A

Appendix A – Fast-track Approvals Drawings

UoA - Student Centre and Library

CIVIL ENGINEERING

Prepared for University of Aucklanbd
Prepared by Beca Limited (Beca)
At: 30-34 Princes Street, Auckland Central (Corner Princes & Alfred Street, Auckland Central)

Project No.: 5013381
30 October 2026
For Fast Track Approvals Act Substantive Consent Application



DRAWING LIST		
DRAWING No.	DRAWING TITLE	REVISION
5013381-CA-0000	COVER AND DRAWING LIST	C
5013381-CA-0001	GENERAL NOTES	C
5013381-CA-1000	EXISTING SITE GENERAL ARRANGEMENT LAYOUT	C
5013381-CA-1100	EXISTING SITE SERVICES LAYOUT	C
5013381-CA-1110	DEMOLITION LAYOUT	C
5013381-CA-2000	EARTHWORKS LAYOUT	B
5013381-CA-2010	EARTHWORKS CROSS SECTIONS SHEET 1	A
5013381-CA-2011	EARTHWORKS CROSS SECTIONS SHEET 2	A
5013381-CA-2100	EROSION AND SEDIMENT CONTROL LAYOUT	B
5013381-CA-2101	EROSION AND SEDIMENT CONTROL DETAILS SHEET 1	B
5013381-CA-2102	EROSION AND SEDIMENT CONTROL DETAILS SHEET 2	B
5013381-CA-2103	EROSION AND SEDIMENT CONTROL DETAILS SHEET 3	B
5013381-CA-3000	DESIGN SITE LAYOUT	B
5013381-CA-4000	STORMWATER LAYOUT	C
5013381-CA-5000	WASTEWATER LAYOUT	C
5013381-CA-5100	WASTEWATER LONGITUDINAL SECTION	A
5013381-CA-6000	WATER LAYOUT	C
5013381-CA-9000	COMBINED SERVICES LAYOUT	C

Waipapa
Taumata Rau
University
of Auckland

Creative people together transforming our world

Document No. 5013381-CA-0000.DWG

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GENERAL NOTES:

1. COORDINATES FOR THESE WORKS ARE IN TERMS OF THE NEW ZEALAND TRAVERSE MERCATOR (NZTM).
2. THE VERTICAL DATUM FOR THESE WORKS ARE IN TERMS OF THE LINZ DATUM NEW ZEALAND VERTICAL DATUM 2016 (NZVD16).
3. THIS CONCEPT DESIGN PACKAGE INCORPORATES THE ALFRED ST PRELIMINARY DRAINAGE SURVEY BY B.N. WALKER SURVEYING LTD REVISION 0 DATED 30 JULY 2026.
4. EXISTING SERVICES INFORMATION SHOWN ARE COMPILED FROM VARIOUS SOURCES INCLUDING BUT NOT LIMITED TO PREVIOUS UOA HIWA TOPOGRAPHICAL SURVEY INFORMATION, UOA HIWA AS-BUILT DRAWINGS, AND AUCKLAND COUNCIL GIS. ACCURACY UNKNOWN. ALL DIMENSIONS AND LEVELS ARE IN METRES (m), AND PIPE DIAMETERS ARE IN MILLIMETRES (mm), UNLESS NOTED OTHERWISE.
5. LOCATIONS OF SERVICES ARE APPROXIMATE AND WILL NEED TO BE VERIFIED ON-SITE DURING THE CONSTRUCTION STAGE OF THE PROJECT PRIOR TO CONSTRUCTION WORK COMMENCING. UNKNOWN SERVICES NOT PREVIOUSLY IDENTIFIED MAY BE LOCATED ON-SITE. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL SERVICES THAT ARE TO BE RETAINED AS PART OF THE WORKS.
7. ALL ABANDONED LINES SHALL BE REMOVED WHERE PRACTICABLE. IF REMOVAL CANNOT BE ACHIEVED, NOTIFY THE ENGINEER AND SEEK INSTRUCTION ON FULL GROUTING.
8. CLEARANCE BETWEEN UTILITY SERVICES NOT INCORPORATED FOR CONCEPT DESIGN. TO BE REVIEWED IN THE NEXT DESIGN STAGE.
9. ALL SERVICES SHOWN NEED TO BE REVIEWED UPON RECEIPT OF THE NEW TOPOGRAPHICAL SURVEY.
10. THE CONTRACTOR SHALL LIAISE WITH THE PROJECT ARBORIST FOR ANY WORK WITHIN THE DESIGNATED TREE ROOT PROTECTION ZONES.
11. CONTOURS SHOWN ON DRAWINGS WERE GENERATED FROM B.N. WALKER SURVEYING LTD REVISION 0 DATED 30 JULY 2026.

STORMWATER NOTES

1. ALL PIPE MATERIALS, FITTINGS AND CONSTRUCTION OF STORMWATER DRAINAGE SYSTEMS TO COMPLY WITH AUCKLAND COUNCIL DEVELOPMENT AND CONNECTION STANDARDS, ALL RELEVANT BUILDING CODES AND NZS 4404 LAND DEVELOPMENT AND SUBDIVISION.
2. ALL CATCHPIT LEADS ARE Ø225. LEADS TO BE UPVC SN16 UNLESS NOTED OTHERWISE.
3. LEADS TO CONNECT TO MAIN LINE SOFFIT TO SOFFIT OF OUTGOING PIPE, UNLESS NOTED OTHERWISE ON LONG SECTIONS.
4. CATCHPIT INVERT LEVELS SUPPLIED ARE THE OUTGOING LEAD'S INVERT LEVEL. CATCHPIT SUMP INVERT LEVELS ARE 450mm BELOW OUTLET PIPE INVERT LEVELS.
5. ALL MANHOLES ARE MINIMUM Ø1050 UNLESS NOTED OTHERWISE AND ARE TO CONFORM TO AUCKLAND COUNCIL STANDARD DETAILS SW05.
6. ALL MANHOLES WHERE LEVEL DIFFERENCE OF INCOMING PIPEWORK IS MORE THAN 1 METRE, 40MPA CONCRETE IS TO BE USED FOR BENCHING.
7. ALL MANHOLES LIDS AND COVERS IN TRAFFICKED AREAS ARE TO BE CLASS D.
8. ALL NEW STORMWATER PIPES TO BE INSTALLED WITH MINIMUM 600mm COVER ABOVE TOP OF PIPE. IF 600mm OF COVER CAN NOT BE ACHIEVED, A REINFORCED CONCRETE CAP MUST BE INSTALLED ABOVE THE PIPE.
9. PIPE INVERT LEVELS SHOWN IN THE LONG SECTION REPRESENT THE PROJECTED PIPE INVERT LEVEL AT THE CENTRE OF THE MANHOLE.

WASTEWATER NOTES:

1. ALL MANHOLE LIDS IN TRAFFICKED AREAS TO BE CLASS D.
2. ALL WASTEWATER MANHOLES ARE TO CONFORM TO WATERCARE STANDARD DETAILS WW5 AND THE NEW ZEALAND BUILDING CODE CLAUSE G13.
3. ALL PIPE MATERIALS, FITTINGS AND CONSTRUCTION OF WASTEWATER RETICULATION TO COMPLY WITH WATERCARE CODE OF PRACTICE STANDARD DETAILS AND MATERIAL SUPPLY STANDARD.
4. ALL WASTEWATER PIPE TRENCH INSTALLATION TO BE AS PER WATERCARE COP STANDARD DETAILS WW2 AND THE NEW ZEALAND BUILDING CODE CLAUSE G13.
5. ALL NEW WASTEWATER PIPES TO BE INSTALLED WITH MINIMUM 900mm COVER ABOVE TOP OF PIPE. IF PIPE COVER IS LESS THAN 900mm, A REINFORCED CONCRETE CAP MAY BE REQUIRED. DETAILS TO BE CONFIRMED AT DETAILED DESIGN STAGE. A GRADED CONNECTION IN THE PUBLIC ROAD RESERVE MUST HAVE A MINIMUM COVER OF 450mm AT THE HIGHEST POINT.
6. THE BUILDING FOUNDATION PILES AND EARTHWORKS IN THE VICINITY OF THE EXISTING PUBLIC WASTEWATER PIPELINES MAY REQUIRE WORKS OVER APPROVAL FROM WATERCARE PRIOR TO COMMENCING CONSTRUCTION.
7. ALL WASTEWATER PIPES TO BE UPVC SN16 UNLESS NOTED OTHERWISE.
8. PIPE INVERT LEVELS SHOWN IN THE LONG SECTION REPRESENT THE PROJECTED PIPE INVERT LEVEL AT THE CENTRE OF THE MANHOLE.

