



4 December 2020

Our Ref: 20224/td – searsrev1

ETHOS URBAN
173 Sussex Street
Sydney NSW 2000

Attention: Chris Forrester

Re: CIVIL AND STORMWATER STATEMENT TO SUPPORT SEARS SUBMISSION, PART 14

SUBJECT PREMISES: EASTERN CREEK RETAIL CENTRE, LOT 3. ROOTY HILL ROAD SOUTH, EASTERN CREEK

This stormwater statement has been prepared to support the application to the Department of Planning, Industry and Environment (DPIE) for the Lot 3 site. Specifically, part 14 of the Secretary's Environmental Assessment Requirements (SEARS) relates to stormwater requirements as described below. The Civil and Stormwater concept drawings prepared by Henry and Hymas should be read in conjunction with this statement letter. It should be noted that these plans are only conceptual in nature and that full detailed design of the stormwater measures required to address the items described below will be provided as part of the subsequent State Significant Development application for the detailed design.

Changes from previous approval plans

The previously submitted and approved plans for the overall lot 3 site consisted of graded earthworks pads. The lot 3 site was previously shown as being divided into two separate pad sites. The earthworks levels directed runoff from the west at RL44.30 (approx.) to the east to RL43.00 where a temporary sedimentation basin was located. Because the Lot 3 site was originally divided into 2 pads, a separate sedimentation basin was detailed for the eastern section of what is now the overall Lot 3 site. On this section of the lot (previously known as Pad 4), the earthworks levels graded from RL42.70 (approx.) in the north to RL41.30 (approx.) in the southern corner of the pad to a sediment basin. The intention of the earthworks pad design was to show how the site could be graded to levels that would allow it to remain in a benched state until such time that development for the lot was confirmed. The proposed earthworks levels were also used to ensure that the site would facilitate an eventual flat BEW pad level of RL43.00. The proposed earthworks levels for the approved submission are shown on our plans 17D83_S96_BE01, C101, C104 and C104. These plans are provided as an attachment to this statement letter.

The concept plans detail how the site stormwater system will convey flows through the site and to the previously approved and constructed communal water quality and quantity subdivision basins. Our drawing list for our concept plans is provided below.





SEARS PART 14 RESPONSES

14.1

The existing site falls in an easterly direction and eventually discharges under the M7 through the northern outlet culvert. Once developed, the site will lie between the existing Beggs Road Cul-De-Sac and Church Street to the south and north respectively. The discharge point for the developed site will be into the previously designed, approved and built overland flow channel that runs towards the communal northern water quality and detention basin. The location of the site's discharge point is shown on the drawing 20224_DA_C105. In addition to the site generated stormwater, there is runoff from the upstream catchment of Beggs Road and a portion of Rooty Hill Road South. The previously approved subdivision catchment plan drawing 17771_CC_C250 details that there is 1.307ha of catchment that would flow down Beggs Road and then to the communal northern water quality and detention basin. Because the proposed Lot 3 development will block a substantial amount of area of the current overland flow path, we have designed a proposed 1.7m wide and 0.7m (min) deep concrete channel to convey the 1.307ha upstream catchment and also up to 2.244ha of the Lot 3 catchment. The flows that were previously calculated as part of the subdivision design are in the order of 1.79m³/s. The concrete channel has a minimum base slope of 1.5% and will have the capacity to convey these flows. Downstream of this proposed concrete channel, a 1500 wide and 600 deep box culvert is proposed to convey the flows under the extension of the subdivision internal access road. This culvert has been previously designed and approved under the subdivision stormwater design. Once the flows discharge from the culvert, they are directed to the existing northern Water Quality and Detention Basin. Both the culvert and channel are shown on drawings 20224_DA_C104 and C105. It should be noted that the sizing of the channel between Lot 2 & 3 and the 1500x600 culvert has been sized based on 3.555ha of catchment. Because the Lot 3 internal drainage will now discharge at a location further downstream, the flow of 1.79m³/s is conservative. The final catchment that is being directed to the proposed concrete channel and culvert will only be 1.307ha.

14.2

Because the entirety of the Lot 3 drainage system is directed to the existing open channel (as shown on drawing 20224_DA_C105), the flows will be directed to the subdivision water quality and detention basin. This is in accordance with the approved subdivision stormwater design. As such, all flows off the Lot 3 site will be controlled to rates which are in accordance with Blacktown City Council's On Site Detention Policy – Blacktown City Council Development Control Plan (2005) – Appendix B. Prior to the detention basin, the site flows will be directed to the subdivision water quality bio filtration basin. This basin will be effective in treating and removing pollutants to levels as stipulated in Council's Development Control Plan (2015) – Part J. By meeting these water quantity and quality targets, there will be no adverse impacts to the hydrology or water quality of the existing downstream and receiving systems.

14.4



As described in item 14.2 above, the Lot 3 site stormwater system will be compliant with Blacktown City Council's On Site Detention Policy – Blacktown City Council Development Control Plan (2005) – Appendix B and also Part J – Water Sensitive Urban Design and Integrated Water Management. Part of the Lot design will include the design and documentation of an appropriately sized Gross Pollutant Trap (GPT). This will be needed in order to meet the previously approved subdivision water quality system. The Church Street intersection and road upgrades have not been documented at this stage, however the future DA for the detailed design will show the drainage system and any required easements.

DRAWING LIST

DRAWING SCHEDULE	
20224_DA_C000	COVER SHEET, DRAWING SCHEDULE, NOTES AND LOCALITY SKETCH
20224_DA_BE01	CUT AND FILL PLAN
20224_DA_BE02	BULK EARTHWORKS SECTIONS
20224_DA_C100	GENERAL ARRANGEMENT PLAN - GROUND LEVEL
20224_DA_C100a	GENERAL ARRANGEMENT PLAN - BASEMENT LEVEL
20224_DA_C101	DETAIL CIVIL PLAN, SHEET 1 OF 6
20224_DA_C102	DETAIL CIVIL PLAN, SHEET 2 OF 6
20224_DA_C103	DETAIL CIVIL PLAN, SHEET 3 OF 6
20224_DA_C104	DETAIL CIVIL PLAN, SHEET 4 OF 6
20224_DA_C105	DETAIL CIVIL PLAN, SHEET 5 OF 6
20224_DA_C106	DETAIL CIVIL PLAN, SHEET 6 OF 6
20224_DA_C107	DETAIL CIVIL PLAN - BASEMENT, SHEET 1 OF 3
20224_DA_C108	DETAIL CIVIL PLAN - BASEMENT, SHEET 2 OF 3
20224_DA_C109	DETAIL CIVIL PLAN - BASEMENT, SHEET 3 OF 3
20224_DA_C110	TYPICAL SITE SECTIONS, SHEET 1 OF 3
20224_DA_C111	TYPICAL SITE SECTIONS, SHEET 2 OF 3
20224_DA_C112	TYPICAL SITE SECTIONS, SHEET 3 OF 3
20224_DA_C130	ACCESS ROAD CL LONG SECTION AND CHAINAGES PLAN

Please contact the undersigned if you have any queries or concerns.



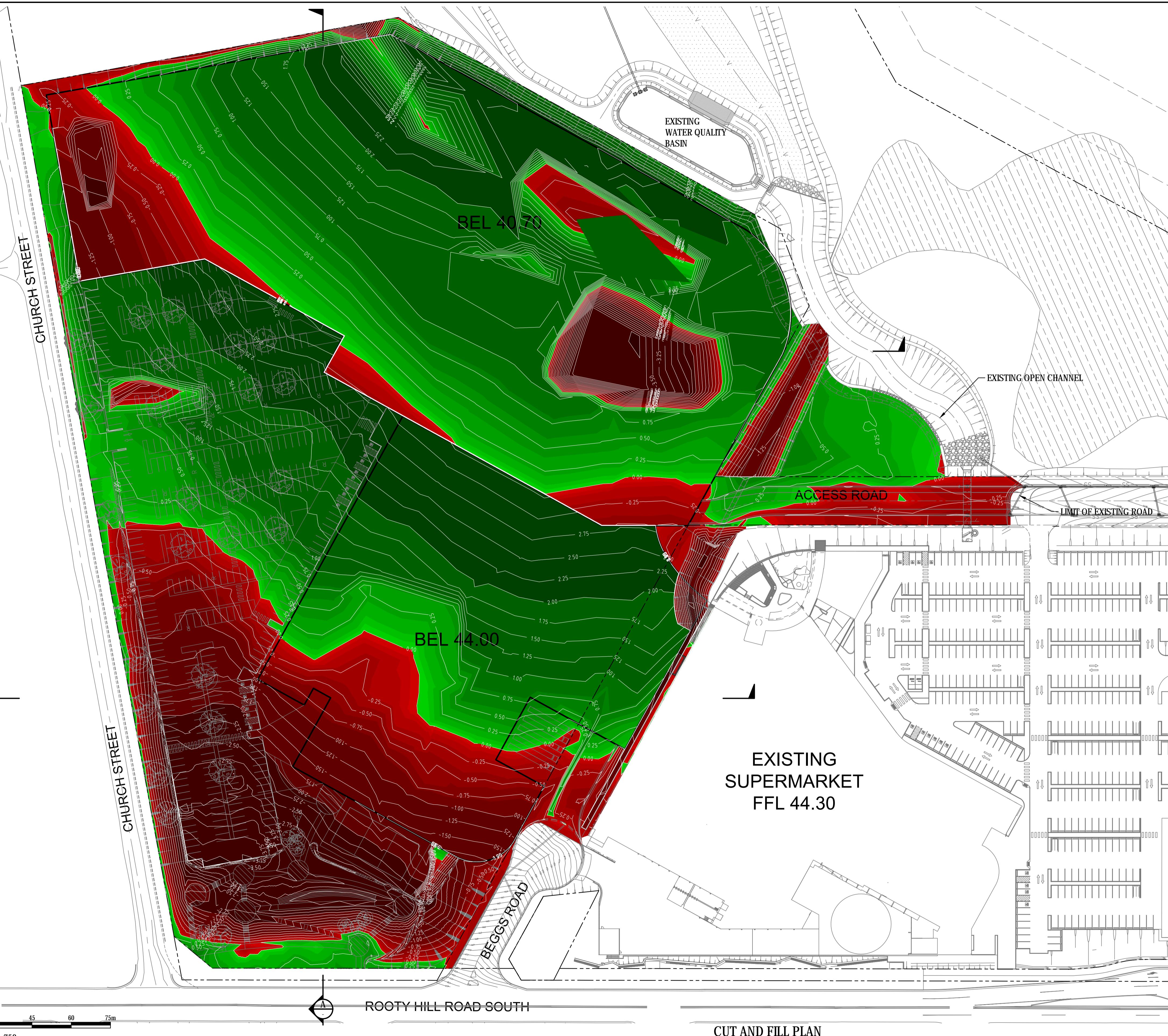
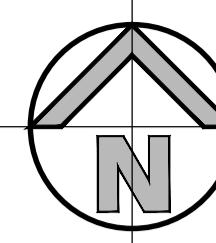
henry&hymas

Yours faithfully,

A handwritten signature in black ink, appearing to read "Tom Dempsey".

TOM DEMPSEY

For, and on behalf of,
H & H Consulting Engineers Pty Ltd

**CUT AND FILL PLAN**

SCALE 1:750

CONCEPT

SURVEY INFORMATION																		
SURVEYED BY:																		
DATUM:	02 ISSUED FOR INFORMATION	LC	TD	21.12.2020														
ORIGIN OF LEVELS:	01 ISSUED FOR INFORMATION	LC	TD	20.11.2020														
REVISION:	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION													
AMENDMENT		DRAWN	DESIGNED	DATE	REVISION													

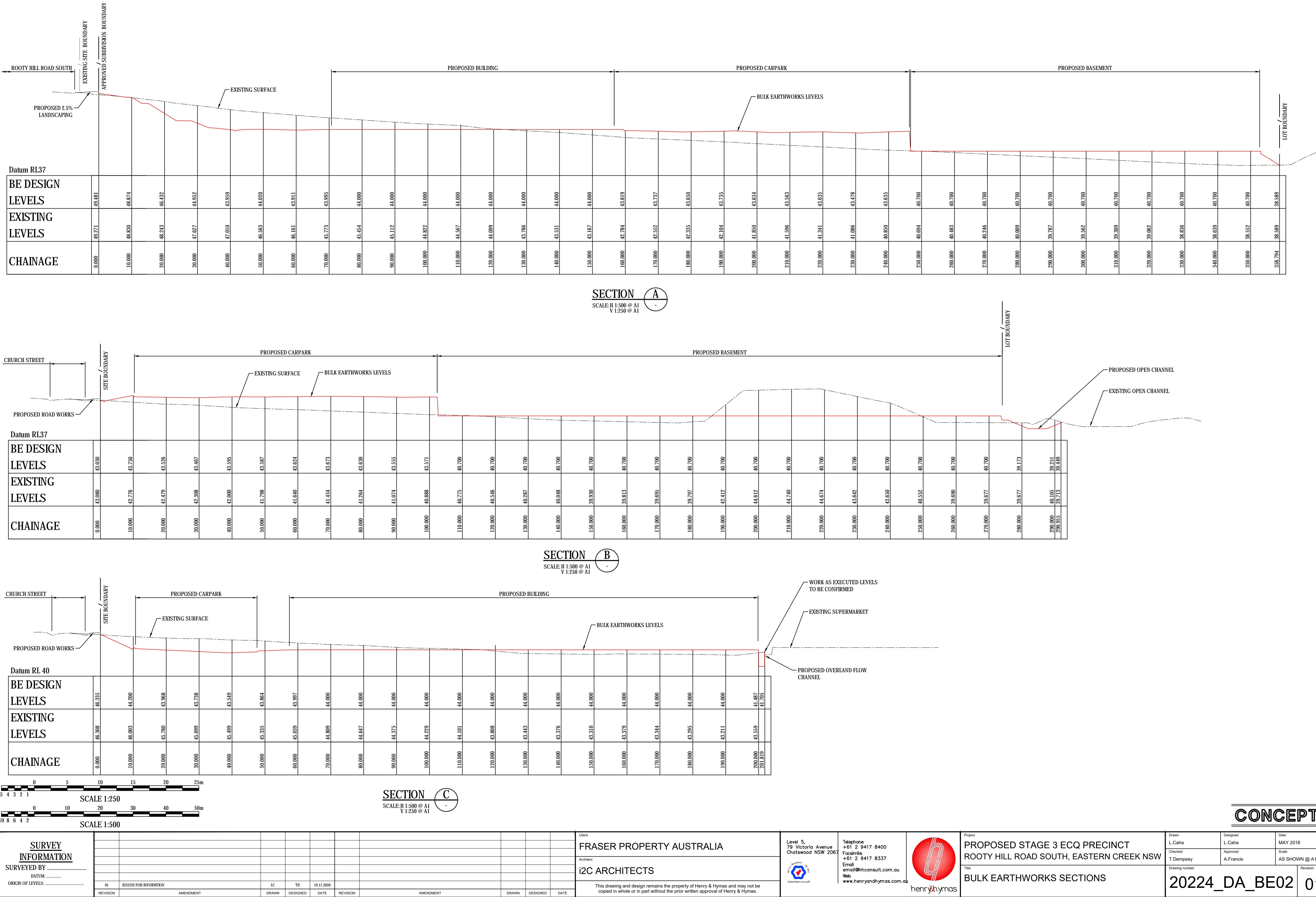
Client: **FRASER PROPERTY AUSTRALIA**
Architect: **i2C ARCHITECTS**

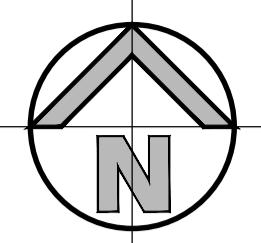
Telephone +61 2 9417 8400
Facsimile +61 2 9417 8337
Email: enroll@fhconsult.com.au
Web: www.henryhyamas.com.au

Project: **PROPOSED STAGE 3 ECQ PRECINCT**
Title: **CUT AND FILL PLAN**

Drawn: L.Caha Designed: L.Caha Date: MAY 2018
Checked: T.Dempsey Approved: A.Francis Scale: 1:750 @ A1
Drawing number: **20224_DA_BE01** Revision: **02**

This drawing and design remains the property of Henry & Hyamas and may not be copied in whole or in part without the prior written approval of Henry & Hyamas.





