SHEET LIST SHEET NUMEBR SHEET NAME REVISION CURRENT STATUS

RC-01	COVER SHEET	Н	RC S127 APPLICATION	
RC-02	OPTIONS EXPLORED			NOT INCLUDED
RC-03	EXISTING DEMOLITION PLAN	D	RC S127 APPLICATION	NOT INOLODED
RC-04	SITE - PROPOSED PLAN	G	RC S127 APPLICATION	
RC-05	SITE - GROUND FLOOR PLAN	G	RC S127 APPLICATION	
RC-06	SITE - LEVEL 1 PLAN	E	RC S127 APPLICATION	
RC-07	SITE - LEVEL 2 PLAN	E	RC S127 APPLICATION	
RC-08	TYPICAL FLOOR PLAN- APARTMENT A	E	RC S127 APPLICATION	
RC-09	TYPICAL FLOOR PLAN- APARTMENT B	F	RC S127 APPLICATION	
RC-10	SITE- HIRTB	G	RC S127 APPLICATION	
RC-11	SITE - BUILDING COVERAGE	E	RC S127 APPLICATION	
RC-12	SITE- IMPERMEABLE AREA	E	RC S127 APPLICATION	
RC-13	SITE - LANDSCAPE AREA	E	RC S127 APPLICATION	
RC-14	SITE - OUTDOOR LIVING SPACE	E	RC S127 APPLICATION	
RC-15	SITE - GROUND FLOOR ROOM OUTLOOK	E	RC S127 APPLICATION	
RC-16	SITE - LEVEL 1 ROOM OUTLOOK	D	RC S127 APPLICATION	
RC-17	SITE - LEVEL 2 ROOM OUTLOOK	D	RC S127 APPLICATION	
RC-18	SOLAR STUDIES	F	RC S127 APPLICATION	
RC-19	PROPOSED SITE ELEVATIONS	Н	RC S127 APPLICATION	
RC-20	PROPOSED SITE ELEVATIONS	Н	RC S127 APPLICATION	
RC-21	PERSPECTIVES	G	RC S127 APPLICATION	
RC-22	DESIGN DATA SHEET	Е	RC S127 APPLICATION	
		_		

NOTES:

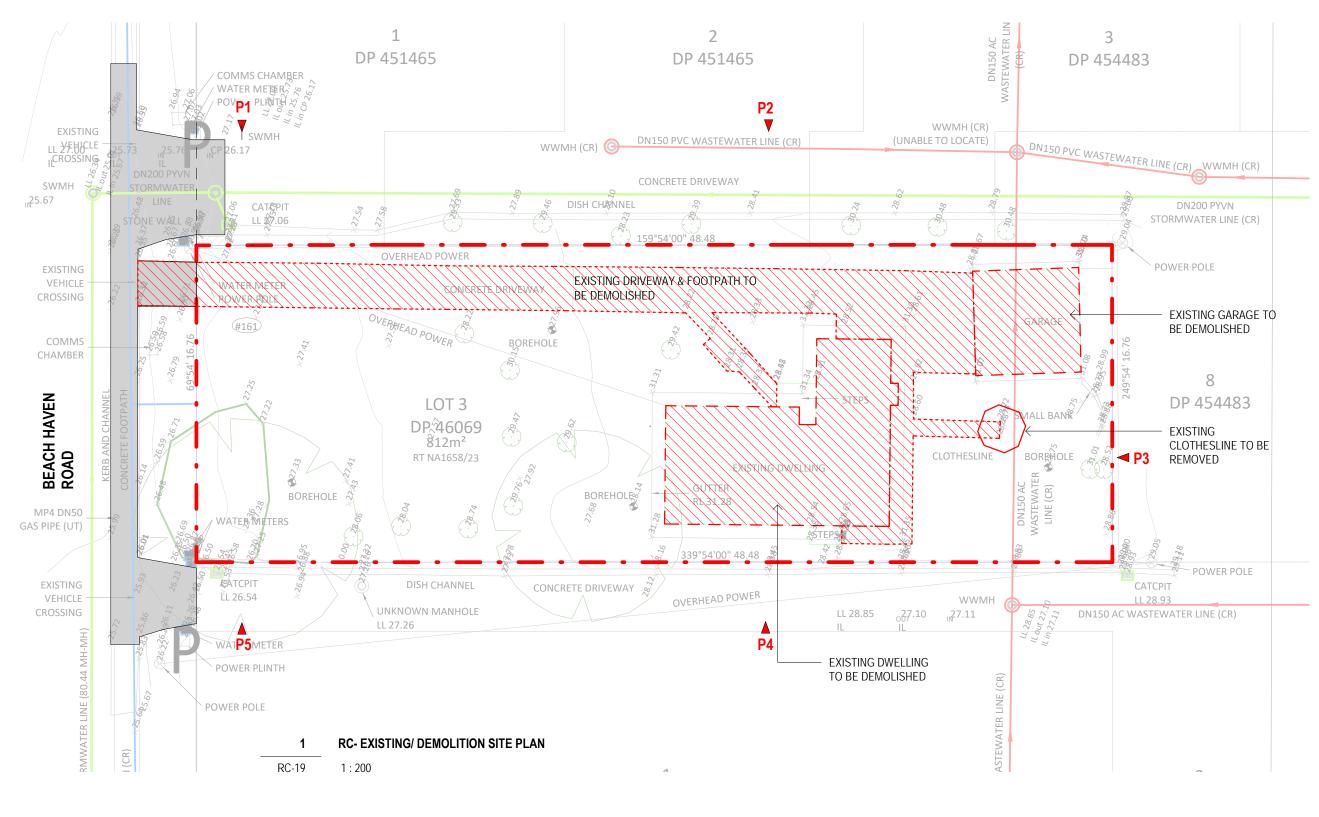
ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH OTHER CONSULTANTS DOCUMENTATION: CIVIL, GEOTECHNICAL, TOWNPLANNING, LANDSCAPING AND TRAFFIC ENGINEERING

LUC60345383-A Approved Resource Consent Plan

Auckland Council

15/12/2021

PROJECT:



SITE PLAN GENERAL LEGEND:

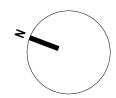
NOTE:

EXISTING BUILDING TO BE DEMOLISHED

EXISTING DRIVEWAY/ FOOTPATH TO BE DEMOLISHED

EXISTING DRIVEWAY/ FOOTPATH TO REMAIN REFER TO PROPOSED SITE PLAN AND LANDSCAPE PLAN FOR EXTENT OF REMOVAL OF EXISTING VEGETATION.

REFER TO CIVIL DOCUMENTATION FOR MORE INFORMATION



RC S127 APPLICATION

CLIENT: PROJECT:

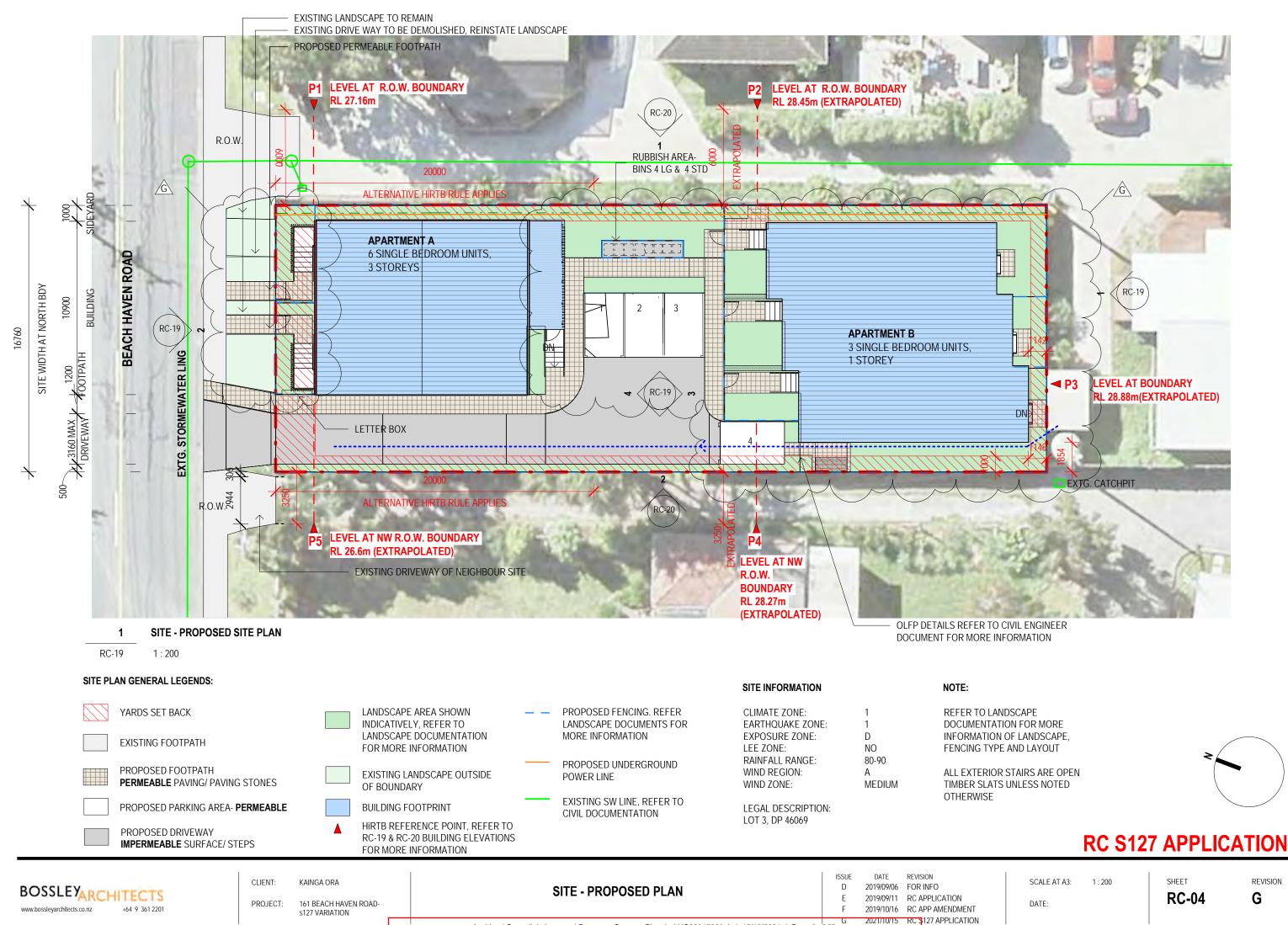
KAINGA ORA 161 BEACH HAVEN ROAD-s127 VARIATION

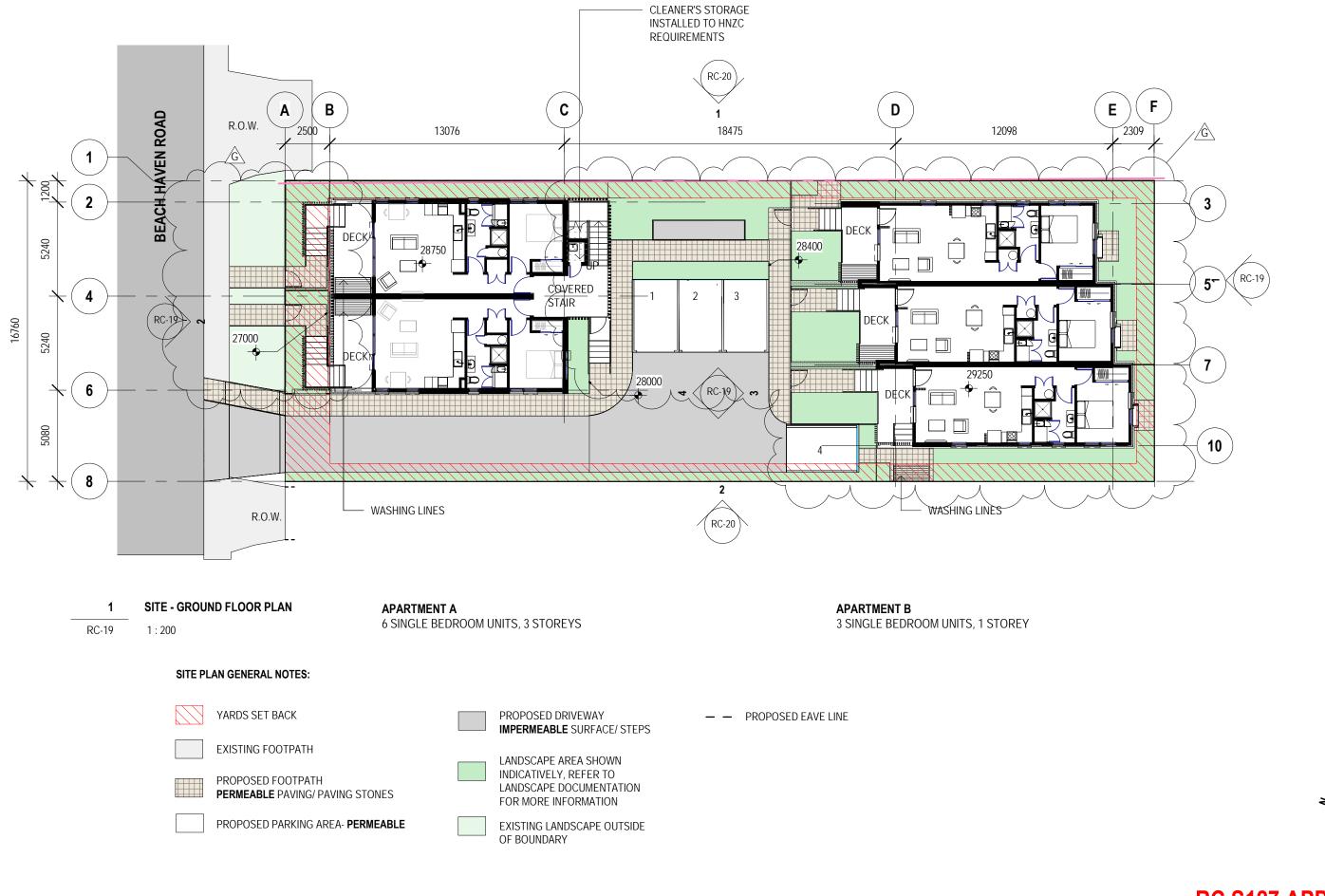
DATE ISSUE REVISION 2019/07/26 RC Α 2019/09/11 RC APPLICATION 2019/10/16 RC APP AMENDMENT 2021/10/15 RC \$127 APPLICATION

SCALE AT A3: 1:200 DATE:

SHEET **RC-03**

REVISION D





CLIENT:

PROJECT:

BOSSLEYARCHITECTS

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KAINGA ORA

161 BEACH HAVEN ROAD-s127 VARIATION

RC S127 APPLICATION

SHEET

RC-05

D 2019/08/29 FOR TAG REVIEW SITE - GROUND FLOOR PLAN 2019/09/06 FOR INFO 2019/09/11 RC APPLICATION 2021/10/15 RC \$127 APPLICATION Auckland Council | Approved Resource Consent Plan | LUC60345383-A | 15/12/2021 | Page 4 of 52

REVISION

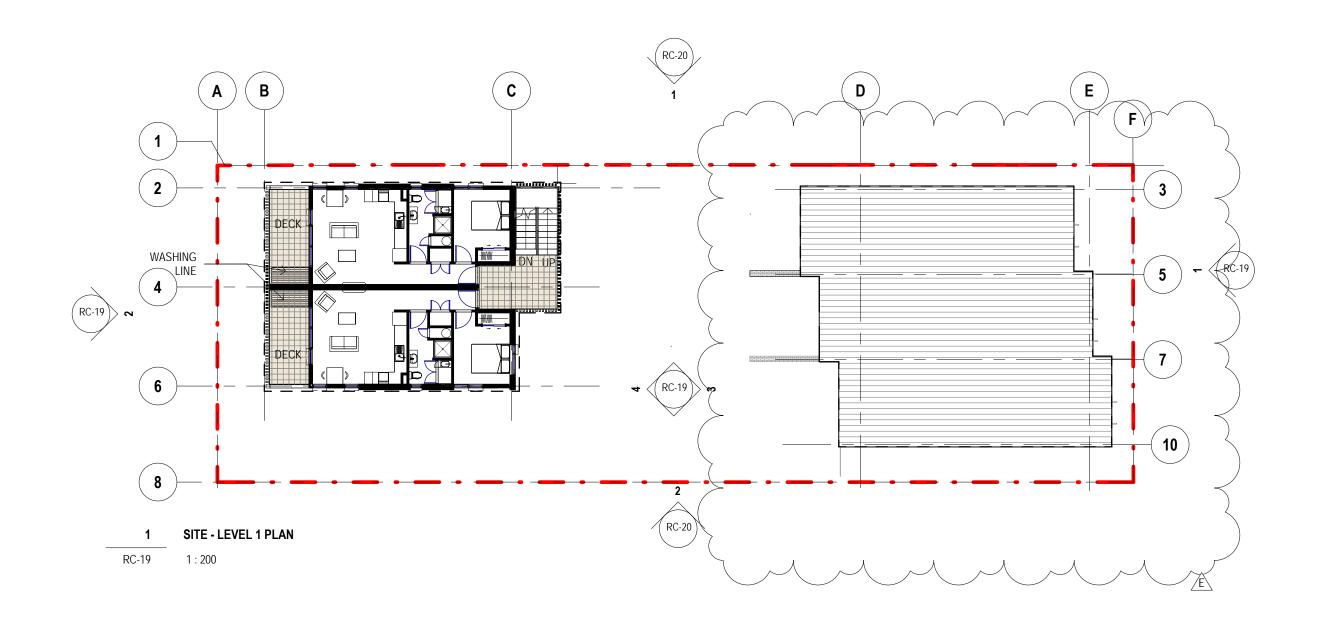
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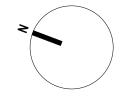
DATE:

1:200

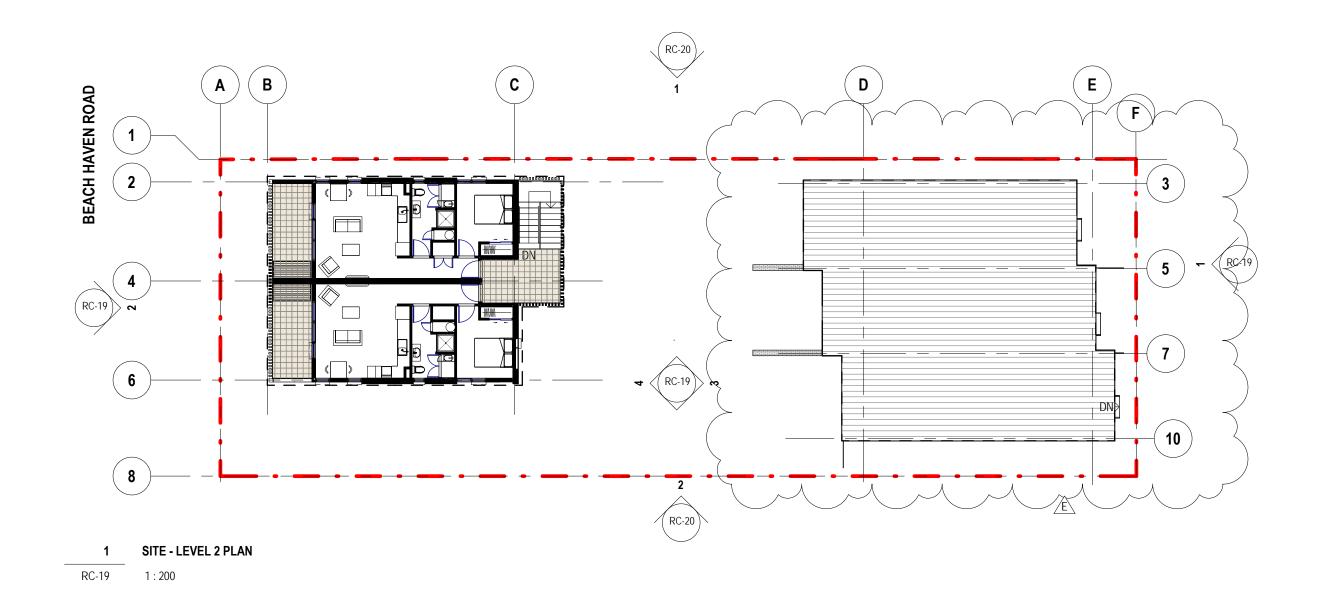
REVISION

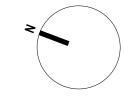
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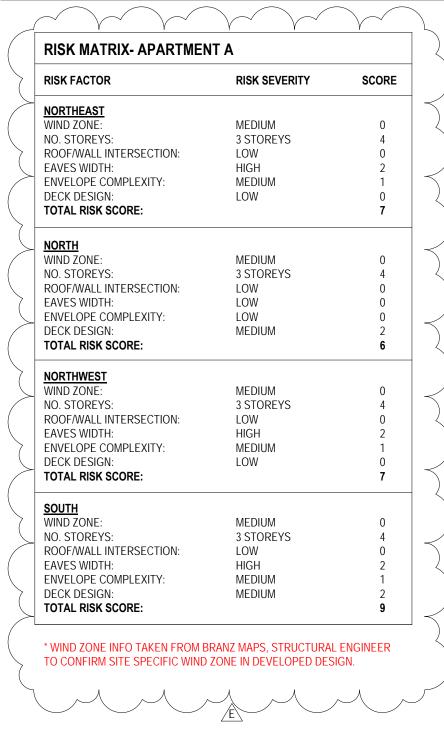