WATER NOTES:

1. ALL PIPE MATERIALS, FITTINGS AND CONSTRUCTION OF WATER SUPPLY RETICULATION TO COMPLY WITH WATERCARE CODE OF PRACTICE STANDARD DETAILS AND MATERIAL SUPPLY STANDARD.

ABBREVIATIONS:

EX	EXISTING
WW	WASTEWATER
WWMH	WASTEWATER MANHOLE
SW	STORMWATER
SWMH	STORMWATER MANHOLE
WTR	WATER
LV	LOW VOLTAGE
HV	HIGH VOLTAGE
COMMS	TELECOMMUNICATIONS
CHW	CHILLED WATER
TBA	TO BE ABANDONED

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
C	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
B	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26
A	CONCEPT DESIGN	SZ	RR	CJB	24.07.26

Original Scale (A1) N.T.S
Reduced Scale (A3) N.T.S

Design	S.ZHU	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: GENERAL NOTES

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-0001

Rev.: C

Path: C:\Users\AP2\DC\ACCDocs\Beca_BIM360_Enterprise\150\13381 - Uoa SC&LL\Project Files\WIP\Civil-Beca\CAD

Document No.: 5013381-CA-0001.DWG

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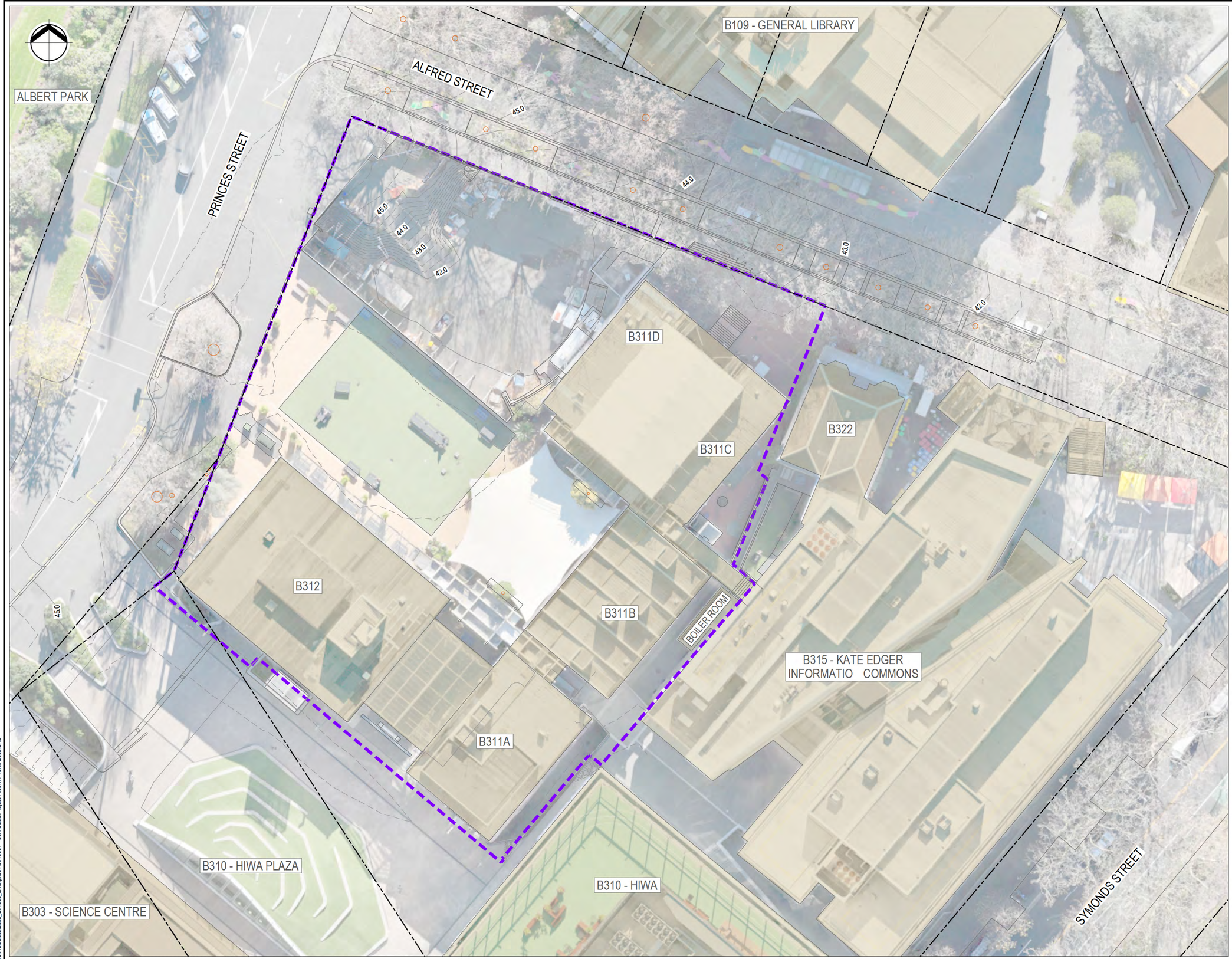

LEGEND:

- EXTENT OF WORKS
- CADASTRAL BOUNDARY
- EXISTING BUILDINGS
- 41.0 EXISTING CONTOUR MAJOR (1.0m)
- 40.75 EXISTING CONTOUR MINOR (0.25m)
- EXISTING TREE TRUNK & DRIPLINE

NOTES:

1. REFER TO DRAWING 5013881-CA-0001 FOR GENERAL NOTES.
2. REFER TO BUILDING SERVICES DRAWINGS FOR INTERNAL BUILDING PIPEWORK.
3. REFER TO TOPOGRAPHICAL SURVEY 7119-600-01, REVISION 1 FROM B. N. WALKER SURVEYING 2016 LTD FOR EXISTING SERVICES INFORMATION.

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
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No.	Revision	By	Chk	Appd	Date
C	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
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A	CONCEPT DESIGN	SZ	RR	CJB	24.07.26

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

Design	S.ZHU	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Drg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EXISTING SITE GENERAL ARRANGEMENT LAYOUT