EARTHWORKS QUANTITIES

(APPROXIMATE ONLY)
NOT TO BE USED FOR CONTRACTUAL PURPOSES. TENDERERS TO DETERMINE VOLUMES USING THEIR OWN METHOD OF CALCULATION.

- EARTHWORKS QUANTITIES -		
TOTAL AREA (7.57 ha)		
CUT	20520 m³	
FILL	51880 m³	
EXCESS OF FILL	25360 m³	
TOPSOIL STRIPPING *100m³ OF 750m³ NOT INCLUDED IN CALCULATION		

DEPTH RANGE	Lower_value	Upper_value	Colour
-6	to	-4	Meters
-4	to	-2	Meters
-2	to	-1	Meters
-1	to	-.8	Meters
-.8	to	-.6	Meters
-.6	to	-.4	Meters
-.4	to	-.2	Meters
-.2	to	-.1	Meters
-.1	to	-.05	Meters
-.05	to	.0	Meters
.0	to	.05	Meters
.05	to	.1	Meters
.1	to	.2	Meters
.2	to	.4	Meters
.4	to	.6	Meters
.6	to	.8	Meters
.8	to	1	Meters
1	to	2	Meters
2	to	4	Meters
4	to	6	Meters

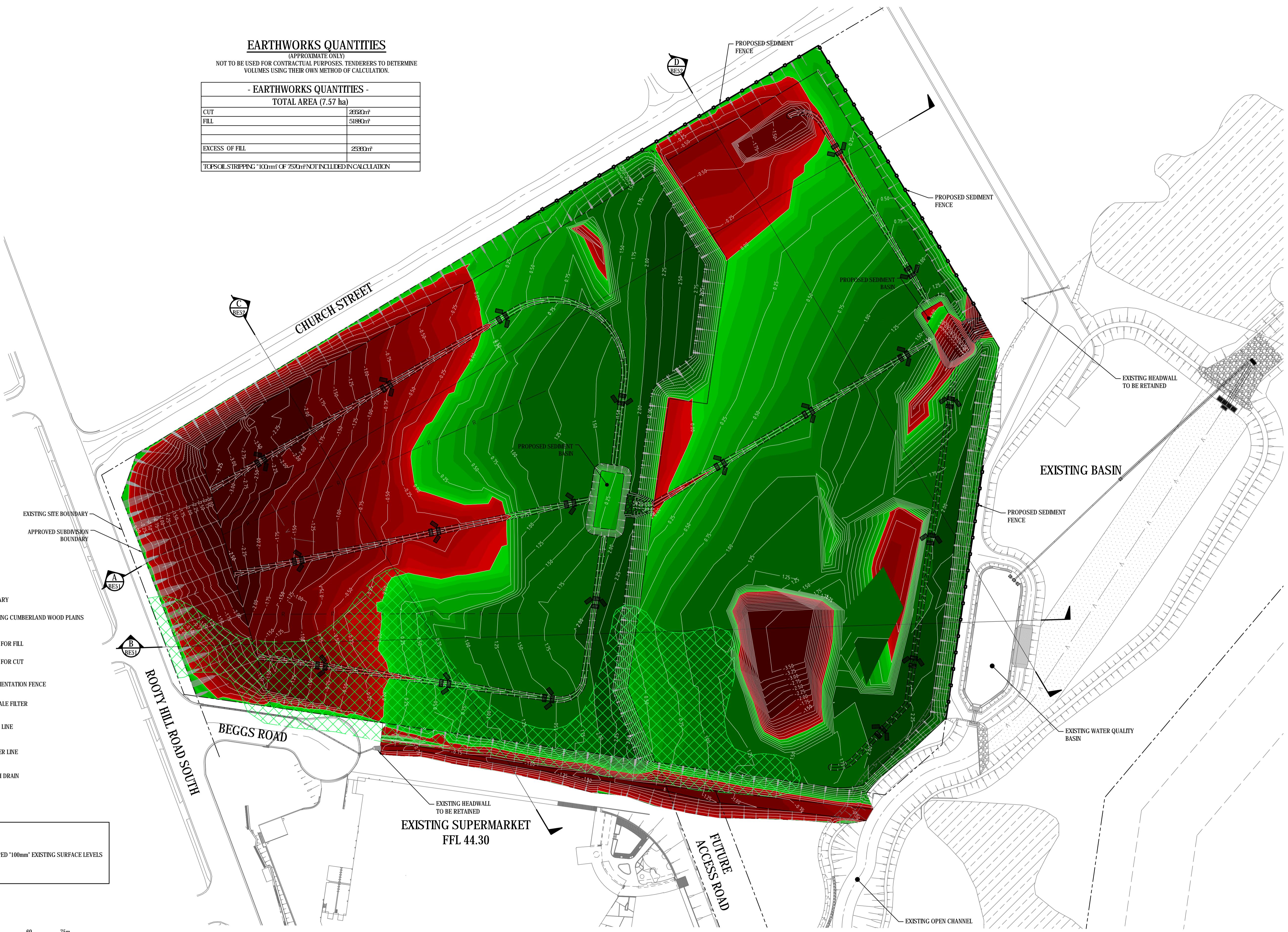
LEGEND

- EXISTING BOUNDARY
- ||||| EXISTING CUMBERLAND WOOD PLAINS TO BE REMOVED
- DEPTH CONTOUR FOR FILL
- DEPTH CONTOUR FOR CUT
- PROPOSED SEDIMENTATION FENCE
- PROPOSED HAYBALE FILTER
- EXISTING BATTER LINE
- PROPOSED BATTER LINE
- DIVERSION CATCH DRAIN

NOTES:

CONTOURS SHOW LEVEL DIFFERENCE BETWEEN STRIPPED "100mm" EXISTING SURFACE LEVELS AND BULK EARTHWORKS LEVELS

0 15 30 45 60 75m
SCALE 1:750

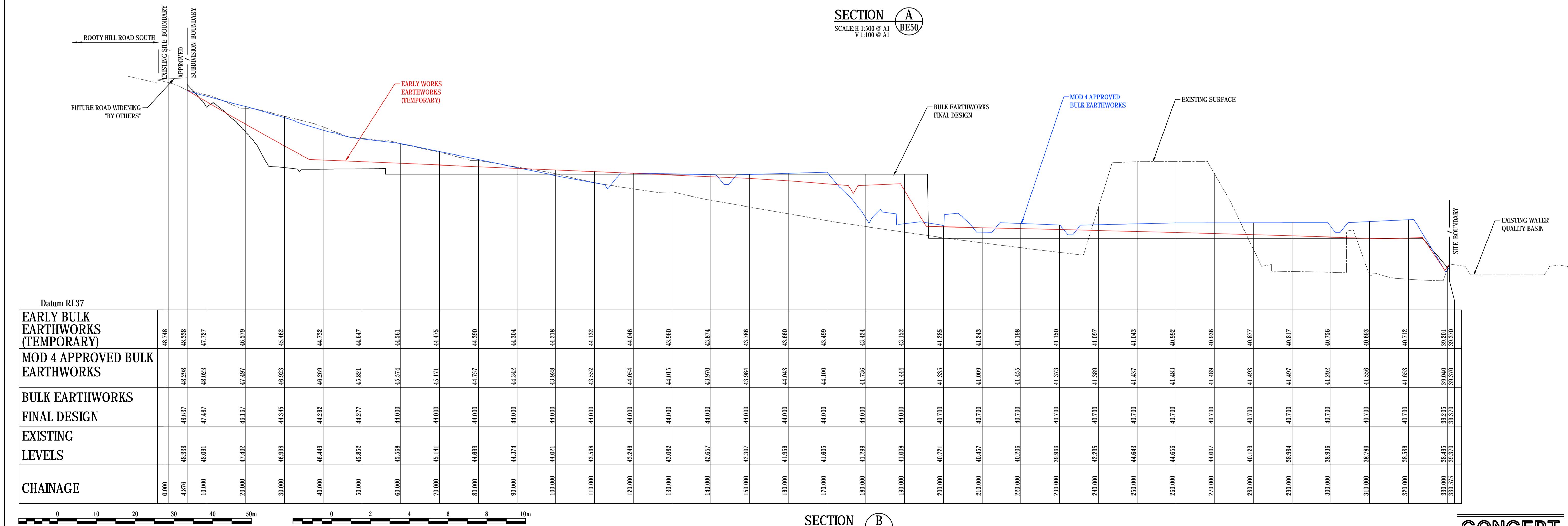
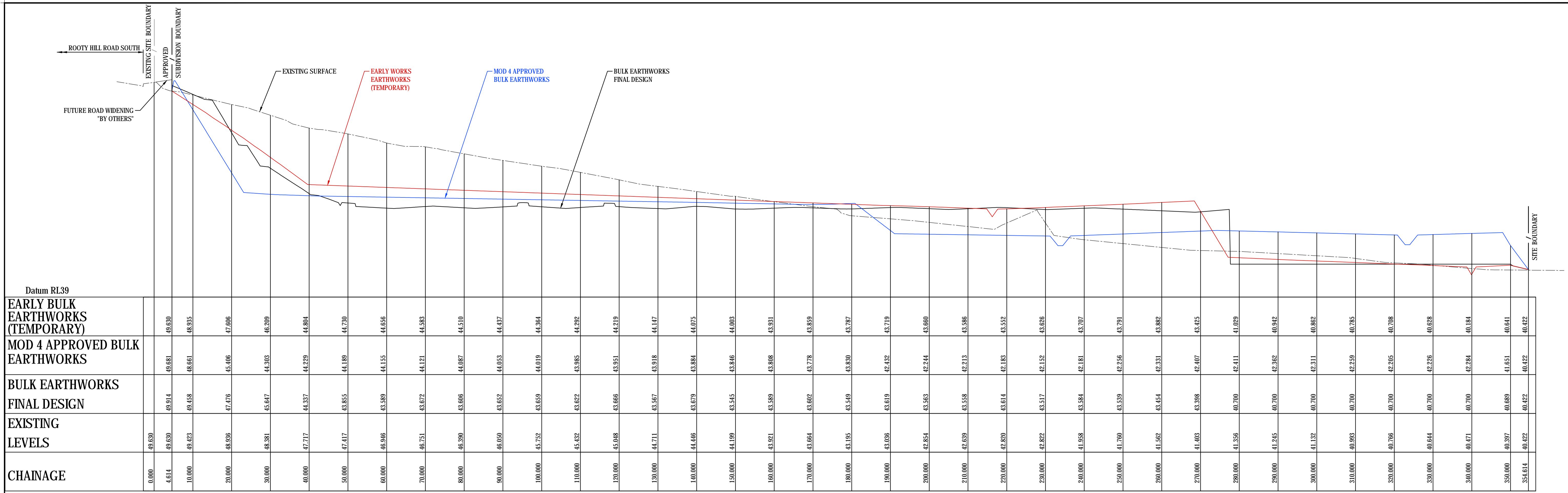


EARLY WORKS - CUT AND FILL PLAN

SCALE 1:750

CONCEPT

SURVEY INFORMATION										Client			Project			Drawn		
SURVEYED BY										FRASER PROPERTY AUSTRALIA			PROPOSED STAGE 3 ECQ PRECINCT			Designed		Date
DATE:										Architect			ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW			L.Caha		DEC 2020
ORIGIN OF LEVELS:										T.Dempsey			Checked			Approved		Scale
01	ISSUED FOR INFORMATION	LC	TD	21.12.2020	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	01	01	01	01	01	01	01	01	01
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	01	01	01	01	01	01	01	01	01
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Globe Model.com.au										www.henryandhymas.com.au			20224_DA_BE50			20224_DA_BE50		01



CONCEPT

01	ISSUED FOR INFORMATION	LC	TD	21.12.2020	AMENDMENT DRAWN DESIGNED DATE			AMENDMENT DRAWN DESIGNED DATE		
					REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION

0 10 20 30 40 50m
2 1 0 2 4 6 8 10m
SCALE 1:500
SCALE 1:100

Client: **FRASER PROPERTY AUSTRALIA**
Architect: **henry & hymas**
Level 5, 79 Victoria Avenue Chatswood NSW 2067
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Facsimile +61 2 9417 8337
Email email@hnyconsult.com.au
Web www.henryandhymas.com.au

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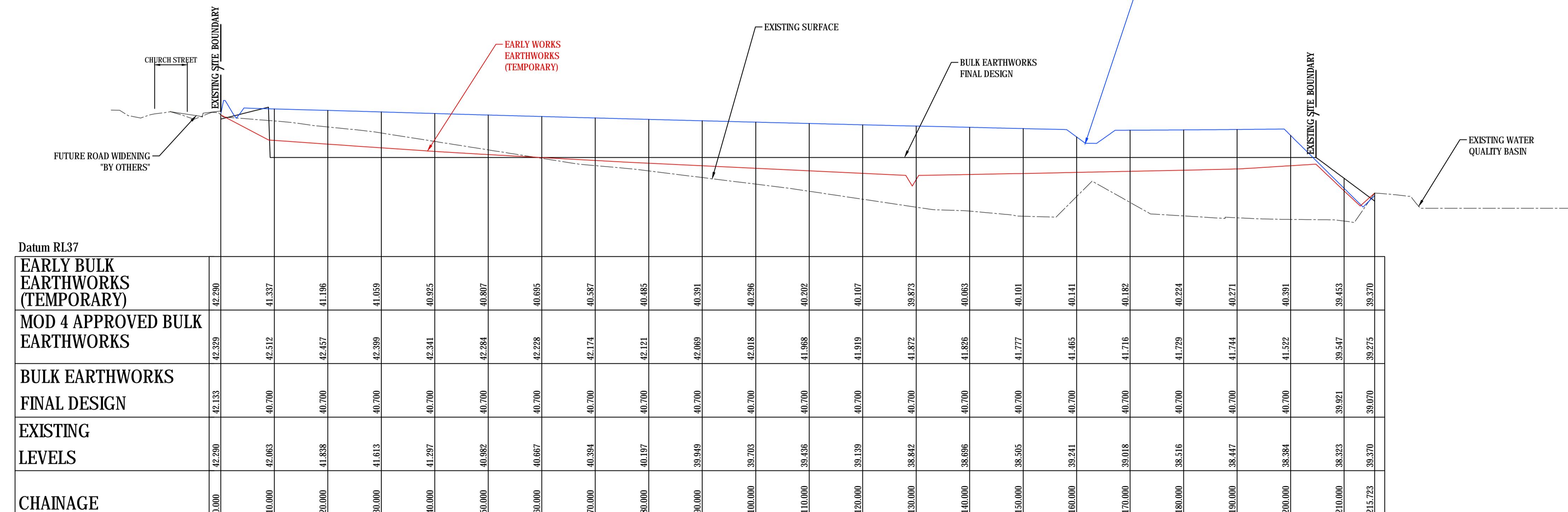
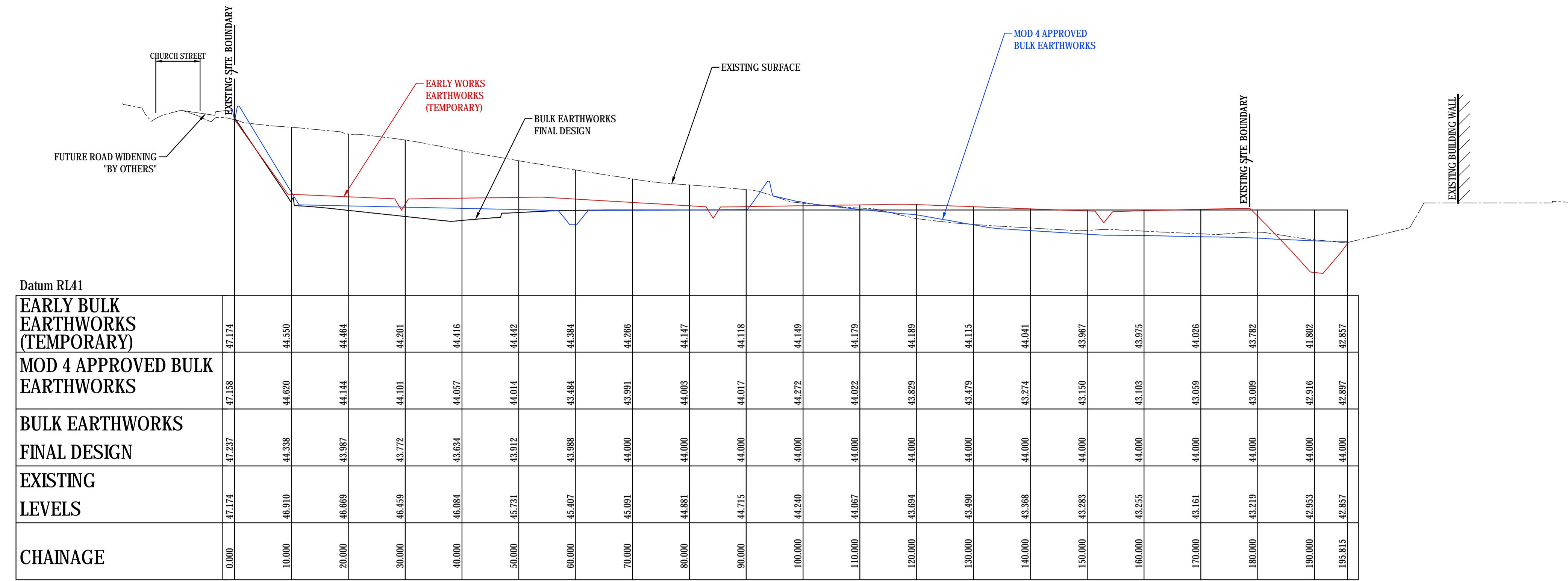
Project: **PROPOSED STAGE 3 ECQ PRECINCT**
Rooty Hill Road South, Eastern Creek NSW

Title: **BULK EARTHWORKS - EARLY WORKS SITE SECTIONS, SHEET 1 OF 2**

Drawn: L.Caha
Designed: L.Caha
Date: DEC 2020

Checked: T.Dempsey
Approved: A.Francis
Scale: AS SHOWN @ A1

Drawing number: 20224_DA_BE51
Revision: 01



SCALE 1:500

A horizontal scale bar divided into 10 equal segments. The segments are black with white outlines. Above the bar, numerical labels are placed above the first, third, fifth, seventh, and ninth segments: 0, 2, 4, 6, and 8. Below the bar, numerical labels are placed below the second and fourth segments: 2 and 1. The text "SCALE 1:100" is centered below the scale bar.

TRACER PROPERTY LISTENERS

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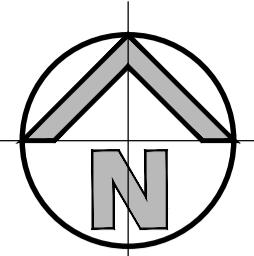


henry & hymas

PROPOSED STAGE 3 ECQ PRECINCT

ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW

	E.Cana	DEC 2020
Spsey	Approved A.Francis	Scale AS SHOWN @ A1
number		Revision
0224	DA	BE52
		01



20224_DA_C102

20224_DA_C101

CHURCH STREET

20224_DA_C103

PROPOSED
SHOPPING CENTRE
FFL 44.30

20224_DA_C104

ROOTY HILL ROAD SOUTH

BEGGS ROAD

20224_DA_C105

EXISTING
SUPERMARKET
FFL 44.30

20224_DA_C106

OVERALL PLAN

SCALE 1:1000

0 20 40 60 80 100m
20 15 10 5LEGEND

EXISTING BOUNDARY



EXTENT OF EXISTING CUMBERLAND WOOD PLAINS AREA TO BE REMOVED

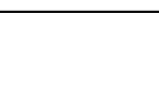
NOTE:

FOR THE INTERNAL SUBDIVISION ACCESS ROAD AND BASINS, THE CONSTRUCTION LEVEL DRAWINGS HAVE BEEN USED ON THESE PLANS. WORKS AS EXECUTED PLANS WERE NOT AVAILABLE AT THE TIME OF PREPARING THESE CONCEPT PLANS.

CONCEPT

REVISION	AMENDMENT											
	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	
	02	ISSUED FOR INFORMATION	MS	TD	22.12.2020	01	ISSUED FOR INFORMATION	LC	TD	20.11.2020	00	AMENDMENT
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN

Client FRASER PROPERTY AUSTRALIA	Suite 2/01 828 Pacific Highway Gordon NSW 2072	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@fraserproperty.com.au Web www.fraserproperty.com.au	Architect I2C ARCHITECTS	Project PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW	Drawn L.Caha
					Designed L.Caha Date MAY 2018



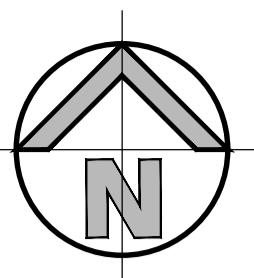
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Checked T.Dempsey	Approved A.Francis	Scale 1:100 @ A1
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Title GENERAL ARRANGEMENT PLAN ON GROUND LEVEL	Drawing number 20224_DA_C100	Revision 02
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LEGEND

EXISTING BOUNDARY

KO

PROPOSED KERB ONLY

PROPOSED STORMWATER PIPE

EXISTING STORMWATER PIPE

EXISTING PIT TO BE RETAINED

EXISTING PIT TO BE REMOVED

RIDGE

VALLY

DESIGN CONTOURS

EXISTING CONTOURS

EXISTING SPOT LEVEL

PROPOSED SPOT LEVEL

EXISTING KERB TO BE REMOVED

PROPOSED LINTEL ONGRADE & SAG P

PROPOSED JUNCTION PITS

PROPOSED SURFACE INLET PITS

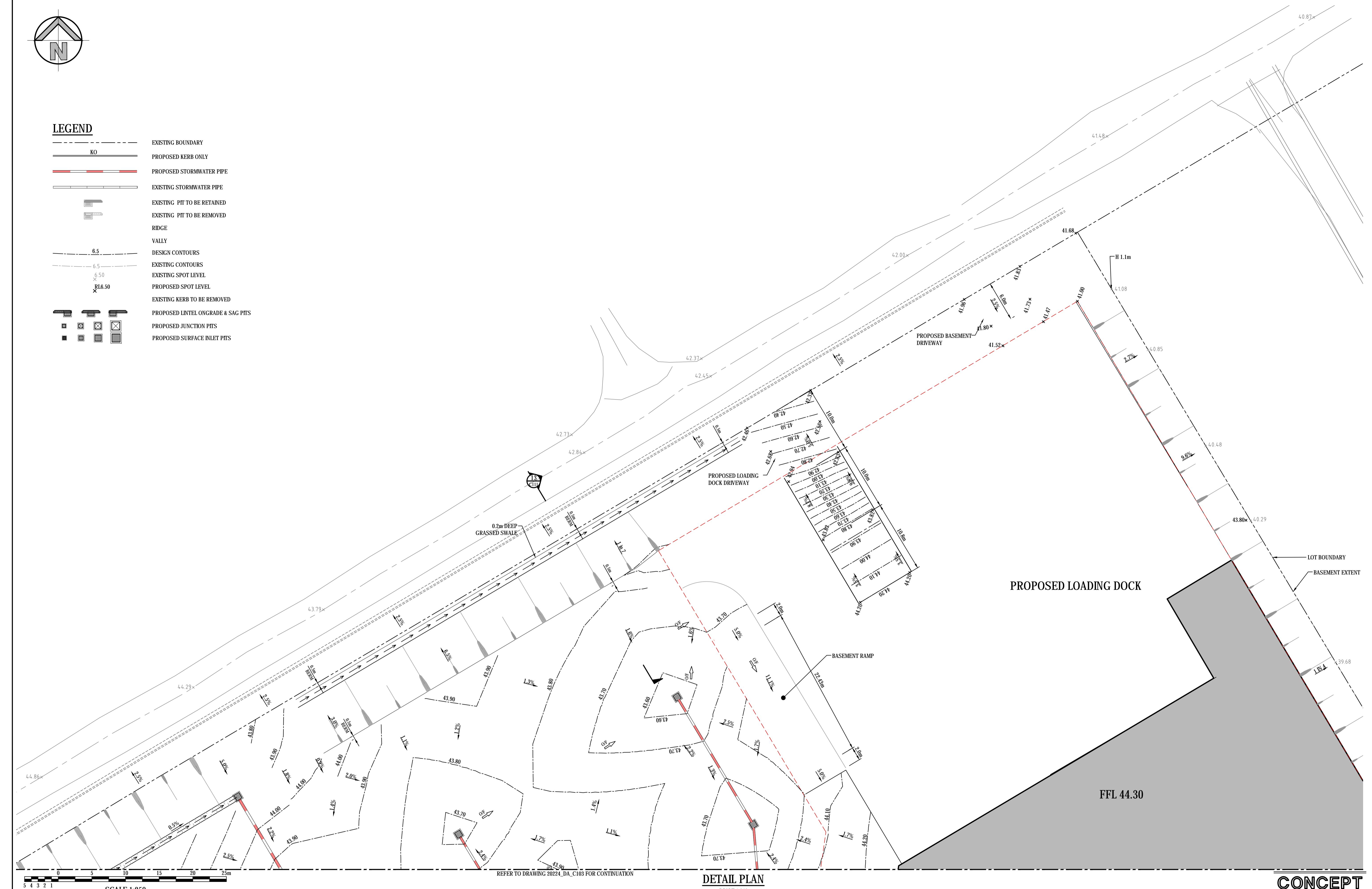
6.5

6.5

X

RL6.50

X



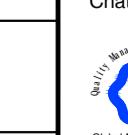
REFER TO DRAWING 20224_DA_C103 FOR CONTINUATION

DETAIL PLAN

CONCEPT

02	ISSUED FOR INFORMATION		MS	TD	22.12.2020				
01	ISSUED FOR INFORMATION		LC	TD	20.11.2020				
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE

SCALE 1:250



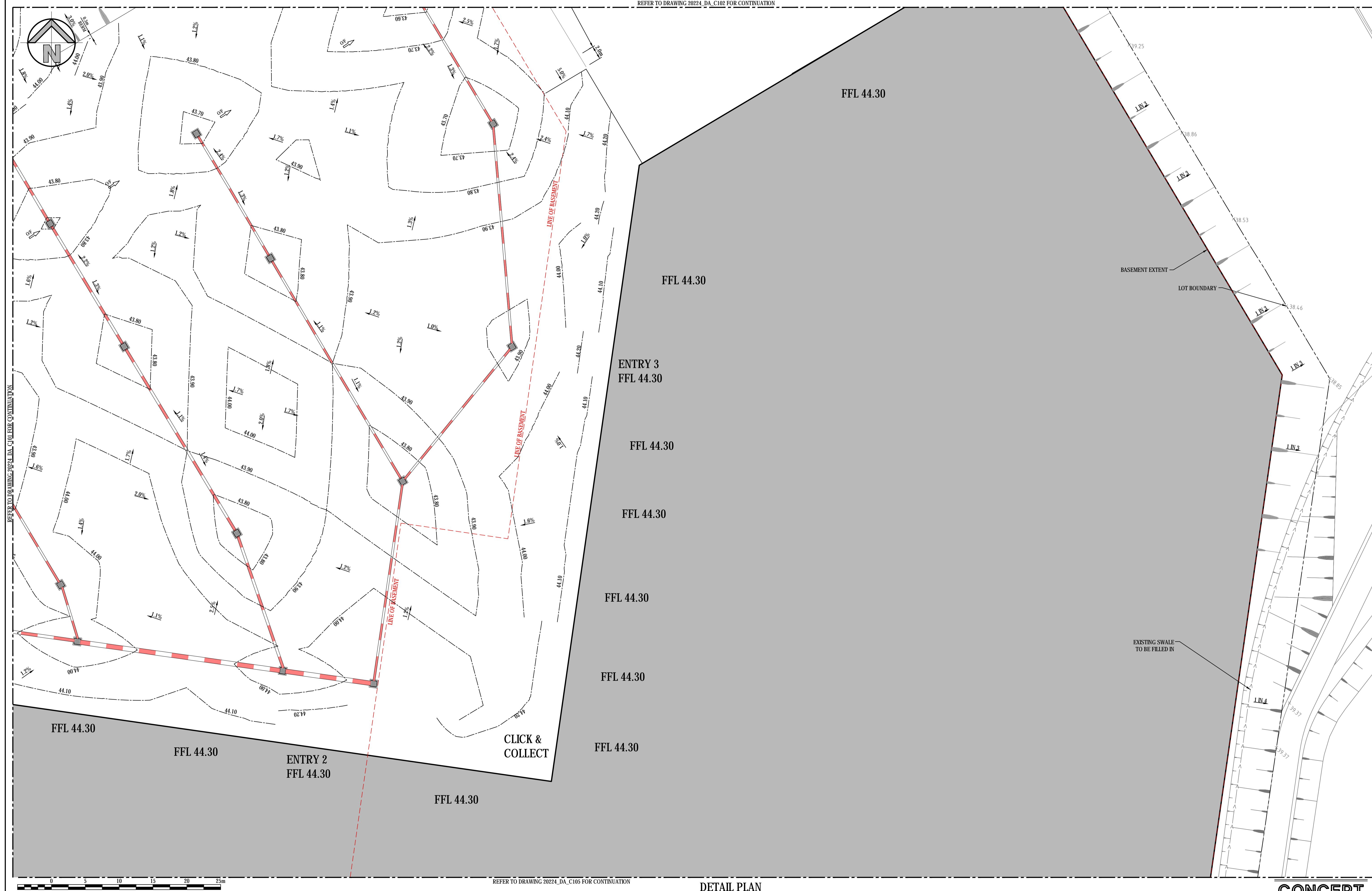
2
NSW

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henry & hymen

CONCER			
Project	Drawn L.Caha	Designed L.Caha	Date MAY 2018
PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW	Checked T.Dempsey	Approved A.Francis	Scale 1:250 @ A1
Title	Drawing number	Revision	
DETAIL CIVIL PLAN SHEET 2 OF 6	20224_DA_C102	02	



DETAIL PLATE

SCALE 1:2

SCALE 1:250

el 5,
Victoria Avenue
stswood NSW 2067


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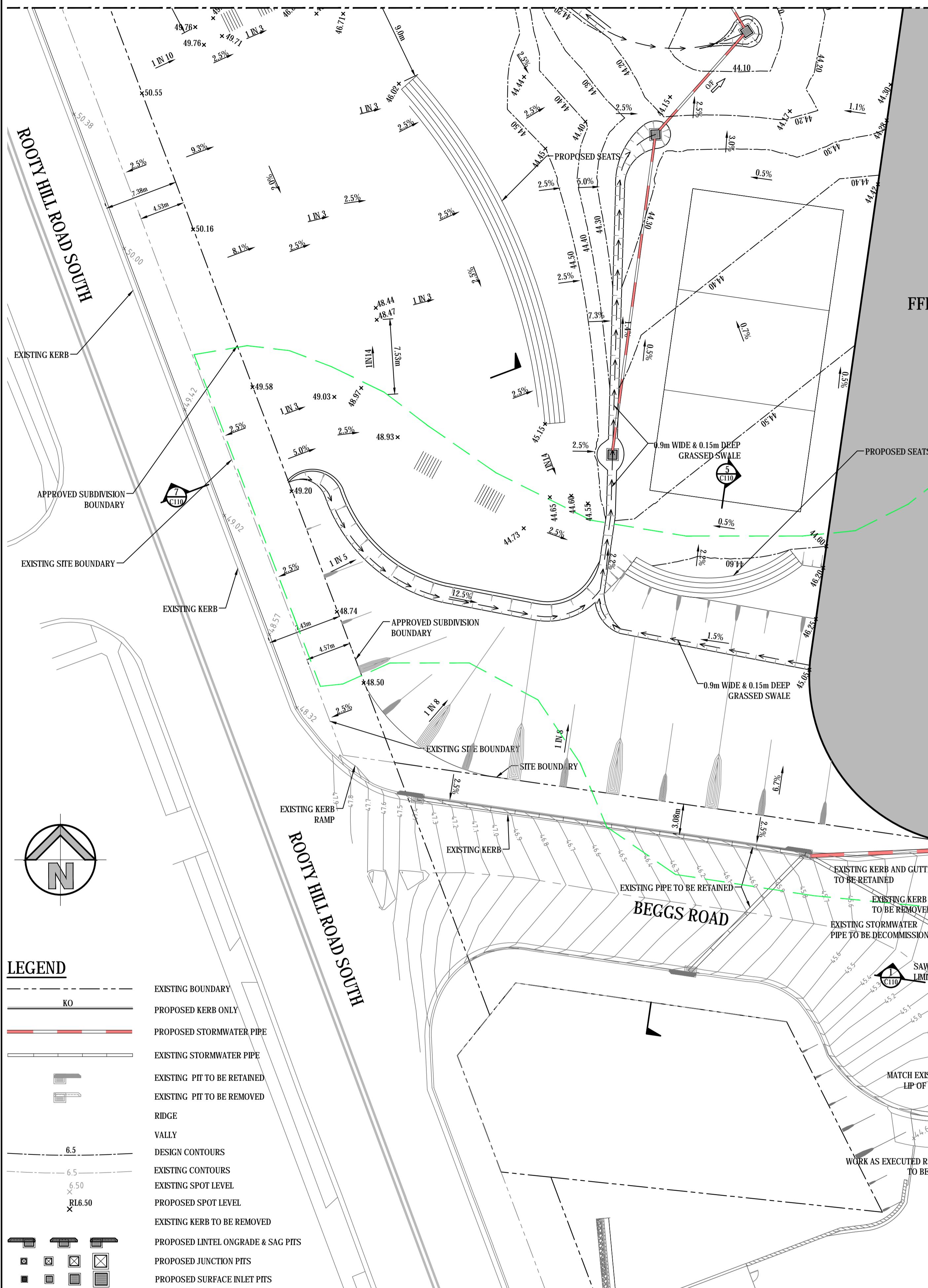


Project
PROPOSED STAGE 3 ECQ PRECINCT
ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW

Title
DETAIL CIVIL PLAN
SHEET 3 OF 6

Drawn L.Caha	Designed L.Caha	Date MAY 2018
Checked T.Dempsey	Approved A.Francis	Scale 1:250 @ A1
Drawing number 20224_DA_C103	Revision 02	

FFL 44.30



DETAIL PLAN

SCALE 1:250

REFER TO DRAWING 20224_DA_C106 FOR CONTINUATION

CONCEPT

20224_DA_C104 02

REF ID: 20224_DA_C104

02

01

REVISION

AMENDMENT

DRAWN

DESIGNED

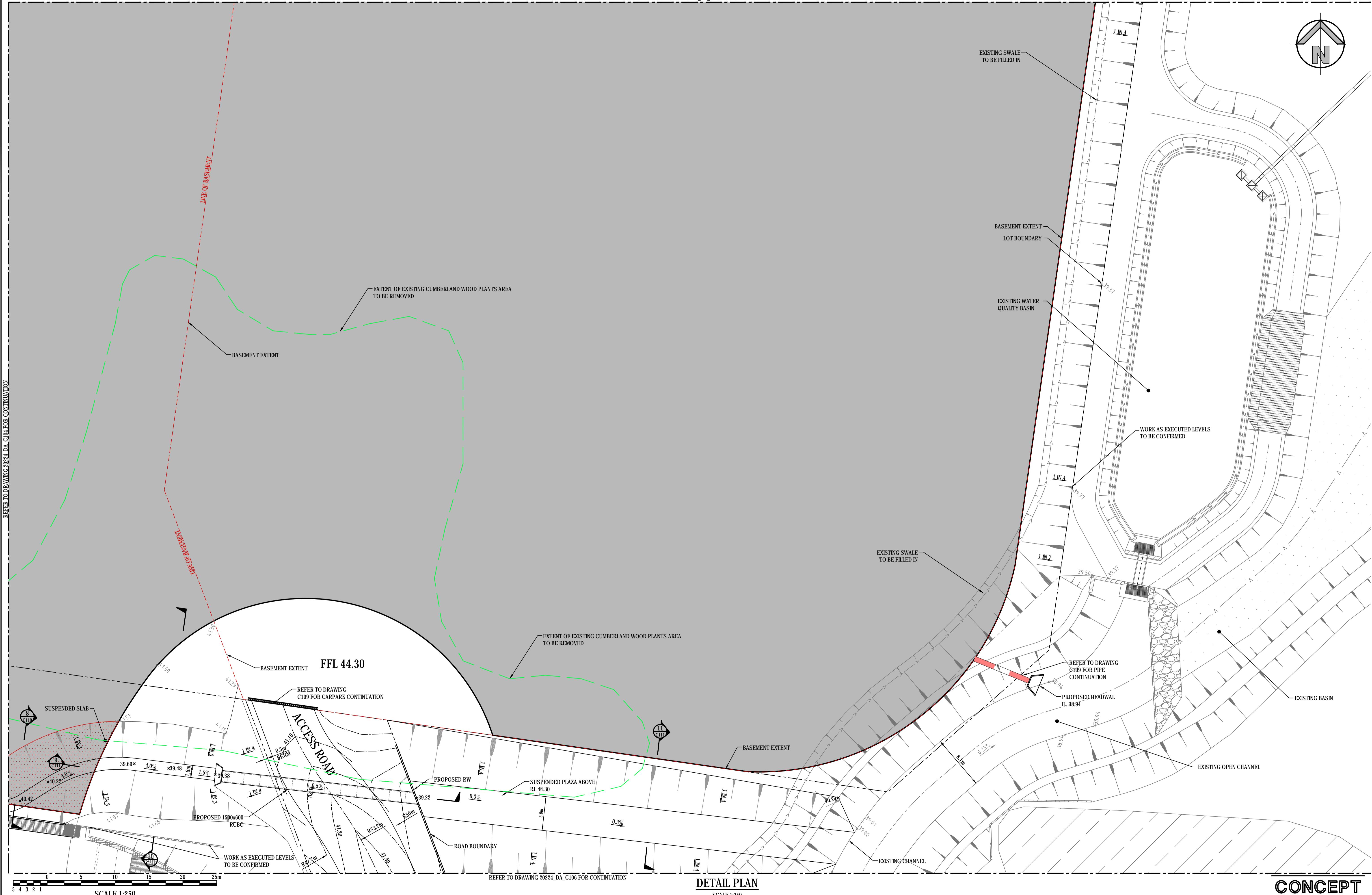
DATE

REVISION

AMENDMENT

DRAWN

REFER TO DRAWING 2024 DA C104 FOR CONTINUATION



DETAIL PLAN

SCALE 1:2

PROPERTY AUSTRALIA

ACTS

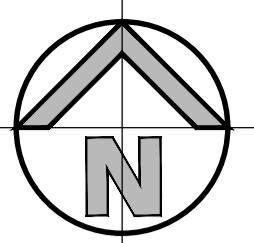


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The logo consists of a red circle containing a stylized white 'H' and 'Y' intertwined.

