

APPENDIX 6

PROJECT PLANS

- Appendix 6A: Shipyard Design Plans (prepared by Beca Limited);
- Appendix 6B: Stage 1 Dredging Plans (prepared by Northport);
- Appendix 6C: Stage 2 Dredging Plan (prepared by Northport).

APPENDIX 6A

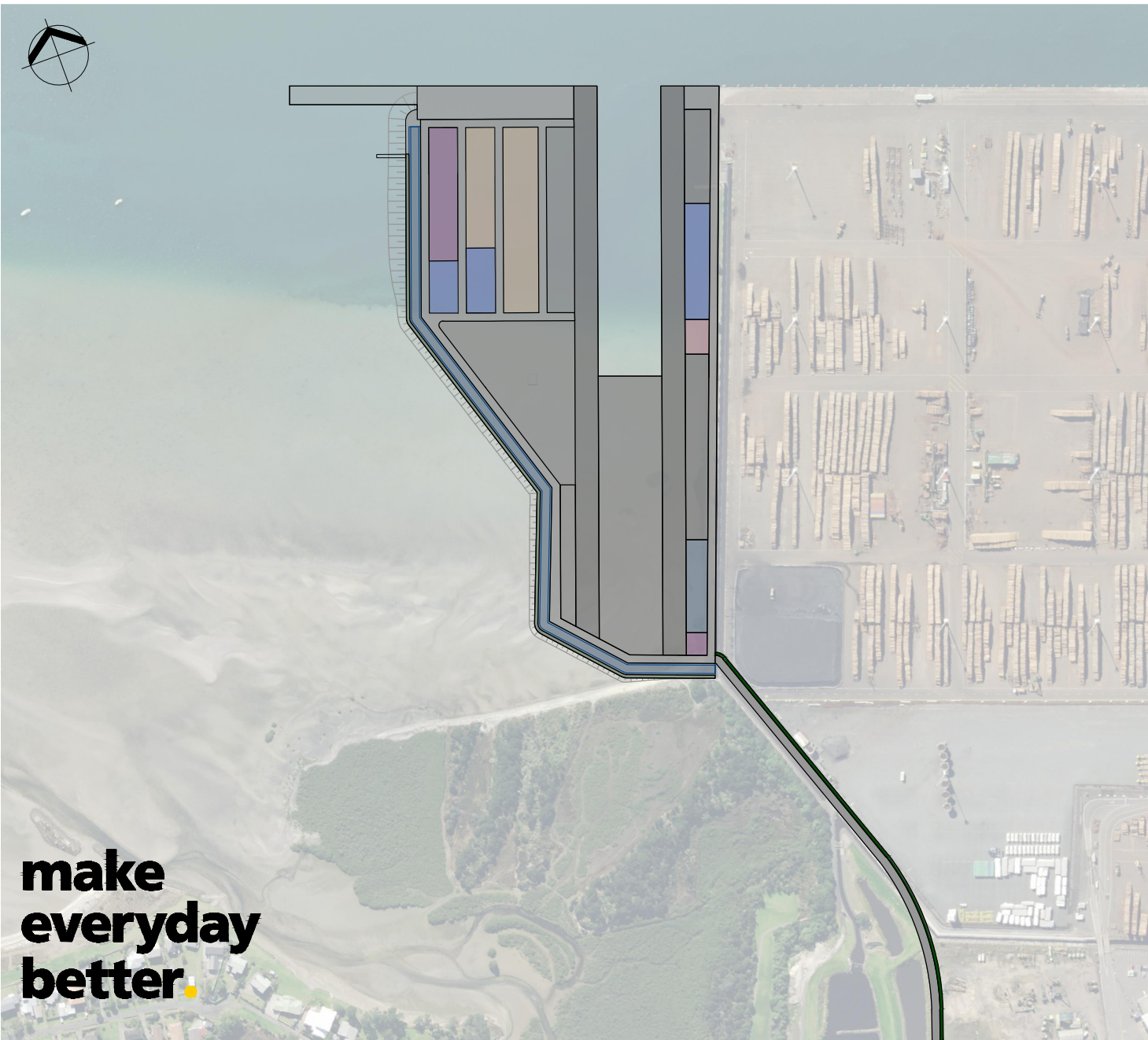
SHIPYARD DESIGN PLANS

MARINE OPERATIONS MAINTENANCE FACILITY

CIVIL ENGINEERING

Prepared for Ministry of Business, Innovation & Employment
Prepared by Beca Limited (Beca)

Project No.: 3237966
06 AUGUST 2026
RESOURCE CONSENT



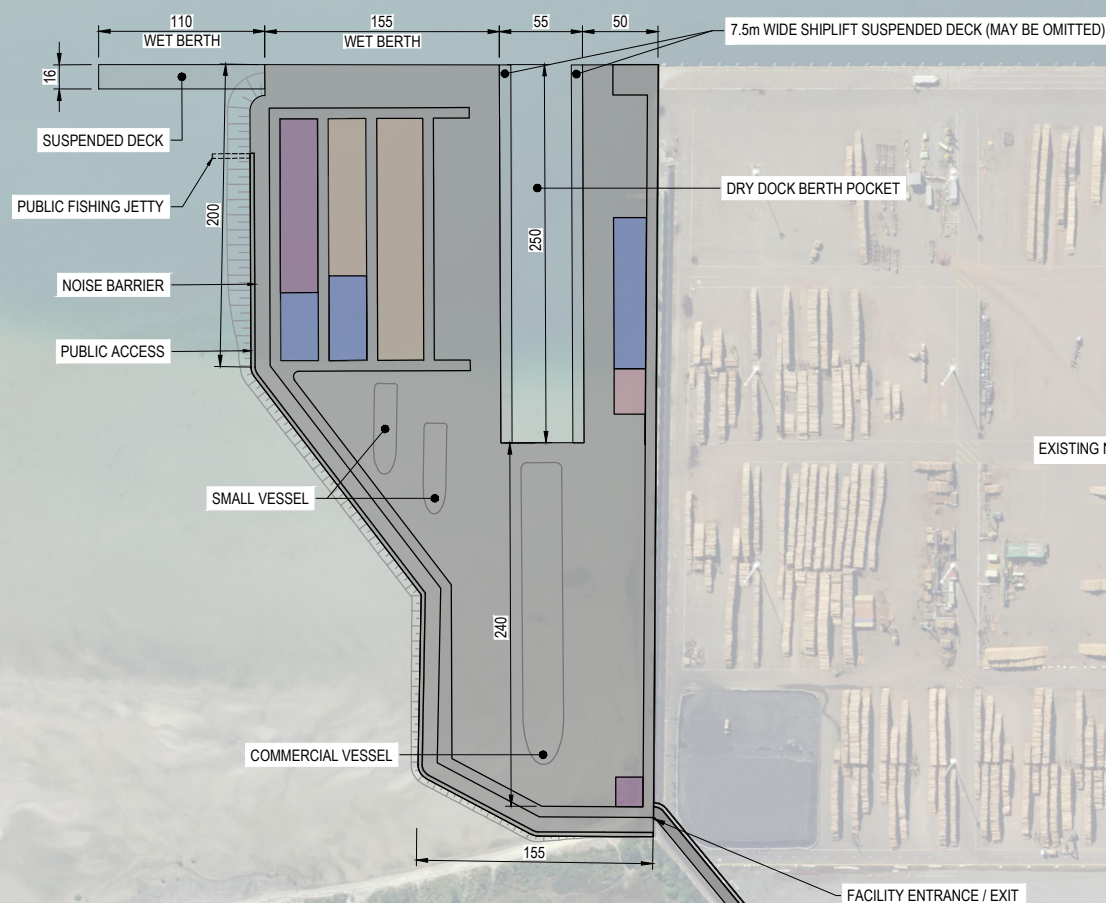
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DRAWING No.	DRAWING TITLE
3237966-CA-K0000	COVER PAGE AND DRAWING LIST
3237966-CA-K0001	GENERAL ARRANGEMENT
3237966-CA-K0002	GENERAL ARRANGEMENT SPATIAL PLAN
3237966-CA-K0004	HYDROGRAPHIC AND TOPOGRAPHIC SURVEY
3237966-CA-K2000	QUAYWALL GENERAL ARRANGEMENT
3237966-CA-K2001	QUAYWALL TYPICAL SECTIONS WALL TYPE 1
3237966-CA-K2002	QUAYWALL TYPICAL SECTIONS SUSPENDED DECK
3237966-CA-K3000	REVTMENT TYPICAL SECTIONS
3237966-CA-K4000	EXAMPLE DRY DOCK ARRANGEMENT
3237966-CA-K4002	EXAMPLE SHIPLIFT ARRANGEMENT
3237966-CA-K7000	EXTERNAL ROAD LAYOUT
3237966-CA-K8001	CONSTRUCTION STAGING PLANSTAGES 1 AND 2
3237966-CA-K8002	CONSTRUCTION STAGING PLANSTAGES 3 AND 4
3237966-CA-K8003	CONSTRUCTION STAGING PLANSTAGES 5 AND 6
3237966-CA-K8004	CONSTRUCTION STAGING PLANSTAGES 7 AND 8
3237966-CA-K8005	CONSTRUCTION STAGING PLANSTAGE 9



LEGEND:

- ADMINISTRATION SPACES
- STORAGE / WAREHOUSING
- WORKSHOPS
- UTILITIES

REFER TO DRAWING PACKAGE B.02 FOR TURNING BASIN



ORIGINAL DRAWING
IN COLOUR
RESOURCE CONSENT
NOT FOR CONSTRUCTION

E	FOR RESOURCE CONSENT	WP	RH	BM	06.08.26
D	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
C	FOR INFORMATION	FP	RH	BM	08.06.26
B	FOR INFORMATION	FP	RH	AH	22.05.26
No.	Revision	By	Chk	Appd	Date

Original Scale (A1)	Design	RH/FP	30.04.26	Approved For Construction*
1:2500	Drawn	WP/FP	30.04.26	Date
Reduced Scale (A3)	Dwg Verifier			
1:5000	Dwg Check			
	* Refer to Revision 1 for Original Signature			



Project: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: GENERAL ARRANGEMENT

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K0001
Rev.	E

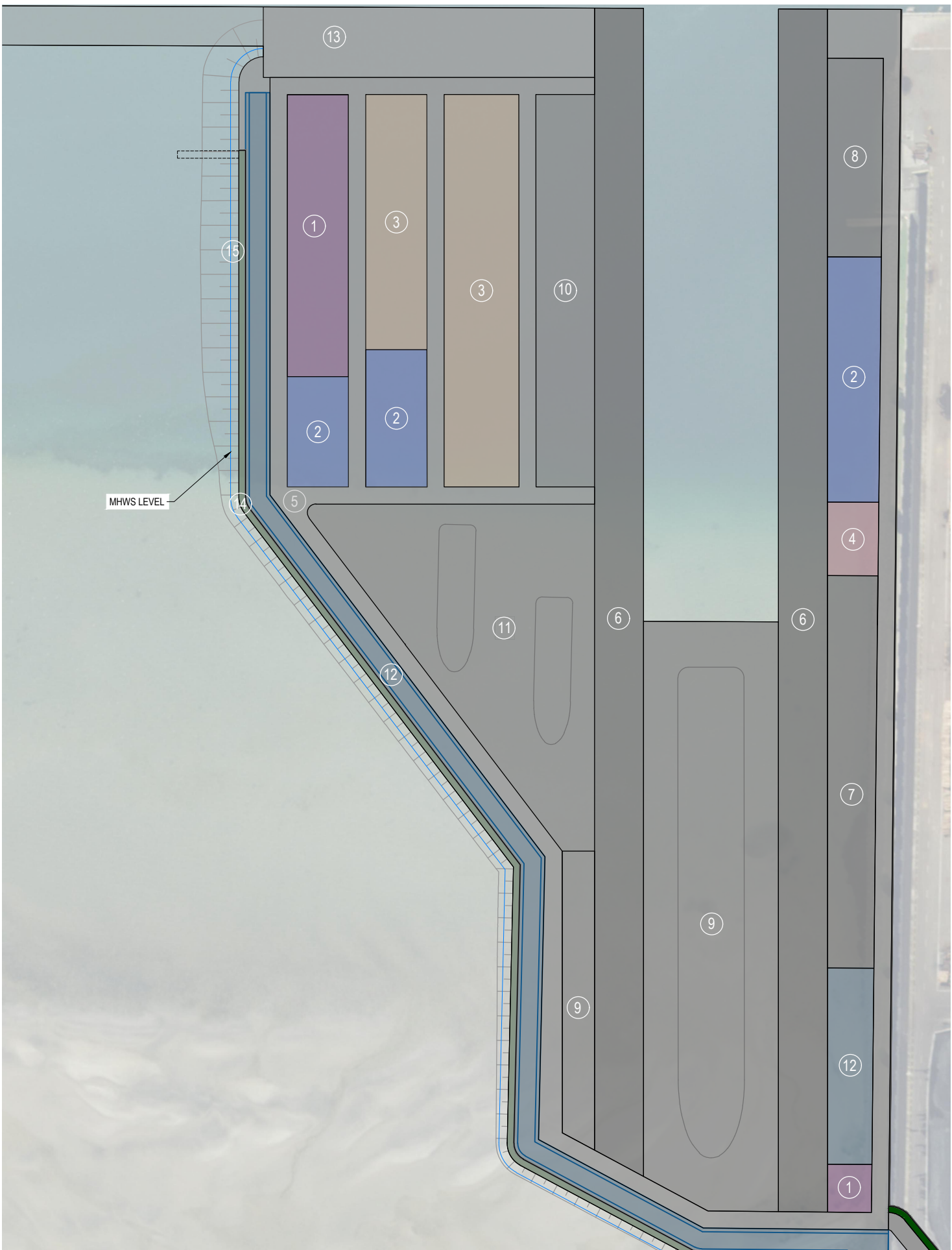


GENERAL ARRANGEMENT
SCALE 1:2500

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D	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	AS SHOWN	Drawn	WP/FP	30.04.26	Date
C	FOR INFORMATION	FP	RH	BM	08.06.26	Reduced Scale (A3)	Design	WP/FP		
B	FOR INFORMATION	FP	RH	AH	22.05.26	HALF SHOWN	Check			
No.	Revision	By	Chk	Appd	Date					