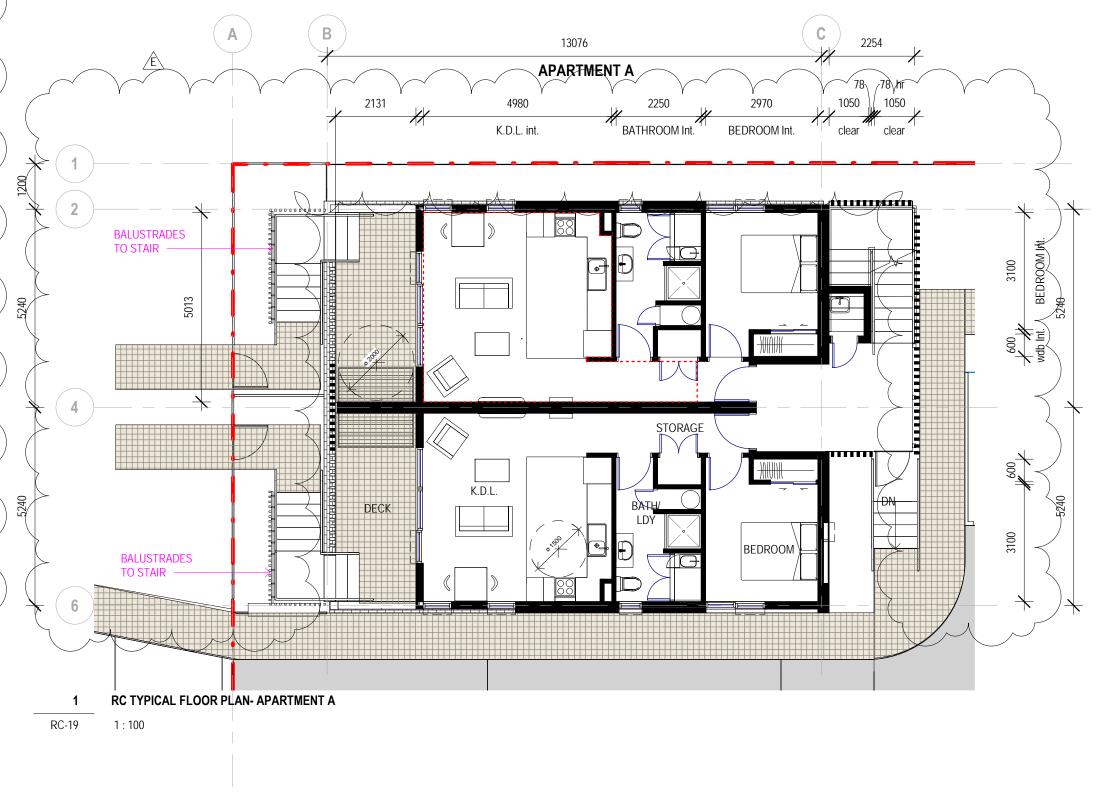
DATE:





DATE:





KAINGA ORA

CLIENT:

PROJECT:

161 BEACH HAVEN ROAD-s127 VARIATION

TYPICAL FLOOR PLAN- APARTMENT A

2019/08/14 FOR INFO 2019/08/29 FOR TAG REVIEW 2019/09/11 RC APPLICATION 2021/10/15 RC \$127 APPLICATION

SCALE AT A3: As indicated

DATE:

SHEET **RC-08**

Ε



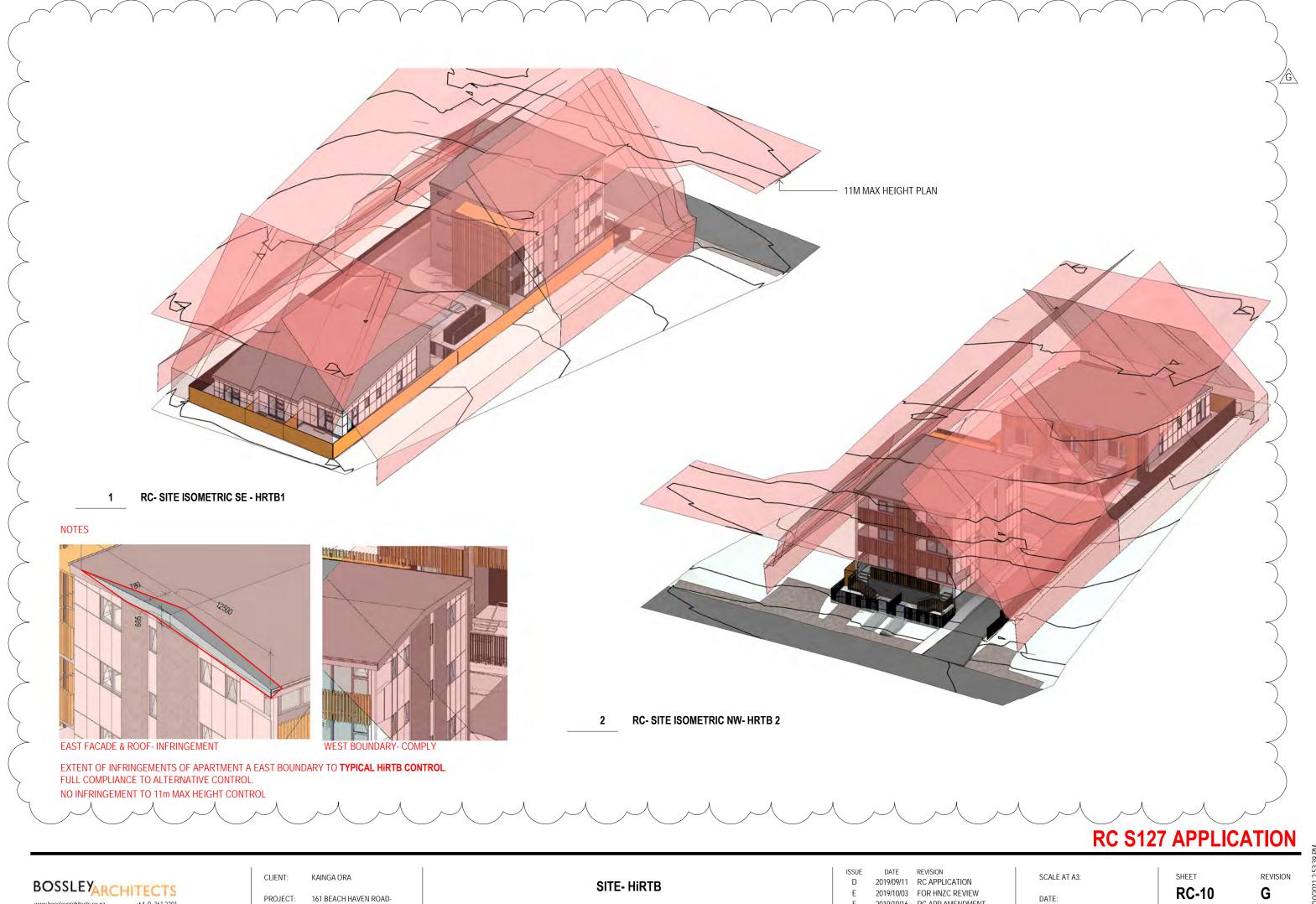
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161 BEACH HAVEN ROADs127 VARIATION

PROJECT:

2019/09/06 FOR INFO 2019/09/11 RC APPLICATION 2021/10/15 RC \$127 APPLICATION Auckland Council | Approved Resource Consent Plan | LUC60345383-A | 15/12/2021 | Page 8 of 52

DATE:



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161 BEACH HAVEN ROAD-s127 VARIATION

2019/10/16 RC APP AMENDMENT 2021/10/15 RC \$127 APPLICATION



*

RC S127 APPLICATION

CLIENT: KAINGA ORA

PROJECT: 161 BEACH HAVEN ROAD\$127 VARIATION

SITE - BUILDING COVERAGE

| ISSUE | DATE | REVISION | REVIEW | FOR TAG REVIEW | FOR INFO | D | 2019/09/11 | RC APPLICATION | E | 2021/10/15 | RC \$127 APPLICATION |

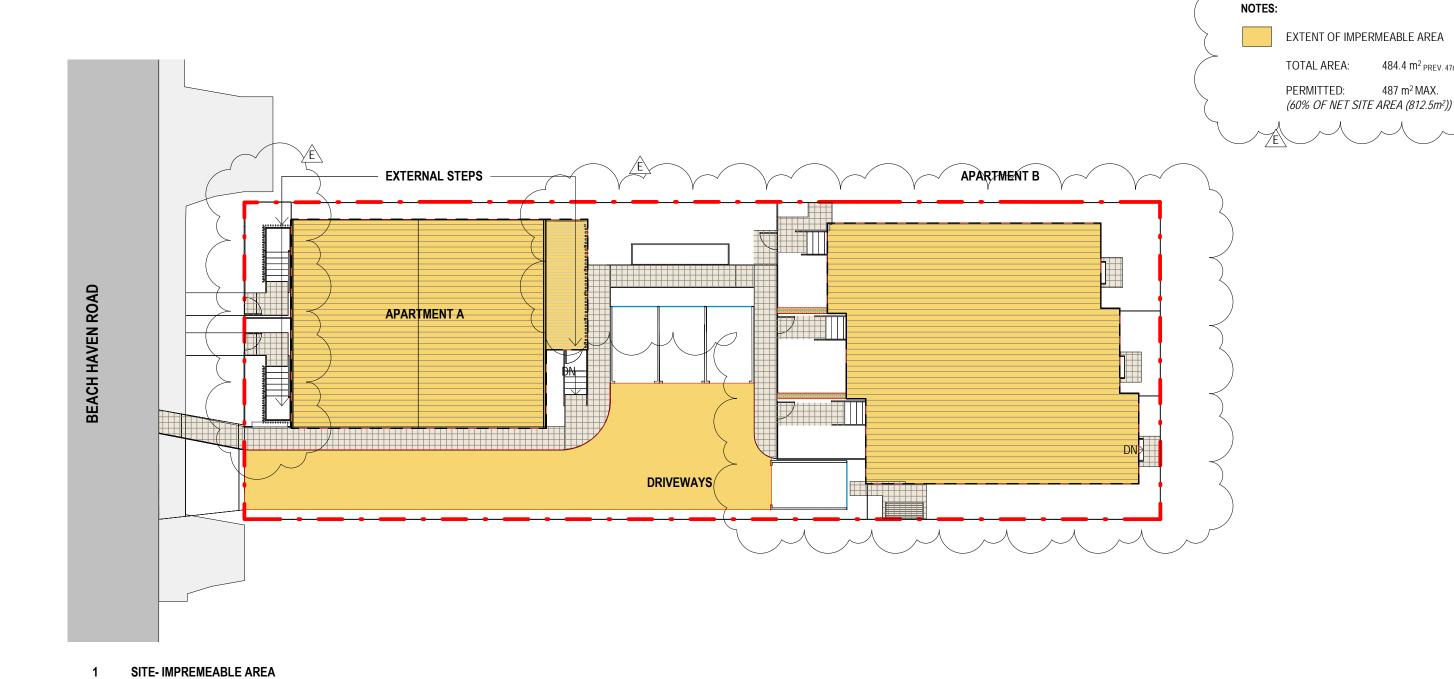
SCALE AT A3: 1 : 200

DATE:

SHEET RC-11

REVISI

REVISION **E**



RC-19

1:200

CLIENT: KAINGA ORA 161 BEACH HAVEN ROAD-s127 VARIATION PROJECT:

SITE-IMPERMEABLE AREA

REVISION 2019/08/29 FOR TAG REVIEW 2019/09/06 FOR INFO 2019/09/11 RC APPLICATION 2021/10/15 RC \$127 APPLICATION Auckland Council | Approved Resource Consent Plan | LUC60345383-A | 15/12/2021 | Page 11 of 52

SCALE AT A3: 1 : 200 DATE:

SHEET **RC-12** REVISION Ε

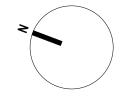
484.4 m² PREV. 476.6

487 m² MAX.



I SITE - LANDSCAPE AREA

RC-19 1:200



RC S127 APPLICATION

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CLIENT: KAINGA ORA

PROJECT: 161 BEACH HAVEN ROAD\$127 VARIATION

SITE - LANDSCAPE AREA

SCALE AT A3: 1 : 200

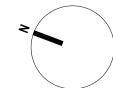
DATE:

200 S

SHEET RC-13

REVISION **E**





BOSSLEYARCHITECTS
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CLIENT: KAINGA ORA

PROJECT: 161 BEACH HAVEN ROAD\$127 VARIATION

SITE - OUTDOOR LIVING SPACE

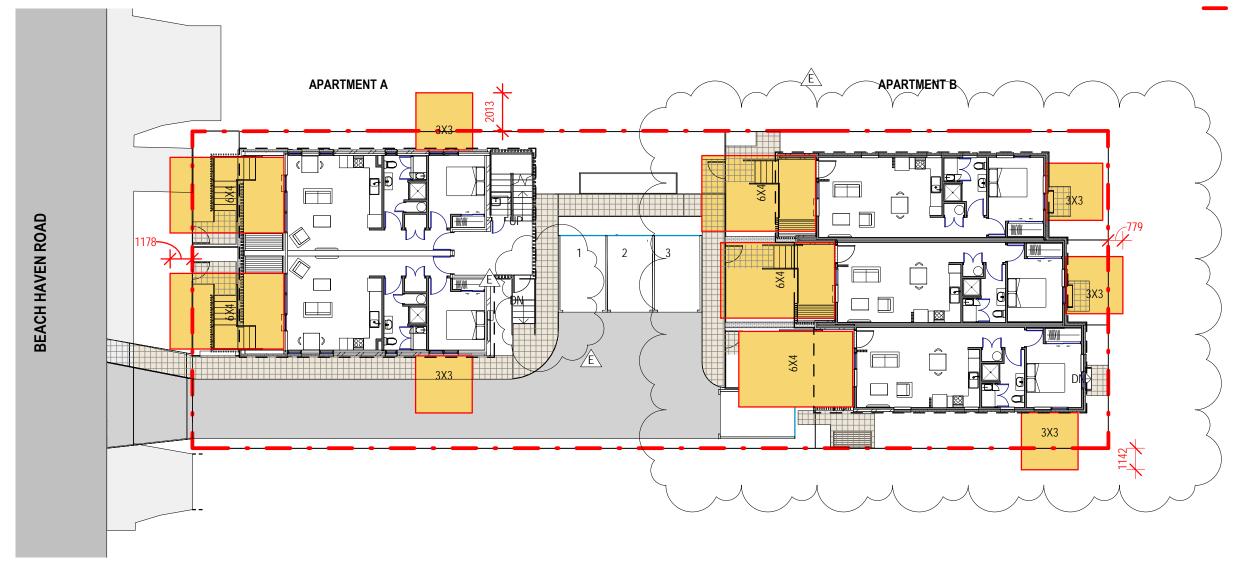
SCALE AT A3: 1 : 200

DATE:

SHEET RC-

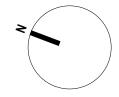
SHEET RC-14

REVISION **E**



SITE - GROUND FLOOR ROOM OUTLOOK

RC-19 1:200



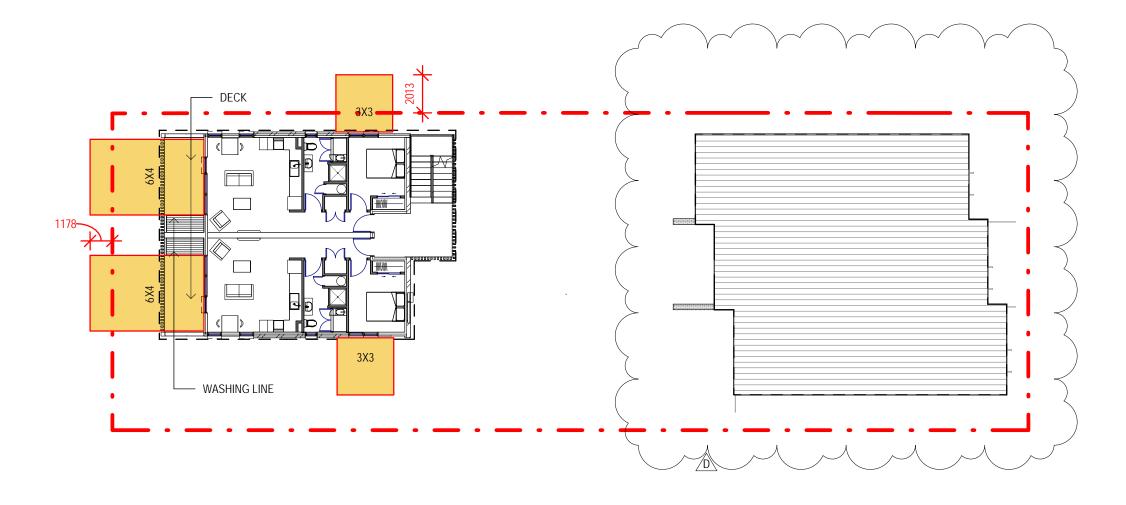
RC S127 APPLICATION

DATE:

SHEET **RC-15** REVISION Ε

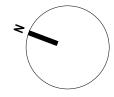
PROPERTY BOUNDARIES

BEACH HAVEN ROAD



SITE - LEVEL 1 PLAN OUTLOOK SPACE

RC-19 1:200



RC S127 APPLICATION

CLIENT: KAINGA ORA PROJECT:

161 BEACH HAVEN ROAD-s127 VARIATION

SITE - LEVEL 1 ROOM OUTLOOK

DATE 2019/07/26 RC 2019/08/29 FOR TAG REVIEW 2019/09/11 RC APPLICATION 2021/10/15 RC \$127 APPLICATION

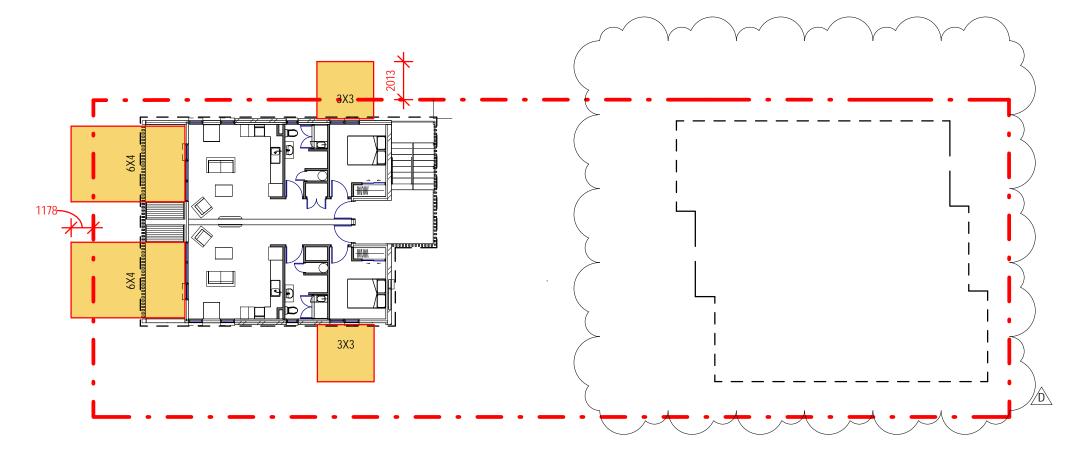
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DATE:

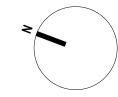
SHEET **RC-16**

D

PROPERTY BOUNDARIES



1 SITE - LEVEL 2 PLAN OUTLOOK SPACE
1: 200



RC S127 APPLICATION

CLIENT: KAINGA ORA

PROJECT: 161 BEACH HAVEN ROADs127 VARIATION

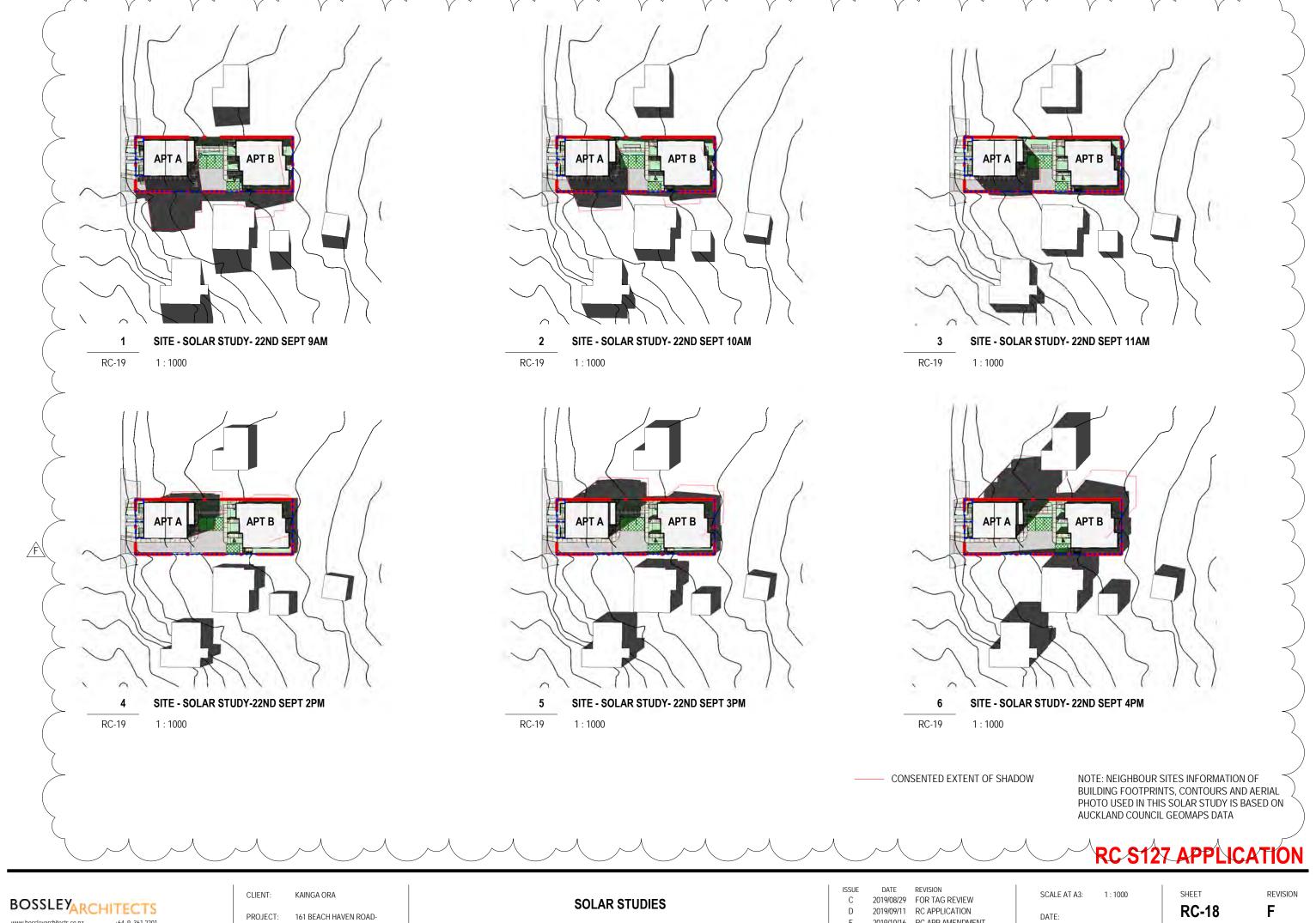
SITE - LEVEL 2 ROOM OUTLOOK

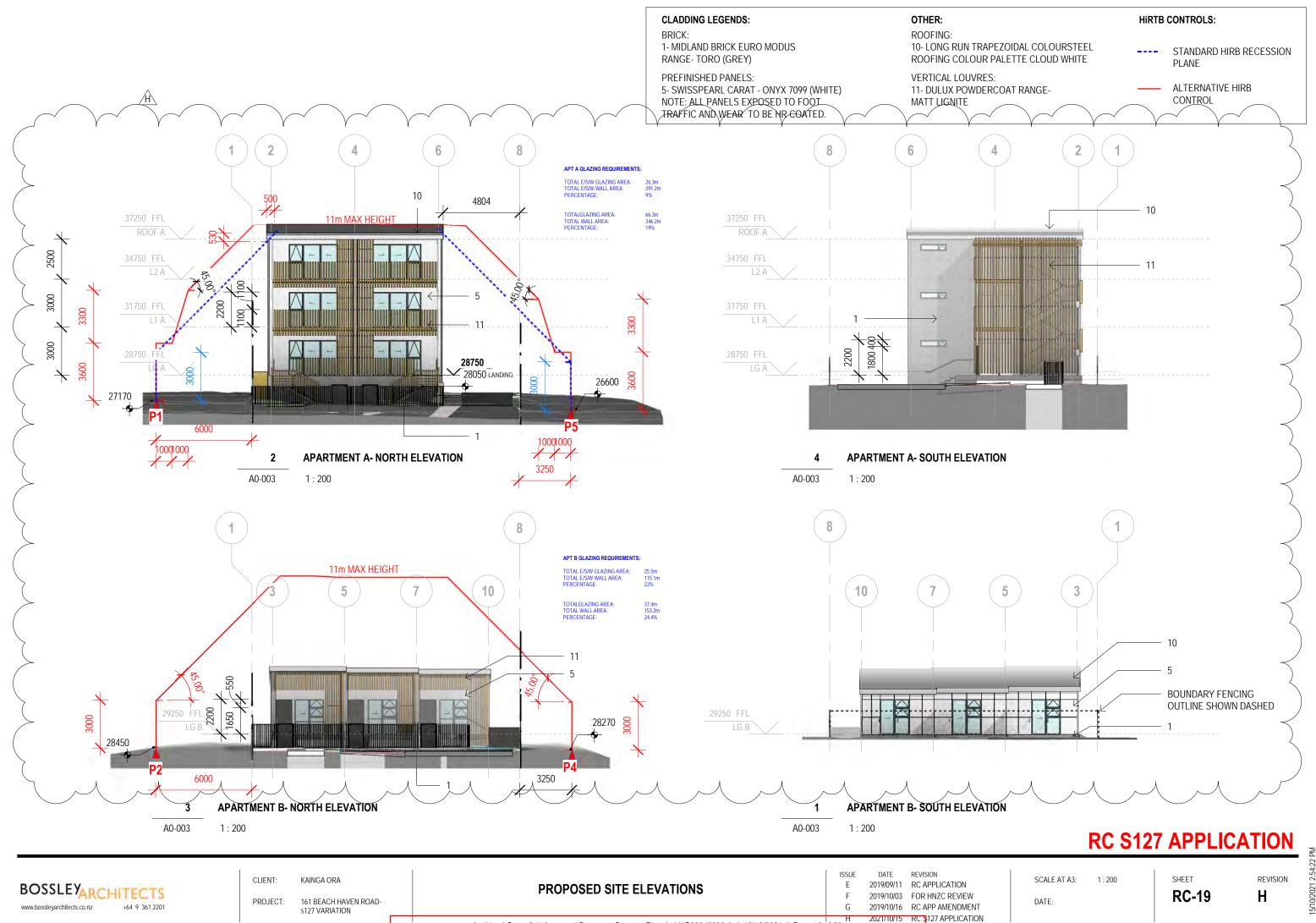
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DATE:

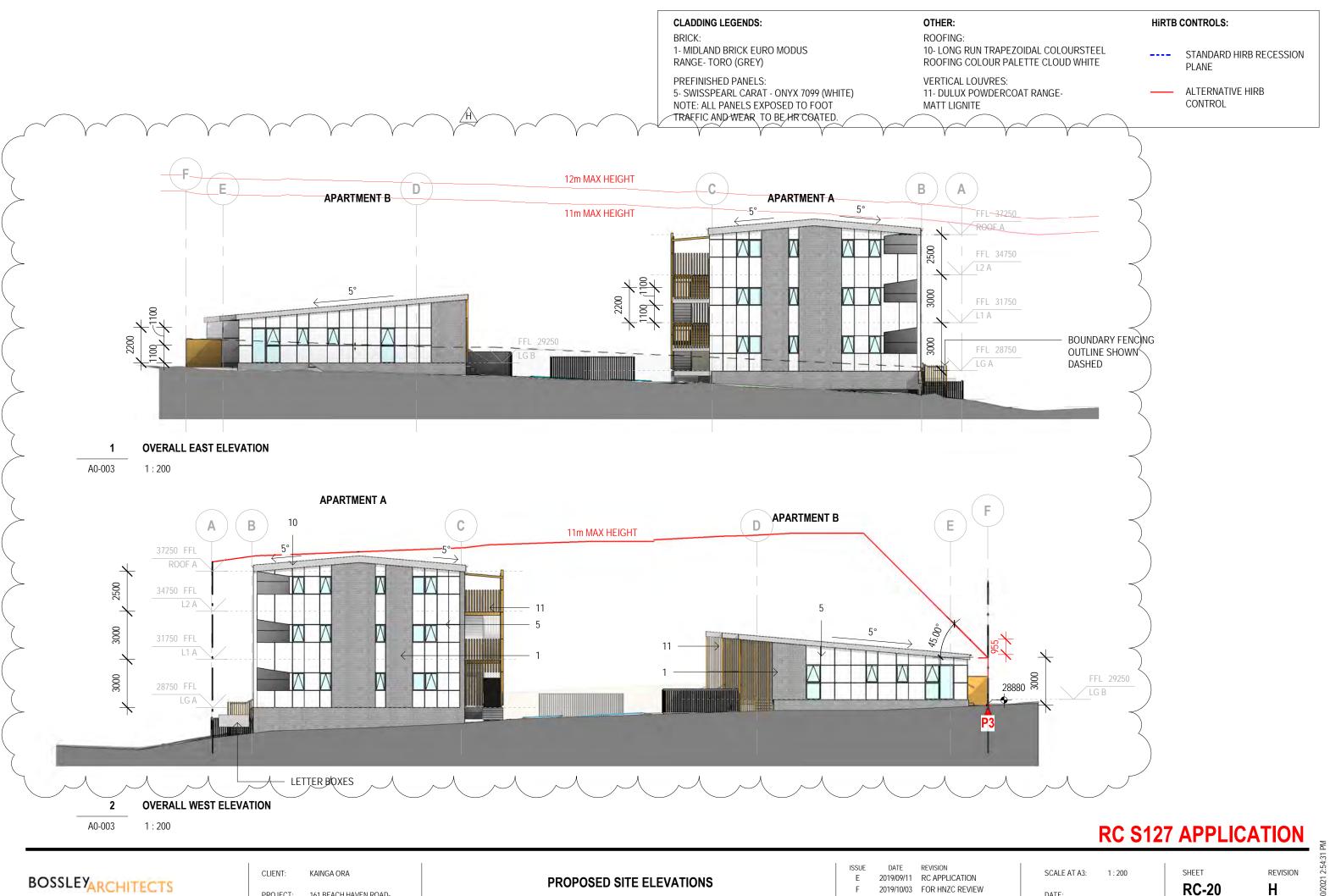
SHEET RC-17

REVISION **D**





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PROJECT:

161 BEACH HAVEN ROAD-s127 VARIATION

2019/10/03 FOR HNZC REVIEW 2019/10/16 RC APP AMENDMENT 2021/10/15 RC \$127 APPLICATION

DATE:

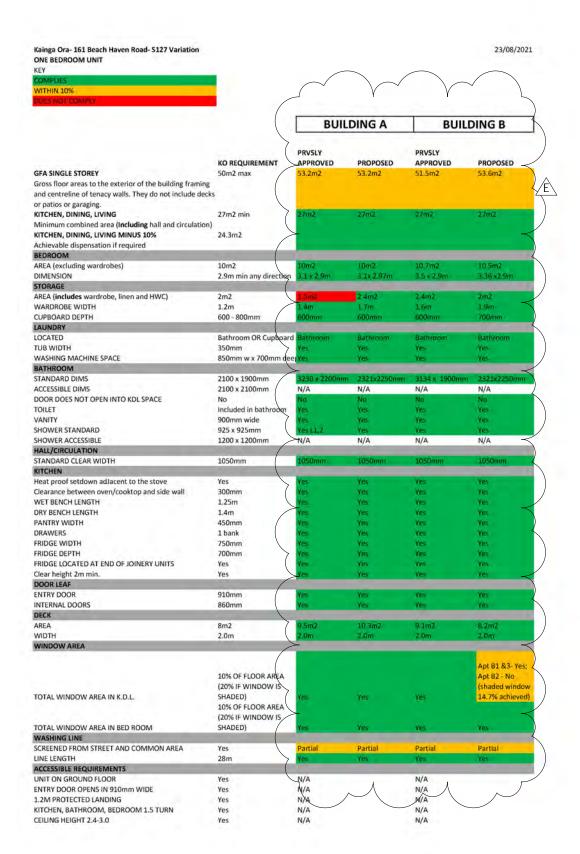


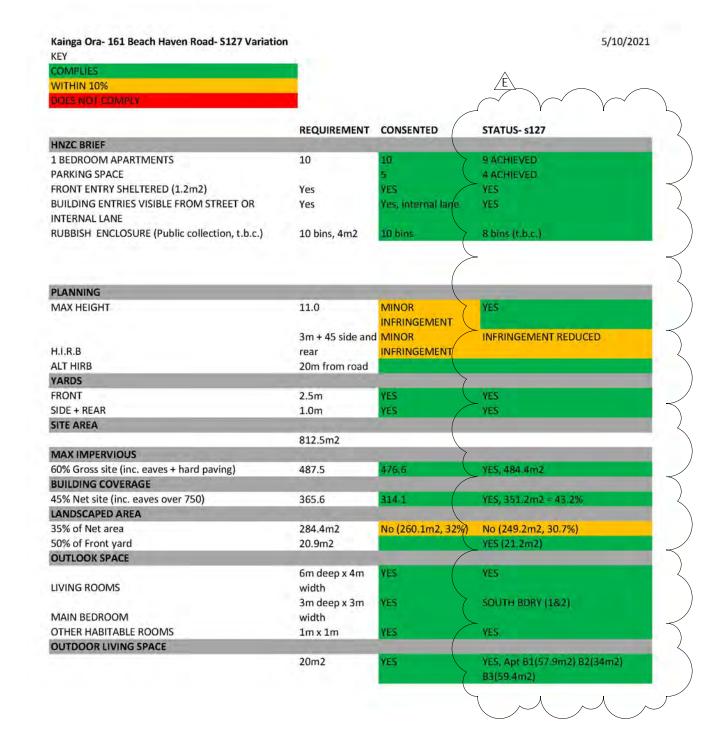


RC CONSENTED

S127 PROPOSED

RC S127 APPLICATION





KAINGA ORA

CLIENT:

PROJECT: 161 BEACH HAVEN ROADs127 VARIATION DESIGN DATA SHEET

SCALE AT A3: DATE: SHEET RC-22

REVISION **E**

Landscape Design Statement

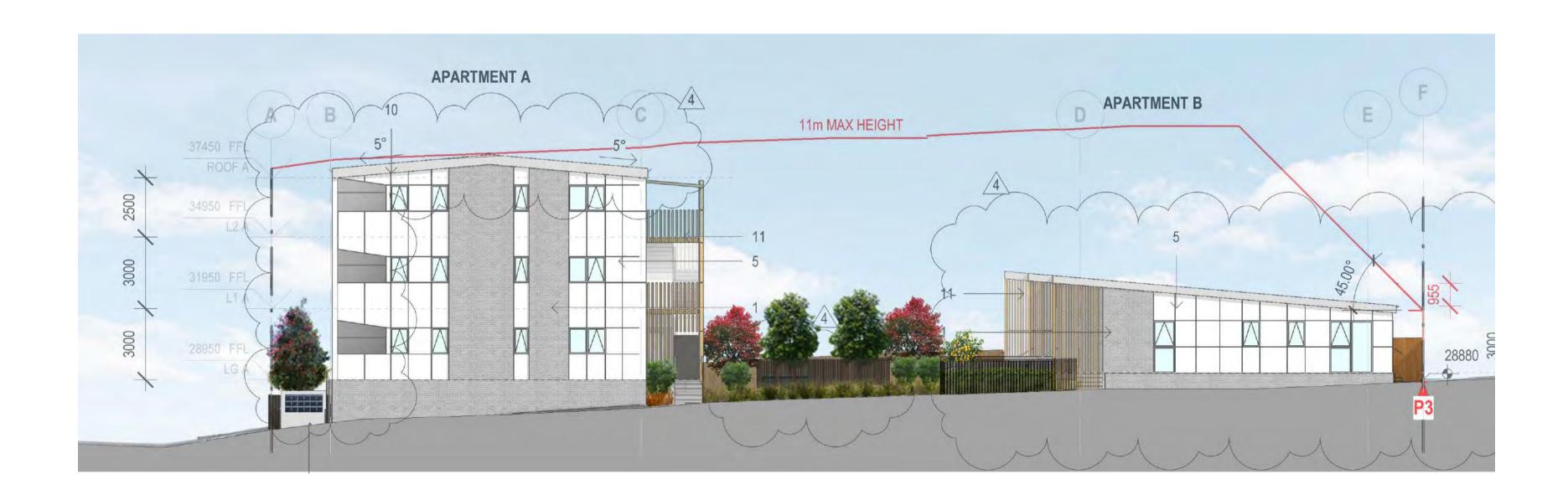
161 Beach Haven Road which is located approximately 15 minutes north of Auckland City by car and is currently made up of 1 single story dwelling. The proposed development is for 2 apartment blocks. Apartment A is a 3-story high building located adjacent to Beach Haven Road, the block consists of 6 single bedroom units with two of the ground floor units having private walk up access directly off Beach Haven Road. Apartment B is a single-story apartment block at the rear of the site consisting of 3 single bedroom units, each unit has their own access and private garden areas. The site is very well connected to the wider city. A bus stop is 80 meters walking distance from the development and it is a 16-minute walk to the Beach Haven ferry terminal where there is a direct link to the city. This makes the development ideal for school children, tertiary students and working professionals. Within a 400-meter walking distance there are many public amenities such as shops, sports fields, parks, schools and community centres.

The landscape character of the site and wider area has a strong, evergreen framework with lots of coastal flowering species. The specimen trees proposed along the frontage of the development are *Metrosideros excelsa 'Mistral'*. These trees will help reduce any adverse affects the buildings may cause visually to the neighbourhood. The height of these specimens will allow foliage to reach the second story of Apartment A and create a softened facade to the development from the street. Underplanted in the building frontages are colourful, hardy native shrubs which require little to no maintenance. This native plant palette will compliment the specimen trees, aiding in visual softening of the building's foundations and lower walls.

Screening species such as *Pseudopanax lessonii 'Cyril Watson'* have been used to provide privacy where bedroom windows on the ground floor of Apartment A can be seen easily from the drive way. *Alectryon excelsa* specimen trees have been used along the eastern boundary to help with visual softening of the rear apartment on neighbouring sites and provides amenity to the communal areas. The site requires tall specimen trees to help integrate successfully into the neighbourhood as much of the area consists on singular story dwellings. Low planting continues down the driveway and provides maximum visibility for vehicles and pedestrians. Using smaller shrub species also helps break up the hardscape of the driveway and provides a more aesthetically pleasing journey for residents. Permeable paving and standard concrete have been used to define pedestrian and vehicle routes, this will help with safe movement throughout the development. The use of low-level permeable fencing has been used where possible to improve passive surveillance to the street frontage and across the communal carpark area at the rear.











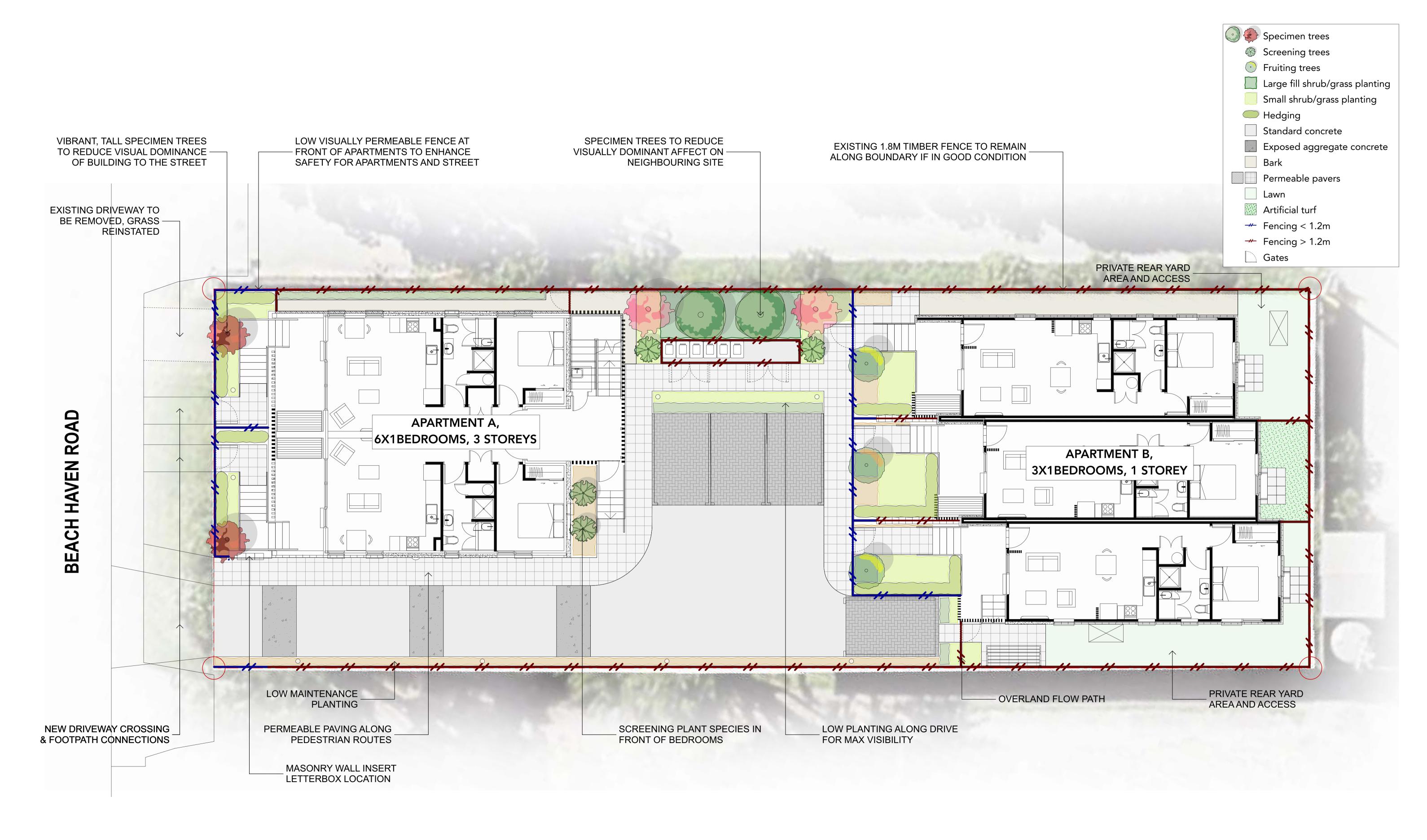
161 Beach Haven Road, Beach Haven, Auckland Drawing