Project	PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW	Drawn L.Caha Checked T.Dem
Title	DETAIL CIVIL PLAN SHEET 5 OF 6	Drawing 20

	Designed L.Caha	Date MAY 2018
psey	Approved A.Francis	Scale 1:250 @ A1
number		Revision
0224_DA_C105		02



WORK AS EXECUTED LEVELS
TO BE CONFIRMED

EXISTING SUPERMARKET
FFL 44.30

LEGEND

- Existing Boundary
- Proposed Kerb Only
- Proposed Kerb and Gutter
- Proposed Stormwater Pipe
- Existing Stormwater Pipe
- Existing Pit to be Retained
- Existing Pit to be Removed
- Ridge
- Valley
- Design Contours
- Existing Contours
- Existing Spot Level
- Proposed Spot Level
- Existing Kerb to be Removed
- Proposed Lintel Ongrade & Sag Pits
- Proposed Junction Pits
- Proposed Surface Inlet Pits

0 5 10 15 20 25m
5 4 3 2 1

SCALE 1:250

REFER TO DRAWING 20224_DA_C105 FOR CONTINUATION

EXISTING SHOP
FFL 44.30

EXISTING CARPARK

DETAIL PLAN
SCALE 1:250

CONCEPT

REVISION	AMENDMENT			DRAWN			DESIGNED			DATE			REVISION	AMENDMENT			DRAWN			DESIGNED			DATE		
	02	ISSUED FOR INFORMATION	MS	TD	22.12.2020	01	ISSUED FOR INFORMATION	LC	TD	20.11.2020															

FRASER PROPERTY AUSTRALIA	Level 5, 79 Victoria Avenue Chatswood NSW 2067	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@fraserproperty.com.au Web www.fraserproperty.com.au	Project
I2C ARCHITECTS	GlobalMark.com.au	henryhyams	PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW

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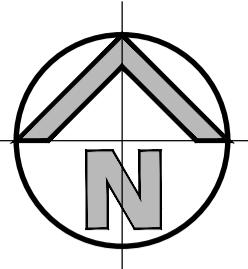


henryhyams

Drawn L.Caha	Designed L.Caha	Date MAY 2018
Checked T.Dempsey	Approved A.Francis	Scale 1:250 @ A1

Drawing number
20224_DA_C106 | 02

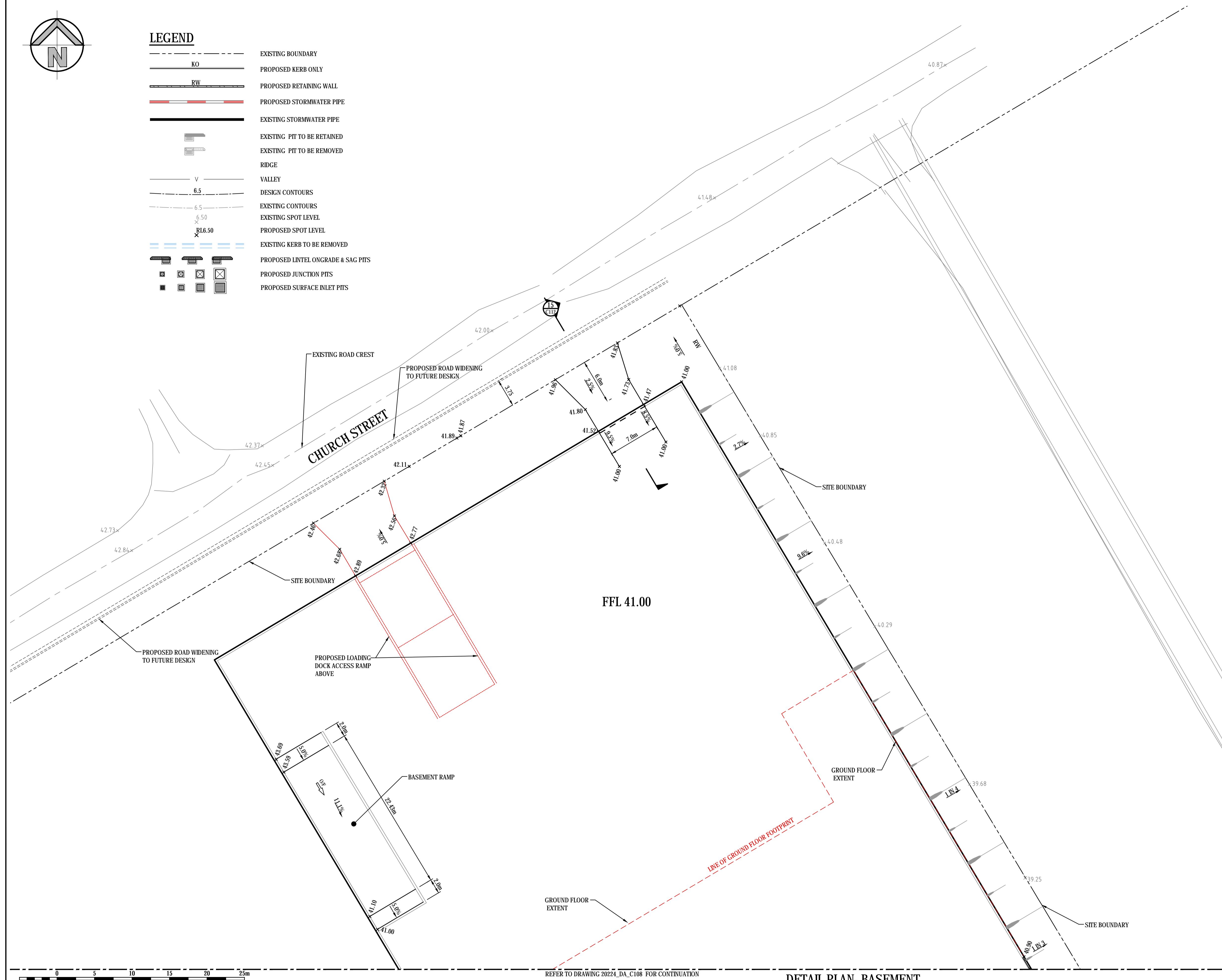
Revision
02



LEGEND

The legend consists of two columns of text entries, each preceded by a small graphic icon.

- KO**: PROPOSED KERB ONLY (represented by a thick black horizontal line)
- RW**: PROPOSED RETAINING WALL (represented by a thin grey horizontal line with diagonal hatching)
- Red bar**: PROPOSED STORMWATER PIPE (represented by a red horizontal bar with a red segment in the center)
- Black bar**: EXISTING STORMWATER PIPE (represented by a thick black horizontal line)
- Existing pit icon**: EXISTING PIT TO BE RETAINED (represented by a grey rectangular box with a horizontal slot)
- Removed pit icon**: EXISTING PIT TO BE REMOVED (represented by a grey rectangular box with a horizontal slot and a dashed line through it)
- V**: RIDGE (represented by a short horizontal line with a downward-pointing V)
- Valley icon**: VALLEY (represented by a short horizontal line with an upward-pointing V)
- 6.5**: DESIGN CONTOURS (represented by a solid horizontal line)
- 6.5**: EXISTING CONTOURS (represented by a dashed horizontal line)
- 6.5 X**: EXISTING SPOT LEVEL (represented by a dashed horizontal line with an 'X' at the center)
- RL6.50 X**: PROPOSED SPOT LEVEL (represented by a dashed horizontal line with an 'X' at the center)
- Blue dashed line**: EXISTING KERB TO BE REMOVED (represented by a blue dashed horizontal line)
- Proposed kerb icons**: PROPOSED LINTEL ONGRADE & SAG P (represented by three icons: a grey kerb, a grey kerb with a grey beam, and a grey kerb with a grey beam and a grey sag plate)
- Proposed junction pits icons**: PROPOSED JUNCTION PITS (represented by four icons: a grey square, a grey square with a diagonal line, a grey square with a cross, and a grey square with a cross and a diagonal line)
- Proposed surface inlet pits icons**: PROPOSED SURFACE INLET PITS (represented by four icons: a grey rectangle, a grey rectangle with a grid pattern, a grey rectangle with a vertical line, and a grey rectangle with a vertical line and a grid pattern)



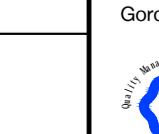
REFER TO DRAWING 20224_DA_C108 FOR CONTINUATION

DETAIL PLAN- BASEMENT

SCALE

5	4	3	2	1							
SCALE 1:250											
02	ISSUED FOR INFORMATION	MS	TD	22.12.2020							
01	ISSUED FOR INFORMATION	LC	TD	20.11.2020							
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE		

SCALE 1:250



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Project

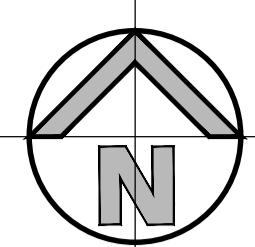
PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW

CONCEPT

Designed L.Caha	Date MAY 2018
--------------------	------------------

Approved	Scale
A.Francis	1:250 @ A1
Drawing number	Revision

20224 DA C107 02

**LEGEND**

	EXISTING BOUNDARY
	PROPOSED KERB ONLY
	PROPOSED RETAINING WALL
	PROPOSED STORMWATER PIPE
	EXISTING STORMWATER PIPE
	EXISTING PIT TO BE RETAINED
	EXISTING PIT TO BE REMOVED
	RIDGE
	VALLEY
	DESIGN CONTOURS
	EXISTING CONTOURS
	EXISTING SPOT LEVEL
	PROPOSED SPOT LEVEL
	EXISTING KERB TO BE REMOVED
	PROPOSED LINTEL ONGRADE SAG PITS
	PROPOSED JUNCTION PITS
	PROPOSED SURFACE INLET PITS

SERVICES & UTILITIES

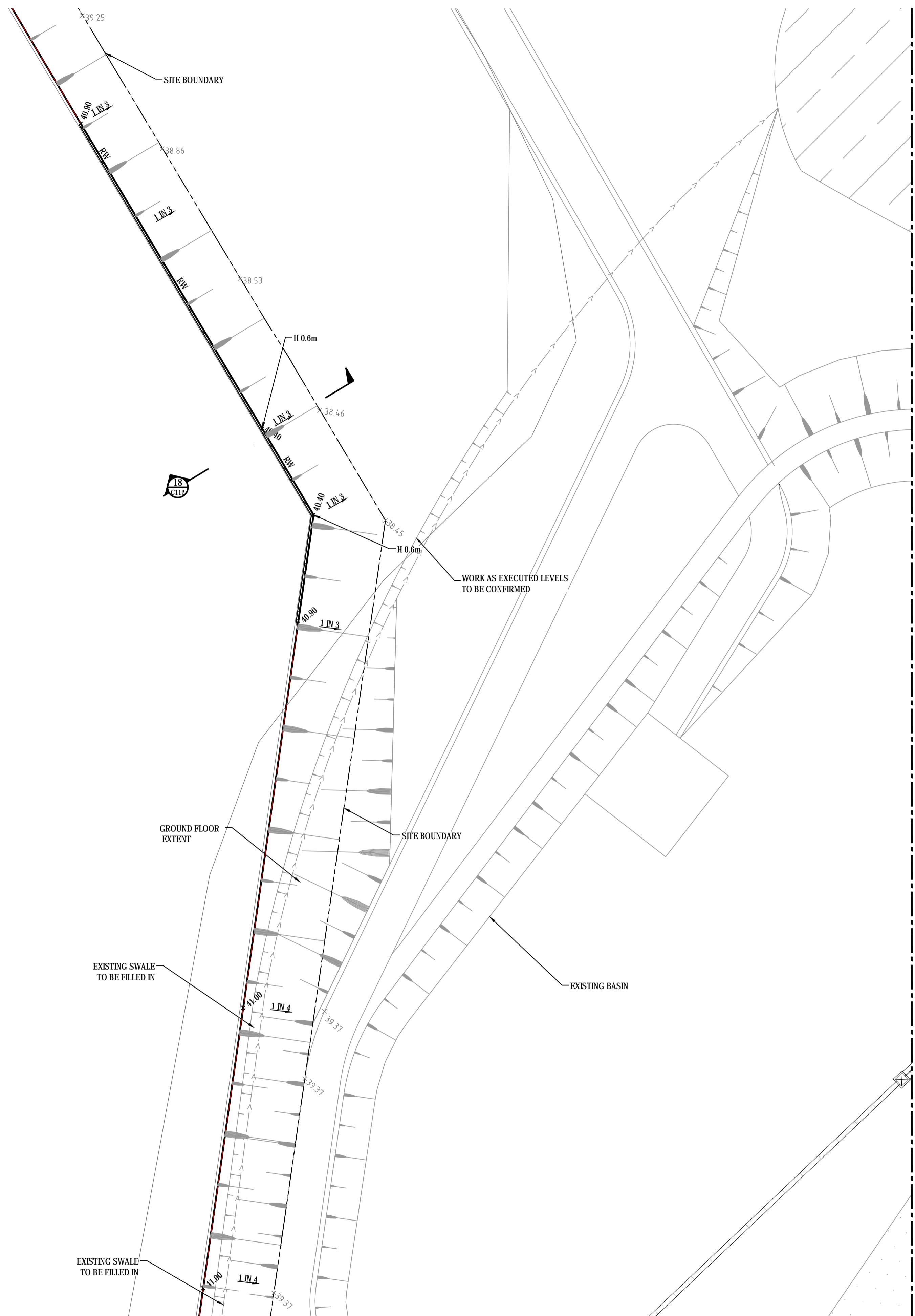
LINE OF GROUND FLOOR FOOTPRINT

DROP PIT
REFER TO CARPARK GRADING PLAN
DRAWING C103 FOR CONTINUATION5 4 3 2 1
SCALE 1:250

REFER TO DRAWING 2024_DA_C107 FOR CONTINUATION

GROUND FLOOR
EXTENT

FFL 41.00



REFER TO DRAWING 2024_DA_C108 FOR CONTINUATION

REFER TO DRAWING 2024_DA_C109 FOR CONTINUATION

DETAIL PLAN - BASEMENT

SCALE 1:250

REVISION	AMENDMENT			DRAWN			DESIGNED			DATE			REVISION			AMENDMENT			DRAWN			DESIGNED			DATE			
	02	ISSUED FOR INFORMATION	MS	TD	22.12.2020	01	ISSUED FOR INFORMATION	LC	TD	20.11.2020																		

Client: FRASER PROPERTY AUSTRALIA

Subject: I2C ARCHITECTS

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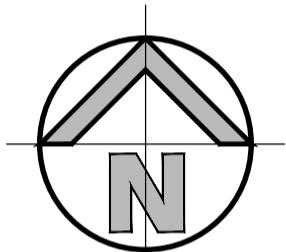
Suite 2/01
828 Pacific Highway
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+61 2 9417 8337Email
email@h2consult.com.auWeb
www.henryandhymas.com.au

GlobalMark.com.au

Project: PROPOSED STAGE 3 ECQ PRECINCT
ROOTY HILL ROAD SOUTH, EASTERN CREEK NSWTitle: DETAIL CIVIL PLAN - BASEMENT
SHEET 2 OF 3Drawn: L.Caha
Designed: L.Caha
Date: MAY 2018
Checked: T.Dempsey
Approved: A.Francis
Scale: 1:250 @ A1
Drawing number: 20224_DA_C108
Revision: 02

LEGEND

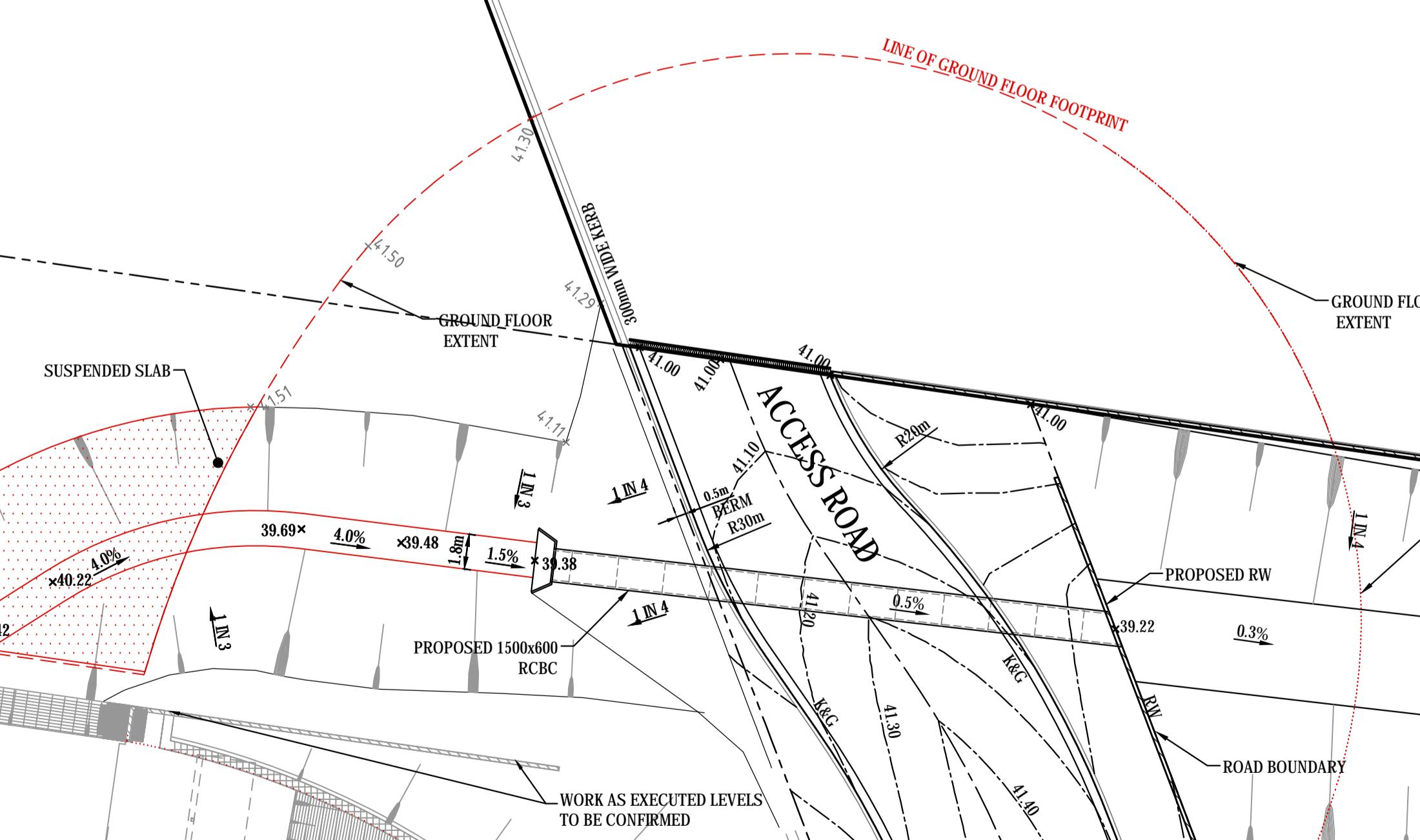
- - - - -	EXISTING BOUNDARY
— KO —	PROPOSED KERB ONLY
— RW —	PROPOSED RETAINING WALL
— PROPOSED STORMWATER PIPE —	PROPOSED STORMWATER PIPE
— EXISTING STORMWATER PIPE —	EXISTING STORMWATER PIPE
— Existing Pit To Be Retained —	EXISTING PIT TO BE RETAINED
— Existing Pit To Be Removed —	EXISTING PIT TO BE REMOVED
— RIDGE —	RIDGE
— V —	VALLEY
— 6.5 —	DESIGN CONTOURS
— 6.50 —	EXISTING CONTOURS
— 6.50 X RL6.50 —	EXISTING SPOT LEVEL
— PROPOSED SPOT LEVEL —	PROPOSED SPOT LEVEL
— Existing Kerb To Be Removed —	EXISTING KERB TO BE REMOVED
— PROPOSED LINTEL ONGRADE & SAG PITS —	PROPOSED LINTEL ONGRADE & SAG PITS
— PROPOSED JUNCTION PITS —	PROPOSED JUNCTION PITS
— PROPOSED SURFACE INLET PITS —	PROPOSED SURFACE INLET PITS

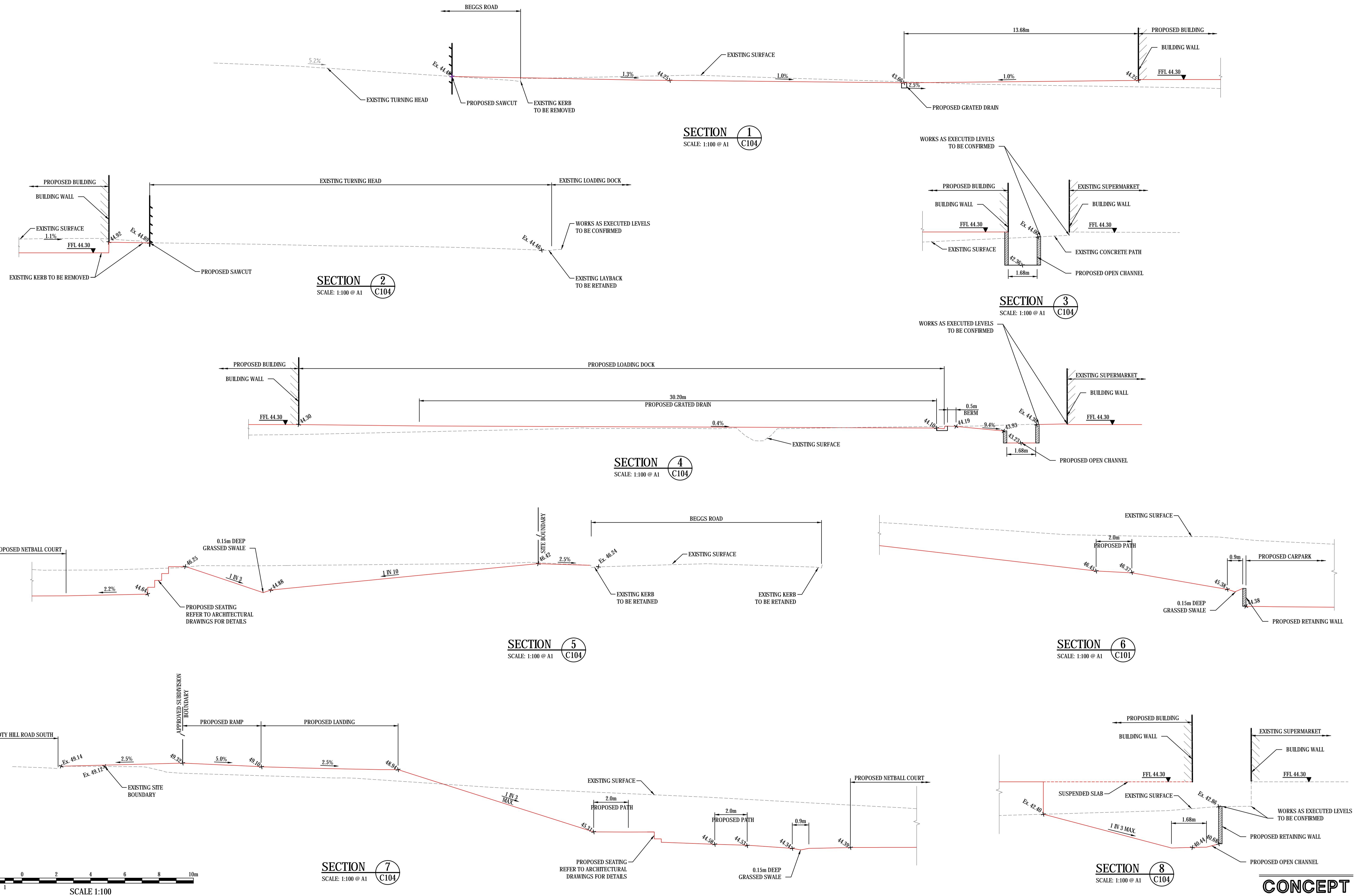


FFL 41.00

REFER TO CARPARK GRADING PLAN
DRAWING C104 FOR CONTINUATION

SCALE 1:250





SURVEY INFORMATION
SURVEYED BY
ORIGIN OF LEVELS:
01 ISSUED FOR INFORMATION
REVISION AMENDMENT DRAWN DESIGNED DATE REVISION AMENDMENT DRAWN DESIGNED DATE

SCALE 1:100

Client
FRASER PROPERTY AUSTRALIA
Architect
I2C ARCHITECTS

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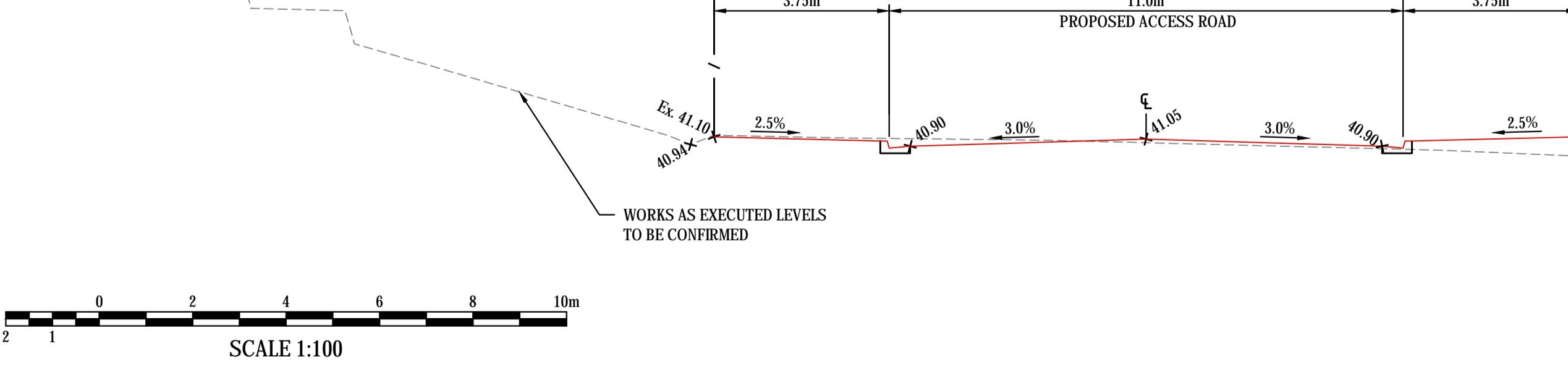
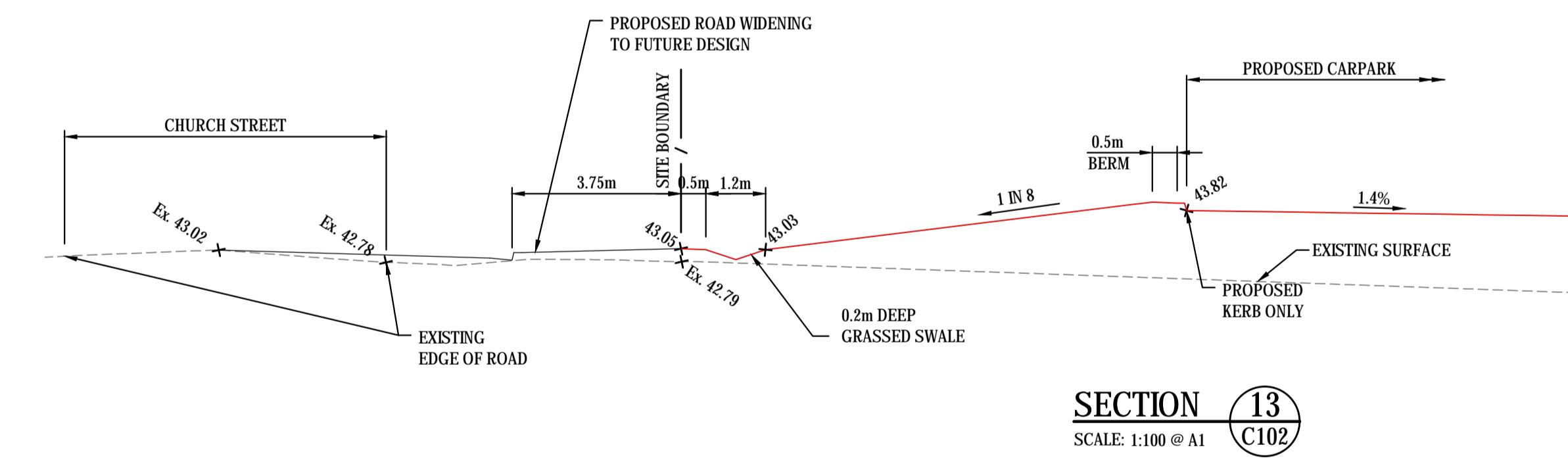
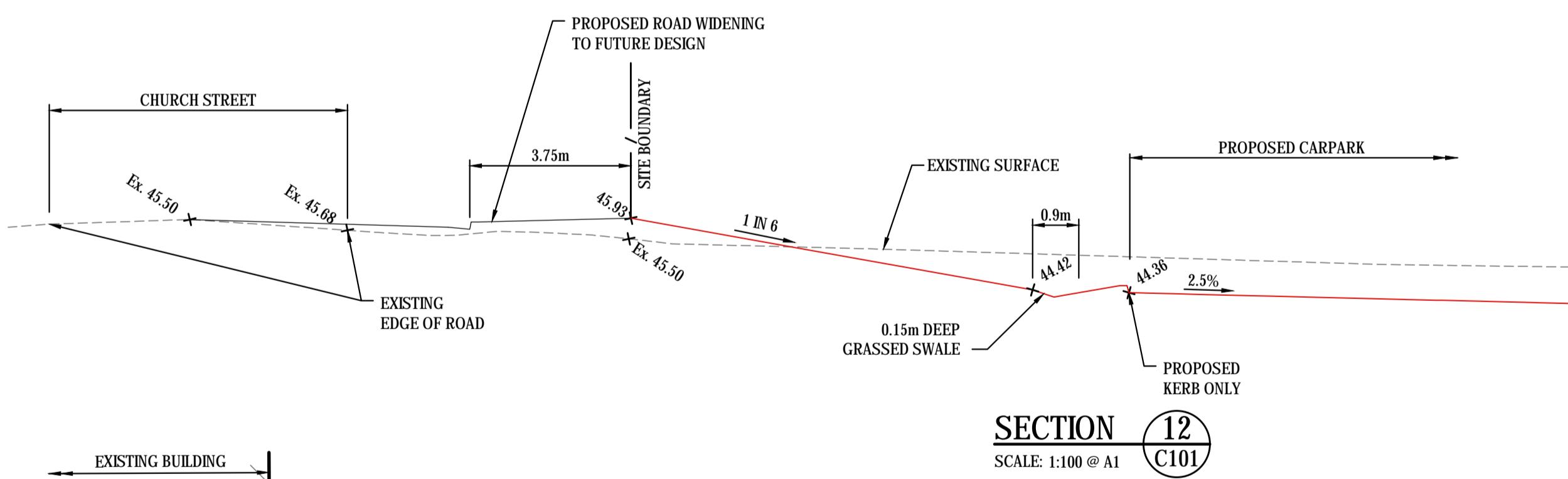
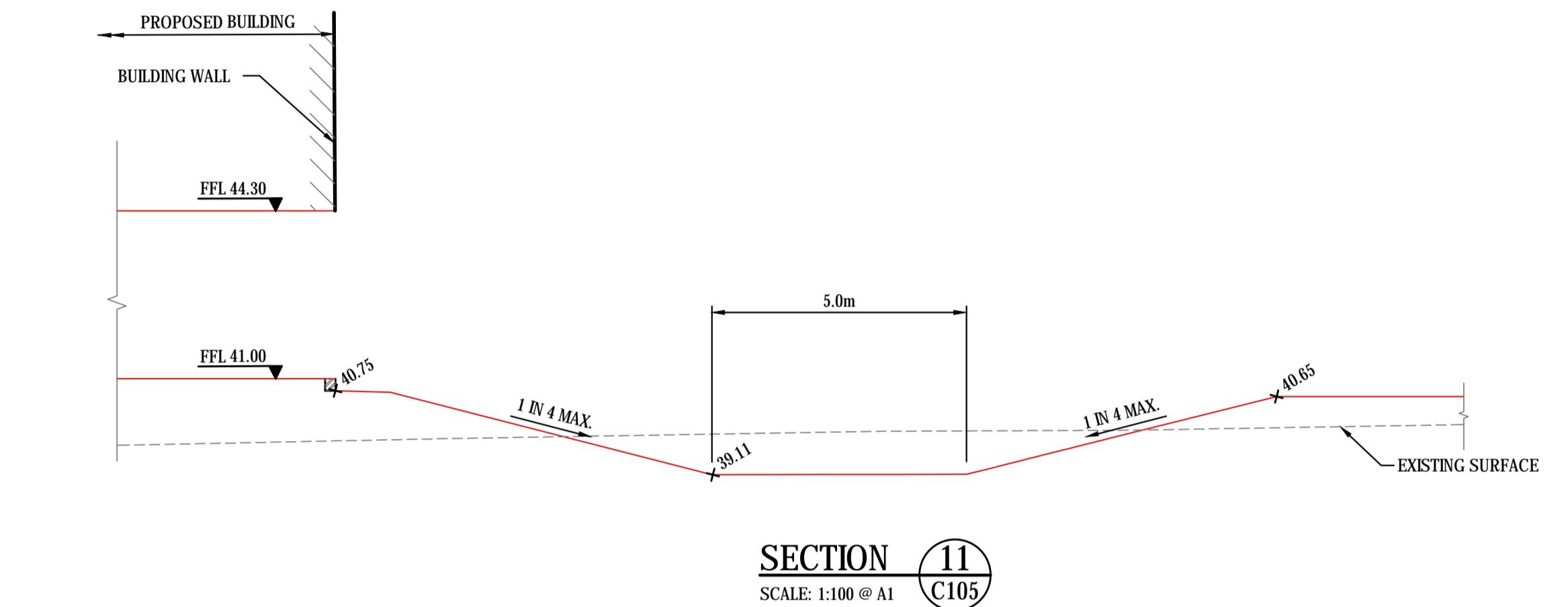
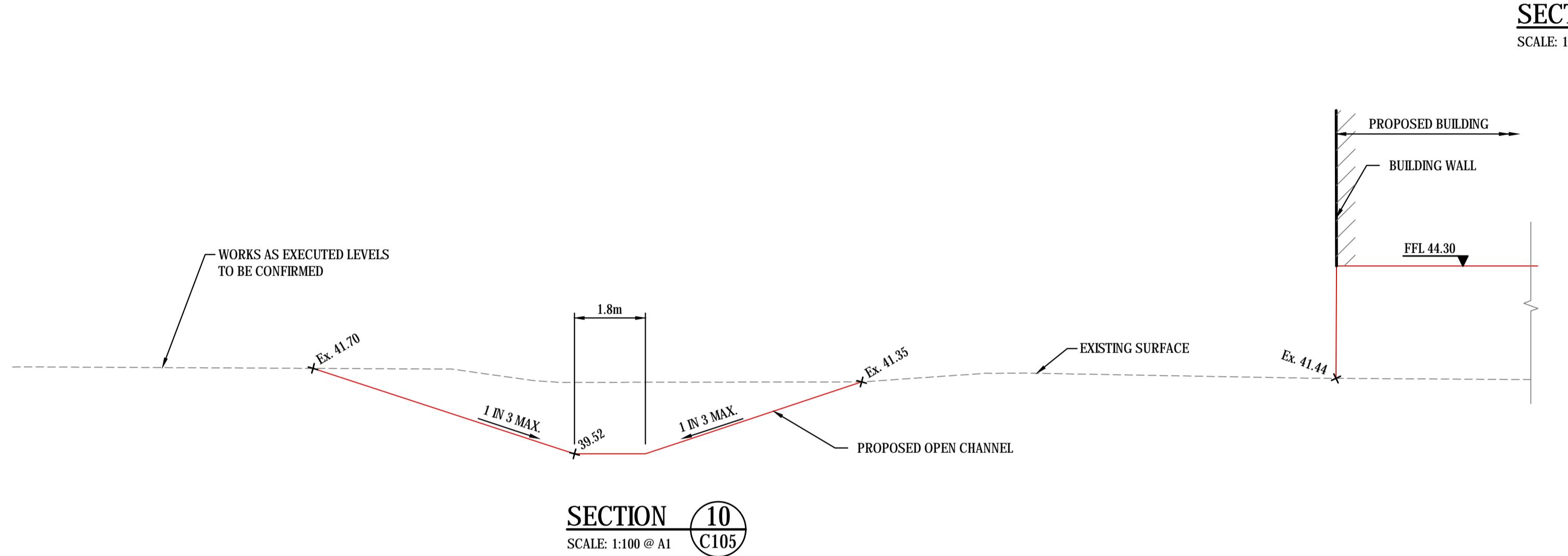
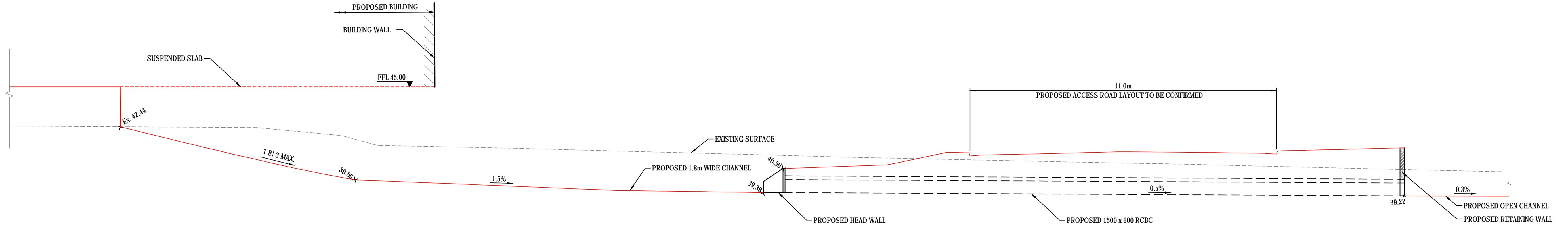
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Project
PROPOSED STAGE 3 ECQ PRECINCT
ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW
Title
SITE SECTION SHEET 1 OF 3

Drawn
L.Caha
Designed
L.Caha
Date
MAY 2018

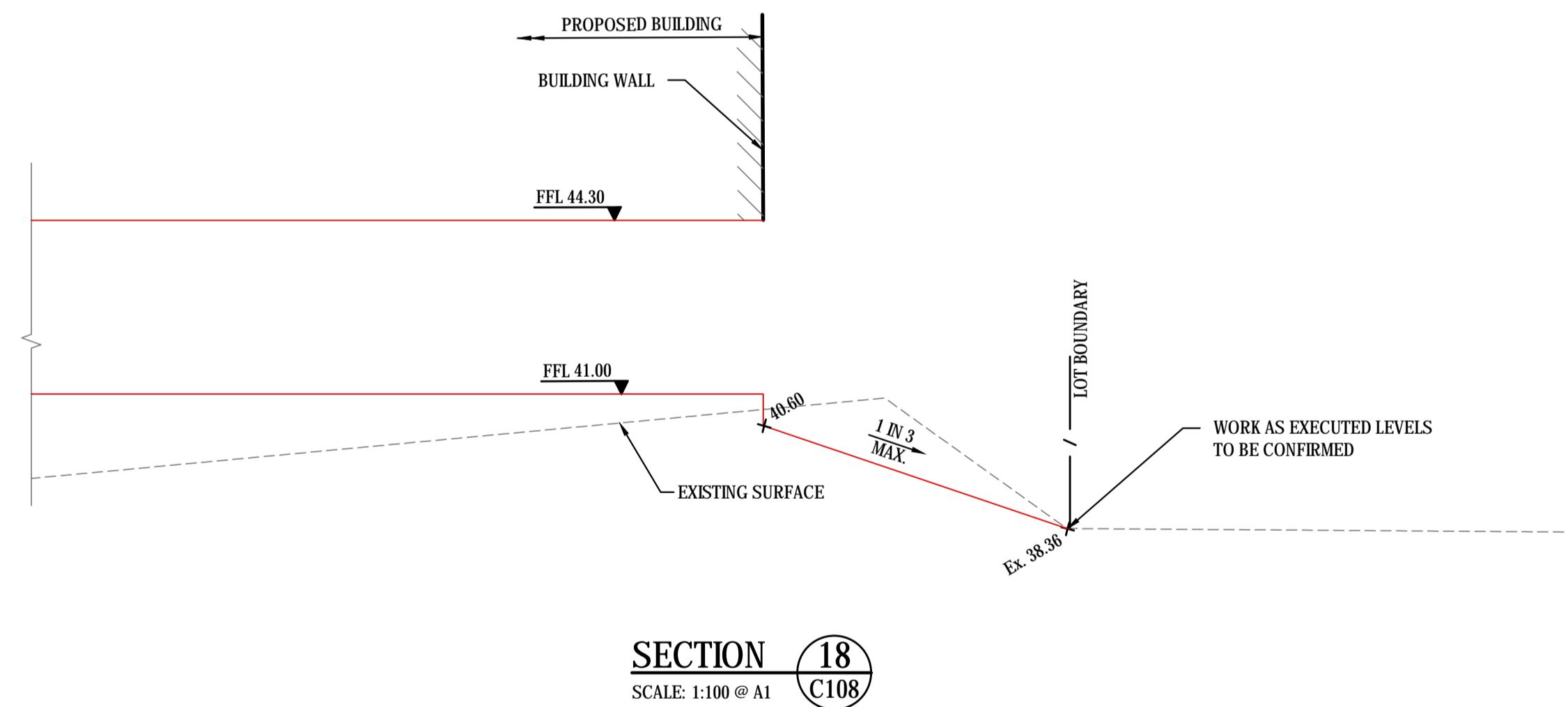
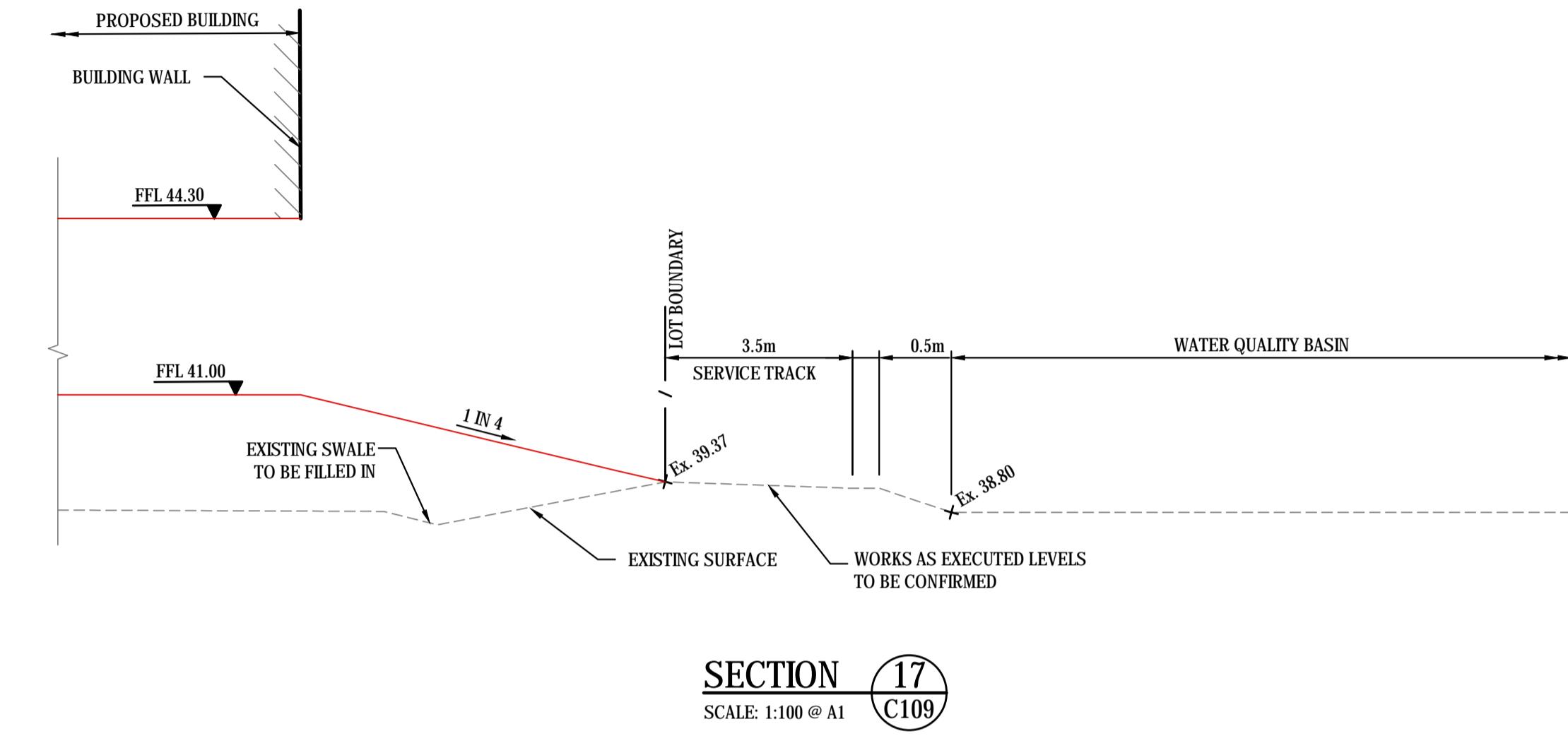
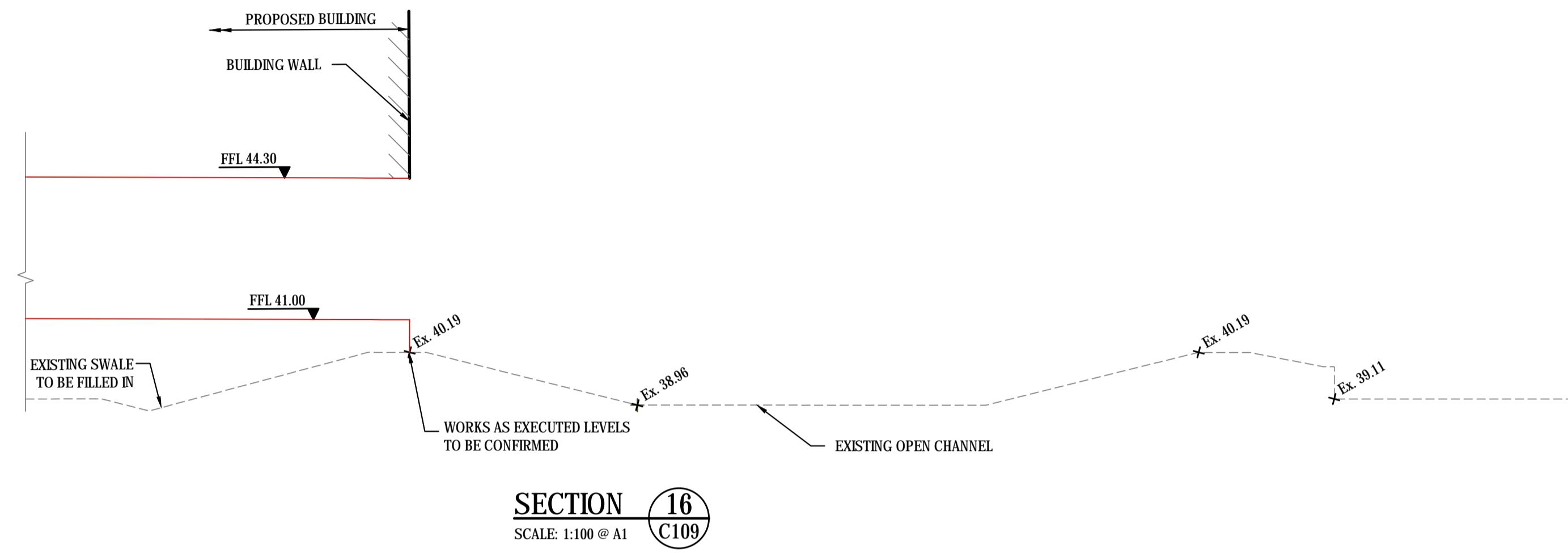
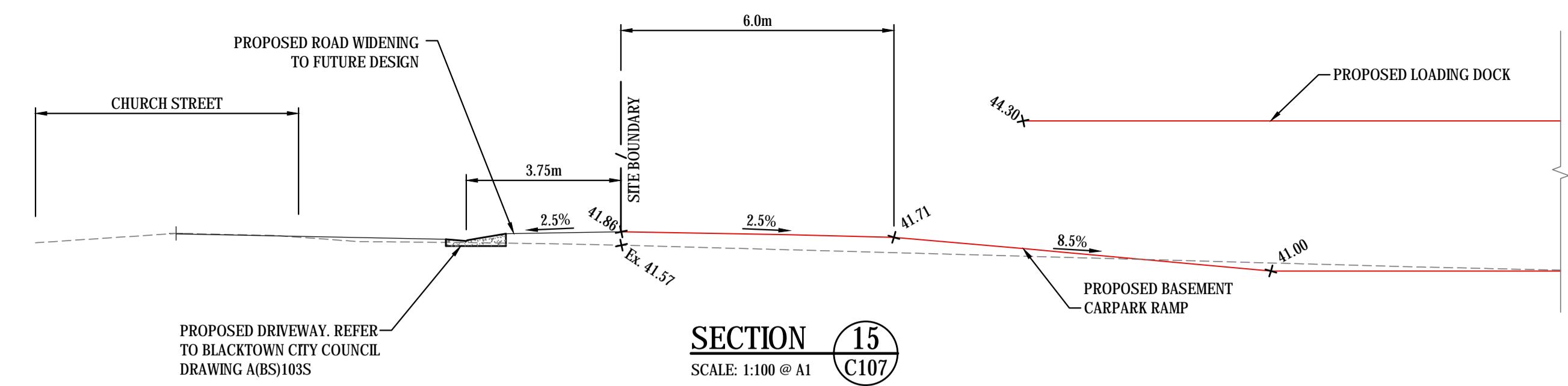
Checked
T.Dempsey
Approved
A.Francis
Scale
1:100 @ A1

Drawing number
20224_DA_C110
Revision
01



CONCEPT

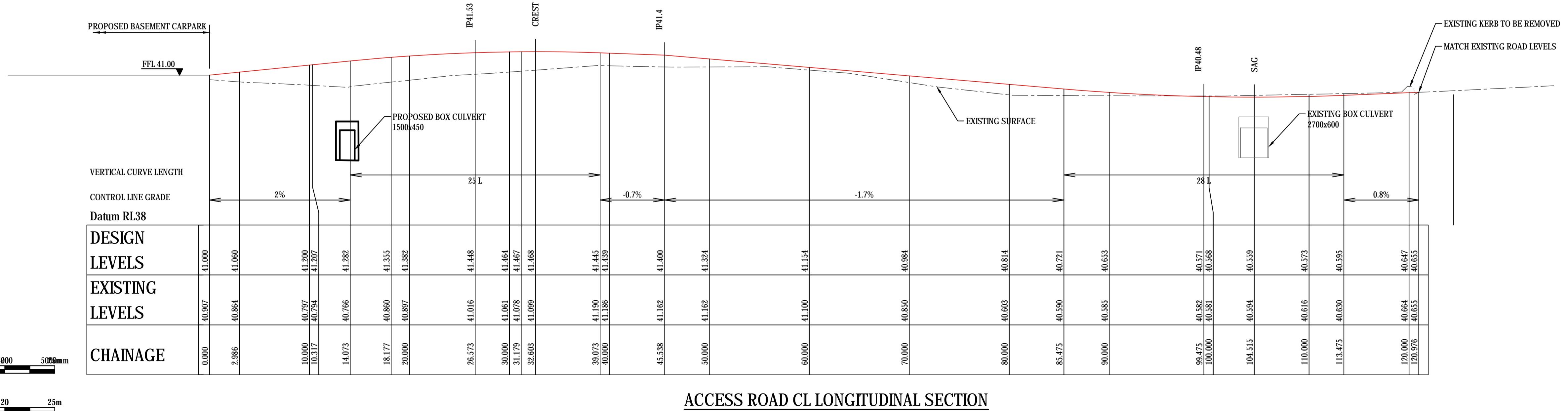
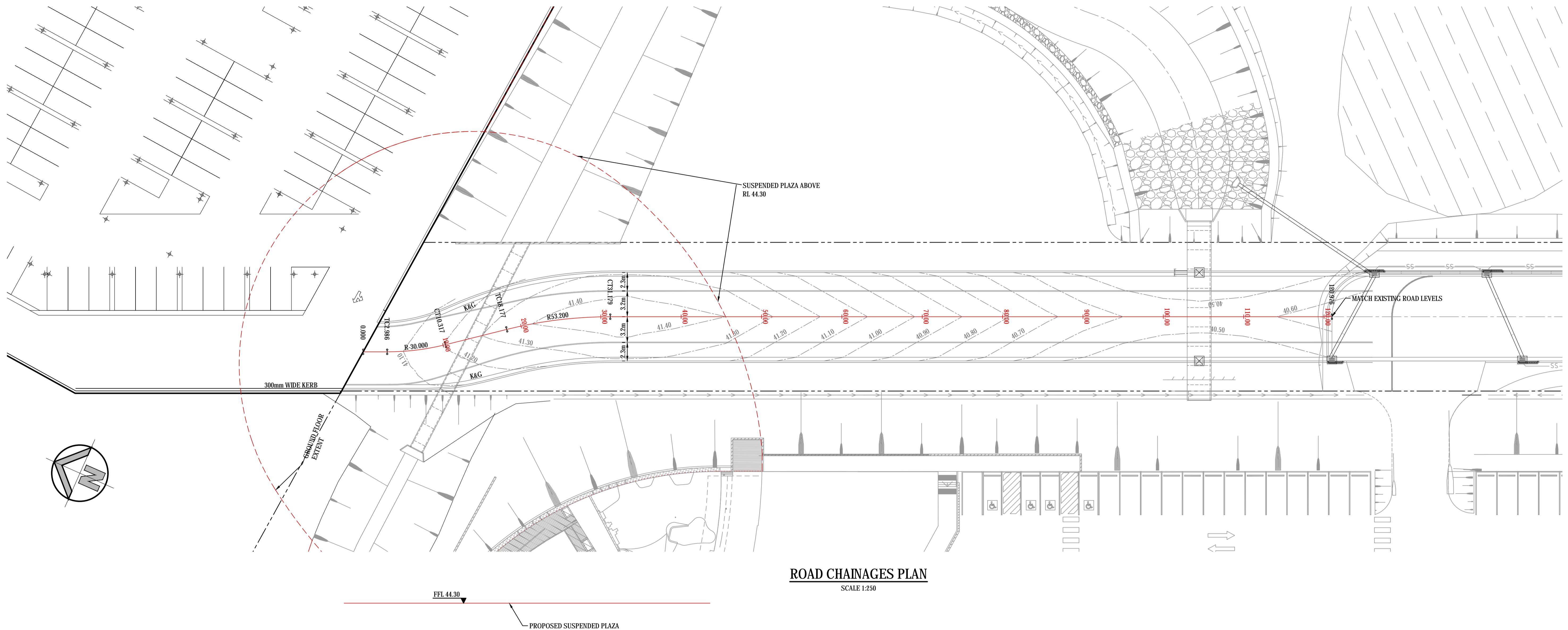
<u>SURVEY INFORMATION</u>		FRASER PROPERTY AUSTRALIA						Client PROPOSED STAGE 3 ECQ PRECINCT				
SURVEYED BY								Telephone +61 2 9417 8400				
DATUM:								Facsimile +61 2 9417 8337				
ORIGIN OF LEVELS:								Email email@hhconsult.com.au				
01 ISSUED FOR INFORMATION		LC	TD	20.11.2020				Web www.henryandhymas.com.au				
REVISION		AMENDMENT		DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	
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i2C ARCHITECTS												
SITE SECTIONS												
SHEET 2 OF 3												
henry&hymas												
Architect								Drawn L.Caha			Designed L.Caha	
								Date MAY 2018				
Project								Checked T.Dempsey			Approved A.Francis	
								Scale 1:100 @ A1				
Title								Drawing number			Revision	
								20224_DA_C111			01	



0 2 4 6 8 10m
2 1
SCALE 1:100

CONCEPT

SURVEY INFORMATION SURVEYED BY DATUM ORIGIN OF LEVELS:	01 ISSUED FOR INFORMATION	LC	TD	20.11.2020	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	Client	Project	Drawn	Designed	Date
														FRASER PROPERTY AUSTRALIA	Suite 2/01 828 Pacific Highway Gordon NSW 2072	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hymas.com.au Web www.hymas.com.au	GlobalMark.com.au	PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW
Architect	I2C ARCHITECTS														Checked	Approved	Scale	
															T.Dempsey	A.Francis	1:100 @ A1	
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																SITE SECTIONS SHEET 3 OF 3	20224_DA_C112	01



CONCEPT		Drawn L.Caha	Designed L.Caha	Date MAY 2018
		Checked T.Dempsey	Approved A.Francis	Scale AS SHOWN @ A1
		Drawing number 20224_DA_C130	Revision 01	
SURVEY INFORMATION SURVEYED BY DATUM ORIGIN OF LEVELS: 01 ISSUED FOR INFORMATION LC TD 20.11.2020 AMENDMENT DRAWN DESIGNED DATE REVISION REVISION AMENDMENT DRAWN DESIGNED DATE		Client FRASER PROPERTY AUSTRALIA Subject I2C ARCHITECTS <small>This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.</small> Suite 2/01, 828 Pacific Highway, Gordon NSW 2072 Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hnyconsult.com.au Web www.henryandhymas.com.au  Project PROPOSED STAGE 3 ECQ PRECINCT ROOTY HILL ROAD SOUTH, EASTERN CREEK NSW Title ACCESS ROAD CL LONG SECTION AND CHAINAGES PLAN Drawn L.Caha Designed L.Caha Date MAY 2018 Checked T.Dempsey Approved A.Francis Scale AS SHOWN @ A1 Drawing number 20224_DA_C130 Revision 01		