A
DETAIL
SCALE 1:1000



- LEGEND:
- 1. ADMINISTRATION SPACES
 - 2. WAREHOUSE AND STORAGE SPACES
 - 3. WORKSHOPS
 - 4. UTILITIES
 - 5. ROADS
 - 6. CRANE CORRIDORS
 - 7. TRANSFER BOGIE STORAGE
 - 8. DOCK BLOCK AND CRADLE STORAGE
 - 9. END SLIP VESSEL WORKING AND LAYDOWN HARDSTAND
 - 10. SIDE SLIP VESSEL TRANSFER AREA AND LAYDOWN HARDSTAND
 - 11. SMALL VESSEL WORKING AND LAYDOWN HARDSTAND
 - 12. WASTEWATER AND ENVIRONMENTAL CONTROLS
 - 13. WET BERTH WORKING AND LAYDOWN AREAS
 - 14. PUBLIC ACCESS

REF.	DESCRIPTION	AREA (m ²)
1	ADMINISTRATION SPACES	3,250
2	WAREHOUSE AND STORAGE SPACES	4,650
3	WORKSHOPS	7,500
4	UTILITIES	600
5	ROADS	13,500
6	CRANE CORRIDORS	19,250
7	TRANSFER BOGIE STORAGE	3,150
8	DOCK BLOCK AND CRADLE STORAGE	1,800
9	END SLIP VESSEL WORKING AND LAYDOWN HARDSTAND	14,600
10	SIDE SLIP VESSEL TRANSFER AREA AND LAYDOWN HARDSTAND	3,800
11	SMALL VESSEL WORKING AND LAYDOWN HARDSTAND	9,450
12	WASTEWATER AND ENVIRONMENTAL CONTROLS	7,950
13	WET BERTH WORKING AND LAYDOWN AREAS	5,600
14	PUBLIC ACCESS	1,700
15	REVTMENT ABOVE MHWS	2,050





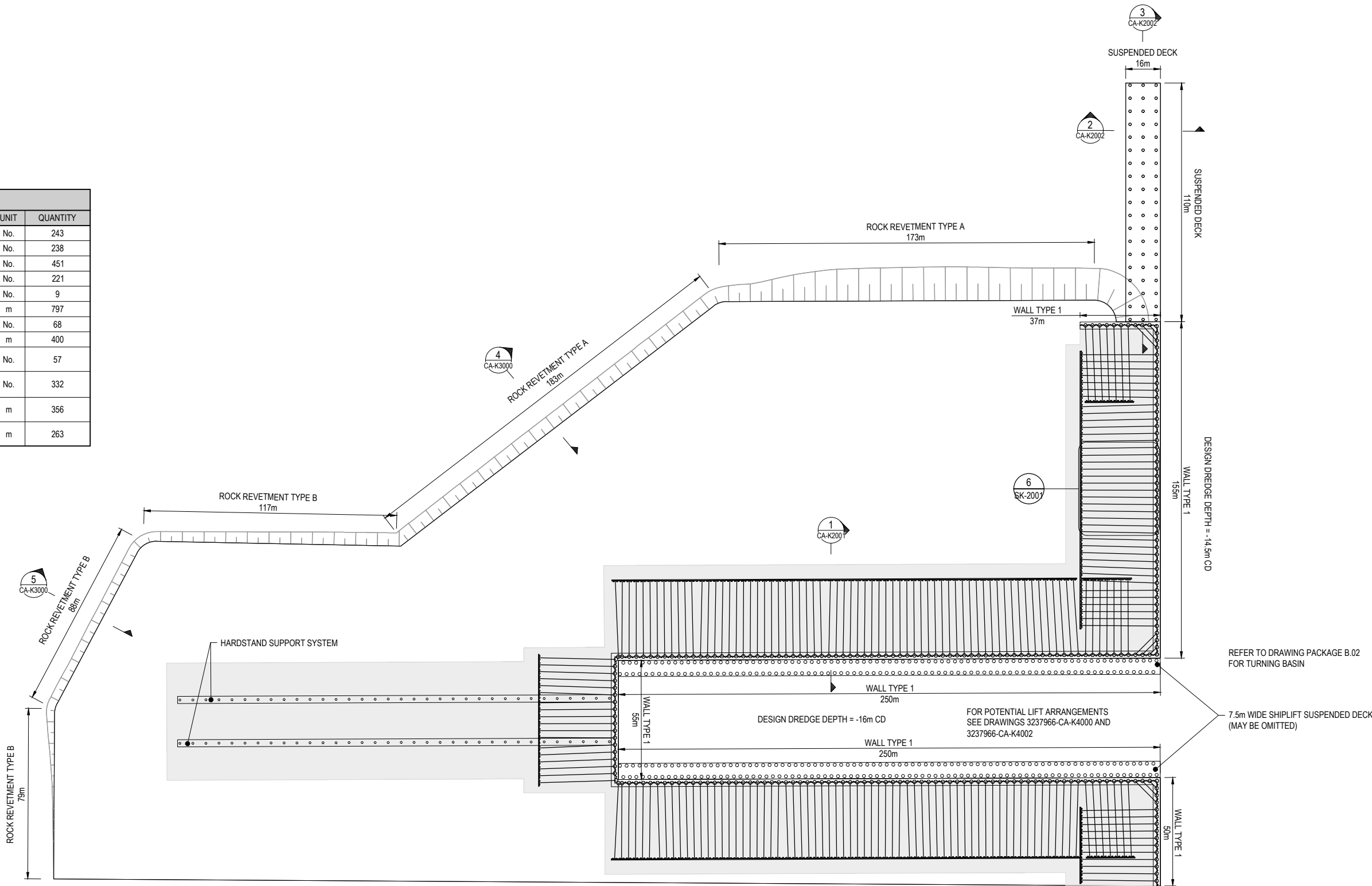
NOTES:

- SUSPENDED DECK PILE SPACING ASSUMED 6m c/c
- SHIPLIFT SUSPENDED DECK MAY BE OMITTED
- PILE NUMBERS ARE INDICATIVE AND SUBJECT TO CHANGE

LEGEND:

EXTENT OF GROUND IMPROVEMENT

MATERIAL TAKEOFF			
ITEM	MATERIAL	UNIT	QUANTITY
WALL TYPE 1	Ø1626 CHS PILES	No.	243
	AZ 25-800 SHEET PILES	No.	238
	AZ 25-800 SHEET PILE ANCHORS	No.	451
	M130 TIE ROD	No.	221
	CORNER TIE ROD	No.	9
HARDSTAND SUPPORT SYSTEM	WALER BEAM	m	797
	Ø1000 CFA PILES	No.	68
SUSPENDED DECK	WALER BEAM	m	400
	Ø1219 OPEN-ENDED PILES	No.	57
SHIPLIFT SUSPENDED DECK (MAY BE OMITTED)	Ø1400 OPEN-ENDED PILES	No.	332
REVTMENT	TYPE A	m	356
	TYPE B	m	263



REFER TO DRAWING PACKAGE B.02 FOR TURNING BASIN

7.5m WIDE SHIPLIFT SUSPENDED DECK (MAY BE OMITTED)



C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
B	FOR INFORMATION	FP	RH	BM	08.06.26
A	FOR INFORMATION	FP	RH	AH	22.05.26
No.	Revision	By	Chk	Appd	Date

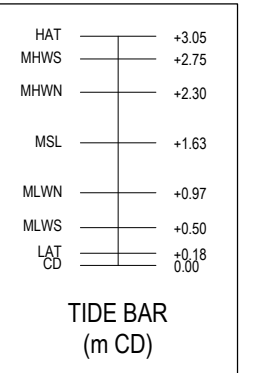
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1:750	Drawn	WP/FP	30.04.26	Date
Reduced Scale (A3)	Design	Ver		
1:1500	Check	Check		
* Refer to Revision 1 for Original Signature				



Client:	Project:
	MARINE OPERATIONS MAINTENANCE FACILITY

Title:	Discipline:
QUAYWALL GENERAL ARRANGEMENT	CIVIL - GENERAL
Drawing No.	Rev.
3237966-CA-K2000	C

1. VERTICAL LEVEL TO CHART DATUM.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. ALL LEVELS ARE IN METRES UNLESS STATED OTHERWISE.
4. FILLS 1 AND 2 MAY ALSO COMPRISE ROCK FILL.
5. FENDERS AND BOLLARDS ARE NOT SHOWN.



NEW ANCHOR WALL

TYPICAL PILE LAYOUT

PILE TUBES TO BE 1626 Dia WITH 1.6m INFILL SHEET PILES (AZ 25-800)

MAX DESIGN DREDGE -16m CD

AZ 25-800 SHEET PILE INFILL

INFILL SHEETS APPROX. TOE LEVEL -22m CD

1626 x 22.2 TUBULAR STEEL PILES

TUBES APPROX. MIN TOE LEVEL -30m CD

1626

ORIGINAL DRAWING
IN COLOUR

C	FOR RESOURCE CONSENT		FP	RH	AH	28.07.26	Original Scale (A1) AS SHOWN Reduced Scale (A3) HALF SHOWN	Design	RH/WP	30.04.26	Approved For Construction*
B	FOR INFORMATION		FP	RH	BM	08.06.26		Drawn	WP/FP	30.04.26	
A	FOR INFORMATION		FP	RH	AH	22.05.26		Dsg Verifier			
No.	Revision		By	Chk	Appd	Date		Drg Check		Date	
								* Refer to Revision 1 for Original Signature			



Client:  **MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HĪKINA WHAKATITIKI

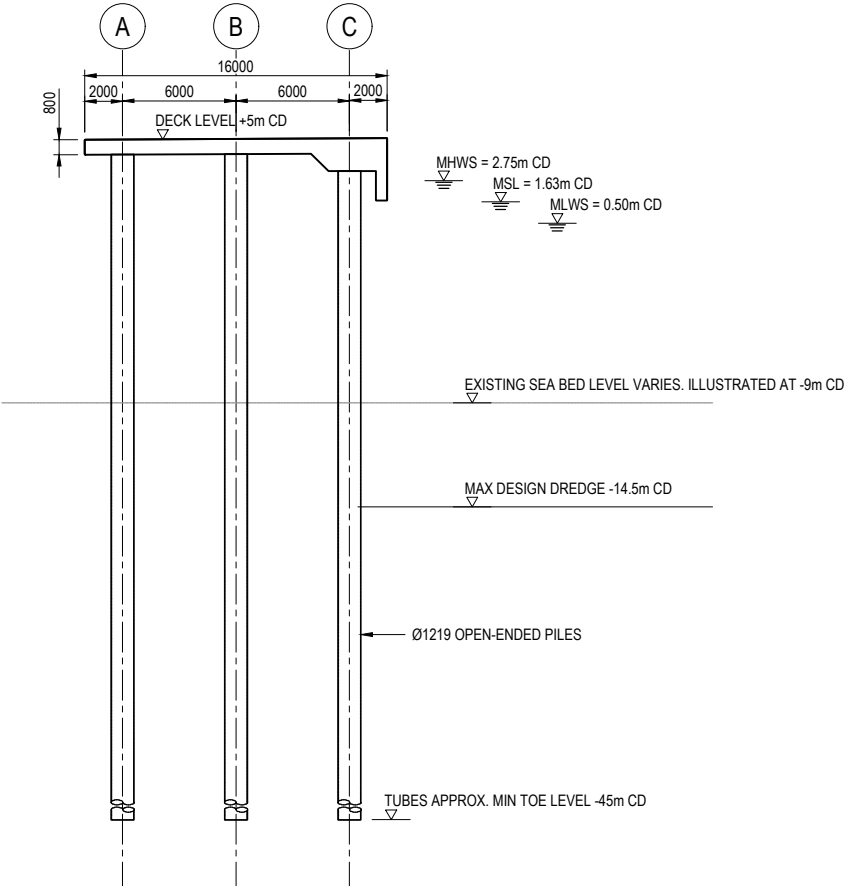
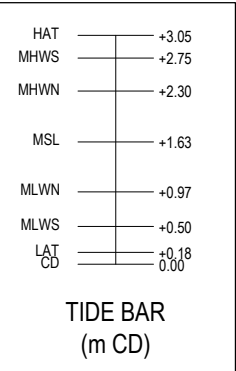
Project:	MARINE OPERATIONS MAINTENANCE FACILITY
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Title: QUAYWALL TYPICAL SECTIONS
WALL TYPE 1

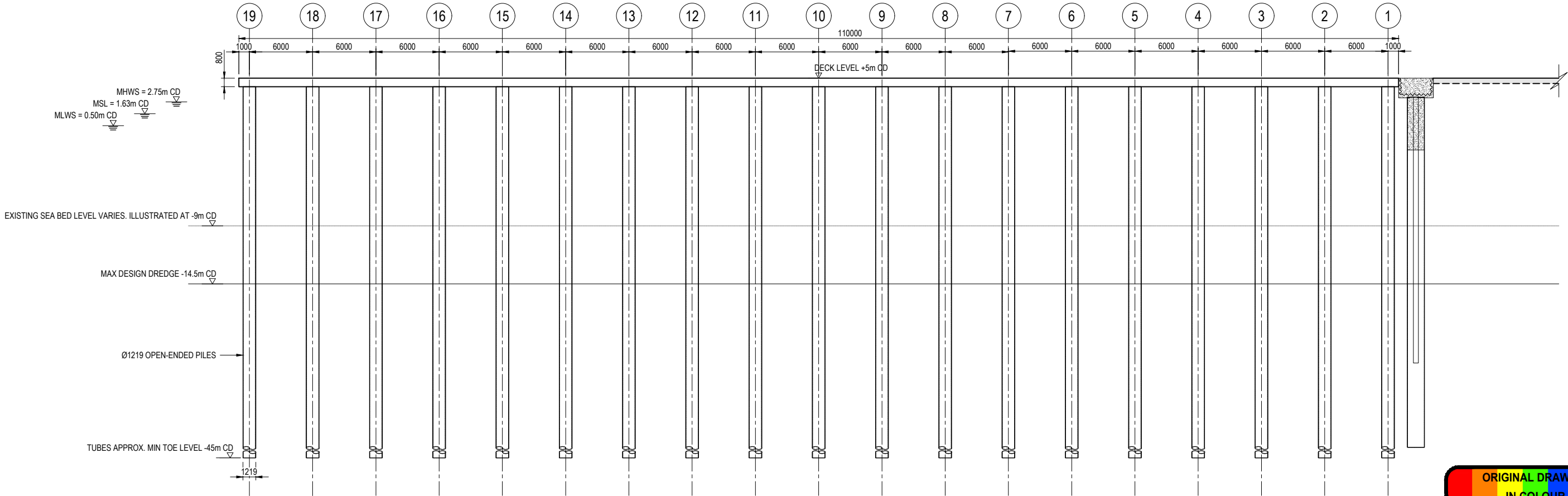
Discipline		CIVIL - GENERAL
Drawing No.	3237966-CA-K2001	Rev. C

NOTES:

1. VERTICAL LEVEL TO CHART DATUM.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. ALL LEVELS ARE IN METRES UNLESS STATED OTHERWISE.
4. FENDERS AND BOLLARDS ARE NOT SHOWN.



2 CROSS SECTION - SUSPENDED DECK
SK-2000 SCALE 1:100



3 ELEVATION - SUSPENDED DECK
SK-2000 SCALE 1:100



C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	Original Scale (A1) AS SHOWN	Design Drawn RH/FP 30.04.26	Approved For Construction*
B	FOR INFORMATION	FP	RH	BM	08.06.26	Reduced Scale (A3)	Design Verifier WP/FP 30.04.26	Date
A	FOR INFORMATION	FP	RH	AH	22.05.26	HALF SHOWN	Dwg Check	
No.	Revision	By	Chk	Appd	Date	* Refer to Revision 1 for Original Signature		



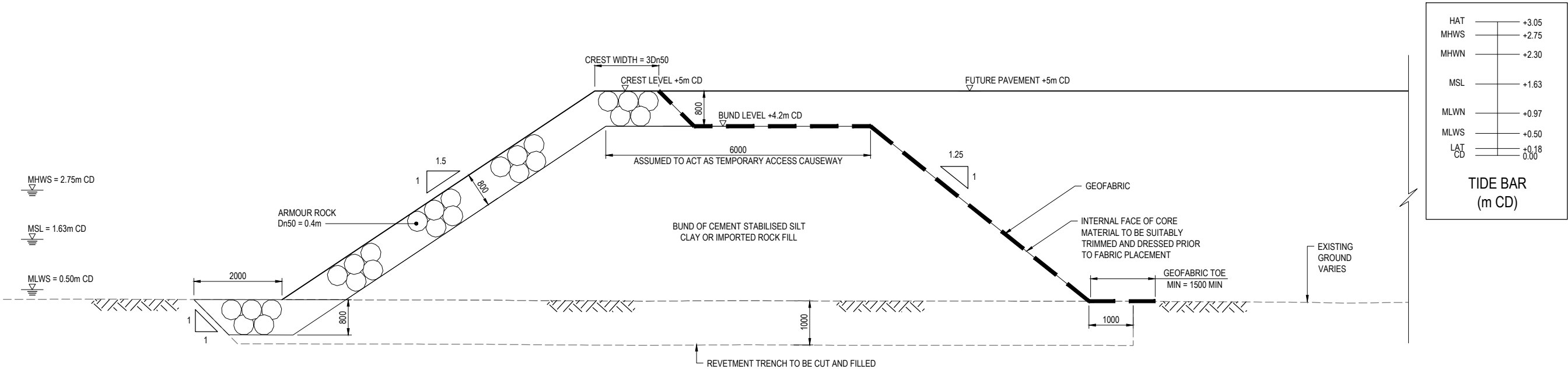
Project: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: QUAYWALL TYPICAL SECTIONS
SUSPENDED DECK

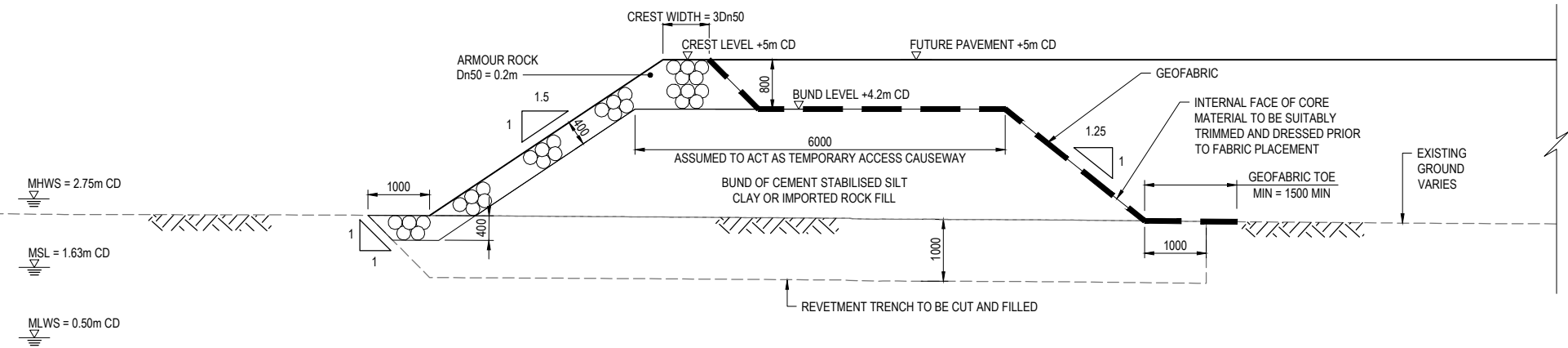
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Drawing No.	3237966-CA-K2002
Rev.	C

NOTES:

1. VERTICAL LEVEL TO CHART DATUM.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. ALL LEVELS ARE IN METRES UNLESS STATED OTHERWISE.



4 TYPICAL SECTION - ROCK REVETMENT TYPE A
SK-2000 SCALE 1:50



5 TYPICAL SECTION - ROCK REVETMENT TYPE B
SK-2000 SCALE 1:50

ORIGINAL DRAWING
IN COLOUR
RESOURCE CONSENT
NOT FOR CONSTRUCTION

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	Original Scale (A1) AS SHOWN Reduced Scale (A3) HALF SHOWN	Design Drawn WP/FP	30.04.26	Approved For Construction*
B	FOR INFORMATION	FP	RH	BM	08.06.26		Dwg Verifier	30.04.26	
A	FOR INFORMATION	FP	RH	AH	22.05.26		Dwg Check		
No.	Revision	By	Chk	Appd	Date		Date		
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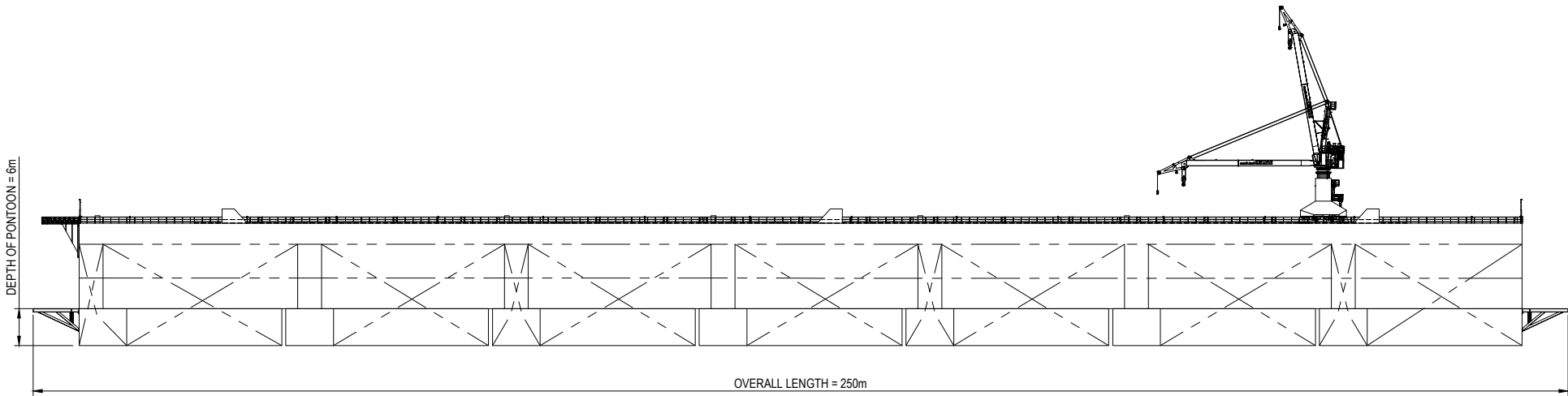
Project: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: REVETMENT
TYPICAL SECTIONS

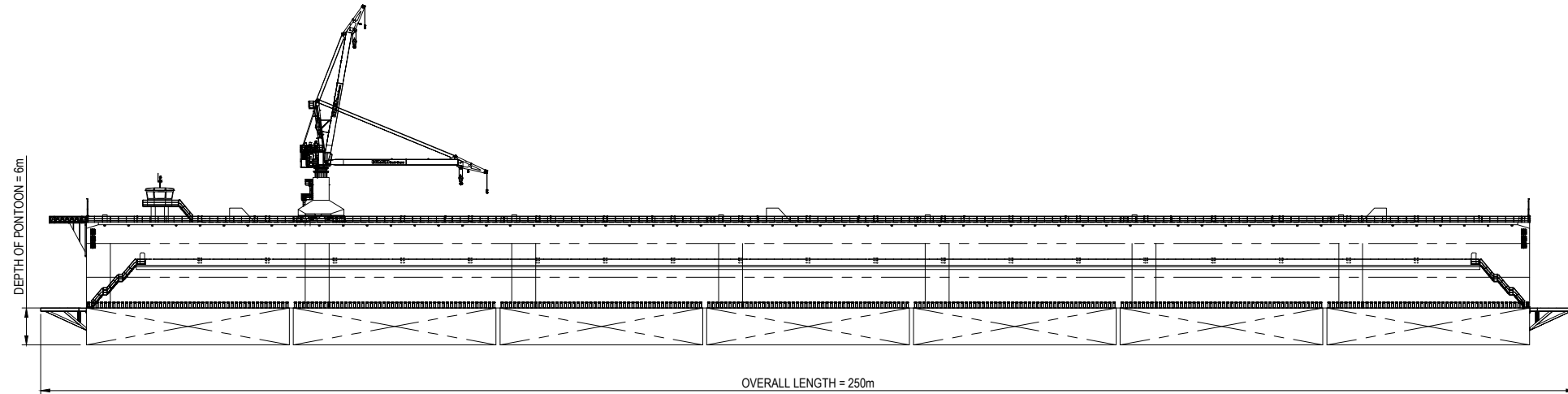
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Drawing No.	3237966-CA-K3000
Rev.	C

NOTES:

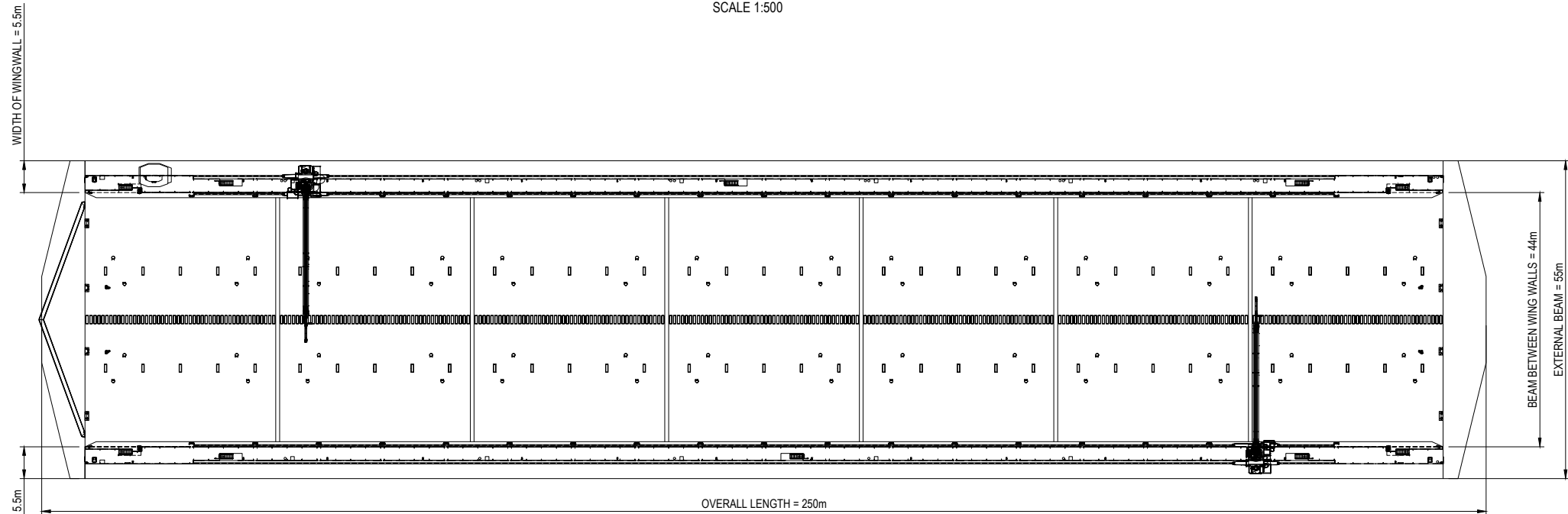
1. EXAMPLE DRY DOCK ARRANGEMENT BASED ON A DAMEN MODULAR FLOATING DRY DOCK.



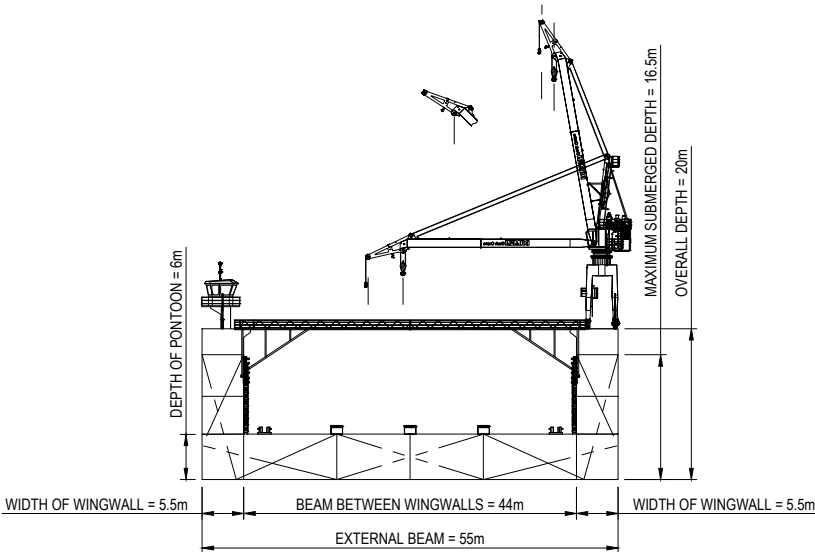
SIDE VIEW
SCALE 1:500



SIDE VIEW
SCALE 1:500



PLAN
SCALE 1:500



CROSS SECTION
SCALE 1:500

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	Original Scale (A1)	Design	RH/FP	30.04.26	Approved For Construction*
B	FOR INFORMATION	FP	RH	BM	08.06.26	AS SHOWN	Drawn	WP/FP	30.04.26	Date
A	FOR INFORMATION	FP	RH	AH	22.05.26	Reduced Scale (A3)	Design Verifier			
No.	Revision	By	Chk	Appd	Date	HALF SHOWN	Dwg Check			* Refer to Revision 1 for Original Signature



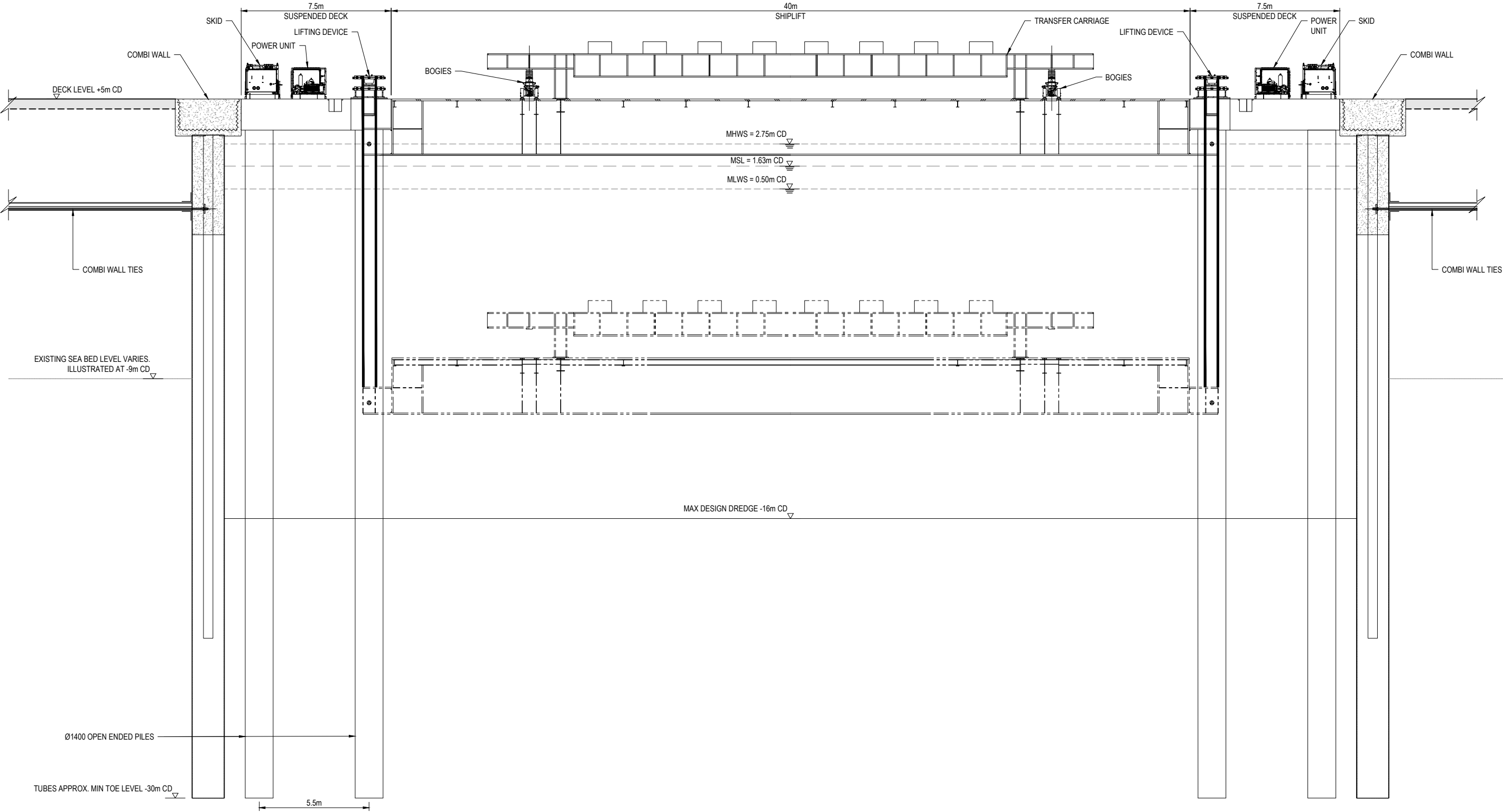
Project: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: EXAMPLE DRY DOCK
ARRANGEMENT

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K4000
Rev.	C

NOTES:

- 1. VERTICAL LEVEL TO CHART DATUM.
- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- 3. ALL LEVELS ARE IN METRES UNLESS STATED OTHERWISE.



LIFTING DEVICE CROSS SECTION
SCALE 1:100

ORIGINAL DRAWING
IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	Original Scale (A1) AS SHOWN	Design Drawn	RH/WP	30.04.26	Approved For Construction*
B	FOR INFORMATION	FP	RH	BM	08.06.26	Reduced Scale (A3)	Design Verifier	WP/FP	30.04.26	Date
A	FOR INFORMATION	FP	RH	AH	22.05.26	HALF SHOWN	Dwg Check			
No.	Revision	By	Chk	Appd	Date					



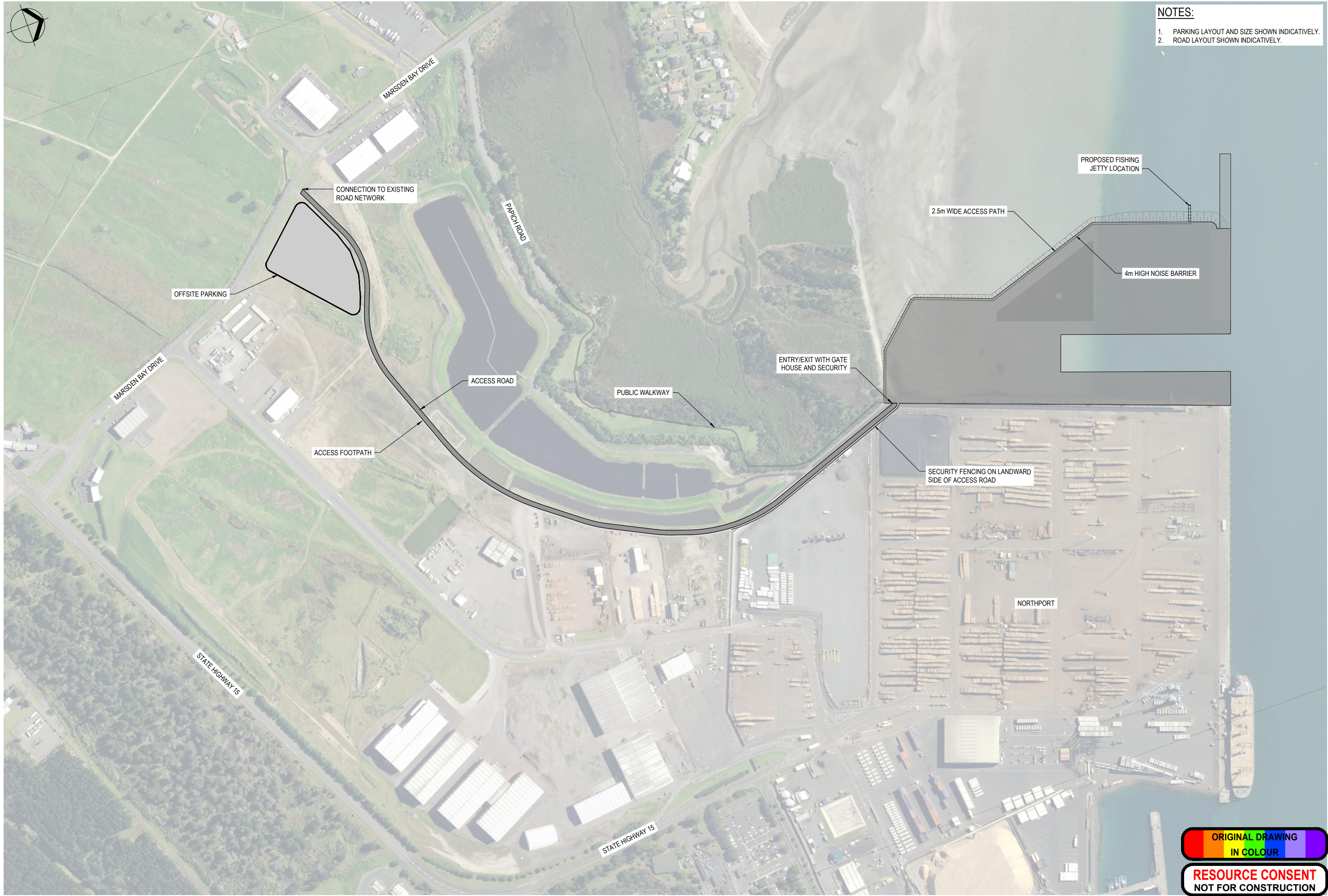
Project: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: EXAMPLE SHIPLIFT
ARRANGEMENT

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K4002
Rev.	C



- NOTES:**
- 1. PARKING LAYOUT AND SIZE SHOWN INDICATIVELY.
 - 2. ROAD LAYOUT SHOWN INDICATIVELY.



D	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26	Original Scale (A1)	Design	RH/FP	30.04.26	Approved For Construction*
C	FOR INFORMATION	FP	RH	BM	08.06.26	1:2500	Drawn	WP/FP	30.04.26	Date
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No.	Revision	By	Chk	Appd	Date					

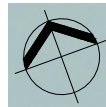


Client: **MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT**
HĀKINA WHAKATUTUKI

Project: **MARINE OPERATIONS MAINTENANCE FACILITY**

Title: **EXTERNAL ROAD LAYOUT**

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K7000
Rev.	D



DRY DOCK POCKET

INITIAL ROCK REVETMENT AND CONTAINMENT BUND

CONTAINMENT BUND

CONSTRUCTION COMPOUND AREA

STAGE 1: INITIAL CONTAINMENT AND RECLAMATION

1. DREDGE INITIAL SECTION OF REVETMENT TRENCH
2. FILL REVETMENT TRENCH WITH AP65
3. PARTIALLY DREDGE DRY DOCK POCKET WITH BACKHOE DREDGER
4. MIX CEMENT INTO DREDGED MATERIAL TO FORM MUDCRETE
5. PLACE CEMENTITIOUS MATERIAL OR ROCK FILL ALONG THE CONTAINMENT BUND
6. TRIM BUND
7. PLACE GEOFABRIC
8. DEPOSIT DREDGE MATERIAL INTO THE CONTAINED AREA TO FORM CONSTRUCTION COMPOUND AREA
9. PLACE ARMOUR MATERIAL ALONG THE REVETMENT

ROCK REVETMENT AND CONTAINMENT BUND EXTENSION

DRY DOCK POCKET

STAGE 2: EXTEND ROCK REVETMENT AND BUND

1. DREDGE REMAINING SECTION OF REVETMENT TRENCH
2. FILL REVETMENT TRENCH WITH AP65 (PROVISIONAL)
3. PARTIALLY DREDGE DRY DOCK POCKET WITH BACKHOE DREDGER
4. MIX CEMENT INTO DREDGED MATERIAL TO FORM MUDCRETE
5. PLACE CEMENTITIOUS MATERIAL OR ROCK FILL ALONG THE CONTAINMENT BUND
6. TRIM BUND
7. PLACE GEOFABRIC
8. PLACE ARMOUR MATERIAL ALONG THE REVETMENT



C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
B	FOR INFORMATION	FP	RH	BM	08.06.26
A	FOR INFORMATION	WP/FP	RH	AH	27.05.26
No.	Revision	By	Chk	Appd	Date

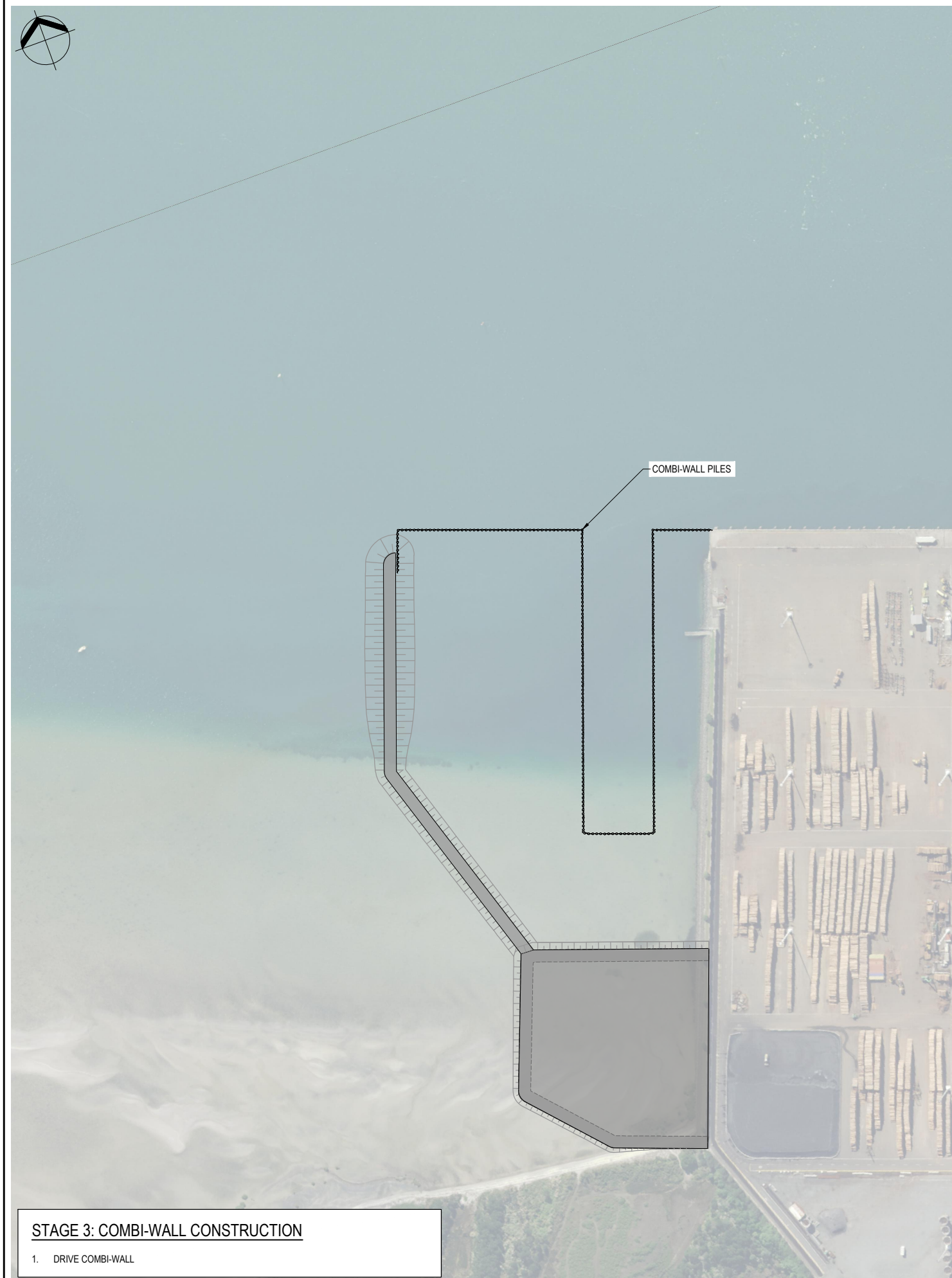
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Reduced Scale (A3)	Design Verifier			
1:4000	Dwg Check			
	* Refer to Revision 1 for Original Signature			



Client: MARINE OPERATIONS
MAINTENANCE FACILITY

Project: CONSTRUCTION STAGING PLAN
STAGES 1 AND 2

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K8001
Rev.	C



STAGE 3: COMBI-WALL CONSTRUCTION

1. DRIVE COMBI-WALL

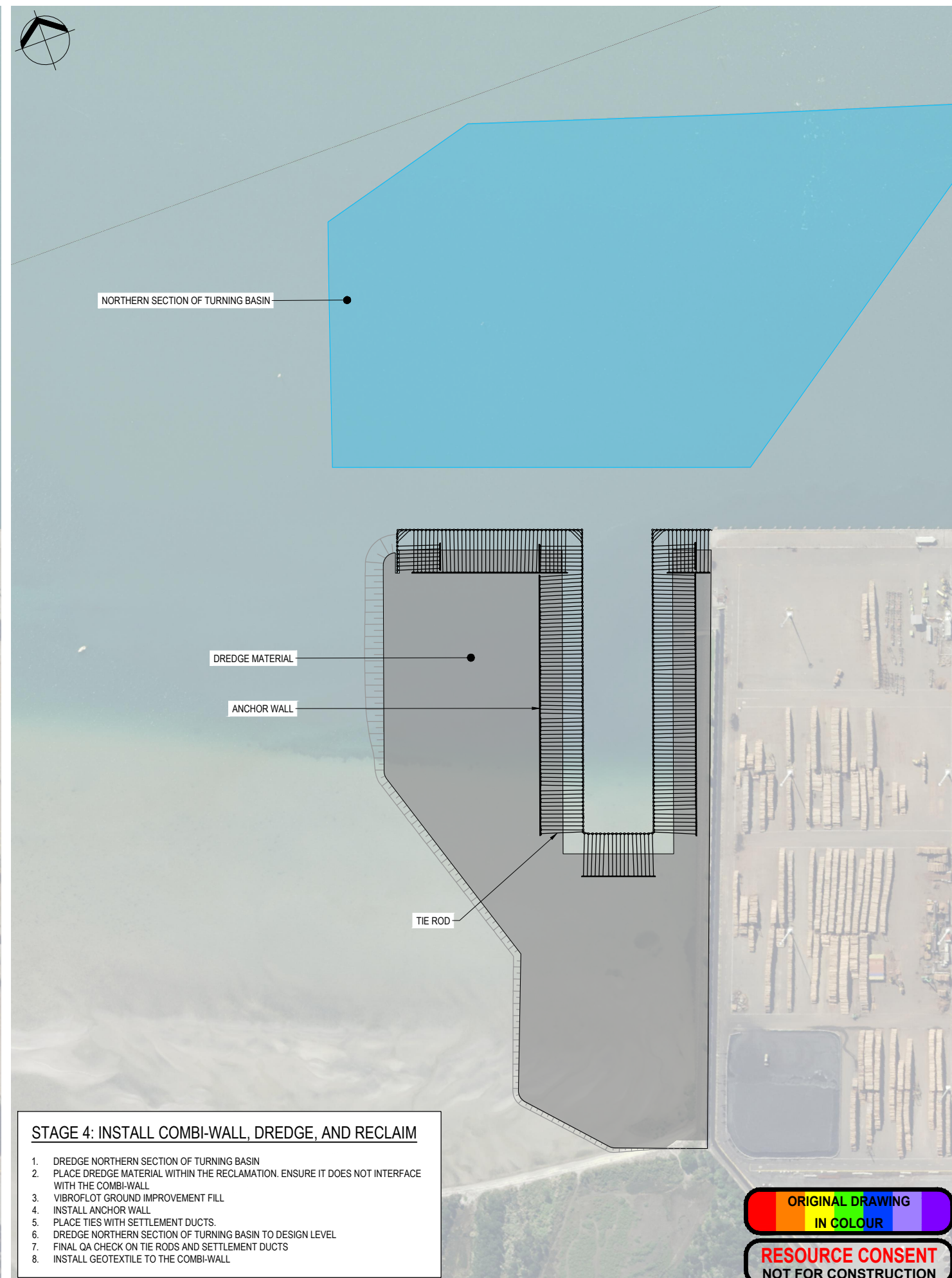
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A	FOR INFORMATION	WP/FP	RH	AH	27.05.26		Design Check			
No.	Revision	By	Chk	Appd	Date					



Client: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: CONSTRUCTION STAGING PLAN
STAGES 3 AND 4

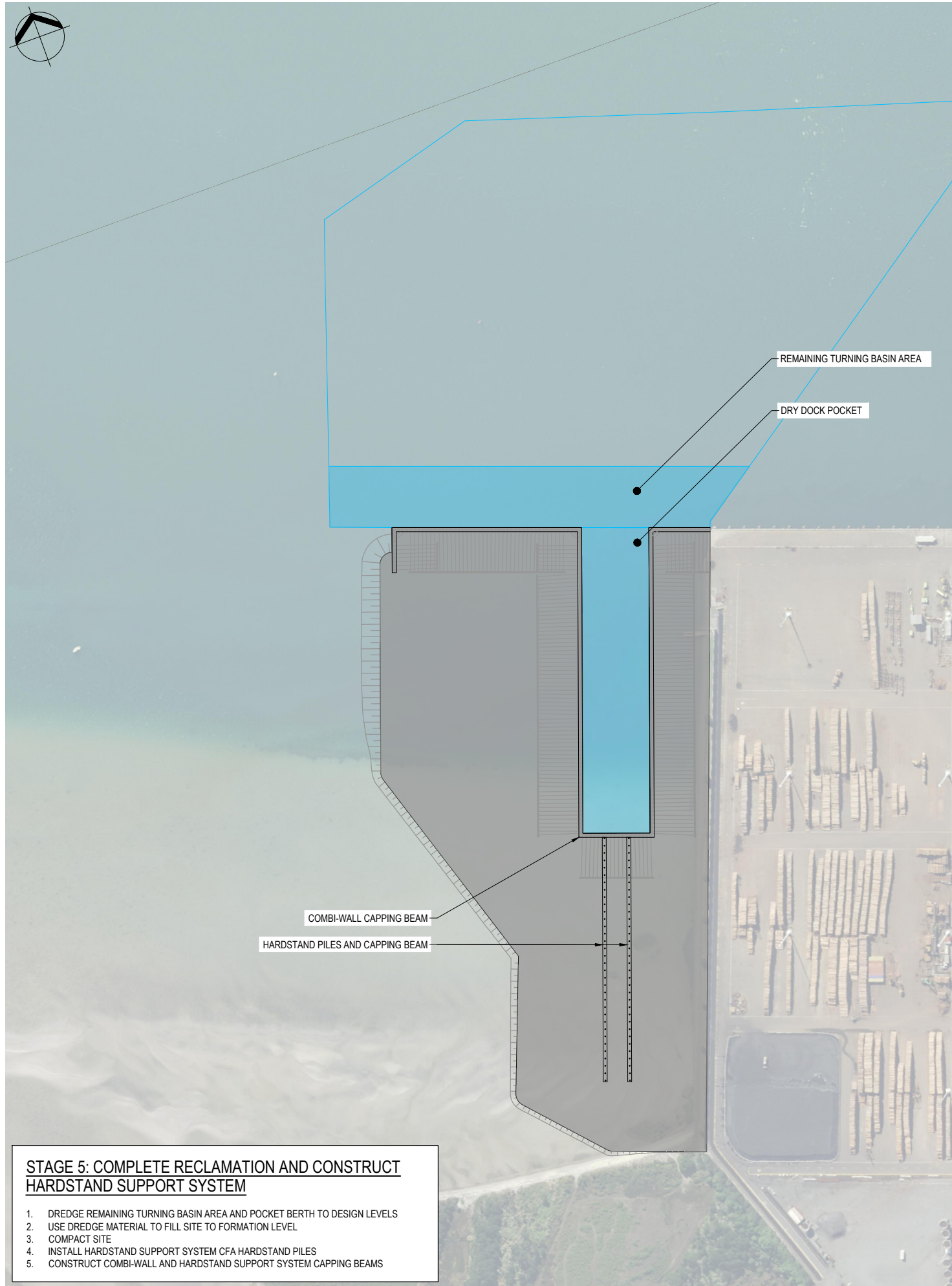
Discipline: CIVIL - GENERAL
Drawing No. 3237966-CA-K8002
Rev. C



STAGE 4: INSTALL COMBI-WALL, DREDGE, AND RECLAIM

1. DREDGE NORTHERN SECTION OF TURNING BASIN
2. PLACE DREDGE MATERIAL WITHIN THE RECLAMATION. ENSURE IT DOES NOT INTERFACE WITH THE COMBI-WALL
3. VIBROFLOT GROUND IMPROVEMENT FILL
4. INSTALL ANCHOR WALL
5. PLACE TIES WITH SETTLEMENT DUCTS
6. DREDGE NORTHERN SECTION OF TURNING BASIN TO DESIGN LEVEL
7. FINAL QA CHECK ON TIE RODS AND SETTLEMENT DUCTS
8. INSTALL GEOTEXTILE TO THE COMBI-WALL





STAGE 5: COMPLETE RECLAMATION AND CONSTRUCT HARDSTAND SUPPORT SYSTEM

1. DREDGE REMAINING TURNING BASIN AREA AND POCKET BERTH TO DESIGN LEVELS

2. USE DREDGE MATERIAL TO FILL SITE TO FORMATION LEVEL

3. COMPACT SITE

4. INSTALL HARDSTAND SUPPORT SYSTEM CFA HARDSTAND PILES

5. CONSTRUCT COMBI-WALL AND HARDSTAND SUPPORT SYSTEM CAPPING BEAMS

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
B	FOR INFORMATION	FP	RH	BM	08.06.26
A	FOR INFORMATION	WP/FP	RH	AH	27.05.26
No.	Revision	By	Chk	Appd	Date

Original Scale (A1)	Design	RH/FP	19.05.26	Approved For Construction*
1:2000	Drawn	WP/FP	19.05.26	Date
Reduced Scale (A3)	Dwg Verifier			
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	* Refer to Revision 1 for Original Signature			



Client:

MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT
HIKINA WHAKATUTUKI

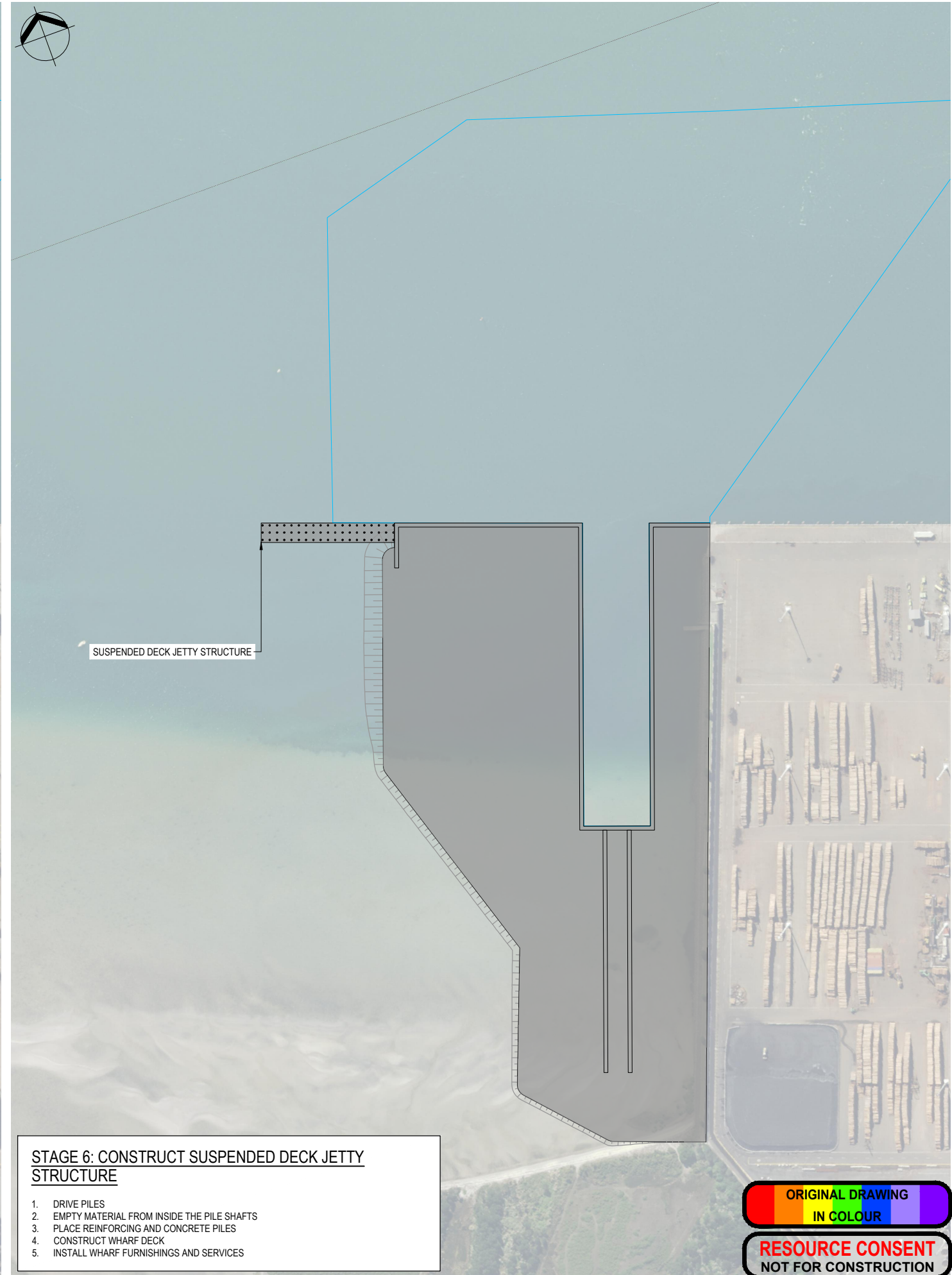
Project:

MARINE OPERATIONS
MAINTENANCE FACILITY

Title:

CONSTRUCTION STAGING PLAN
STAGES 5 AND 6

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K8003
Rev.	C



STAGE 6: CONSTRUCT SUSPENDED DECK JETTY STRUCTURE

1. DRIVE PILES

2. EMPTY MATERIAL FROM INSIDE THE PILE SHAFTS

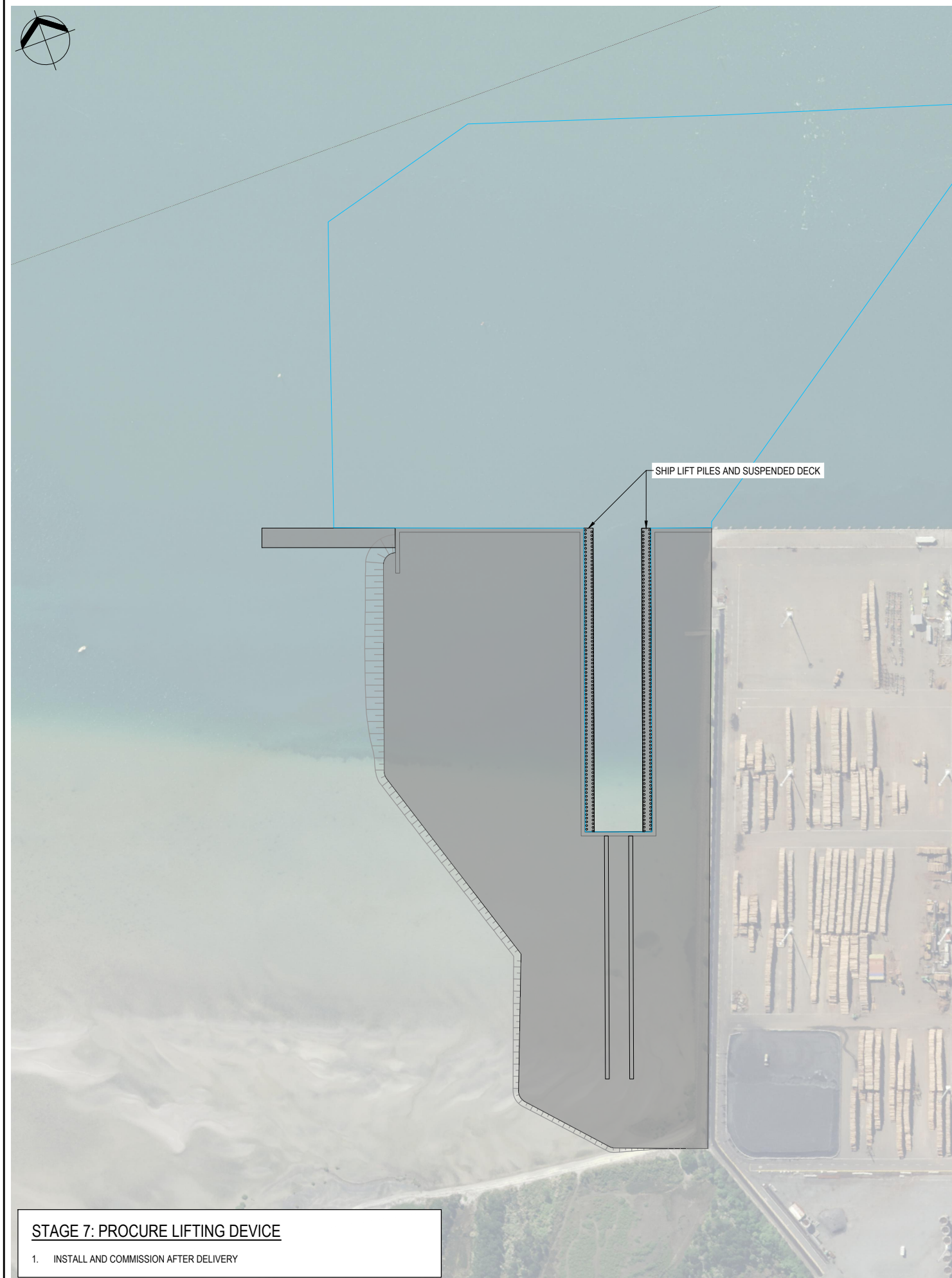
3. PLACE REINFORCING AND CONCRETE PILES

4. CONSTRUCT WHARF DECK

5. INSTALL WHARF FURNISHINGS AND SERVICES

ORIGINAL DRAWING
IN COLOUR

RESOURCE CONSENT
NOT FOR CONSTRUCTION



STAGE 7: PROCURE LIFTING DEVICE

1. INSTALL AND COMMISSION AFTER DELIVERY

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
B	FOR INFORMATION	FP	RH	BM	08.06.26
A	FOR INFORMATION	WP/FP	RH	AH	27.05.26
No.	Revision	By	Chk	Appd	Date

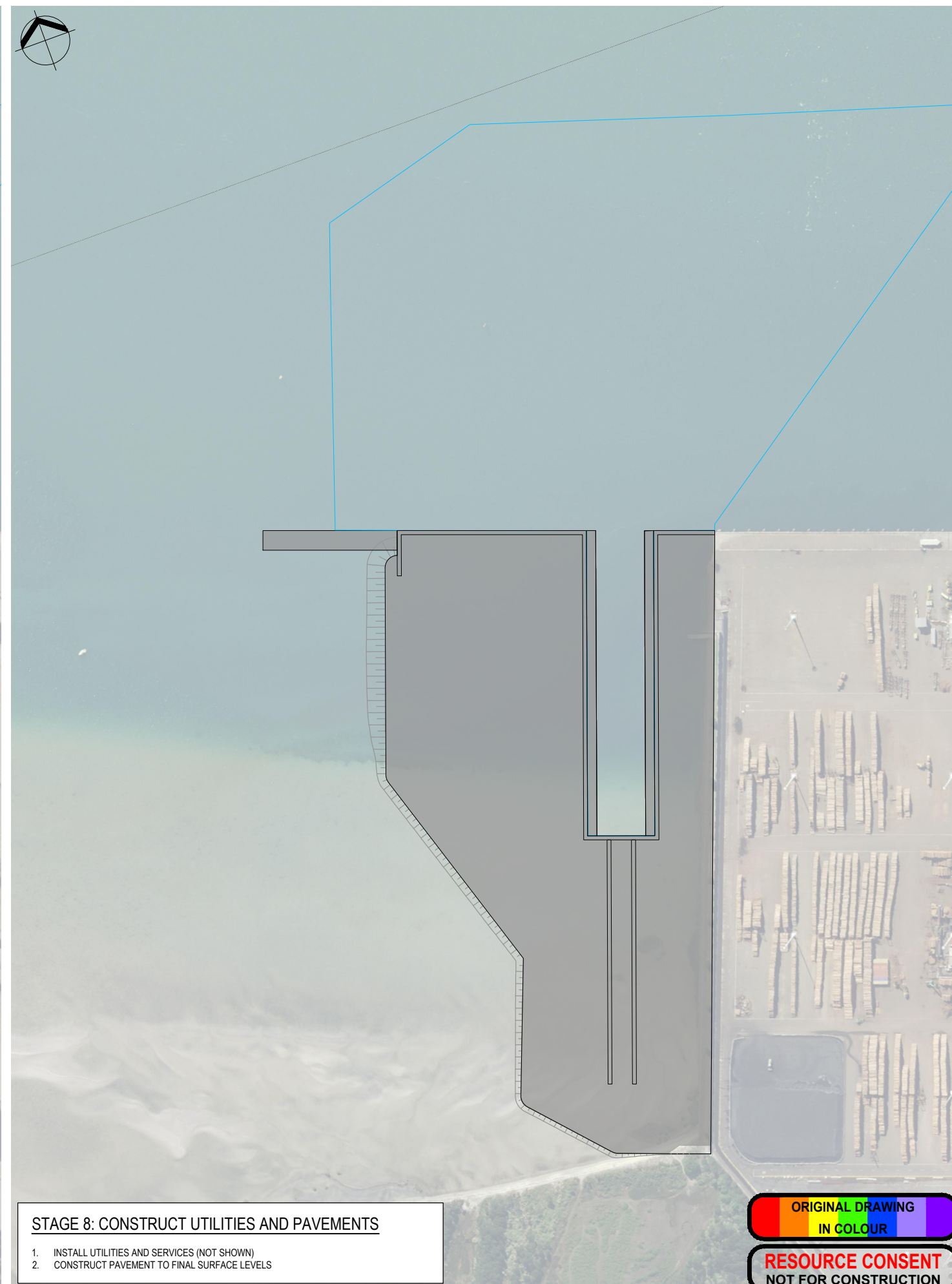
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Reduced Scale (A3)	Design Verifier			
1:4000	Dwg Check			
	* Refer to Revision 1 for Original Signature			



Client: MARINE OPERATIONS
MAINTENANCE FACILITY

Title: CONSTRUCTION STAGING PLAN
STAGES 7 AND 8

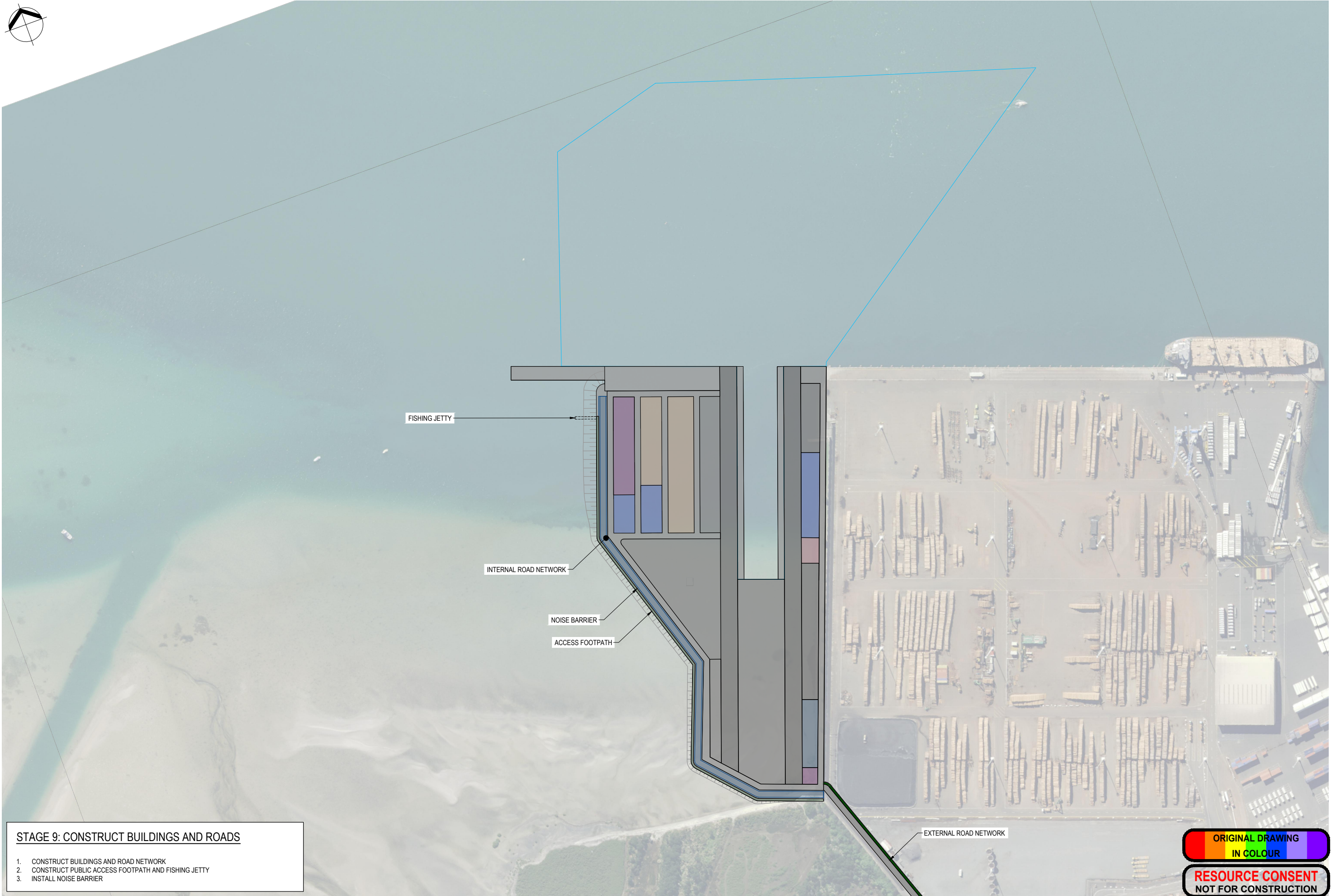
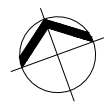
Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K8004
Rev.	C



STAGE 8: CONSTRUCT UTILITIES AND PAVEMENTS

1. INSTALL UTILITIES AND SERVICES (NOT SHOWN)
2. CONSTRUCT PAVEMENT TO FINAL SURFACE LEVELS





STAGE 9: CONSTRUCT BUILDINGS AND ROADS

- 1. CONSTRUCT BUILDINGS AND ROAD NETWORK
- 2. CONSTRUCT PUBLIC ACCESS FOOTPATH AND FISHING JETTY
- 3. INSTALL NOISE BARRIER

C	FOR RESOURCE CONSENT	FP	RH	AH	28.07.26
B	FOR INFORMATION	FP	RH	BM	08.06.26
A	FOR INFORMATION	WP/FP	RH	AH	27.05.26
No.	Revision	By	Chk	Appd	Date

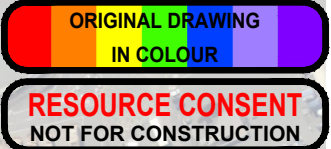
Original Scale (A1)	Design	RH/WP	19.05.26	Approved For Construction*
1:2000	Drawn	WP/FP	19.05.26	Date
Reduced Scale (A3)	Design Checker			
1:4000	Drp Check			
* Refer to Revision 1 for Original Signature				



Client: MARINE OPERATIONS
MAINTENANCE FACILITY

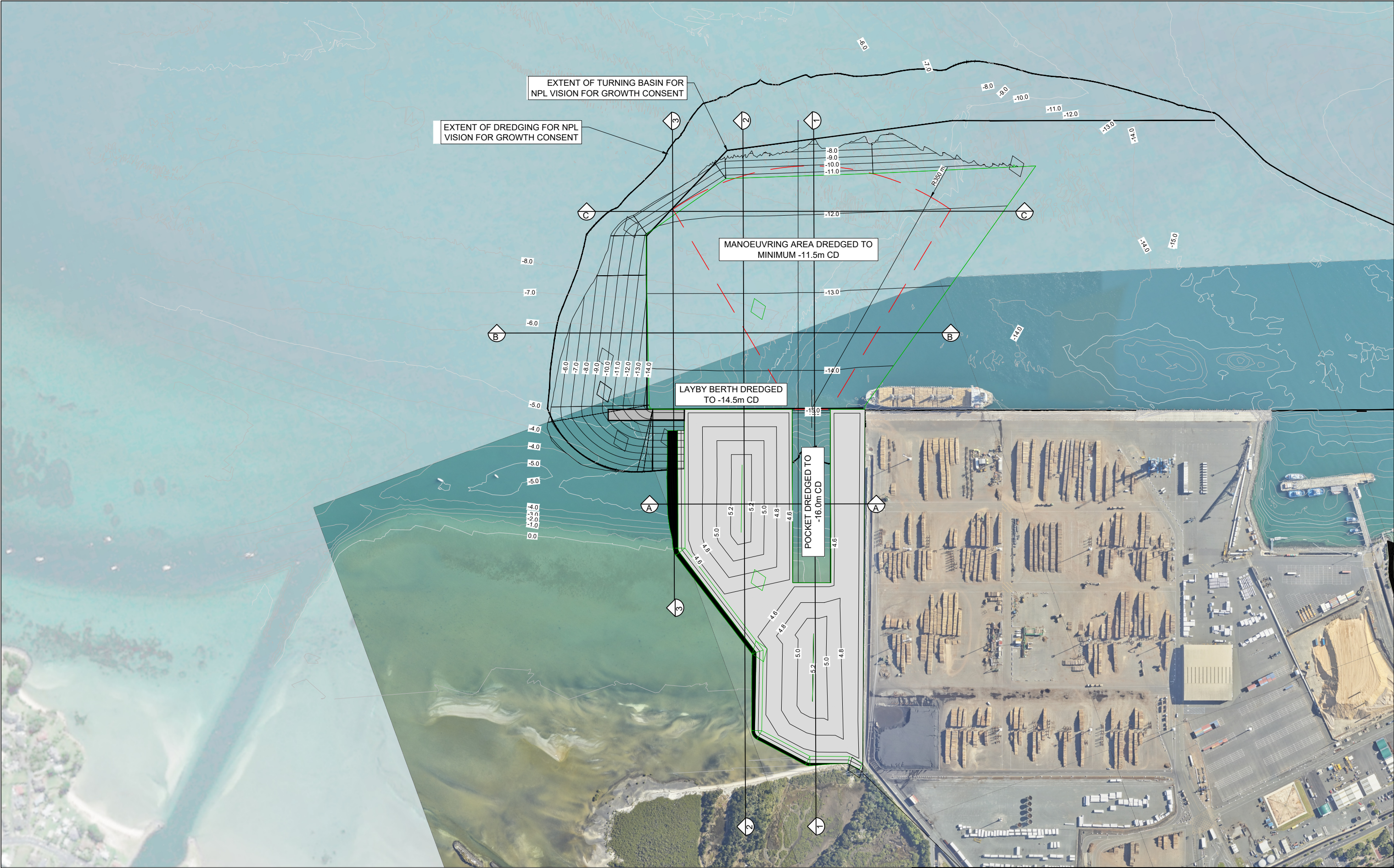
Project: CONSTRUCTION STAGING PLAN
STAGE 9

Discipline	CIVIL - GENERAL
Drawing No.	3237966-CA-K8005
Rev.	C



APPENDIX 6B

STAGE 1 DREDGING PLANS



ISSUE	DATE	DETAILS	APPRVD	BY

DREDGE VOLUME FOR MANOEUVRING AREA - 622,229m3
DREDGE VOLUME FOR SHIP LIFT POCKET- 130,980m3

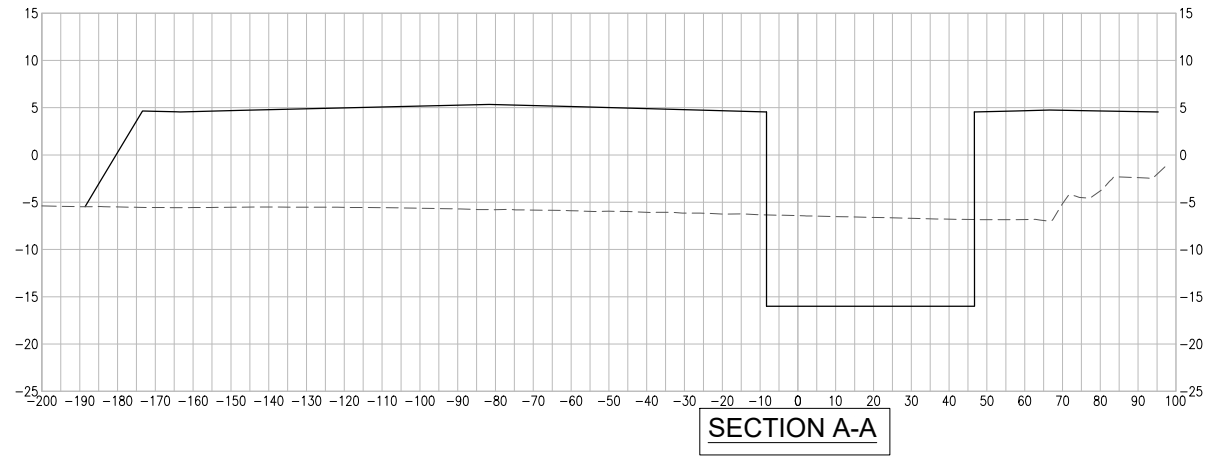
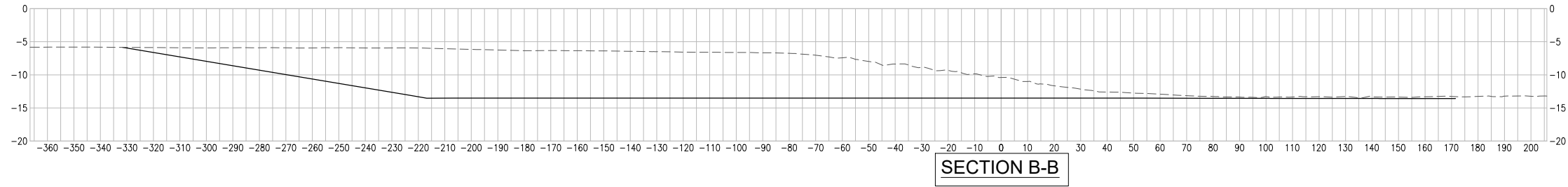
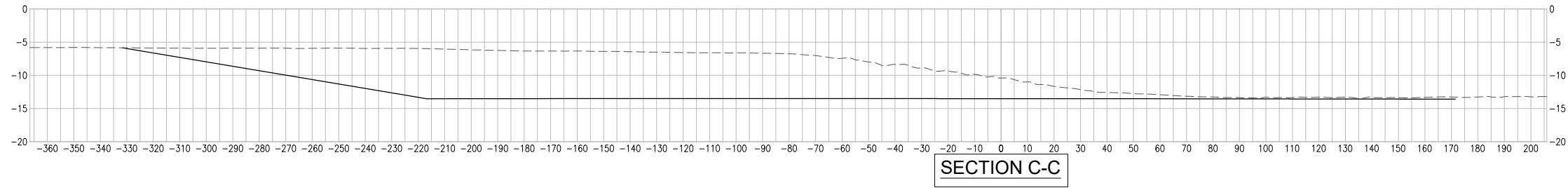
RECLAMATION VOLUME
654,144m3



Northport

P.O BOX 44
RUAKAKA, NEW ZEALAND
TEL 09 432 5010

Title: NORTHPORT NORTHLAND MARINE MAINTENANCE FACILITY DREDGING AND RECLAMATION - OVERVIEW PLAN			
Path		Dwg No D60-X	Issue: R0
Drawn: B SWEENEY	Checked:	Scale: 1:2500 (A1) 1:5000(A3)	Date: JULY 2026 Sheet: 01

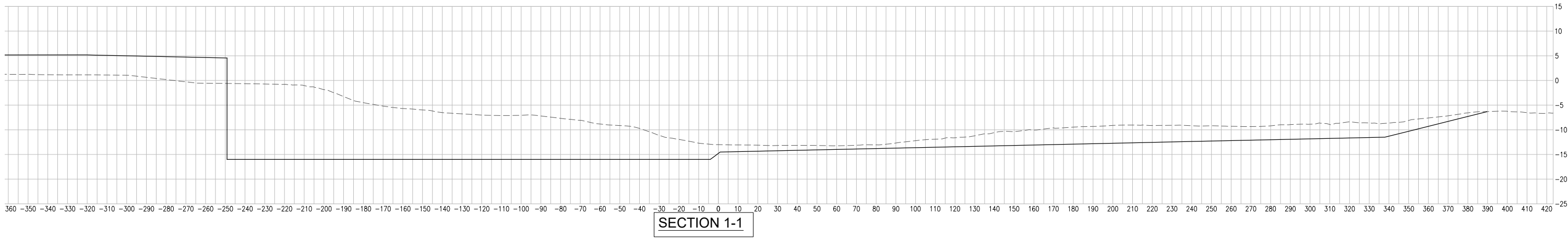
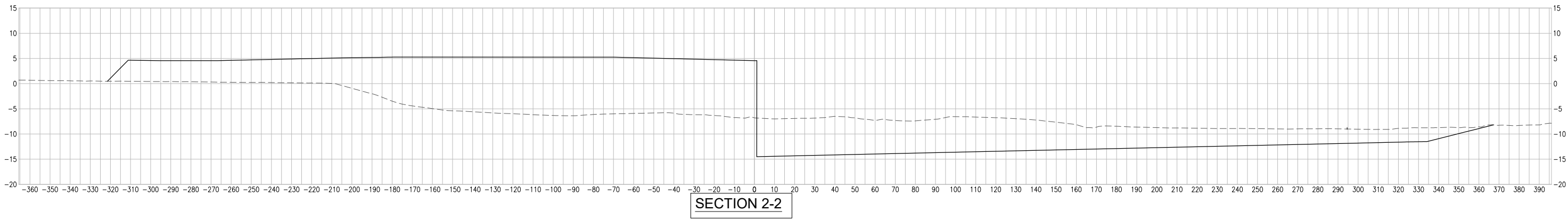
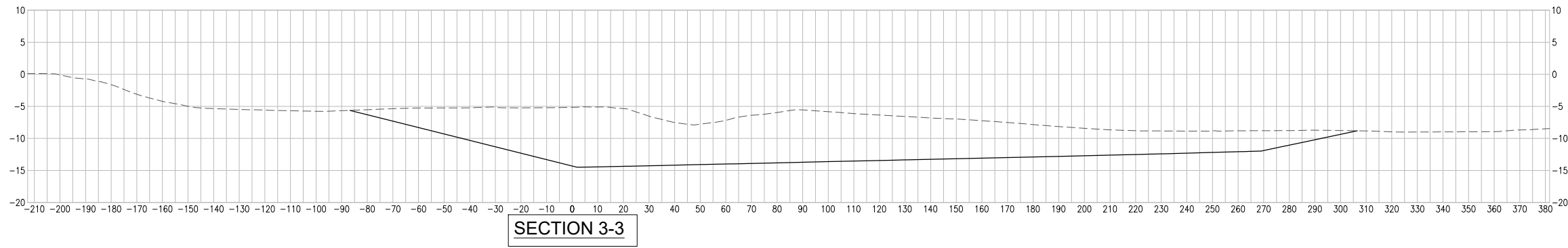


ISSUE	DATE	DETAILS	APPRVD	BY



Northport
P.O BOX 44
RUAKAKA, NEW ZEALAND
TEL 09 432 5010

Title: NORTHPORT NORTHLAND MARINE MAINTENANCE FACILITY DREDGING AND RECLAMATION - CROSS SECTIONS			
Path		Dwg No D60-X	Issue: R0
Drawn: B SWEENY	Checked:	Scale: 1:1000 (A1) 1:2000(A3)	Date: JULY 2026 Sheet: 02



ISSUE	DATE	DETAILS	APPRVD	BY

1H:2.5V
EXAGGERATION





P.O BOX 44
RUAKAKA, NEW ZEALAND
TEL 09 432 5010

Title:
**NORTHPORT
NORTHLAND MARINE MAINTENANCE FACILITY
DREDGING AND RECLAMATION - CROSS SECTIONS**

Path		Dwg No D60-X		Issue: R0	
Drawn: B SWEENY	Checked:	Scale: 1:1000 (A1) 1:2000(A3)	Date: JULY 2026	Sheet: 03	

APPENDIX 6C

STAGE 2 DREDGING PLANS



NORTHPORT CONSENTED DREDGE VOLUME

AMENDED CONCEPT DREDGING DESIGN TO - 18.0mCD

AMENDED CONCEPT DREDGING DESIGN TO - 17.5mCD

AMENDED CONCEPT DREDGING DESIGN TO - 17.0mCD

VOLUME REQUIRED TO OFFSET MARINE MAINTENANCE FACILITY DREDGING IS 622,229m3

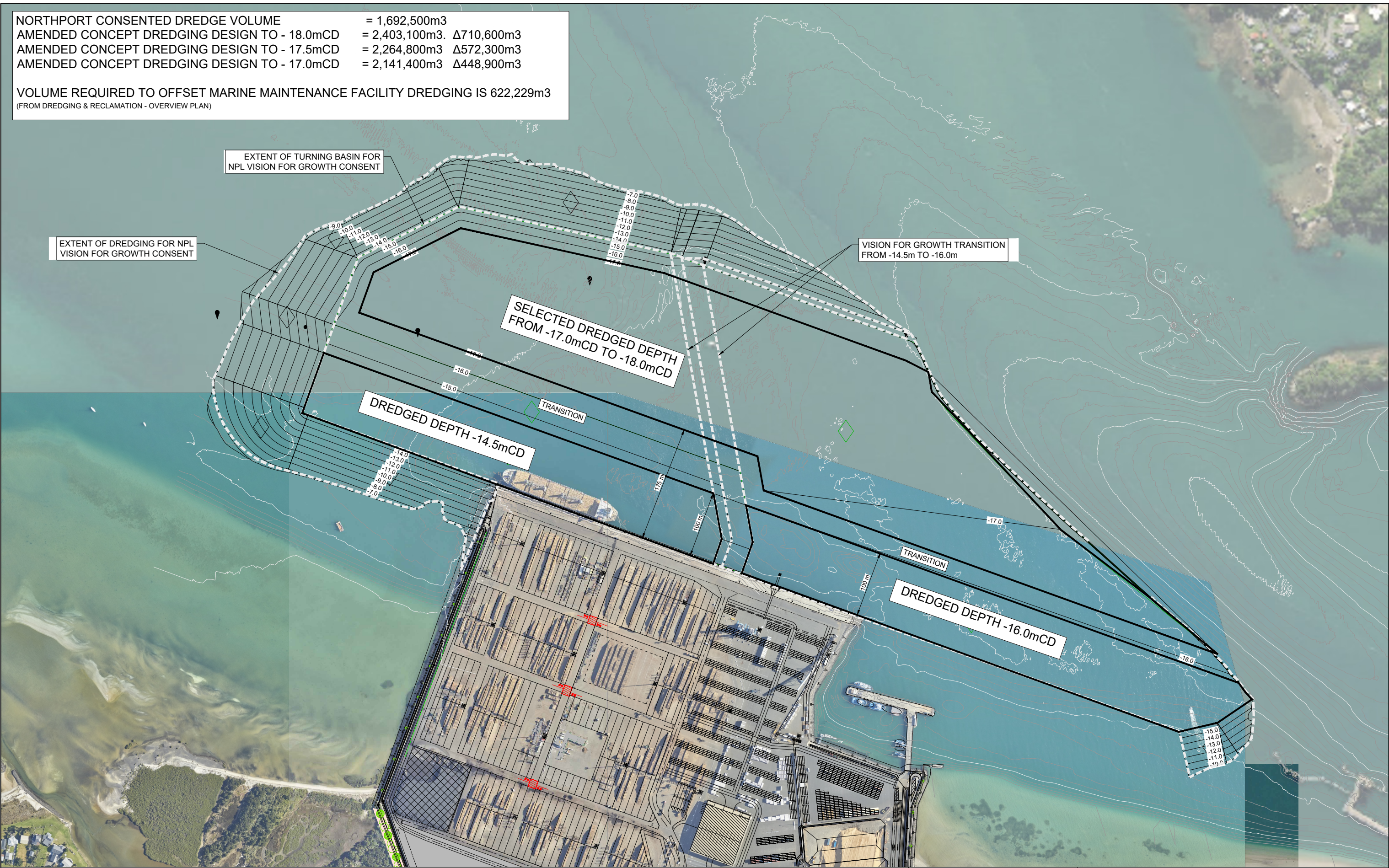
(FROM DREDGING & RECLAMATION - OVERVIEW PLAN)

= 1,692,500m3

= 2,403,100m3. Δ710,600m3

= 2,264,800m3 Δ572,300m3

= 2,141,400m3 Δ448,900m3



					Northport P.O BOX 44 RUAKAKA, NEW ZEALAND TEL 09 432 5010	Title: NORTHPORT NORTHLAND MARINE MAINTENANCE FACILITY ADDITIONAL DREDGING VOLUME MODEL				
						Path	Dwg No D60-X		Issue: R0	
						Drawn: B SWEENEY	Checked:	Scale: NTS	Date: JULY 2026	Sheet: 01
ISSUE	DATE	DETAILS		APPRVD	BY					