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-1000

Rev.: C

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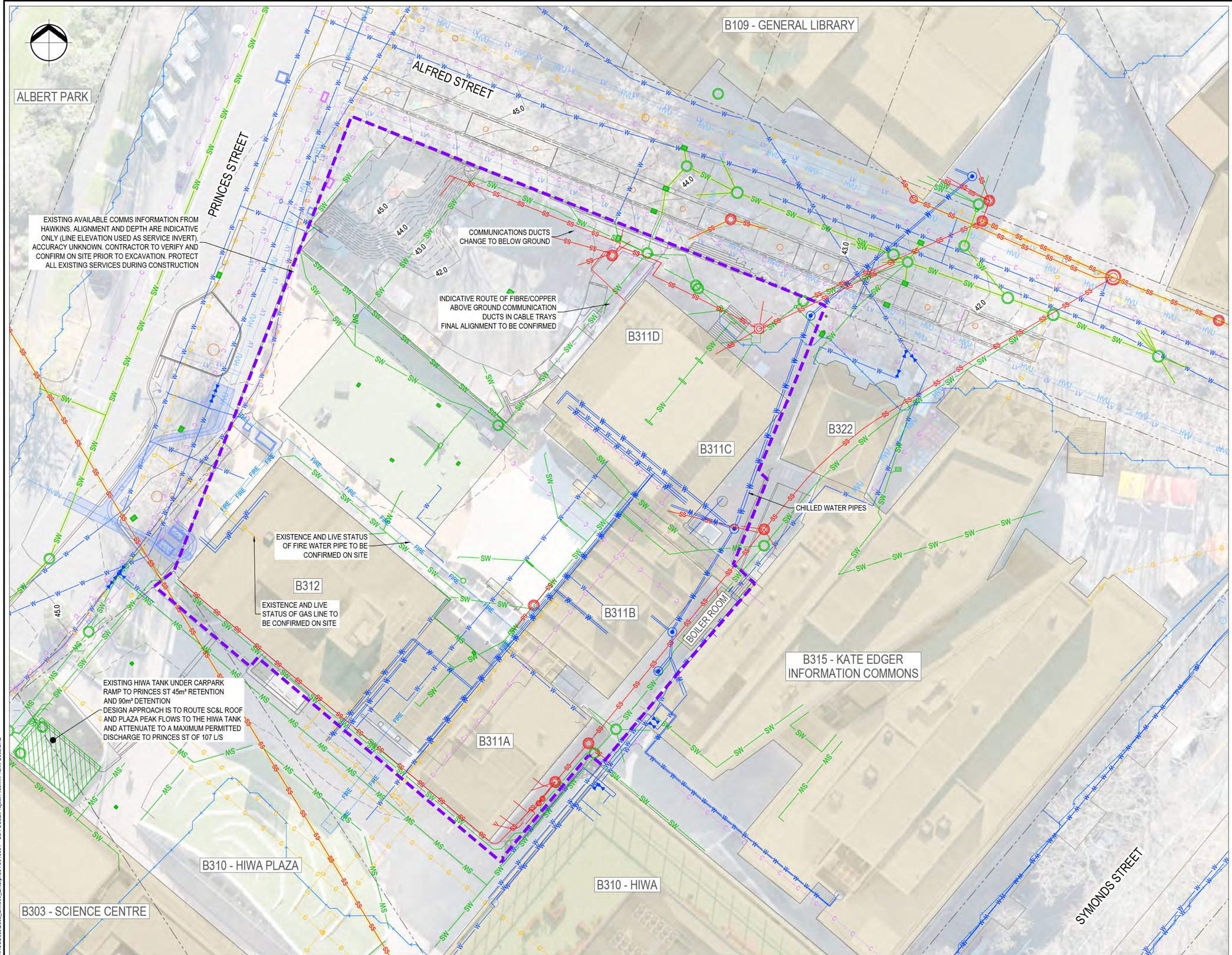

LEGEND:

- EXTENT OF WORKS
- CADASTRAL BOUNDARY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.25m)
- EXISTING BUILDINGS
- PUBLIC SERVICE
- EXISTING STORMWATER
- EXISTING STORMWATER CHANNEL
- EXISTING WASTEWATER
- EXISTING COMMS
- EXISTING LOW VOLTAGE
- EXISTING HIGH VOLTAGE
- EXISTING LIGHTING
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING FIRE WATER
- EXISTING COMBINED STORMWATER/WASTEWATER
- EXISTING VECTOR EASEMENT
- EXISTING TREE TRUNK & DRIPLINE
- EXISTING OVERLAND FLOW PATH (FROM AC GIS)

NOTES:

1. REFER TO DRAWING 5013881-CA-0001 FOR GENERAL NOTES.
2. REFER TO BUILDING SERVICES DRAWINGS FOR INTERNAL BUILDING PIPEWORK.
3. REFER TO TOPOGRAPHICAL SURVEY 7119-600-01, REVISION 1 FROM B. N. WALKER SURVEYING 2016 LTD FOR EXISTING SERVICES INFORMATION.

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
C	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
B	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26
A	CONCEPT DESIGN	SZ	RR	CJB	24.07.26

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

Design	S.ZHU	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EXISTING SITE SERVICES LAYOUT

Discipline: CIVIL ENGINEERING

Drawing No.: 5013881-CA-1100

Rev.: C

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Document No.: 5013381-CA-1100.DWG

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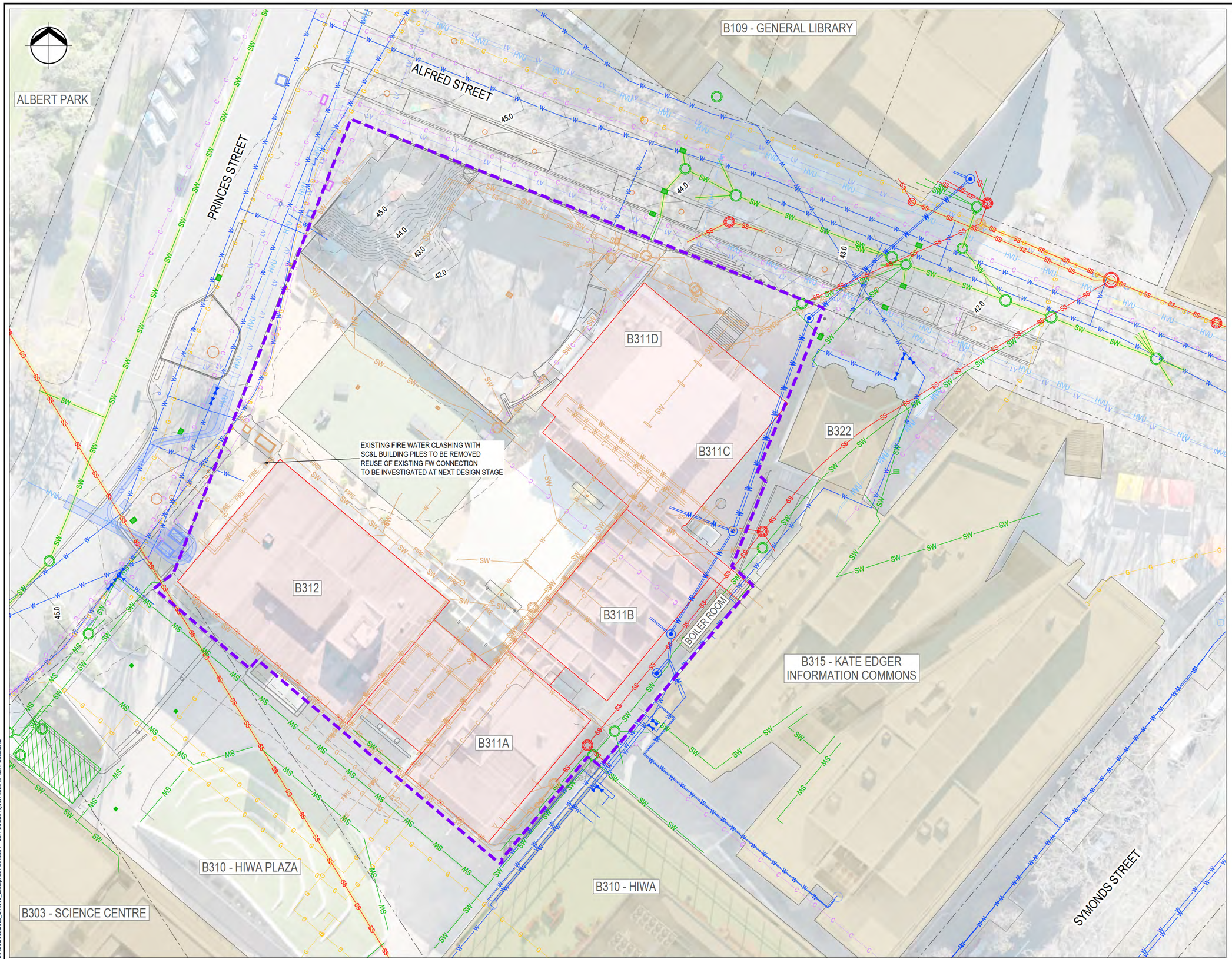

LEGEND:

- EXTENT OF WORKS
- CADASTRAL BOUNDARY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.25m)
- EXISTING BUILDINGS
- EXISTING BUILDING TO BE DEMOLISHED
- EXISTING STORMWATER
- EXISTING STORMWATER CHANNEL
- EXISTING WASTEWATER
- PUBLIC SERVICE
- EXISTING COMMS
- EXISTING LOW VOLTAGE
- EXISTING HIGH VOLTAGE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING FIRE WATER
- EXISTING COMBINED STORMWATER/WASTEWATER
- EXISTING STORMWATER TO BE ABANDONED/REMOVED
- EXISTING WASTEWATER TO BE ABANDONED/REMOVED
- EXISTING COMMS TO BE ABANDONED/REMOVED
- EXISTING GAS MAIN TO BE ABANDONED/REMOVED
- EXISTING WATER MAIN TO BE ABANDONED/REMOVED
- EXISTING FIRE WATER TO BE ABANDONED/REMOVED
- EXISTING VECTOR EASEMENT
- EXISTING TREE TRUNK & DRIPLINE

NOTES:

1. REFER TO DRAWING 5013881-CA-0001 FOR GENERAL NOTES.
2. REFER TO BUILDING SERVICES DRAWINGS FOR INTERNAL BUILDING PIPEWORK.
3. REFER TO TOPOGRAPHICAL SURVEY 7119-600-01, REVISION 1 FROM B. N. WALKER SURVEYING 2016 LTD FOR EXISTING SERVICES INFORMATION.

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
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No.	Revision	By	Chk	Appd	Date
C	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
B	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26
A	CONCEPT DESIGN	SZ	RR	CJB	24.07.26

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

Design	S.ZHU	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Beca

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: DEMOLITION LAYOUT

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-1110

Rev.: C

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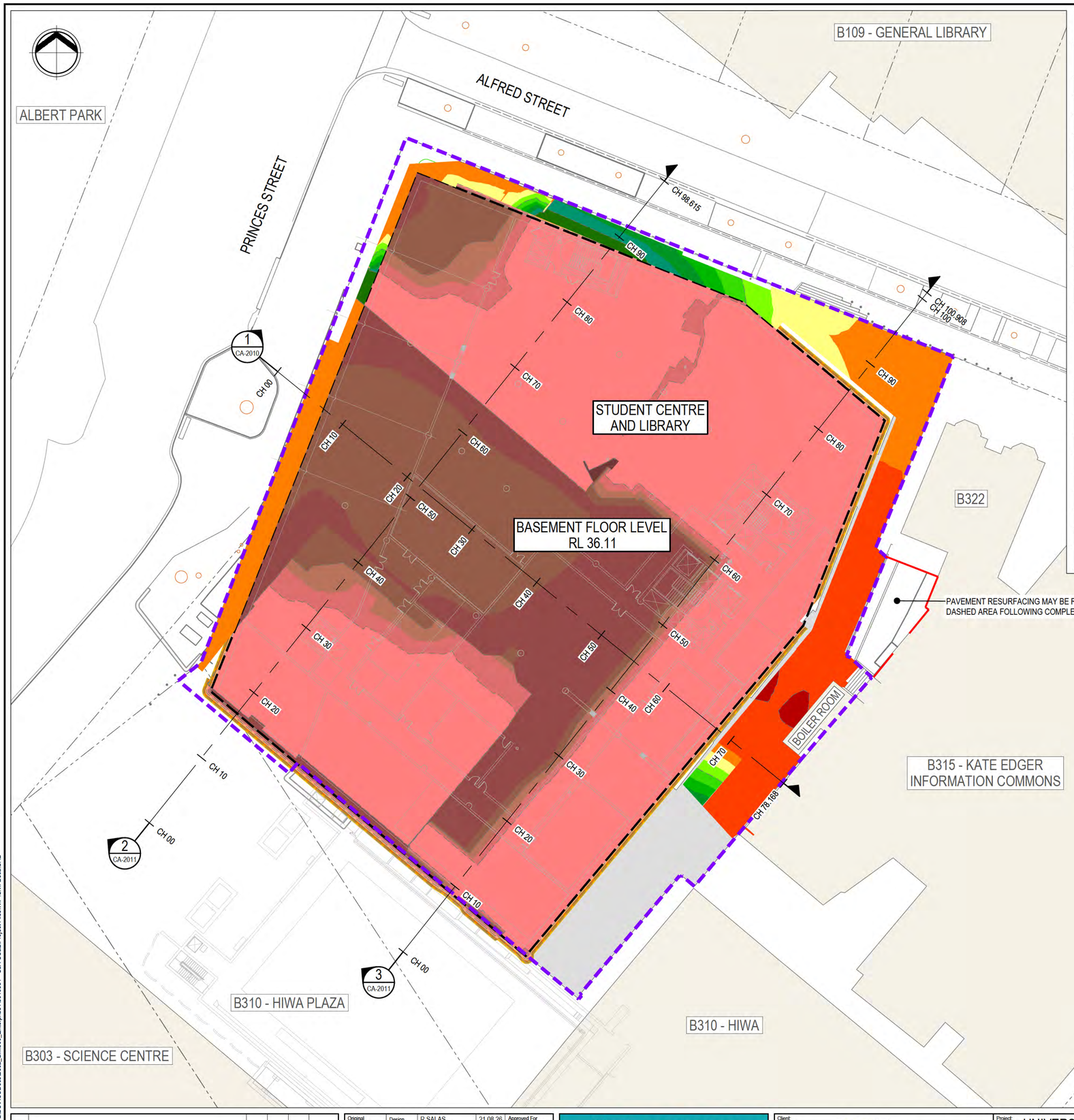

CUT/FILL DEPTH WITHIN NEW BUILDING

COLOR	MINIMUM DEPTH (m)	MAXIMUM DEPTH (m)	AREA (m²)	VOLUME (m³)
	-1.000	0.000	26.31	4 558.93
	-2.000	-1.000	26.33	4 532.60
	-3.000	-2.000	26.29	4 506.28
	-4.000	-3.000	26.22	4 480.02
	-5.000	-4.000	26.14	4 453.84
	-6.000	-5.000	26.07	4 427.73
	-7.000	-6.000	2523.90	2 520.23
	-8.000	-7.000	227.58	1 765.80
	-9.000	-8.000	152.43	1 586.23
	-10.000	-9.000	826.55	1 370.13
	-11.000	-10.000	683.23	28.90
	-12.624	-11.000	1.01	1.59

CUT/FILL DEPTH OUTSIDE OF NEW BUILDING

COLOR	MINIMUM DEPTH (m)	MAXIMUM DEPTH (m)	AREA (m²)	VOLUME (m³)
	-1.500	-1.000	14.60	0.44
	-1.000	-0.500	240.89	83.24
	-0.500	0.000	297.56	206.84
	0.000	0.500	64.76	67.93
	0.500	1.000	19.34	50.33
	1.000	1.500	14.83	42.20
	1.500	2.000	14.81	34.90
	2.000	2.500	20.03	26.42
	2.500	3.000	22.05	15.32
	3.000	3.500	20.18	4.05

LEGEND:

- EXTENT OF WORKS
- CADASTRAL BOUNDARY
- NEW BUILDING OUTLINE
- EXISTING BUILDINGS
- 41.0 EXISTING CONTOUR MAJOR (1.0m)
- 40.75 EXISTING CONTOUR MINOR (0.25m)
- NEW PAVED AREA
- EXISTING TREE TRUNK & DRIPLINE

NOTES:

1. REFER TO DRAWINGS 5013881-CA-1100 FOR DETAILS OF EXISTING SERVICES.
2. REFER TO TABLE 1 FOR SUMMARY OF EARTHWORKS VOLUMES. EARTHWORKS VOLUMES ARE ESTIMATES ONLY.
3. CUT AND FILL VOLUMES WITHIN THE BUILDING ISOPACH IS A COMPARISON OF THE TEMPORARY POST DEMOLITION GROUND SURFACE (REPRESENTING THE SITE FOLLOWING THE REMOVAL OF BUILDINGS B311 AND B312 AND ASSOCIATED FOUNDATIONS) AGAINST THE PROPOSED BUILDING EXCAVATION SURFACE.
4. EXISTING EXTERNAL LEVELS USED FOR THIS DRAWING ARE BASED ON THE TOPOGRAPHICAL SURVEY COMPLETED BY B.N.WALKER SURVEYING 2016 LTD DATED 27 AUGUST 2026. EXISTING GROUND LEVELS AT BUILDINGS HAVE BEEN INTERPOLATED BASED ON SURVEYED LEVELS SURROUNDING THE BUILDINGS.
5. FOR AREAS OUTSIDE THE PROPOSED NEW BUILDING FOOTPRINT, A 300mm PAVEMENT THICKNESS HAS BEEN ASSUMED BENEATH ALL PROPOSED PAVED AREAS. CUT AND FILL VOLUMES FOR THESE AREAS HAVE BEEN CALCULATED USING A SURFACE-TO-SURFACE COMPARISON BETWEEN THE PROPOSED FORMATION LEVEL (FINISHED LEVEL LESS 300mm) AND THE EXISTING SURVEYED GROUND LEVELS.
6. THIS PLAN SHOWS EXCAVATION WORKS REQUIRED FOR THE CONSTRUCTION OF THE FOUNDATION LEVEL OF THE PROPOSED BUILDING ONLY. LOCALISED EXCAVATION FOR FOUNDATION FOOTINGS, SLAB THICKENINGS, SUBSOIL DRAINS, TRENCHES AND SIMILAR WORKS IS NOT SHOWN ON THIS PLAN. THE EXCAVATION EXTENT SHOWN REPRESENTS THE THEORETICAL MAXIMUM AND IS PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL REVIEW AND ADJUST THE EXCAVATION EXTENT ON SITE AS REQUIRED.
7. IT IS ASSUMED THAT EXCAVATIONS AT VERTICAL FACES WILL ONLY OCCUR WHEN THE REQUIRED RETAINING STRUCTURE IS IN PLACE. THE CONTRACTOR SHALL ENSURE ALL CUT SLOPES REMAIN STABLE AT ALL TIMES AND SHALL SEEK AND FOLLOW ADVICE FROM THE PROJECT GEOTECHNICAL ENGINEER.
8. DESIGN FINISHED FLOOR LEVELS USED FOR THIS DRAWING ARE SHOWN ON DRAWINGS 5013381-CA-3000. THESE LEVELS WILL BE FURTHER DEVELOPED WITH THE CONTRACTOR TO FINALISE APPROXIMATE EARTHWORKS VOLUMES.
9. EARTHWORKS AREA: 5,565m² AND EARTHWORKS CUT VOLUME: 34,282m³

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
A	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26

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

Design	R.SALAS	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EARTHWORKS LAYOUT

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-2000

Rev.: B

DO NOT SCALE FOR SET OUT DIMENSIONS

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Document No.: 5013381-CA-2000.DWG

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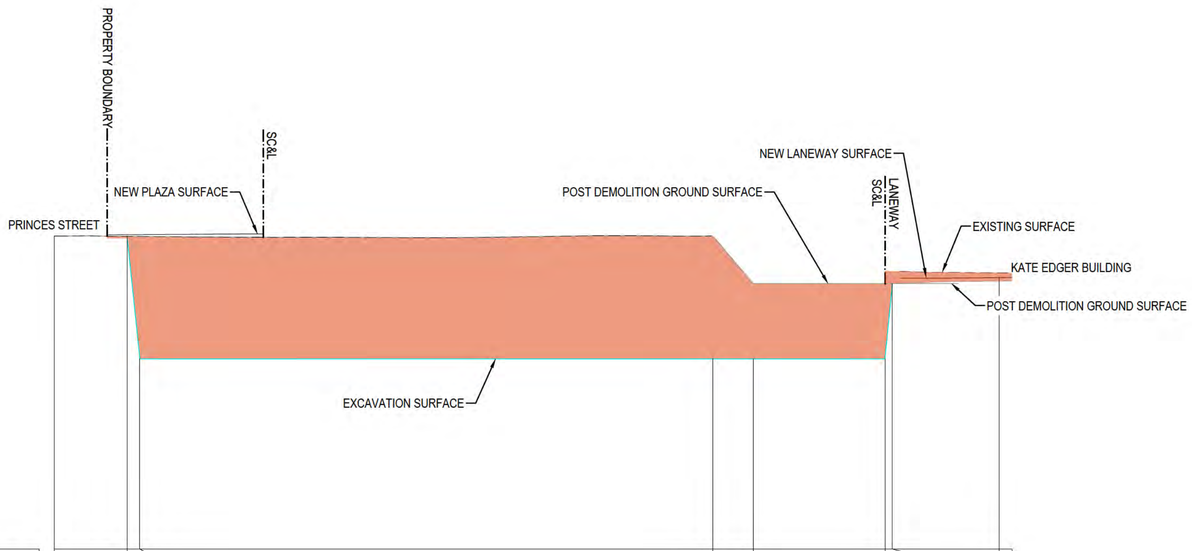
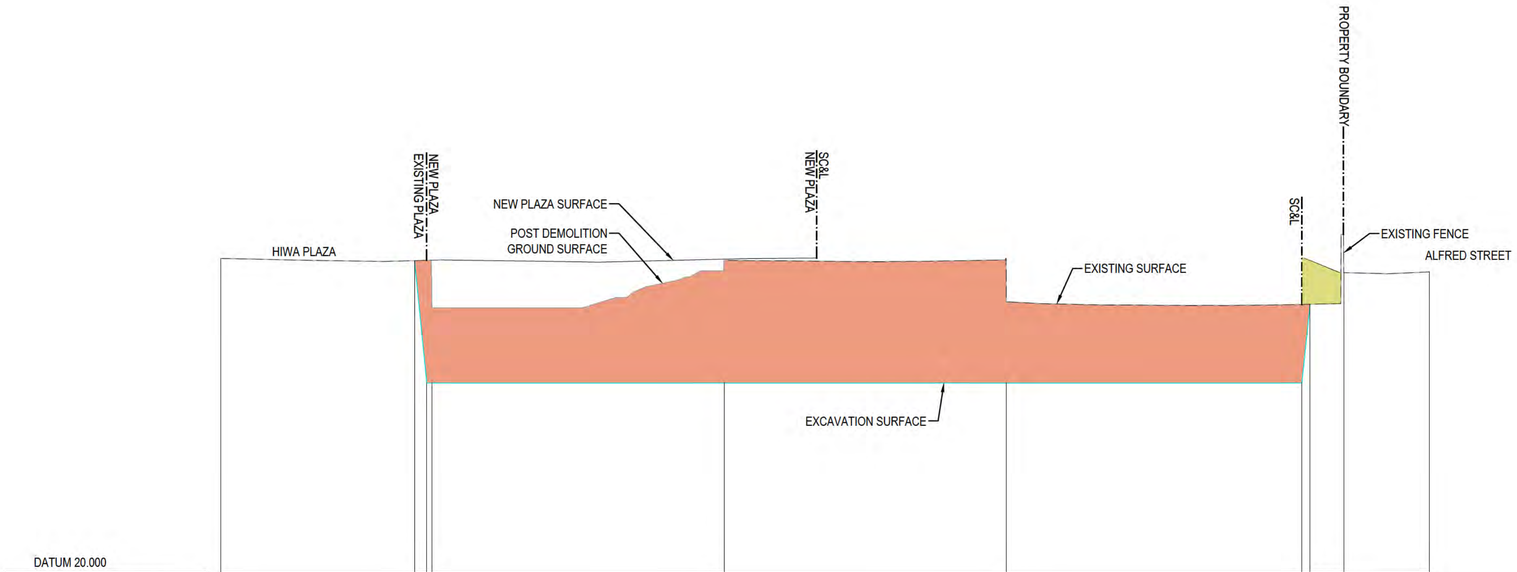
LEGEND:
- CUT AREA
- FILL AREA



DATUM 20.000

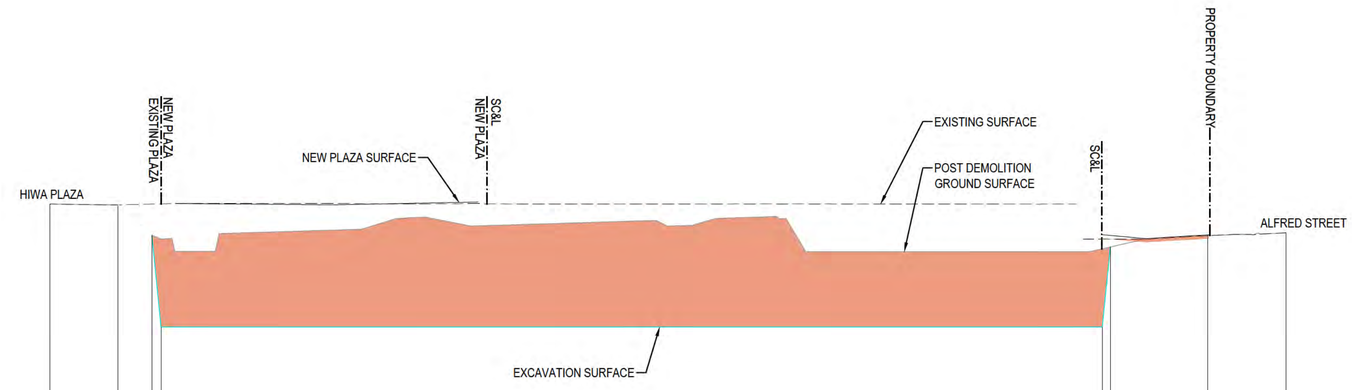
| | | |

LEGEND:
- CUT AREA
- FILL AREA



DATUM 20.000													
EXISTING/FOUNDATION LEVEL (m)		45.49	45.52	41.65	45.53	42.13	41.92	41.94	44.52	44.58			
EXCAVATION LEVEL (m)		45.49	35.51	35.51	35.51	35.51	35.51	41.94					
EXCAVATION DEPTH (m)		0.00	-10.01	-6.14	-10.02	-6.62	-6.41	0.00	0.00	0.00			
CHAINAGE (m)	0.00	15.81	16.81	17.23	41.08	64.10	88.23	88.91	91.99	98.62			

2 CA-2000 CROSS SECTION 2
SCALE 1:250



DATUM 20.000													
EXISTING/FOUNDATION LEVEL (m)		45.47	43.05	42.69				41.89	42.04	42.97			
EXCAVATION LEVEL (m)			43.05	35.51				35.51	42.04				
EXCAVATION DEPTH (m)		0.00	0.00	-7.18				-6.38	0.00	0.00			
CHAINAGE (m)	0.00	5.58	8.32	9.08				85.91	86.56	94.49			

3 CA-2000 CROSS SECTION 3
SCALE 1:250

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
A	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26

Original Scale (A1) AS SHOWN	Design	L.CAMERON	21.10.26	Approved For Construction*
	Drawn	A.FRANCOMBE	21.10.26	
	Dsg Verifier	C.BREYTENBACH	30.10.26	
Reduced Scale (A3) 1/2 SHOWN	Drg Check	R.GARCIA	28.10.26	Date
	* Refer to Revision 1 for Original Signature			

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EARTHWORKS CROSS SECTIONS SHEET 2

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-2011 Rev.: A

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Document No.: 5013381-CA-2011.DWG

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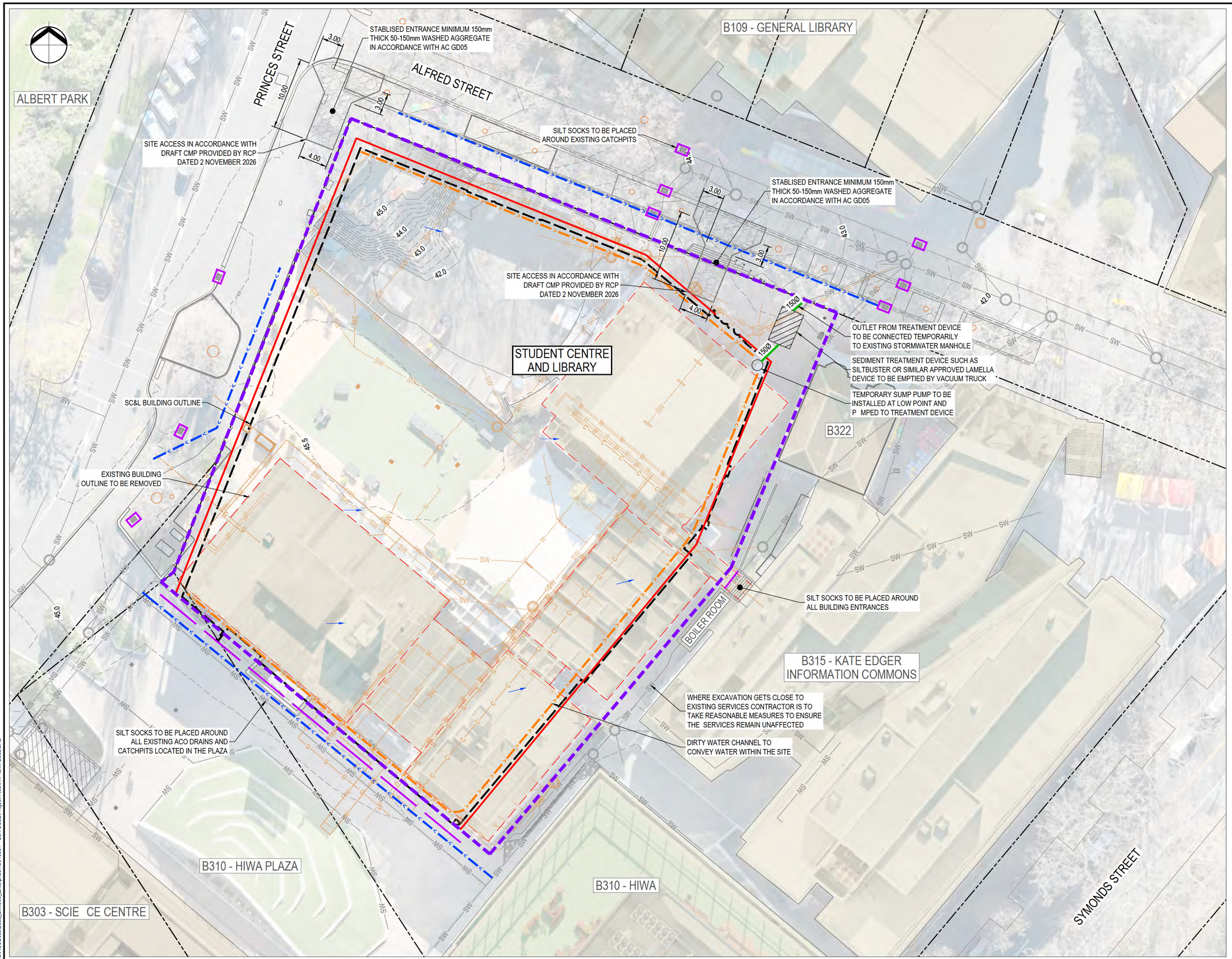
Drawing Plotted: 12 Nov 2026 2:09 p.m.



LEGEND:

- EXTENT OF EARTHWORKS
- CADASTRAL BOUNDARY
- NEW BUILDING OUTLINE
- EXISTING BUILDINGS
- 41.0 EXISTING CONTOUR MAJOR (1.0m)
- 40.75 EXISTING CONTOUR MINOR (0.25m)
- FLOW DIRECTION
- SILT FENCE
- SILT SOCK
- LAMELLA DEVICE
- DIRTY WATER CHANNEL
- CLEAN WATER DIRECTION
- TEMPORARY STORMWATER CONNECTION
- EXISTING STORMWATER
- EXISTING STORMWATER TBA
- EXISTING WASTEWATER TBA
- EXISTING COMMS TBA
- EXISTING GAS MAIN TBA
- EXISTING WATER MAIN TBA
- EXISTING FIRE WATER TBA
- EXISTING TREE TRUNK & DRIPLINE

NOTES:

1. CLEAN WATER RUNOFF FROM ADJACENT ROADS AND UNDISTURBED AREAS SHALL BE PREVENTED FROM ENTERING THE CONSTRUCTION AREA BY MEANS OF TEMPORARY BUNDS, BARRIERS, OR EQUIVALENT DIVERSION MEASURES. CLEAN WATER SHALL BE DIVERTED TO THE EXISTING STORMWATER NETWORK.
2. THIS DRAWING IS A DRAFT EROSION AND SEDIMENT CONTROL PLAN AND IS PROVIDED AS A GUIDELINE FOR THE MINIMUM CONTROLS REQUIRED. FINAL EROSION AND SEDIMENT CONTROLS SHALL BE CONFIRMED ON SITE AND MAY NEED TO BE MODIFIED AS EXCAVATION PROGRESSES.
3. THE CONTRACTOR SHALL PREPARE AND SUBMIT A STAGED EROSION AND SEDIMENT CONTROL PLAN IN ADVANCE OF ANY CLEARANCE OR EARTHWORKS.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH AUCKLAND COUNCIL GUIDELINE DOCUMENT 2016/005 "EROSION AND SEDIMENT CONTROL GUIDE FOR LAND DISTURBING ACTIVITIES IN THE AUCKLAND REGION" (AC GD05).
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL FEATURES IN ACCORDANCE WITH AC GD05, RELEVANT AUCKLAND COUNCIL STANDARDS, AND ALL RESOURCE CONSENT CONDITIONS AT ALL TIMES. ANY MODIFICATIONS TO THE CONSENTED EROSION AND SEDIMENT CONTROL DRAWING MUST BE APPROVED BY AUCKLAND COUNCIL PRIOR TO CONSTRUCTION.
6. PERMANENT STORMWATER CONTROLS SHALL BE INSTALLED AS EARLY AS PRACTICABLE TO PROVIDE CLEAN WATER DIVERSION AND EARTHWORKS RUNOFF MANAGEMENT.
7. CONTRACTOR SHALL INSTALL PERMANENT STORMWATER WORKS FIRST WHERE NECESSARY FOR USE AS CLEAN WATER CHANNELS AND EARTHWORKS RUNOFF CHANNELS.
8. EXISTING STORMWATER INFRASTRUCTURE TO REMAIN, INCLUDING ACO DRAINS, CATCH PITS, SHALL BE PROTECTED USING SUITABLE SEDIMENT CONTROL MEASURES TO COMPLY WITH GD05 FOR THE DURATION OF WORK.
9. THE SEDIMENT TREATMENT DEVICE SHALL BE FINALISED BY THE CONTRACTOR AFTER CONSIDERING SITE CONSTRAINTS. THE FINAL DEVICE SHALL BE APPROVED AND AGREED WITH AUCKLAND COUNCIL PRIOR TO CONSTRUCTION.
10. SURFACE AREAS OUTSIDE THE EXTENT OF EXCAVATION SHALL BE STABILISED FOLLOWING DEMOLITION WORKS. THESE AREAS SHALL BE GRADED TO ENSURE CLEAN WATER RUNOFF SHEET FLOWS TOWARD THE SITE BOUNDARY. WHERE LOCALISED AREAS ARE DISTURBED FOR MINOR WORKS, APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED.
11. PROVIDE WHEEL WASHING FACILITIES IF REQUIRED.

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
A	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26

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Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

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Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EROSION AND SEDIMENT CONTROL LAYOUT

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-2100

Rev.: B

Document No. 5013381-CA-2100.DWG

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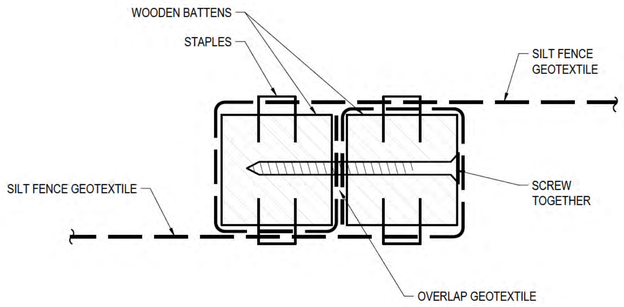
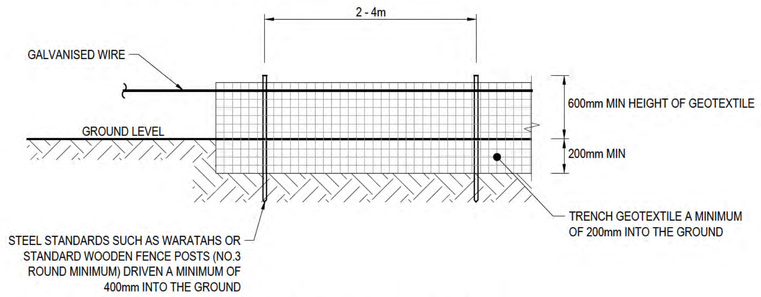
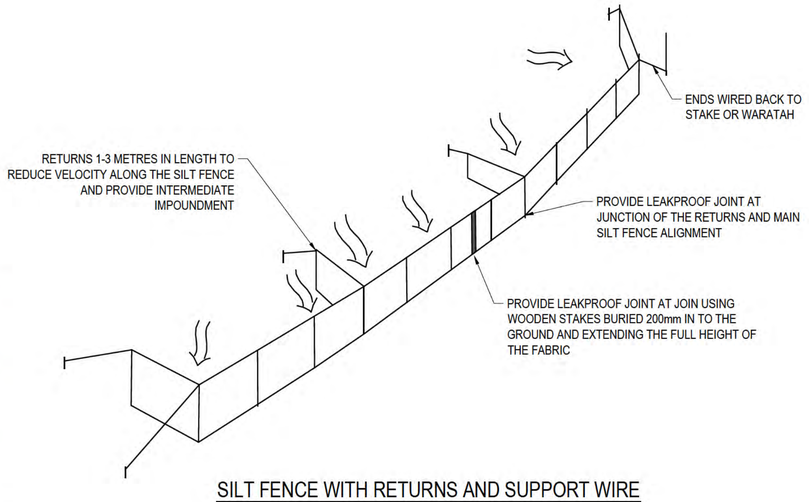


SILT FENCE GEOTEXTILE JOIN SECTIONAL PLAN
NTS

POST SPACING CAN BE INCREASED FROM 2 METRES TO 4 METRES IF SUPPORTED BY A 2.5mm DIAMETER HIGH TENSILE WIRE ALONG THE TOP WITH CLIPS EVERY 500mm



SILT FENCE ELEVATION
NTS



SILT FENCE WITH RETURNS AND SUPPORT WIRE
NTS

STEP 1

DIG A 200mm DEEP TRENCH

STEP 2

HAMMER IN 1m WARATAHS OR WOODEN FENCE POST 200mm INTO THE TRENCH, THEREFORE 600mm BELOW ORIGINAL GROUND LEVEL

STEP 3

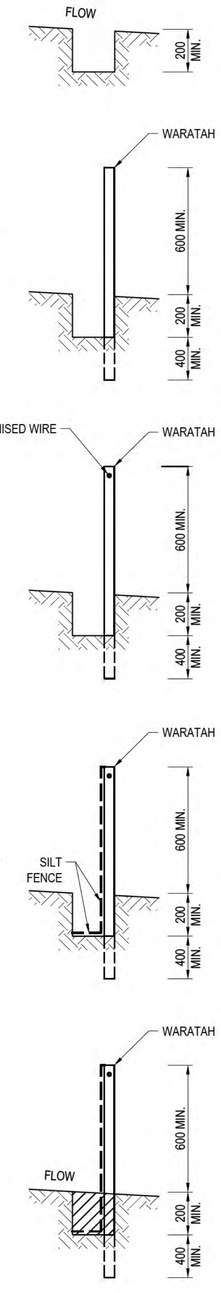
INSTALL SINGLE GALVANISED WIRE AND TENSION IT AT 50m INTERVALS

STEP 4

INSTALL SINGLE LAYER OF SILT FENCE GEOTEXTILE FABRIC HARD AGAINST THE SIDE OF THE TRENCH (800mm TOTAL HEIGHT)

STEP 5

BACK FILL AND COMPACT WELL (CRITICAL)



SILT FENCE CONSTRUCTION METHOD
NTS



NOTES:

1. REFER TO DRAWING 5013381-CA-2100 FOR LOCATION OF STABILISED ENTRANCEWAY ON PROPERTY BOUNDARY.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
4. SEDIMENT CONTROL SHALL COMPLY AND BE INSTALLED AND OPERATIONAL BEFORE EARTHWORKS START ONSITE IN ACCORDANCE WITH AUCKLAND'S GD05 STANDARDS.

ORIGINAL DRAWING IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
A	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26

Original Scale (A1)	N.T.S	Approved For Construction*	
Reduced Scale (A3)	N.T.S		

Design	L.CAMERON	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EROSION AND SEDIMENT CONTROL DETAILS SHEET 1

Discipline: CIVIL ENGINEERING

Drawing No.: 5013381-CA-2101

Rev.: B

Document No. 5013381-CA-2101.DWG

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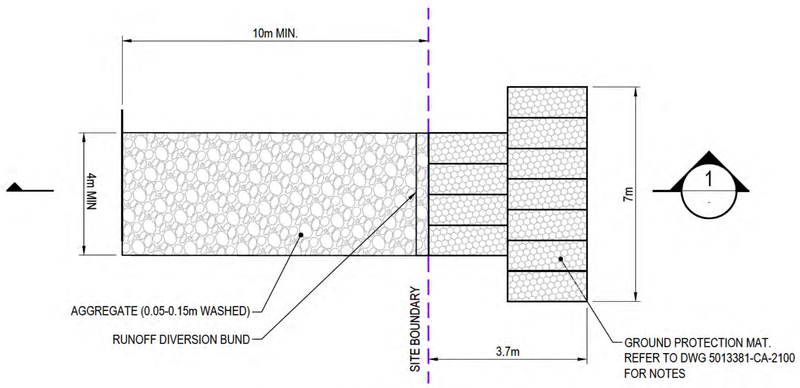
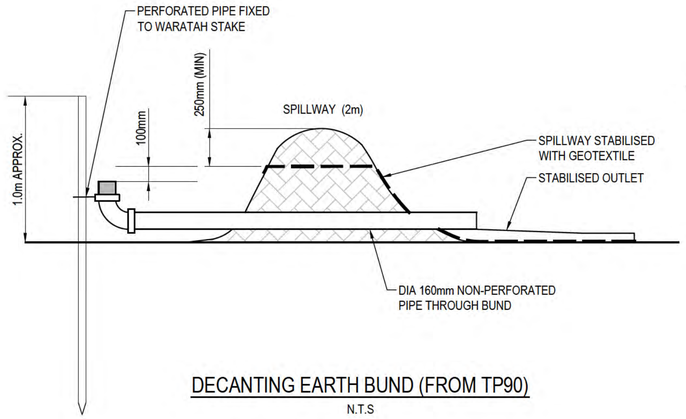
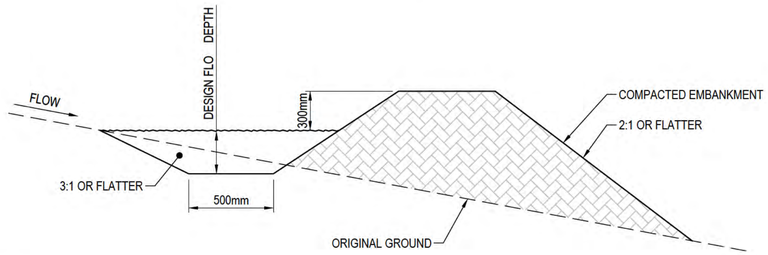


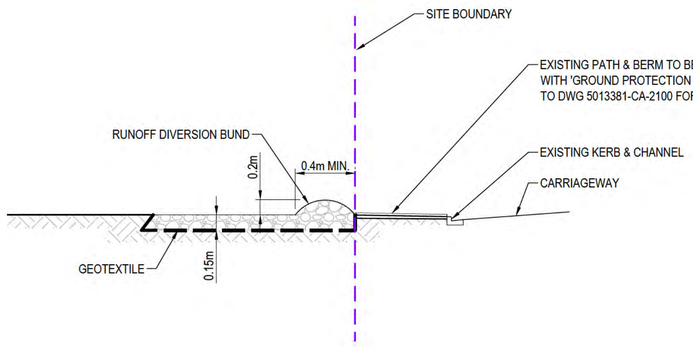
STABILISED ENTRANCEWAY - PLAN
N.T.S



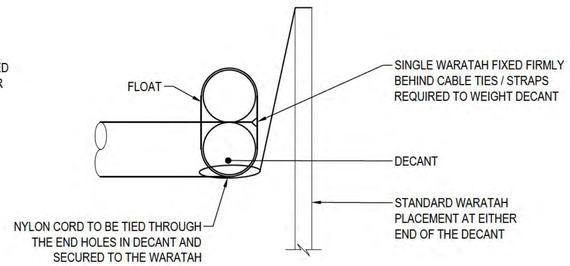
DECANTING EARTH BUND (FROM TP90)
N.T.S



DIRTY WATER RUN-OFF DIVERSION CHANNEL
N.T.S



1 SECTION - STABILISED ENTRANCEWAY
N.T.S



DECANT DETAILS
N.T.S



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B	FOR FTAA SUBSTANTIVE CONSENT APPLICATION	SZ	RR	CJB	30.10.26
A	REVISED CONCEPT DESIGN	SZ	RR	CJB	28.09.26

Original Scale (A1) N.T.S
Reduced Scale (A3) N.T.S

Design	L.CAMERON	21.08.26	Approved For Construction*
Drawn	A.FRANCOMBE	21.08.26	
Dsg Verifier	C.BREYTENBACH	30.10.26	
Drg Check	R.GARCIA	28.10.26	Date

* Refer to Revision 1 for Original Signature

Client: Waipapa Taumata Rau University of Auckland

Project: UNIVERSITY OF AUCKLAND STUDENT CENTRE AND LIBRARY

Title: EROSION AND SEDIMENT CONTROL DETAILS SHEET 2

Discipline: CIVIL ENGINEERING

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