



MSC

PROPOSED DEVELOPMENT

201 - 203 BROWNS BAY ROAD

AUCKLAND

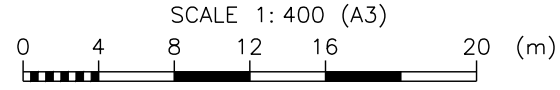
No.	DRAWING TITLE
COVER	COVER
C100	EXISTING SITE PLAN
C110	PROPOSED CONTOUR PLAN
C111	PROPOSED CUT / FILL PLAN
C200	SEDIMENT & EROSION CONTROL PLAN
C210	SEDIMENT & EROSION CONTROL DETAILS
C300	PROPOSED SITE PLAN
C310	PROPOSED SITE SECTIONS SHEET 1 OF 3
C311	PROPOSED SITE SECTIONS SHEET 2 OF 3
C312	PROPOSED SITE SECTIONS SHEET 3 OF 3
C400	PROPOSED DRAINAGE PLAN

STATUS
CIVIL DRAWINGS
FOR RESOURCE CONSENT

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NOTES:

1. SURVEY IS IN TERMS OF GEODETIC DATUM 2000 MT EDEN CIRCUIT.
2. THE HEIGHTS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. EXISTING SURVEY CONTOURS AT 0.50m INTERVALS.



LEGEND

- 45.0 — EX. CONTOUR (MAJOR)
- 44.5 --- EX. CONTOUR (MINOR)
- 29.8 EX. SPOT HEIGHT
- - - EX. BOUNDARY
- EX. KERB
- ⊙ EX. S/W MANHOLE
- ⊙ EX. W/W MANHOLE
- SW — EX. S/W PIPE
- SS — EX. W/W PIPE
- WM — EX. WATERMAIN PIPE
- EL — EX. POWER LINE

REV	DATE	FOR RESOURCE CONSENT	AMENDMENT	BY
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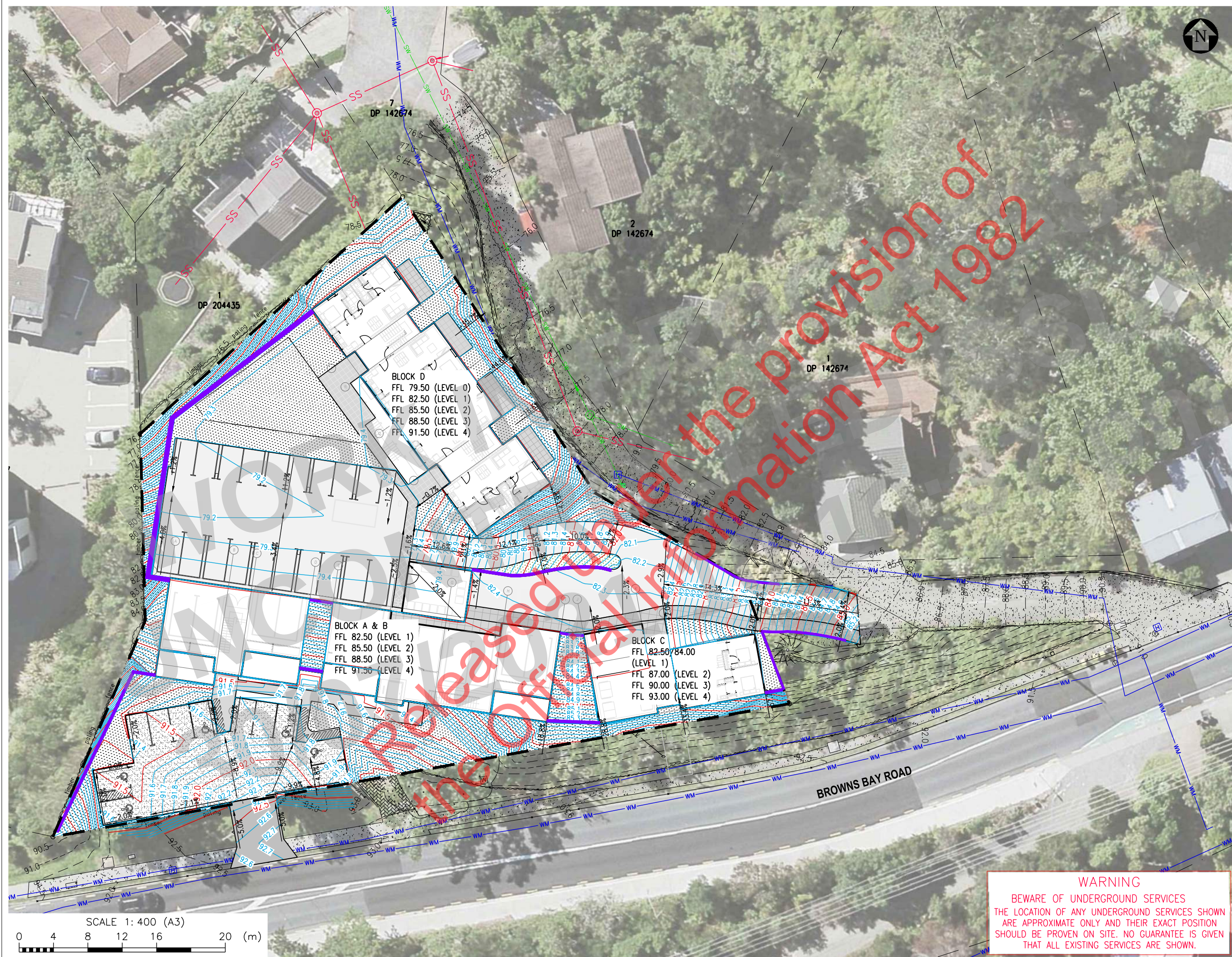
FOR RESOURCE CONSENT

PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND

EXISTING
SITE PLAN

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE	1:200	A3 SCALE	1:400
JOB No.	DWG No.	REVISION	
41965C	C100	A	

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF ANY UNDERGROUND SERVICES SHOWN
ARE APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN
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LEGEND

- 30.0 PR. CONTOUR (MAJOR)
- 29.8 PR. CONTOUR (MINOR)
- PR. RETAINING WALL

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PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND

PROPOSED
CONTOUR PLAN

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No.	DWG No.	REVISION	
41965C	C110	A	

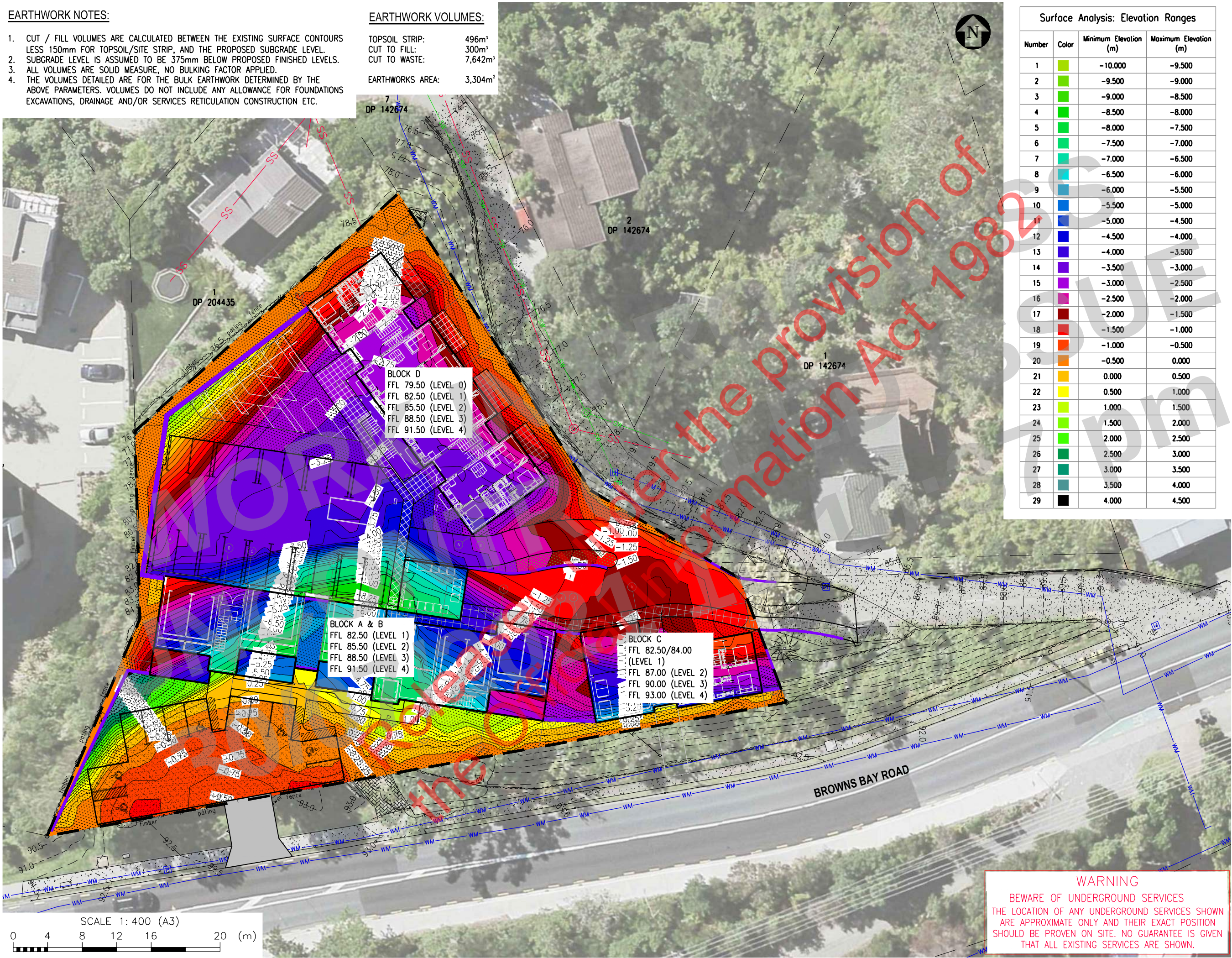
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EARTHWORK NOTES:

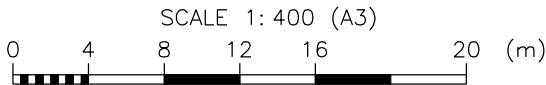
- 1. CUT / FILL VOLUMES ARE CALCULATED BETWEEN THE EXISTING SURFACE CONTOURS LESS 150mm FOR TOPSOIL/SITE STRIP, AND THE PROPOSED SUBGRADE LEVEL.
- 2. SUBGRADE LEVEL IS ASSUMED TO BE 375mm BELOW PROPOSED FINISHED LEVELS.
- 3. ALL VOLUMES ARE SOLID MEASURE, NO BULKING FACTOR APPLIED.
- 4. THE VOLUMES DETAILED ARE FOR THE BULK EARTHWORK DETERMINED BY THE ABOVE PARAMETERS. VOLUMES DO NOT INCLUDE ANY ALLOWANCE FOR FOUNDATIONS EXCAVATIONS, DRAINAGE AND/OR SERVICES RETICULATION CONSTRUCTION ETC.

EARTHWORK VOLUMES:

TOPSOIL STRIP: 496m³
CUT TO FILL: 300m³
CUT TO WASTE: 7,642m³
EARTHWORKS AREA: 3,304m²



Surface Analysis: Elevation Ranges			
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1		-10.000	-9.500
2		-9.500	-9.000
3		-9.000	-8.500
4		-8.500	-8.000
5		-8.000	-7.500
6		-7.500	-7.000
7		-7.000	-6.500
8		-6.500	-6.000
9		-6.000	-5.500
10		-5.500	-5.000
11		-5.000	-4.500
12		-4.500	-4.000
13		-4.000	-3.500
14		-3.500	-3.000
15		-3.000	-2.500
16		-2.500	-2.000
17		-2.000	-1.500
18		-1.500	-1.000
19		-1.000	-0.500
20		-0.500	0.000
21		0.000	0.500
22		0.500	1.000
23		1.000	1.500
24		1.500	2.000
25		2.000	2.500
26		2.500	3.000
27		3.000	3.500
28		3.500	4.000
29		4.000	4.500



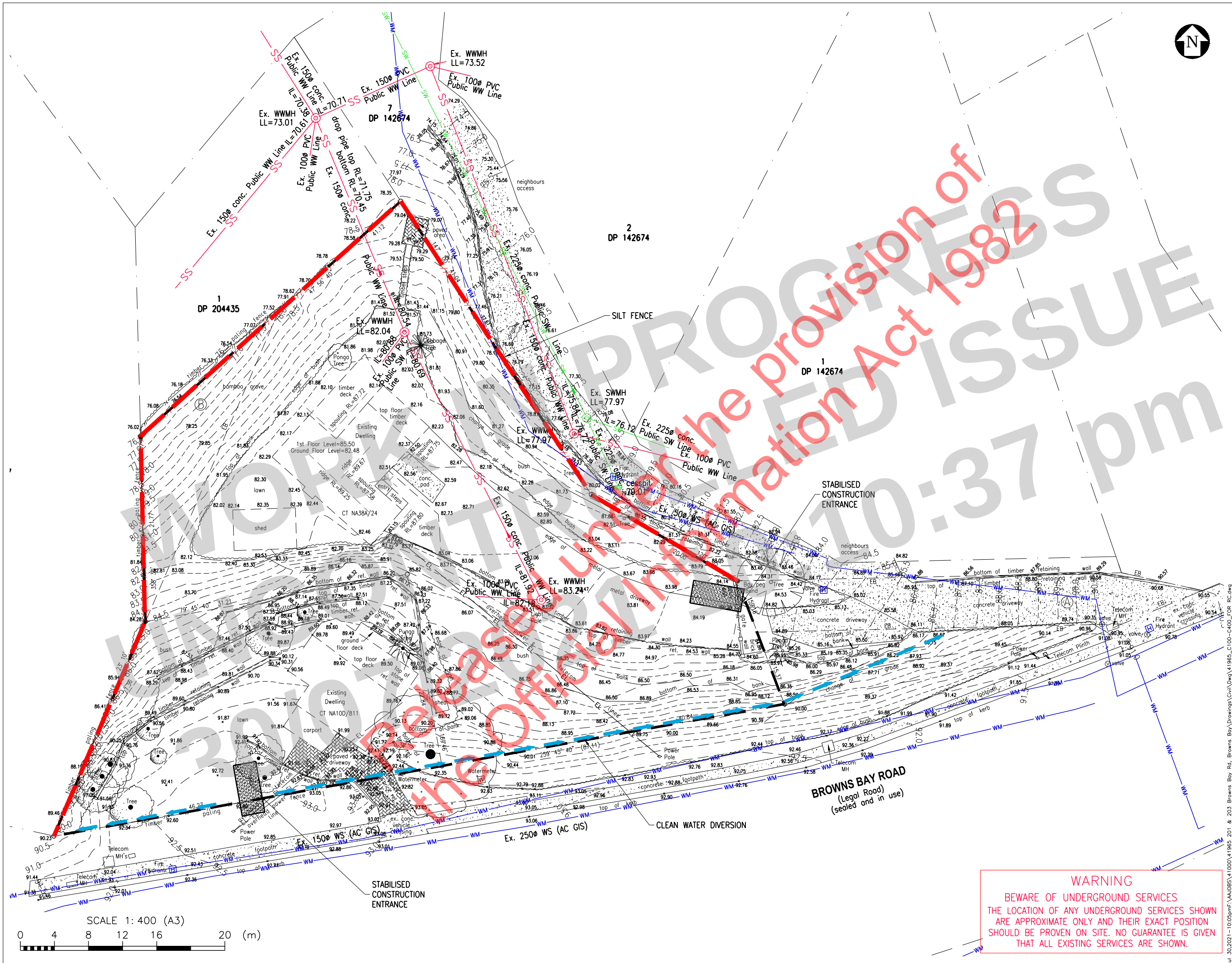
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FOR RESOURCE CONSENT					
PROPOSED DEVELOPMENT 201 - 203 BROWNS BAY ROAD AUCKLAND					
PROPOSED CUT / FILL PLAN					
DESIGNED		PC	DATE		JULY 2021
DRAWN		WL	CHECKED		PC
A1 SCALE 1:200			A3 SCALE 1:400		
JOB No.		DWG No.		REVISION	
41965C		C111		A	



LEGEND

- SILT FENCE
- STABILISED CONSTRUCTION ENTRANCE
- CLEANWATER DIVERSION

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PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND

SEDIMENT & EROSION
CONTROL PLAN

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No.	DWG No.	REVISION	
41965C	C200	A	

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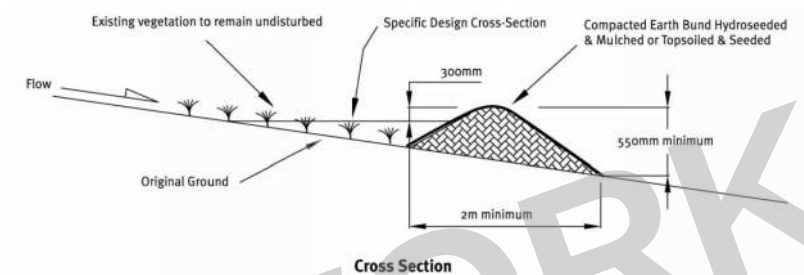


Figure 16: Cross-section of clean water diversion

CLEAN WATER DIVERSION

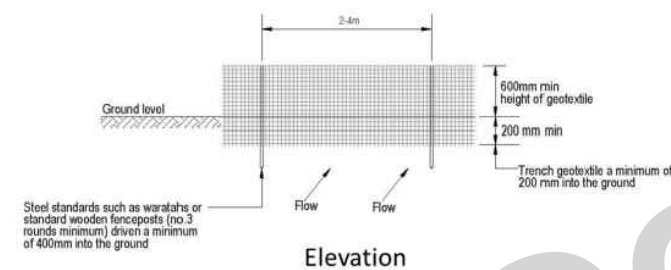


Figure 82: Schematic of a silt fence

SILT FENCE DETAIL

Table 9: Stabilised entranceway specifications

Design parameter	Specification
Aggregate size	50 - 60 mm washed aggregate
Minimum thickness	150 mm
Minimum length	10 m
Minimum width	4 m

