

NO EXCAVATION OR FILL PLACEMENT TO BE UNDERTAKEN AROUND THE EXISTING POHUTUKAWA TREES

EXISTING FUEL LINE TO BE RETAINED. CONTRACTOR TO MAKE PROVISION TO PROTECT FUEL LINE DURING CONSTRUCTION

BULK EARTHWORKS QUANTITIES:

STRIPPING VOLUME = **3,200m³**
 (100mm DEPTH, PREDOMINANTLY PAVEMENT LAYERS WITH SOME TOPSOIL)

CUT VOLUME = **14,300m³**
 FILL VOLUME = **12,500m³**

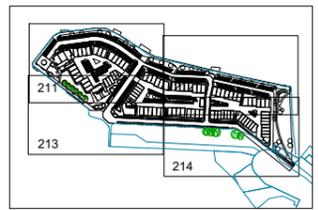
- CUT/FILL VOLUMES ARE FROM STRIPPED SURFACE TO SUBGRADE SURFACE
- SUBGRADE SURFACE IS 300mm BELOW DESIGN SURFACE (INCL WITHIN BASEMENTS)
- A 15% COMPACTION FACTOR HAS BEEN APPLIED TO THE FILL VOLUME

Range No.	Min. Elevation (m)	Max. Elevation (m)	Area (m ²)	Volume (m ³)	Colour
1	-6.00	-5.00	31.10	4.65	Dark Red
2	-5.00	-4.00	4.18	34.26	Red
3	-4.00	-3.00	1292.69	505.28	Orange
4	-3.00	-2.00	50.42	1353.11	Light Orange
5	-2.00	-1.00	1625.48	1610.63	Yellow
6	-1.00	0.00	17463.64	10836.89	Light Yellow
7	0.00	1.00	8061.27	9149.86	Light Blue
8	1.00	2.00	5232.62	1699.10	Blue
9	2.00	3.00	160.61	20.84	Dark Blue

EARTHWORK NOTES:

- LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000)
- COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT)

Original Size: 1:500
 1:1000 (A3)



No.	Revision Details	Date
B	RC S92 ISSUE	20/05/21
A	ISSUED FOR RESOURCE CONSENT	19/02/21
No. Revision Details (Current Revision Date : 4/05/2021)		

Design AW
 Survey
 Drawn MK
 Checked ML
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 Scale 1:500 (A1) 1:1000 (A3)
 CAD Filename 12582-01-210.dwg
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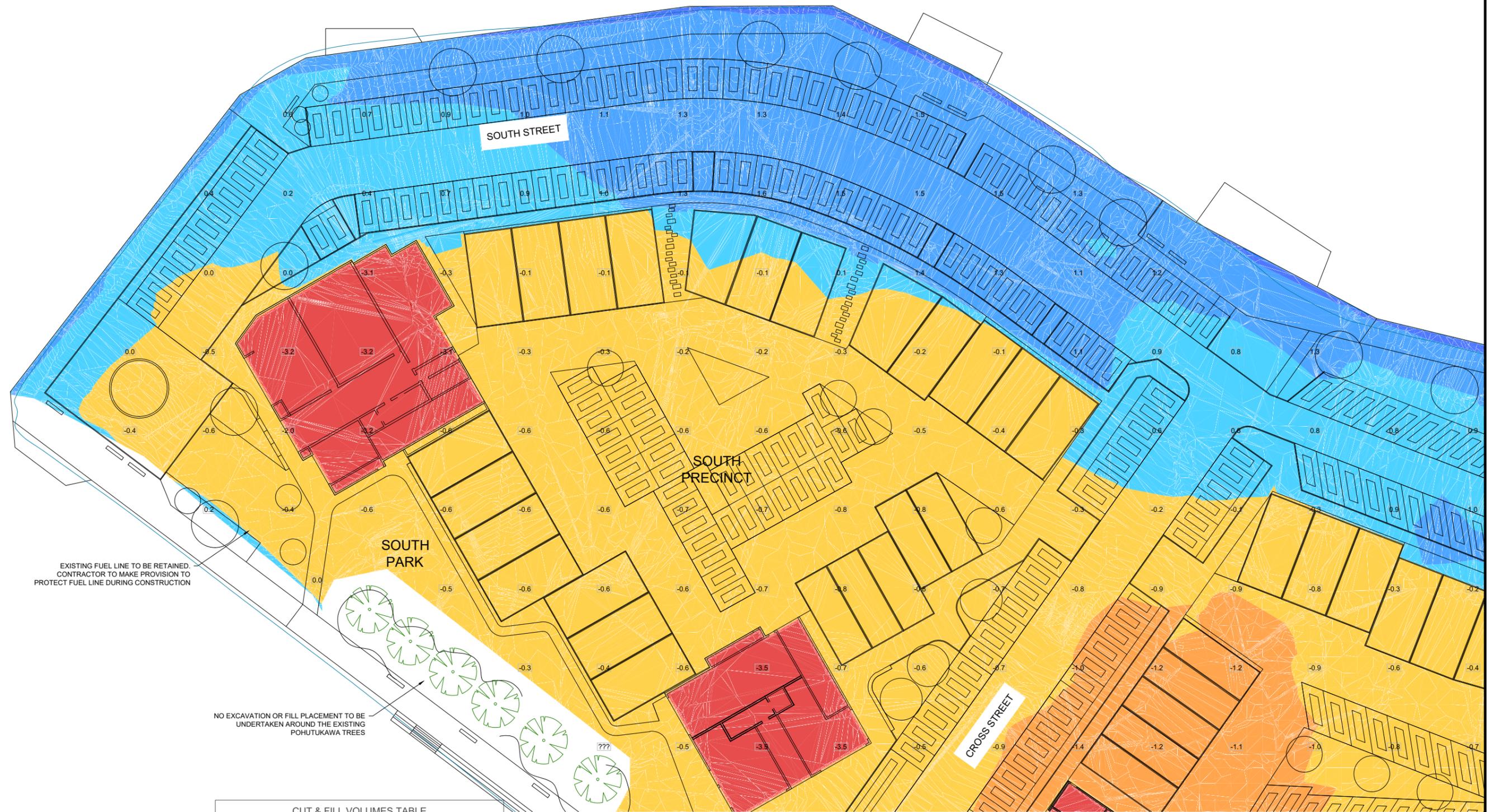
RC

Job Title:
BAYSWATER MARINA HOLDINGS LTD
BAYSWATER MARITIME PRECINCT
21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND

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CONSULTING CIVIL & STRUCTURAL ENGINEERS
 Takapuia, Pukekohe, Hawick, Queenstown, Christchurch, Orewa

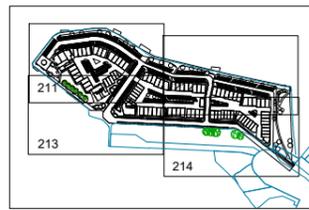
Drawing Title: CUT AND FILL OVERVIEW		
File No. 12582-01-210	Rev. B	Dwg. No. 210



EXISTING FUEL LINE TO BE RETAINED. CONTRACTOR TO MAKE PROVISION TO PROTECT FUEL LINE DURING CONSTRUCTION

NO EXCAVATION OR FILL PLACEMENT TO BE UNDERTAKEN AROUND THE EXISTING POHUTUKAWA TREES

Original Size: 1:250
1:500 (A3)



CUT & FILL VOLUMES TABLE					
Range No.	Min. Elevation (m)	Max. Elevation (m)	Area (m ²)	Volume (m ³)	Colour
1	-6.00	-5.00	31.10	4.65	Dark Blue
2	-5.00	-4.00	4.18	34.26	Blue
3	-4.00	-3.00	1292.69	505.28	Light Blue
4	-3.00	-2.00	50.42	1353.11	Yellow-Orange
5	-2.00	-1.00	1625.48	1610.63	Orange
6	-1.00	0.00	17463.64	10836.89	Yellow
7	0.00	1.00	8061.27	9149.86	Light Yellow
8	1.00	2.00	5232.62	1699.10	Light Blue
9	2.00	3.00	160.61	20.84	Dark Blue

EARTHWORK NOTES:

- LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000)
- COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT)

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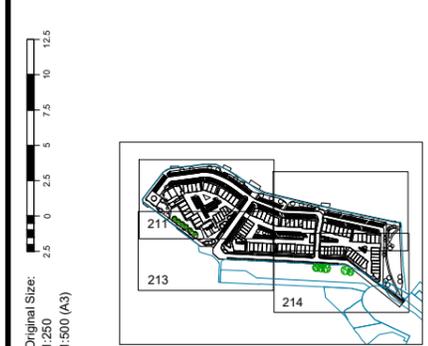
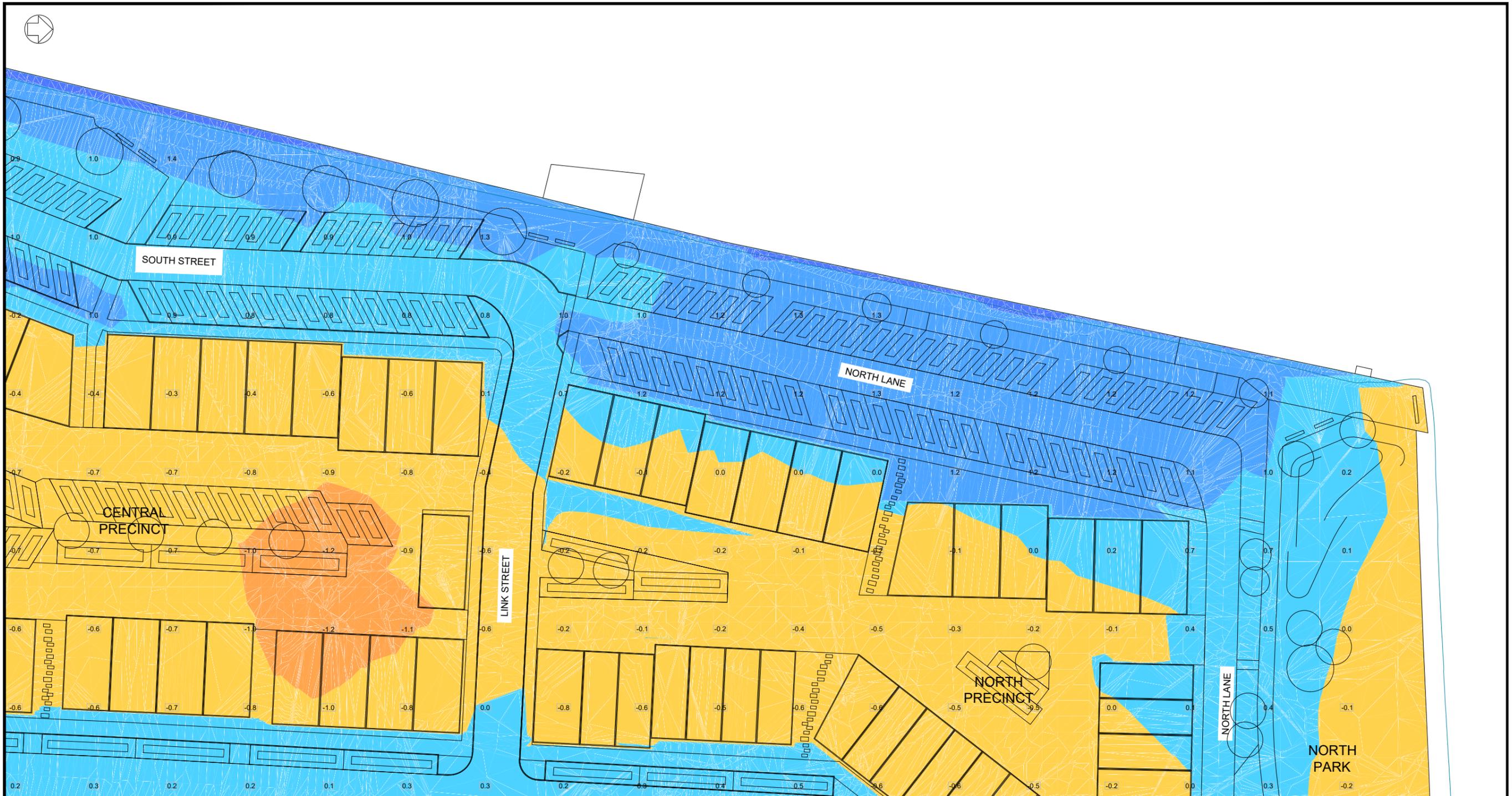