90610/1 Landscape Design Statement

Date
29/09/21
Telephone

Drawn Checked
NL MB
Website

09 309 3600 greenwoodassociates.co.nz







Project

161 Beach Haven Road, Beach Haven, Auckland Drawing

90610/2 General Arrangement Landscape Plan

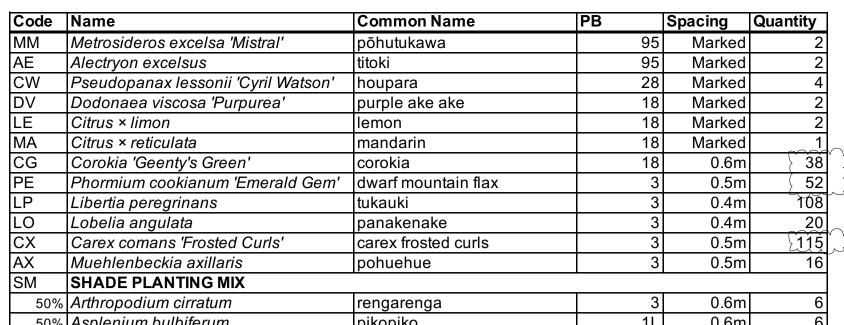
Scale 1:75@A1 1:150@A3

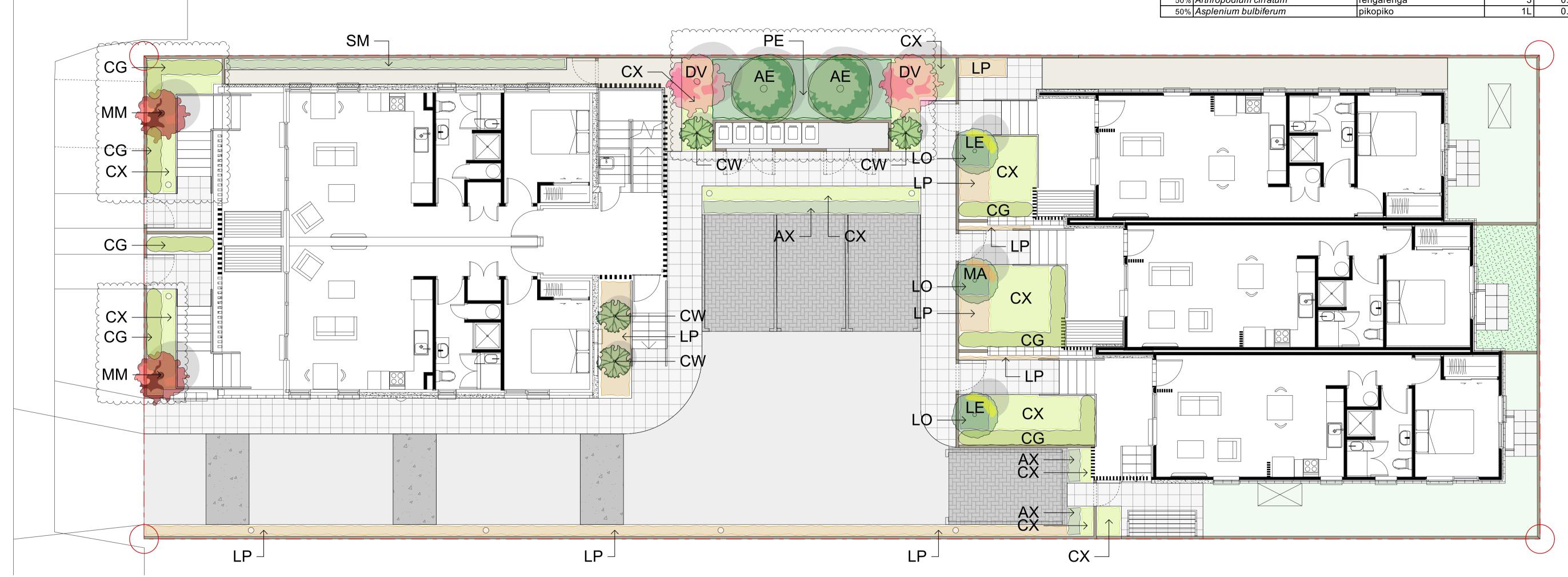
>

S92 Issue Date
25/11/21
Telephone

Drawn Checked
NL MB
Website

09 309 3600 greenwoodassociates.co.nz















Project

161 Reach Haver

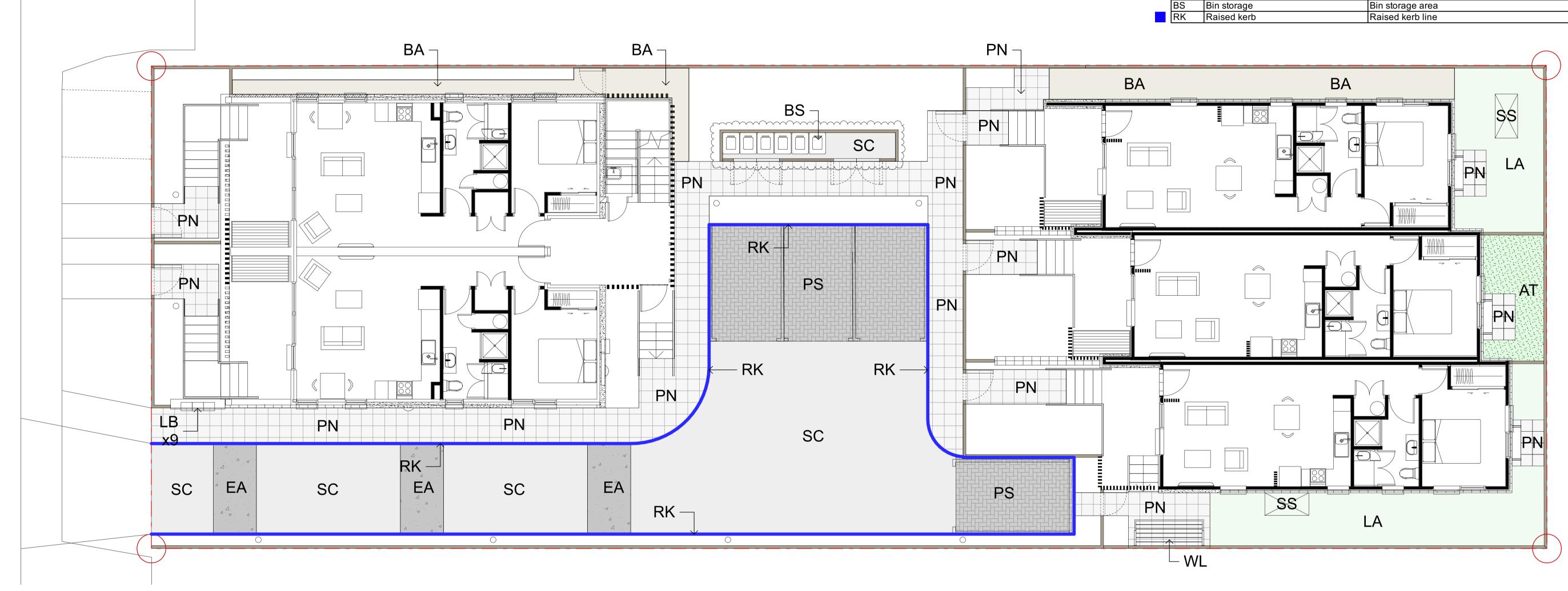
161 Beach Haven Road, Beach Haven, Auckland Drawing 90610/3 Planting Plan Scale 1:75@A1 1:150@A3

S92 Issue Date
25/11/21
Telephone
09 309 3600

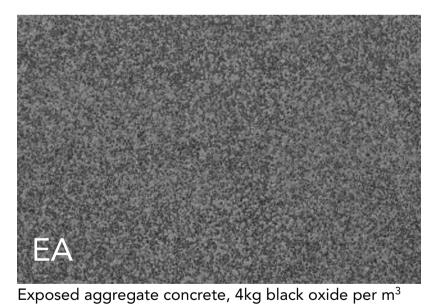
Drawn Checked
NL MB
Website

greenwoodassociates.co.nz















Standard concrete, broom finish





Letterboxes





Drawing 90610/4 Hardscape Plan Scale 1:75@A1 1:150@A3

Folding clothesline

09 309 3600

S92 Issue Date 25/11/21 Telephone

SS

Storage sheds

Drawn Checked MB NL Website greenwoodassociates.co.nz

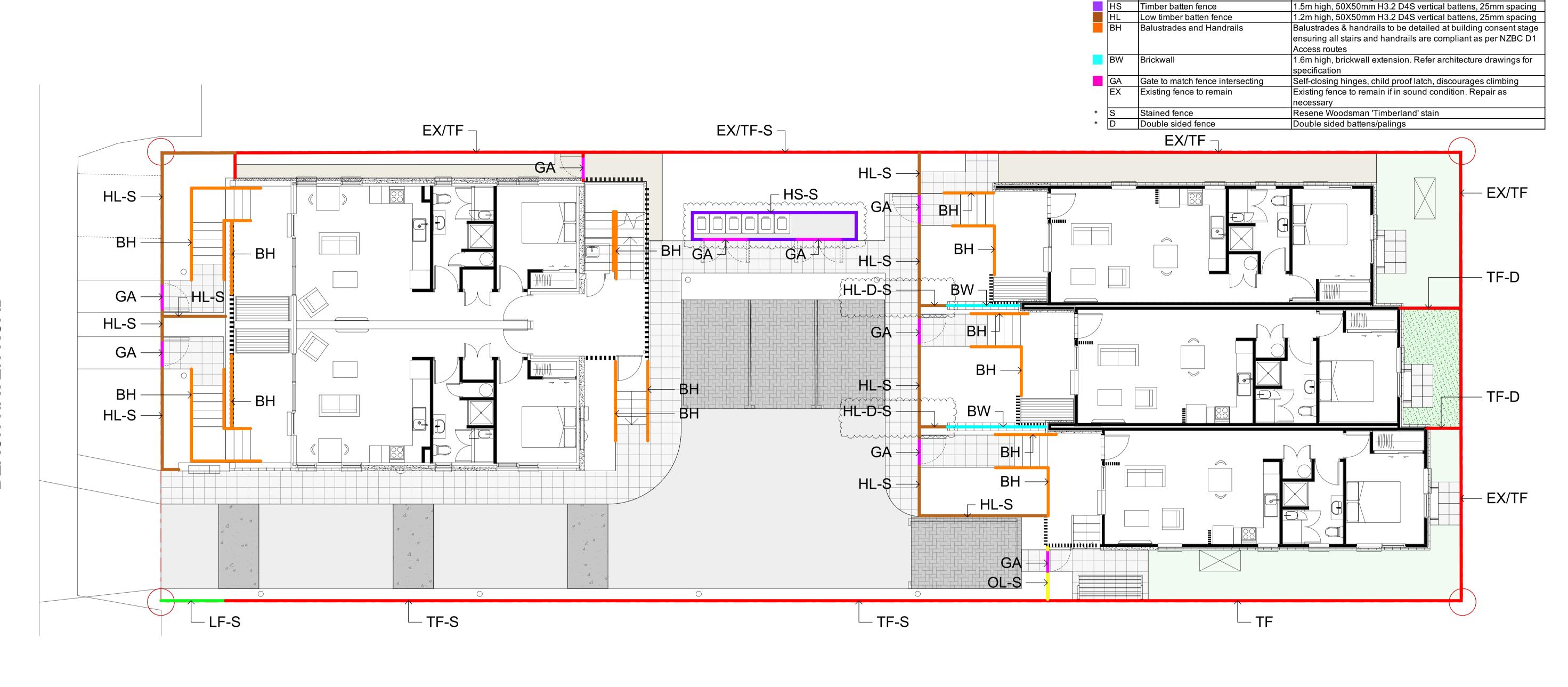


Kāinga Ora
Homes and Communities

Project

161 Beach Haven Road, Beach Haven, Auckland

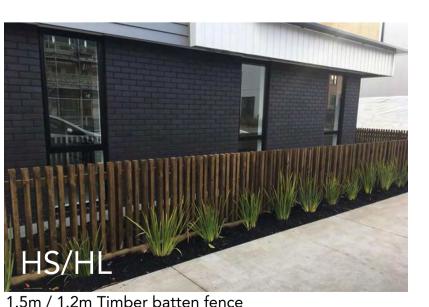
Auckland Council | Approved Resource Consent Plan | LUC60345383-A | 15/12/2021 | Page 25 of 52















Project

161 Beach Haven Road, Beach Haven, Auckland

Drawing 90610/5 Fencing Plan Scale 1:75@A1 1:150@A3

Code Name

Timber paling fence

Low timber paling fence

Overland flow path fence

Specification

raised 200mm from ground

1.8m high, 150mm H3.2 vertical palings, no spacing 1.2m high, 150mm H3.2 vertical palings, no spacing

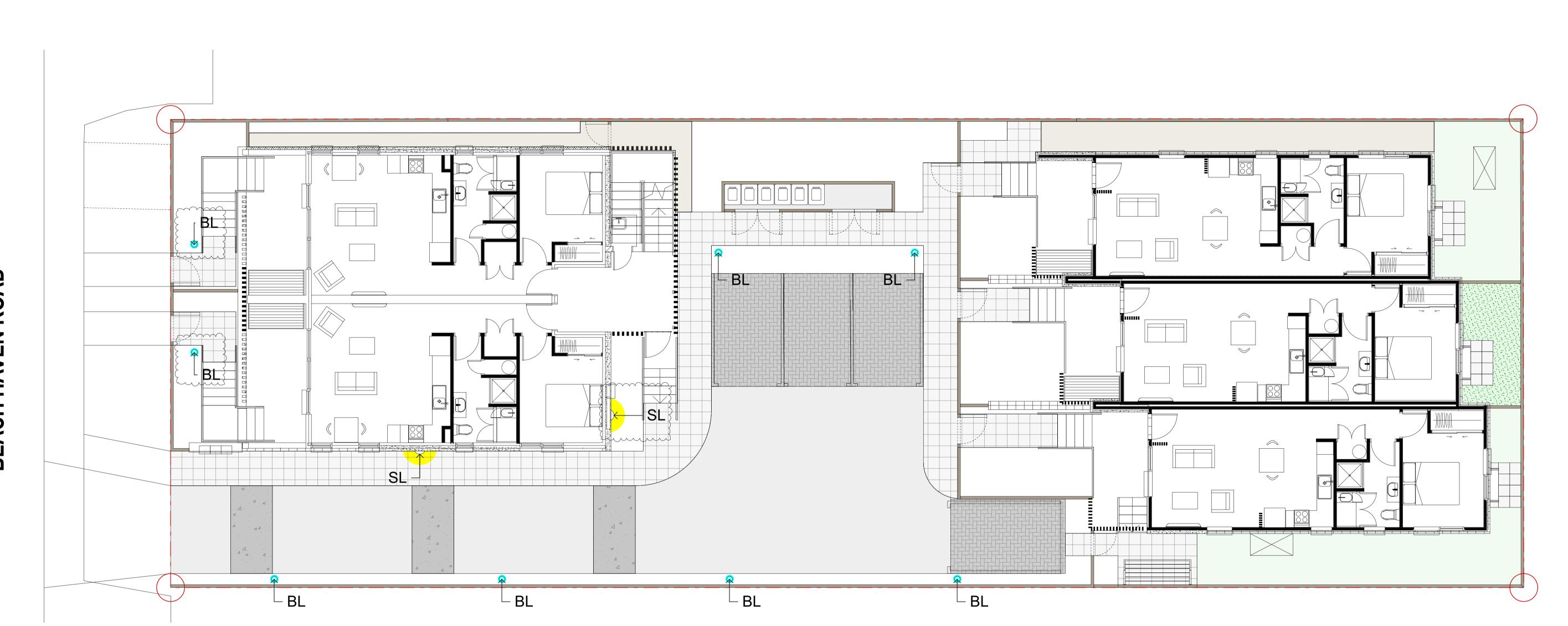
1.8m high, 150mm H3.2 vertical palings, 5mm spacing, fence

S92 Issue Date 25/11/21 Telephone

Drawn Checked MB NL Website

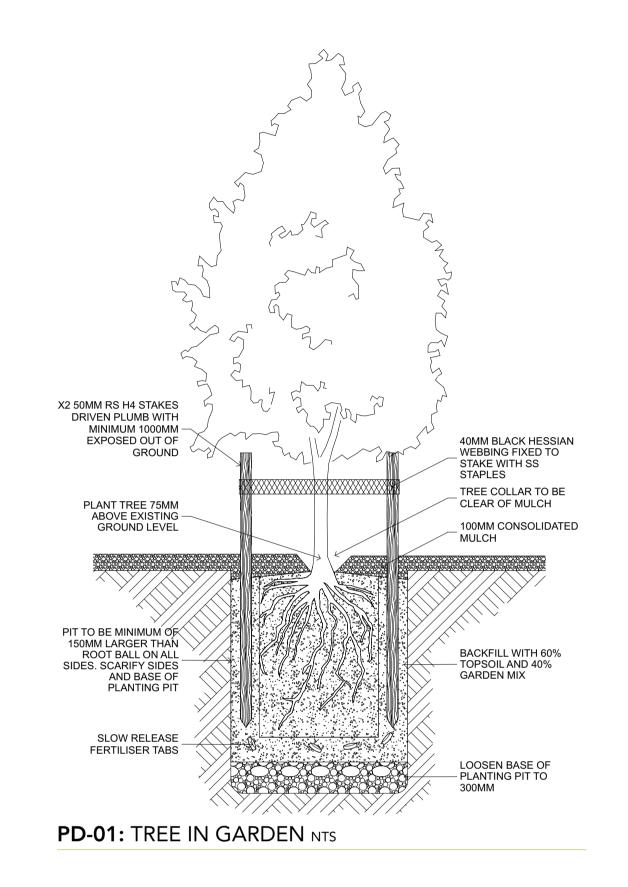
09 309 3600

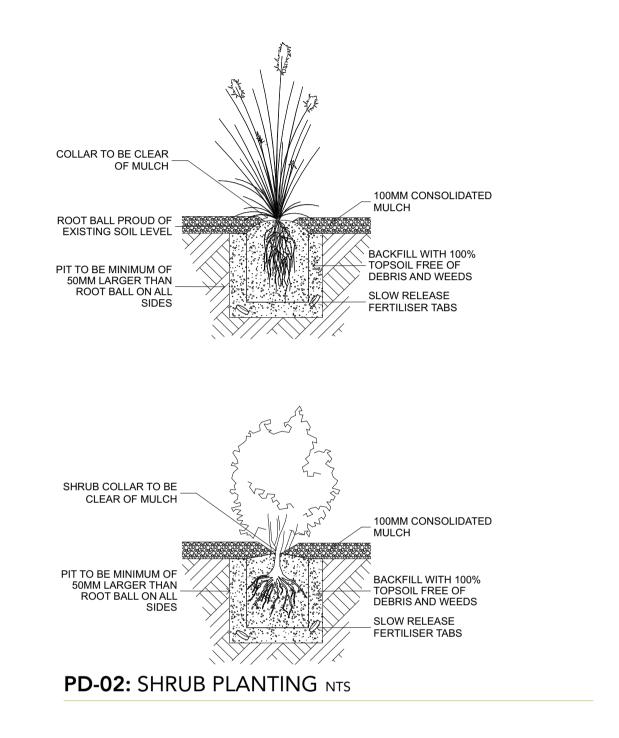
greenwoodassociates.co.nz

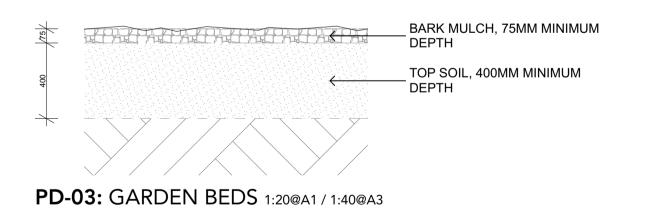


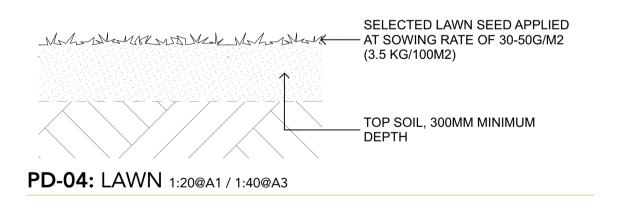


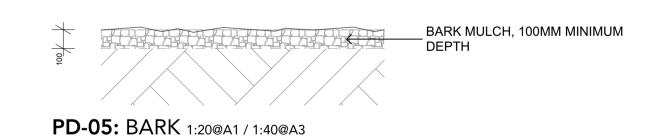






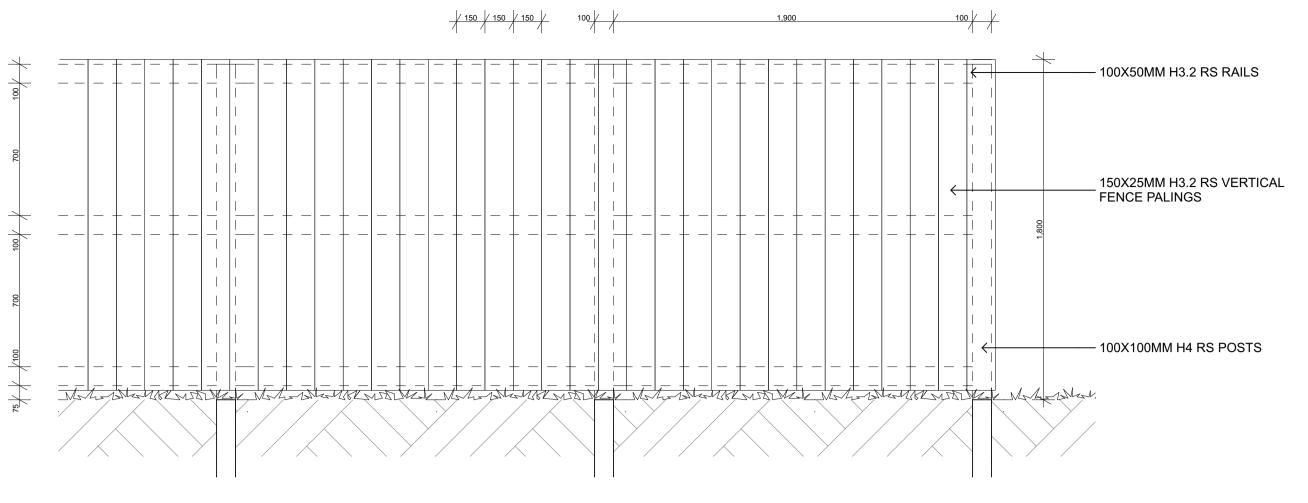






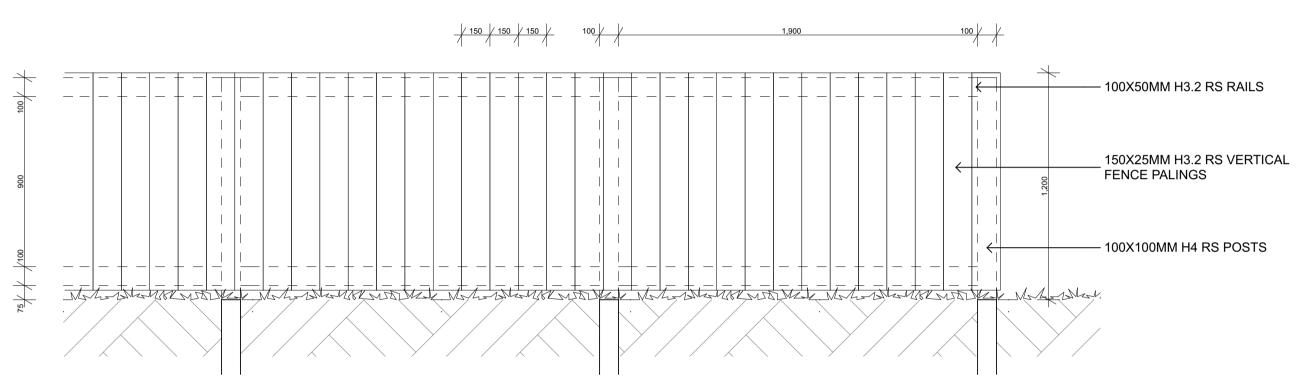






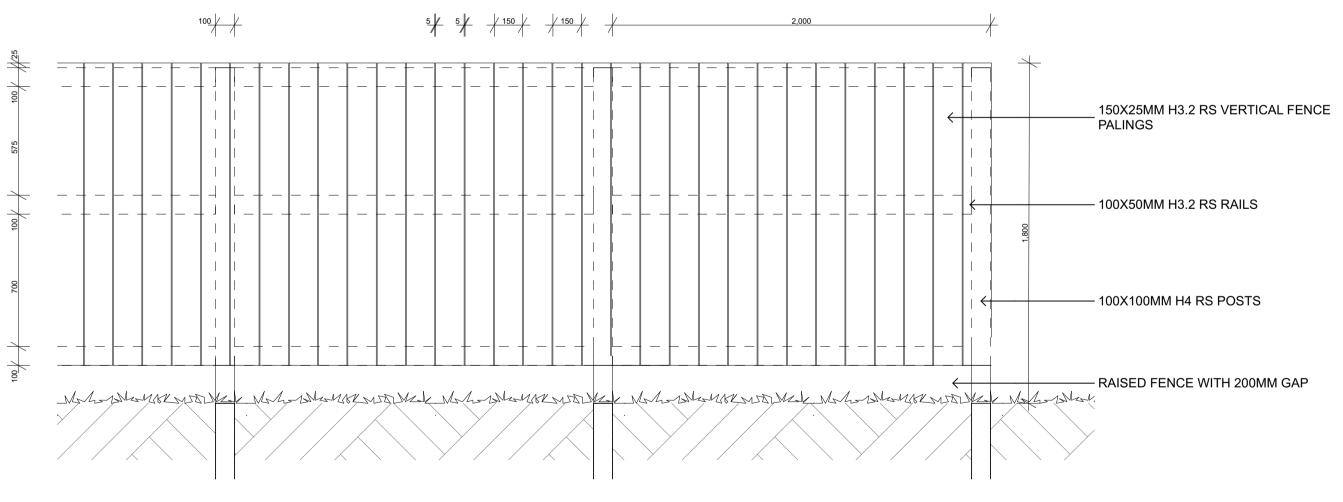


FD-TF: 1.8M TIMBER PALING FENCE 1:20@A1 / 1:40@A3





FD-LF: 1.2M LOW TIMBER PALING FENCE 1:20@A1 / 1:40@A3



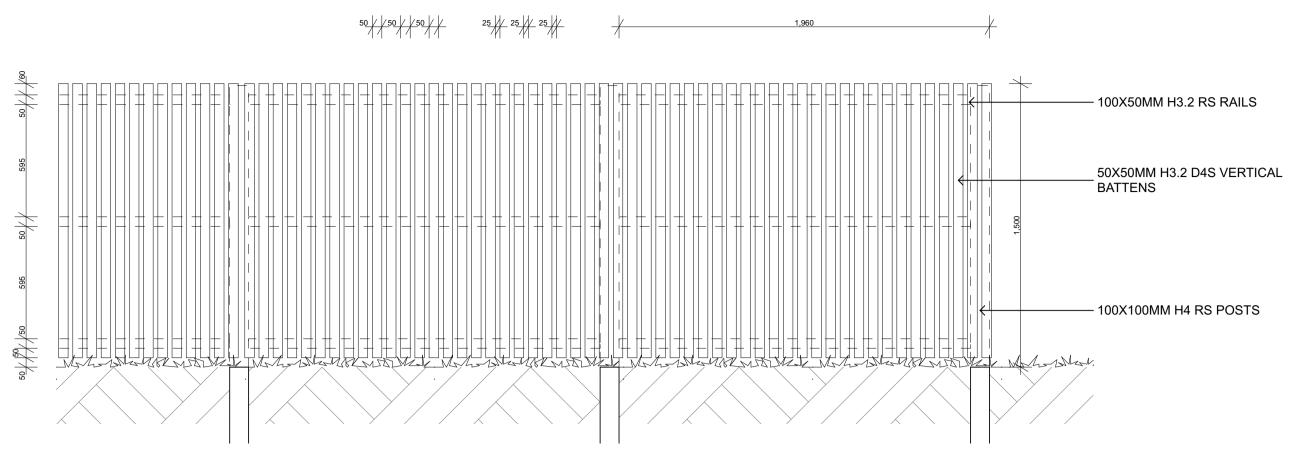


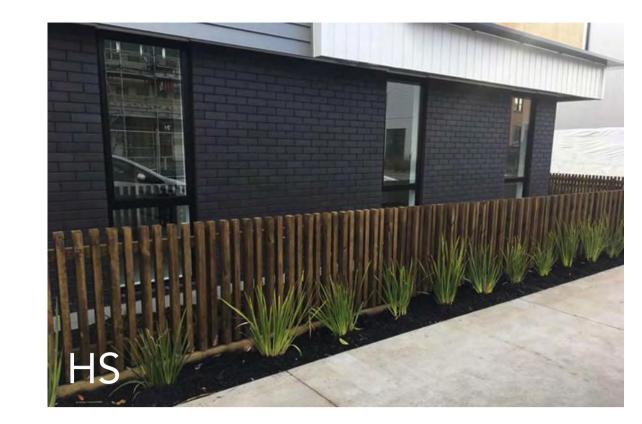
FD-OL: 1.8M OVERLAND FLOW PATH FENCE 1:20@A1 / 1:40@A3

NOTE: ALL FENCE POSTS TO BE IN 300MM DIAMETER CONCRETE ENCASEMENT TO A MINIMUM DEPTH THAT IS 1/3 OF THE TOTAL FENCE HEIGHT UNLESS OTHERWISE SPECIFIED

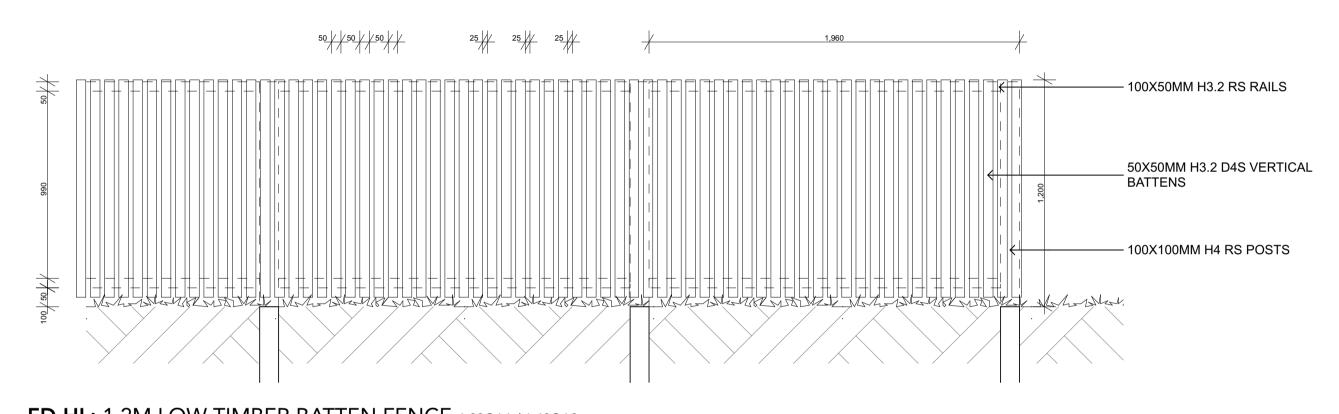








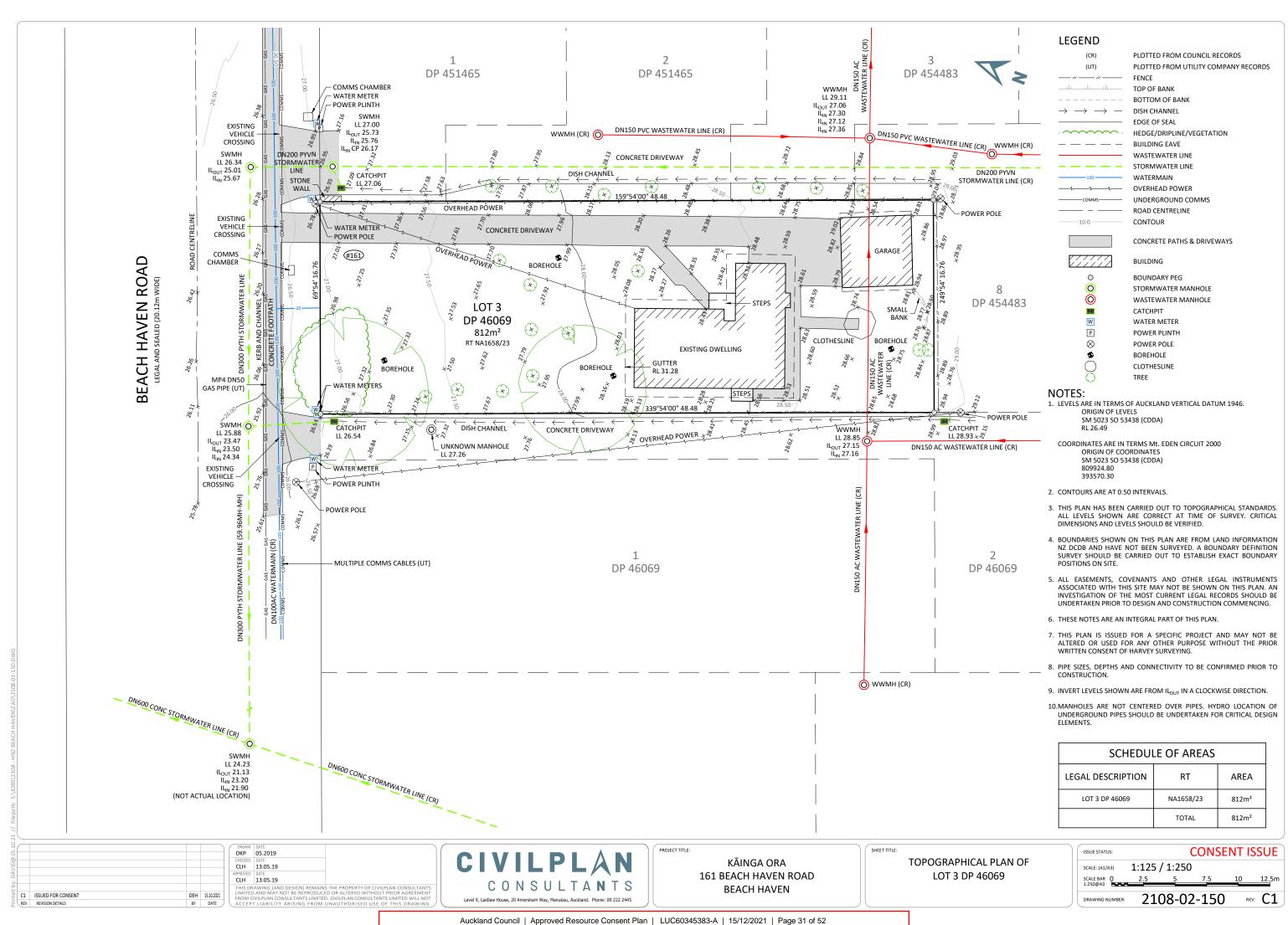
FD-HS: 1.5M TIMBER BATTEN FENCE 1:20@A1 / 1:40@A3

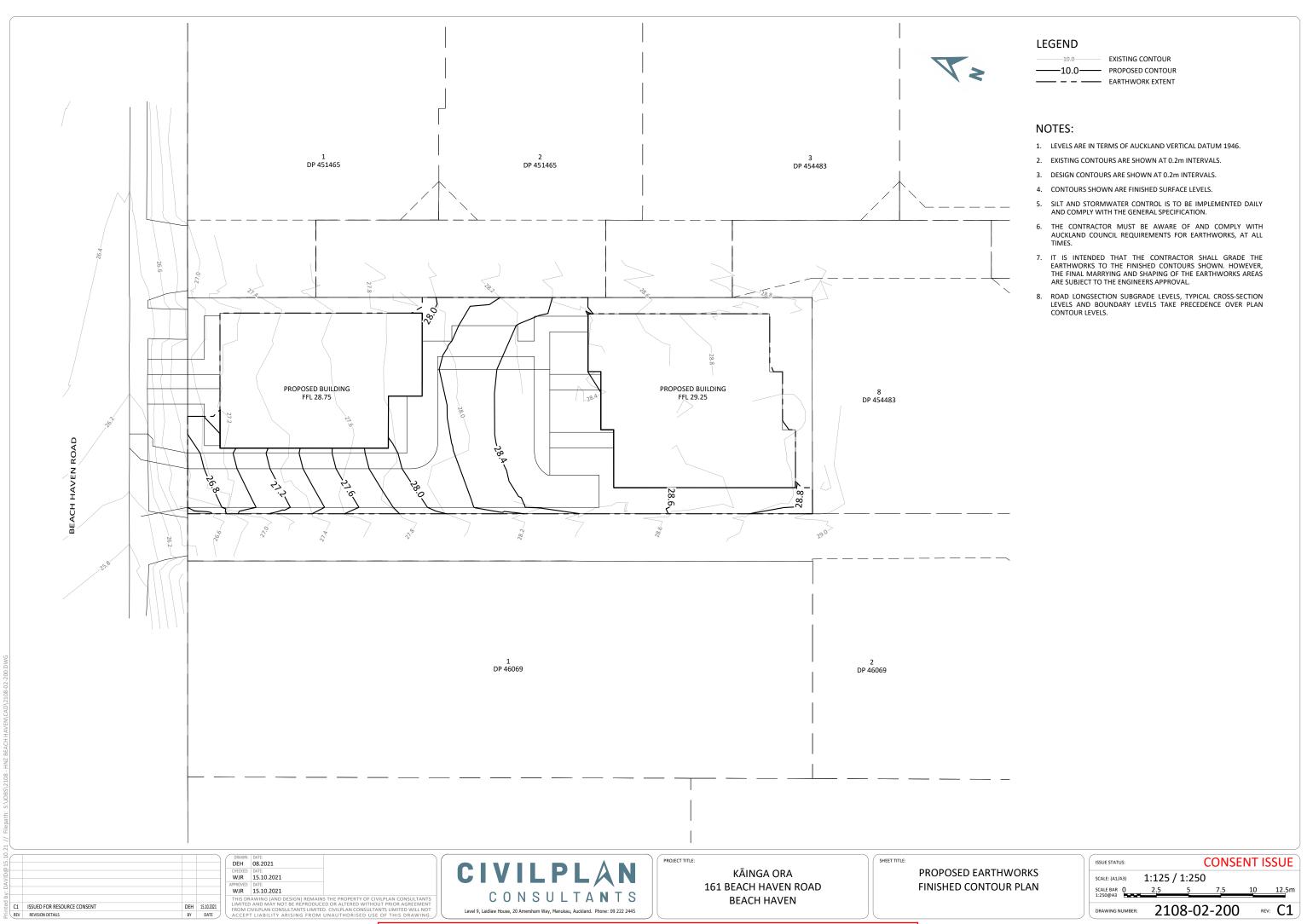


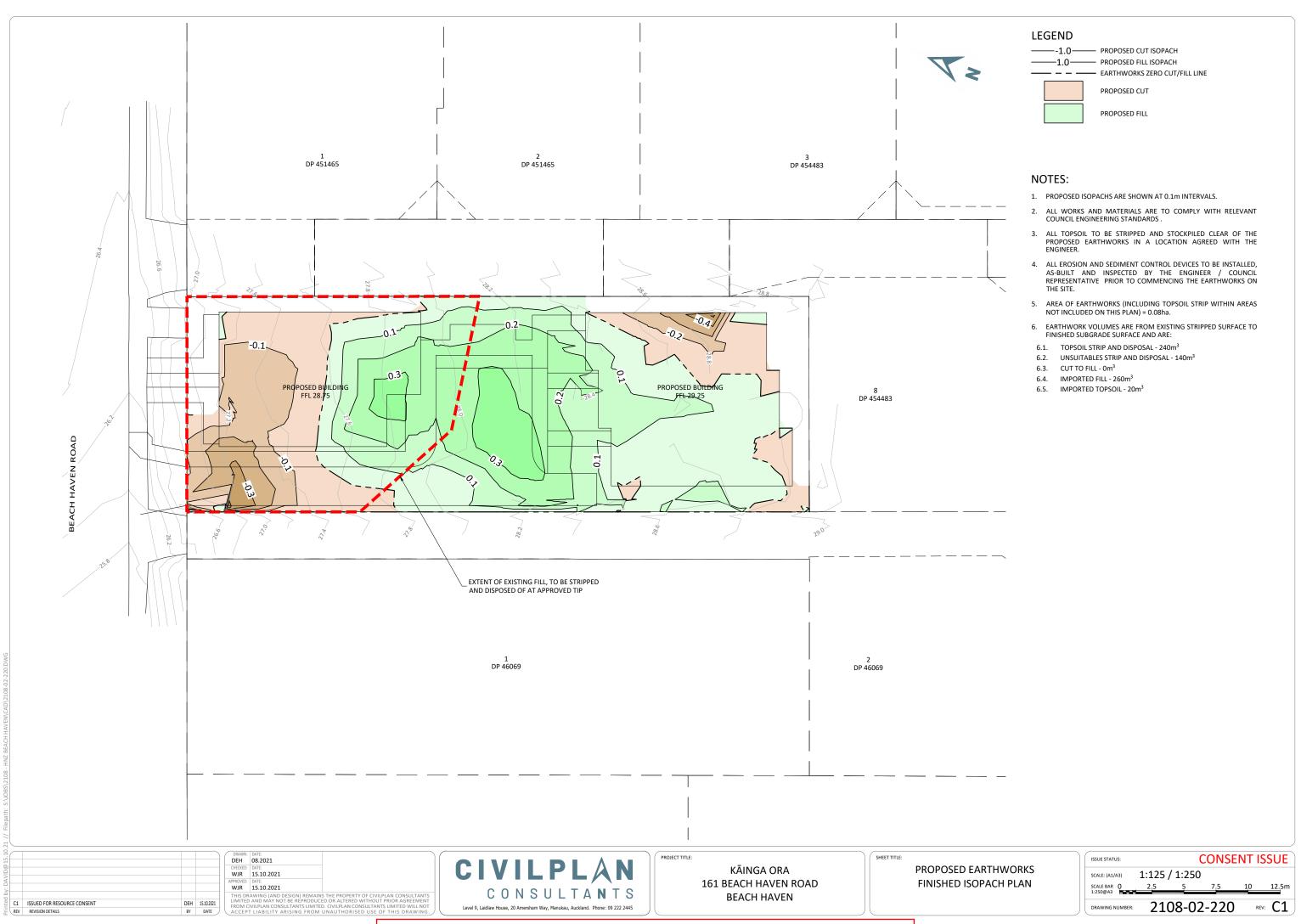


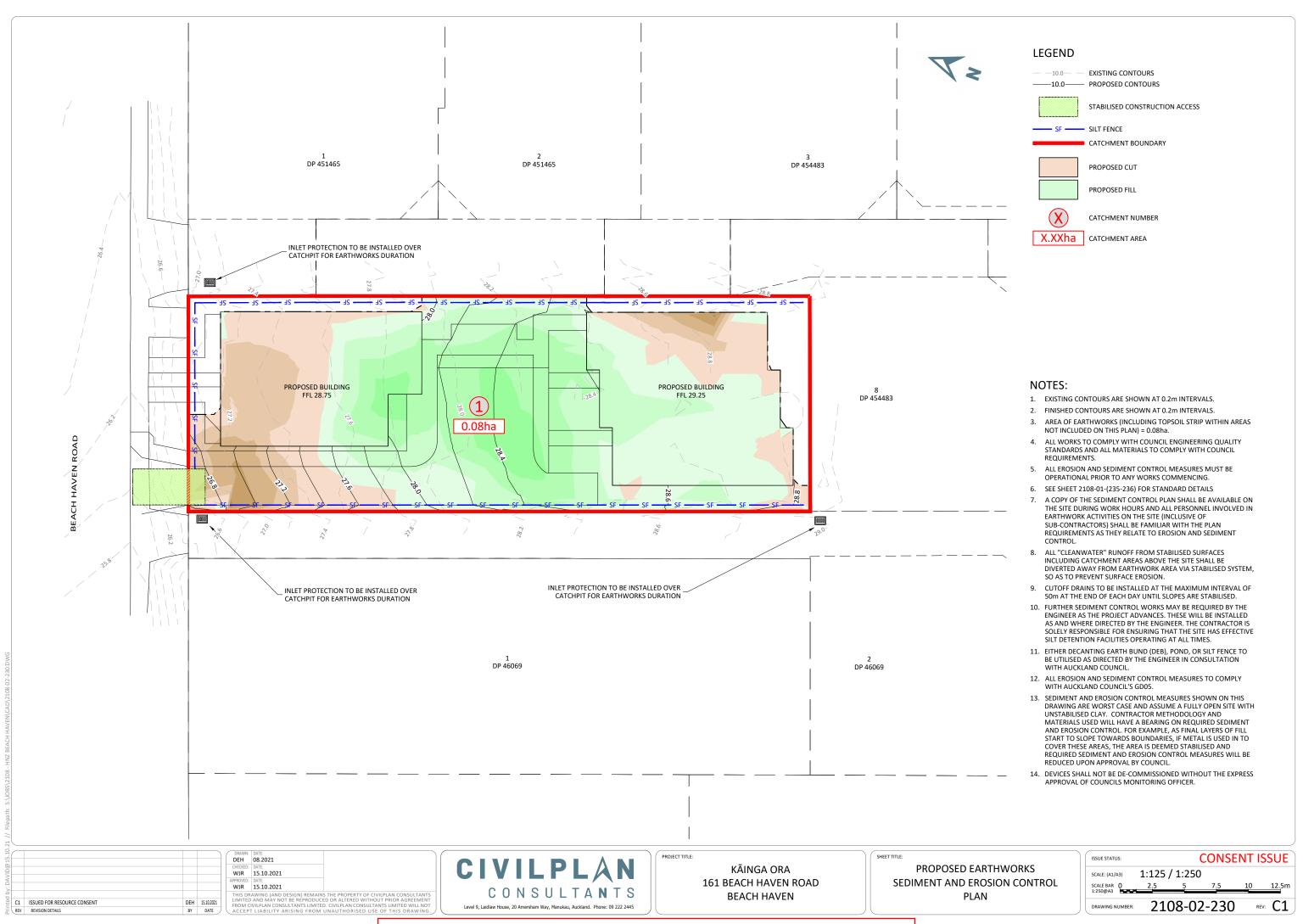
FD-HL: 1.2M LOW TIMBER BATTEN FENCE 1:20@A1 / 1:40@A3











SILT FENCE:

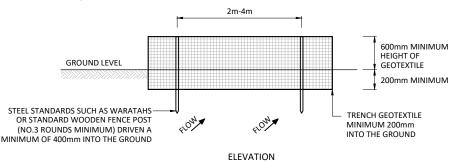
APPLICATION

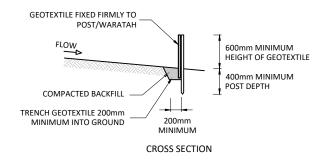
- ON LOW GRADIENT SITES OR FOR CONFINED AREAS WHERE THE CONTRIBUTING CATCHMENT IS SMALL, SUCH AS SHORT STEEP BATTER FILLS AND AROUND WATERCOURSES.
- TO DELINEATE THE LIMIT OF DISTURBANCE ON AN EARTHWORKS SITE SUCH AS RIPARIAN
- TO STORE RUNOFF BEHIND THE SILT FENCE WITHOUT DAMAGING THE FENCE OR THE SUBMERGED AREA BEHIND THE FENCE.
- DO NOT INSTALL SILT FENCES ACROSS WATERCOURSES OR IN AREAS OF CONCENTRATED

DESIGN

- ENSURE THE SILT FENCE HEIGHT IS A MINIMUM OF 600mm ABOVE AND 200mm BELOW
- PLACE SUPPORTING POSTS/WARATAHS FOR SILT FENCES 2m-4m WITH SUPPORT PROVIDED BY TENSIONED WIRE (2.5mm HT) ALONG THE TOP OF THE SILT FENCE. WHERE A STRONG WOVEN FABRIC IS USED IN CONJUNCTION WITH A WIRE SUPPORT, THE DISTANCE BETWEEN POSTS CAN BE EXTENDED UP TO 4m. DOUBLE THE SILT FENCE FABRIC OVER AND FASTEN TO THE WIRE AND POSTS WITH SILT FENCE CLIPS AT 500mm SPACINGS. ENSURE SUPPORTING POSTS ARE EMBEDDED A MINIMUM OF 400mm INTO THE GROUND
- ALWAYS INSTALL SILT FENCES ALONG THE CONTOUR (AT A BREAK IN SLOPE). WHERE THIS IS NOT POSSIBLE OR WHERE THERE ARE LONG SECTIONS OF SILT FENCE, INSTALL SHORT SILT FENCE RETURNS PROJECTING UP SLOPE TO MINIMISE CONCENTRATION OF FLOWS. SILT FENCE RETURNS ARE A MINIMUM 2m IN LENGTH, CAN INCORPORATE A TIE BACK AND ARE GENERALLY CONSTRUCTED BY CONTINUING THE SILT FENCE AROUND THE RETURN AND DOUBLING BACK, ELIMINATING JOINS.
- JOIN LENGTHS OF SILT FENCE BY DOUBLING OVER FABRIC ENDS AROUND A WARRATAH, WOODEN POST OR BATTEN OR BY STAPLING THE FABRIC ENDS TO A BATTEN AND BUTTING THE TWO BATTENS TOGETHER OR BY OVERLAPPING AT LEAST 2m.
- MAXIMUM SLOPE LENGTHS, SPACING OF RETURNS AND ANGLES FOR SILT FENCES ARE SHOWN IN THE TABLE BELOW
- INSTALL SILT FENCE RETURNS AT EITHER END OF THE SILT FENCE PROJECTING UPSLOPE TO A SUFFICIENT HEIGHT TO PREVENT OUTFLANKING.
- WHERE IMPOUNDED FLOW MAY OVERTOP THE SILT FENCE, CROSSING NATURAL DEPRESSIONS OR LOW POINTS, MAKE PROVISION FOR A RIPRAP SPLASH PAD OR OTHER

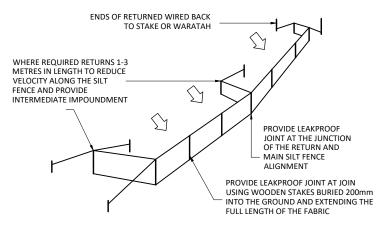
- INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY NECESSARY REPAIRS WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES
- ANY AREAS OF COLLAPSE, DECOMPOSITION OR INEFFECTIVENESS NEED TO BE IMMEDIATELY
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO CONTINUE TO ALLOW FOR ADEQUATE SEDIMENT STORAGE AND REDUCE PRESSURE ON THE SILT FENCE. ENSURE THAT THE SEDIMENT IS REMOVED TO A SECURE AREA.
- DO NOT REMOVE SILT FENCE MATERIALS AND SEDIMENT DEPOSITION UNTIL THE CATCHMENT AREA HAS BEEN APPROPRIATELY STABILISED. STABILISE THE AREA OF THE REMOVED SILT





SUPER SILT FENCE DESIGN CRITERIA

SLOPE STEEPNESS %	SLOPE LENGTH (m) (MAXIMUM)	SPACING OF RETURNS (m)	SUPER SILT FENCE LENGTI (m) (MAXIMUM)	
0-10%	UNLIMITED	60	UNLIMITED	
10-20%	60	50	450	
20-33%	30	40	300	
33-50%	30	30	150	
>50%	15	20	75	

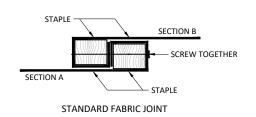


PERSPECTIVE VIEW

SILT FENCE DESIGN CRITERIA:

SLOPE STEEPNESS %	SLOPE LENGTH (m) (MAXIMUM)	SPACING OF RETURNS (m)	(m) (MAXIMUM)	
< 2% UNLIMITED		N/A	UNLIMITED	
2-10%	40	60	300	
10-20%	30	50	230	
20-33%	20	40	150	
33-50%	15	30	75	
>50%	6	20	40	

GRAB TENSILE STRENGTH: >440N (ASTM D4632) TENSILE MODULUS 0.140 pa (MINIMUM) APPARENT OPENING SIZE: 0.1-0.5mm (ASTM D4751)



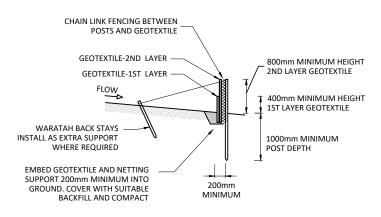
SUPER SILT FENCE:

APPLICATION

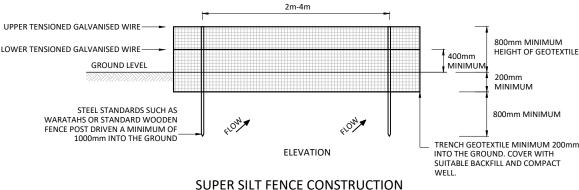
- PROVIDES A BARRIER THAT CAN COLLECT AND HOLD DEBRIS AND SOIL, PREVENTING THE MATERIAL FROM ENTERING CRITICAL AREAS, WATERCOURSES AND STREETS.
- CAN BE USED WHERE THE INSTALLATION OF AN EARTH OR TOPSOIL BUND WOULD DESTROY SENSITIVE AREAS SUCH AS BUSH AND WETLANDS.
- SHOULD BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE. NO SECTION OF THE FENCE SHOULD EXCEED A GRADE OF 5% FOR A DISTANCE OF MORE THAN 15m.

- ENSURE THE SILT FENCE HEIGHT IS A MINIMUM OF 600mm ABOVE AND 200mm BELOW GROUND LEVEL
- WHEN CONSIDERING SUPER SILT FENCE INSTALLATION FOR LARGER CATCHMENTS (GREATER THAN 0.5ha) AS IN THE TABLE BELOW, CAREFULLY CONSIDER THE SPECIFIC SITE CONDITIONS AND OTHER ALTERNATIVE CONTROL MEASURES AVAILABLE. BASE THE LENGTH OF THE SUPER SILT FENCE ON THE LIMITS SHOWN IN THE TABLE LEFT.
- ALWAYS INSTALL SILT FENCES ALONG THE CONTOUR (AT A BREAK IN SLOPE). WHERE THIS IS NOT POSSIBLE OR WHERE THERE ARE LONG SECTIONS OF SILT FENCE, INSTALL SHORT SILT FENCE RETURNS PROJECTING UP SLOPE TO MINIMISE CONCENTRATION OF FLOWS. SILT FENCE RETURNS ARE A MINIMUM 2m IN LENGTH, CAN INCORPORATE A TIE BACK AND ARE GENERALLY CONSTRUCTED BY CONTINUING THE SILT FENCE AROUND THE RETURN AND DOUBLING BACK, ELIMINATING JOINS.
- JOIN LENGTHS OF SILT FENCE BY DOUBLING OVER FABRIC ENDS AROUND A WARRATAH, WOODEN POST OR BATTEN OR BY STAPLING THE FABRIC ENDS TO A BATTEN AND BUTTING THE TWO BATTENS TOGETHER OR BY OVERLAPPING AT LEAST 2m
- LIMITS IMPOSED BY ULTRA VIOLET LIGHT AFFECT THE STABILITY OF THE FABRIC AND WILL DICTATE THE MAXIMUM PERIOD THAT THE SUPER SILT FENCE MAY BE USED.
- WHERE ENDS OF THE GEOTEXTILE FABRIC COME TOGETHER, OVERLAP, FOLD AND STAPLE THE FABRIC ENDS TO PREVENT SEDIMENT BYPASS.

- INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY NECESSARY REPAIRS WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 50% OF THE FABRIC HEIGHT
- ANY AREAS OF COLLAPSE, DECOMPOSITION OR INEFFECTIVENESS NEED TO BE IMMEDIATELY
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO CONTINUE TO ALLOW FOR ADEQUATE SEDIMENT STORAGE AND REDUCE PRESSURE ON THE SILT FENCE. ENSURE THAT THE SEDIMENT IS REMOVED TO A SECURE AREA.
- DO NOT REMOVE SILT FENCE MATERIALS AND SEDIMENT DEPOSITION UNTIL THE CATCHMENT AREA HAS BEEN APPROPRIATELY STABILISED. STABILISE THE AREA OF THE REMOVED SILT



CROSS SECTION



ISSUED FOR RESOURCE CONSENT REV REVISION DETAILS

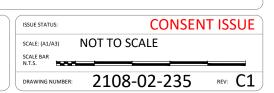
DEH 08.2021 WJR 15.10.2021

SILT FENCE CONSTRUCTION

CIVILPLAN C O N S U L T A **N** T S Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland, Phone: 09 222 2445

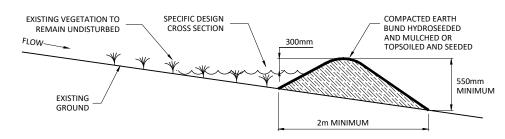
KĀINGA ORA 161 BEACH HAVEN ROAD **BEACH HAVEN**

PROPOSED EARTHWORKS SEDIMENT AND EROSION CONTROL STANDARD DETAILS SHEET 1

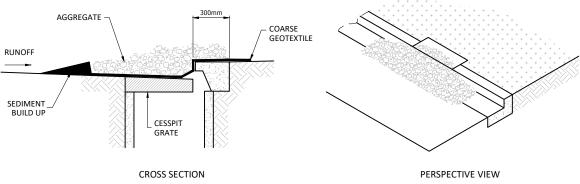


Auckland Council | Approved Resource Consent Plan | LUC60345383-A | 15/12/2021 | Page 35 of 52

3:1 OR FLATTER

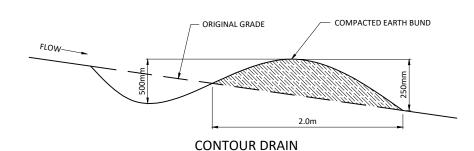


CLEANWATER DIVERSION - CROSS SECTION



COMPACTED EMBANKMENT

STORMWATER INLET PROTECTION



STABILISED CONSTRUCTION ENTRANCE:

APPLICATION

 USE A STABILISED CONSTRUCTION ENTRANCE AT ALL POINTS OF CONSTRUCTION SITE INGRESS AND EGRESS WITH A CONSTRUCTION PLAN LIMITING TRAFFIC TO THESE ENTRANCES ONLY.

DESIGN

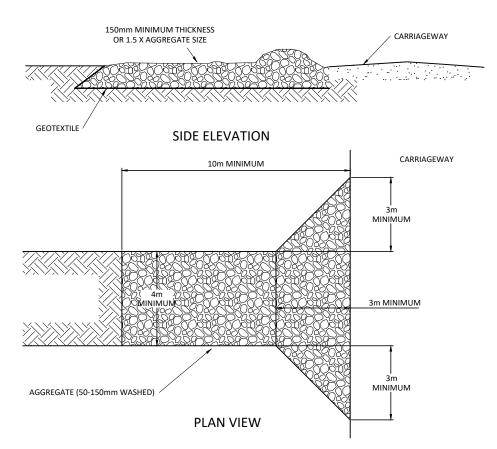
- CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
- LAY WOVEN GEOTEXTILE; PIN DOWN EDGES AND OVERLAP JOINTS.
- PROVIDE DRAINAGE TO CARRY RUNOFF FROM THE STABILISED CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
- PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

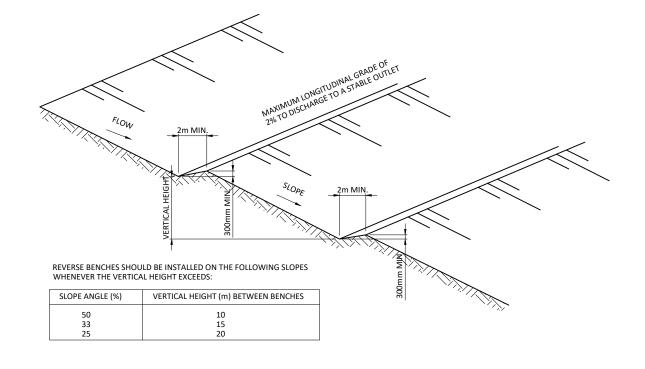
STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS:

AGGREGATE SIZE	50-150mm WASHED AGGREGATE			
THICKNESS	150mm MINIMUM OR 1.5 X AGGREGATE SIZE			
LENGTH	10m MINIMUM LENGTH RECOMMENDED			
WIDTH	4m MINIMUM WIDTH			

MAINTENANCE

- MAINTAIN THE STABILISED CONSTRUCTION ENTRANCE IN A CONDITION TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. AFTER EACH RAINFALL INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT FROM THE STABILISED CONSTRUCTION ENTRANCE AND CLEAN OUT AS NECESSARY.
- WHEN WHEEL WASHING IS ALSO REQUIRED, ENSURE THIS IS DONE ON AN AREA STABILISED WITH AGGREGATE WHICH DRAINS TO AN APPROVED SEDIMENT RETENTION FACILITY.





STABILISED CONSTRUCTION ENTRANCE

BENCHED SLOPE

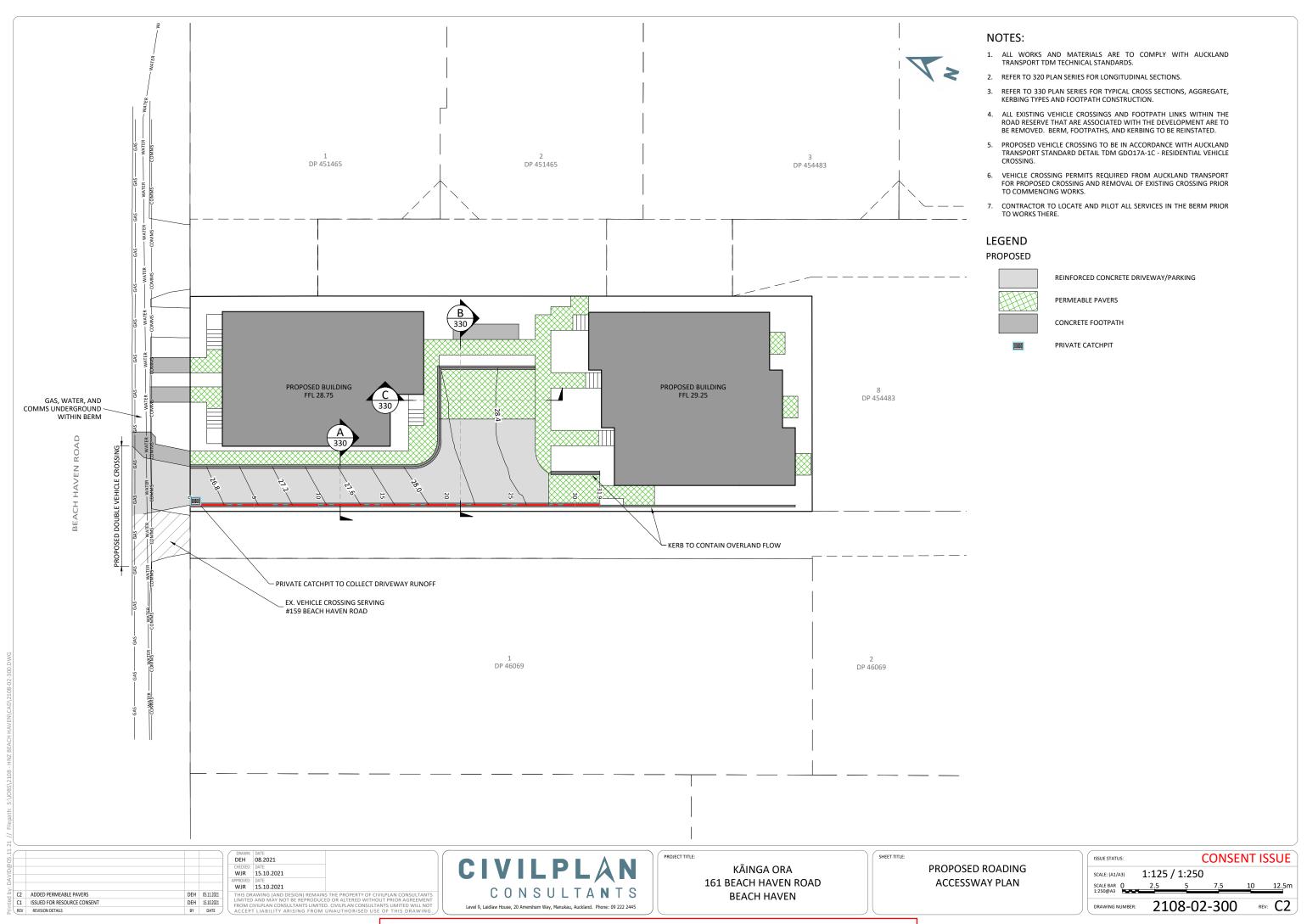
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C1	ISSUED FOR RESOURCE CONSENT	DEH	15.10.2021				ED OR ALTERED WITHOUT PRIOR AG D. CIVILPLAN CONSULTANTS LIMITED
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CIVILPLAN CONSULTANTS

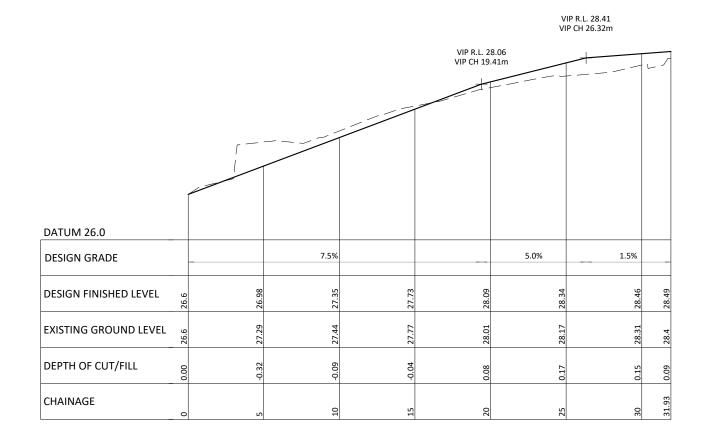
KĀINGA ORA 161 BEACH HAVEN ROAD **BEACH HAVEN**

PROPOSED EARTHWORKS SEDIMENT AND EROSION CONTROL STANDARD DETAILS SHEET 2

CONSENT ISSUE NOT TO SCALE SCALE: (A1/A3) 2108-02-236





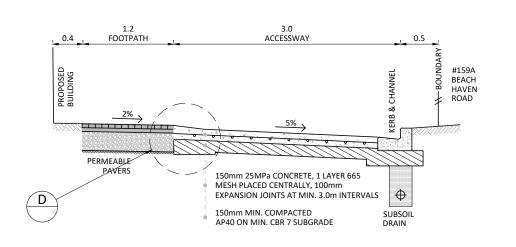


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REV	REVISION DETAILS	BY	DATE		LIABILITY A



PROPOSED ROADING ACCESSWAY LONG SECTION

ISSUE STATUS:	CONSEN	IT ISSUE
SCALE: (A1/A3)	1:125H 1:25V / 1:250H	1:50V
SCALE BAR		
N.T.S.		
DRAWING NUMBER:	2108-02-320	REV:



A ACCESSWAY SECTION
300 SCALE: (A1/A3) N.T.S

WJR 15.10.2021

WJR 15.10.2021

DEH 05.11.2021

DEH 15.10.2021

C2 ADDED PERMEABLE PAVERS

REV REVISION DETAILS

ISSUED FOR RESOURCE CONSENT

NOTES

- 1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH RELEVANT COUNCIL ENGINEERING STANDARDS.
- FOOTPATHS TO BE 100mm MINIMUM CONCRETE (20 MPa) BROOM FINISH ON 100mm GAP40 GRANULAR BEDDING ON A FIRM SUBGRADE (CBR>3) TO COUNCIL DETAIL FP001. BEDDING LAYER DEPTH TO BE INCREASED FOR CBR<3 AT THE ENGINEER'S INSTRUCTION. TRANSVERSE CONTROL JOINTS TO BE INSTALLED AT MAXIMUM 3.0m SPACINGS. REFER TO ATCOP STANDARD DETAIL DRAWING FP001.
- 3. KERBING TO BE STANDARD SLIP FORM VERTICAL KERB AND CHANNEL, STANDARD SLIP FORM VERTICAL KERB AND NIB, OR INTEGRAL KERB AND CHANNEL AS DETAILED. ALL TO BE IN ACCORDANCE WITH STANDARD DETAILS GD008-GD010 (20 MPa STANDARD CONCRETE).
- DN100 UNDERCHANNEL DRAINCOIL WITH FILTER SOCK TO BE INSTALLED IN ACCORDANCE WITH COUNCIL DETAILS, CONNECTED TO ROAD CATCHPIT SUMPS. TO BE INSTALLED IN 300mm WIDE TRENCH WITH MINIMUM OF 450mm COVER BELOW SUBGRADE LEVEL. BACKFILL WITH CLEAN DRAINAGE METAL. REFER TO ATCOP STANDARD DETAIL DRAWING RD025 FOR FURTHER SPECIFICATION.
- CONTRACTOR TO TEST SUBGRADE AT 5m CENTRES AND REPORT BACK TO ENGINEER PRIOR TO COMMENCING PLACEMENT OF MATERIALS. IF SUBGRADE CBR IS 3% OR LESS, SUBGRADE IMPROVEMENT WILL
- 6. PAVEMENT MATERIALS ARE TO BE TO THE FOLLOWING SPECIFICATION:
- 6.1. SURFACING:

150mm 25MPa CONCRETE, 1 LAYER 665 MESH PLACED CENTRALLY WITH 10mm EXPANSION JOINTS AT 3.0m INTERVALS TO MATCH KERBS AND FOOTPATH WHERE PRACTICABLE.

SUBBASE:

- 7. REFER TO LANDSCAPE PLANS FOR SURFACE FINISHES AT BOUNDARY FENCING DETAILS
- 8. FOR CONCRETE POURS OF ADJOINING SECTIONS OF DRIVEWAY, KERBING, AND FOOTPATH, THE SECTIONS ARE TO BE TIED TOGETHER WITH D12 REINFORCING BARS AT 350 CTRS INTO EXISTING CONCRETE.

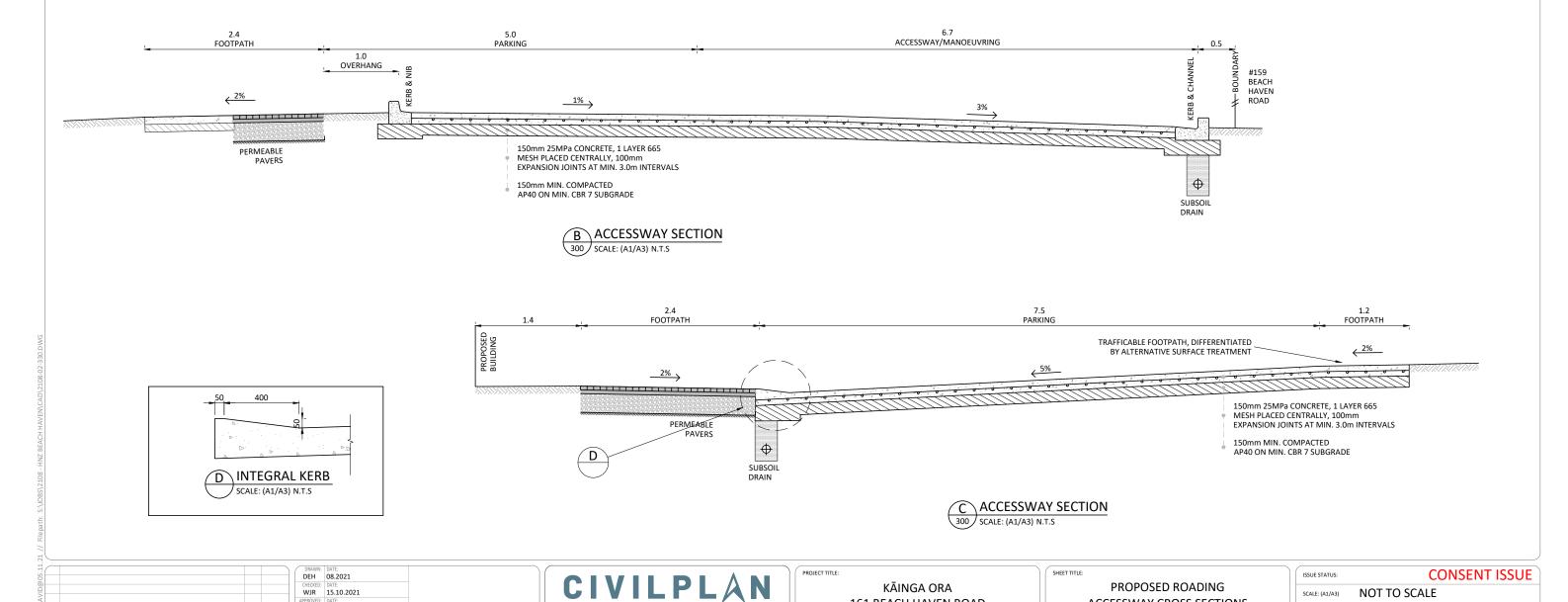
PROPOSED ROADING

ACCESSWAY CROSS SECTIONS

NOT TO SCALE

2108-02-330

SCALE: (A1/A3)



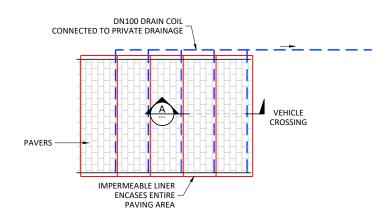
CONSULTANTS

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland, Phone: 09 222 2445

KĀINGA ORA

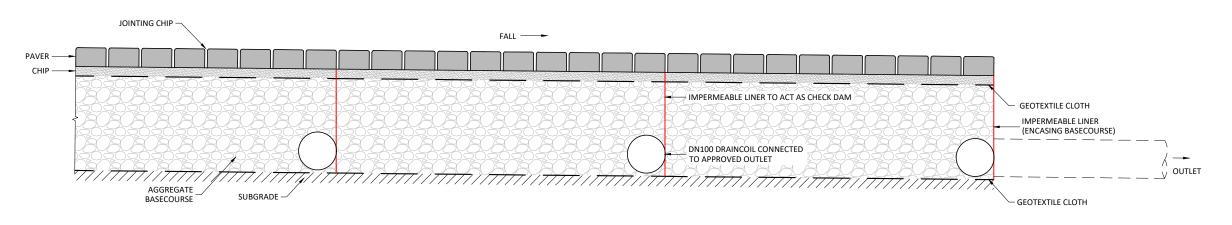
161 BEACH HAVEN ROAD

BEACH HAVEN



RESIDENTIAL DRIVEWAY PERMEABLE PAVEMENT

SCALE: (A1/A3) 1:50/1:100



PERMEABLE PAVEMENT - TYPICAL SECTION A

PROJECT TITLE:

SCALE: (A1/A3) 1:5 / 1:10

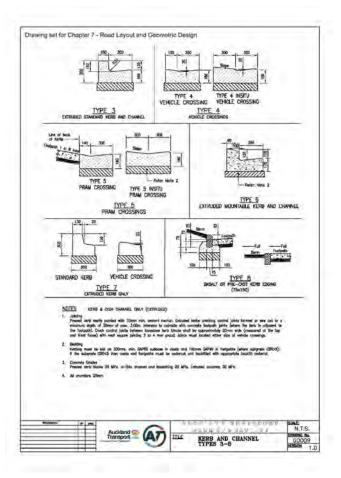


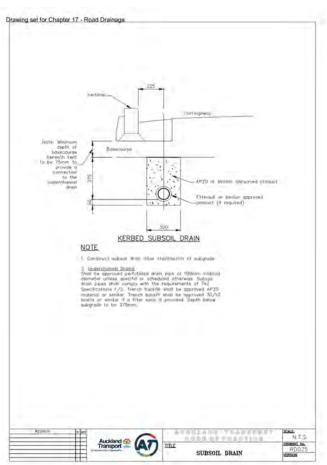
KĀINGA ORA 161 BEACH HAVEN ROAD BEACH HAVEN PROPOSED ACCESSWAY
PERMEABLE PAVING DETAILS

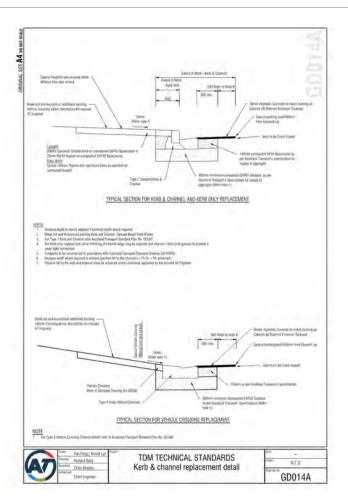
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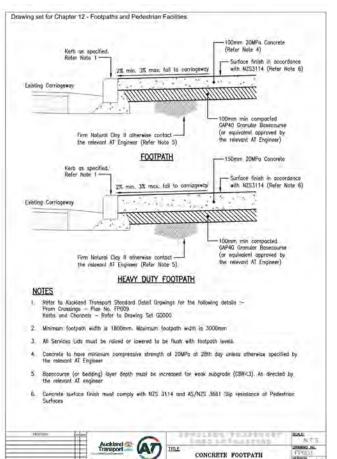
SCALE: (A1/A3) AS SHOWN
SCALE BAR N.T.S.

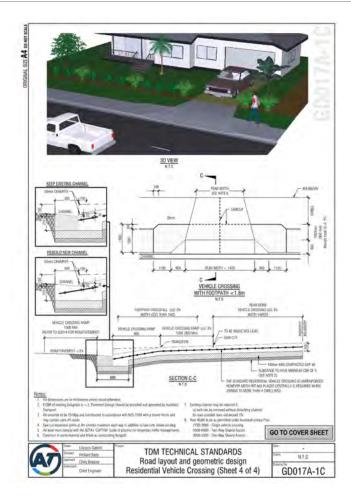
DRAWING NUMBER: 2108-02-370 REV: C1

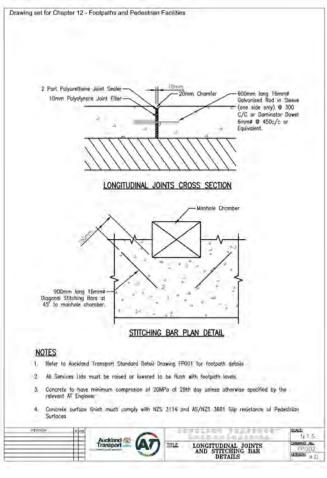








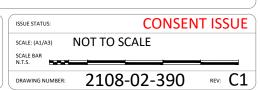


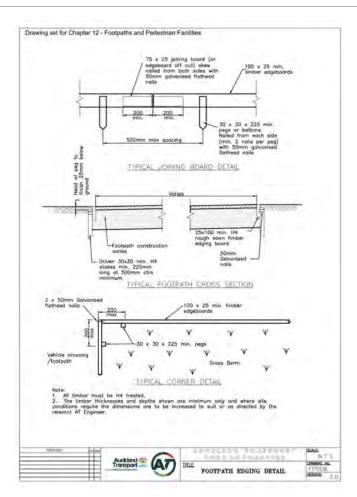






PROPOSED ROADING
STANDARD DETAILS
SHEET 1





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W/R 15.10.2021
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W/R 15.10.2021
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W/R 15.10.2021
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BY REVISION DETAILS

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W/R 15.10.2021
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REV REVISION DETAILS

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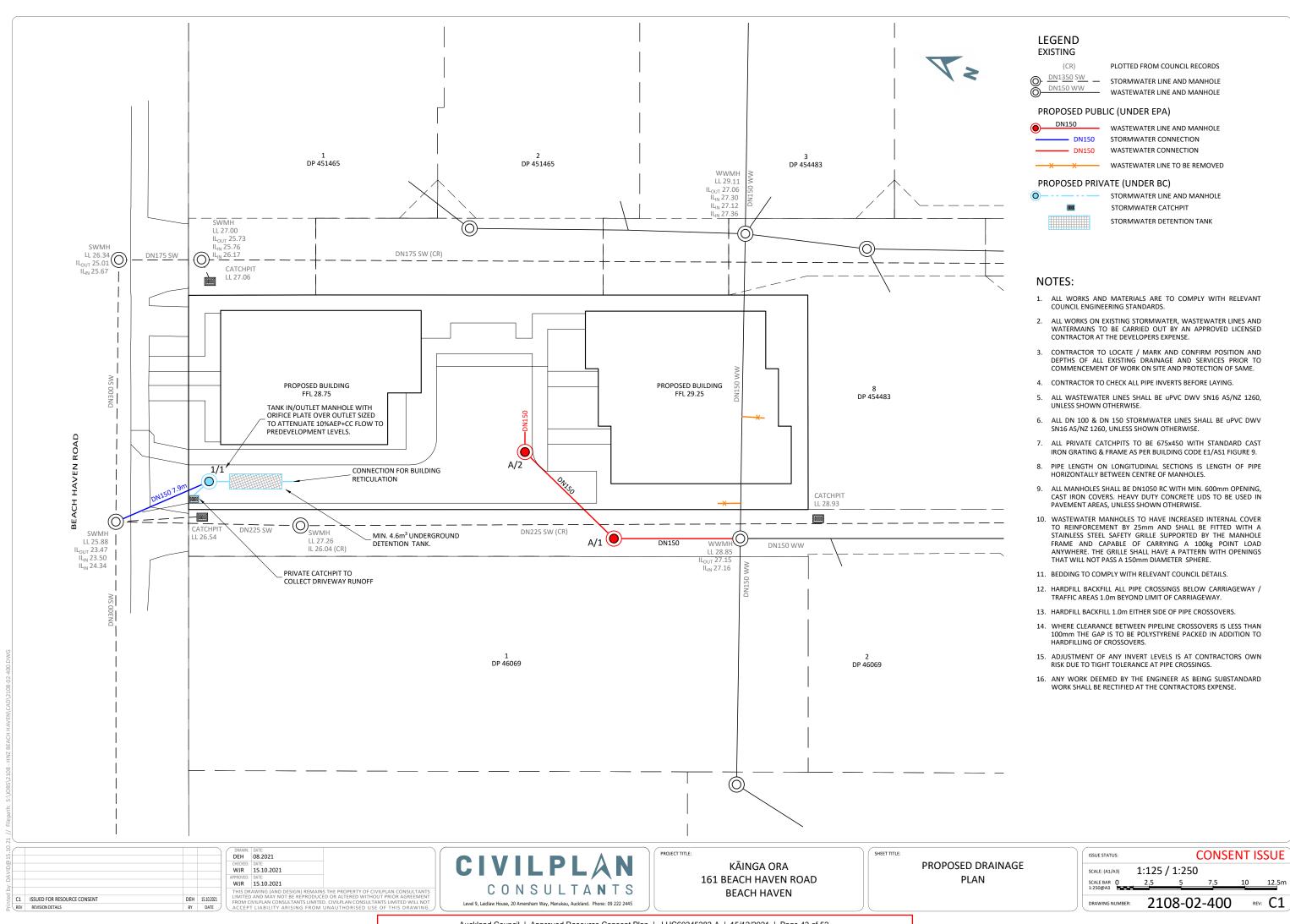
KĀINGA ORA
161 BEACH HAVEN ROAD

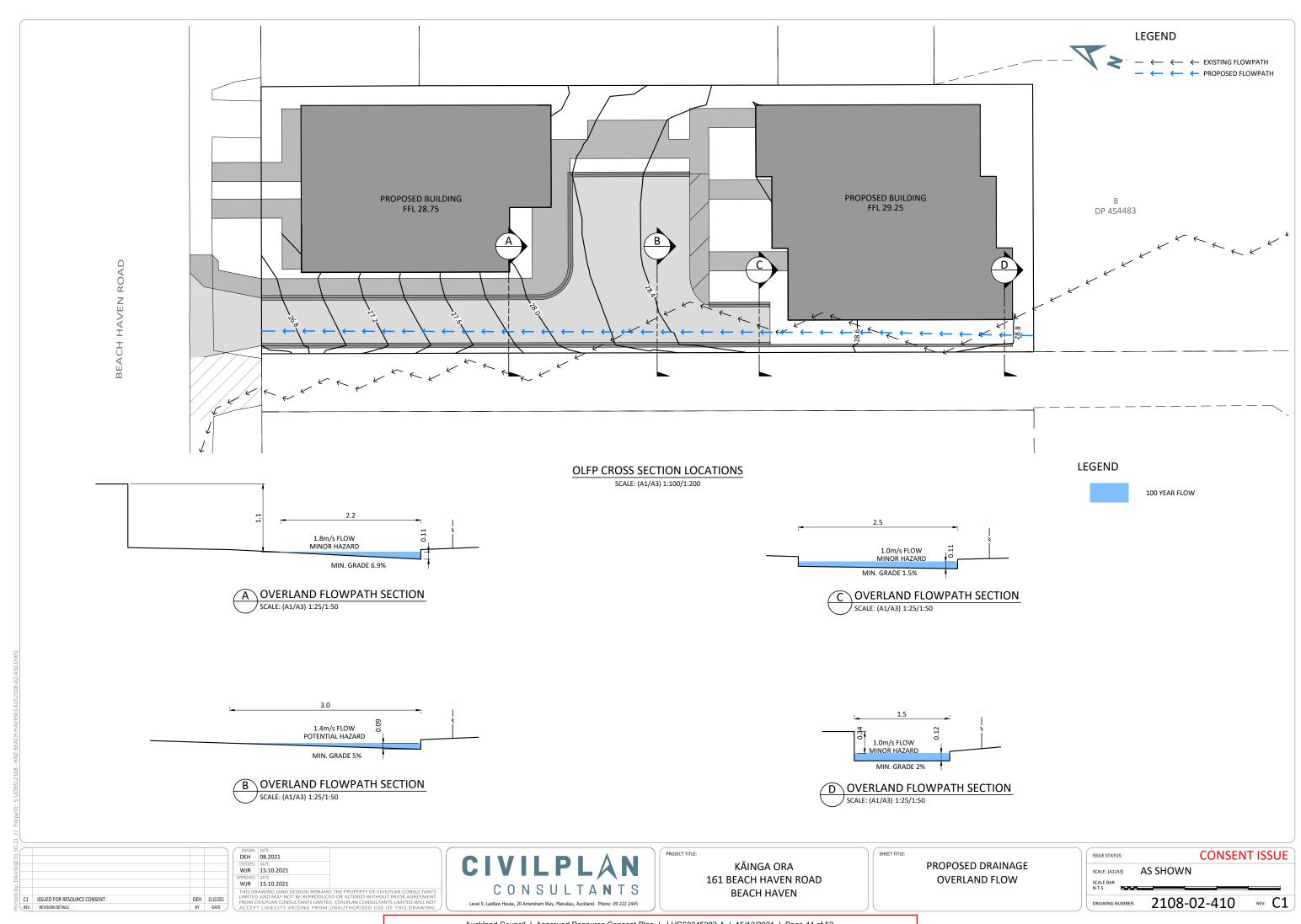
BEACH HAVEN

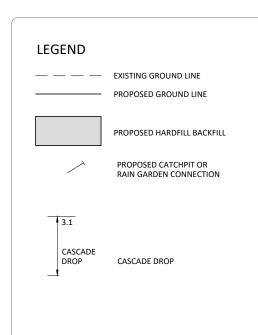
PROPOSED ROADING STANDARD DETAILS SHEET 2

SHEET TITLE:

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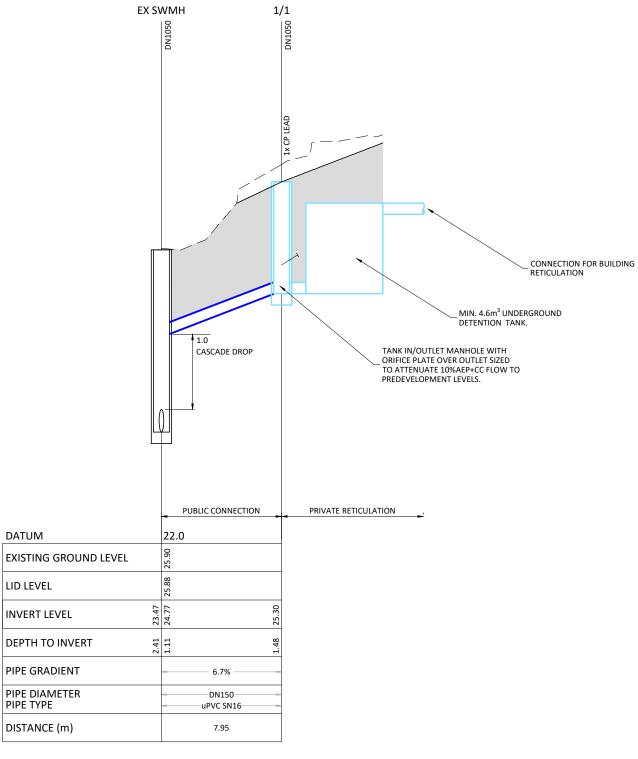






NOTES:

1. REFER TO SHEET 2108-02-400 FOR GENERAL NOTES.



LINE 1

C1	ISSUED FOR RESOURCE CONSENT	DEH	15.10.2021
REV	REVISION DETAILS	BY	DATE

DRAWN: DATE:

DEH 08.2021

(IECERE): DATE:

WIR 15.10.2021

PAPROVED: DATE:

WIR 15.10.2021

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KĀINGA ORA 161 BEACH HAVEN ROAD BEACH HAVEN

PROPOSED DRAINAGE STORMWATER LONGITUDINAL SECTIONS SHEET 1

ISSUE STATUS:	CONSEN	T ISSUE
SCALE: (A1/A3) SCALE BAR N.T.S.	1:125H 1:25V / 1:250H	1:50V
DRAWING NUMBER:	2108-02-430	REV: C1

NOTES:

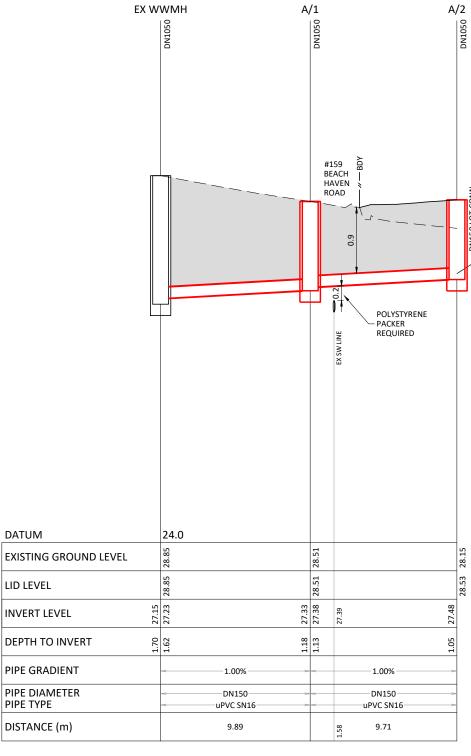
---- Existing ground line

PROPOSED GROUND LINE

PROPOSED HARDFILL BACKFILL

PROPOSED

1. REFER TO SHEET 2108-01-400 FOR GENERAL NOTES.



LINE A

C1 ISSUED FOR RESOURCE CONSENT REV REVISION DETAILS

DEH 08.2021 WJR 15.10.2021

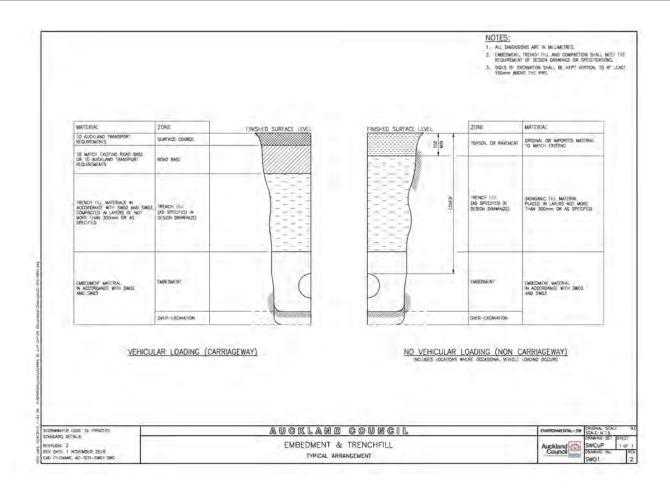


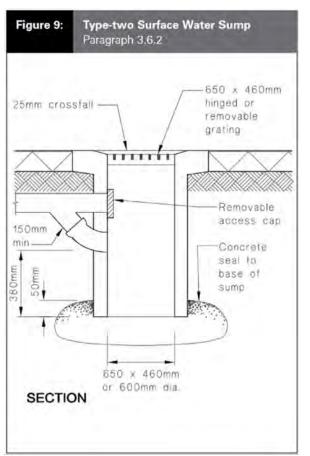
KĀINGA ORA 161 BEACH HAVEN ROAD

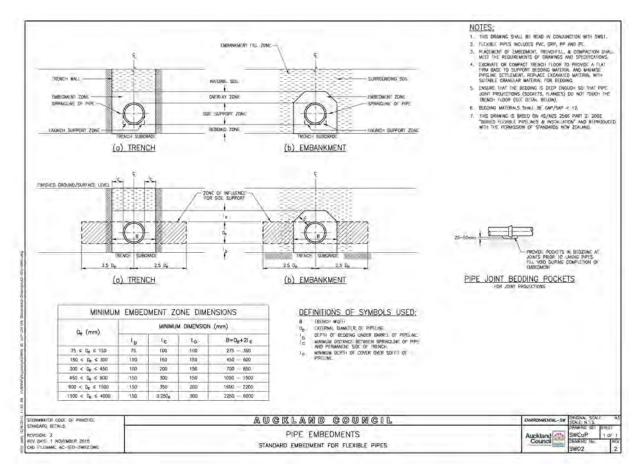
BEACH HAVEN

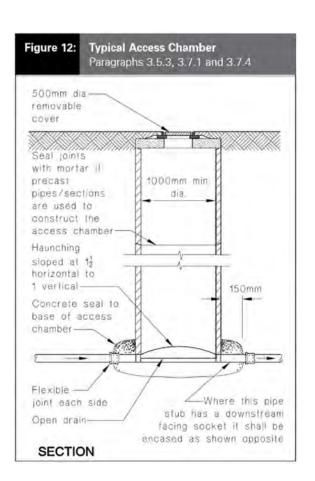
PROPOSED DRAINAGE WASTEWATER LONG SECTIONS SHEET 1

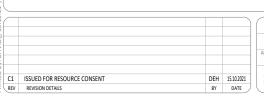
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DEH 08.2021

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WJR 15.10.2021

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CIVILPLAN
CONSULTANTS
Level 9. Laidlaw House. 20 Amersham Wav. Manukau. Auckland. Phone: 09 222 2445

KĀINGA ORA 161 BEACH HAVEN ROAD BEACH HAVEN PROPOSED DRAINAGE STORMWATER STANDARD DETAILS SHEET 1

SHEET TITLE:

ISSUE STATUS: CONSENT ISSUE

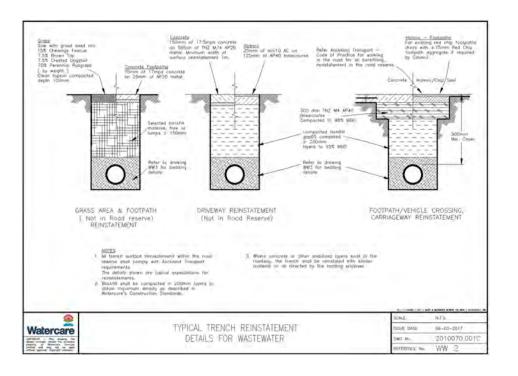
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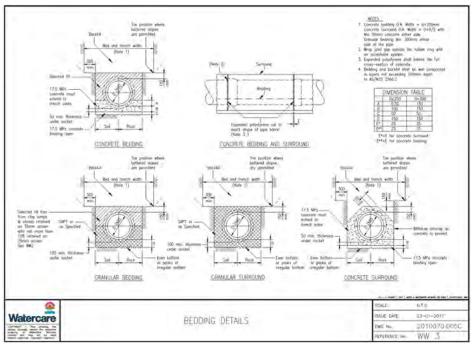
SCALE BAR
N.T.S.

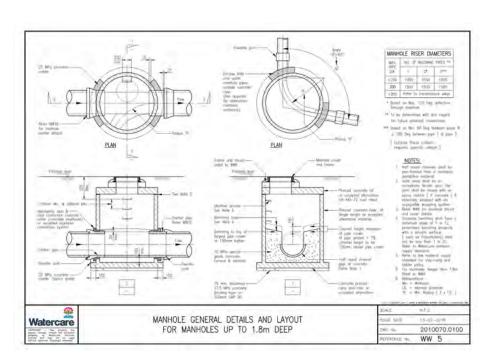
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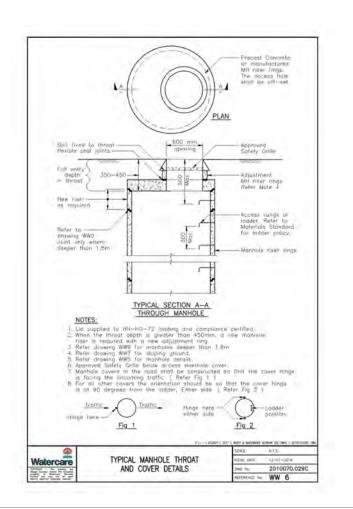
PROJECT TITLE

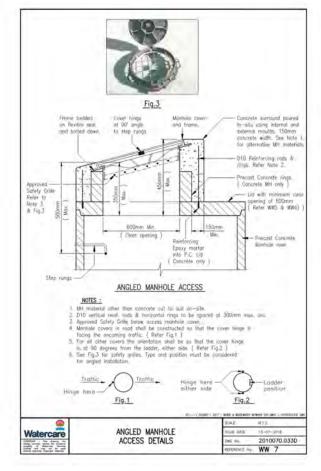










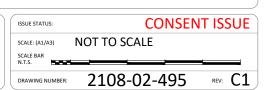




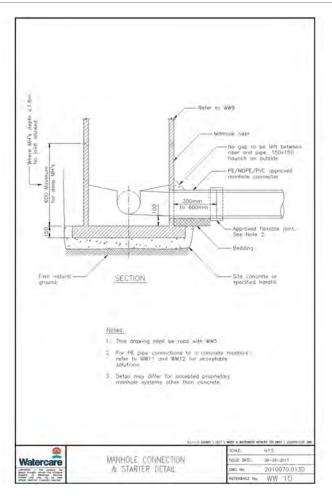


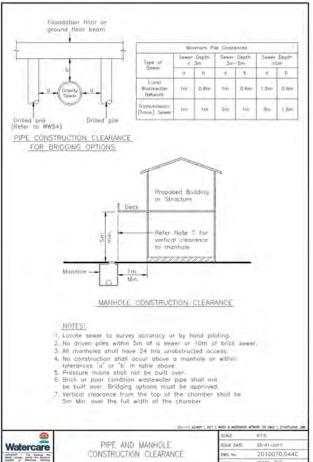
PROPOSED DRAINAGE
WASTEWATER STANDARD DETAILS
SHEET 1

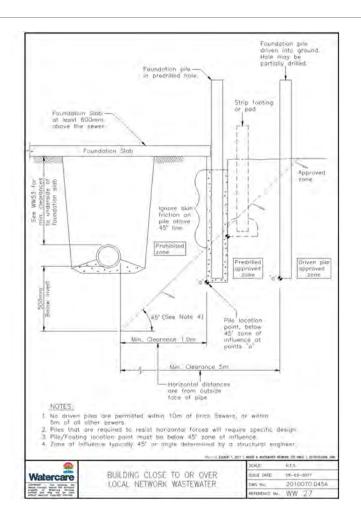
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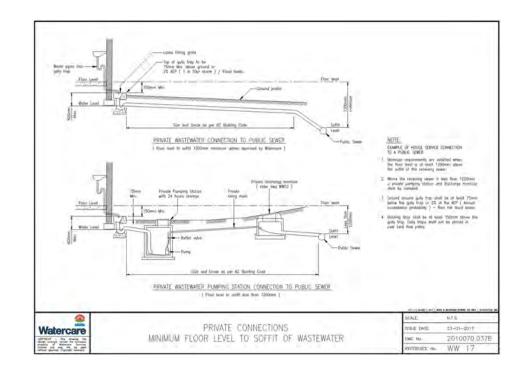


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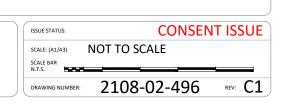


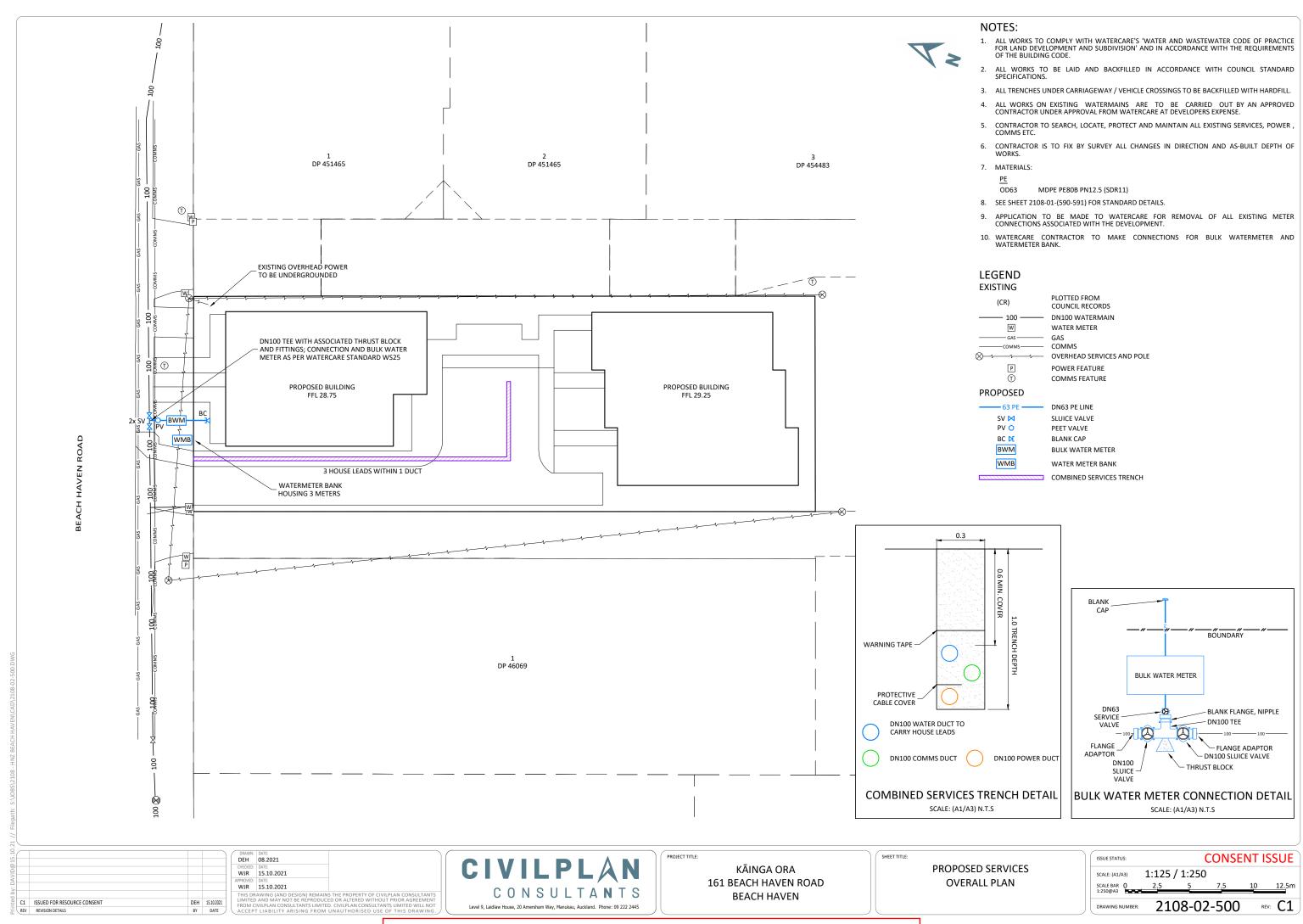




PROPOSED DRAINAGE
WASTEWATER STANDARD DETAILS
SHEET 2

SHEET TITLE:





STANDARDS RELATING TO WORKS

Works shall to be carried out to the requirements of the Health & Solety at work in Employment Act 2015

Works shall be completed to Watercare Construction Standards

MANUFACTURERS SPECIFICATIONS

Materials shall be installed to the Manufacturers requirements

WELDING & FIXINGS

All steelwork shall be be workshop fabricated.

Steelwork and lixings shall be not-dip galvanized to AS/MZS 4680 unless otherwise stated.

A Mickel anti-saze free of coppur , itself , sulphides , chlorides \otimes corbons (graphite) shall be used on bolts.

REINFORCING STEEL

Reinforcing shall be centrally placed with the specified minimum cover:

Bendy shall be cold formed.

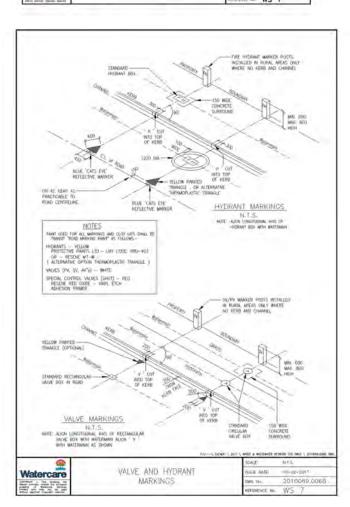
JOINT SEALS

Couplings & Flanges - Per WSL Material Standard.

Concrete joints around pipe penetrations through shambers shall be made with a suitable hydrophilic sealant to the manufacturer's requirements.

Concrete repair shall be reinforced and box-cast to prevent cracking from geatant forces.

GENERAL CONSTRUCTION NOTES

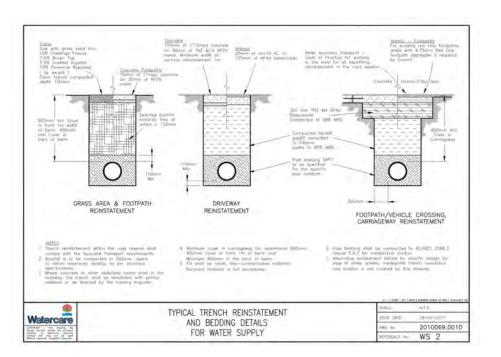


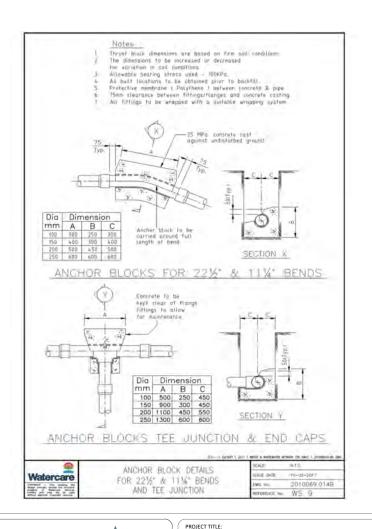
DEH 08.2021

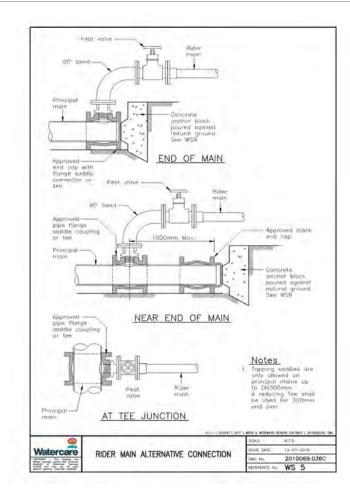
WJR 15.10.2021

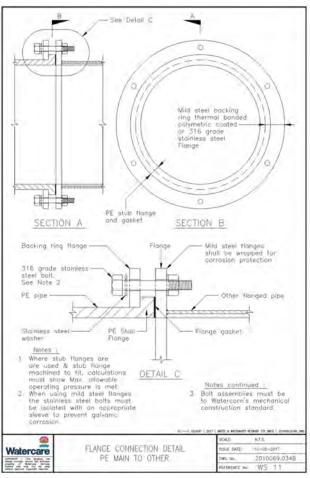
WJR 15.10.2021

BY DATE









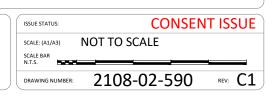




KĀINGA ORA 161 BEACH HAVEN ROAD **BEACH HAVEN**

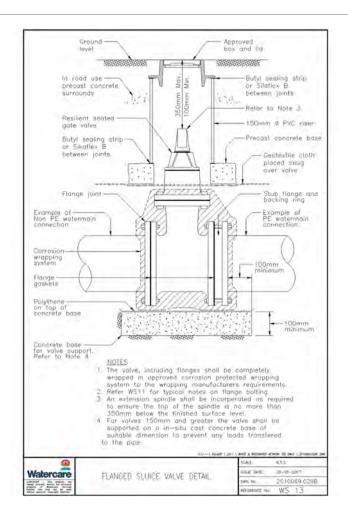
PROPOSED SERVICES WATER SUPPLY STANDARD DETAILS SHEET 1

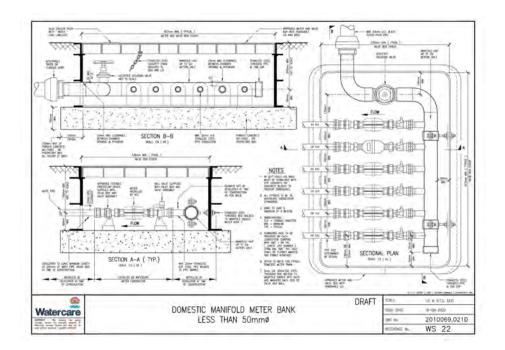
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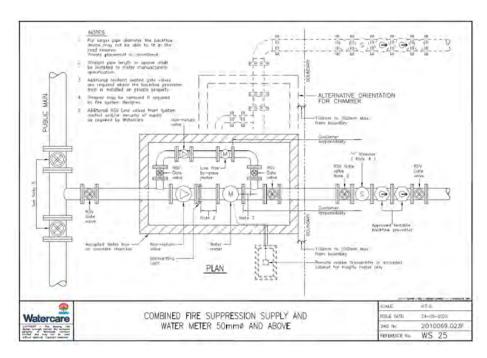


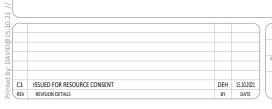
C1 ISSUED FOR RESOURCE CONSENT

REV REVISION DETAILS











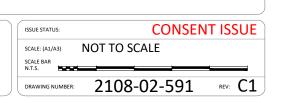
CIVILPLAN

CONSULTANTS

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KĀINGA ORA 161 BEACH HAVEN ROAD BEACH HAVEN PROPOSED SERVICES
WATER SUPPLY STANDARD DETAILS
SHEET 2

SHEET TITLE:



PROJECT TITLE: