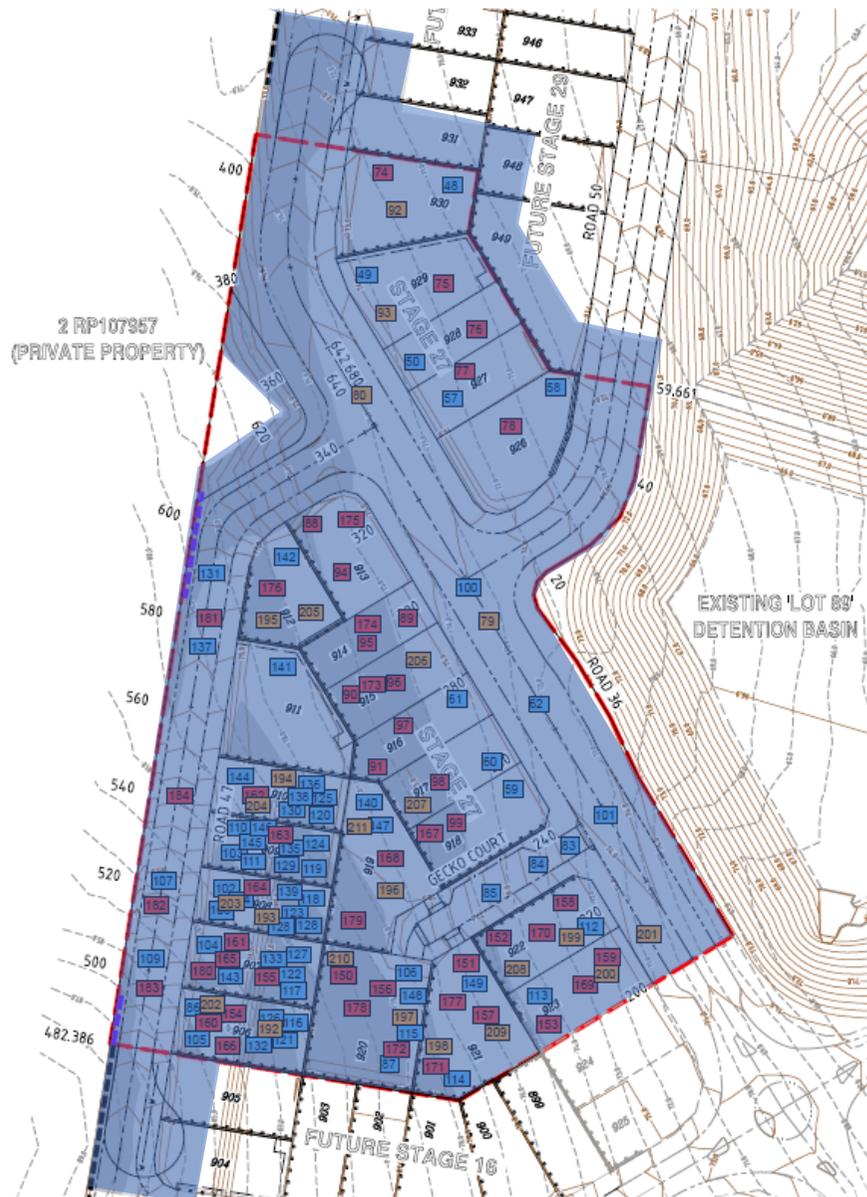
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

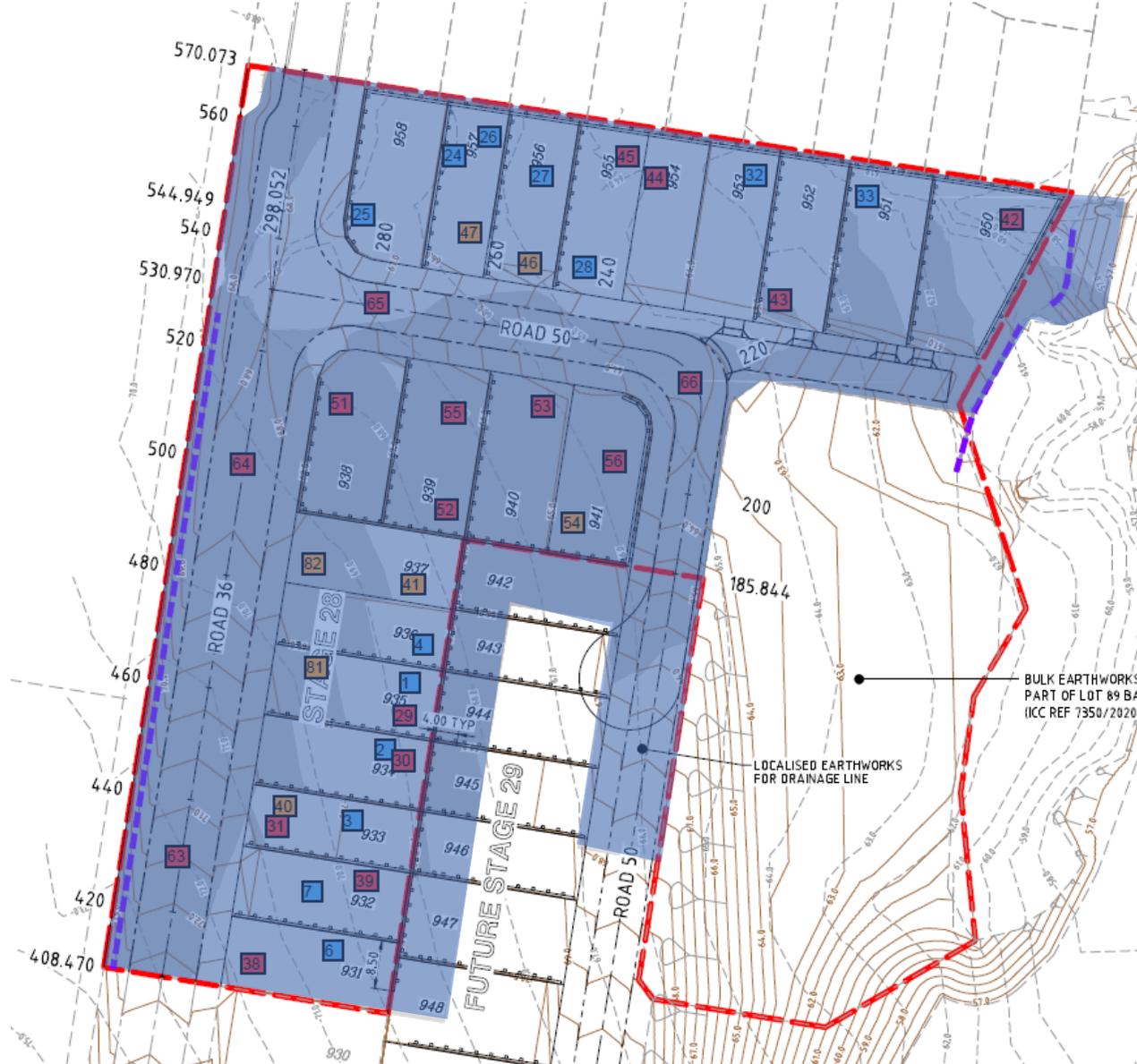
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

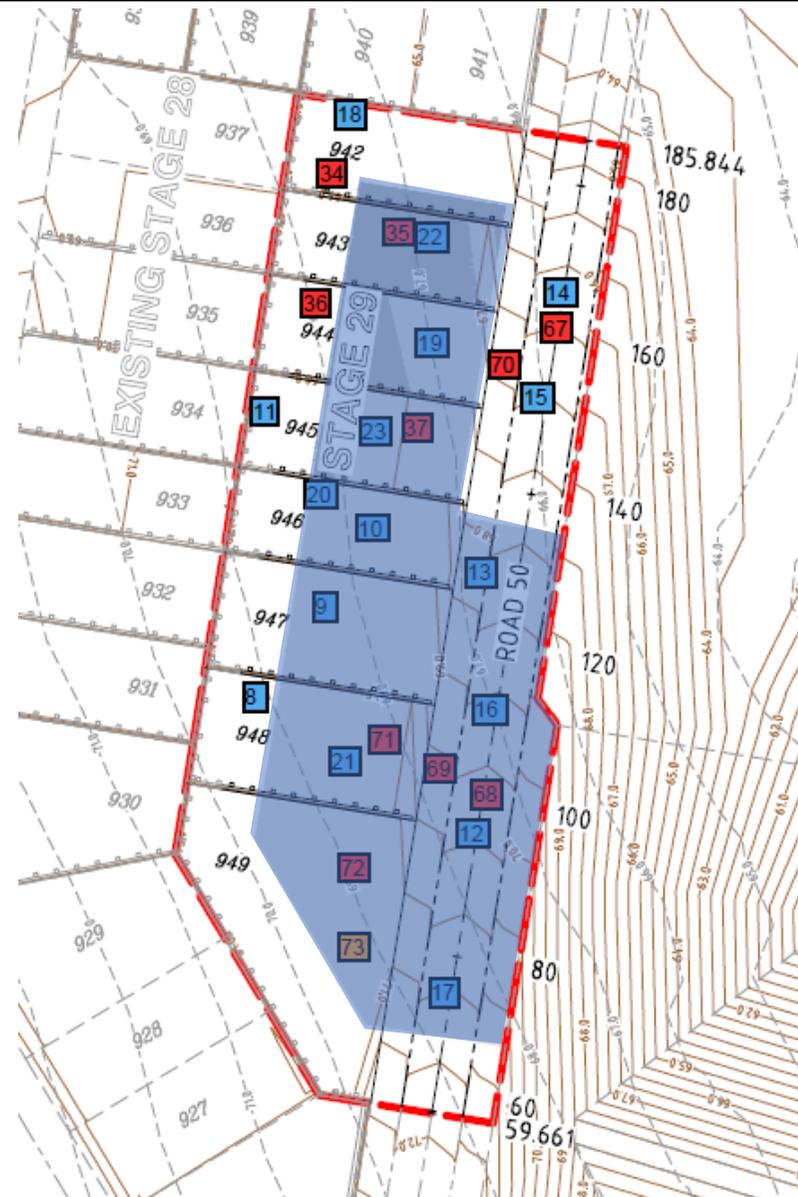
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3499
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
LOT 910 – EDEN'S CROSSING STAGE 27, 28 AND 29
REDBANK PLAINS**

Fill was placed and compacted on Lot 910 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 910 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

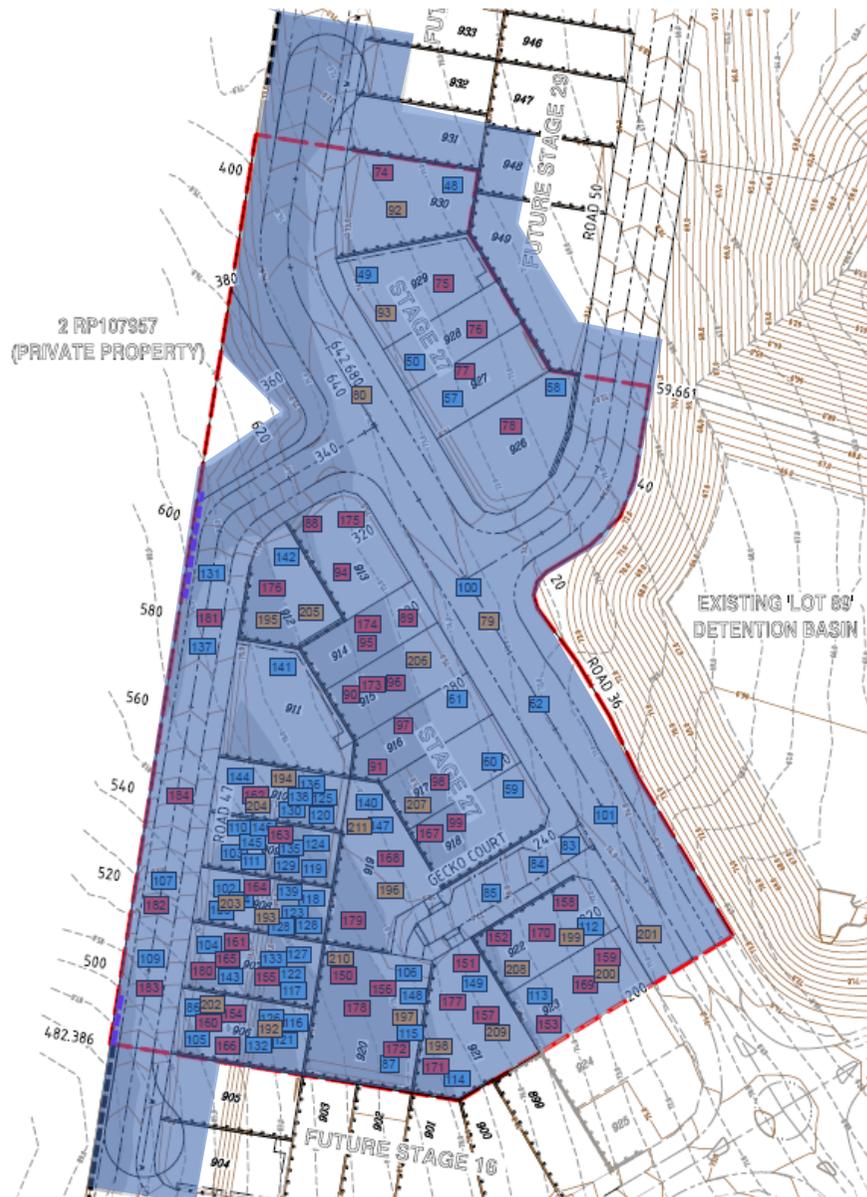
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping
 Capping
 Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 27

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

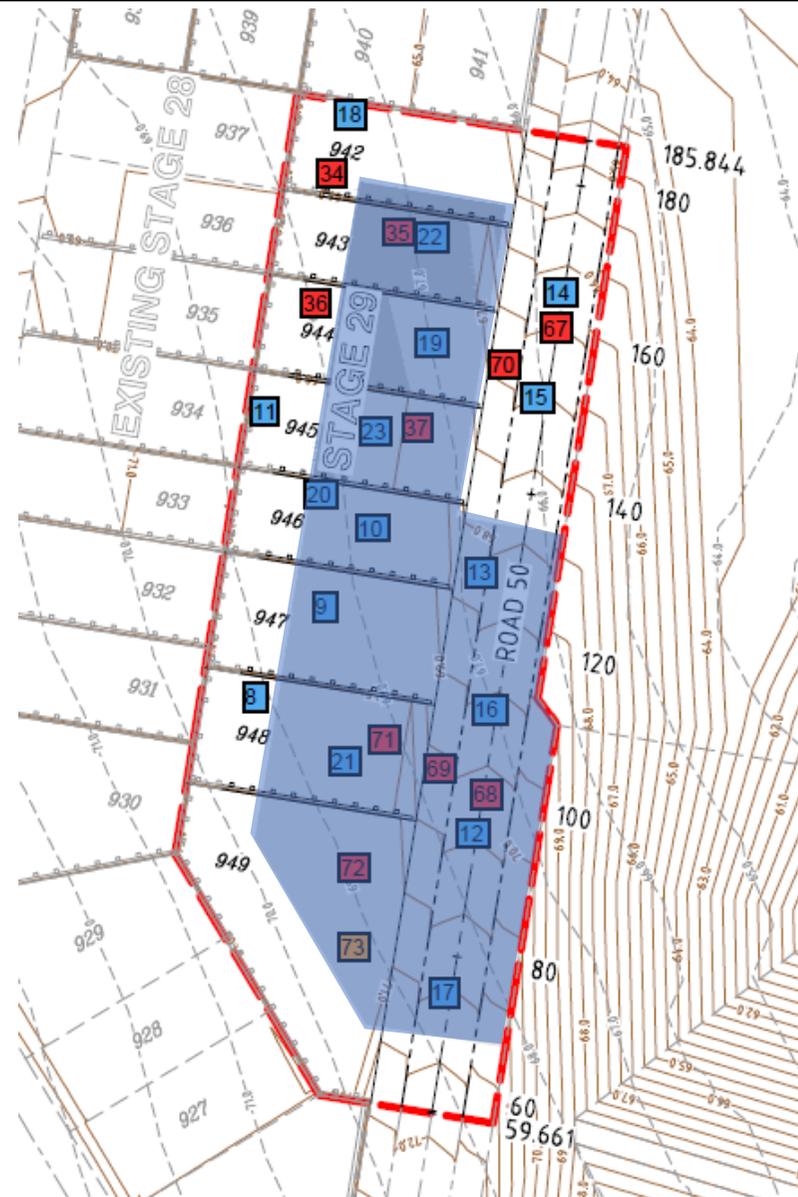
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3500
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 911 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 911 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 911 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

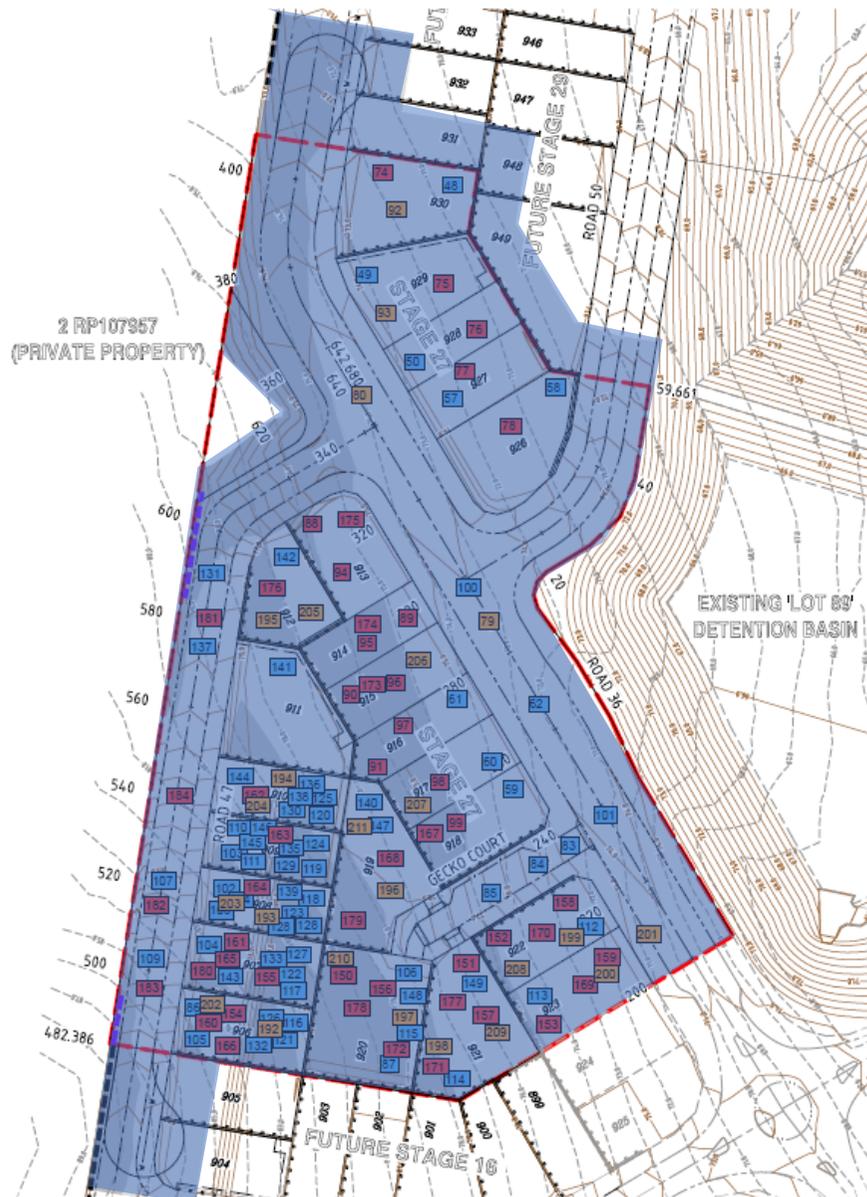
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

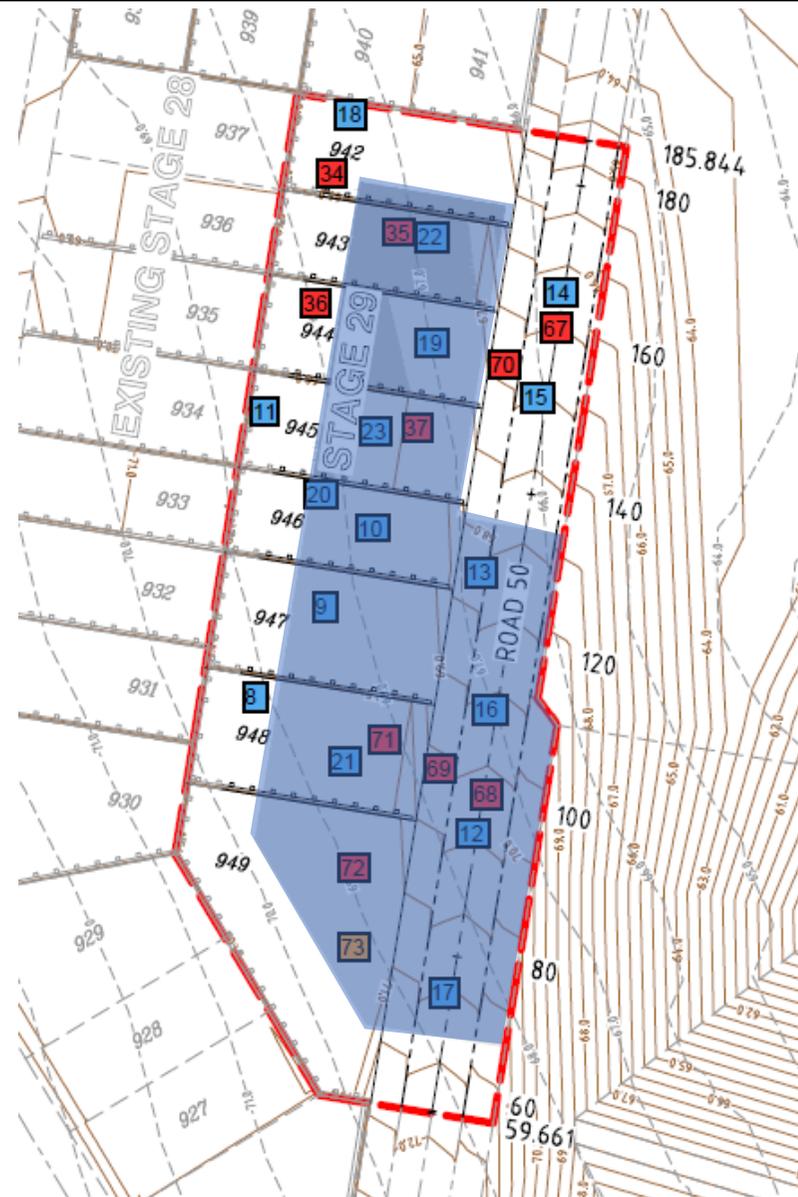
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3501
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
LOT 912 – EDEN'S CROSSING STAGE 27, 28 AND 29
REDBANK PLAINS**

Fill was placed and compacted on Lot 912 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 912 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

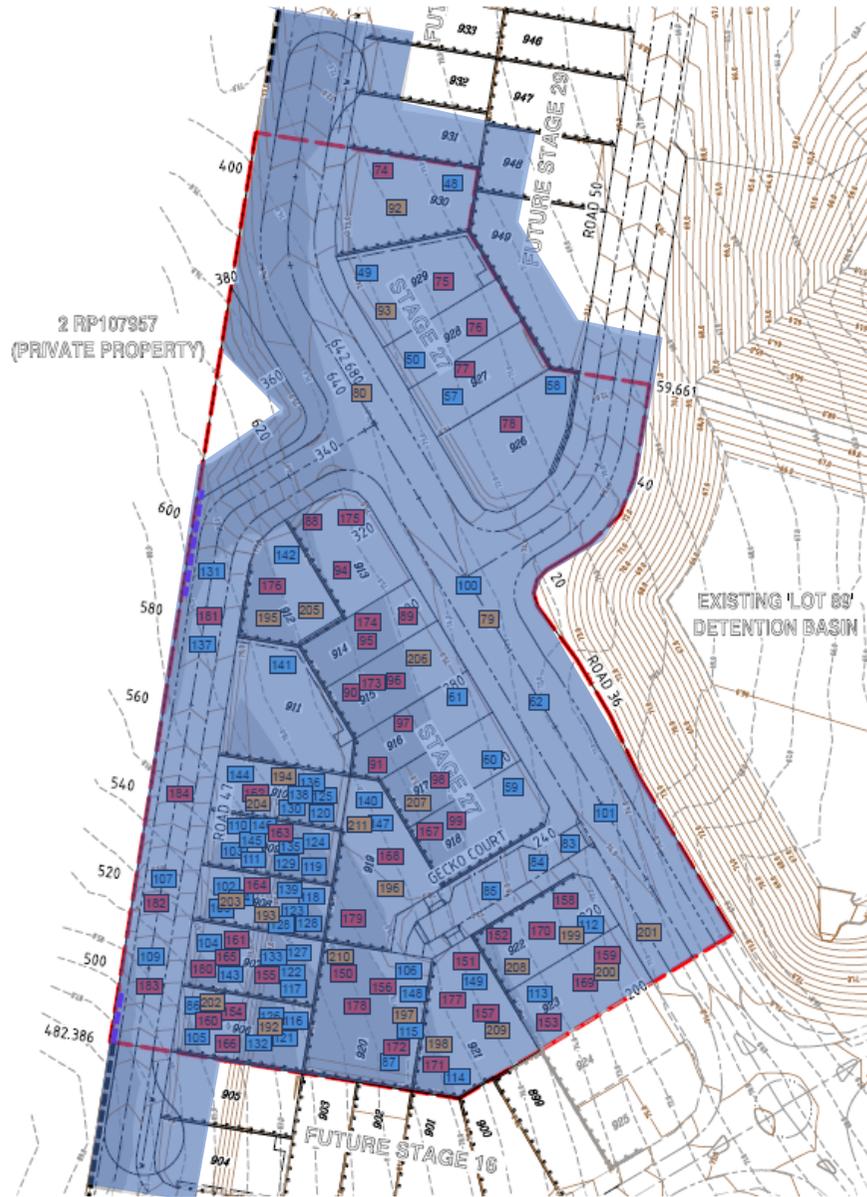
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

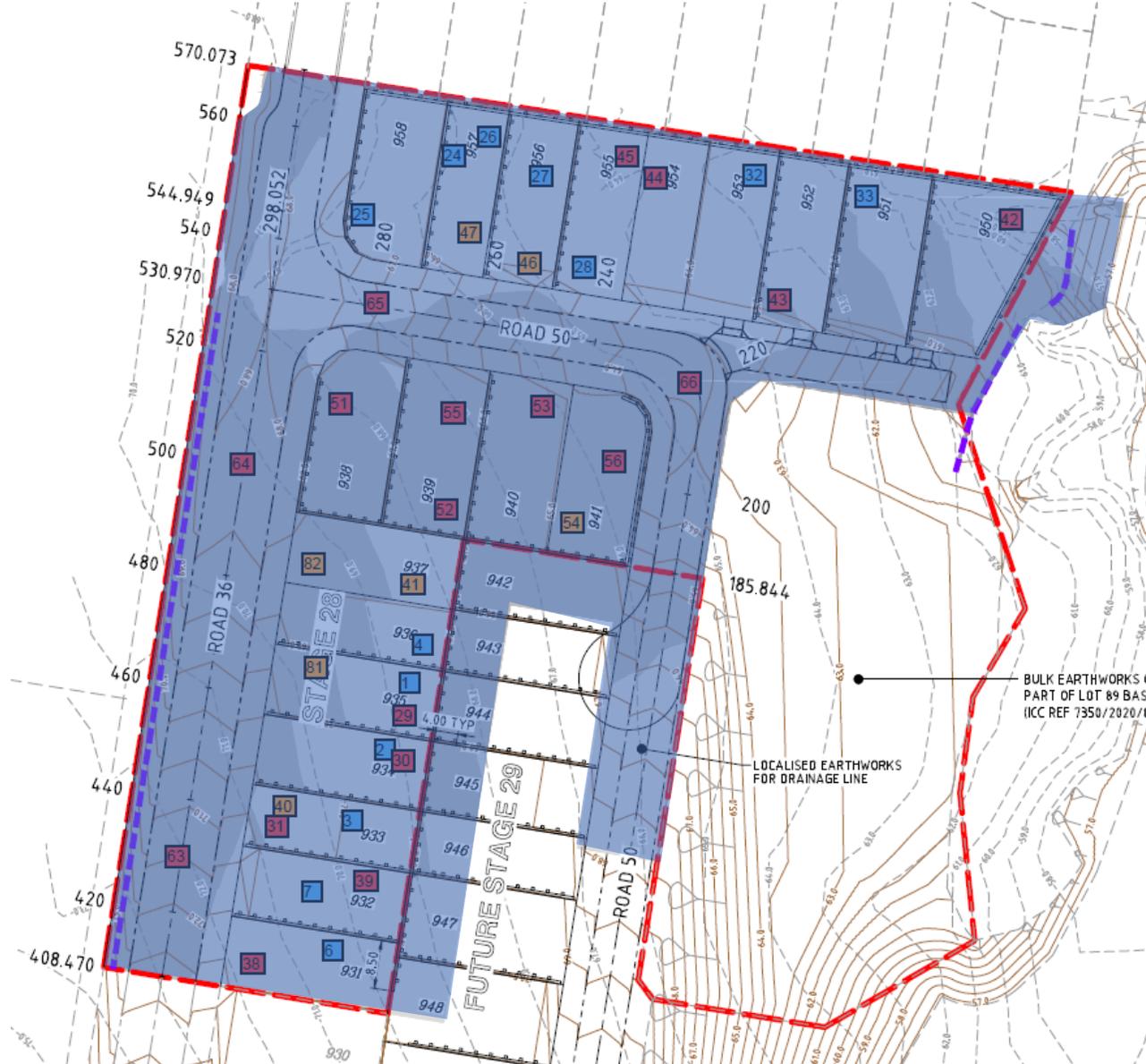
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

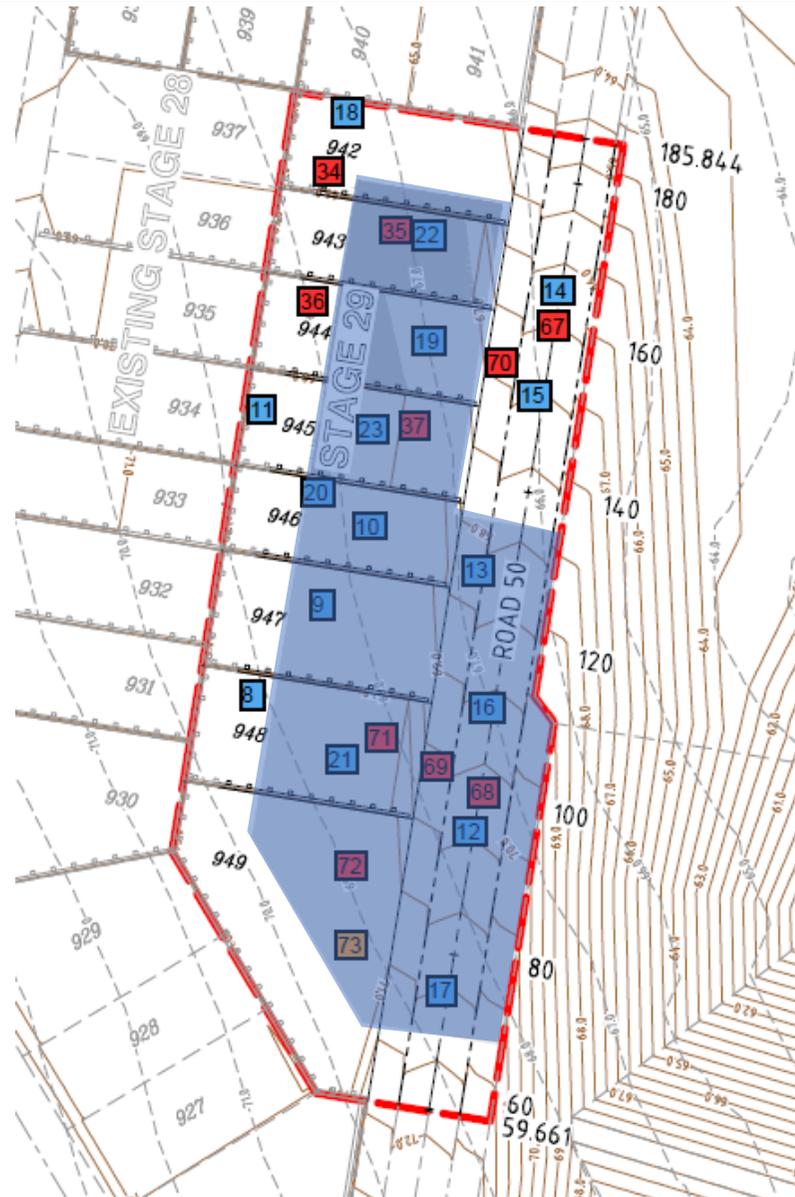
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3502
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 913 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 913 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 913 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

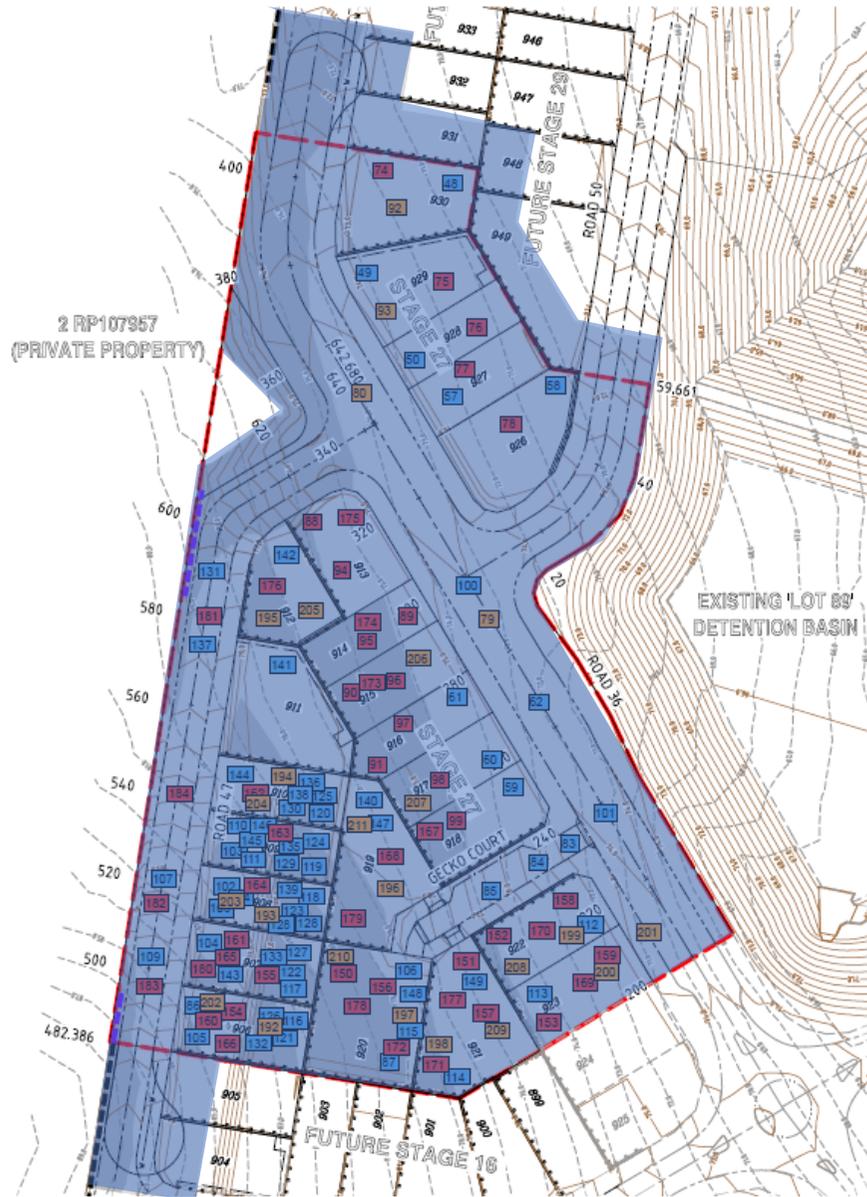
This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

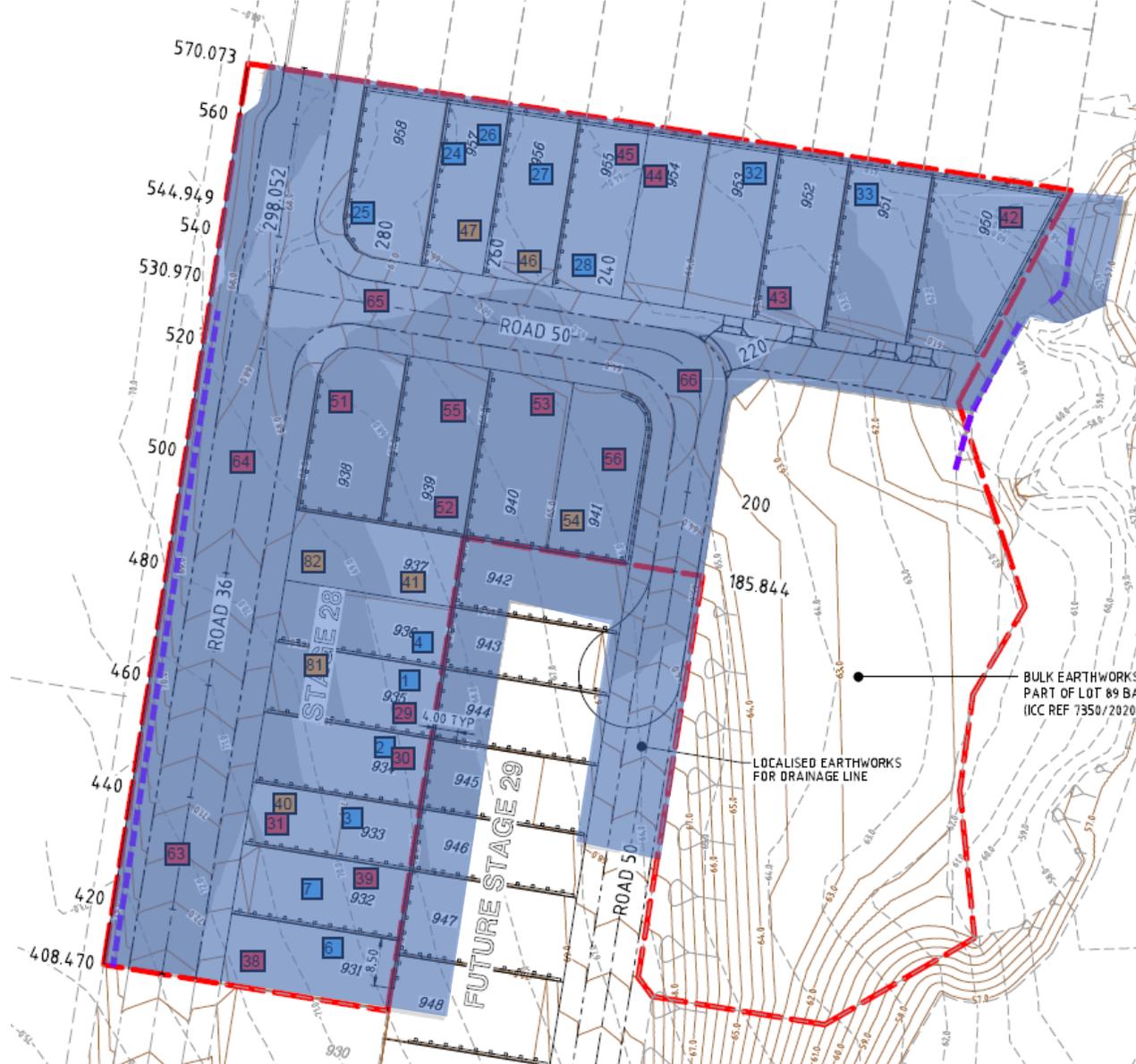
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

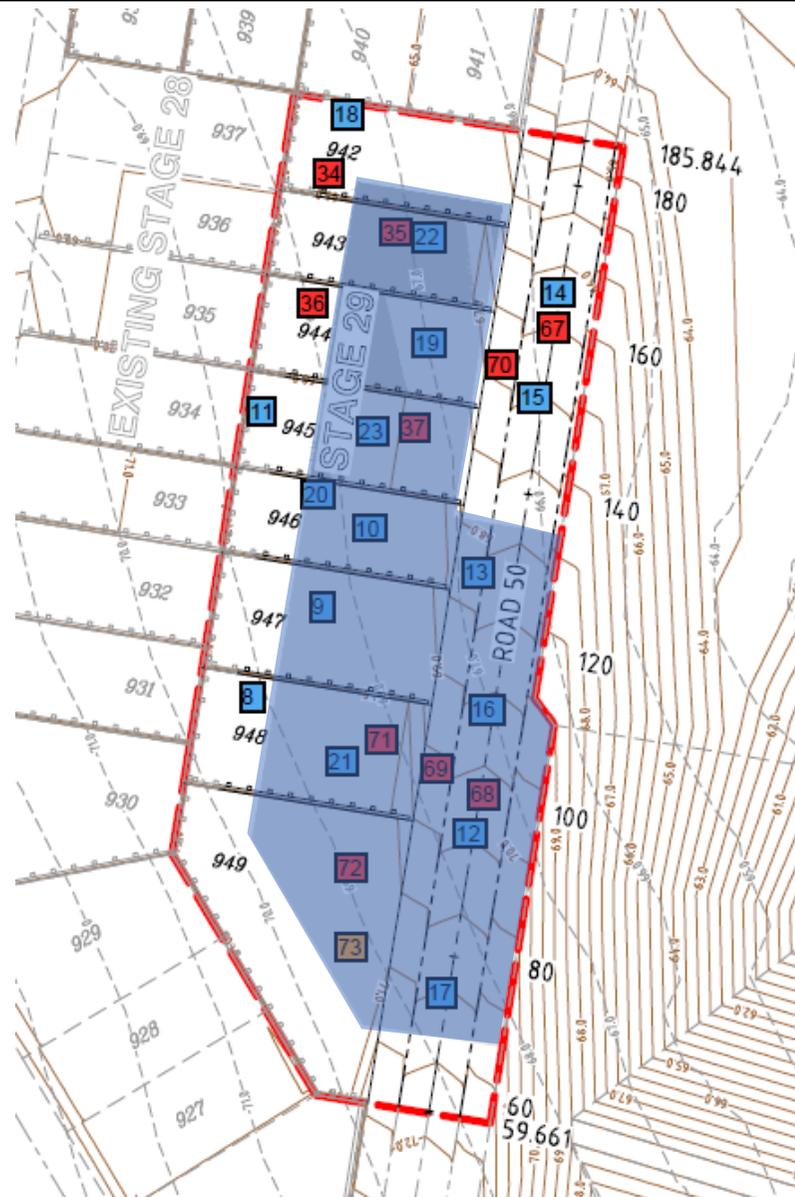
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3503
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 914 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 914 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 914 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

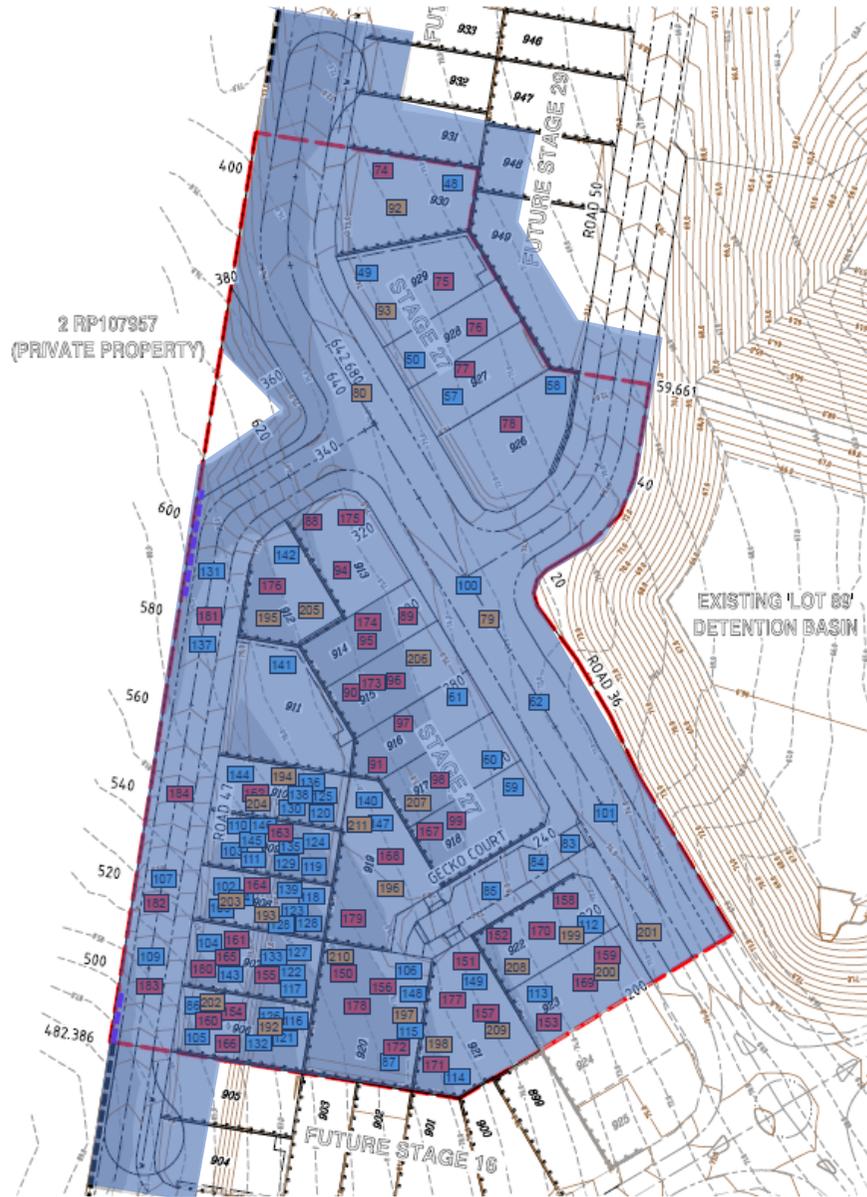
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

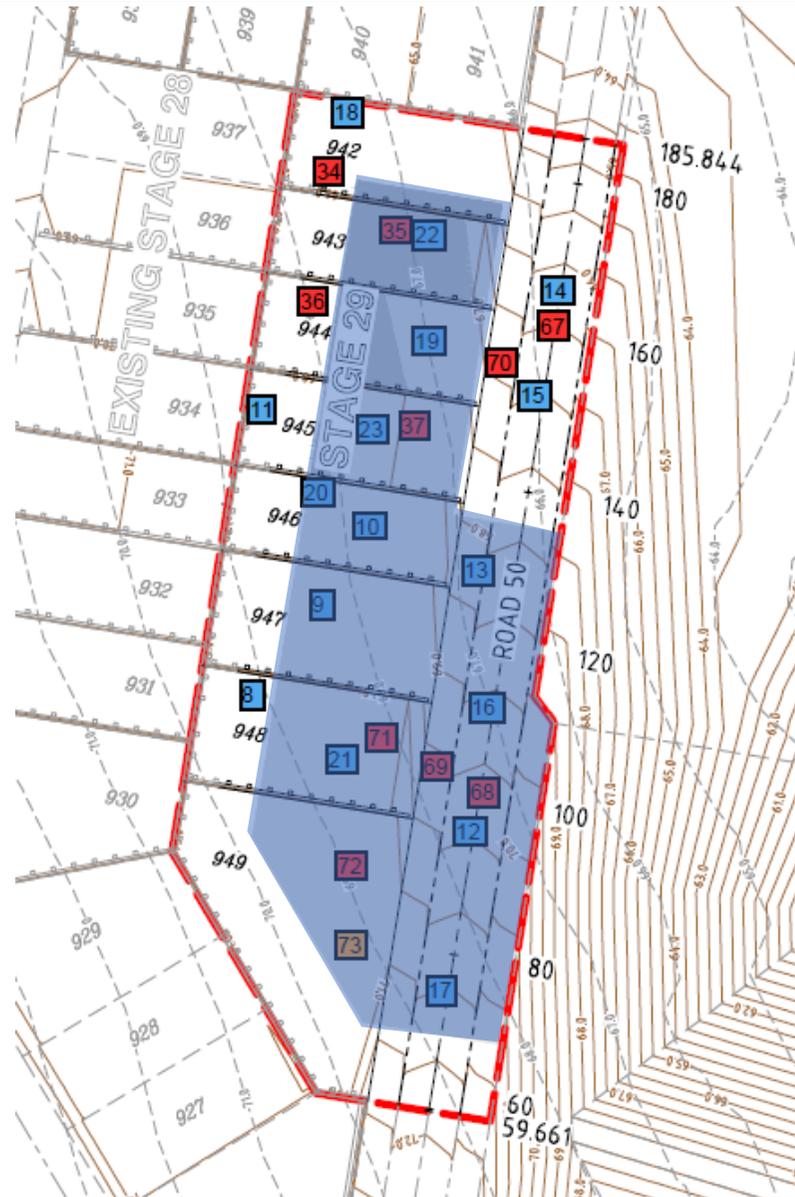
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3504
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 915 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 915 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 915 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

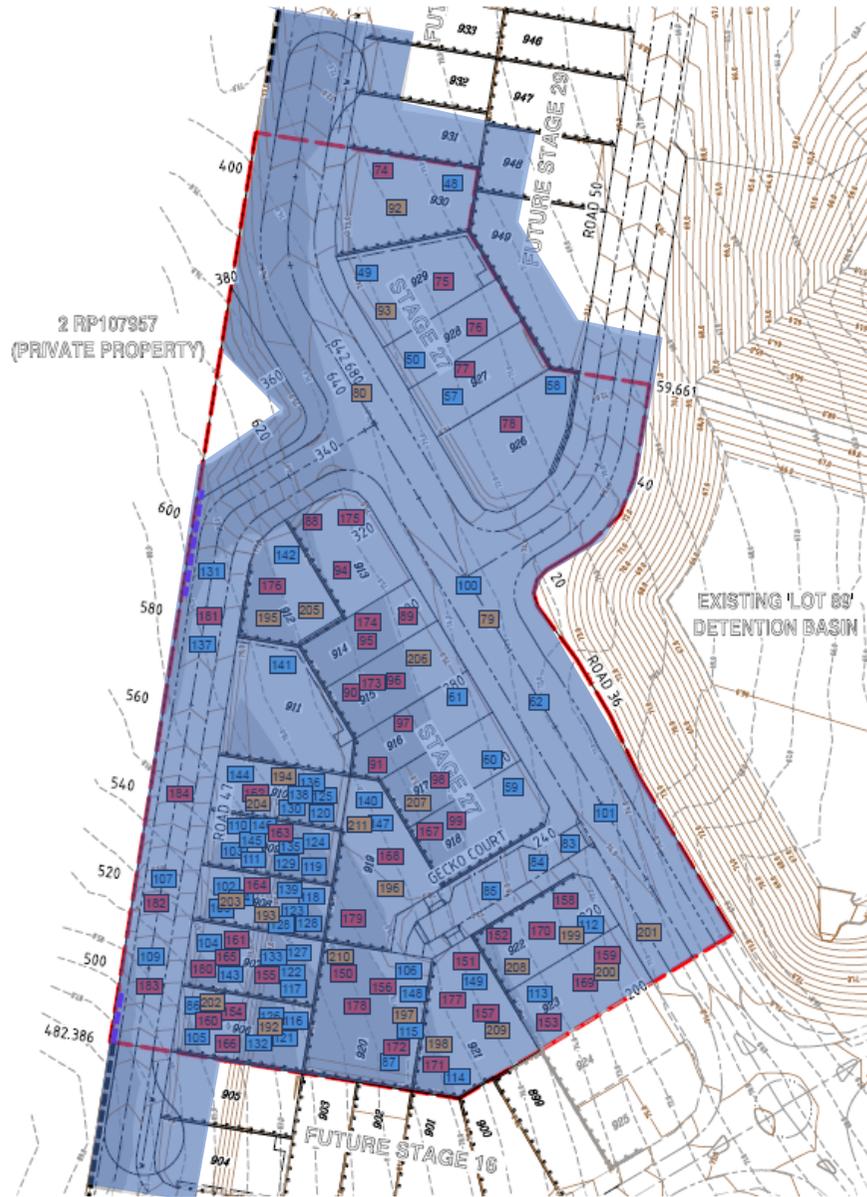
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

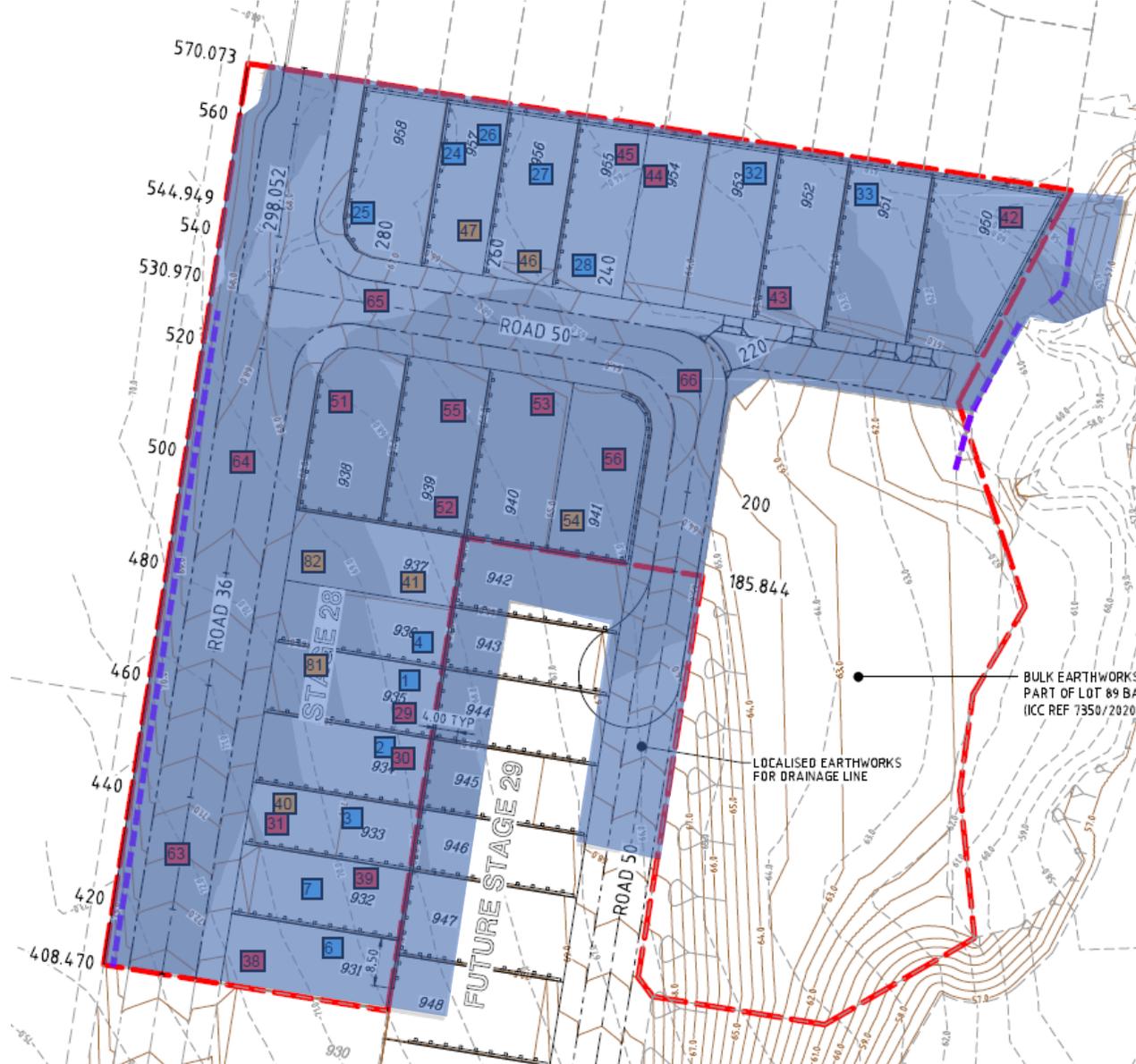
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

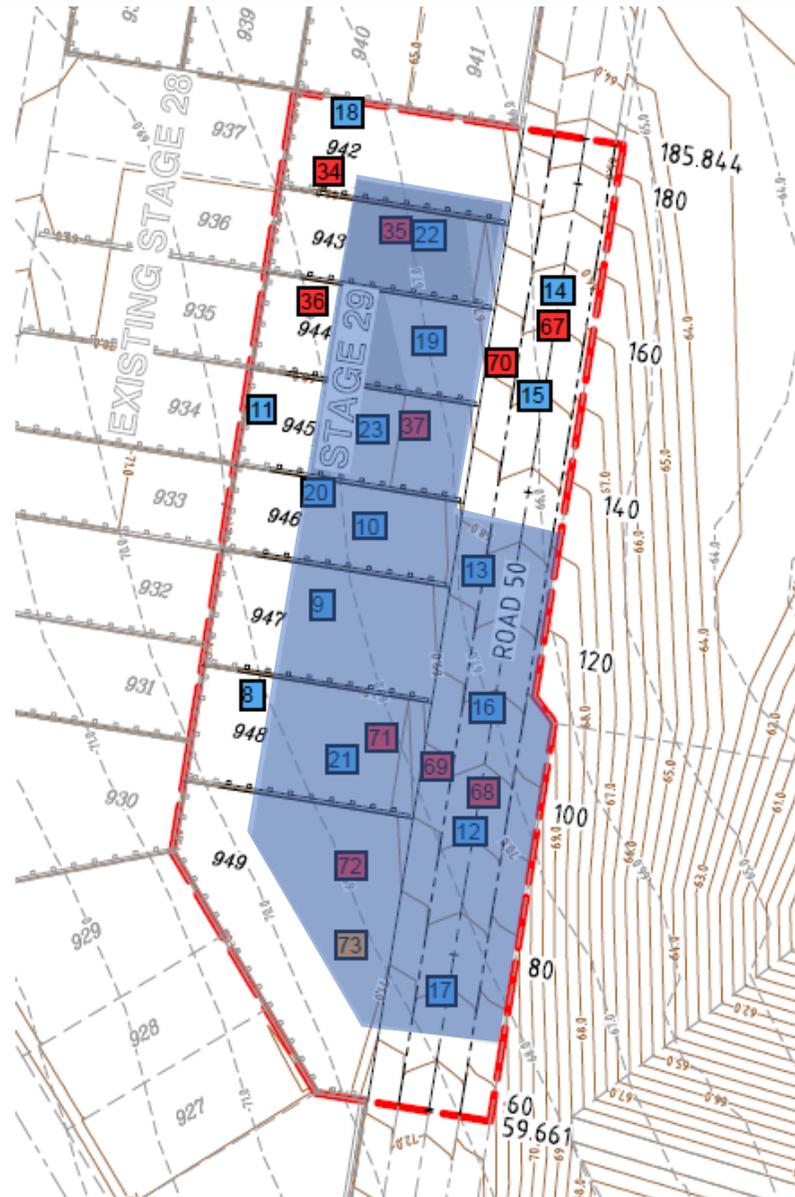
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3505
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 916 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 916 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 916 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

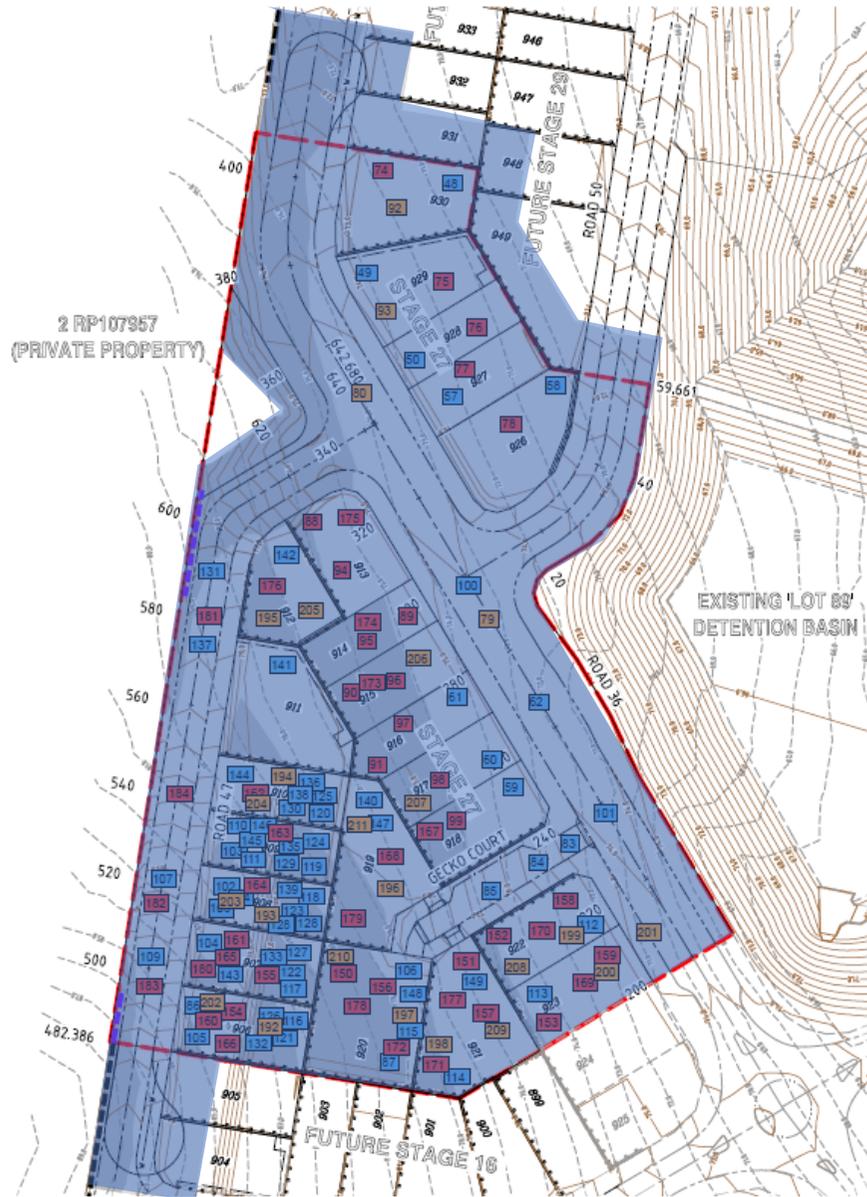
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



BULK EARTHWORKS (PART OF LOT 89 BAS
ICC REF 7350/2020/C

LOCALISED EARTHWORKS
FOR DRAINAGE LINE

LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

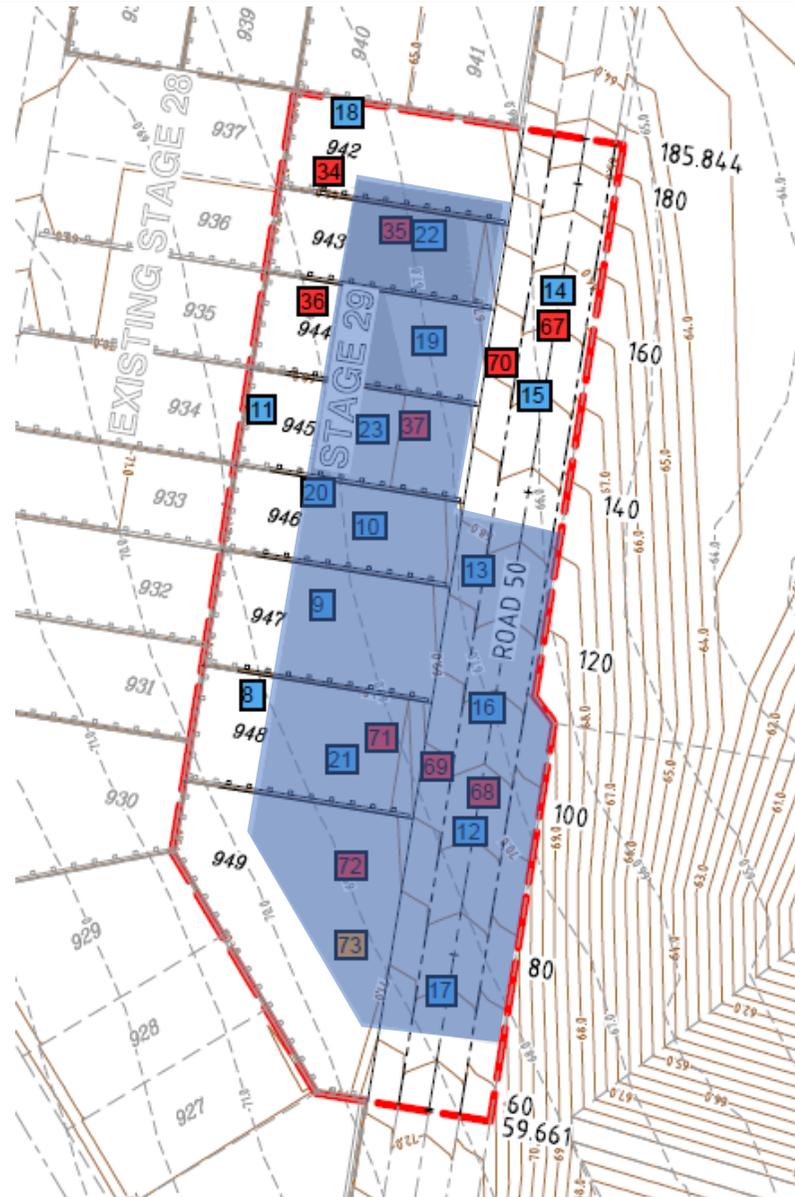
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3506
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 917 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 917 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 917 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

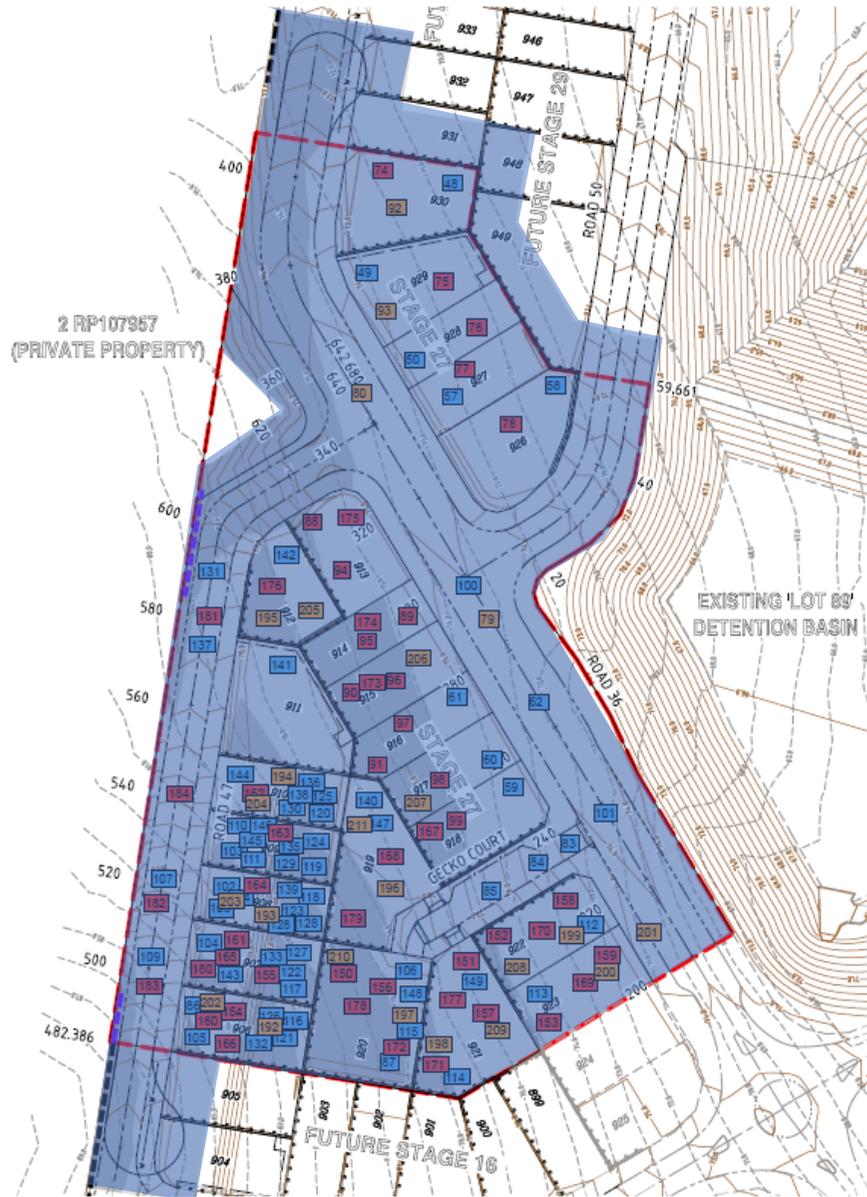
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

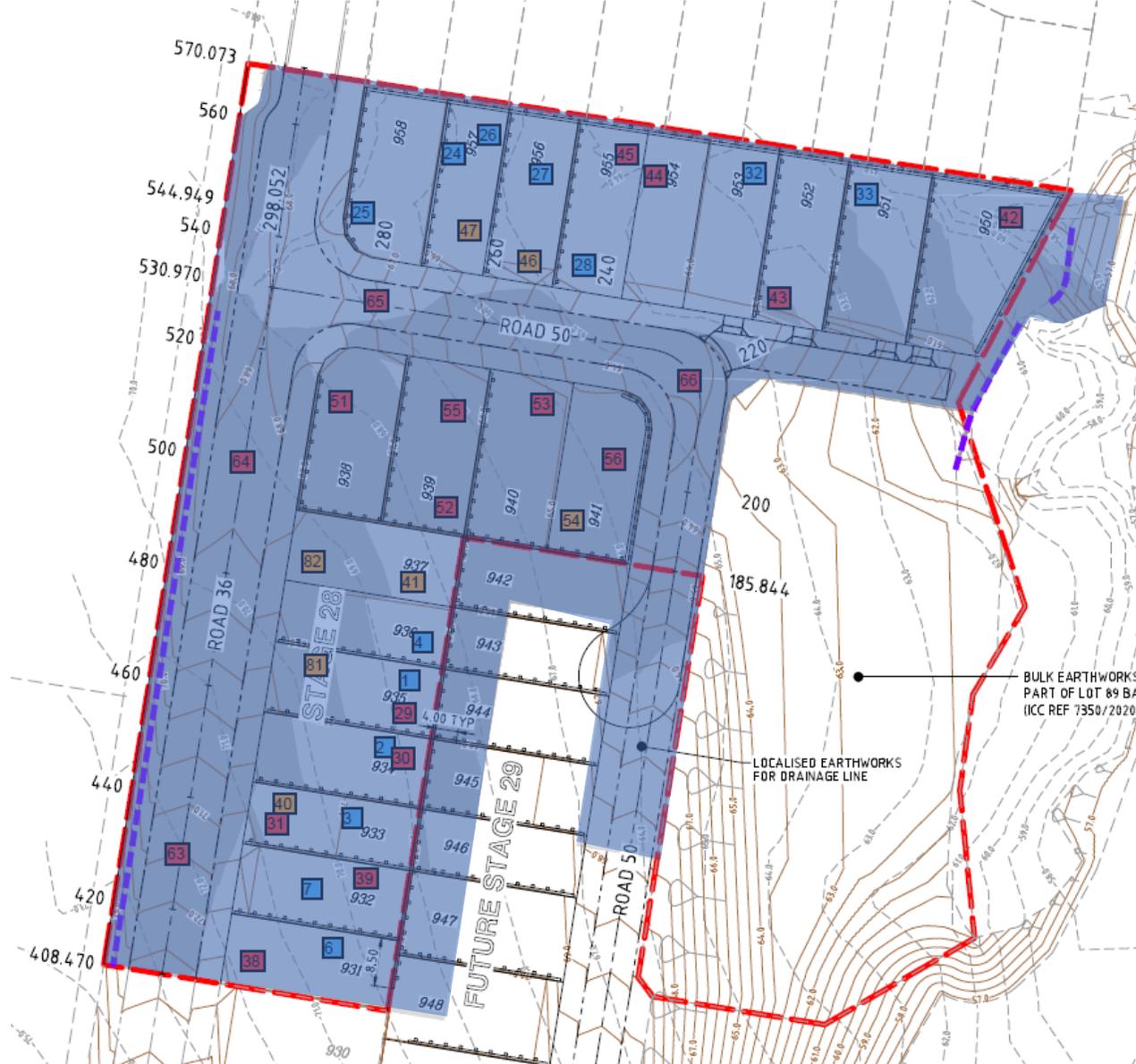
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

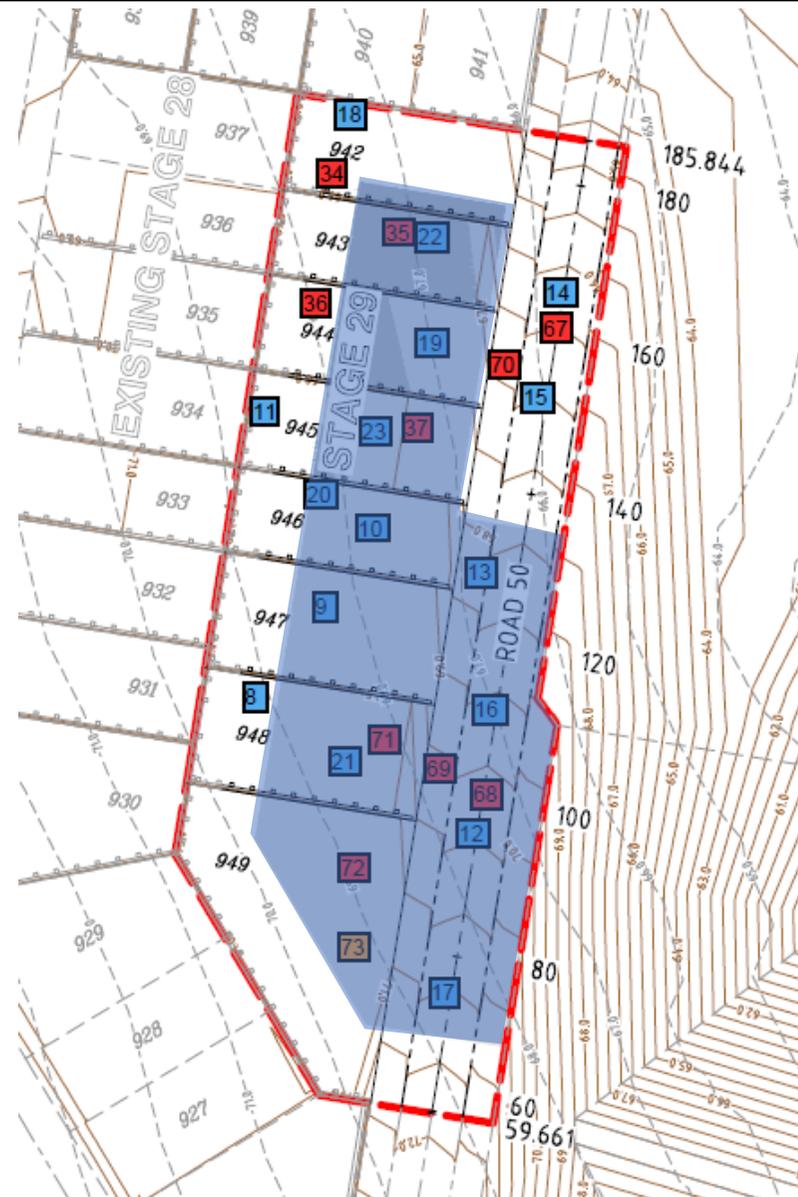
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3507
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 918 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 918 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 918 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

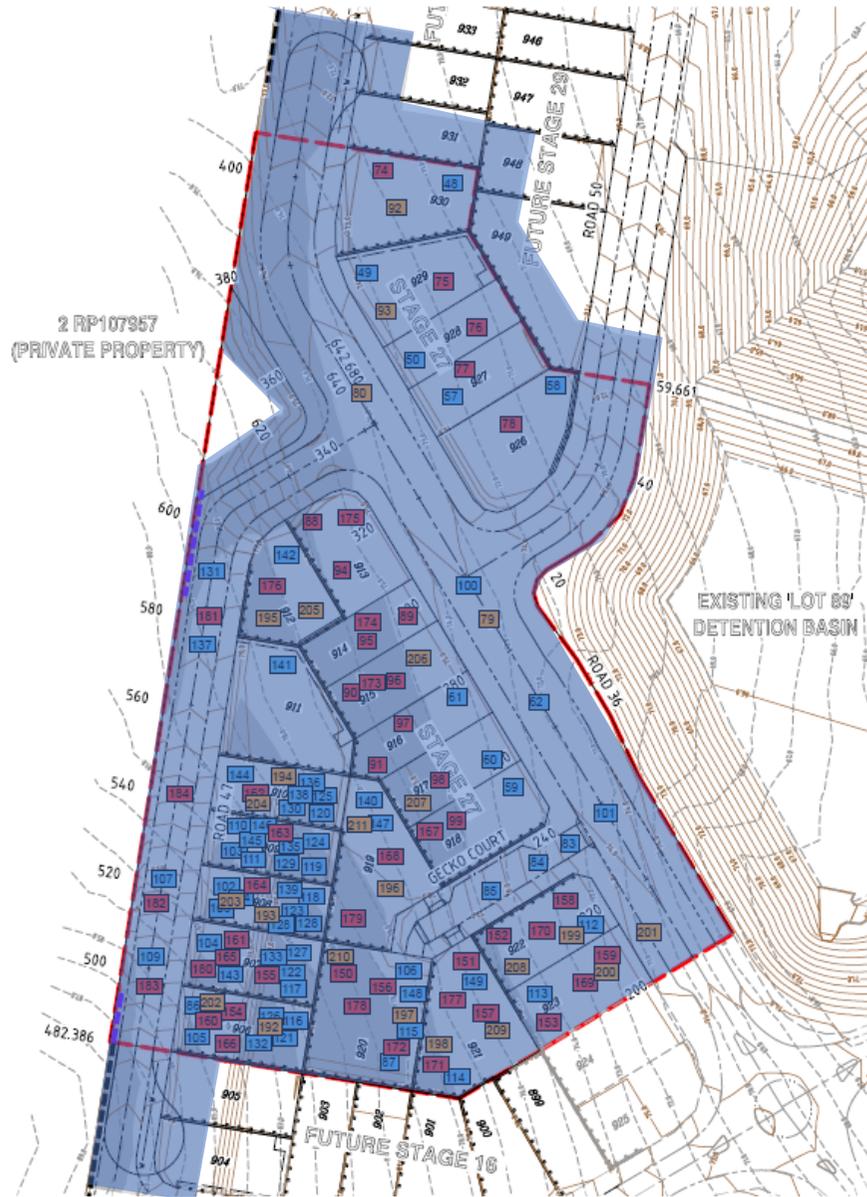
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

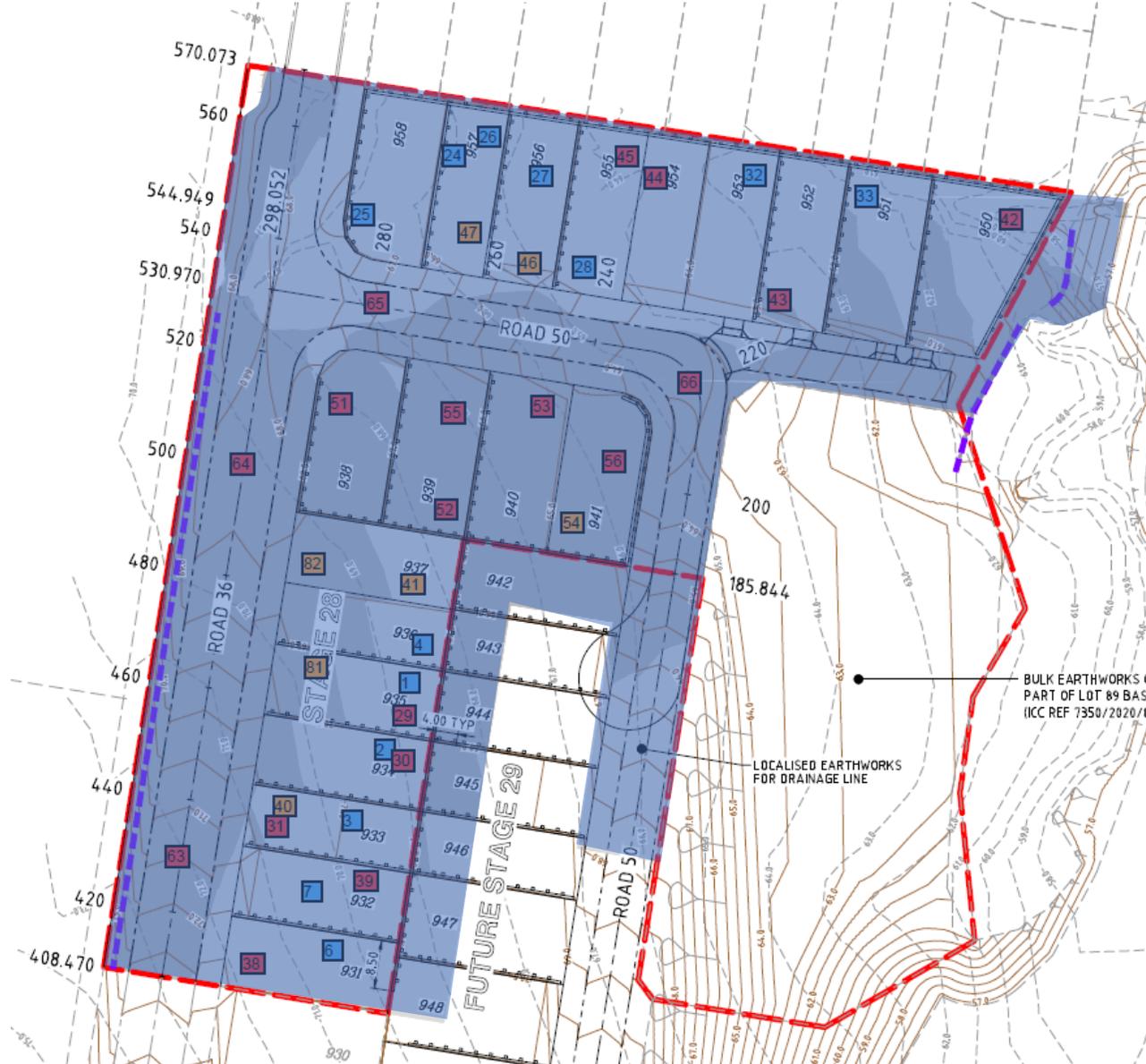
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3508
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 919 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 919 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 919 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

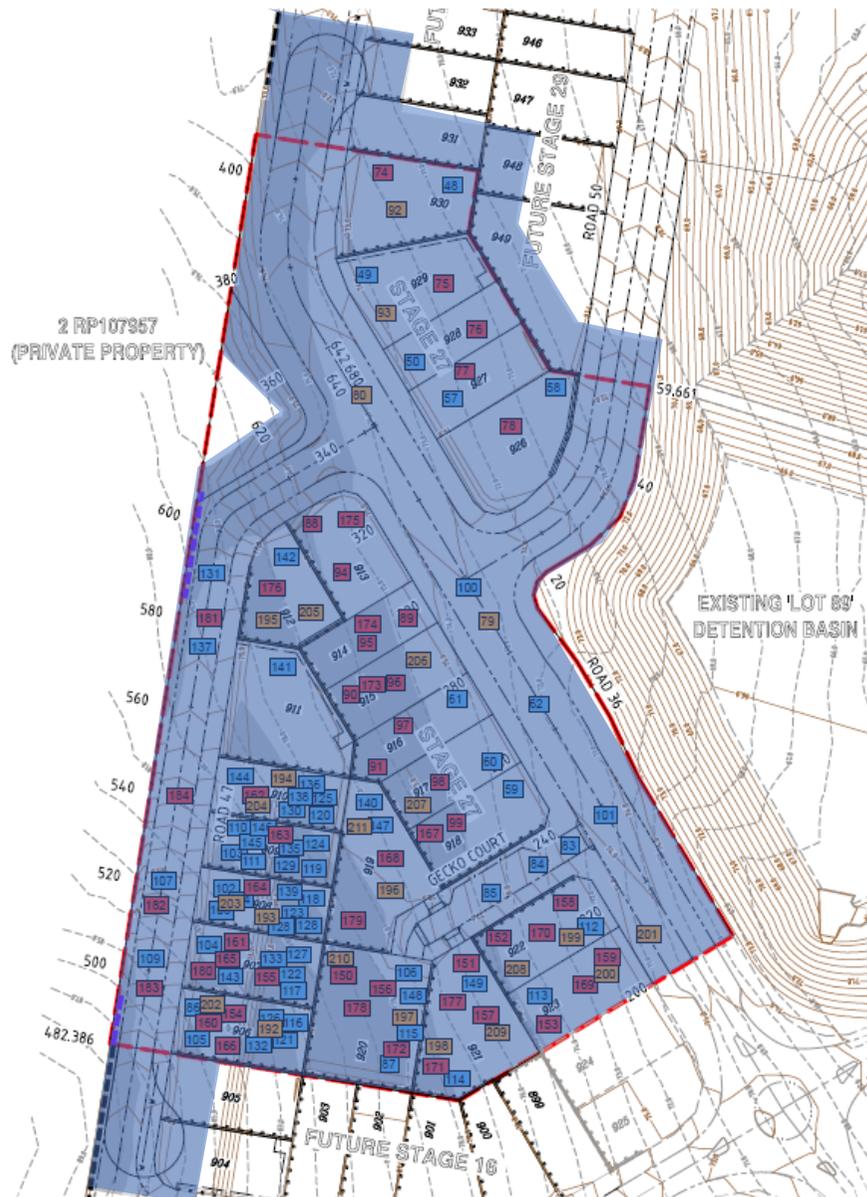
This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 27

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3509
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 920 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 920 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 920 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

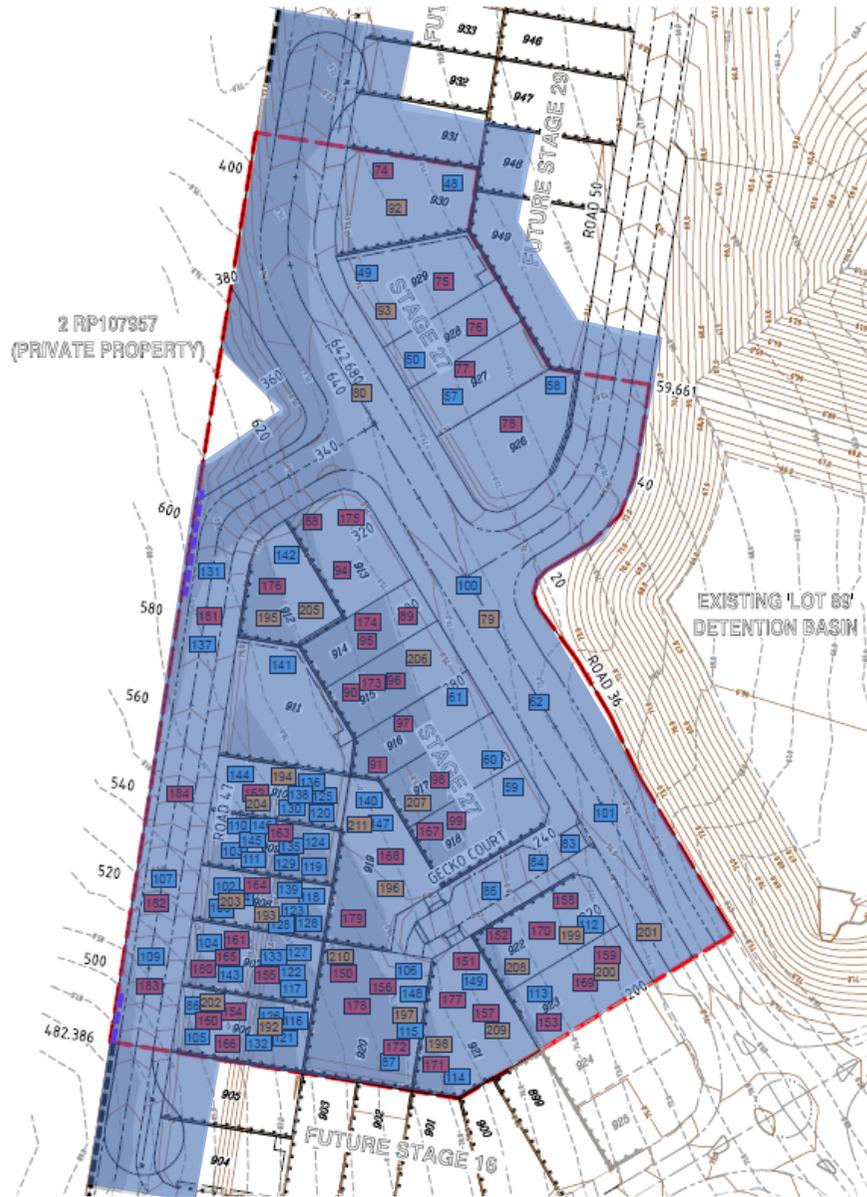
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

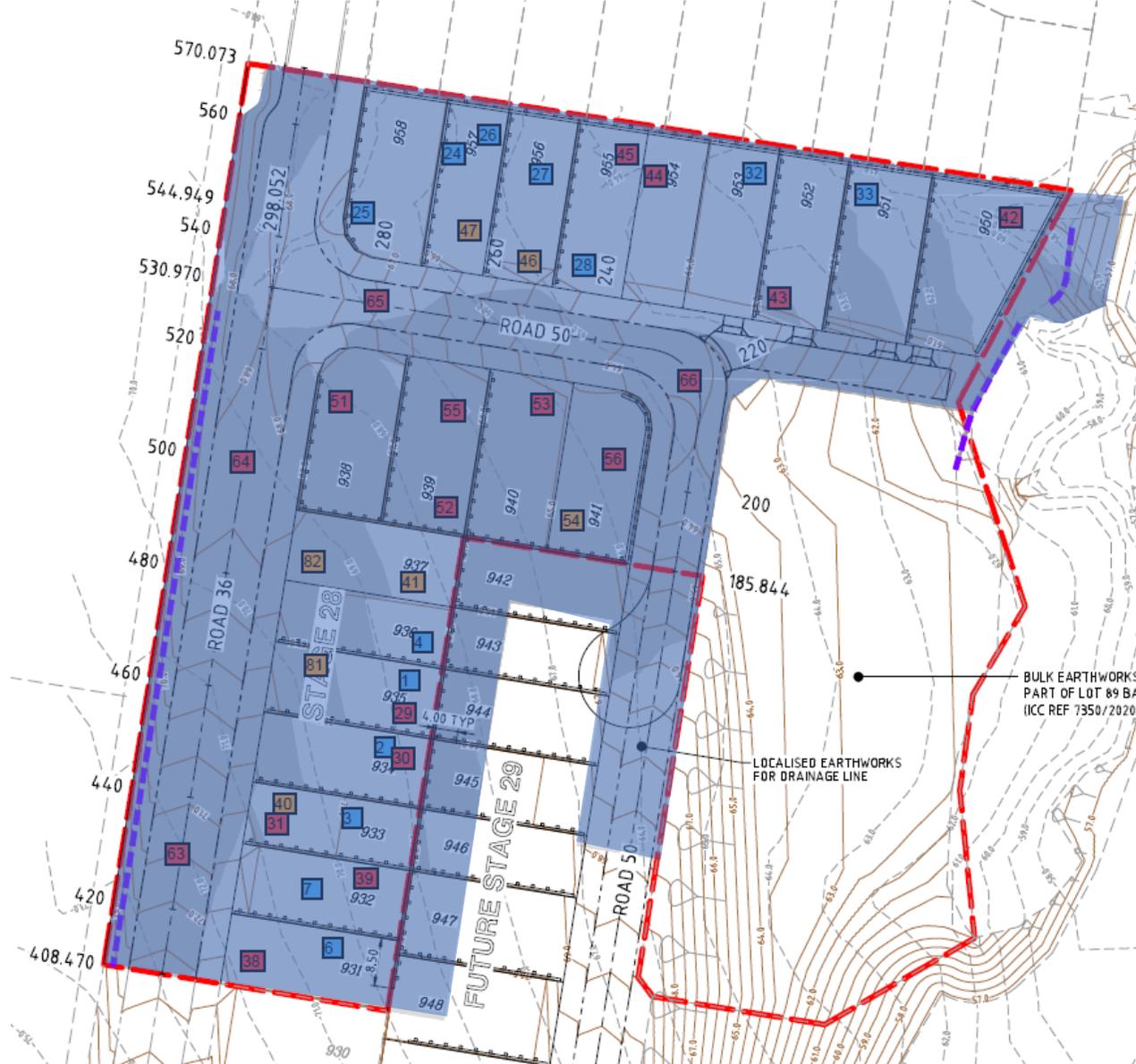
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 28

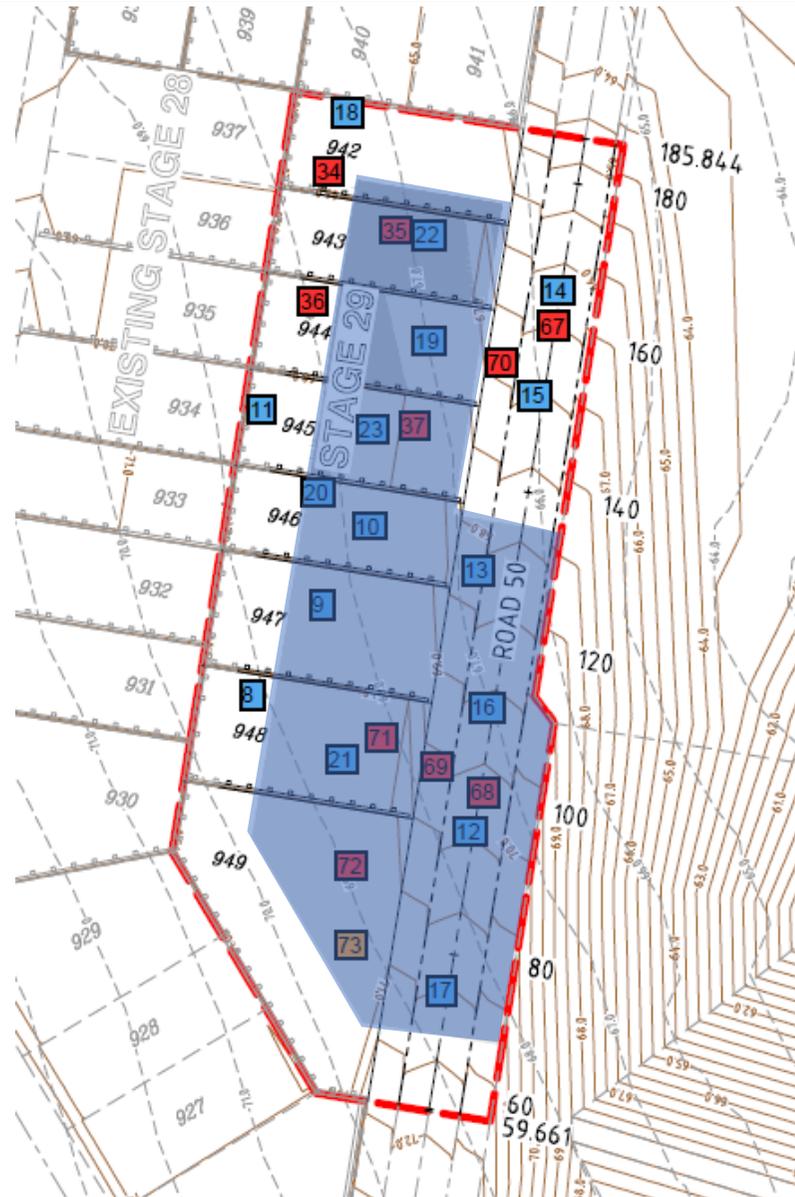
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3510
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 921 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 921 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 921 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

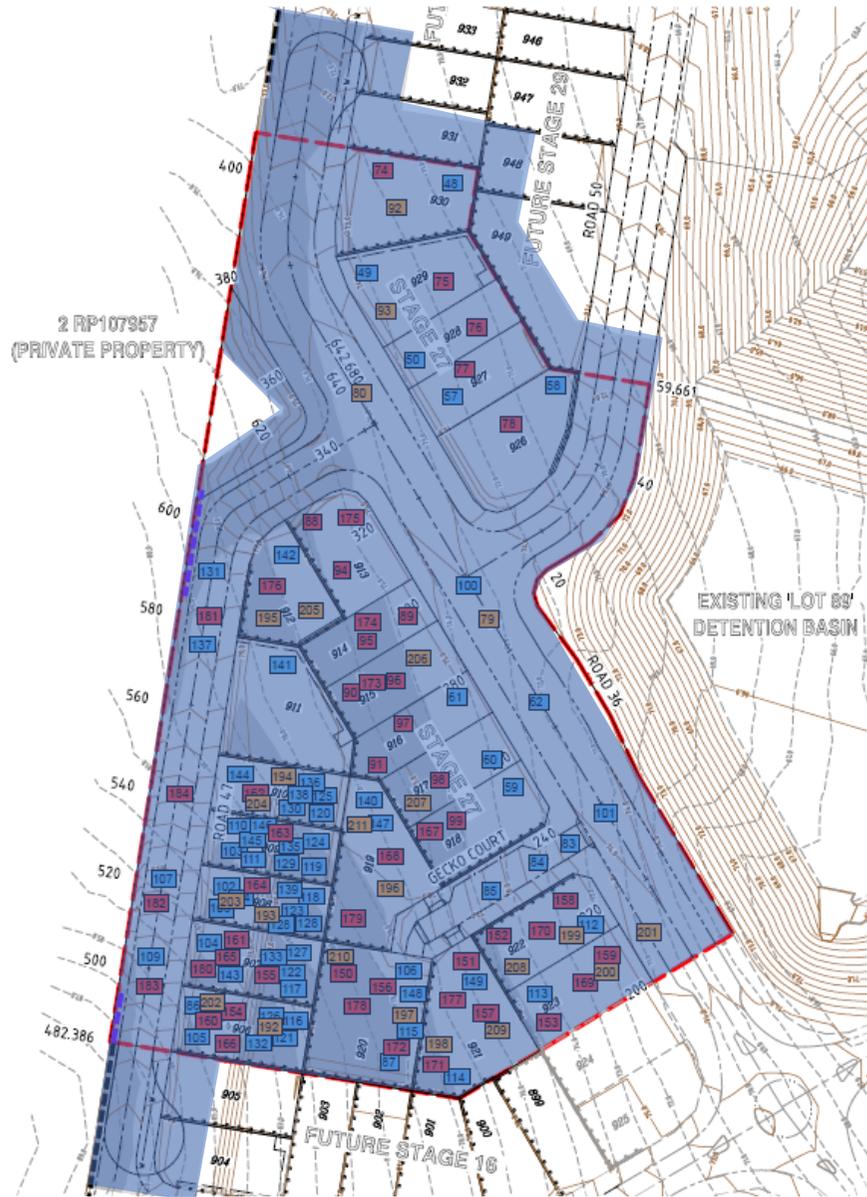
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

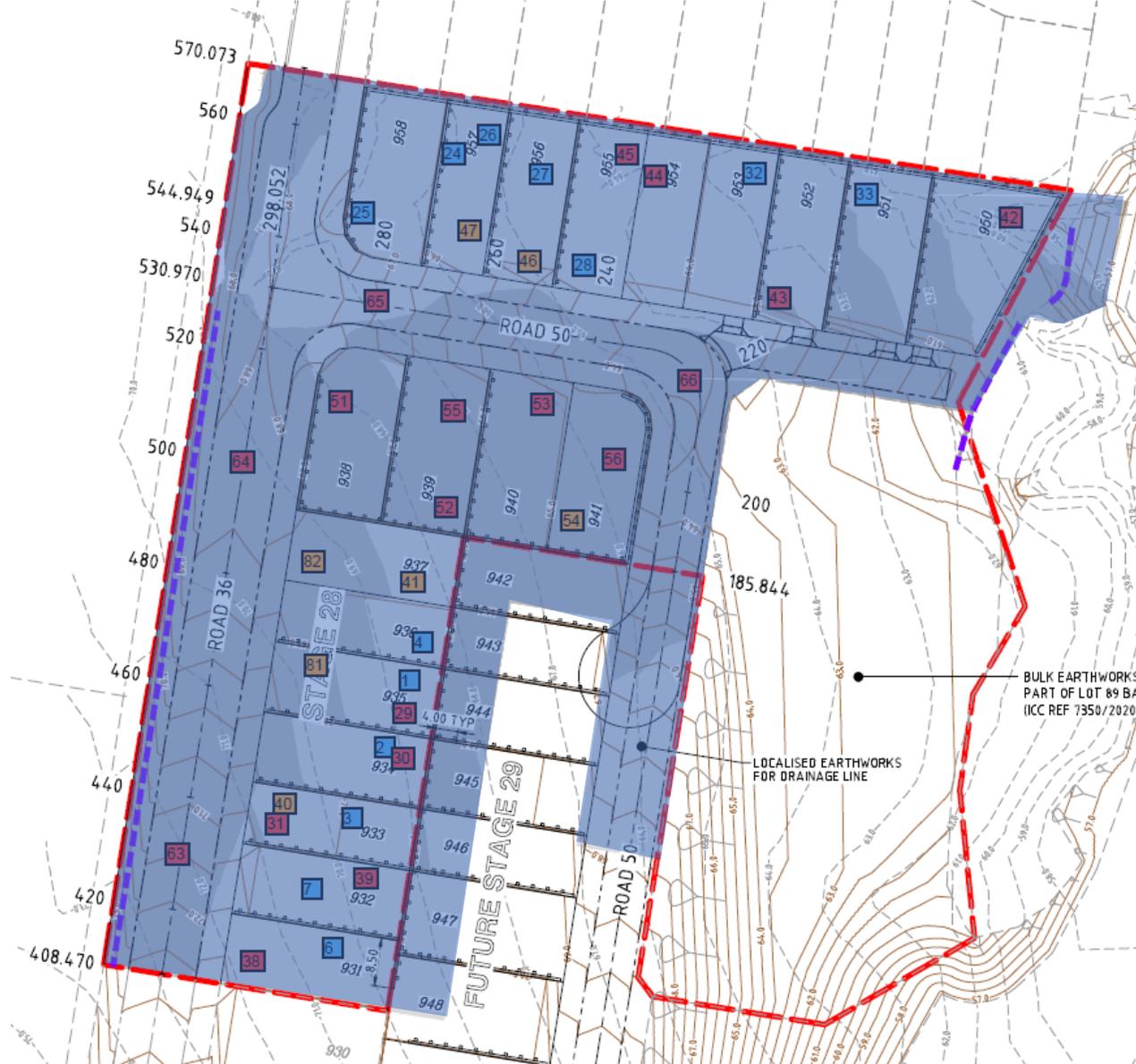
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

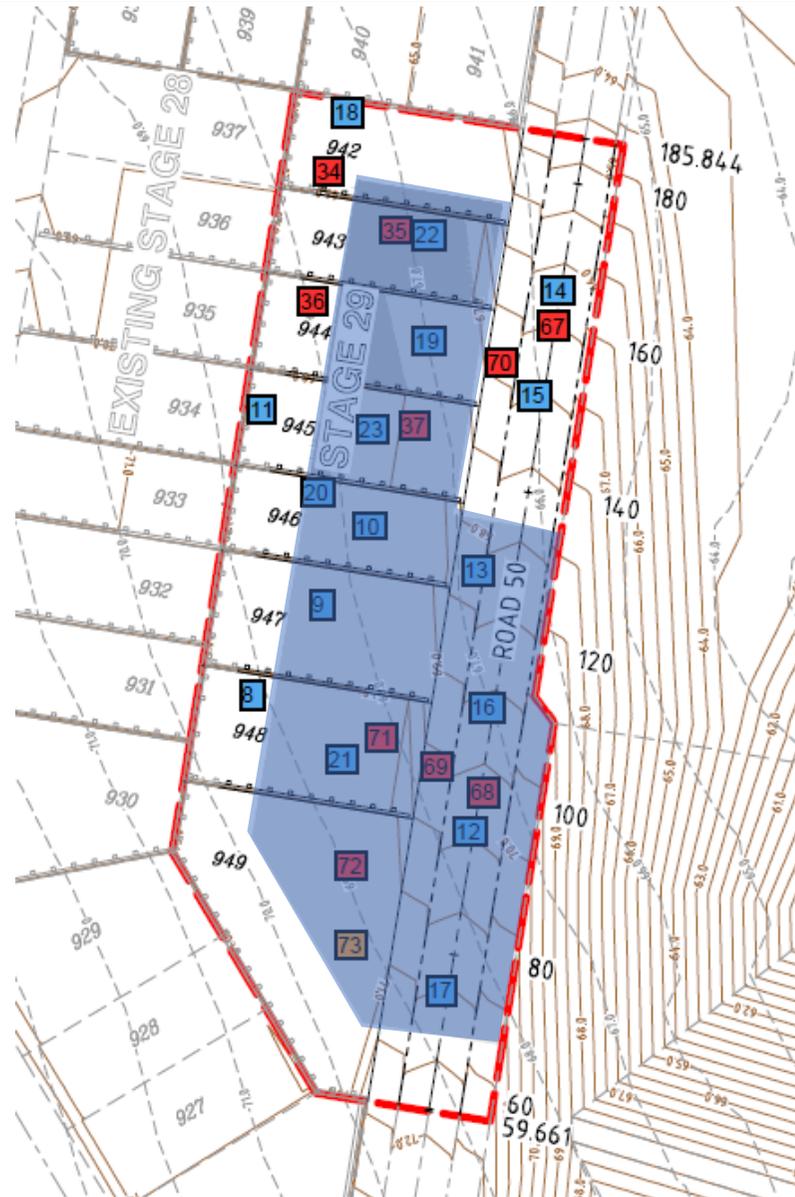
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3511
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 922 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 922 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 922 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

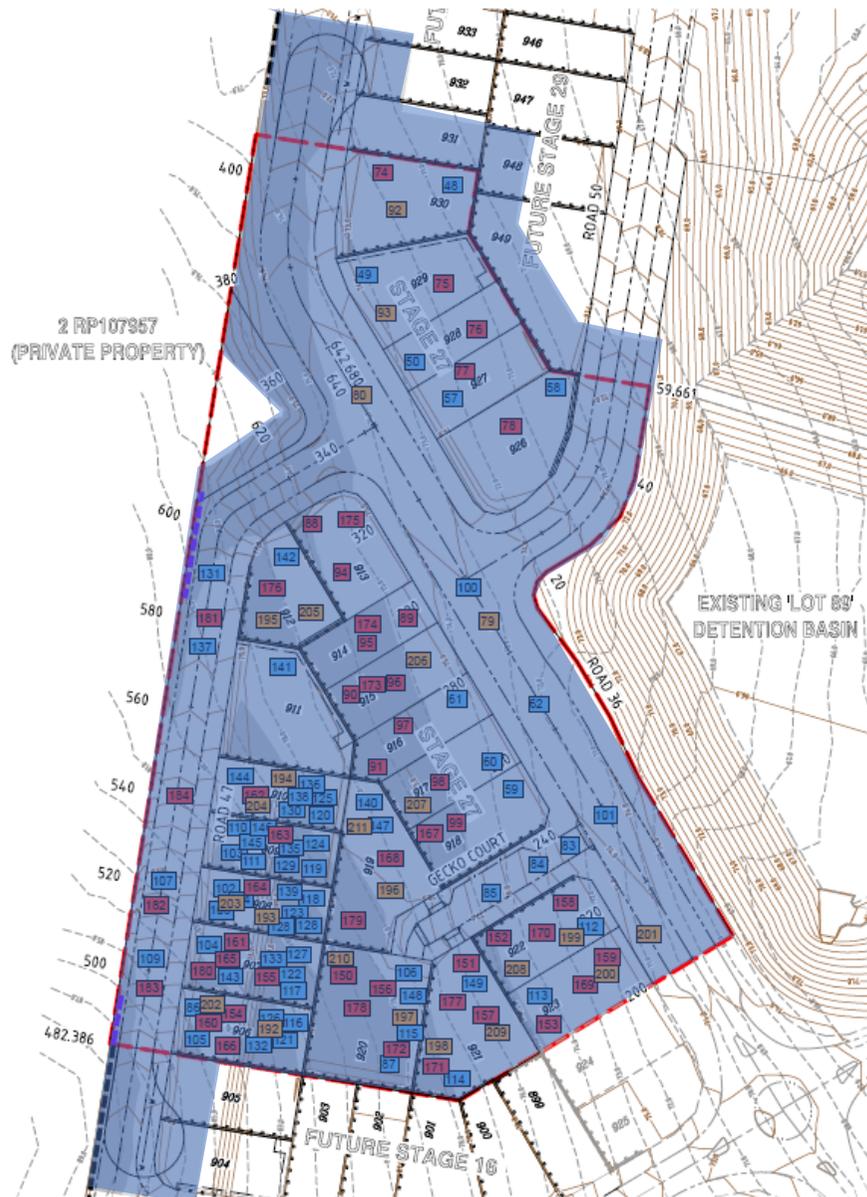
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 28

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3512
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 923 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 923 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 923 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

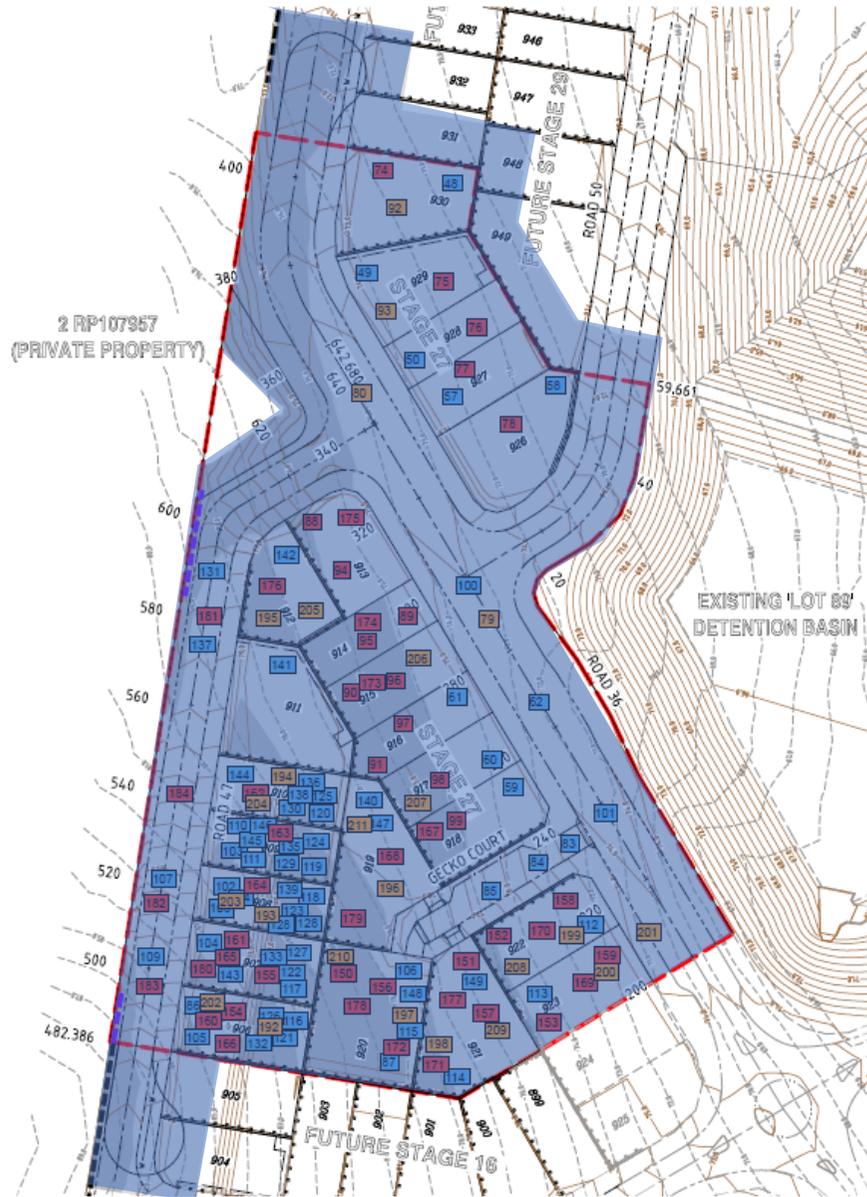
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

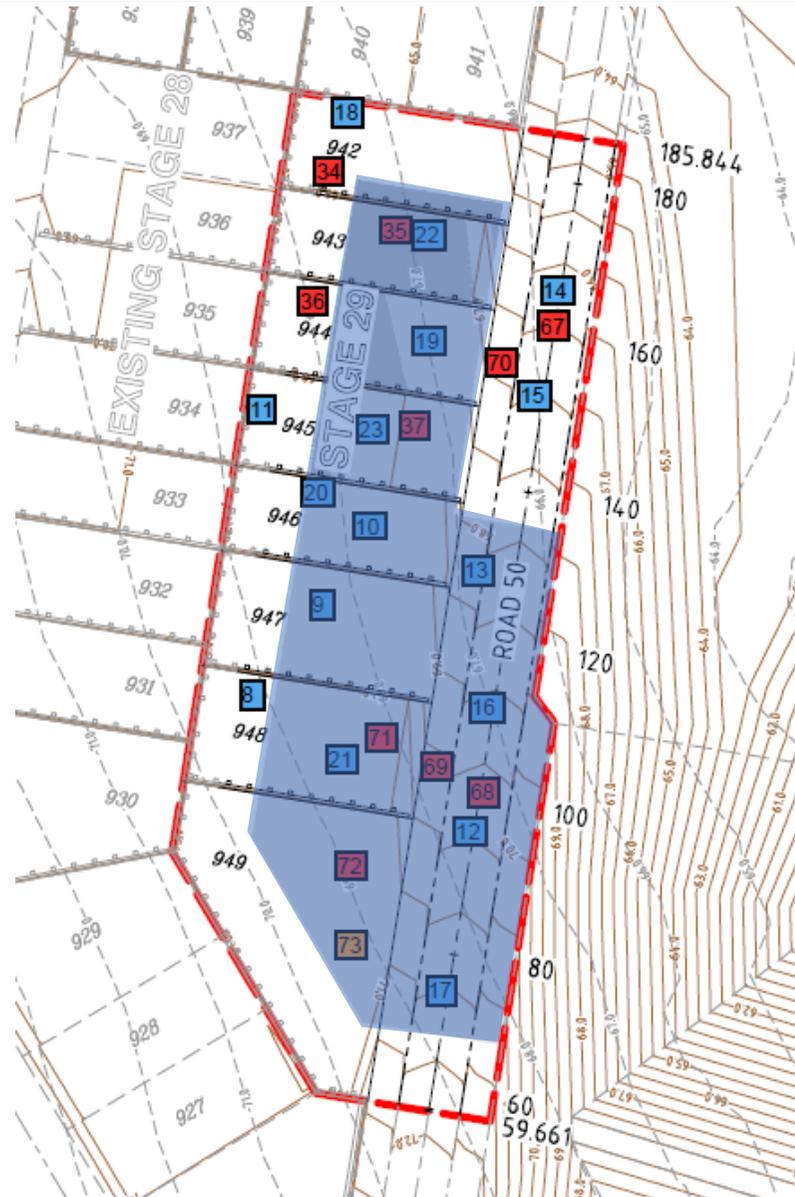
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3513
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
LOT 926 – EDEN'S CROSSING STAGE 27, 28 AND 29
REDBANK PLAINS**

Fill was placed and compacted on Lot 926 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 926 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

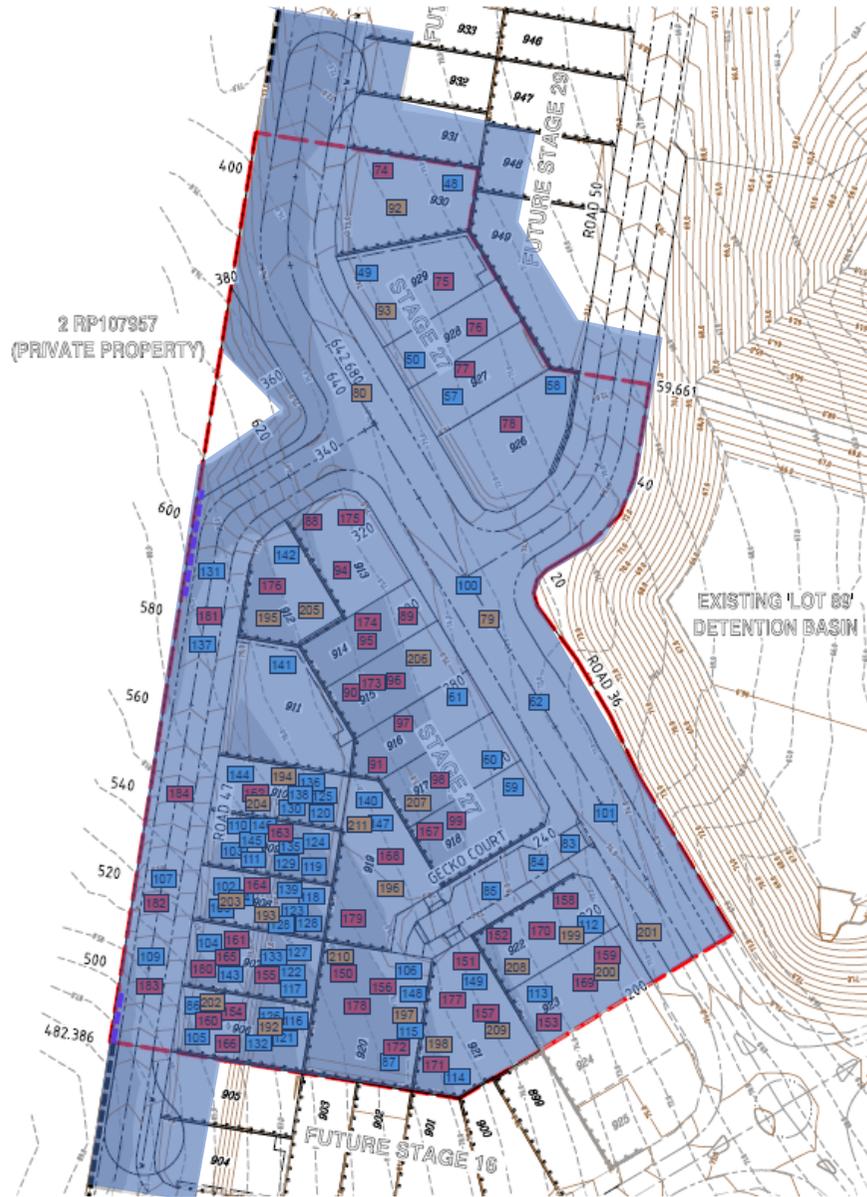
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

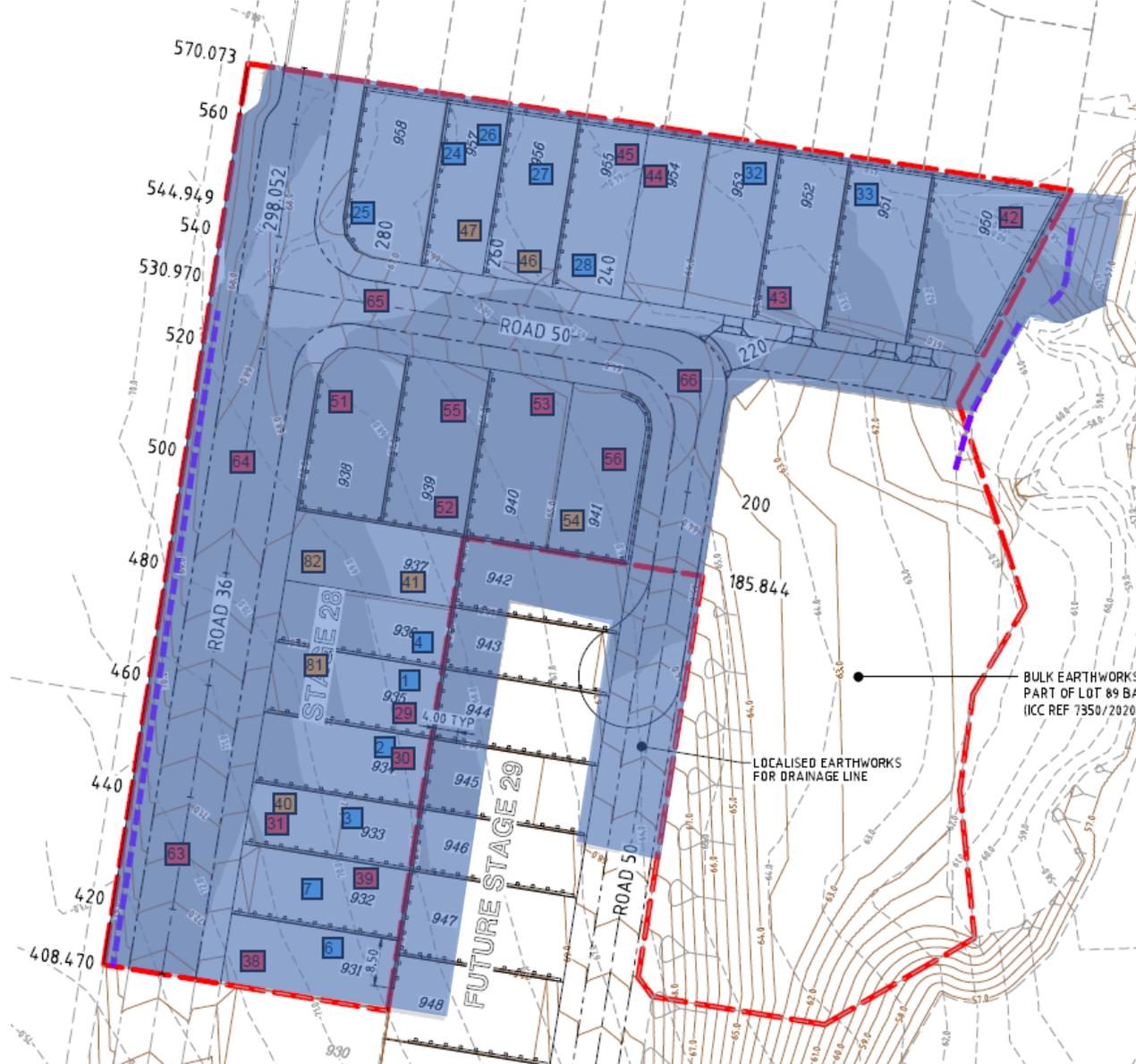
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforth's Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

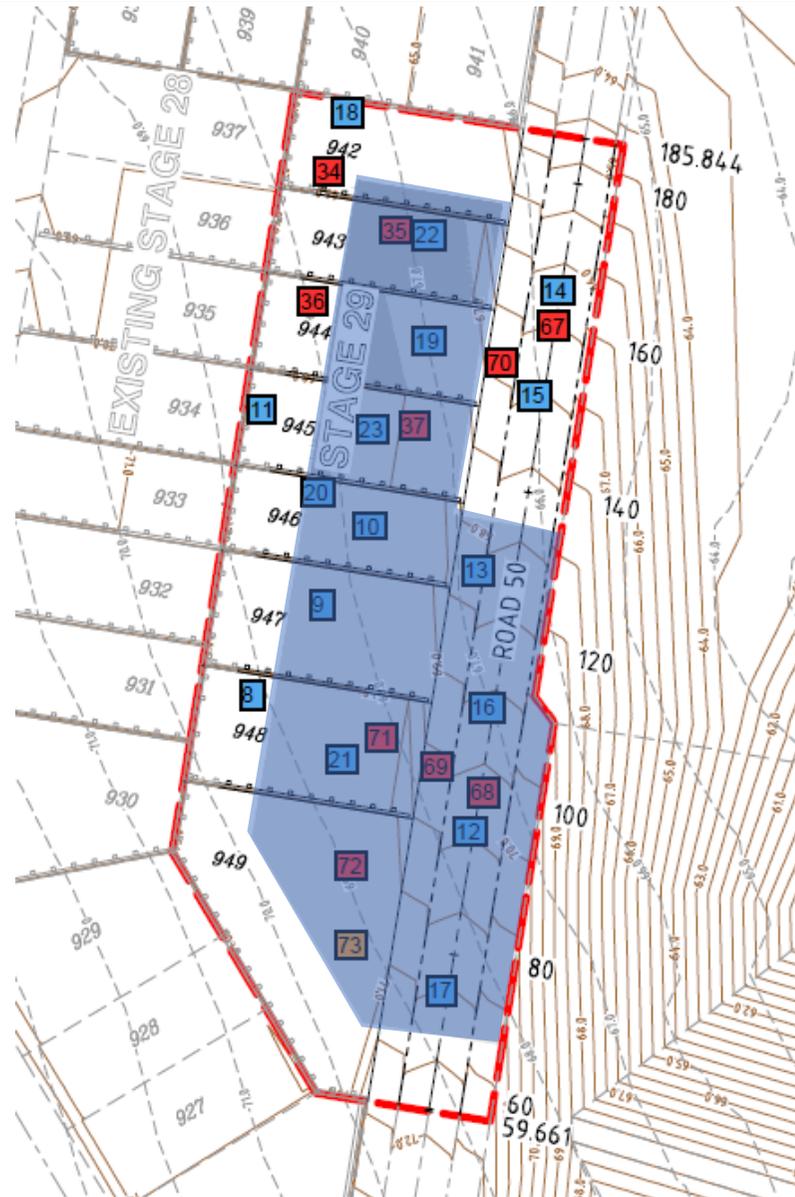
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3514
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 927 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 927 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 927 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

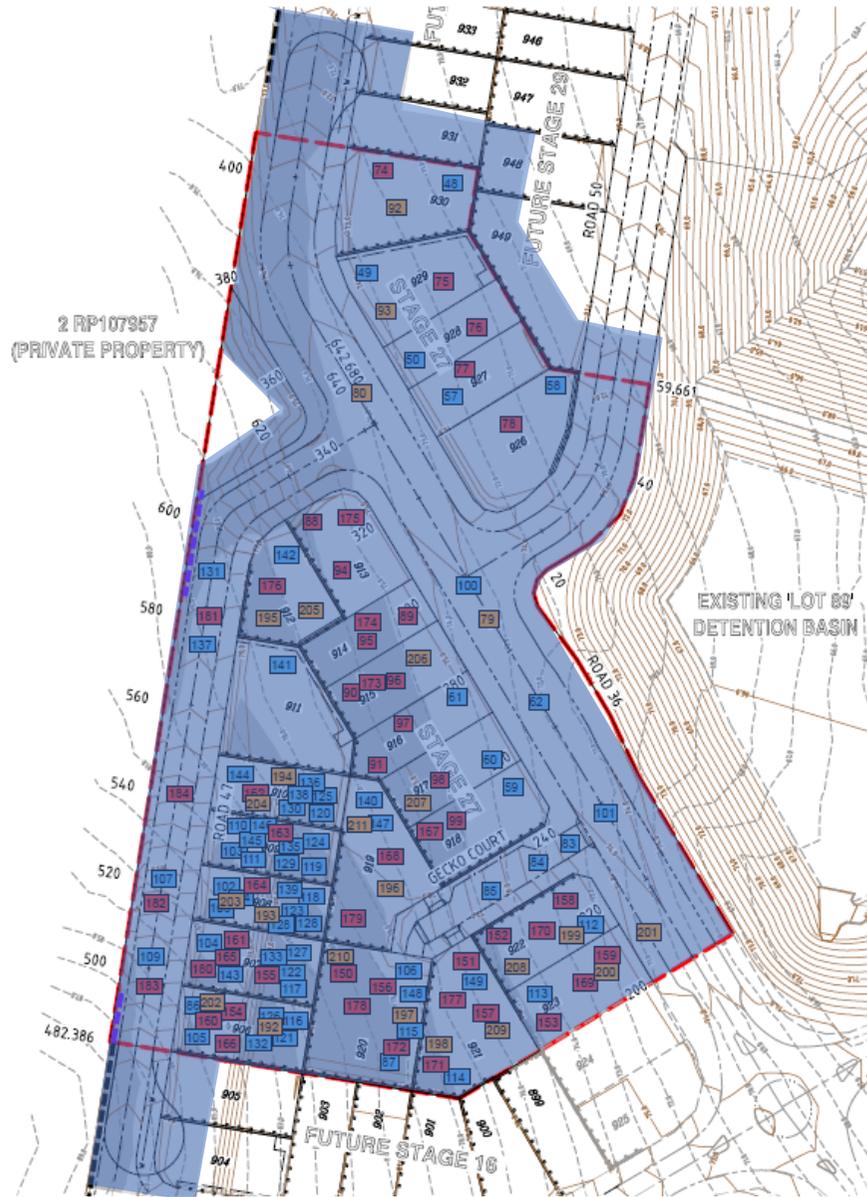
This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

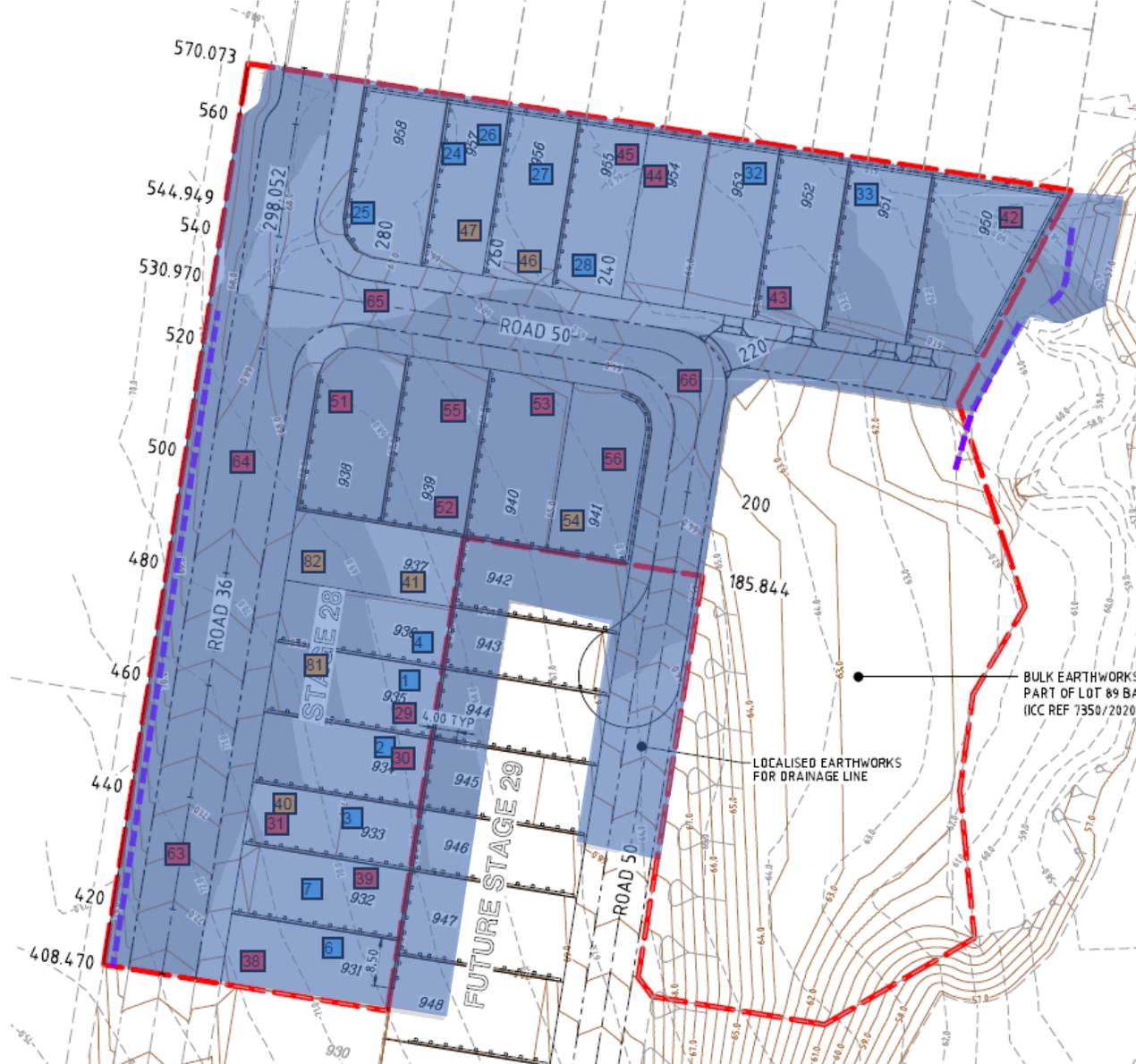
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

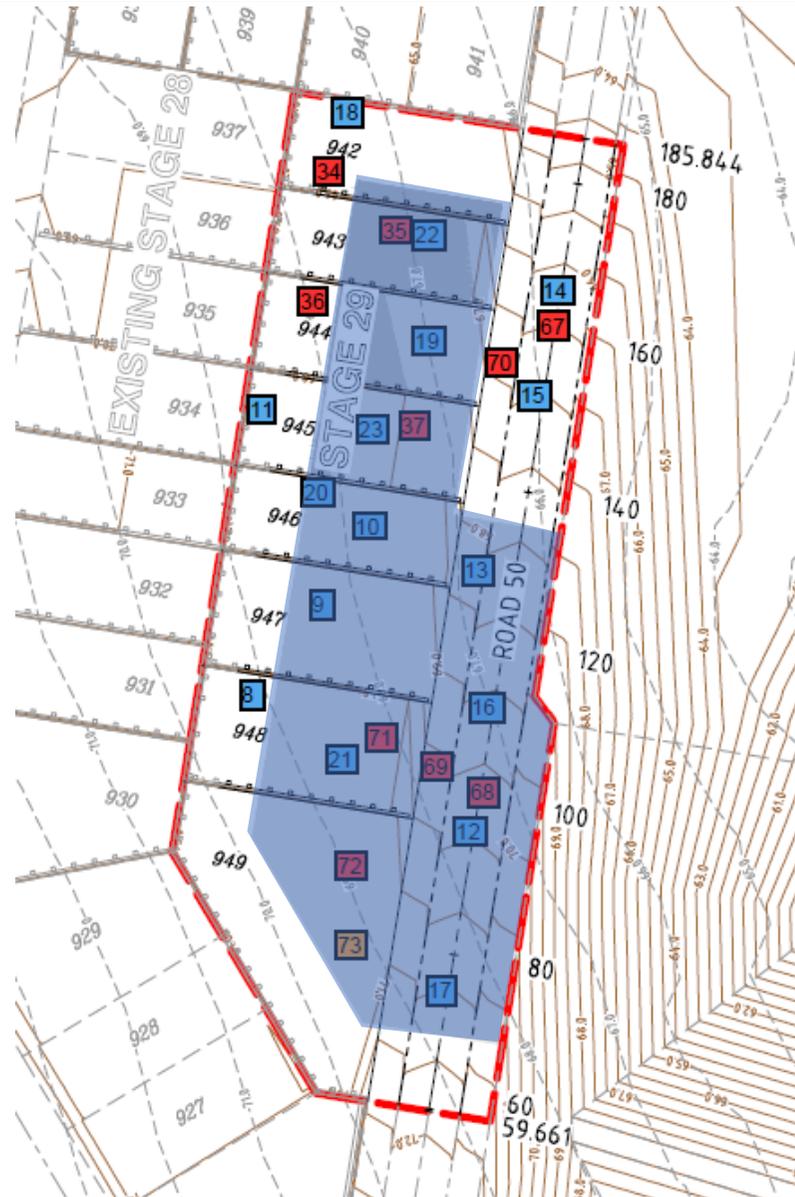
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3515
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 928 – EDEN’S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 928 in the Eden’s Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 “*Guidelines on Earthworks for Commercial and Residential Developments*”. Full details of the Inspection and Testing program contained in the Qualtest Report “Report Ref – 3485, Level One Earthworks Report – Eden’s Crossing Stage 27, 28 and 29” dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 928 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 “*Residential Slabs and Footings*”.

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

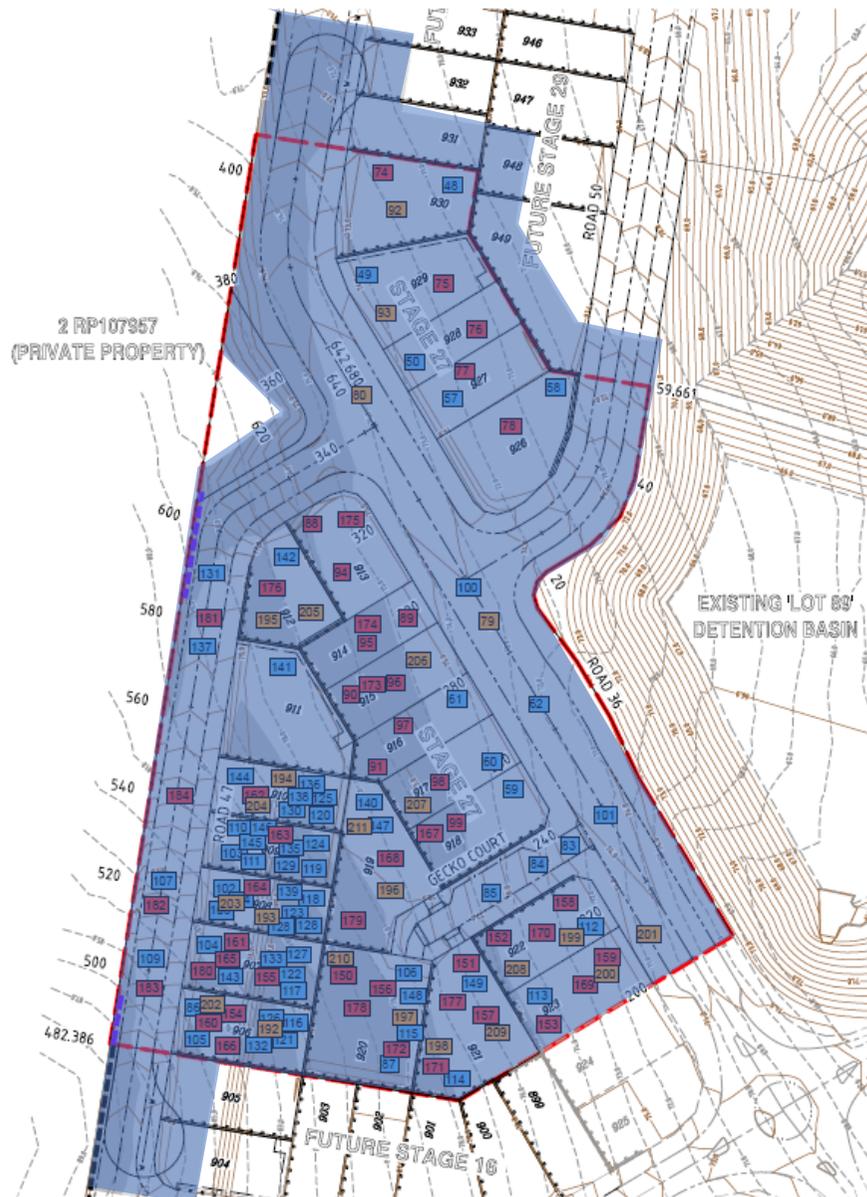
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 27

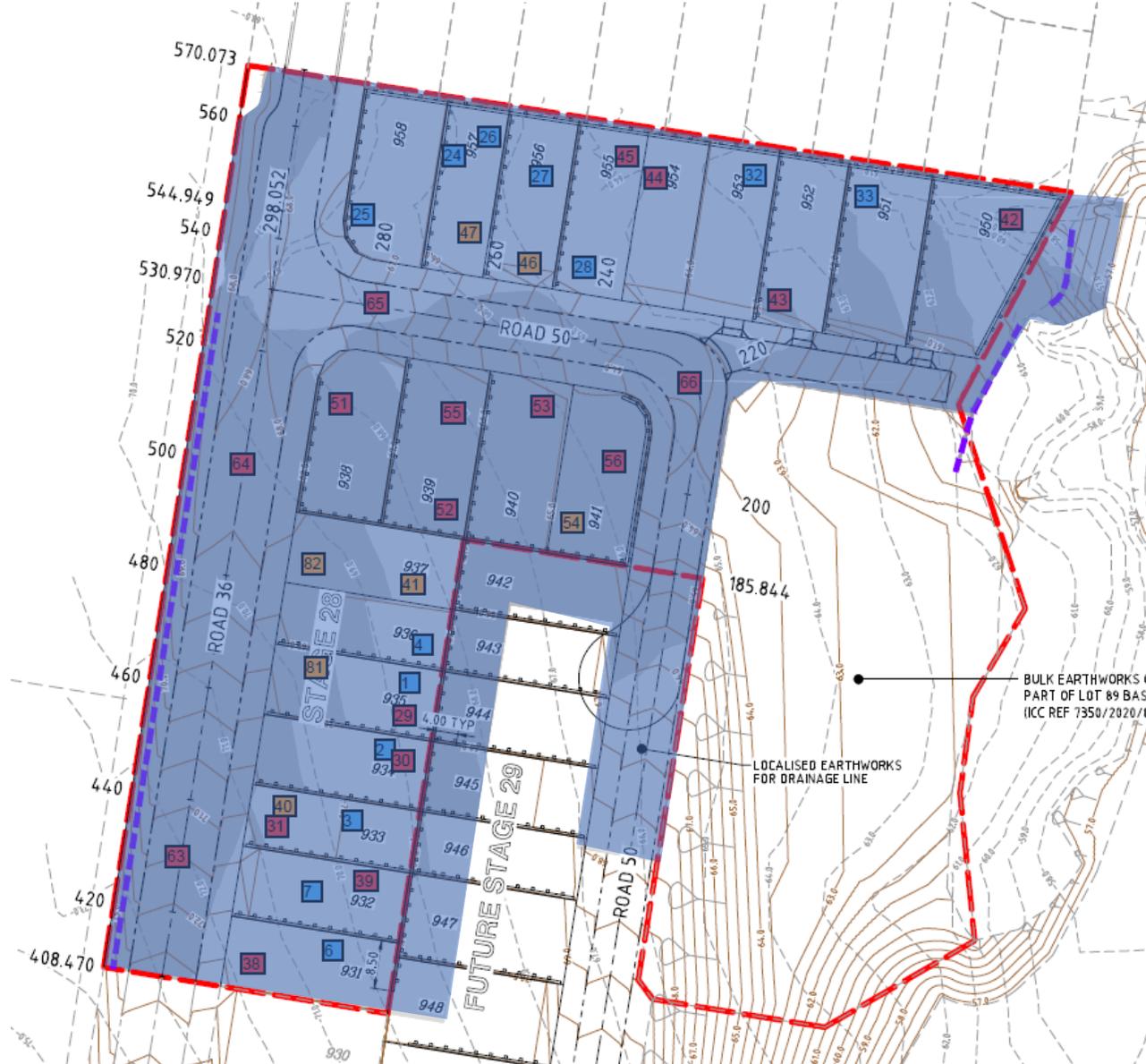
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

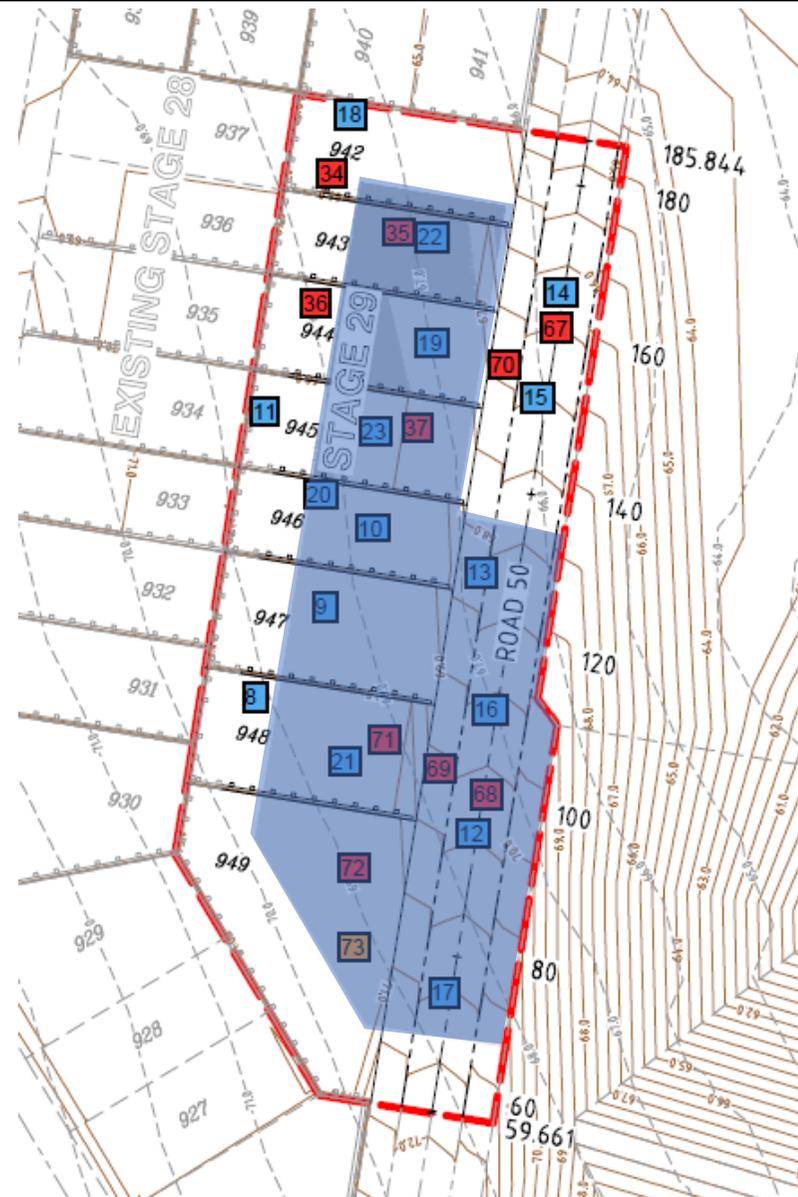
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3516
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 929 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 929 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 929 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

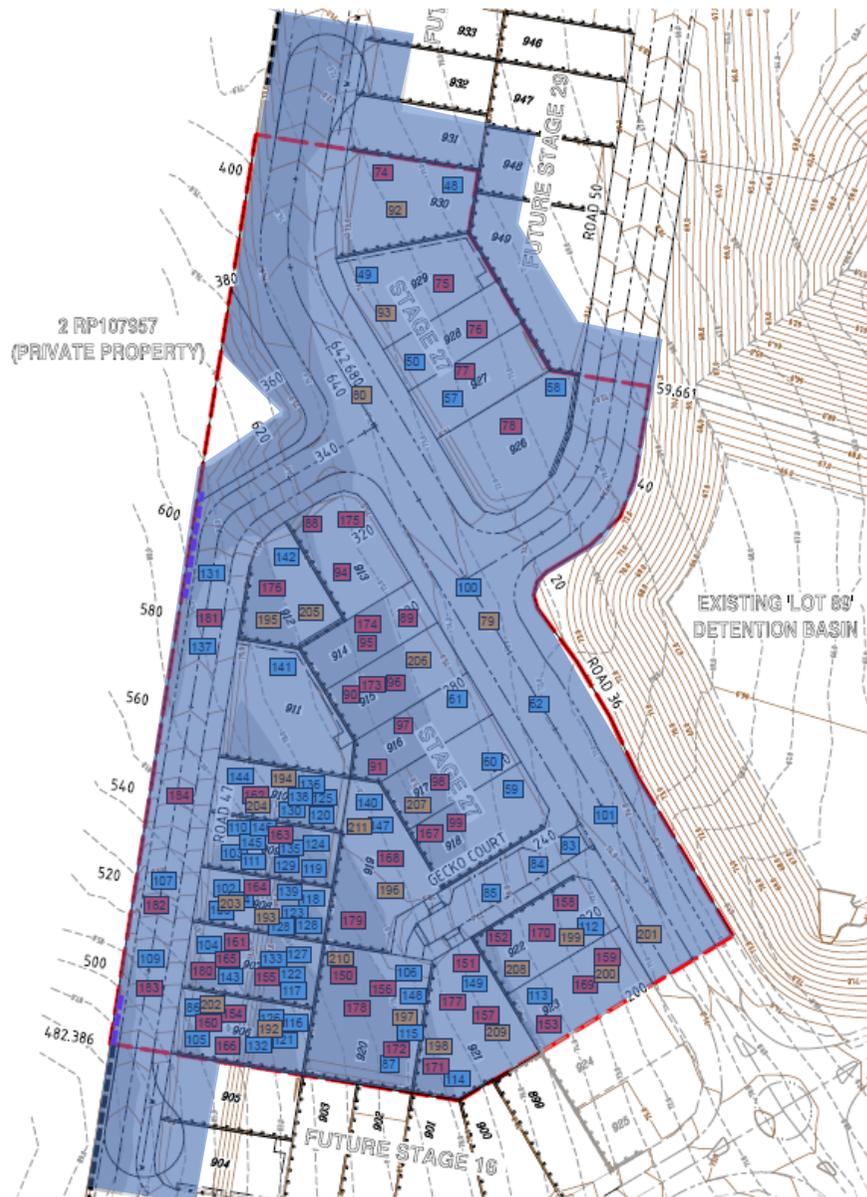
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Sub Capping

Capping

Finish Level



LEGEND:

Test Locations 175

Approximate Extents of Controlled Filling

CLIENT: Shadforths Civil

LOCATION: Edens Crossing Stage 27

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

LOCATION: Edens Crossing Stage 28

DATE: 3rd May 2023

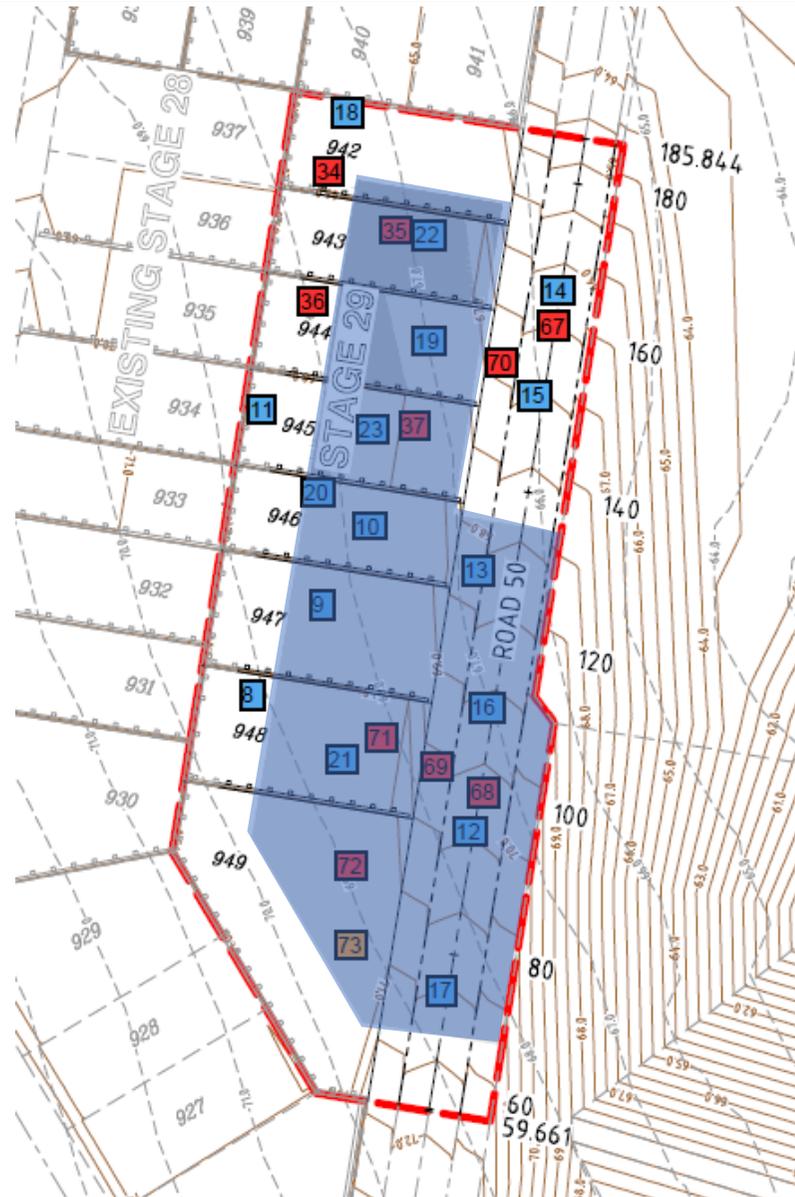
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987

Job: 23-021
Ref: 3517
Author: R. Mitchell

8th May 2023

Shadforths Civil
195 Sandalwood Lane
Forest Glen Qld 4556

**RE: REPORT ON CONTROLLED FILLING
 LOT 930 – EDEN'S CROSSING STAGE 27, 28 AND 29
 REDBANK PLAINS**

Fill was placed and compacted on Lot 930 in the Eden's Crossing Stage 27, 28 and 29 Estate between 24th January 2023 and 31st March 2023 under Level One Inspections and Testing by Qualtest Laboratory.

Qualtest was commissioned on this development to provide earthworks inspection and testing services on a Level One basis as detailed in Clause 8.2 of AS3798 - 2007 "*Guidelines on Earthworks for Commercial and Residential Developments*". Full details of the Inspection and Testing program contained in the Qualtest Report "Report Ref – 3485, Level One Earthworks Report – Eden's Crossing Stage 27, 28 and 29" dated 8th May 2023.

Based on the test results and site inspections, Qualtest concludes that the fill on Lot 930 to the extent shown as Figure 1 below has been constructed in general accordance with the project requirements and AS3798.

The fill in the area defined on Figure 1, within the time frame of our inspection and testing program, is considered to be Controlled Fill as defined in AS2870 "*Residential Slabs and Footings*".

This statement does not cover topsoil which may be used as lot dressing, trench backfill or any earthworks on the Lot after 31st March 2022.

Should you require further information regarding the above, please do not hesitate to contact this office.

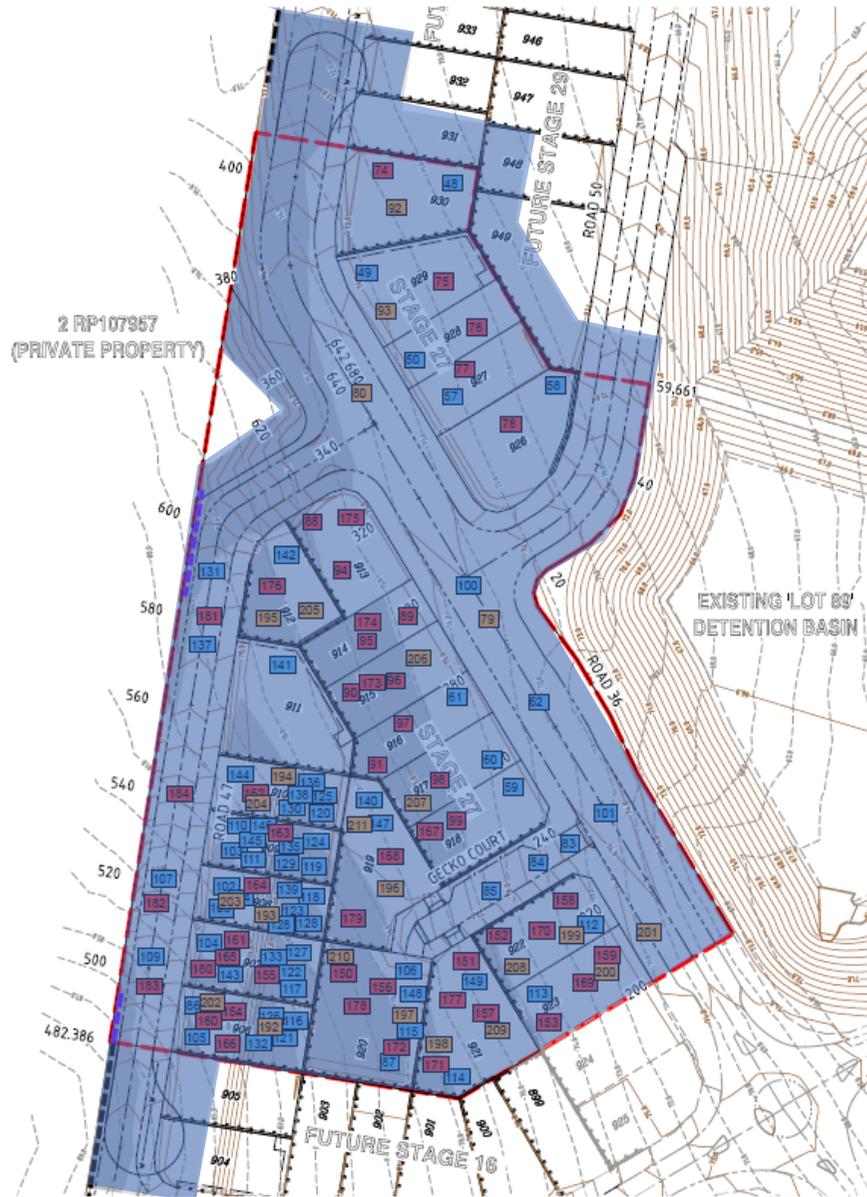
Yours faithfully,

RHYS MITCHELL
For and on Behalf of
QUALTEST LABORATORY PTY LTD.

Attached: Figure 1 – Site Plans showing test locations and approximate extents of Controlled Filling.

GEOTECHNICAL AND LABORATORY SERVICES

Qualtest Laboratory Pty Ltd
2/40 Boyland Avenue
Coopers Plains QLD 4108
PO Box 733 Archerfield QLD 4108
(07) 3875 1898
qualtest@qualtestgeo.com
www.qualtestgeo.com
ABN 74 010 752 815



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

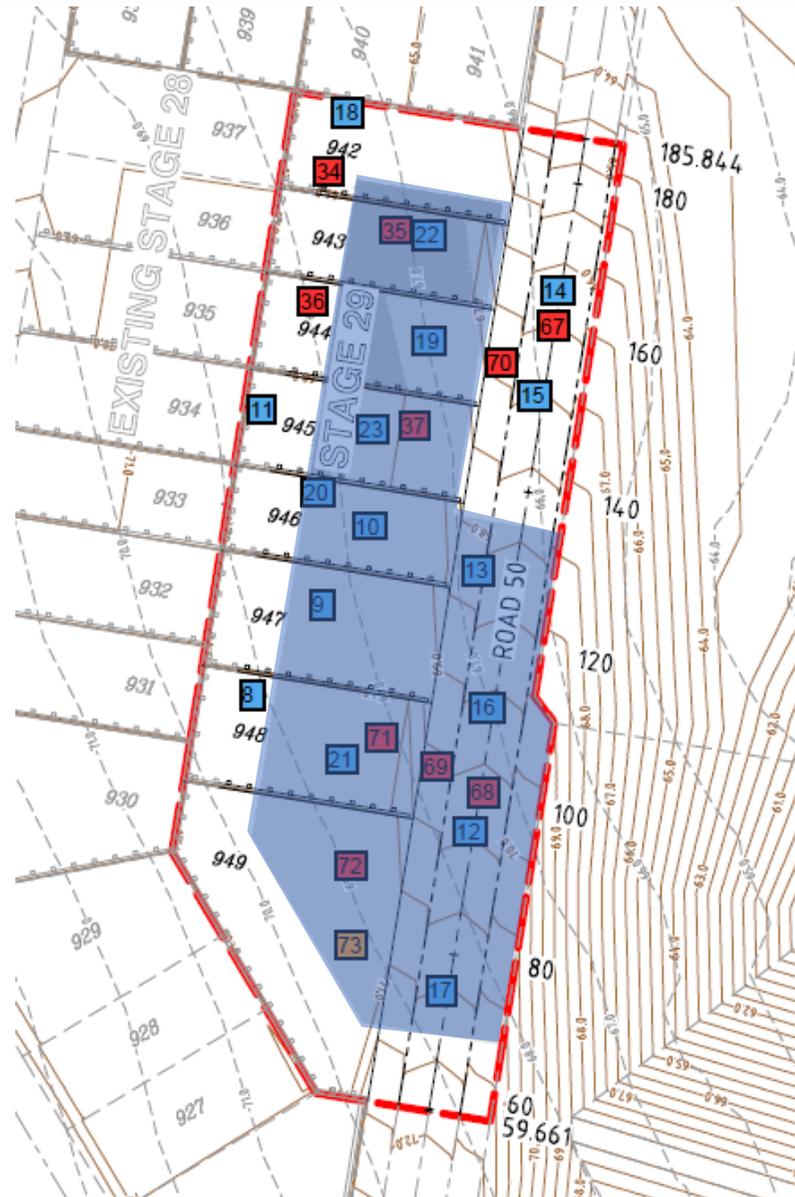
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

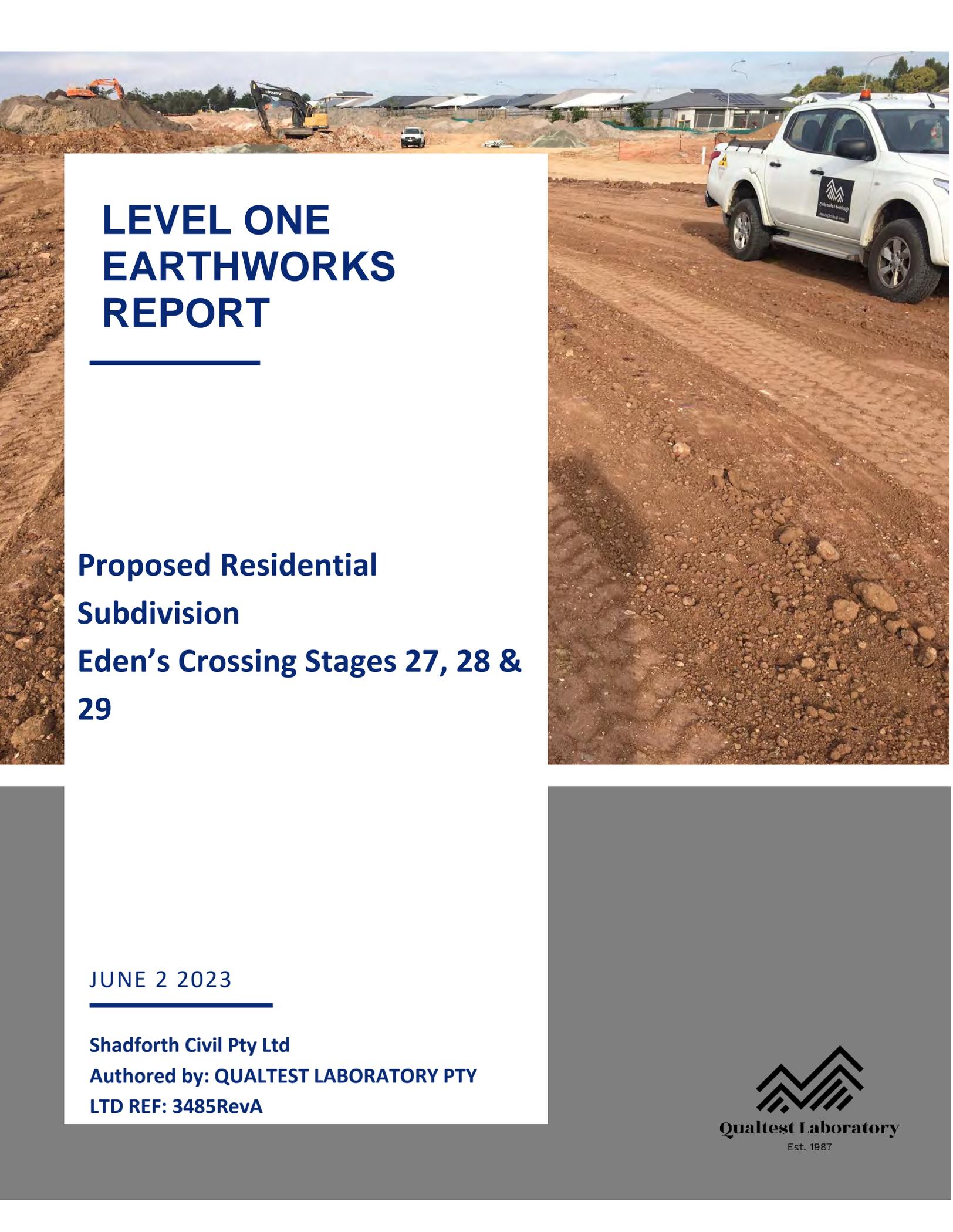
DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG



LEVEL ONE EARTHWORKS REPORT

**Proposed Residential
Subdivision
Eden's Crossing Stages 27, 28 &
29**

JUNE 2 2023

**Shadforth Civil Pty Ltd
Authored by: QUALTEST LABORATORY PTY
LTD REF: 3485RevA**

Ref: 3485RevA
Job: 23-021
Author: R. Mitchell

2nd June 2023

Shadforth Civil
99 Sandalwood Lane
Forest Glen Qld 4556

ATTENTION: MR RILEY BROOKS
Email: Riley.Brooks@shadcivil.com.au

Dear Sir,

RE: LEVEL ONE EARTHWORKS REPORT

**PROJECT: PROPOSED RESIDENTIAL SUBDIVISION
EDEN'S CROSSING STAGE 27, 28 AND 29**

CLIENT: SHADFORTHS

CONSULTANT: KN GROUP

CONTRACTOR: SHADFORTHS

1.0 INTRODUCTION

1.1 General

This report presents results and documentation for the Level One Inspection and Testing of earthworks filling operations for the proposed Residential Subdivision the Eden's Crossing Stage 27, 28 and 29 developments at Redbank Plains (The Site).

Qualtest Laboratory Pty Ltd was commissioned by Shadforth Civil (The Client) to provide Level 1 Earthworks Inspection and Testing services as defined in Section 8 of AS3798.

Filling operations covered by this report were constructed between 24th January and 31st March 2023.

The purpose of Level 1 commission and this report is to provide an opinion that the earthworks operations carried out by the Client have been carried out in accordance with AS3798, relevant project specifications and Local Authority requirements as appropriate.

This report has been carried out in general accordance with the following: -

- AS3798-2007 - Guidelines on Earthwork for Commercial and Residential Development
- KN Group Consulting Engineers Notes and Drawings
- Ipswich City Council Requirements.

This report does not cover underground services, trench backfill, pavements, retaining walls, filling outside areas shown on Figure 2 or any other works after 31st March 2023.

1.2 The Development

The development comprises of the following: -

- Stage 27 - 23 residential lots,
- Stage 28 - 20 residential lots,
- Stage 29 - 8 residential lots and
- Associated infrastructure including roads and underground services.

Earthworks to be constructed at the site are presented on KN Group Consulting Engineers Drawings. A marked-up plan showing the extent of fill covered by this report is presented as Figures 1, 2 and 3 below.

Figure 1: Bulk Earthworks Plan – Eden’s Crossing Stage 27– Extent of Fill – Blue Shade

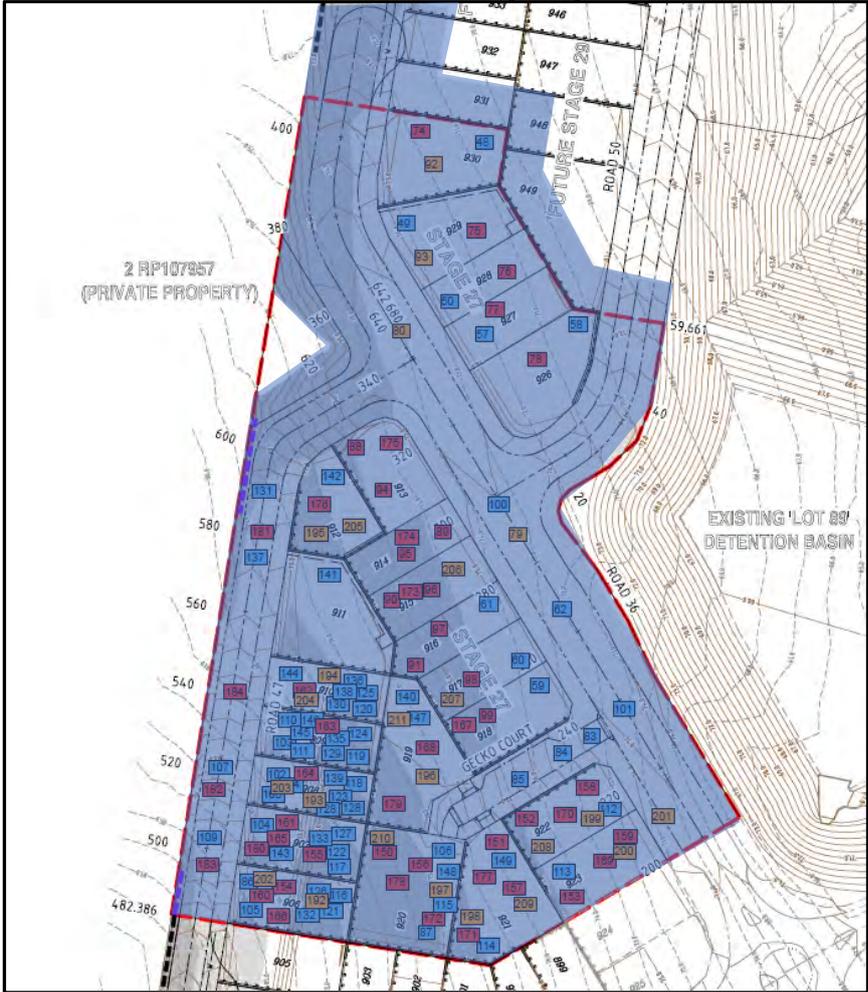


Figure 2: Bulk Earthworks Plan – Edens Crossing Stage 28 – Extent of Fill – Blue Shade

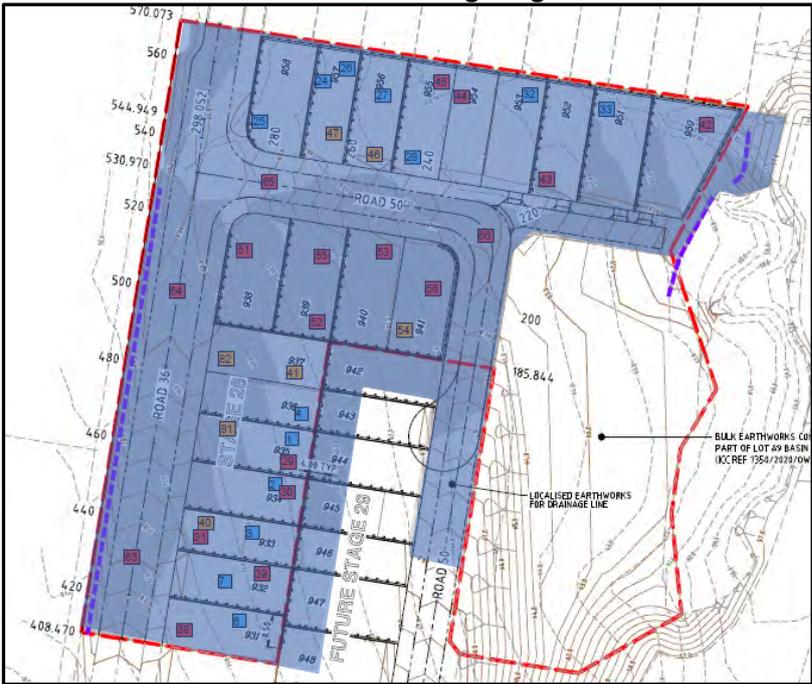
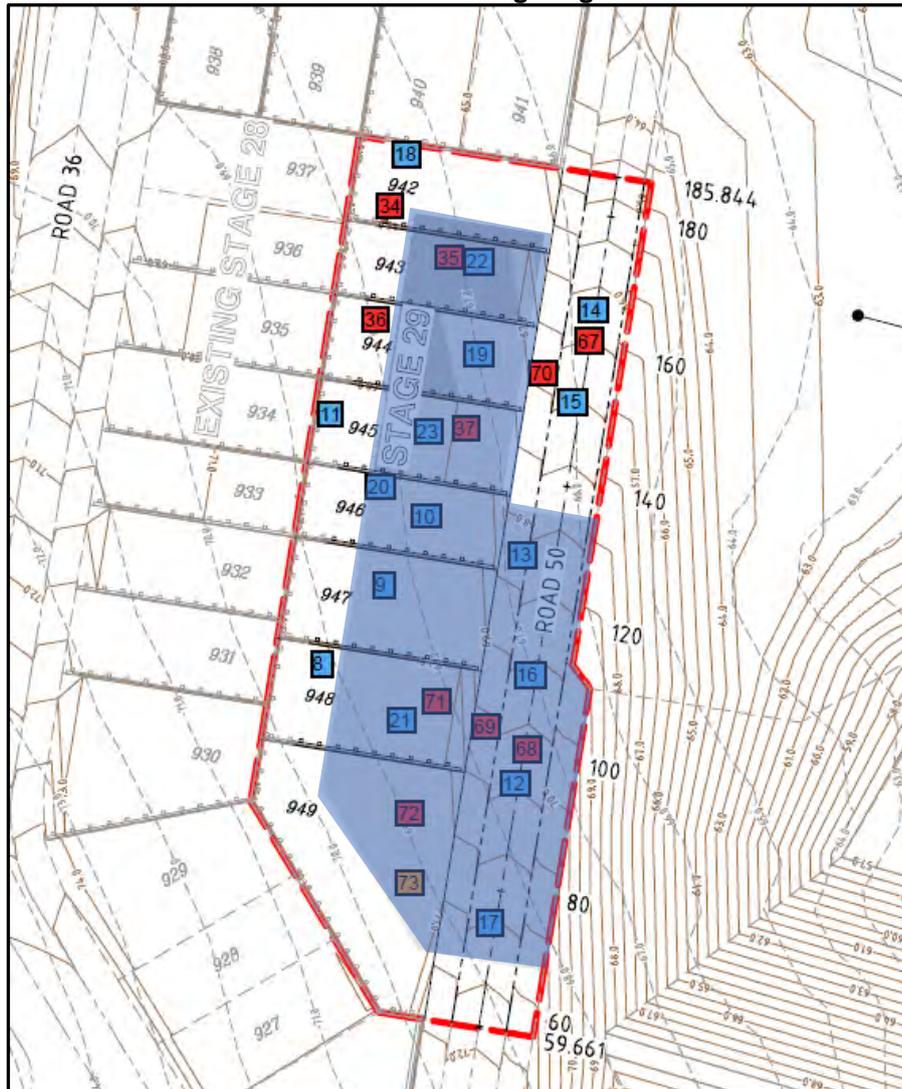


Figure 3: Bulk Earthworks Plan – Eden’s Crossing Stage 29 – Extent of Fill – Shaded Blue



2.0 WORKS AND SPECIFICATIONS

All filling operations at the Site are to be placed and compacted in accordance with the following: -

- Level One Inspection and Testing of the placement and compaction of fill materials in accordance with AS 3798 2007 – “Guidelines on Earthworks for Commercial and Residential Developments”.
- Relative Density Control Testing in accordance with AS 1289 – Testing of Soils for Engineering Purposes and at frequencies required in AS 3798 Table 8.1.
- Ipswich City Council Specifications.
- KN Group Consulting Engineers Drawings and Notes on Drawings.
- Density Ratio – 95% Standard

Low reactive fill materials has been used as capping over potentially reactive soils was to generally conform to the following criteria: -

- Shrink Swell Index (Iss) – 1.5% Max.
- Particle Size Distribution:
 - Max Particle Size – 75mm
 - % passing 19mm – 80% Min.
 - % passing 0.075mm – 10% Min.
- Plasticity:
 - Liquid Limit – 45% Max.
 - Plasticity Index - >7% <20%
- Permeability – 5×10^{-7} m/s Max.

3.0 FILL FOUNDATION

Areas to be filled at the site were observed to be stripped of vegetation, grass, redundant services, existing uncontrolled fill, water affected ground and topsoil to depths exposing competent natural ground.

Compliance of the fill foundation and approval to commence filling was on the basis of: -

- Adequate removal of topsoil, organics and existing fill to expose natural soils consisting of: -
 - Sandy Clay (SC), at least stiff, medium plastic fines, orange brown and moist.
 - Sandstone (XW), typically low strength, fine to coarse sands, grey brown.
- Compliant proof roll testing of the stripped surface using onsite earthworks plant.

A picture of the stripped natural surface observed prior to filling are presented below.

Picture 1: Stripped Natural Surface



4.0 FILLING OPERATIONS

Fill at the site was sourced from the following locations: -

- General Fill below 1.2m from Final Earthworks Levels
 - Onsite cuts, trench and road box spoil.
- Low Reactive Capping Fill between the final earthworks level and 1.2m below.
 - Onsite Borrow sources consisting ripped sandstone

All fill materials were appropriately blended and moisture conditions prior to and during placement and compaction.

Materials used as fill can be broadly summarised as: -

- Lower Fill Materials – Below 1.2m from the finished earthworks levels
 - Sandy Clay (CI) medium plasticity, fine to medium sands, orange brown and moist.
 - Silty Sand (SM) fine to medium sands, low elastic fines, grey brown and moist.
- Capping Materials – Upper 1.2m of the fill profile and borrowed from local borrow pit.
 - Clayey Sand (SC), fine to coarse sand, low plasticity fines, traces of fine to medium gravel and moist.
 - Sandy Clay (CL), low to medium plasticity fines, fine to coarse sand and moist.

Fill was constructed using the following plant: -

- | | |
|---------------|------------------|
| • Excavators | • Padfoot Roller |
| • Water Truck | • Compactor |
| • Dozer | • Grader |
| • Scrapers | |

Fill was observed to be placed in layers within the capacity of the above plant, appropriately moisture conditioned and compacted using several passes.

To the extent that was reasonably practicable, fill materials visibly containing excessive amounts of silts or deleterious materials such as sticks, oversize particles were sorted to remove the contaminants prior to placement or rejected for use. Some cobble sized particles may remain in the body of the fill, however, are unlikely to be in sufficient quantities to adversely affect the performance of the new fill. Sloping areas requiring filling were benched and continually keyed into the slope prior to and during fill placement.

Pictures of the filling operations are presented below.

Picture 2: Filling Operations



Picture 3: Filling Operations



Samples of the capping materials used between the final earthworks level and 1.2m below were collected after compaction and testing generally conformed with the criteria presented in Section 2 and are summarised below in Table 1. Test reports are attached.

Table 1 – Summary of Capping Materials Test Results.

Test Number	Particle Size % Passing			Plasticity Index %		Shrink Swell (%)
	75mm	19mm	0.075mm	LL	PI	
S4275A	100	81	15	23	9	0.0
S4275B	100	82	14	26	8	0.0
S4275C	100	100	21	23	7	0.0
S4275D	100	100	24	27	11	0.3
S4437A	100	100	31	32	19	0.6
S4560A	100	100	26	29	13	0.4
S4599A	100	97	27	27	13	0.4
S4628A	100	96	23	24	7	0.4
S4719A	100	100	19	25	7	0.5
S4903A	100	100	28	32	16	0.8
S4915A	100	100	22	30	12	1.1
S5029A	100	100	22	25	7	0.1
S5192A	100	98	21	25	7	0.1
S5192B	100	100	26	25	9	0.3
S5192C	100	100	33	32	18	0.8

Notes.
LL – Liquid Limit
PI – Plasticity Index
LS – Linear Shrinkage
Green – Meets Specification

The tested materials generally conform to the specification. Based on the above test results, it is considered likely that the specification for permeability will be met based on the achieved test results.

5.0 COMPACTION TESTING

Compaction testing was carried out on the compacted fill materials in accordance with Table 5.1 and 8.1 of AS3798 2007 and tested to AS1289 test methods. All test locations were selected by Qualtest at random and staggered over the fill area and depth. Test locations were not obtained by survey and on this basis, the locations should be considered as approximate only.

Compaction testing achieved the minimum required compaction specification of 95% Standard at the test locations. Areas where the compaction specification was not achieved were reworked and re-tested using random stratified location processes.

The location of the compaction tests and area of fill covered under this report are shown on the Site Plan contained in Appendix A.

Compaction Test Reports and Capping Compliance Testing are contained in Appendix B.

6.0 STATEMENT OF COMPLIANCE

Our representatives observed the relevant earthworks operations during our engagement including the stripped surface, new fill placement and compaction operations, and compaction testing.

As far as Qualtest could assess, the fill at The Site has been observed to be placed and compacted in accordance with the requirements outlined in Section 2.0.

The fill at The Site can be considered to be “Controlled” as defined in AS2870.

7.0 EXCLUSIONS

The compliance statement specifically excludes any topsoil, which may be placed for use as Lot dressing or any other subsequent earthworks after 31st March 2023. All trench backfill, underground services, landscaping fill, fill outside the area shown as Figure 1 and other fill placed without our knowledge is also excluded.

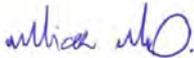
Assessments of batter stability, global stability, and material quality such as soaked CBR and site classifications are excluded from this commission. The stability of any fill batters in the long term must take account of the variable materials used for the construction of the fill platforms and all surface loads including traffic loads near the crest of all batters.

Our on-site attendance specifically excludes assessments of fill material quality and engineering properties that are outside the requirements of AS.3798 - 2007, including soil or fill reactivity and soaked CBR values. We note that the fill materials comprise clay soils, which may result in unfavourable site classifications for individual lots and low subgrade design strengths for pavements.

Controlled fill (Level 1 Fill) provides an overview that the Earthwork Specification has been met. There are instances where significant long-term settlements of controlled fill can occur. Large total and differential settlements can be expected where fill has been placed over soft and compressible soils and where the thickness of controlled fill varies significantly across a lot.

Should you require further information regarding the above please do not hesitate to contact this office.

Yours faithfully,



MICHAEL MORRISON

For and on behalf of

QUALTEST LABORATORY PTY LTD.

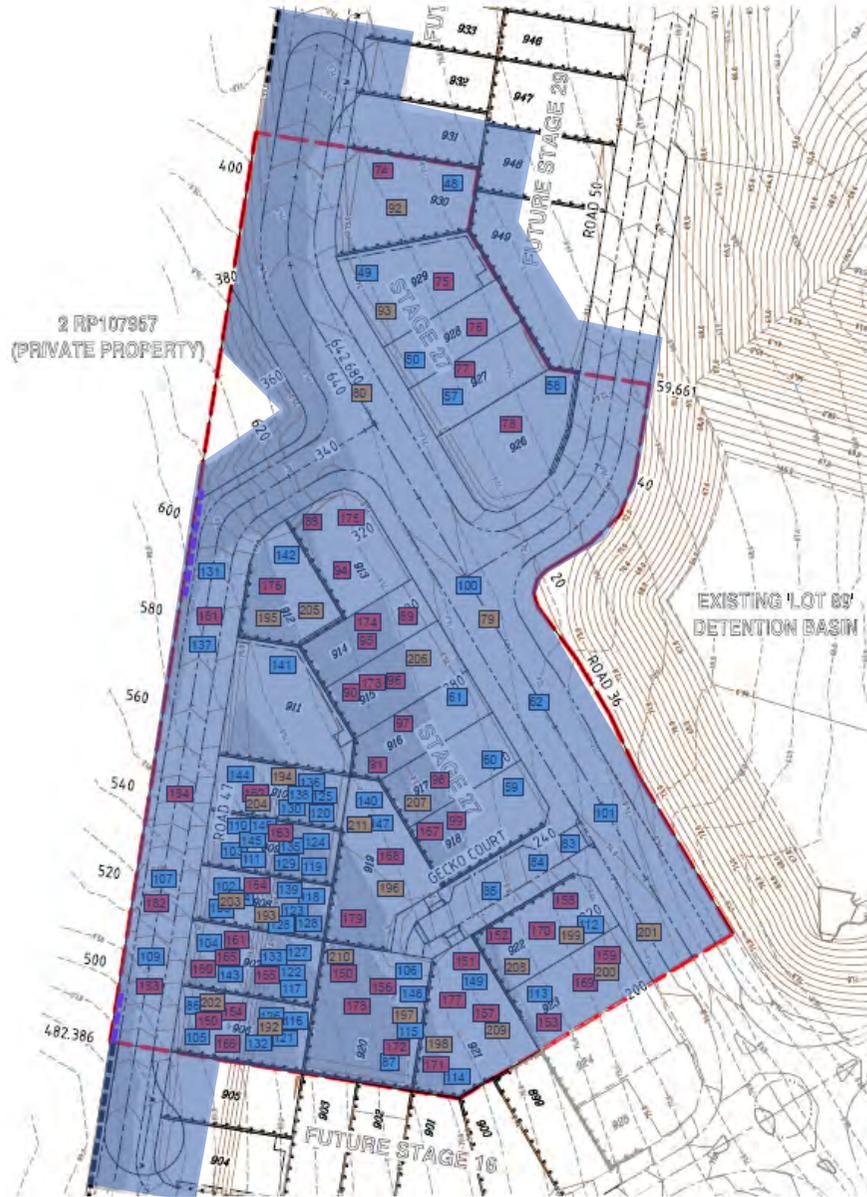
Appendix A – Site Plan and Compaction Test Locations

Appendix B - Compaction Test Reports



APPENDIX A

Site Plan and Compaction Test Locations



Qualtest Laboratory

Est. 1987

LEGEND:

Test Locations



Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-01

LOCATION: Edens Crossing Stage 27

DATE: 3rd May 2023

PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations



Approximate Extents of
Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-02

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 28

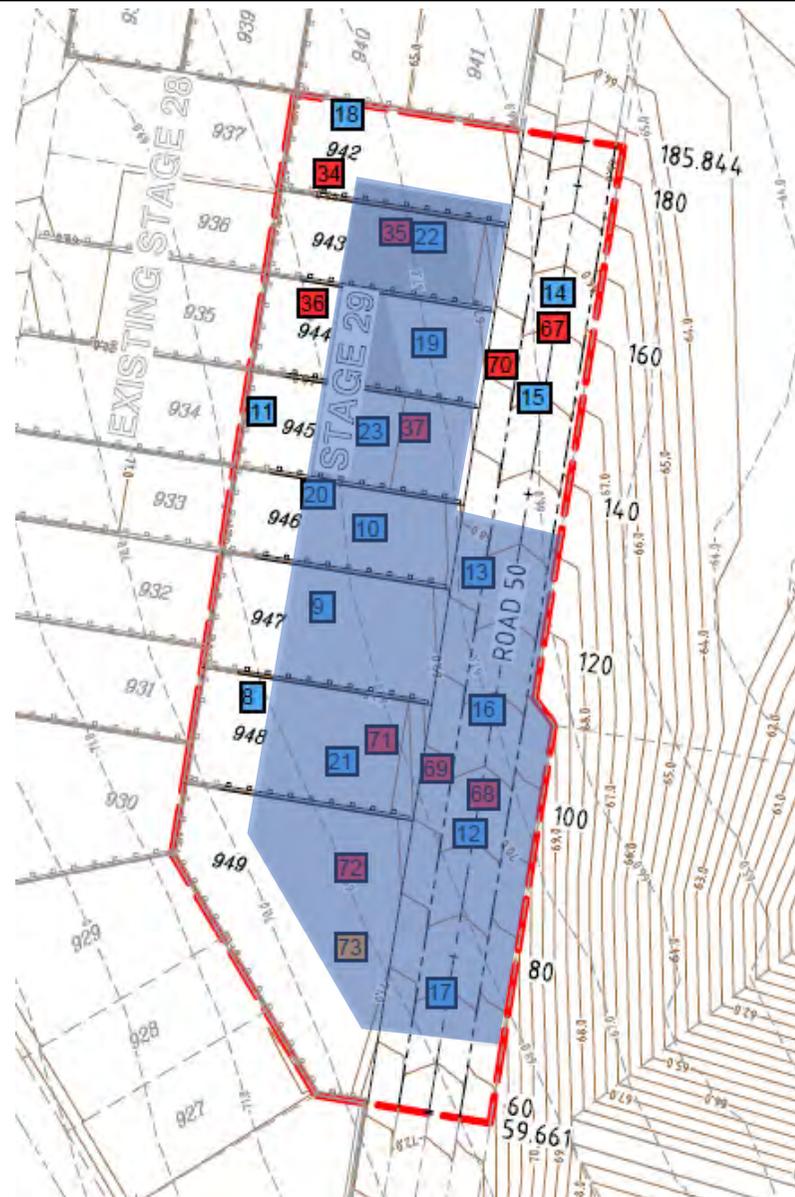
PROJECT NO: 23-021

CHECKED BY: GG



Qualtest Laboratory

Est. 1987



LEGEND:

Test Locations 

Approximate Extents of Controlled Filling



CLIENT: Shadforths Civil

TITLE: Compaction Test Location

DRAWING NO: 23-021-03

DATE: 3rd May 2023

LOCATION: Edens Crossing Stage 29

PROJECT NO: 23-021

CHECKED BY: GG