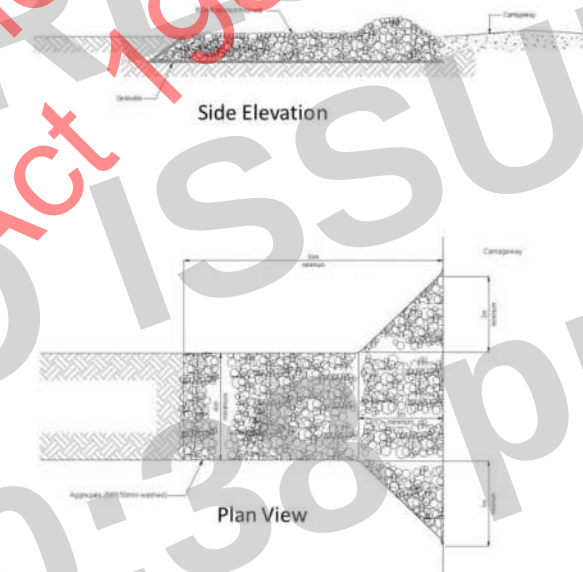


Figure 36: Stabilised entranceway

STABILISED CONSTRUCTION ENTRANCE

SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY EROSION CONTROL MEETING ON SITE WITH THE ENGINEER.
2. ALL SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORKS COMMENCING ON SITE AND APPROVED ON SITE BY THE ENGINEER.
3. THE MAIN DIVERSION DRAINS SHALL REMAIN OPERATIONAL AT ALL TIMES.
4. THE EROSION AND SEDIMENT CONTROL MEASURES DESCRIBED ON THIS PLAN ARE A MINIMUM. FURTHER CONTROL WORKS MAY BE REQUIRED BY THE ENGINEER AS THE PROJECT ADVANCES.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SITE HAS EFFECTIVE EROSION CONTROL AND SEDIMENT RETENTION MEASURES OPERATING AT ALL TIMES IN ACCORDANCE WITH GD05.
6. THE EARTHWORKS INVOLVED IN THIS PROJECT ARE PRINCIPALLY TO: CUT TO FORM BUILDING PLATFORMS, ACCESS ROADS AND CARPARKING AREAS.
7. ALL 'CLEAN WATER' RUNOFF FROM CATCHMENT AREAS ABOVE THE SITE SHALL BE DIVERTED AWAY FROM THE EARTHWORK AREAS VIA STABILISED SYSTEMS, SO AS TO PREVENT SURFACE EROSION.
8. ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH GD05 THE 'EROSION AND SEDIMENT CONTROL GUIDE FOR LAND DISTURBING ACTIVITIES IN THE AUCKLAND REGION' JUNE 2016.
9. A COPY OF THE EROSION & SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE AT ALL TIMES. ALL PERSONNEL, INCLUSIVE OF SUB-CONTRACTORS, SHALL BE FAMILIAR WITH ALL RELEVANT CONSENT AND PLAN REQUIREMENTS.

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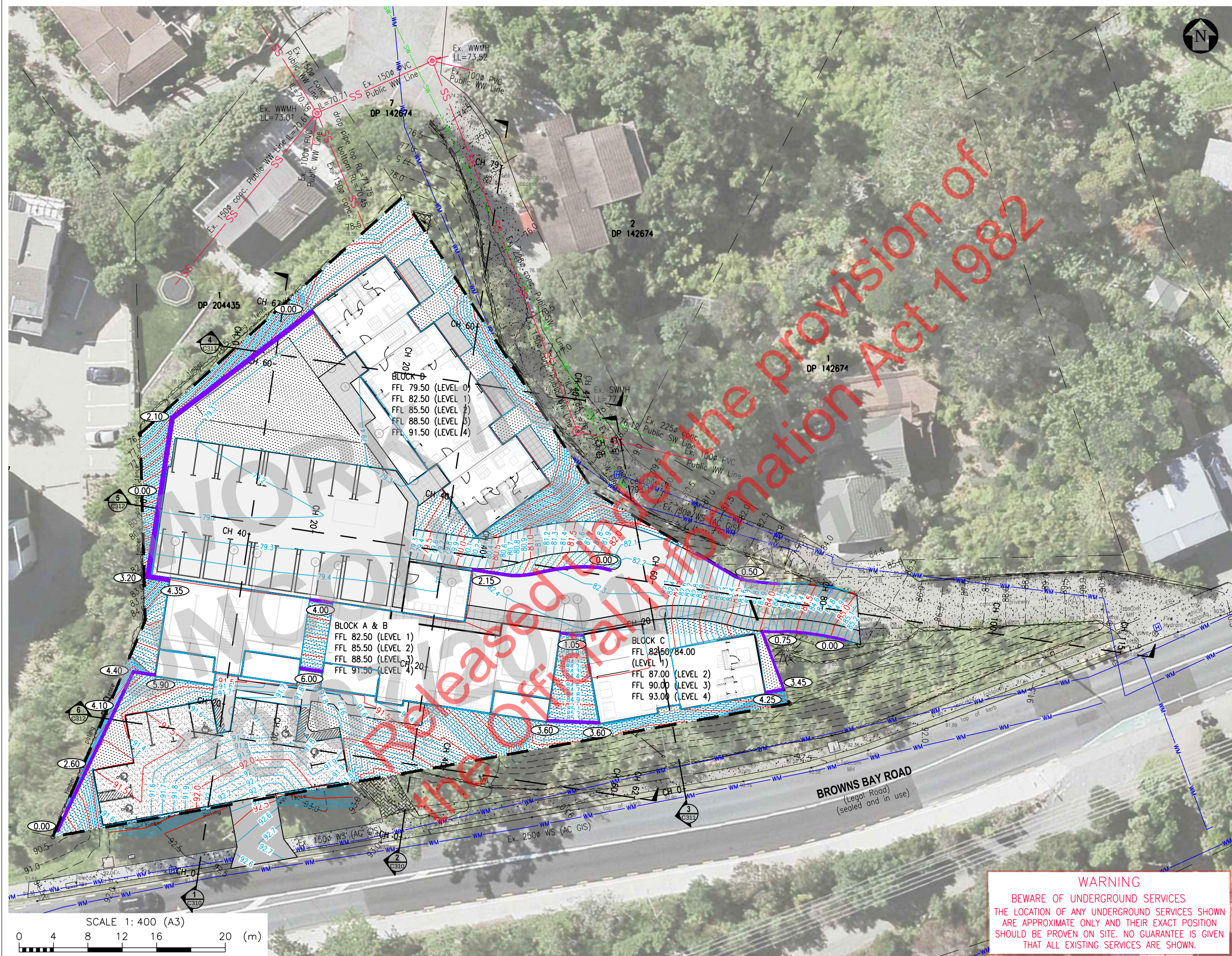
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PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND

SEDIMENT & EROSION CONTROL DETAILS

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE	N.T.S	A3 SCALE	N.T.S
JOB No.	DWG No.	REVISION	
41965C	C210	A	



LEGEND

- 30.0 --- EX. CONTOUR (MAJOR)
- 29.8 --- EX. CONTOUR (MINOR)
- EX. BOUNDARY
- ⊙ EX. S/S MANHOLE
- ⊙ EX. W/W MANHOLE
- SW — EX. S/W PIPE
- ⊞ EX. S/W CESSPIT
- SS — EX. W/W PIPE
- WM — EX. WATERMAIN PIPE
- 49.50 NEW LEVELS
- NEW BUILDING
- K&C NEW KERB & CHANNEL
- NEW SWMH
- ⊞ NEW S/W CESSPIT
- DP NEW DOWNPIPE
- NEW WWMH
- 2.05 NEW RETAINED HEIGHT
- NEW RETAINING WALL
- (C.O.S) CONFIRM ON SITE

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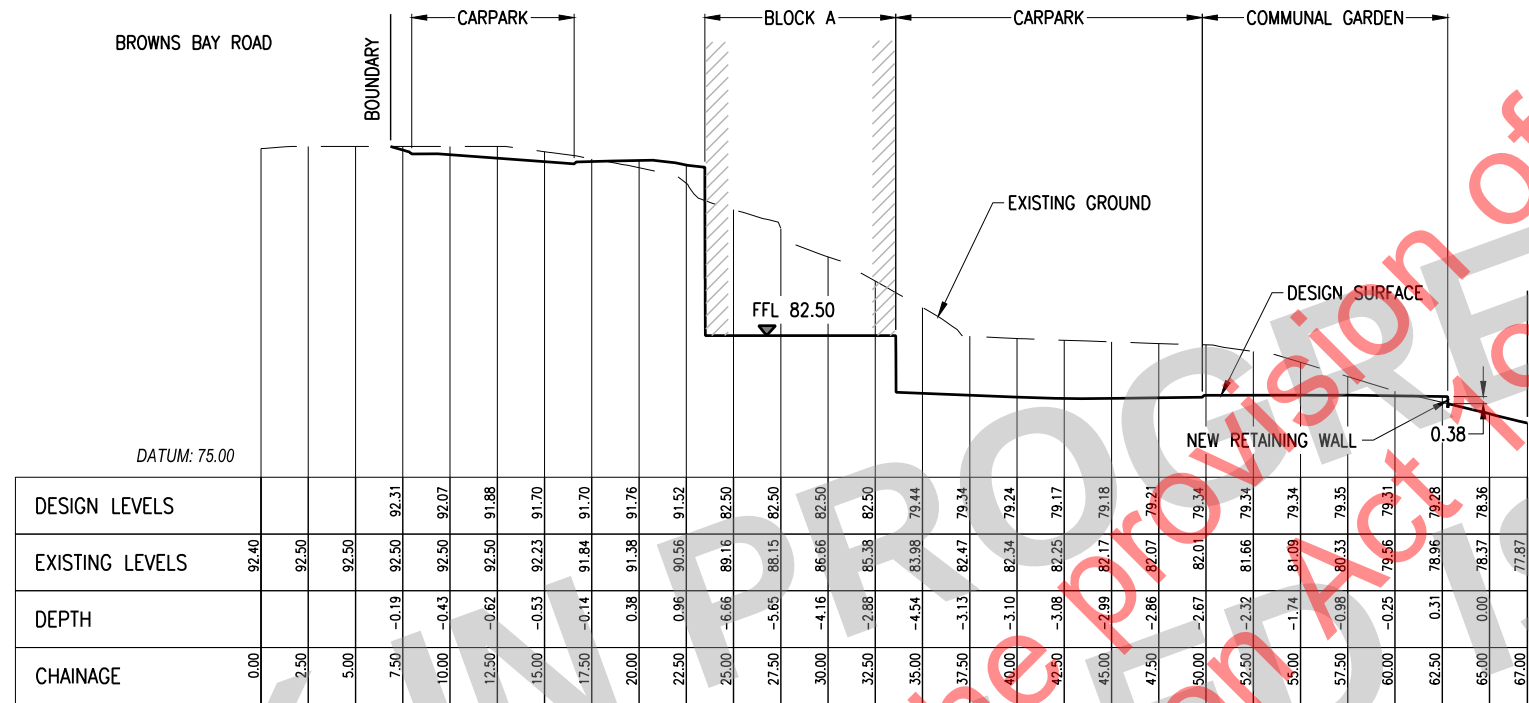
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PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND

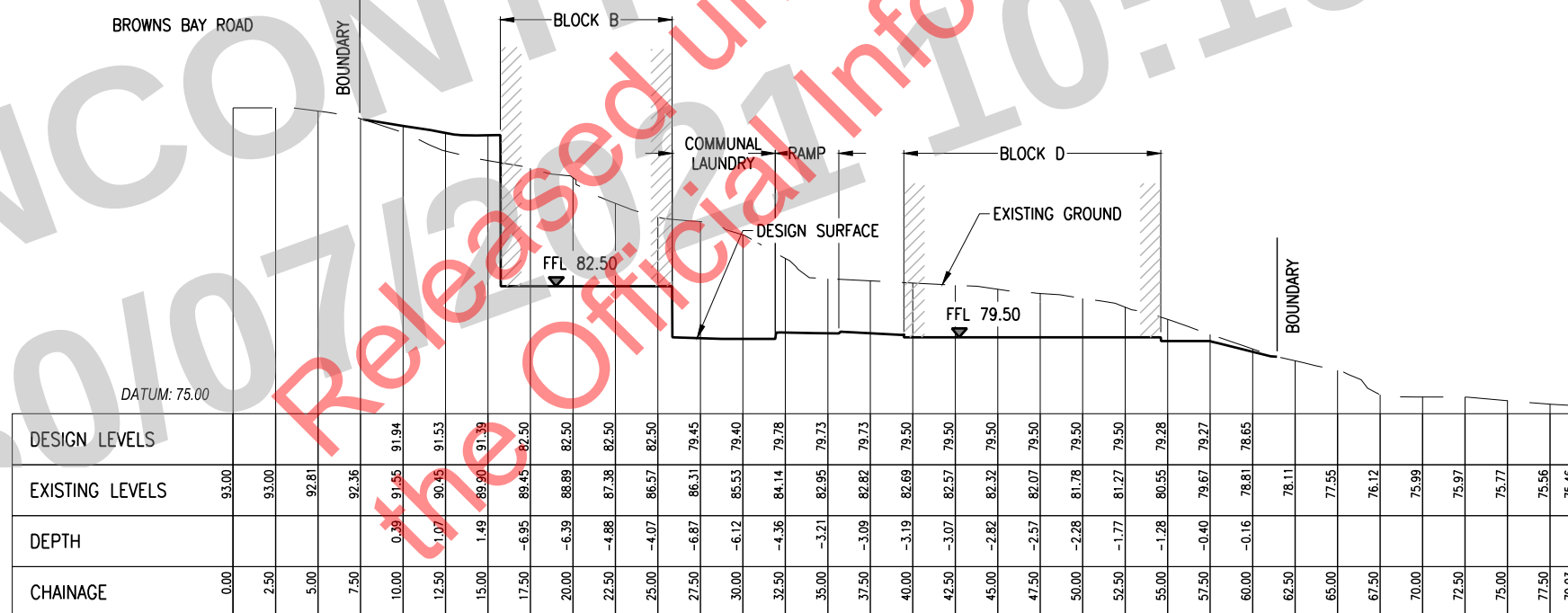
**PROPOSED
SITE PLAN**

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE	1:200	A3 SCALE	1:400
JOB No.	DWG No.	REVISION	
41965C	C300	A	

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SECTION 1
HORIZ. SCALE 1:200
VERT. SCALE 1:200



SECTION 2
HORIZ. SCALE 1:200
VERT. SCALE 1:200

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PROPOSED DEVELOPMENT 201 - 203 BROWNS BAY ROAD AUCKLAND			
PROPOSED SITE SECTIONS SHEET 1 OF 3			
DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No.	DWG No.	REVISION	
41965C	C310	A	

DATUM: 75.00

DESIGN LEVELS	EXISTING LEVELS	DEPTH	CHAINAGE
	92.78		0.00
	92.68		2.50
	91.30		5.00
	89.64		7.50
	87.60	-5.10	10.00
	86.54	-4.04	12.50
	85.10	-2.60	15.00
	84.26	-1.87	17.50
	83.95	-1.58	20.00
	83.83	-1.51	22.50
	83.71	-1.46	25.00
	83.40	-1.22	27.50
	82.83	-0.76	30.00
	81.80		32.50
	79.39		35.00
	78.99		37.50
	78.77		40.00
			41.34

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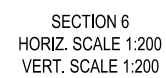
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FOR RESOURCE CONSENT

**PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND**

**PROPOSED
SITE SECTIONS
SHEET 2 OF 3**

DESIGNED PC		DATE JULY 2021	
DRAWN WL		CHECKED PC	
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No. 41965C	DWG No. C311	REVISION A	



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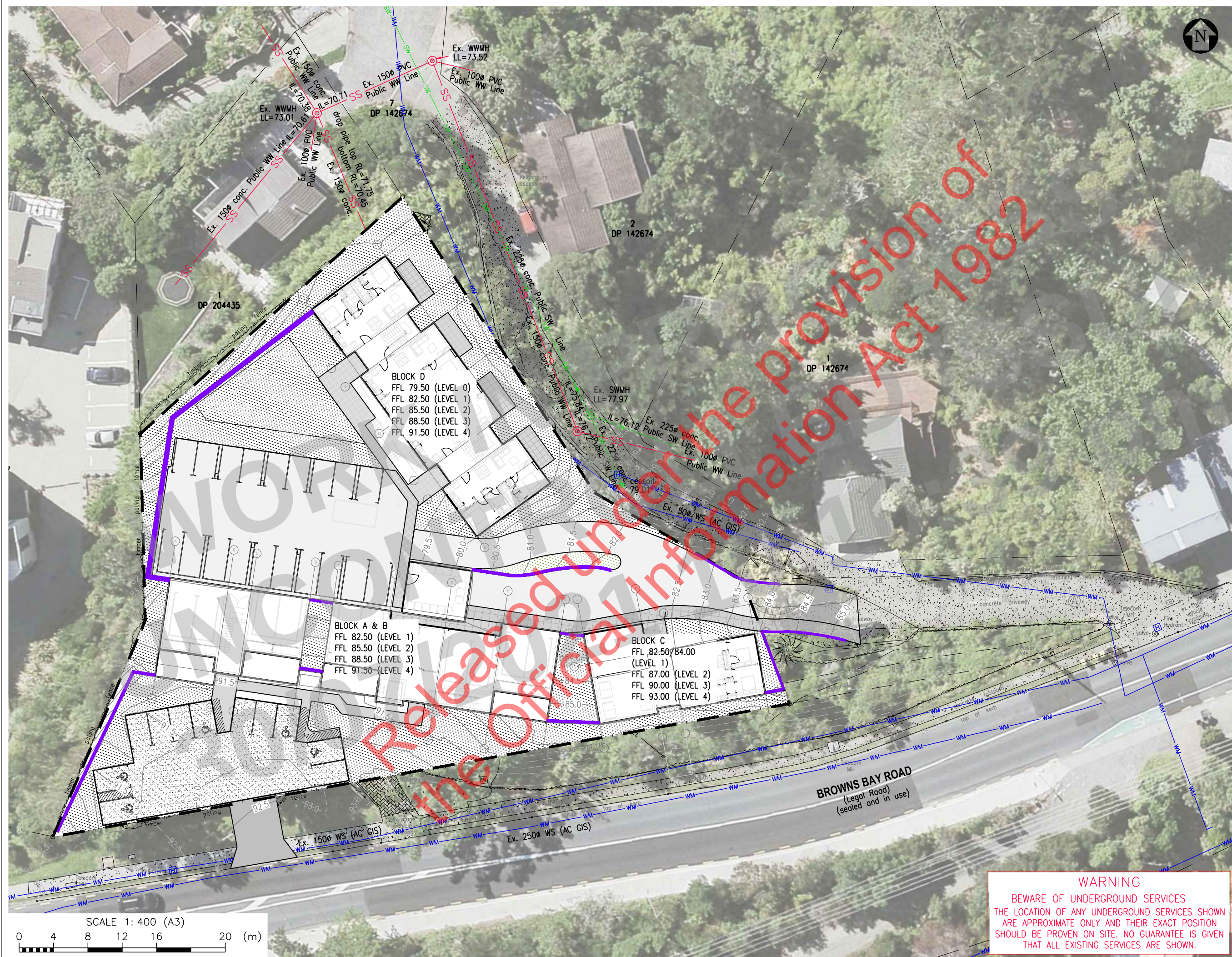
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**PROPOSED DEVELOPMENT
201 - 203 BROWNS BAY ROAD
AUCKLAND**

**PROPOSED
SITE SECTIONS
SHEET 3 OF 3**

DESIGNED PC		DATE JULY 2021	
DRAWN WL		CHECKED PC	
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No. 41965C	DWG No. C312		REVISION A

Jul 30, 2021 - 10:06pmF:\AAJOBS\41000\41965 201 & 203 Browns Bay Rd, Browns Bay Drawings\Civil\Dwg\41965_C100-C400_FOR RC.dwg



LEGEND

- 30.0 --- EX. CONTOUR (MAJOR)
- 29.8 --- EX. CONTOUR (MINOR)
- EX. BOUNDARY
- ⊙ EX. S/S MANHOLE
- ⊙ EX. W/W MANHOLE
- SW — EX. S/W PIPE
- ⊞ EX. S/W CESSPIT
- SS — EX. W/W PIPE
- WM — EX. WATERMAIN PIPE
- ▬ NEW BUILDING
- ▬ NEW KERB ONLY
- ⊙ NEW SWMH
- SW — NEW S/W PIPE
- ⊞ NEW S/W CESSPIT
- DP ⊙ NEW DOWNPIPE
- ⊙ NEW WWMH
- SS — NEW W/W PIPE
- WM — NEW WATERMAIN PIPE
- (C.O.S) CONFIRM ON SITE

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PROPOSED DEVELOPMENT
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AUCKLAND

PROPOSED DRAINAGE PLAN

DESIGNED	PC	DATE	JULY 2021
DRAWN	WL	CHECKED	PC
A1 SCALE 1:200		A3 SCALE 1:400	
JOB No.	DWG No.	REVISION	
41965C	C400	A	

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