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AUCKLAND**



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Drawing Title: CUT AND FILL 1 OF 4	
File No. 12582-01-210	Rev. B
Dwg. No. 211	



Range No.	Min. Elevation (m)	Max. Elevation (m)	Area (m ²)	Volume (m ³)	Colour
1	-6.00	-5.00	31.10	4.65	Dark Red
2	-5.00	-4.00	4.18	34.26	Red
3	-4.00	-3.00	1292.69	505.28	Dark Red
4	-3.00	-2.00	50.42	1353.11	Red
5	-2.00	-1.00	1625.48	1610.63	Orange
6	-1.00	0.00	17463.64	10836.89	Yellow
7	0.00	1.00	8061.27	9149.86	Light Blue
8	1.00	2.00	5232.62	1699.10	Blue
9	2.00	3.00	160.61	20.84	Dark Blue

- EARTHWORK NOTES:**
- LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000)
 - COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT)

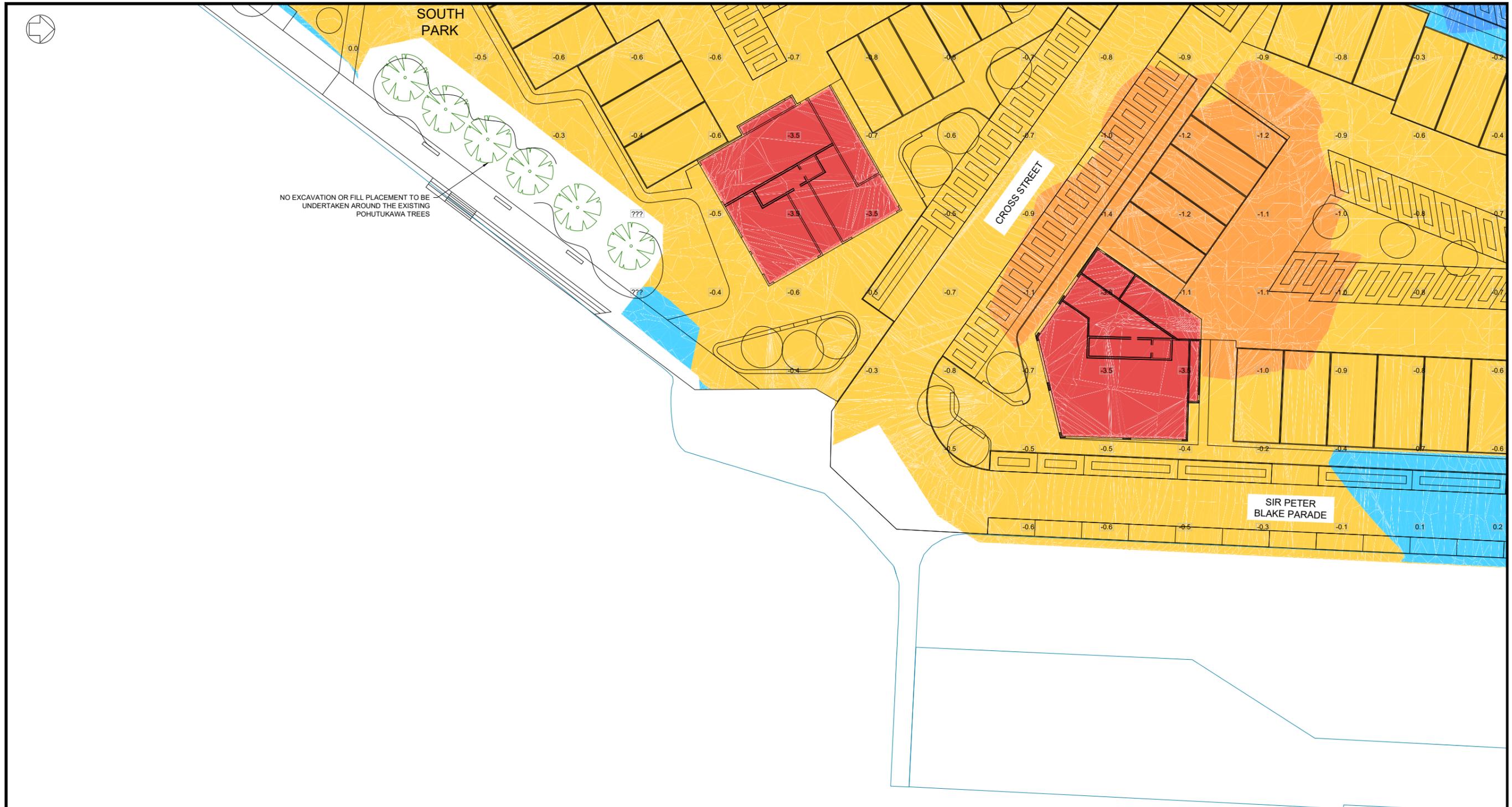
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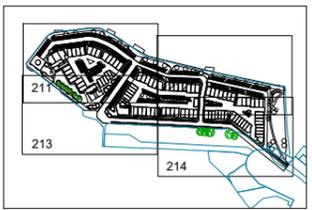
Drawing Title	
CUT AND FILL 2 OF 4	
File No.	Rev.
12582-01-210	B
Dwg. No.	
212	



Range No.	Min. Elevation (m)	Max. Elevation (m)	Area (m ²)	Volume (m ³)	Colour
1	-6.00	-5.00	31.10	4.65	Dark Red
2	-5.00	-4.00	4.18	34.26	Red
3	-4.00	-3.00	1292.69	505.28	Dark Red
4	-3.00	-2.00	50.42	1353.11	Red
5	-2.00	-1.00	1625.48	1610.63	Orange
6	-1.00	0.00	17463.64	10836.89	Yellow
7	0.00	1.00	8061.27	9149.86	Light Blue
8	1.00	2.00	5232.62	1699.10	Blue
9	2.00	3.00	160.61	20.84	Dark Blue

- EARTHWORK NOTES:**
- LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000)
 - COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT)

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1:500 (A3)



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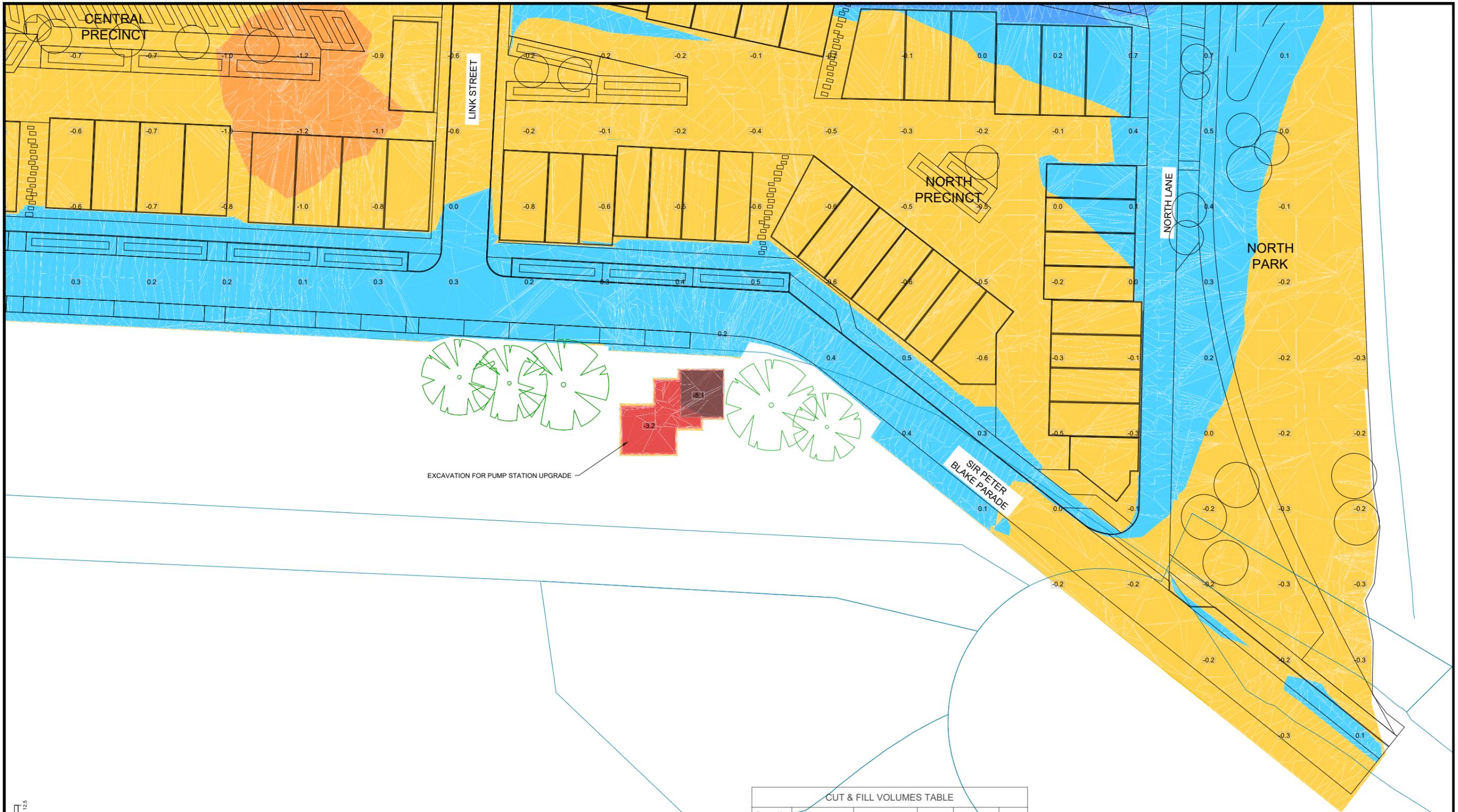
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Drawing Title: CUT AND FILL 3 OF 4		
File No. 12582-01-210	Rev. B	Dwg. No. 213



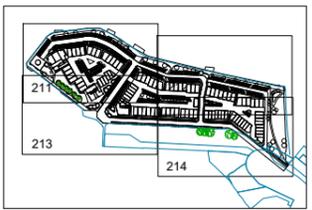
EXCAVATION FOR PUMP STATION UPGRADE

CUT & FILL VOLUMES TABLE

Range No.	Min. Elevation (m)	Max. Elevation (m)	Area (m ²)	Volume (m ³)	Colour
1	-6.00	-5.00	31.10	4.65	Dark Red
2	-5.00	-4.00	4.18	34.26	Red
3	-4.00	-3.00	1292.69	505.28	Light Red
4	-3.00	-2.00	50.42	1353.11	Orange
5	-2.00	-1.00	1625.48	1610.63	Yellow
6	-1.00	0.00	17463.64	10836.89	Light Blue
7	0.00	1.00	8061.27	9149.86	Blue
8	1.00	2.00	5232.62	1699.10	Dark Blue
9	2.00	3.00	160.61	20.84	Very Dark Blue

- EARTHWORK NOTES:**
- LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000)
 - COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT)

Original Size: 1:250
1:500 (A3)



