

FOODSTUFFS NORTH ISLAND LTD

NEW WORLD KHANDALLAH CAR PARK EXPANSION



712722 DRAWING SCHEDULE

C000 COVER SHEET

EROSION & SEDIMENT CONTROL

C100 EXISTING SITE PLAN
C170 EROSION AND SEDIMENT CONTROL PLAN
C171 EROSION AND SEDIMENT CONTROL DETAILS

EARTHWORKS

C200 PROPOSED CONTOUR PLAN
C201 CUT AND FILL PLAN
C205 SITE SECTIONS
C210 EARTHWORKS SITE SECTION LOCATION PLAN
C211 EARTHWORKS SITE CROSS SECTIONS

SITE

C300 ACCESSWAY PLAN
C301 ACCESSWAY LONG SECTIONS
C302 TYPICAL CARPARK CROSS SECTIONS
C303 ROADING CONSTRUCTION DETAILS

DRAINAGE, WATER & UTILITY

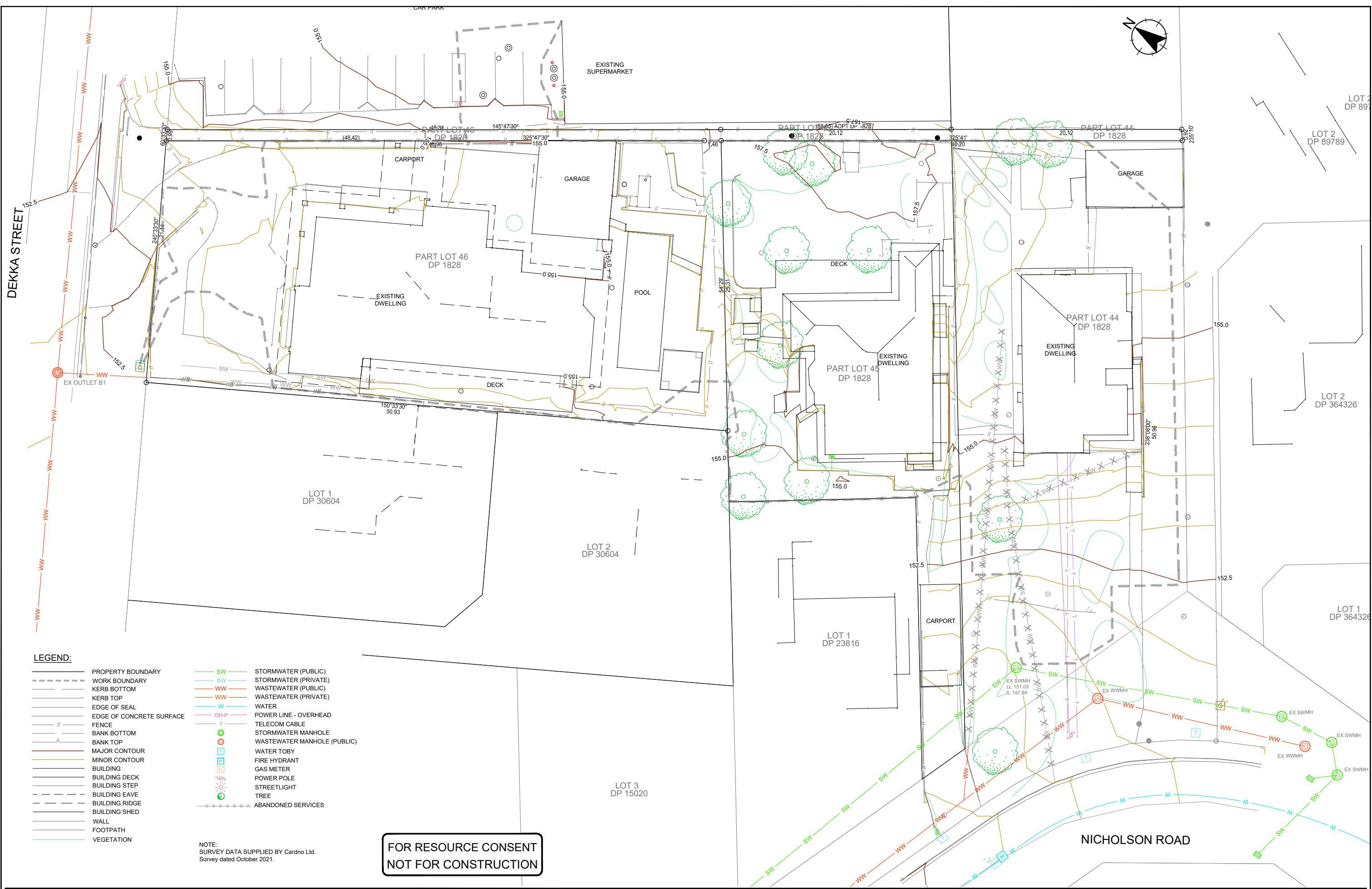
C400 STORMWATER RETICULATION PLAN
C401 STORMWATER CATCHMENT PLAN
C405 STORMWATER LONG SECTIONS
C800 STANDARD DETAILS SHEET1

NOTE:

Due to COVID restrictions, Concept Design has been undertaken using latest information sourced from Wellington City Council GIS Viewer or supplied by others which has not been ground truthed/verified on site. Existing site levels and peripheral boundary heights are subject to field survey. Other Services are subject to verification by underground location/detection providers.

FOR RESOURCE CONSENT
NOT FOR CONSTRUCTION

Advisory
Surveying
Urban Development
Infrastructure Buildings
Structural Engineering
Civil Engineering



LEGEND:

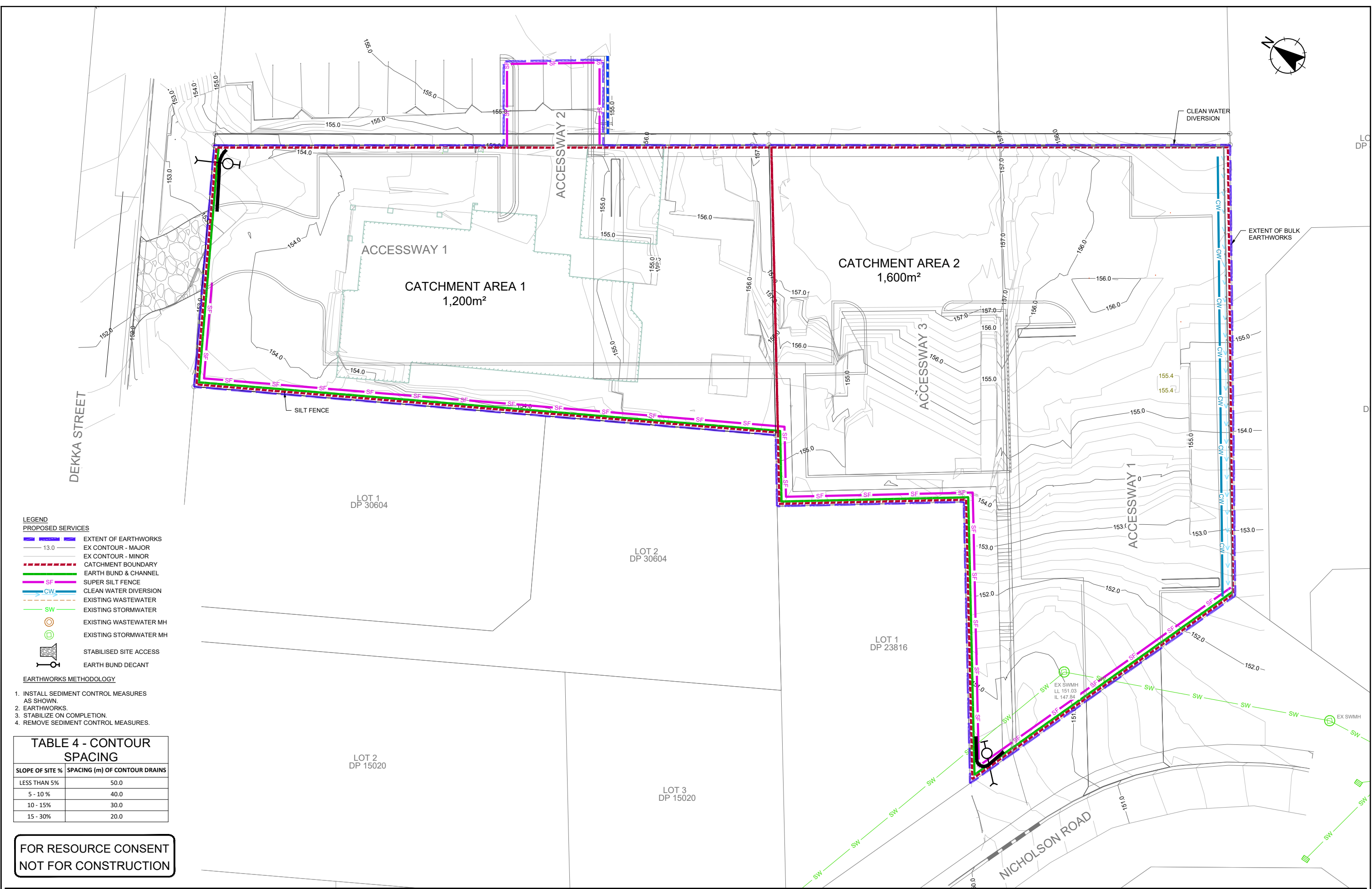
---	PROPERTY BOUNDARY	---	STORMWATER (PUBLIC)
---	WORK BOUNDARY	---	STORMWATER (PRIVATE)
---	KERB BOTTOM	---	WASTEWATER (PUBLIC)
---	KERB TOP	---	WASTEWATER (PRIVATE)
---	EDGE OF SEAL	---	WATER
---	EDGE OF CONCRETE SURFACE	---	POWER LINE - OVERHEAD
---	FENCE	---	TELECOM CABLE
---	BANK BOTTOM	---	STORMWATER MANHOLE
---	BANK TOP	---	WASTEWATER MANHOLE (PUBLIC)
---	MAJOR CONTOUR	---	WATER TOBY
---	MINOR CONTOUR	---	FIRE HYDRANT
---	BUILDING	---	GAS METER
---	BUILDING DECK	---	POWER POLE
---	BUILDING STEP	---	STREETLIGHT
---	BUILDING EAVE	---	TREE
---	BUILDING RIDGE	---	ABANDONED SERVICES
---	BUILDING SHED		
---	WALL		
---	FOOTPATH		
---	VEGETATION		

NOTE:
SURVEY DATA SUPPLIED BY Cardno Ltd.
Survey dated October 2021.

**FOR RESOURCE CONSENT
NOT FOR CONSTRUCTION**

0 FOR RESOURCE CONSENT Revision	RT 21.04.22 App Date	Dec-21 Dec-21 Dec-21 Dec-21	Client FOODSTUFFS NORTH ISLAND LTD	Project Title NEW WORLD KHANDALLAH CAR PARK EXPANSION	Sheet Title EXISTING SITE PLAN	Level 5, Building 3 666 Great South Road Eilerslie Auckland 1051 +64 9 525 9770 calibregroup.com		Scale (A1 Original) 1:150 (A3) 1:300
	Surveyed SW Designed SW Drawn YW Reviewed RD Approved RT	Project No 712722	Sheet C100	Revision 0				

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- LEGEND**
- PROPOSED SERVICES**
- EXTENT OF EARTHWORKS
 - EX CONTOUR - MAJOR
 - EX CONTOUR - MINOR
 - - - CATCHMENT BOUNDARY
 - EARTH BUND & CHANNEL
 - SF SUPER SILT FENCE
 - CW CLEAN WATER DIVERSION
 - EXISTING WASTEWATER
 - EXISTING STORMWATER
 - EXISTING WASTEWATER MH
 - EXISTING STORMWATER MH
 - STABILISED SITE ACCESS
 - EARTH BUND DECANT
- EARTHWORKS METHODOLOGY**
1. INSTALL SEDIMENT CONTROL MEASURES AS SHOWN.
 2. EARTHWORKS.
 3. STABILIZE ON COMPLETION.
 4. REMOVE SEDIMENT CONTROL MEASURES.

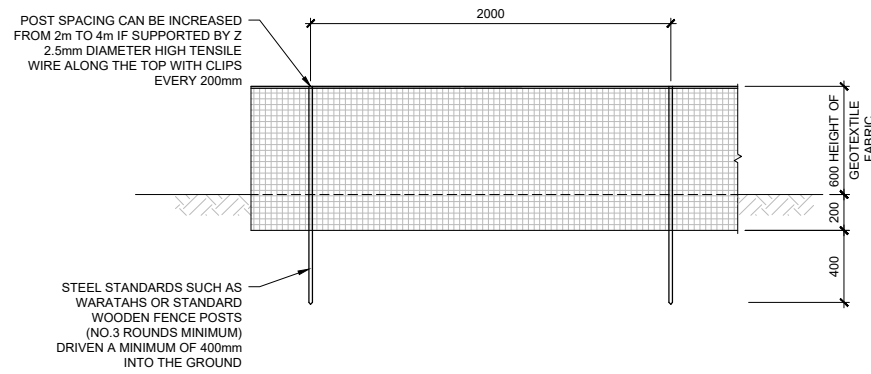
TABLE 4 - CONTOUR SPACING

SLOPE OF SITE %	SPACING (m) OF CONTOUR DRAINS
LESS THAN 5%	50.0
5 - 10 %	40.0
10 - 15%	30.0
15 - 30%	20.0

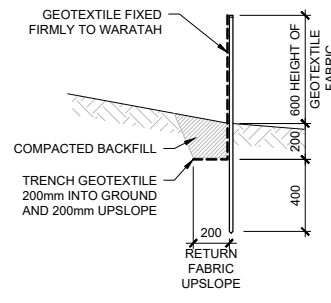
**FOR RESOURCE CONSENT
NOT FOR CONSTRUCTION**

<p>1 LAYOUT UPDATED RT 23.08.23</p> <p>0 FOR RESOURCE CONSENT RT 21.04.22</p> <p>Revision App Date Approved RT Dec-21</p>	<p>Surveyed SW Dec-21</p> <p>Designed YW/KD Dec-21</p> <p>Drawn RD Dec-21</p> <p>Reviewed RT Dec-21</p> <p>Approved RT Dec-21</p>	<p>Client FOODSTUFFS NORTH ISLAND LTD</p>	<p>Project Title NEW WORLD KHANDALLAH CAR PARK EXPANSION</p>	<p>Sheet Title EROSION AND SEDIMENT CONTROL PLAN</p>	<p>Level 5, Building 3 666 Great South Road Eilerslie Auckland 1051 +64 9 525 9770 calibregroup.com</p>		<p>Scale (A1 Original) 1:150 (A3) 1:300</p>  <p>Project No 712722 Sheet C170 Revision 1</p>
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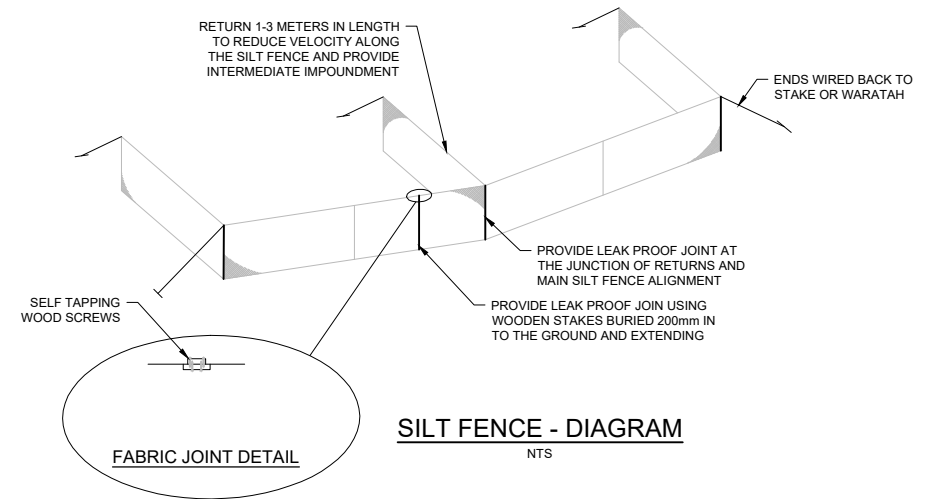
ELEVATION



SECTION

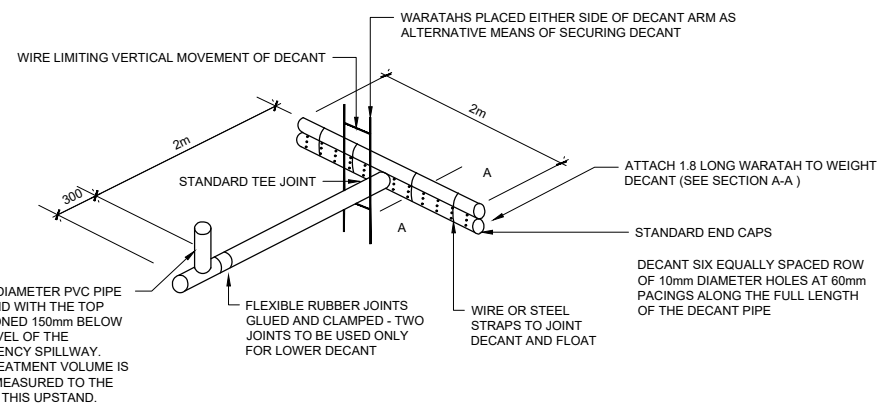
SILT FENCE WITH RETURNS AND SUPPORT WIRE

1:20 @ A1



SILT FENCE - DIAGRAM

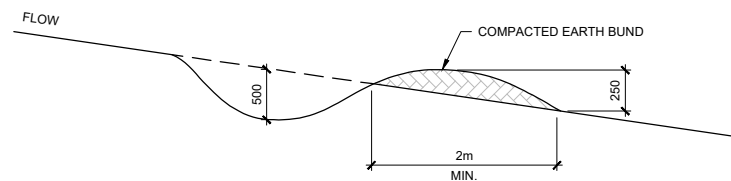
NTS



SECTION A-A

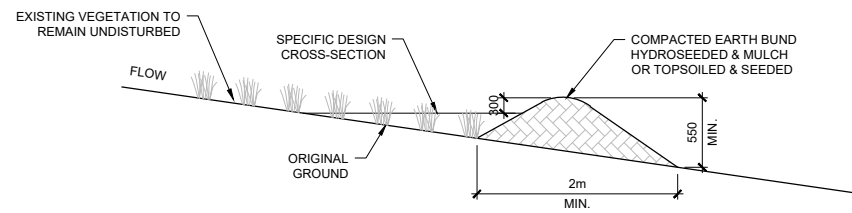
T-BAR DECANT DETAIL

NTS



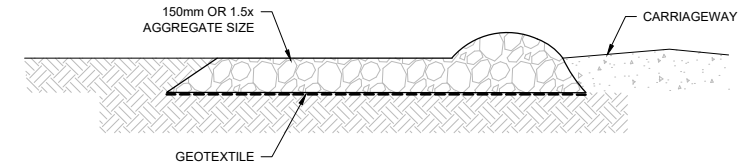
CONTOUR DRAIN

NTS



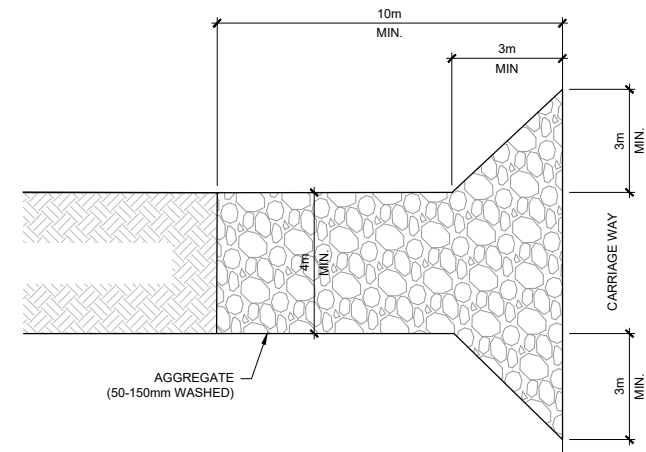
CLEAN WATER RUN OFF DIVERSION BUND

NTS



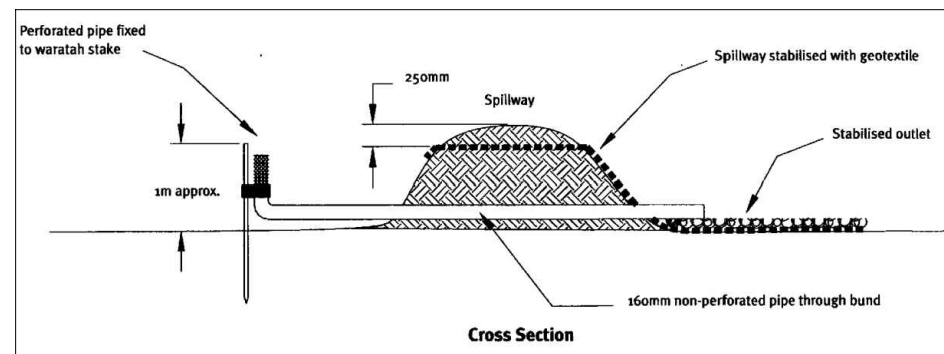
ELEVATION STABILISED SITE ACCESS ENTRANCE

NTS



TYPICAL PLAN STABILISED SITE ACCESS ENTRANCE

NTS



Cross Section

EARTH BUND

N.T.S

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Revision	App	Date	Approved	RT	Dec-21
0	RT	21.04.22			

Client
**FOODSTUFFS
NORTH ISLAND LTD**

Project Title
**NEW WORLD
KHANDALLAH
CAR PARK EXPANSION**

Sheet Title
**EROSION AND
SEDIMENT CONTROL
DETAILS**

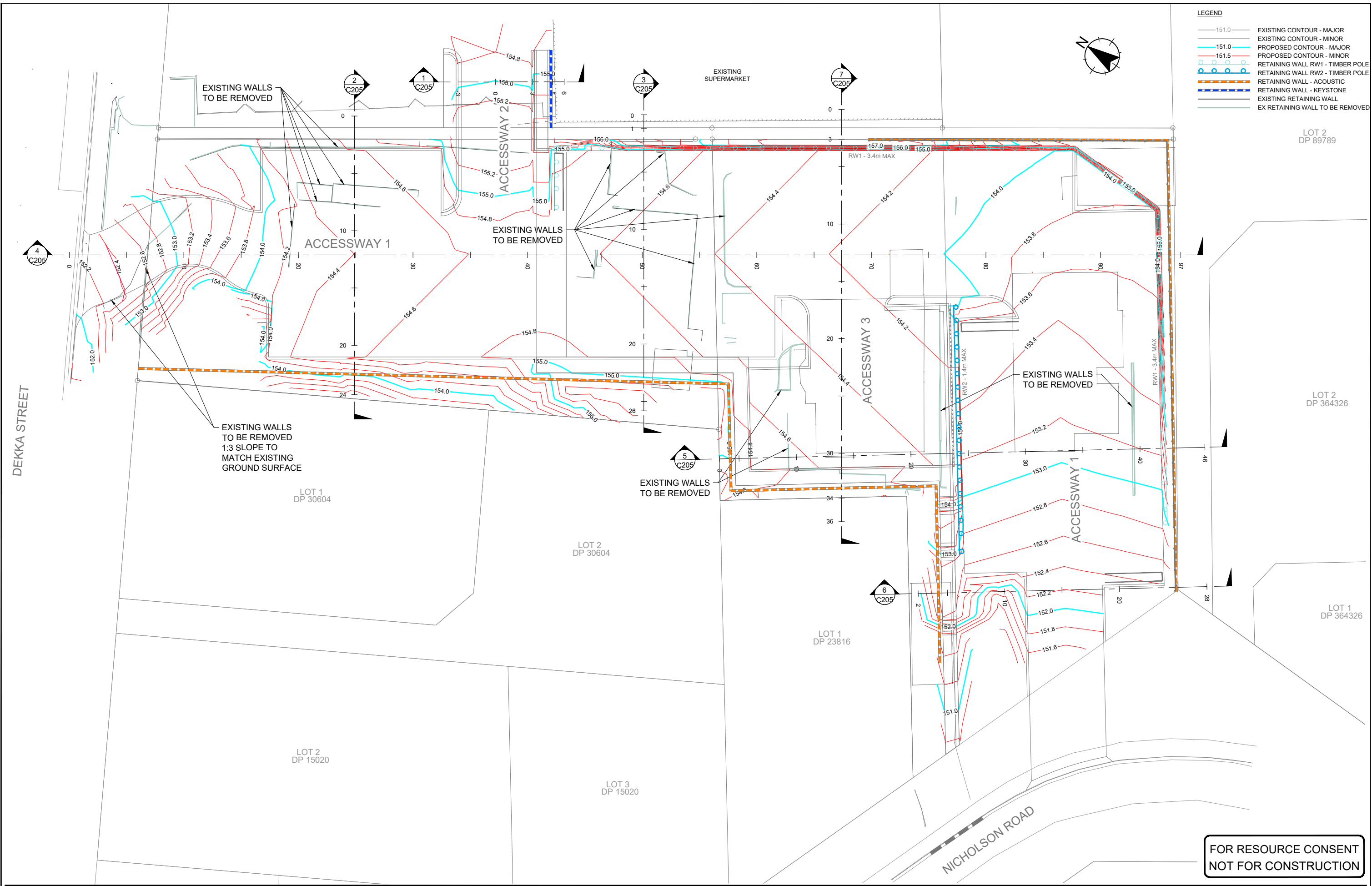
Level 5, Building 3
866 Great South Road
Eilerslie
Auckland 1051
+64 9 525 9770
calibregroup.com



Scale (A1 Original) 1: (A3) 1:

Project No	Sheet	Revision
712722	C171	0

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LEGEND

— 151.0 —	EXISTING CONTOUR - MAJOR
— 151.0 —	EXISTING CONTOUR - MINOR
— 151.5 —	PROPOSED CONTOUR - MAJOR
— 151.5 —	PROPOSED CONTOUR - MINOR
	RETAINING WALL RW1 - TIMBER POLE
	RETAINING WALL - ACOUSTIC
	RETAINING WALL - KEYSTONE
	EXISTING RETAINING WALL
	EX RETAINING WALL TO BE REMOVED

**FOR RESOURCE CONSENT
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Revision	App	Date	Approved	RT	Dec-21
2 LAYOUT UPDATED	RT	23.08.23	Designed	SW	Dec-21
1 CONTOURS UPDATED	RT	29.08.22	Drawn	YW/KD	Dec-21
0 FOR RESOURCE CONSENT	RT	21.04.22	Reviewed	RD	Dec-21

Client
FOODSTUFFS
NORTH ISLAND LTD

Project Title
NEW WORLD
KHANDALLAH
CAR PARK EXPANSION

Sheet Title
ERARTHWORKS
PROPOSED CONTOUR PLAN

Level 5, Building 3
866 Great South Road
Eilerslie
Auckland 1051
+64 9 525 9770
calibregroup.com

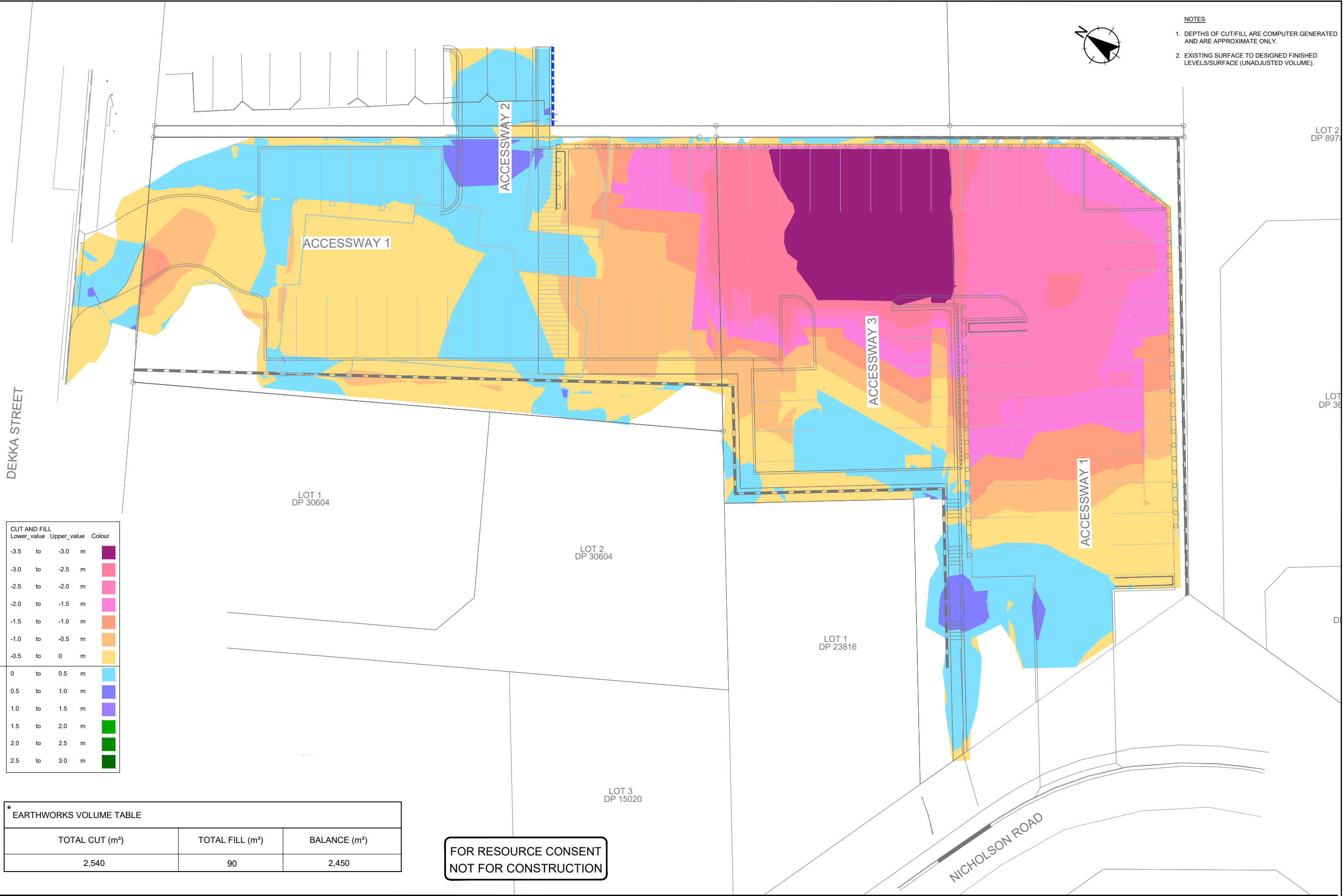


Scale (A1 Original) 1:150	(A3) 1:300	
Project No 712722	Sheet C200	Revision 2

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- NOTES**
1. DEPTHS OF CUT/FILL ARE COMPUTER GENERATED AND ARE APPROXIMATE ONLY.
 2. EXISTING SURFACE TO DESIGNED FINISHED LEVELS/SURFACE (UNADJUSTED VOLUME).



CUT AND FILL

Lower_value	Upper_value	Colour
-3.5	-3.0	Dark Purple
-3.0	-2.5	Red-Orange
-2.5	-2.0	Orange
-2.0	-1.5	Light Orange
-1.5	-1.0	Yellow-Orange
-1.0	-0.5	Yellow
-0.5	0	Light Yellow
0	0.5	Light Blue
0.5	1.0	Blue
1.0	1.5	Light Blue
1.5	2.0	Light Green
2.0	2.5	Green
2.5	3.0	Dark Green

↑ CUT
↓ FILL

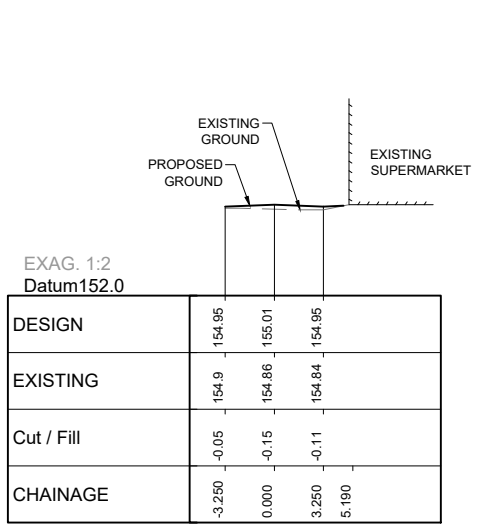
*** EARTHWORKS VOLUME TABLE**

TOTAL CUT (m³)	TOTAL FILL (m³)	BALANCE (m³)
2,540	90	2,450

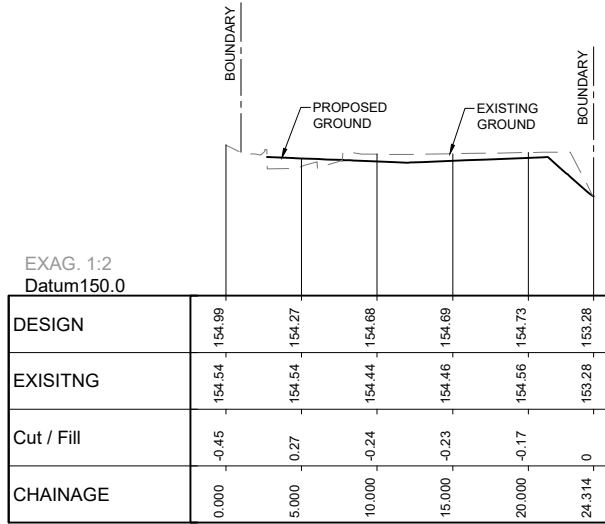
**FOR RESOURCE CONSENT
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2 LAYOUT UPDATED RT 23.08.23 1 CUT AREA UPDATED RT 29.08.22 0 FOR RESOURCE CONSENT RT 21.04.22 Revision App Date Approved RT Dec-21	Surveyed SW Dec-21 Designed SW Dec-21 Drawn YW/KD Dec-21 Reviewed RD Dec-21 App Date Approved RT Dec-21	Client FOODSTUFFS NORTH ISLAND LTD	Project Title NEW WORLD KHANDALLAH CAR PARK EXPANSION	Sheet Title ERARTHWORKS CUT AND FILL PLAN	Level 5, Building 3 666 Great South Road Eilerslie Auckland 1051 +64 9 525 9770 calibregroup.com		Scale (A1 Original) 1:150 (A3) 1:300 Project No 712722 Sheet C201 Revision 2
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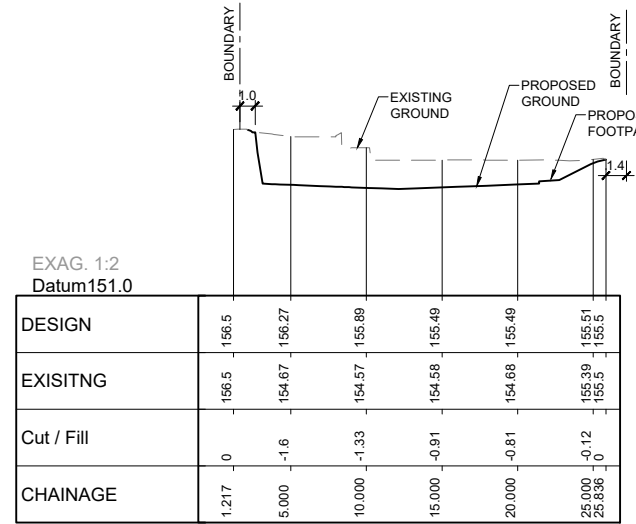
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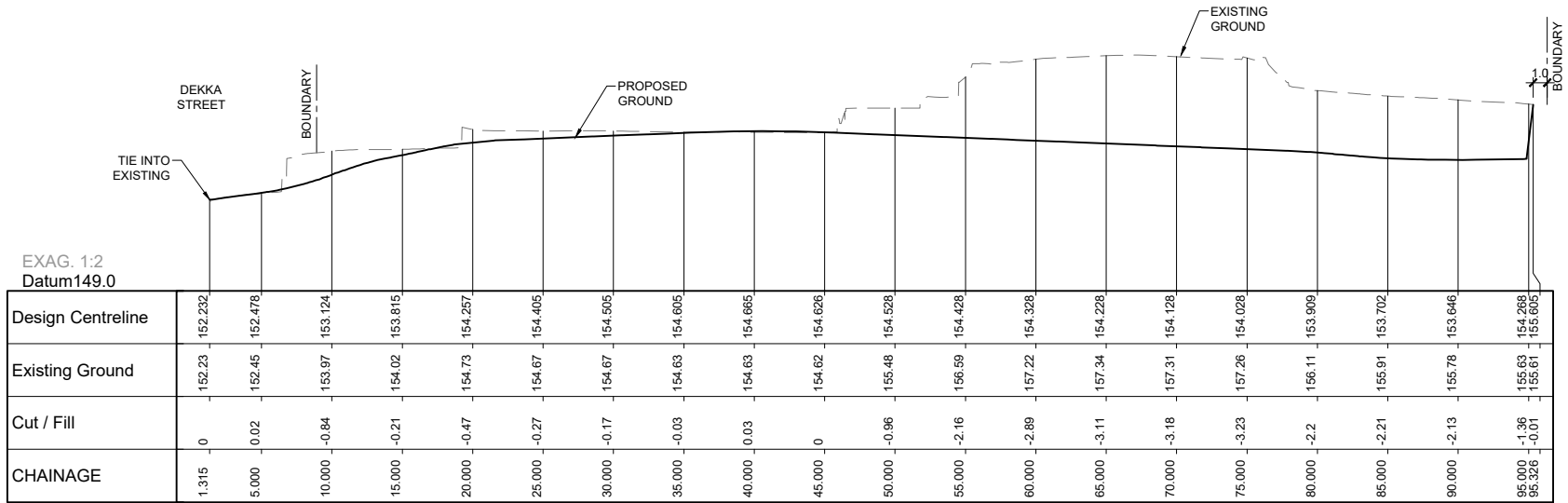
EARTHWORKS SECTION 1
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



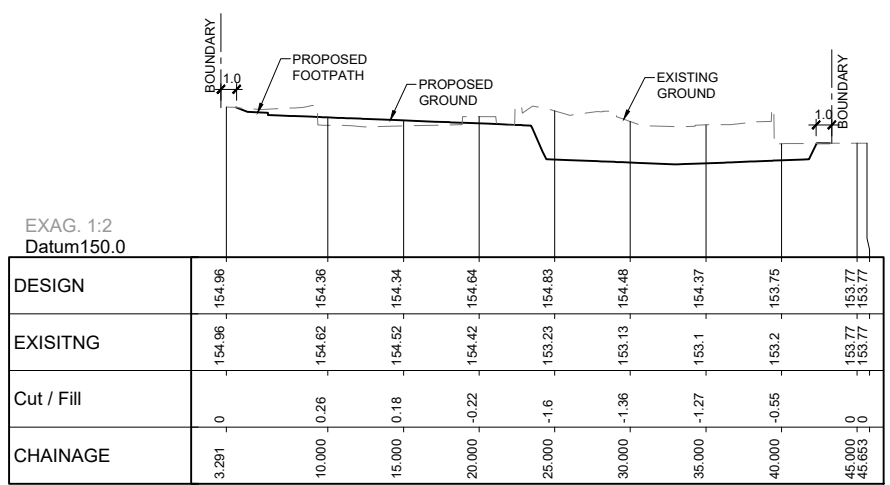
EARTHWORKS SECTION 2
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



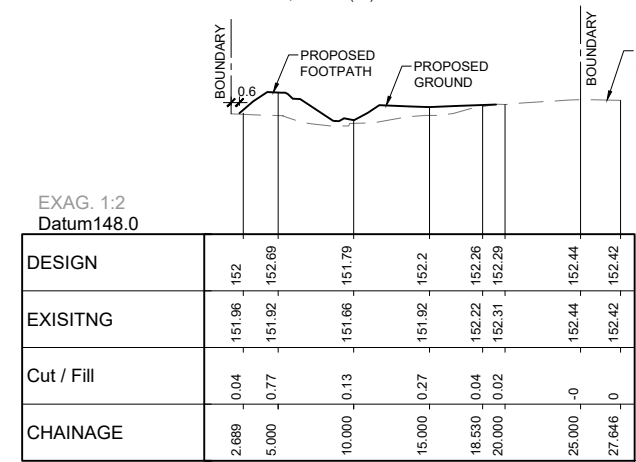
EARTHWORKS SECTION 3
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



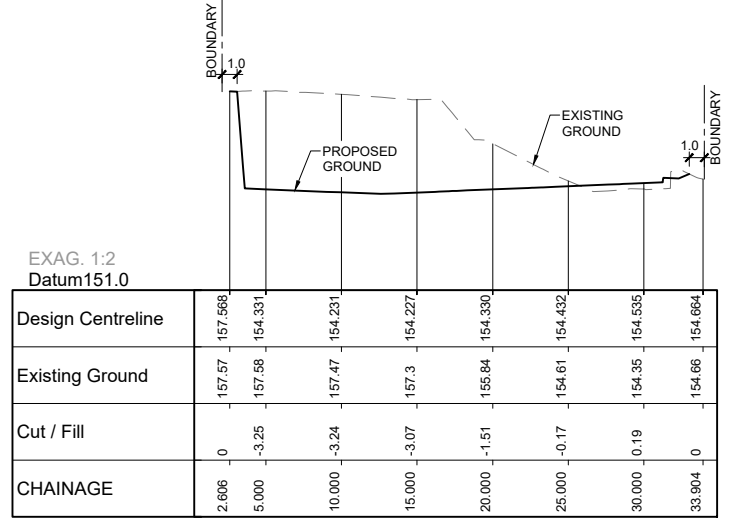
EARTHWORKS SECTION 4
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



EARTHWORKS SECTION 5
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



EARTHWORKS SECTION 6
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)



EARTHWORKS SECTION 7
 H 1:250, V 1:125 (A1)
 H 1:500, V 1:250 (A3)

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1 SECTION 7 ADDED	RT	23.08.23	Designed	SW	Dec-21
0 FOR RESOURCE CONSENT	RT	21.04.22	Drawn	YW/KD	Dec-21
	App		Reviewed	RD	Dec-21
	Date		Approved	RT	Dec-21

Client
 FOODSTUFFS
 NORTH ISLAND LTD

Project Title
 NEW WORLD
 KHANDALLAH
 CAR PARK EXPANSION

Sheet Title
 ERARTHWORKS
 SITE SECTIONS

Level 5, Building 3
 666 Great South Road
 Ellerslie
 Auckland 1051
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 calibregroup.com



Scale (A1 Original) 1:250 (A3) 1:500

Project No	712722
Sheet	C205
Revision	1

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- LEGEND**
- RETAINING WALL - TIMBER POLE
 - WALL - ACOUSTIC
 - WALL - KEYSTONE
 - PR SUBSOIL DRAIN
 - EX WALL TO BE REMOVED

RW1
LOT 2
DP 89789

LOT 2
DP 364326

LOT 1
DP 36432

LOT 1
DP 30604

LOT 2
DP 30604

LOT 1
DP 23816

LOT 2
DP 15020

LOT 3
DP 15020

**FOR RESOURCE CONSENT
NOT FOR CONSTRUCTION**

Revision	Date	App	Reviewed	Drawn	Designed	Surveyed
1 LAYOUT UPDATED	23.08.23	RT	SW	SW	SW	SW
0 FOR RESOURCE CONSENT	21.04.22	RT	RD	RD	RD	RD

Client
FOODSTUFFS
NORTH ISLAND LTD

Project Title
NEW WORLD
KHANDALLAH
CAR PARK EXPANSION

Sheet Title
RETAINING WALL PLAN

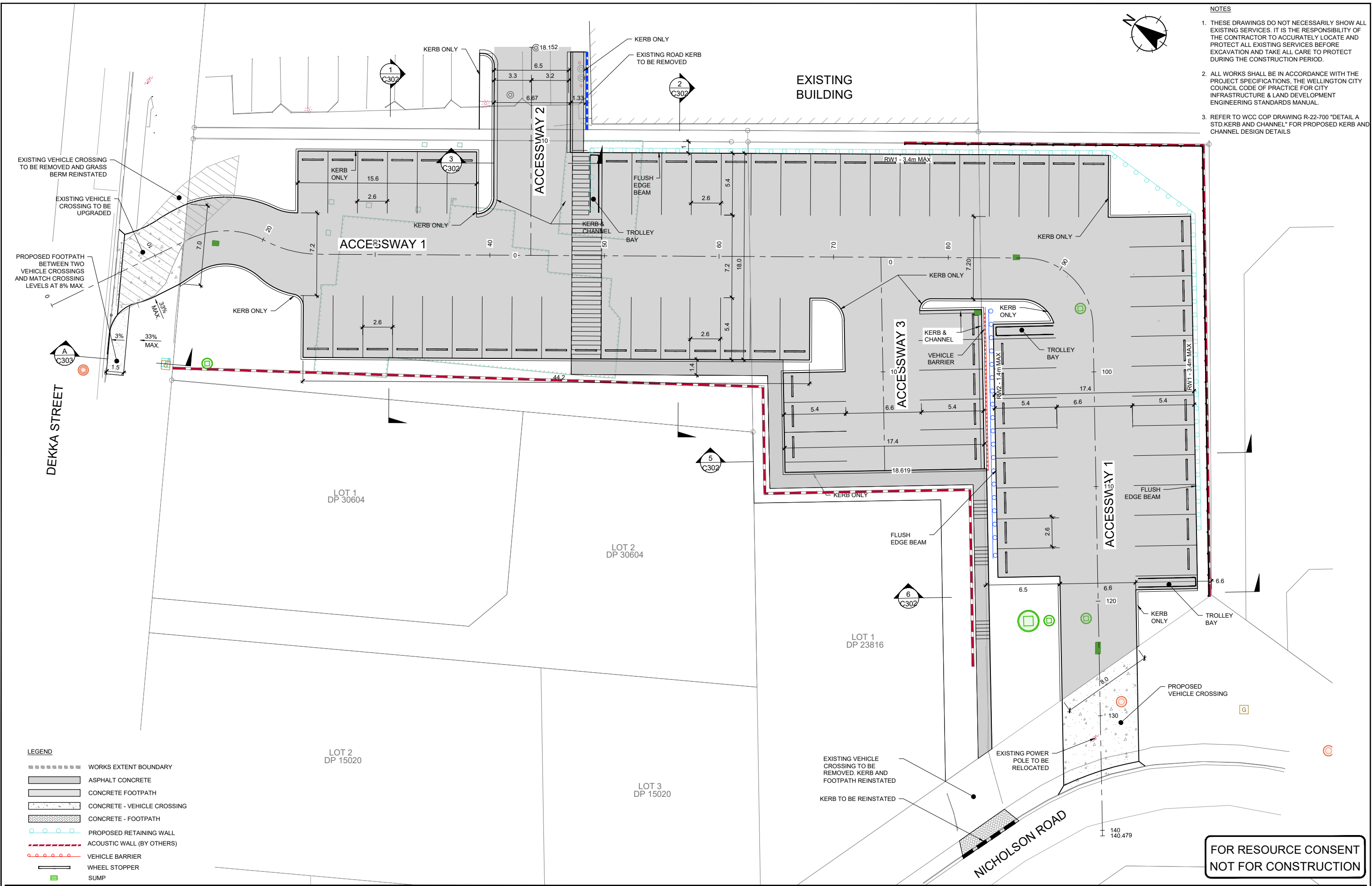
Level 5, Building 3
666 Great South Road
Eilerslie
Auckland 1051
+64 9 525 9770
calibregroup.com



Scale (A1 Original) 1:150 (A3) 1:300

Project No 712722 Sheet C210 Revision 1

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- NOTES**
1. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES BEFORE EXCAVATION AND TAKE ALL CARE TO PROTECT DURING THE CONSTRUCTION PERIOD.
 2. ALL WORKS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE WELLINGTON CITY COUNCIL CODE OF PRACTICE FOR CITY INFRASTRUCTURE & LAND DEVELOPMENT ENGINEERING STANDARDS MANUAL.
 3. REFER TO WCC COP DRAWING R-22-700 "DETAIL A STD KERB AND CHANNEL" FOR PROPOSED KERB AND CHANNEL DESIGN DETAILS

LEGEND

	WORKS EXTENT BOUNDARY
	ASPHALT CONCRETE
	CONCRETE FOOTPATH
	CONCRETE - VEHICLE CROSSING
	CONCRETE - FOOTPATH
	PROPOSED RETAINING WALL
	ACOUSTIC WALL (BY OTHERS)
	VEHICLE BARRIER
	WHEEL STOPPER
	SUMP

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NOT FOR CONSTRUCTION**

Revision	App	Date	Approved	RT	Dec-21
2 LAYOUT UPDATED	RT	23.08.23	Designed	SW	Dec-21
1 DETAILS ADDED	RT	29.08.22	Drawn	YW/KD	Dec-21
0 FOR RESOURCE CONSENT	RT	21.04.22	Reviewed	RD	Dec-21

Client
FOODSTUFFS
NORTH ISLAND LTD

Project Title
NEW WORLD
KHANDALLAH
CAR PARK EXPANSION

Sheet Title
ACCESSWAY PLAN

Level 5, Building 3
666 Great South Road
Eilerslie
Auckland 1051
+64 9 525 9770
calibregroup.com

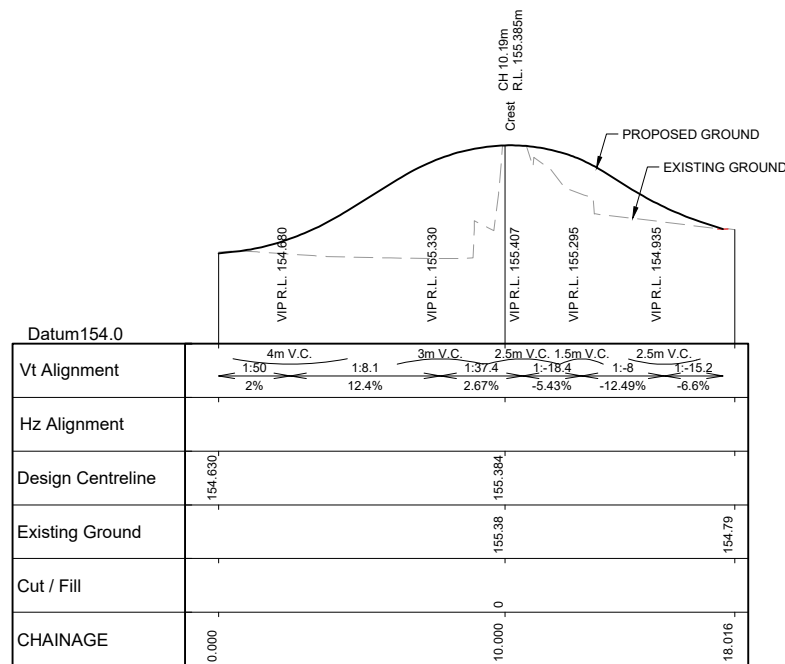


Scale (A1 Original) 1:150	(A3) 1:300	
Project No 712722	Sheet C300	Revision 2

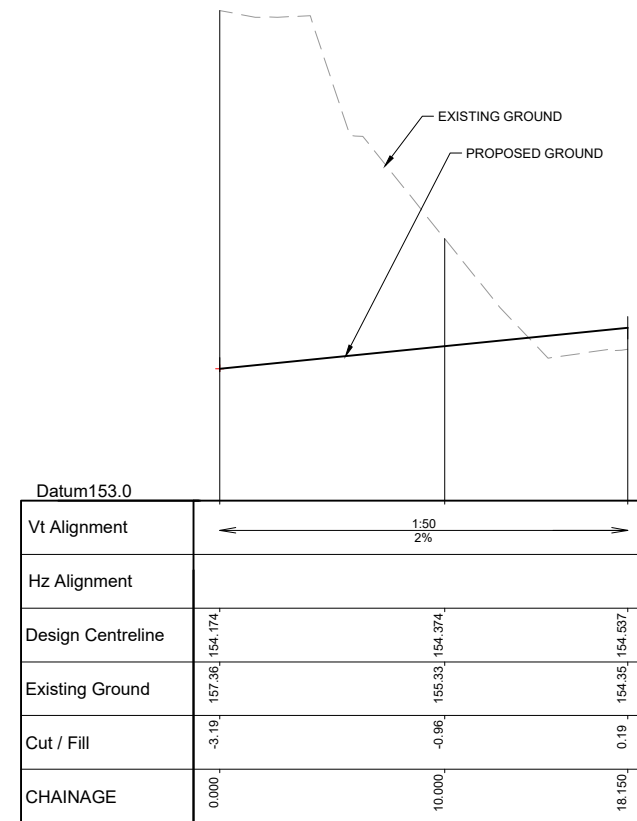
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LEGEND

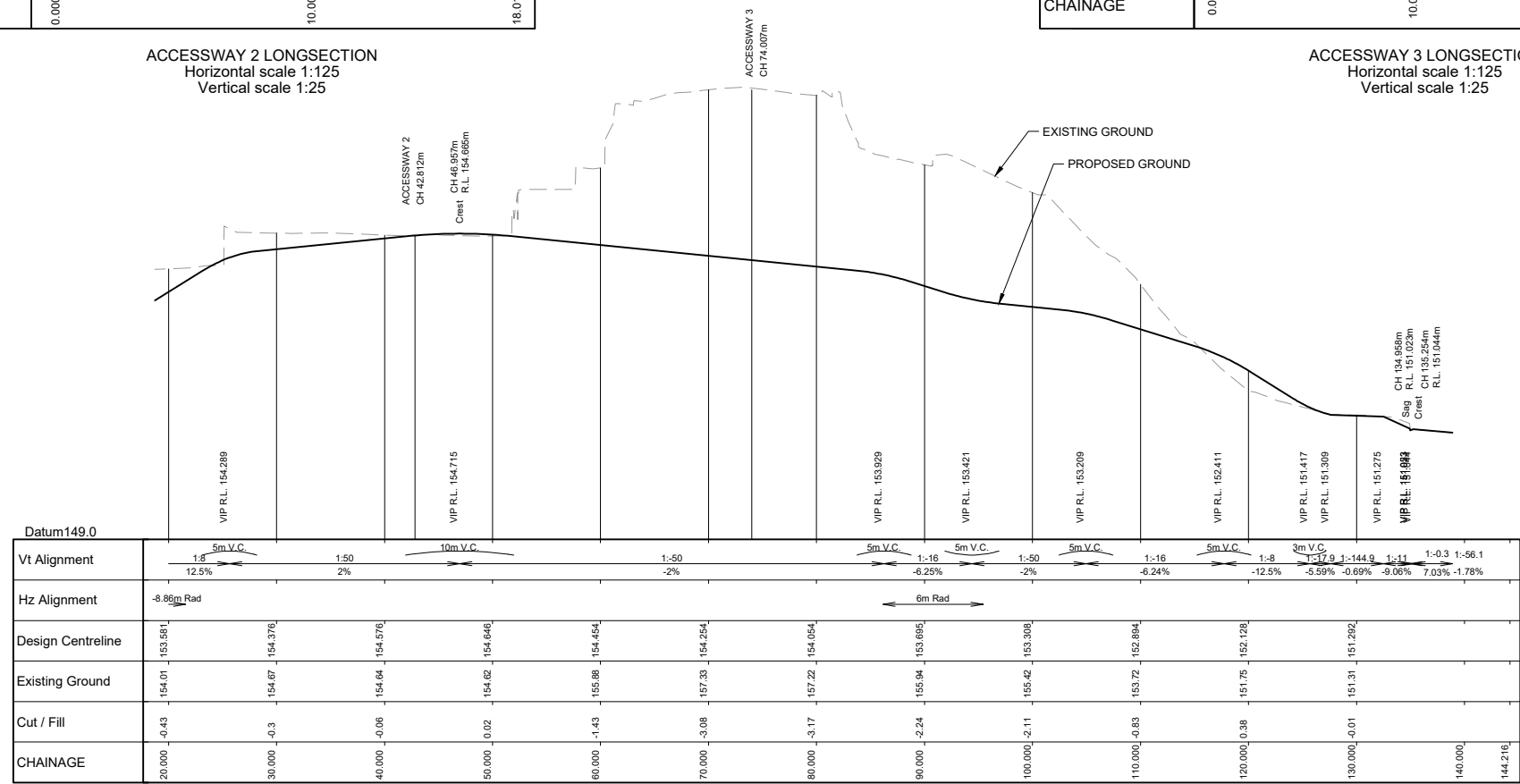
— EXISTING GROUND LEVEL
 — FINISHED GROUND LEVEL



ACCESSWAY 2 LONGSECTION
 Horizontal scale 1:125
 Vertical scale 1:25



ACCESSWAY 3 LONGSECTION
 Horizontal scale 1:125
 Vertical scale 1:25



ACCESSWAY 1 LONGSECTION
 Horizontal scale 1:250
 Vertical scale 1:50

FOR RESOURCE CONSENT
 NOT FOR CONSTRUCTION

0 FOR RESOURCE CONSENT	RT	21.04.22	App	Date	Approved	RT	Dec-21
Designed	SW						Dec-21
Drawn	YW						Dec-21
Reviewed	RD						Dec-21
Approved	RT						Dec-21

Client
**FOODSTUFFS
 NORTH ISLAND LTD**

Project Title
**NEW WORLD
 KHANDALLAH
 CAR PARK EXPANSION**

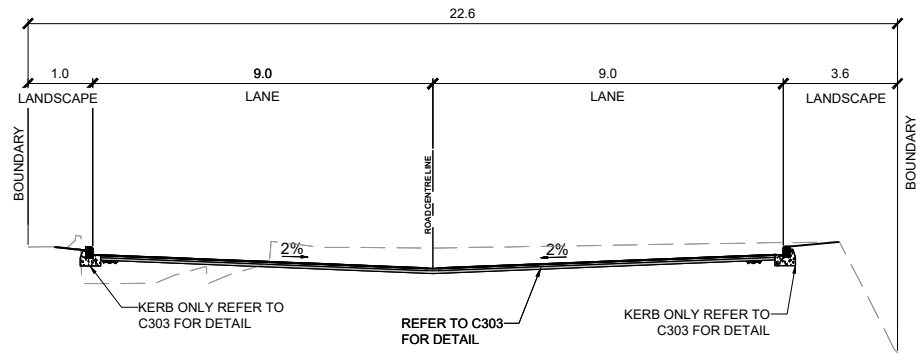
Sheet Title
**ACCESSWAY
 LONG SECTIONS**

Level 5, Building 3
 666 Great South Road
 Epsom
 Auckland 1051
 +64 9 525 9770
 calibregroup.com

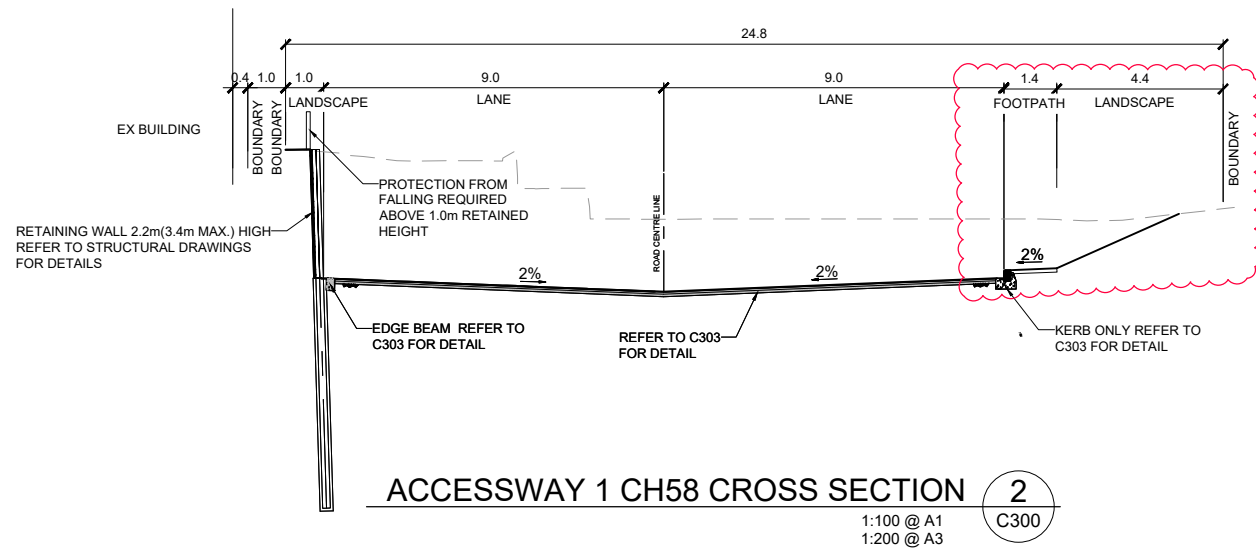


Scale (A1 Original)	1:1000	(A3) 1:2000
Project No	712722	Sheet
		C301
Revision		0

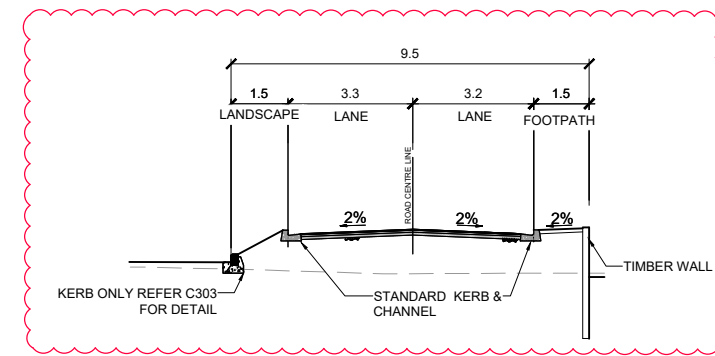
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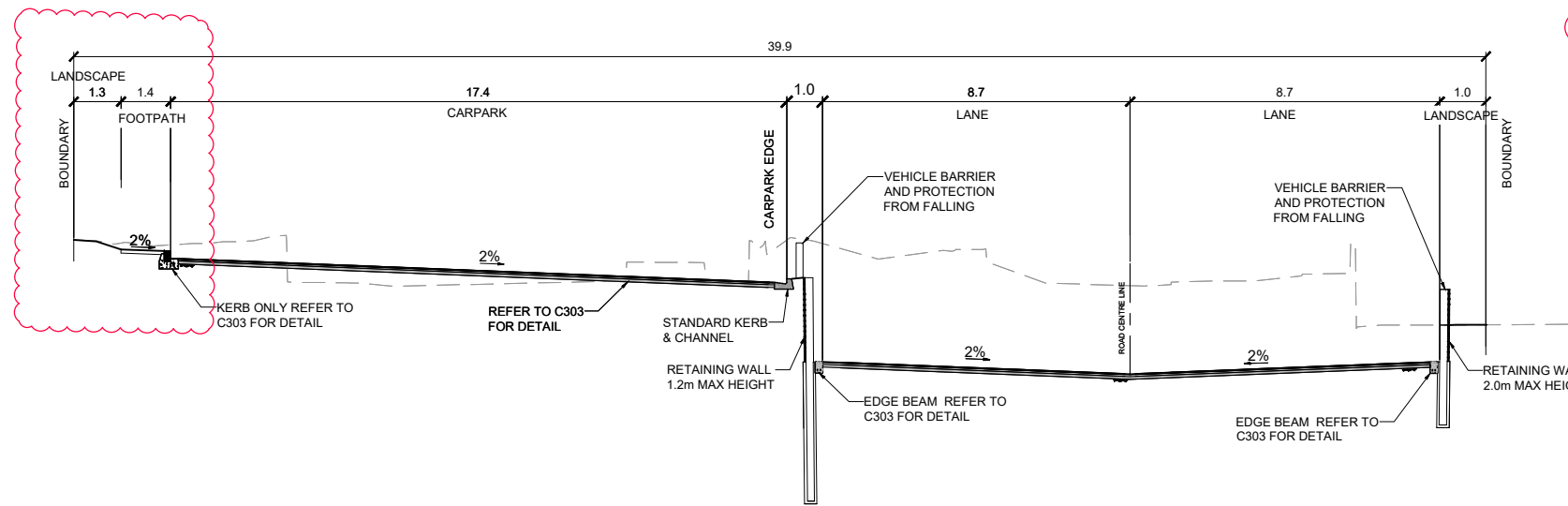
ACCESSWAY 1 CH32 CROSS SECTION 1
 1:100 @ A1
 1:200 @ A3
 C300



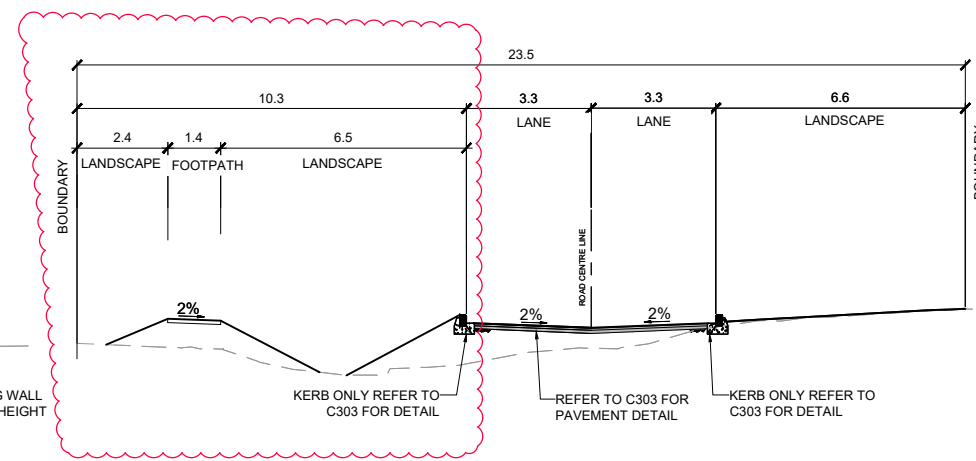
ACCESSWAY 1 CH58 CROSS SECTION 2
 1:100 @ A1
 1:200 @ A3
 C300



ACCESSWAY 2 CH12 CROSS SECTION 3
 1:100 @ A1
 1:200 @ A3
 C300



SECTION 5
 1:100 @ A1
 1:200 @ A3
 C300



ACCESSWAY 1 CH119 CROSS SECTION 6
 1:100 @ A1
 1:200 @ A3
 C300

**FOR RESOURCE CONSENT
 NOT FOR CONSTRUCTION**

Revision	Date	App	Date	Approved	RT	Dec-21
1	23.08.23	RT	23.08.23	SW	Dec-21	Dec-21
0	21.04.22	RT	21.04.22	YV/KD	Dec-21	Dec-21
		RD		RD	Dec-21	Dec-21
		RT		RT	Dec-21	Dec-21

Client
 FOODSTUFFS
 NORTH ISLAND LTD

Project Title
 NEW WORLD
 KHANDALLAH
 CAR PARK EXPANSION

Sheet Title
 TYPICAL ROAD
 CROSS SECTIONS

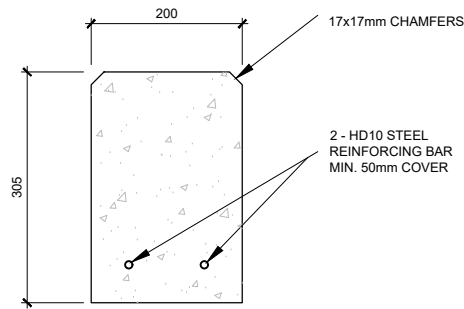
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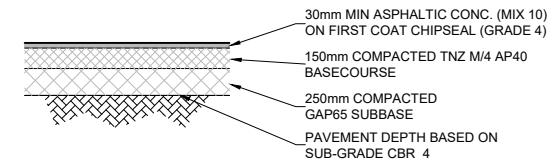
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Project No	Sheet	Revision
712722	C302	1

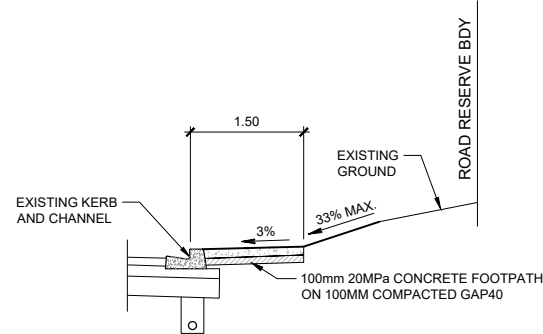
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①
EDGE BEAM & KERB ONLY
 1:10 @ A1



**TYPICAL CARRIAGEWAY
 PAVEMENT DETAIL**
 1:10 @ A1



A
 C300
FOOTPATH CROSS SECTION

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Revision	App	Date	Approved	RT	Dec-21
1	RT	29.08.22	RT	Dec-21	Dec-21
0	RT	21.04.22	RD	Dec-21	Dec-21

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Client
 FOODSTUFFS
 NORTH ISLAND LTD

Project Title
 NEW WORLD
 KHANDALLAH
 CAR PARK EXPANSION

Sheet Title
 ROADING
 CONSTRUCTION DETAILS

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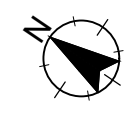
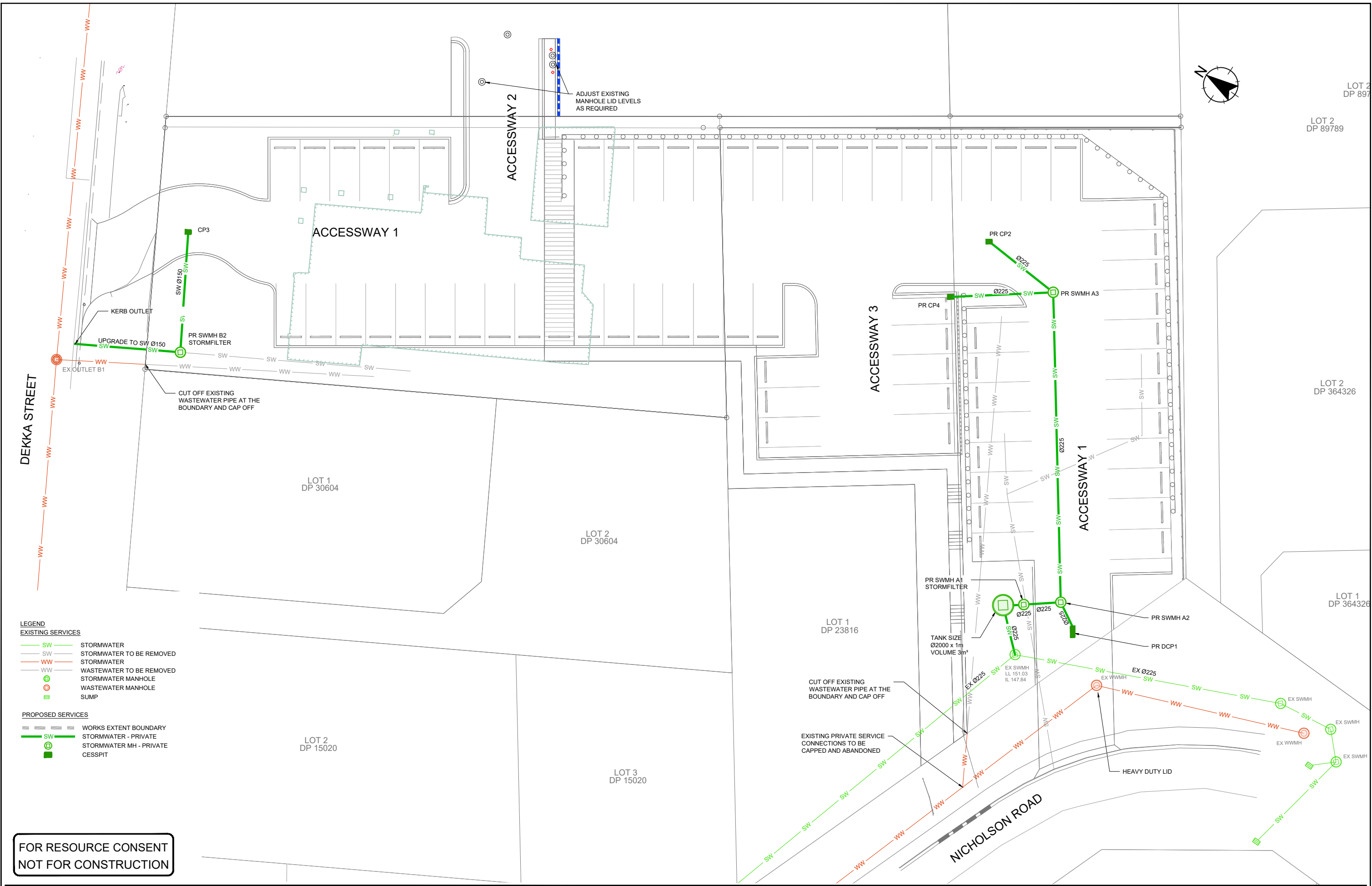


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Project No Sheet Revision

712722 C303 1



Revision	Description	App	Date	Approved	RT	Dec-21
1	LAYOUT UPDATED	RT	23.08.23	SW		Dec-21
0	FOR RESOURCE CONSENT	RT	21.04.22	RD		Dec-21

Client
FOODSTUFFS
NORTH ISLAND LTD

Project Title
NEW WORLD
KHANDALLAH
CAR PARK EXPANSION

Sheet Title
DRAINAGE PLAN

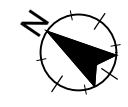
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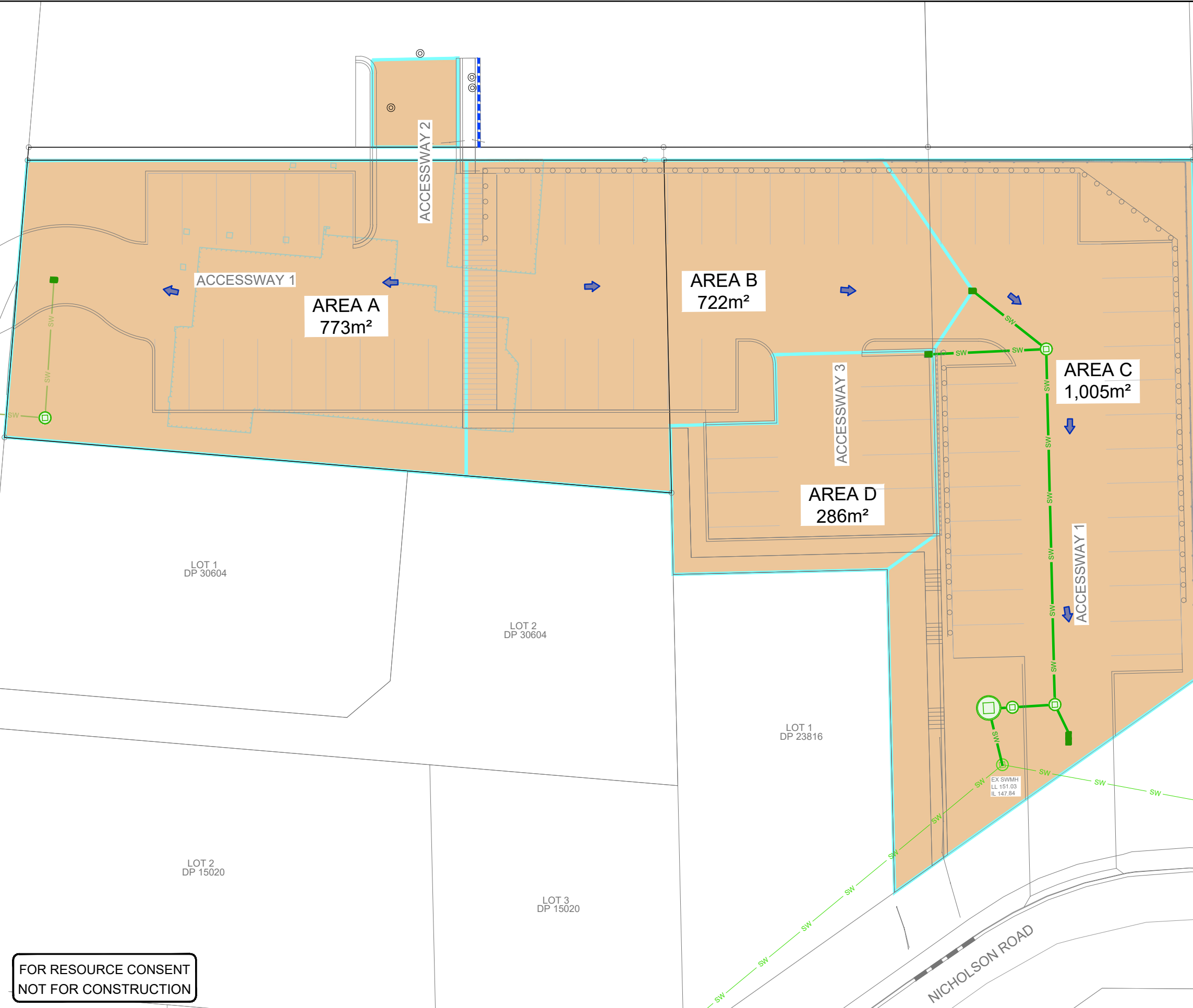
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Project No	Sheet	Revision
712722	C400	1

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DEKKA STREET



- LEGEND**
- EXISTING SERVICES**
- SW — STORMWATER (PUBLIC)
 - SW — STORMWATER (PRIVATE)
 - ⊕ STORMWATER MANHOLE
 - SUMP
- PROPOSED SERVICES**
- WORKS EXTENT BOUNDARY
 - SW — STORMWATER - PRIVATE
 - ⊕ STORMWATER MH - PRIVATE
 - CESSPIT - PRIVATE
 - CATCHMENT BOUNDARY
 - CATCHMENT AREA
 - ➔ OVERLAND FLOWPATH DIRECTION

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1 LAYOUT UPDATED	RT	23.08.23	Designed	SW	Dec-21
0 FOR RESOURCE CONSENT	RT	21.04.22	Drawn	YW/KD	Dec-21
	App		Reviewed	RD	Dec-21
	Date		Approved	RT	Dec-21

Surveyed	SW	Dec-21
Designed	SW	Dec-21
Drawn	YW/KD	Dec-21
Reviewed	RD	Dec-21
Approved	RT	Dec-21

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Project Title
NEW WORLD
KHANDALLAH
CAR PARK EXPANSION

Sheet Title
STORMWATER
CATCHMENT PLAN

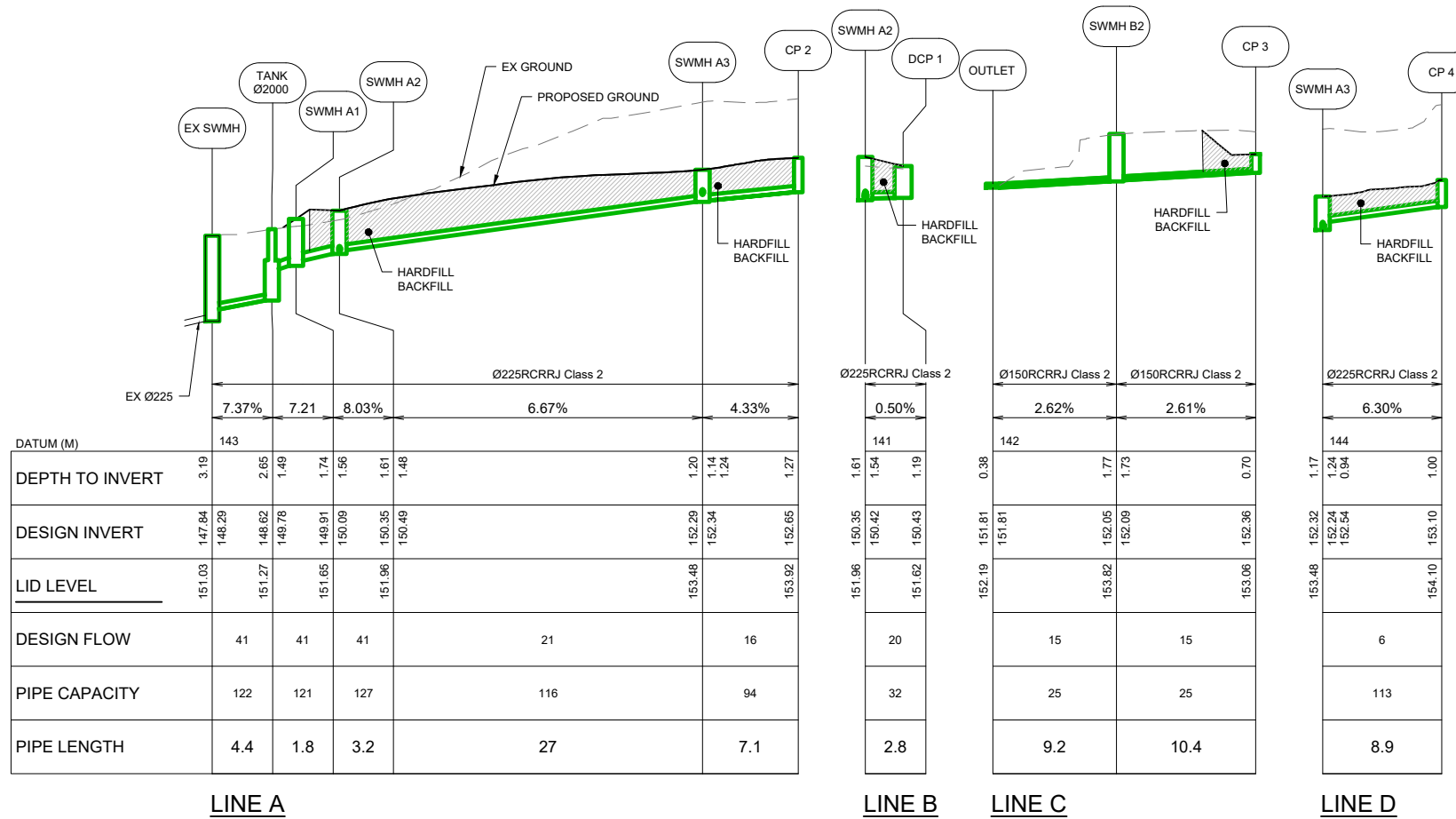
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Project No 712722 Sheet C401 Revision 1

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Revision	App	Date	Approved	RT	Dec-21		

Client
**FOODSTUFFS
NORTH ISLAND LTD**

Project Title
**NEW WORLD
KHANDALLAH
CAR PARK EXPANSION**

Sheet Title
**STORMWATER
LONG SECTION**

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Scale (A1 Original)		
HORIZONTAL SCALE 1:500 (A1) 1:1000 (A3)		
VERTICAL SCALE 1:100 (A1) 1:200 (A3)		
Project No	Sheet	Revision
712722	C405	0

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Figure 9: Type-two Surface Water Sump
Paragraph 3.6.2

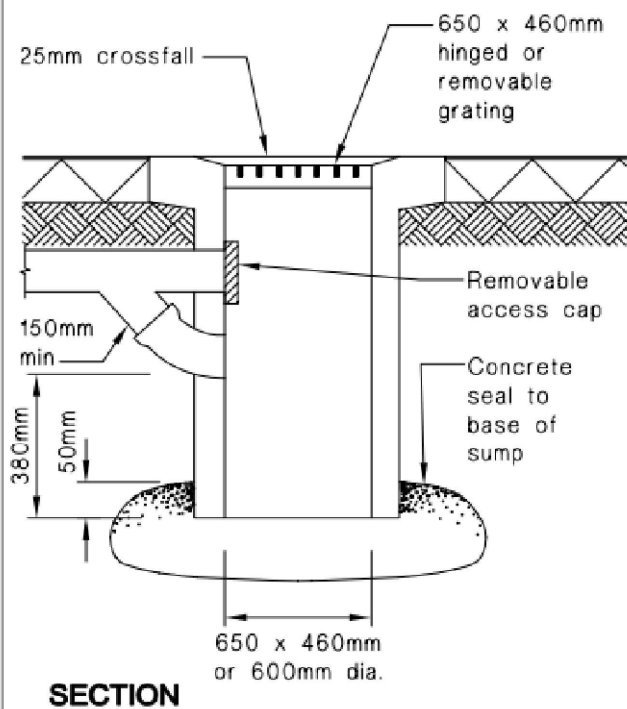
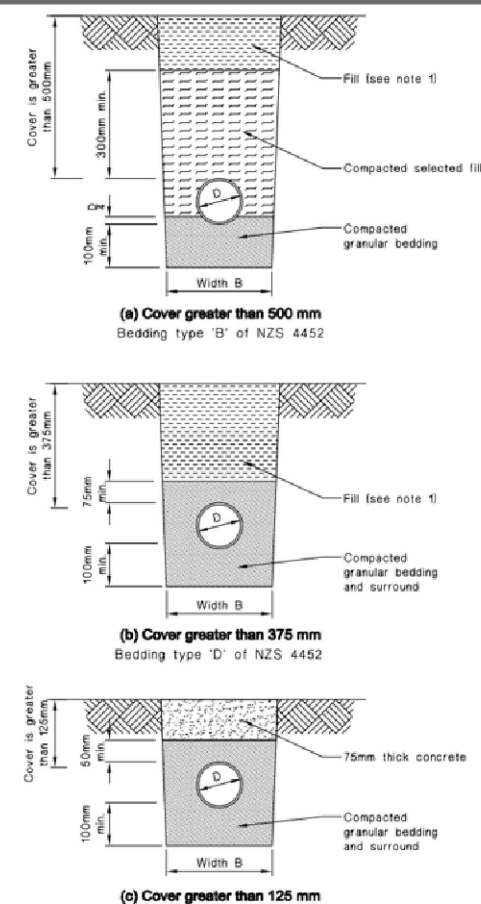
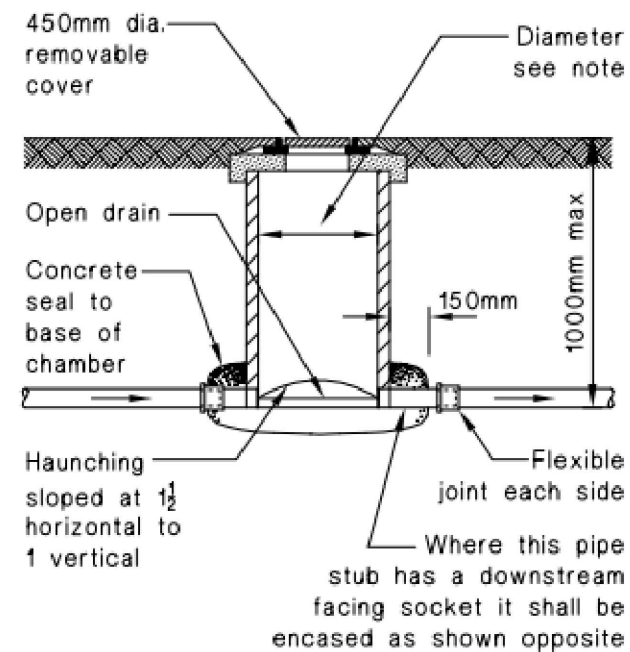


Figure 13: Bedding and Backfilling
Paragraphs 3.9.2, 3.9.4 and 3.9.5



NOTE:
1. Fill shall be:
-Ordinary fill where drains are located below gardens and open country.
-Compacted selected fill where the drains are located below residential driveways and similar areas subjected to light traffic.

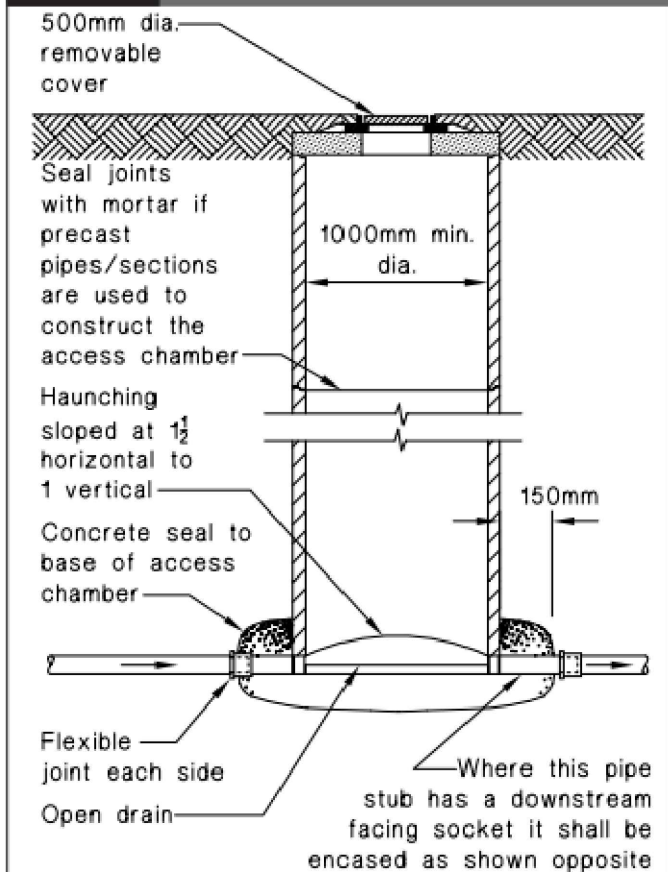
Figure 11: Typical Inspection Chamber
Paragraphs 3.5.3, 3.7.1 and 3.7.4



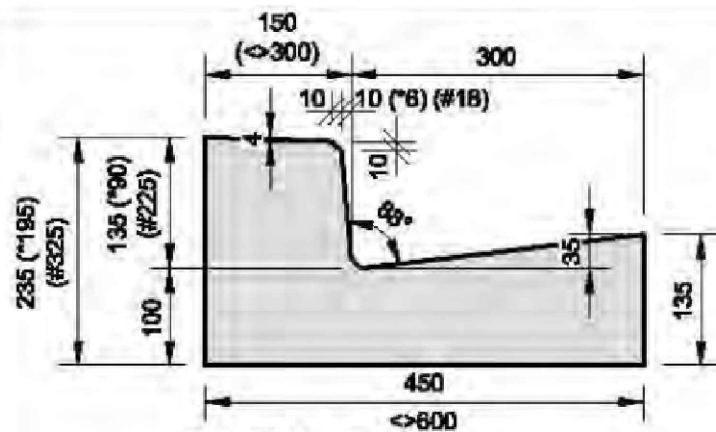
SECTION

NOTE:
Inspection chamber diameter to be:
-450 mm for drains 100 mm dia or less.
-600 mm for drains greater than 100 mm dia.

Figure 12: Typical Access Chamber
Paragraphs 3.5.3, 3.7.1 and 3.7.4



SECTION



DETAIL A
STD. KERB AND CHANNEL
(* LOW PROFILE KERB)
(# BUS STOP KERB)
(<> WIDE TOP KERB)

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0 FOR RESOURCE CONSENT	RT	21.04.22	App	Date	Approved	RT	Dec-21
Revision							Dec-21

Client
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NORTH ISLAND LTD**

Project Title
**NEW WORLD
KHANDALLAH
CAR PARK EXPANSION**

Sheet Title
**STANDARD
DETAILS
SHEET 1**

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Project No	Sheet	Revision
712722	C800	0