No.	Revision Details	Date
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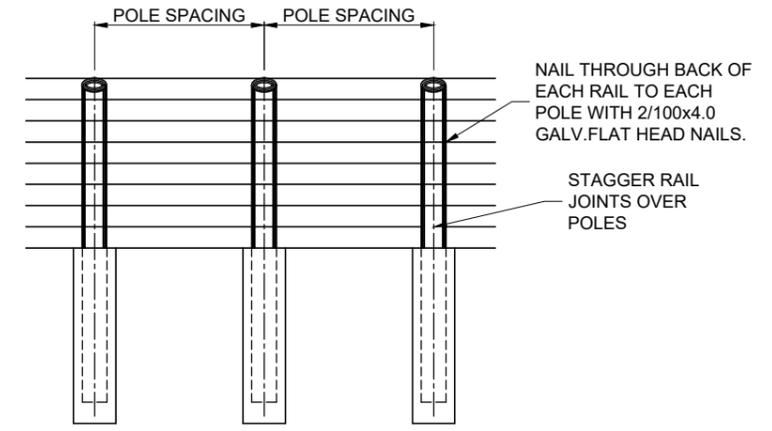
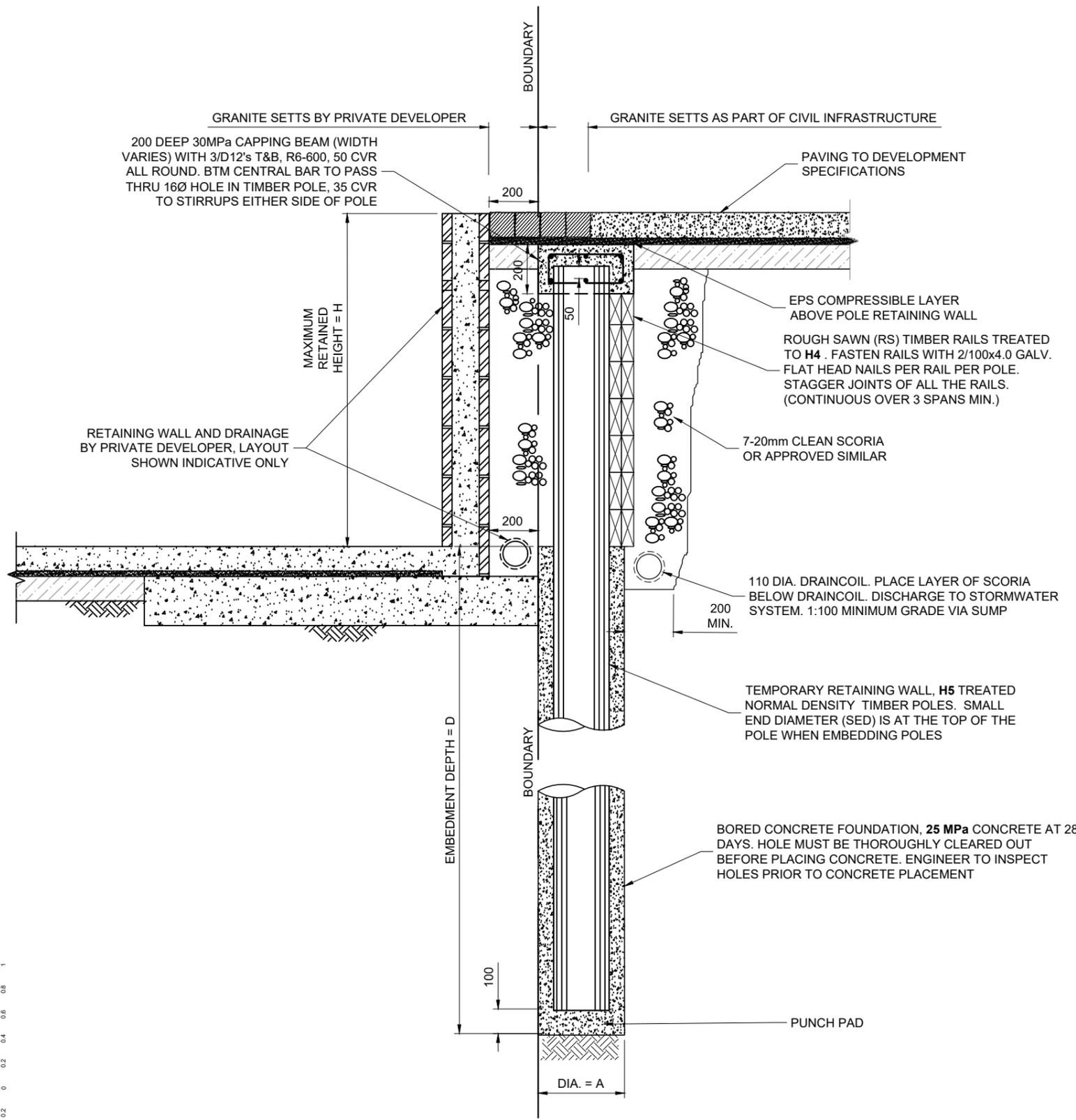
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Drawing Title: CUT AND FILL 4 OF 4		
File No. 12582-01-210	Rev. B	Dwg. No. 214



TYPICAL FRONT ELEVATION

FRONT SLOPE = 0°
 BACK SLOPE = 0°
 SURCHARGE = 12 kPa
 SHEAR STRENGTH = 35 kPa
 $\phi = 20^\circ$ $\gamma = 15\text{kN/m}^3$

TIMBER POST RETAINING WALL PARAMETERS					
H (mm)	POLE S.E.D. (mm)	CENTRES (mm)	HOLE DIA A (mm)	EMBED'T (D) (mm)	RAILS (DxB) (mm)
900	175	1200	350	1350	2/150x50
1200	225	1200	400	1900	2/150x50
1500	275	1200	450	2550	2/150x50
1800	300	1200	450	3300	3/150x50

01 TEMPORARY TIMBER POLE RETAINING WALL
 1:20 @ A3

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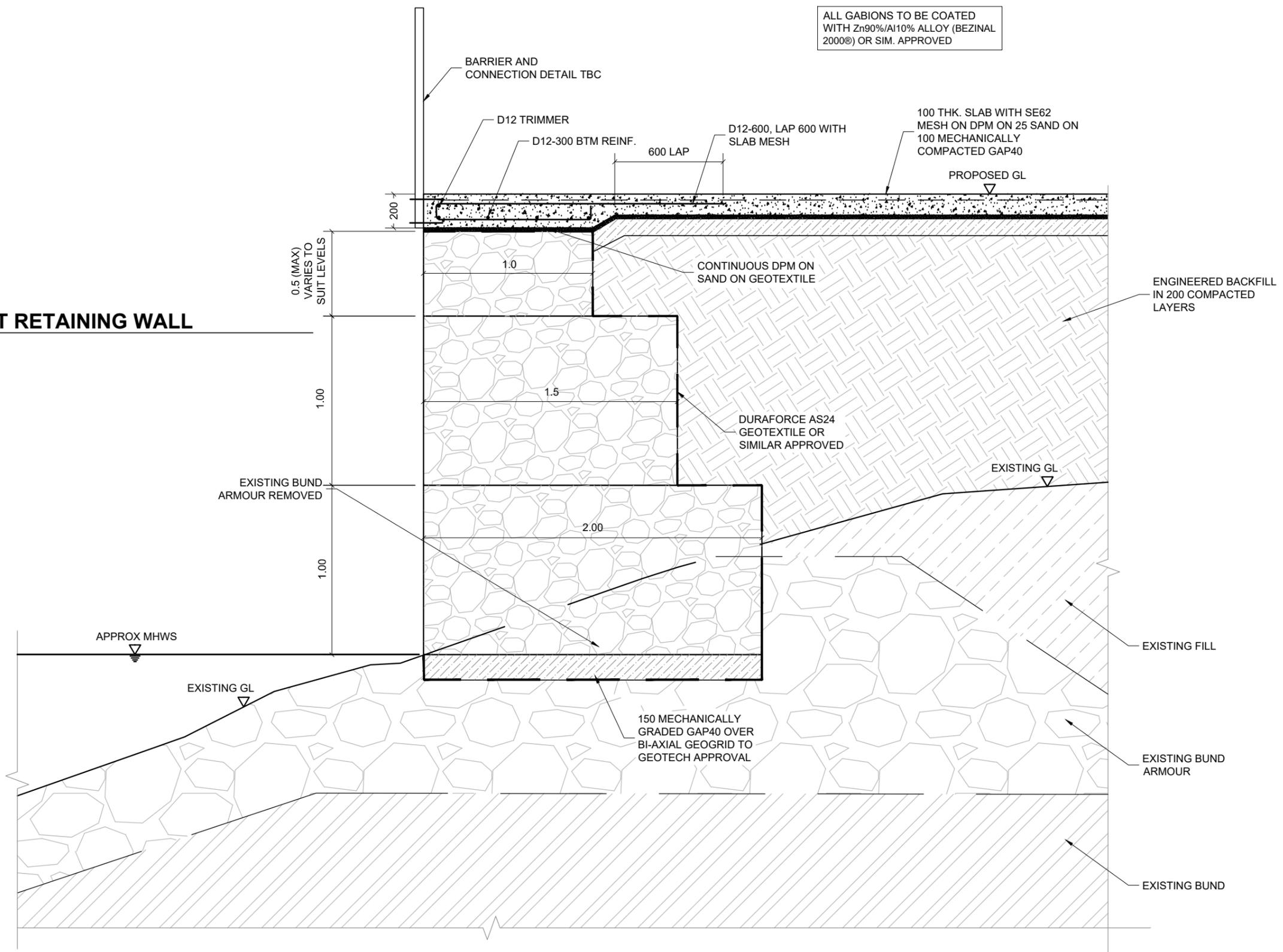
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Drawing Title
TERRACE HOUSE EXCAVATION -
TEMPORARY TIMBER POLE
RETAINING WALL

File No. **12582-01-220** Rev. **B** Dwg. No. **221**

02 GABION BASKET RETAINING WALL
1:25 @ A3



Original Size:
1:25 (A3)

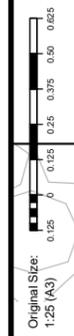
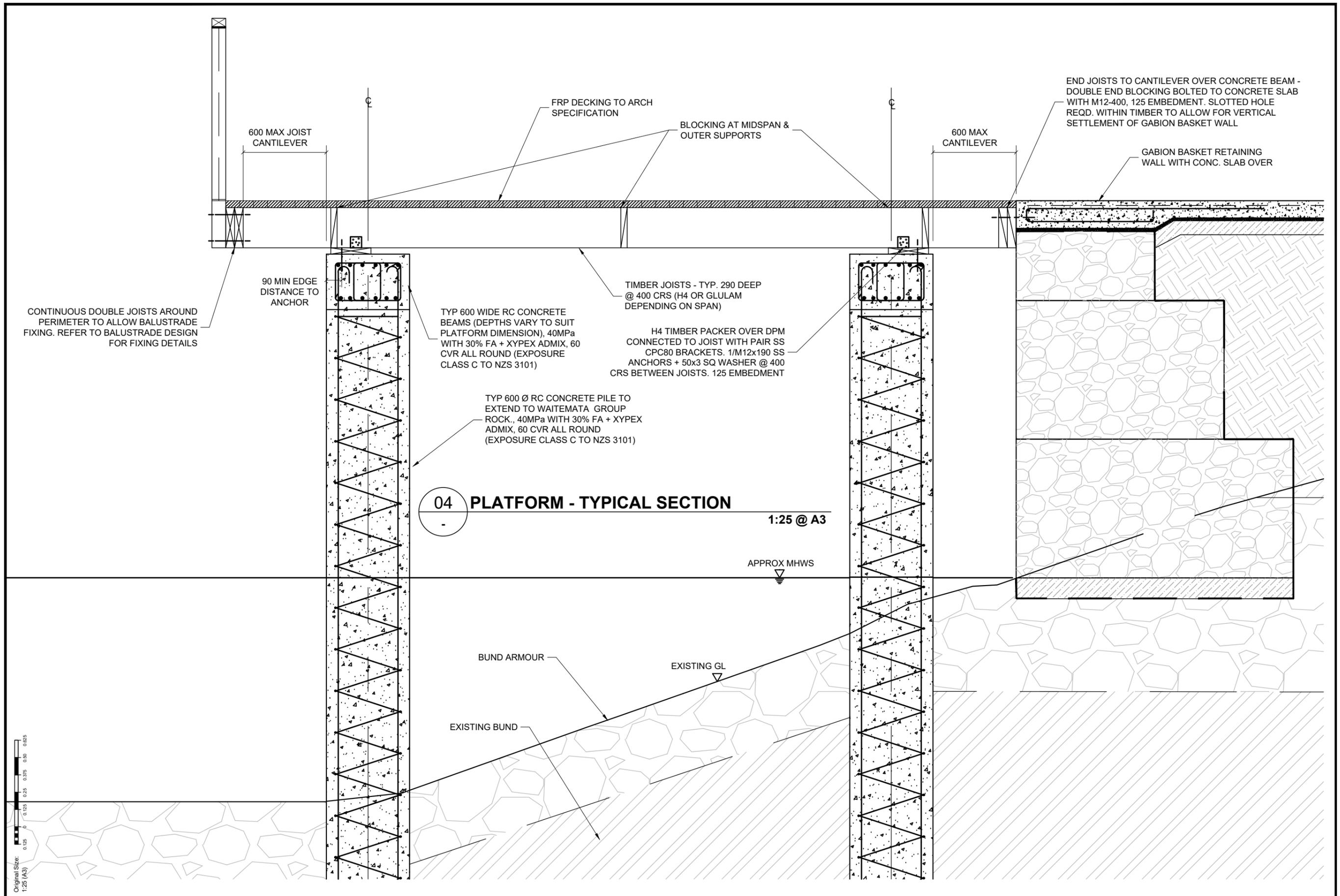
No.	Revision Details	Date
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(Current Revision Date : 20/05/2021)		

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Date	20/05/2021
Scale	1:13 (A1) 1:25 (A3)
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Drawing Title: GABION BASKET RETAINING WALL		
File No. 12582-01-220	Rev. B	Dwg. No. 222



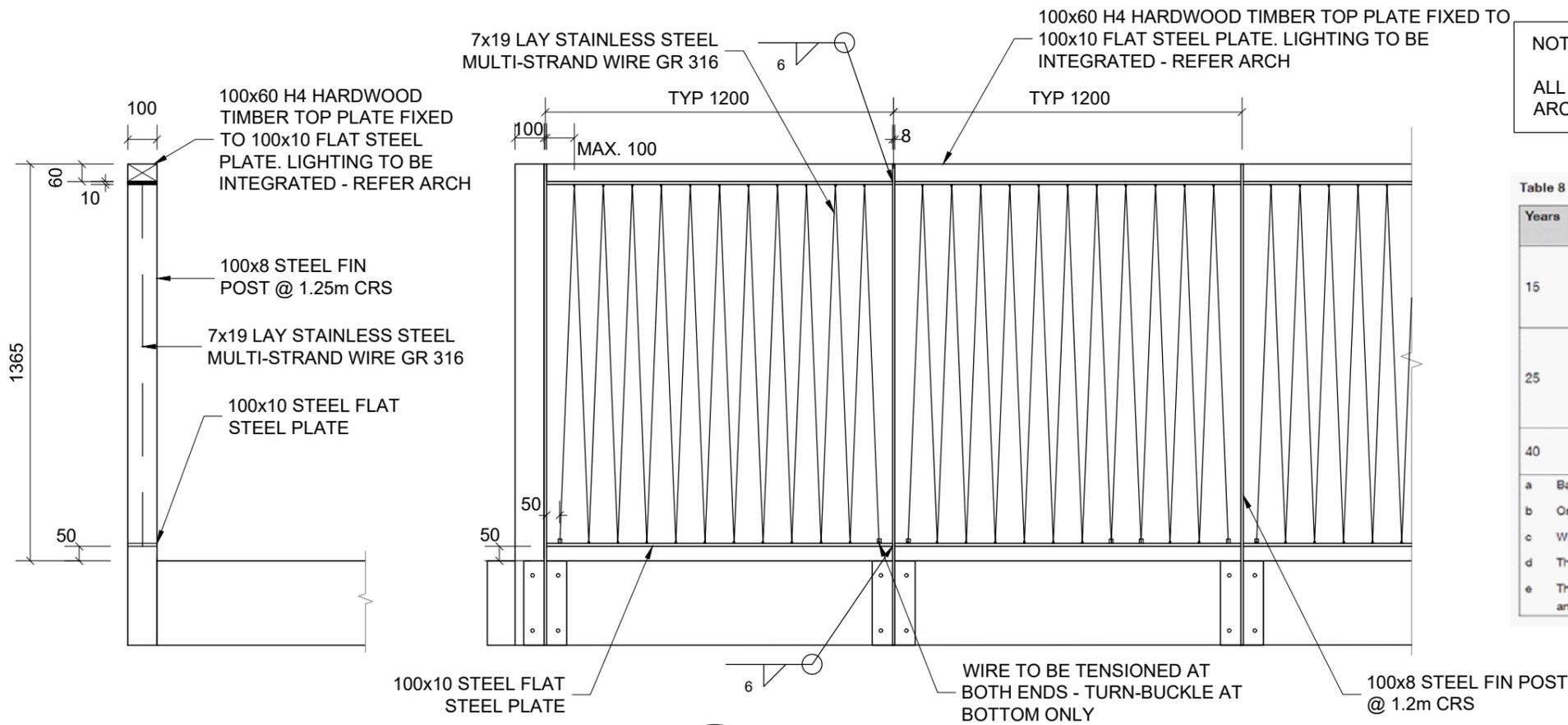
No.	Revision Details	(Current Revision Date : 20/05/2021)	Date
B	RC S92 ISSUE		20/05/21
A	ISSUED FOR RESOURCE CONSENT		19/02/21

Design	AW
Survey	
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Drawing Title: GANGWAY PLATFORM TYPICAL DETAILS	
File No. 12582-01-220	Rev. B
Dwg. No. 223	



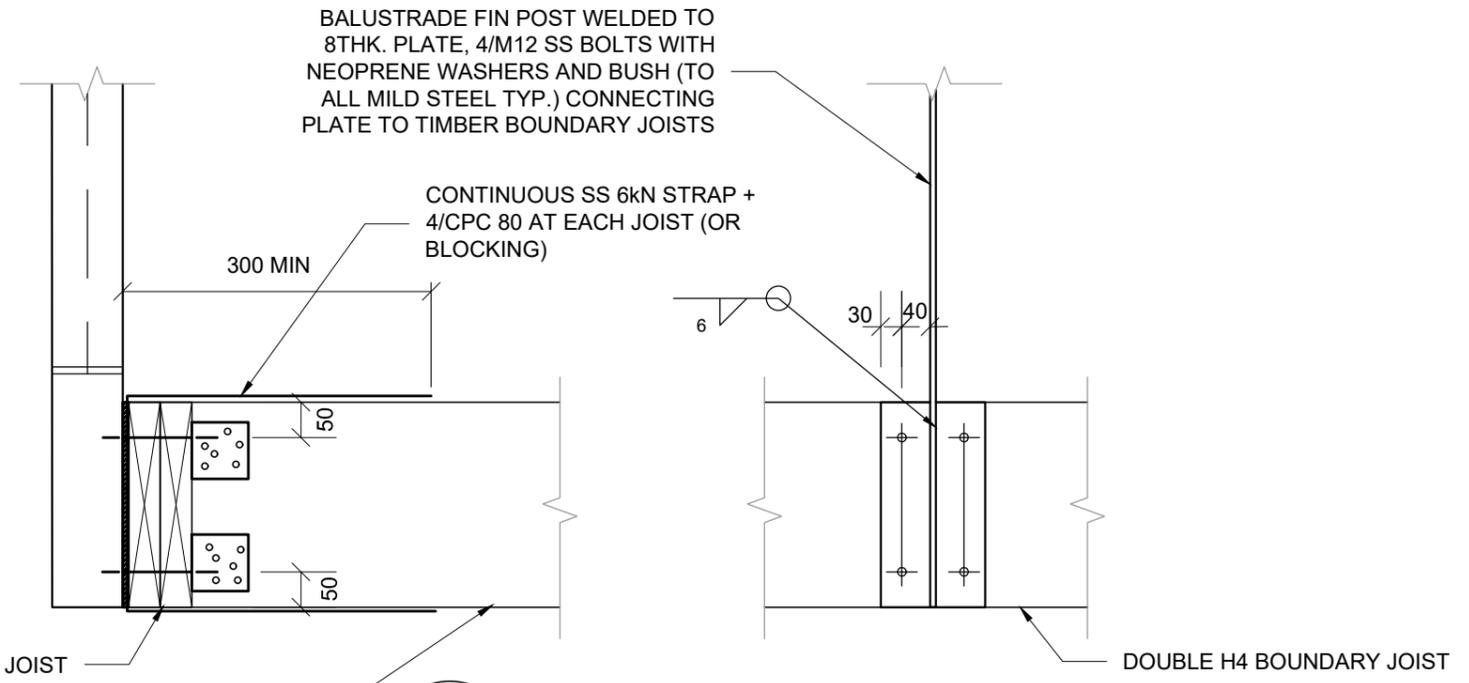
NOTE:
ALL STEEL TO BE COATED AS PER TABLE 8 SNZTS3404:18 U.N.O - REFER ARCH FOR COLOUR COATING REQUIREMENTS

Table 8 - Coatings for surface-specific corrosivity category C5-M

Years	System designation ^a	Surface preparation	Number of coats	Typical colour	Initial gloss
15	EHB6	Sa 2½	3	Limited range	Flat to semi-gloss
	PUR5			Wide range	Semi-gloss to full gloss
	TSZ150S ^b	See AS/NZS 4680	1	Grey ^c	Flat
HDG900					
25	TSZ200S ^b	Sa 2½	2	Limited	Gloss
	TEC1 ^d				
	HDG600-5D or 5I	Sweep abrasive blast to AS/NZS 4680 or etch prime	3	Wide range	Semi-gloss to full gloss
40	TSZ300S ^{b,e}	Sa 2½	2	Grey ^c	Flat
	TSA225S ^e	Sa 3			

a Based on AS/NZS 2312:2002.
b Only zinc/aluminium alloy (85% zinc, 15% aluminium) to be used in C5-M environment.
c Wide range when coloured sealer/topcoat is used.
d Thermoplastic ethylene copolymers with DFT > 300 µm.
e Thermal aluminium spray is mostly used for structures within 100 m from the sea due to the high corrosivity category and abrasiveness of the environment, while thermal zinc spray is used for structures in the < C5 categories.

PLATFORM - BALUSTRADE
1:20 @ A3



BASE CONNECTION
1:10 @ A3

Original Size:
1:10
1:20 (A3)

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Drawing Title:
PLATFORM BALUSTRADE DETAILS

File No. 12582-01-220	Rev. B	Dwg. No. 224
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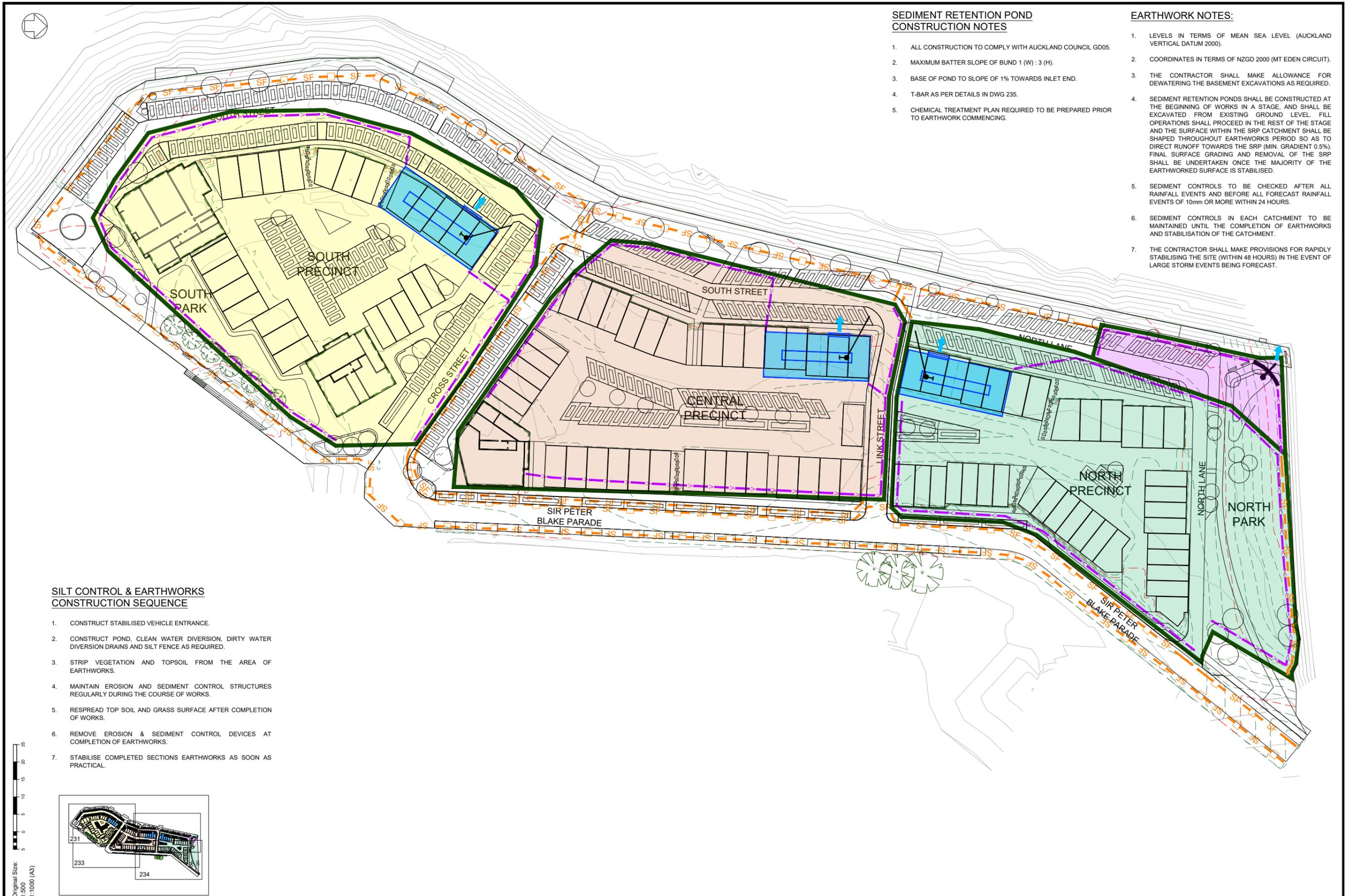


SEDIMENT RETENTION POND CONSTRUCTION NOTES

1. ALL CONSTRUCTION TO COMPLY WITH AUCKLAND COUNCIL GD05.
2. MAXIMUM BATTER SLOPE OF BUND 1 (W) : 3 (H).
3. BASE OF POND TO SLOPE OF 1% TOWARDS INLET END.
4. T-BAR AS PER DETAILS IN DWG 235.
5. CHEMICAL TREATMENT PLAN REQUIRED TO BE PREPARED PRIOR TO EARTHWORK COMMENCING.

EARTHWORK NOTES:

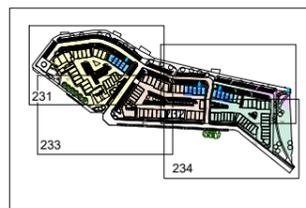
1. LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000).
2. COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT).
3. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEWATERING THE BASEMENT EXCAVATIONS AS REQUIRED.
4. SEDIMENT RETENTION PONDS SHALL BE CONSTRUCTED AT THE BEGINNING OF WORKS IN A STAGE, AND SHALL BE EXCAVATED FROM EXISTING GROUND LEVEL. FILL OPERATIONS SHALL PROCEED IN THE REST OF THE STAGE AND THE SURFACE WITHIN THE SRP CATCHMENT SHALL BE SHAPED THROUGHOUT EARTHWORKS PERIOD SO AS TO DIRECT RUNOFF TOWARDS THE SRP (MIN. GRADIENT 0.5%). FINAL SURFACE GRADING AND REMOVAL OF THE SRP SHALL BE UNDERTAKEN ONCE THE MAJORITY OF THE EARTHWORKED SURFACE IS STABILISED.
5. SEDIMENT CONTROLS TO BE CHECKED AFTER ALL RAINFALL EVENTS AND BEFORE ALL FORECAST RAINFALL EVENTS OF 10mm OR MORE WITHIN 24 HOURS.
6. SEDIMENT CONTROLS IN EACH CATCHMENT TO BE MAINTAINED UNTIL THE COMPLETION OF EARTHWORKS AND STABILISATION OF THE CATCHMENT.
7. THE CONTRACTOR SHALL MAKE PROVISIONS FOR RAPIDLY STABILISING THE SITE (WITHIN 48 HOURS) IN THE EVENT OF LARGE STORM EVENTS BEING FORECAST.



SILT CONTROL & EARTHWORKS CONSTRUCTION SEQUENCE

1. CONSTRUCT STABILISED VEHICLE ENTRANCE.
2. CONSTRUCT POND, CLEAN WATER DIVERSION, DIRTY WATER DIVERSION DRAINS AND SILT FENCE AS REQUIRED.
3. STRIP VEGETATION AND TOPSOIL FROM THE AREA OF EARTHWORKS.
4. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES REGULARLY DURING THE COURSE OF WORKS.
5. RESPREAD TOP SOIL AND GRASS SURFACE AFTER COMPLETION OF WORKS.
6. REMOVE EROSION & SEDIMENT CONTROL DEVICES AT COMPLETION OF EARTHWORKS.
7. STABILISE COMPLETED SECTIONS EARTHWORKS AS SOON AS PRACTICAL.

Original Size:
1:500
1:1000 (A3)



LEGEND:

- EXISTING CONTOUR
- - - PROPOSED MAJOR CONTOUR
- - - PROPOSED MINOR CONTOUR
- > CLEANWATER DIVERSION
- CATCHMENT BOUNDARY
- SF SILT FENCE
- RUNOFF DIVERSION
- DECANTING EARTH BUND

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Date 23/04/2021
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Drawing Title:
EROSION & SEDIMENT OVERVIEW

File No.
12582-01-230

Rev. **B** Dwg. No. **230**

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SEDIMENT RETENTION POND CONSTRUCTION NOTES

1. ALL CONSTRUCTION TO COMPLY WITH AUCKLAND COUNCIL GD05.
2. MAXIMUM BATTER SLOPE OF BUND 1 (W) : 3 (H).
3. BASE OF POND TO SLOPE OF 1% TOWARDS INLET END.
4. T-BAR AS PER DETAILS IN DWG 235.
5. CHEMICAL TREATMENT PLAN REQUIRED TO BE PREPARED PRIOR TO EARTHWORK COMMENCING.

SEDIMENT RETENTION POND #1

CATCHMENT AREA:	8 300m ²
POND VOLUMES:	168m ³
POND EMBANKMENT DIMENSIONS:	32.2m x 13.6m (TYP.)
POND DEPTH:	1.0m
POND BASE DIMENSIONS:	21.9m x 3.3m (TYP.)
POND BASE LEVEL:	1.8m
TOP EMBANKMENT / BENCH LEVEL:	3.5m
SPILLWAY LEVEL:	3.3m
SPILLWAY WIDTH:	6.0m
LEVEL SPREADER LEVEL:	3.3m
EMERGENCY SPILLWAY LEVEL:	3.1m
DECANT LEVEL:	2.25m

EARTHWORK NOTES:

1. LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000).
2. COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT).
3. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEWATERING THE BASEMENT EXCAVATIONS AS REQUIRED.
4. SEDIMENT RETENTION PONDS SHALL BE CONSTRUCTED AT THE BEGINNING OF WORKS IN A STAGE, AND SHALL BE EXCAVATED FROM EXISTING GROUND LEVEL. FILL OPERATIONS SHALL PROCEED IN THE REST OF THE STAGE AND THE SURFACE WITHIN THE SRP CATCHMENT SHALL BE SHAPED THROUGHOUT EARTHWORKS PERIOD SO AS TO DIRECT RUNOFF TOWARDS THE SRP (MIN. GRADIENT 0.5%). FINAL SURFACE GRADING AND REMOVAL OF THE SRP SHALL BE UNDERTAKEN ONCE THE MAJORITY OF THE EARTHWORKED SURFACE IS STABILISED.



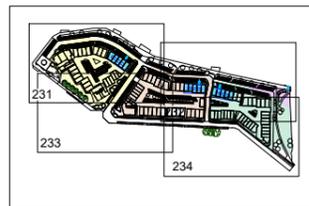
SRP OUTLET TO BE CONNECTED TO NEW STORMWATER SYSTEM. ALTERNATIVELY SRP CAN BE PUMPED TO EXISTING STORMWATER SYSTEM AS REQUIRED TO SUIT CONSTRUCTION PROGRAMME (TYP.)

BASEMENT EXCAVATION SHALL BE DEWATERED AND PUMPED TO SEDIMENT RETENTION POND. BASEMENT CONSTRUCTION METHODOLOGY TO BE DETERMINED IN CONJUNCTION WITH STRUCTURAL DESIGN OF BUILDING AT BUILDING CONSENT STAGE (TYP.)

SILT CONTROL & EARTHWORKS CONSTRUCTION SEQUENCE

1. CONSTRUCT STABILISED VEHICLE ENTRANCE.
2. CONSTRUCT POND, CLEAN WATER DIVERSION, DIRTY WATER DIVERSION DRAINS AND SILT FENCE AS REQUIRED.
3. STRIP VEGETATION AND TOPSOIL FROM THE AREA OF EARTHWORKS.
4. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES REGULARLY DURING THE COURSE OF WORKS.
5. RESPREAD TOP SOIL AND GRASS SURFACE AFTER COMPLETION OF WORKS.
6. REMOVE EROSION & SEDIMENT CONTROL DEVICES AT COMPLETION OF EARTHWORKS.
7. STABILISE COMPLETED SECTIONS EARTHWORKS AS SOON AS PRACTICAL.

Original Size:
1:250
1:500 (A3)



LEGEND:

- EXISTING CONTOUR
- - - PROPOSED MAJOR CONTOUR
- - - PROPOSED MINOR CONTOUR
- CATCHMENT BOUNDARY
- - - SF SILT FENCE
- - - RUNOFF DIVERSION
- DECANTING EARTH BUND
- CLEANWATER DIVERSION

Design AW
Survey
Drawn MK
Checked ML
Date 23/04/2021
Scale 1:250 (A1) 1:500 (A3)
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AUCKLAND

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CONSULTING CIVIL & STRUCTURAL ENGINEERS
Takapuna, Pukekohe, Havelock, Queenstown, Christchurch, Orewa

Drawing Title: EROSION & SEDIMENT 1 OF 4	
File No. 12582-01-230	Rev. B
Dwg. No. 231	

B	RC S92 ISSUE	20/05/21
A	ISSUED FOR RESOURCE CONSENT	19/02/21
No.	Revision Details (Current Revision Date : 23/04/2021)	Date



SEDIMENT RETENTION POND CONSTRUCTION NOTES

1. ALL CONSTRUCTION TO COMPLY WITH AUCKLAND COUNCIL GD05.
2. MAXIMUM BATTER SLOPE OF BUND 1 (W) : 3 (H).
3. BASE OF POND TO SLOPE OF 1% TOWARDS INLET END.
4. T-BAR AS PER DETAILS IN DWG 235.
5. CHEMICAL TREATMENT PLAN REQUIRED TO BE PREPARED PRIOR TO EARTHWORK COMMENCING.

EARTHWORK NOTES:

1. LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000).
2. COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT).
3. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEWATERING THE BASEMENT EXCAVATIONS AS REQUIRED.
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SILT CONTROL & EARTHWORKS CONSTRUCTION SEQUENCE

1. CONSTRUCT STABILISED VEHICLE ENTRANCE.
2. CONSTRUCT POND, CLEAN WATER DIVERSION, DIRTY WATER DIVERSION DRAINS AND SILT FENCE AS REQUIRED.
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5. RESPREAD TOP SOIL AND GRASS SURFACE AFTER COMPLETION OF WORKS.
6. REMOVE EROSION & SEDIMENT CONTROL DEVICES AT COMPLETION OF EARTHWORKS.
7. STABILISE COMPLETED SECTIONS EARTHWORKS AS SOON AS PRACTICAL.

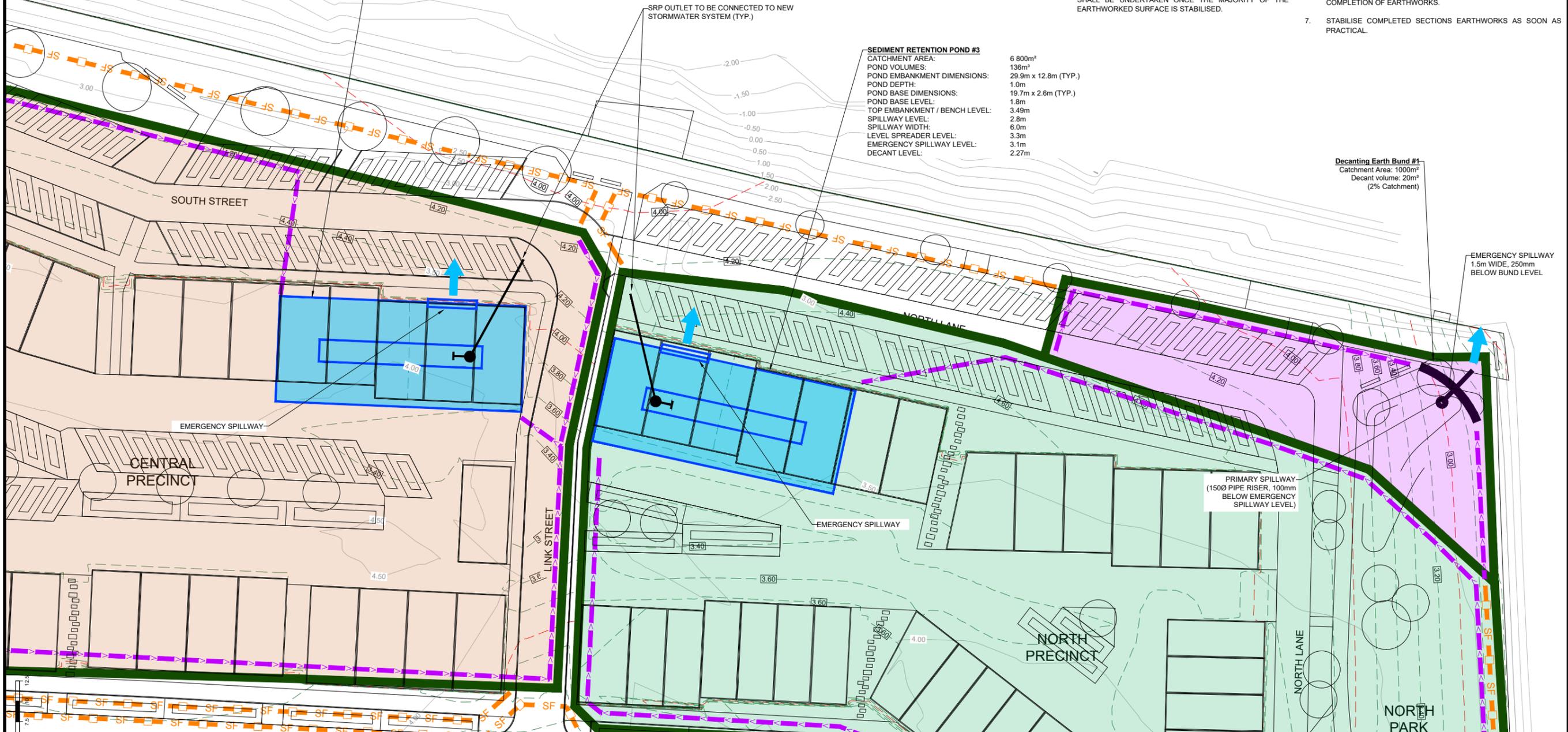
SEDIMENT RETENTION POND #2

CATCHMENT AREA: 7 000m²
 POND VOLUMES: 140m³
 POND EMBANKMENT DIMENSIONS: 30.2m x 12.9m (TYP.)
 POND DEPTH: 1.0m
 POND BASE DIMENSIONS: 20.0m x 2.7m (TYP.)
 POND BASE LEVEL: 2.0m
 TOP EMBANKMENT / BENCH LEVEL: 3.69m
 SPILLWAY LEVEL: 3.0m
 SPILLWAY WIDTH: 6.0m
 LEVEL SPREADER LEVEL: 3.5m
 EMERGENCY SPILLWAY LEVEL: 3.3m
 DECANT LEVEL: 2.47m

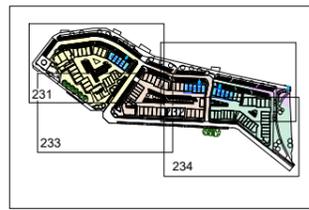
SEDIMENT RETENTION POND #3

CATCHMENT AREA: 6 800m²
 POND VOLUMES: 136m³
 POND EMBANKMENT DIMENSIONS: 29.9m x 12.8m (TYP.)
 POND DEPTH: 1.0m
 POND BASE DIMENSIONS: 19.7m x 2.6m (TYP.)
 POND BASE LEVEL: 1.8m
 TOP EMBANKMENT / BENCH LEVEL: 3.49m
 SPILLWAY LEVEL: 2.8m
 SPILLWAY WIDTH: 6.0m
 LEVEL SPREADER LEVEL: 3.3m
 EMERGENCY SPILLWAY LEVEL: 3.1m
 DECANT LEVEL: 2.27m

Decanting Earth Bund #1
 Catchment Area: 1000m²
 Decant volume: 20m³
 (2% Catchment)



Original Size: 1:250
 1:500 (A3)



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LEGEND:

- EXISTING CONTOUR
- - - PROPOSED MAJOR CONTOUR
- - - PROPOSED MINOR CONTOUR
- CLEANWATER DIVERSION
- CATCHMENT BOUNDARY
- SF SILT FENCE
- RUNOFF DIVERSION
- DECANTING EARTH BUND

Design AW
 Survey
 Drawn MK
 Checked ML
 Date 23/04/2021
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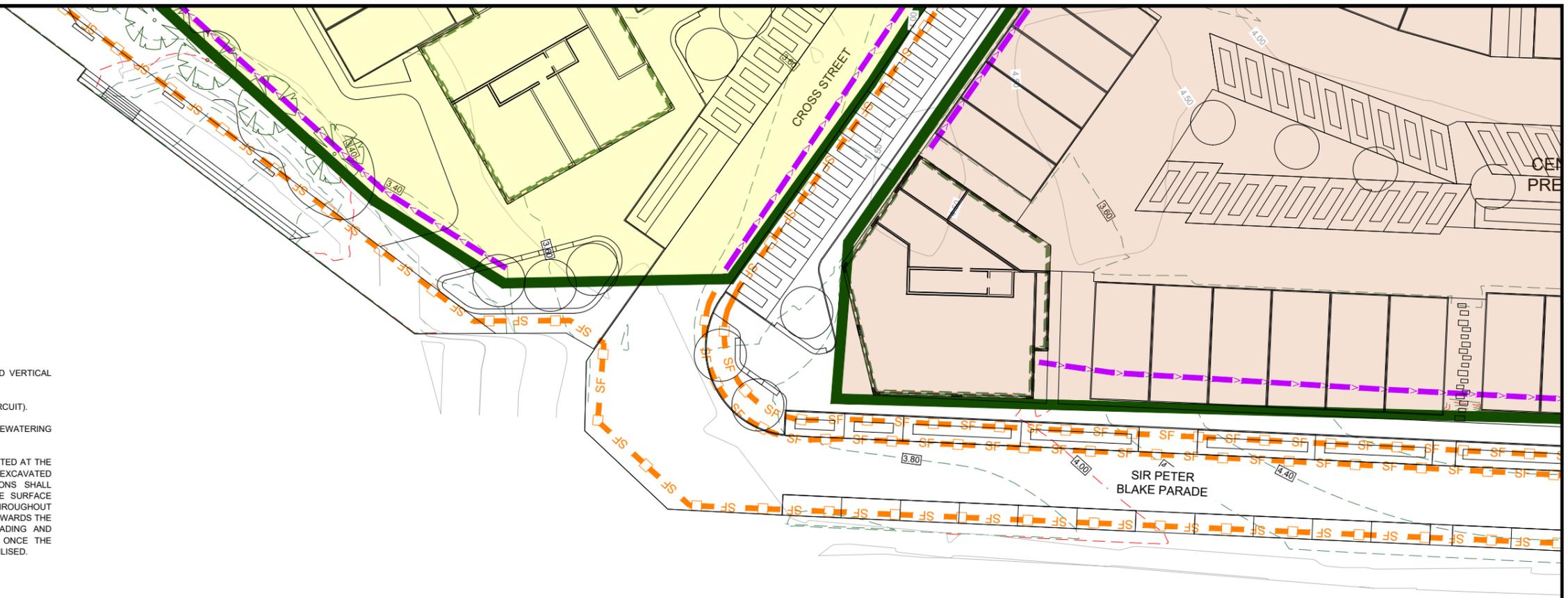
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21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND



Drawing Title:
EROSION & SEDIMENT 2 OF 4

File No.
12582-01-230

Rev. **B** Dwg. No. **232**



EARTHWORK NOTES:

1. LEVELS IN TERMS OF MEAN SEA LEVEL (AUCKLAND VERTICAL DATUM 2000).
2. COORDINATES IN TERMS OF NZGD 2000 (MT EDEN CIRCUIT).
3. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEWATERING THE BASEMENT EXCAVATIONS AS REQUIRED.
4. SEDIMENT RETENTION PONDS SHALL BE CONSTRUCTED AT THE BEGINNING OF WORKS IN A STAGE, AND SHALL BE EXCAVATED FROM EXISTING GROUND LEVEL. FILL OPERATIONS SHALL PROCEED IN THE REST OF THE STAGE AND THE SURFACE WITHIN THE SRP CATCHMENT SHALL BE SHAPED THROUGHOUT EARTHWORKS PERIOD SO AS TO DIRECT RUNOFF TOWARDS THE SRP (MIN. GRADIENT 0.5%). FINAL SURFACE GRADING AND REMOVAL OF THE SRP SHALL BE UNDERTAKEN ONCE THE MAJORITY OF THE EARTHWORKED SURFACE IS STABILISED.

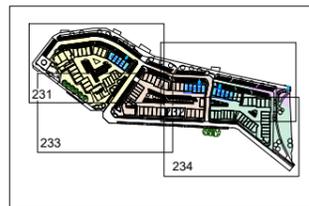
SILT CONTROL & EARTHWORKS CONSTRUCTION SEQUENCE

1. CONSTRUCT STABILISED VEHICLE ENTRANCE.
2. CONSTRUCT POND, CLEAN WATER DIVERSION, DIRTY WATER DIVERSION DRAINS AND SILT FENCE AS REQUIRED.
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7. STABILISE COMPLETED SECTIONS EARTHWORKS AS SOON AS PRACTICAL.

SEDIMENT RETENTION POND CONSTRUCTION NOTES

1. ALL CONSTRUCTION TO COMPLY WITH AUCKLAND COUNCIL GD05.
2. MAXIMUM BATTER SLOPE OF BUND 1 (W) : 3 (H).
3. BASE OF POND TO SLOPE OF 1% TOWARDS INLET END.
4. T-BAR AS PER DETAILS IN DWG 235.
5. CHEMICAL TREATMENT PLAN REQUIRED TO BE PREPARED PRIOR TO EARTHWORK COMMENCING.

Original Size: 1:250
1:500 (A3)



LEGEND:

- EXISTING CONTOUR
- - - PROPOSED MAJOR CONTOUR
- - - PROPOSED MINOR CONTOUR
- CLEANWATER DIVERSION
- CATCHMENT BOUNDARY
- SF SILT FENCE
- RUNOFF DIVERSION
- DECANTING EARTH BUND

Design AW
 Survey
 Drawn MK
 Checked ML
 Date 23/04/2021
 Scale 1:250 (A1) 1:500 (A3)
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21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND

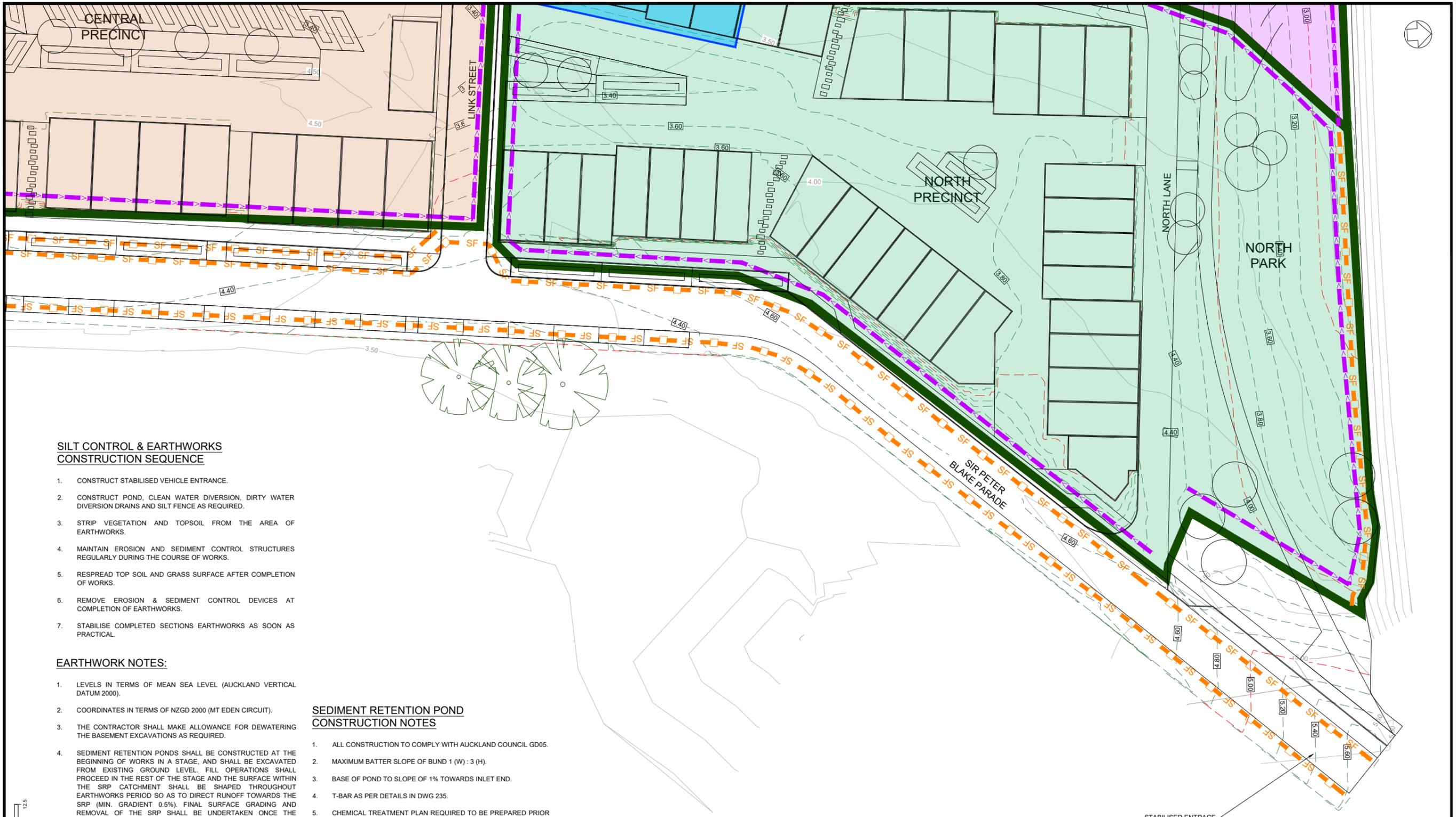


Drawing Title:
EROSION & SEDIMENT 3 OF 4

File No.
12582-01-230

Rev. **B** Dwg. No. **233**

B	RC S92 ISSUE	20/05/21
A	ISSUED FOR RESOURCE CONSENT	19/02/21
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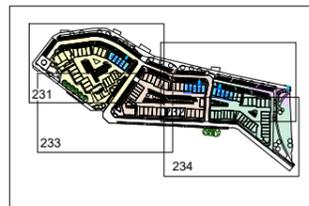
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SEDIMENT RETENTION POND CONSTRUCTION NOTES

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2. MAXIMUM BATTER SLOPE OF BUND 1 (W) : 3 (H).
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5. CHEMICAL TREATMENT PLAN REQUIRED TO BE PREPARED PRIOR TO EARTHWORK COMMENCING.

Original Size:
1:250
1:500 (A3)



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- RUNOFF DIVERSION
- DECANTING EARTH BUND

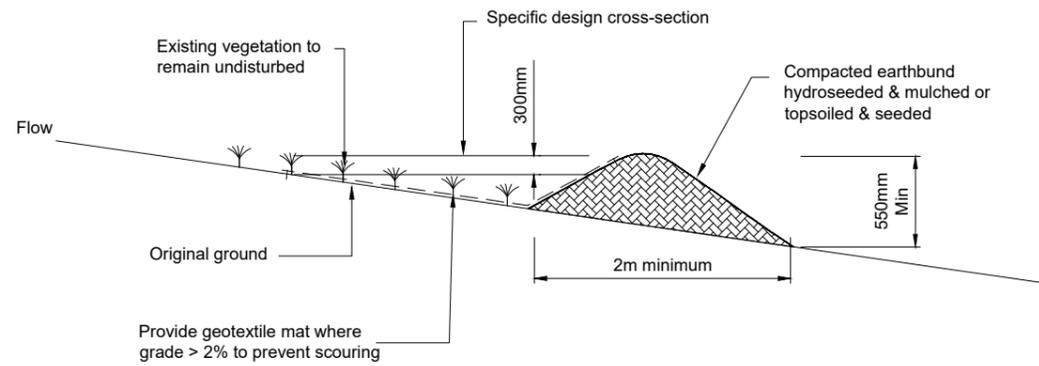
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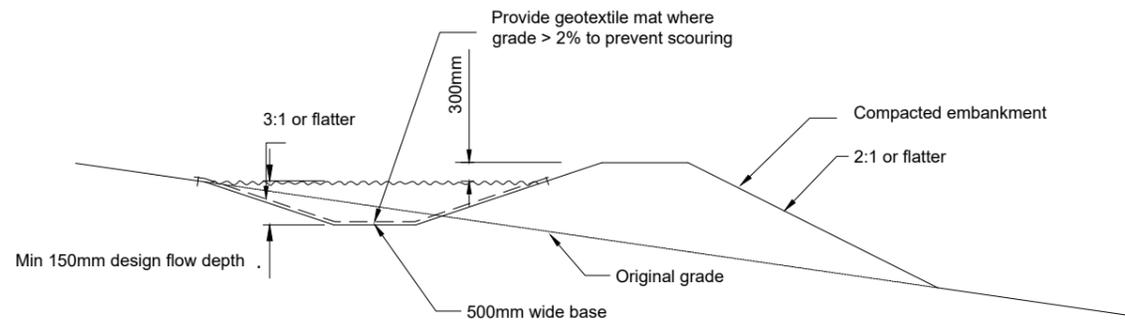
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BAYSWATER MARITIME PRECINCT
21 SIR PETER BLAKE PARADE
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AUCKLAND

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CONSULTING CIVIL & STRUCTURAL ENGINEERS
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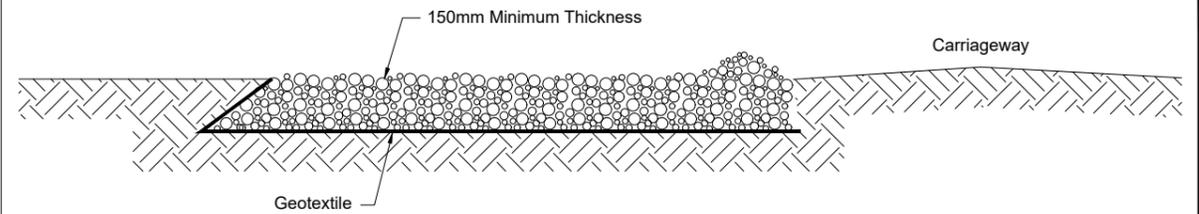
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File No. 12582-01-230	Rev. B
Dwg. No. 234	



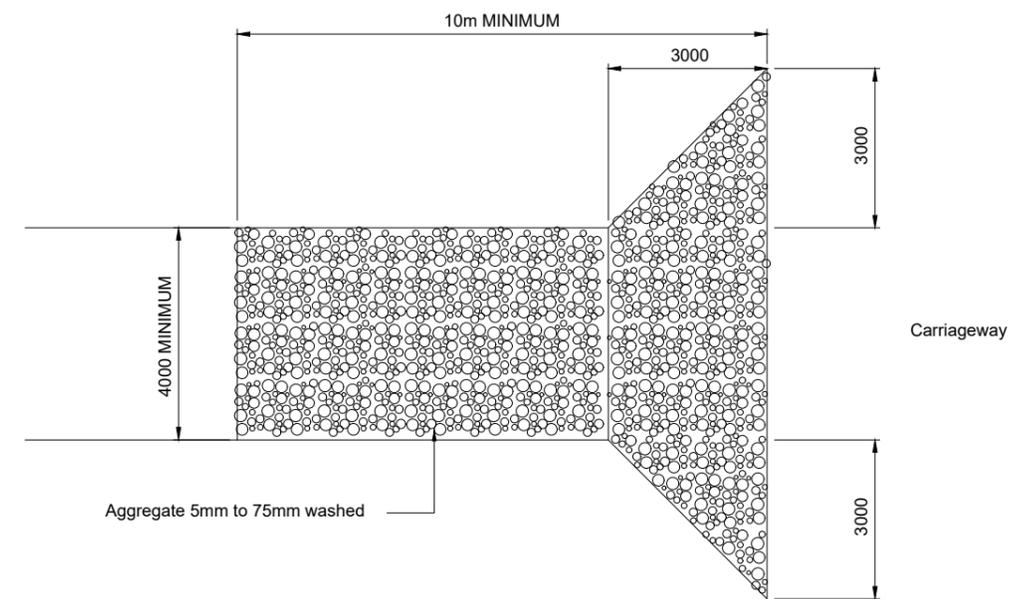
TOPSOIL BUND



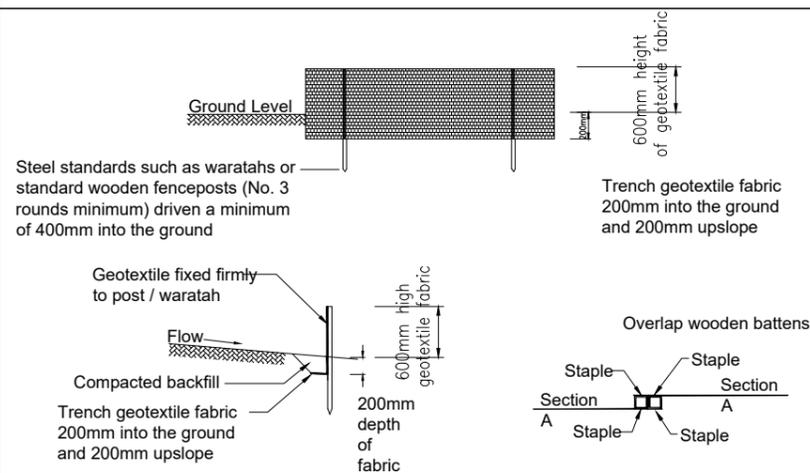
CLEANWATER DIVERSION CHANNEL



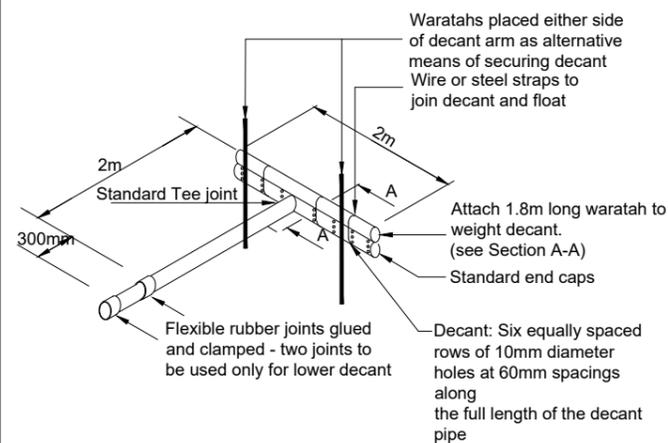
STABILISED ELEVATION



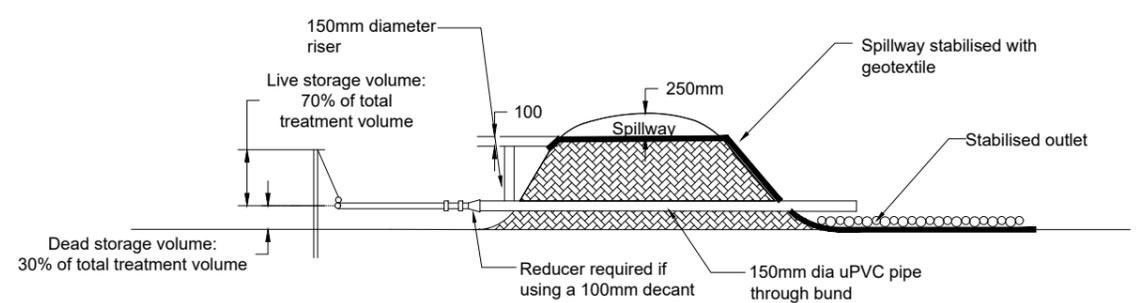
STABILISED ENTRANCE PATHWAY



SILT FENCE



FLOATING T-BAR DECANT



DECANTING EARTH BUND

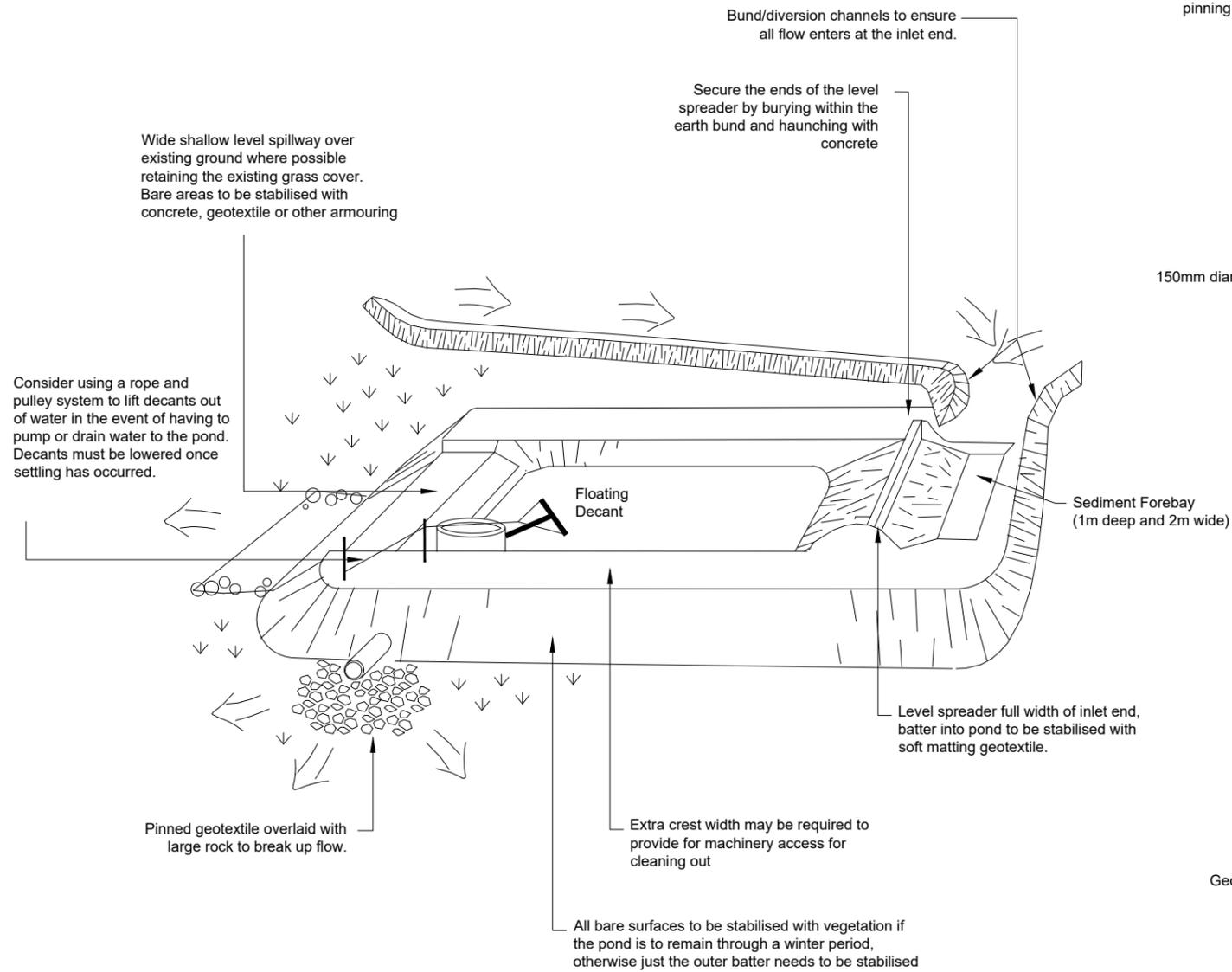
No.	Revision Details	(Current Revision Date : ###)	Date
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Scale	NTS
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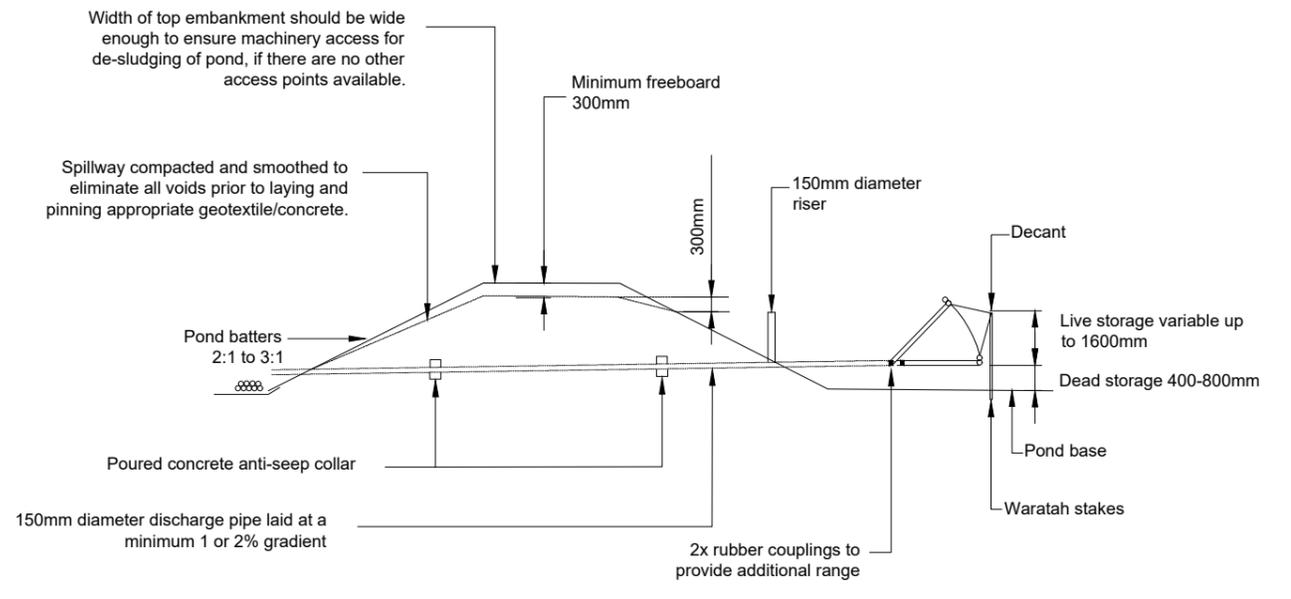
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21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND



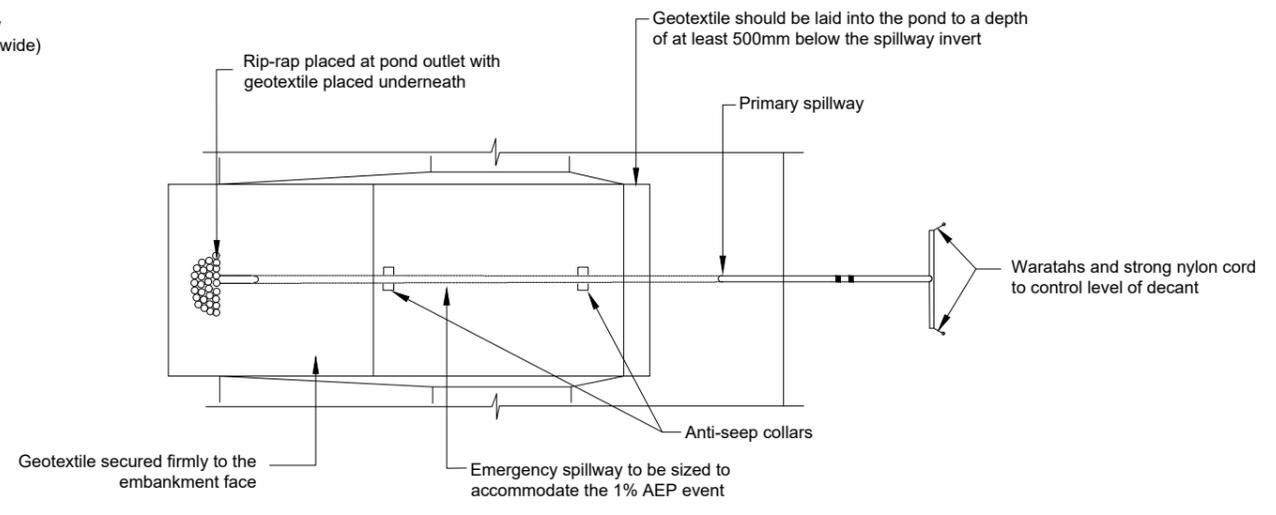
Drawing Title: EROSION & SEDIMENT STANDARD DETAILS 1 OF 2		
File No. 12582-01-235	Rev. B	Dwg. No. 235



SEDIMENT RETENTION POND



Cross Section



Plan

SEDIMENT RETENTION POND FOR < 1.5 HA CATCHMENT

No.	Revision Details	(Current Revision Date : ###)	Date
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Drawing Title: EROSION & SEDIMENT STANDARD DETAILS 2 OF 2		
File No. 12582-01-235	Rev. B	Dwg. No. 236

Original Size: