This approval is for works within the priority development area boundary only.

AMENDED IN RED
By: Tiana Hill
Date: 5/11/2026
Queensland Government

DESIGN AND TECHNICAL SERVICES

Redland CITY COUNCIL

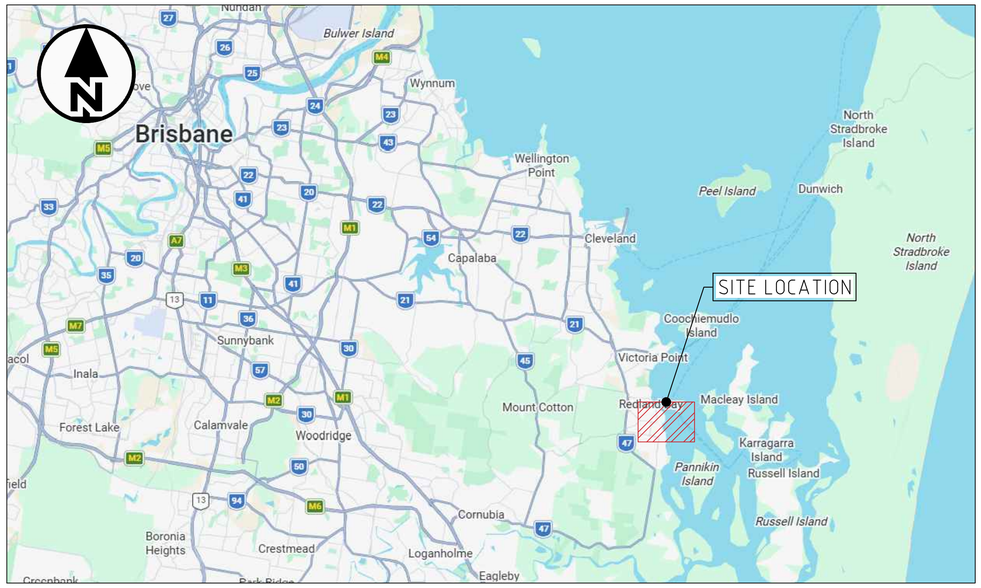
Redlands coast

CONSTRUCTION DRAWINGS

44692-2 - FORESHORE PROTECTION MOORES ROAD, REDLAND BAY

DRAWING SCHEDULE

DRAWING:	TITLE:	REVISION:
44692-2-001	TITLE SHEET, DRAWING SCHEDULE AND LOCALITY PLAN	P02
002	NOTES	P02
003	EMERGENCY WORKS SURVEY	P02
100	GENERAL ARRANGEMENT, HAZARD AND CONSTRAINT	P02
200	TYPICAL SECTIONS	P02
201	DETAILS	P02
300	LONGITUDINAL SECTION	P02
400	CHAINAGE SECTIONS 1/2	P02
401	CHAINAGE SECTIONS 2/2	P02



LOCALITY PLAN
(NOT TO SCALE)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WNC-5419
Date: 11 November 2026
Queensland Government

THIS DRAWING SET HAS BEEN PRODUCED AND CERTIFIED BY:
JEREMY BENN PACIFIC ENGINEERS AND SCIENTISTS PTY LTD
NOT FOR CONSTRUCTION
CERTIFIED BY: D.W. RODGER
RPEQ NO: 17794
DATE: 23.10.2026
SIGNED.....

JBP scientists and engineers

FOR APPROVAL
NOT FOR CONSTRUCTION OR TENDER

REV.	DATE	DESCRIPTION	DRN	DSN	CHK	APR
3	23/10/26	FOR APPROVAL	MVM	MVM	BL	DR
2	28/07/26	FOR APPROVAL	MVM	MVM	BL	-
1	09/04/26	FOR APPROVAL	MVM	MVM	BL	-

DESIGN AND TECHNICAL SERVICES
Redland CITY COUNCIL Redlands coast

DATE	10/10/2025
SCALE	1:1000 @ A3
FILE# / RUN#	RE042007_4
JOB #	44692
SURVEYOR	J Eunson

SURVEY OF	Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x		
FIELD BK	Smartnet VRS	LEVEL BK	Smartnet VRS
HORIZ DATUM	MGA 94	VERT DATUM	AHD
ORIGIN PSM	PM108835	ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY
FORESHORE PROTECTION DESIGN

TITLE: TITLE SHEET
DRAWING SCHEDULE AND LOCALITY PLAN

DESIGN SERVICES DRG: 44692-2-001
REV: 3
PLAN: 1 OF 9
RCC DRG. No: RM053-14-001
SIZE: A1

DRAWING FILE LOCATION / NAME
N:\2026\Projects\2026s0161 - Redland City Council - FP Esplanade Redland Bay\1_WIP\C\Graphical\CAD\DR\RWN-JBAP-00-00-DR-C-001-S3-P02.dwg

GENERAL NOTES:

1) THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS, REFERENCES, AND OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORKS.
2) ALL MATERIALS AND WORKMANSHIP SHALL BE AS PER THE SPECIFICATION UNLESS NOTED OTHERWISE.
3) DO NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONS MUST BE CHECKED, SURVEYED, AND VERIFIED ON SITE.
4) ALL EXISTING LEVELS QUOTED ON THE DRAWINGS ARE FROM THE TIME OF THE SURVEY.
5) NO SURFACE EXCAVATION AT SITE, OTHER THAN ALREADY DISTURBED FOOTPRINT OR UNLESS APPROVED BY COUNCIL.

DRAWING NUMBERS:

- DRAWINGS ARE REFERRED TO BY THEIR UNIQUE THREE DIGIT REFERENCE E.G. 100
- 00#: GENERAL DRAWINGS
- 10#: PLANS
- 20#: SECTIONS
- 30#: DETAILS
- 40#: CHAINAGE

WHERE # CHANGES NUMERICALLY

SERVICES:

1) SERVICE LOCATIONS ON DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE ONLY.
2) THE CONTRACTOR SHALL APPLY FOR ALL SERVICE PLANS AND LOCATE ALL SERVICES PRIOR TO COMMENCEMENT OF ANY WORK.

ABBREVIATIONS:

1) mAHD – METRES AUSTRALIAN HEIGHT DATUM
2) RCC – REDLAND CITY COUNCIL
3) SOP – SETTING OUT POINT
4) HAT – HIGHEST ASTRONOMICAL TIDE
5) MHWS - MEAN HIGH WATER SPRINGS
6) MHWN - MEAN HIGH WATER NEAPS
7) MSL – MEAN SEA LEVEL
8) MLWS – MEAN LOW WATER SPRINGS
9) MLWN - MEAN LOW WATER NEAPS
10) LAT - LOWEST ASTRONOMICAL TIDE
11) DWG – DRAWING
12) AEP – ANNUAL EXCEEDANCE PROBABILITY

SETTING OUT AND DIMENSIONING:

1) ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2) ALL LEVELS ARE IN METRES TO AUSTRALIAN HEIGHT DATUM UNLESS NOTED OTHERWISE ON DRAWINGS.
3) THE ELECTRONIC MODEL OF THIS DRAWING IS NOT TO BE USED FOR SETTING OUT.
4) SURVEY INFORMATION FROM REDLAND CITY COUNCIL.
5) FOR PURPOSE OF CLARITY ON THE CONTRACT DRAWINGS, THE ORIGINAL SURVEY HAS BEEN GRAPHICALLY SIMPLIFIED. THE CONTRACTOR IS TO REVIEW THE RELEVANT SURVEY DOCUMENTS.
6) ALL SET-OUT DIMENSIONS MUST BE VERIFIED ON SITE USING APPROVED SURVEYING METHODS AND CALIBRATED INSTRUMENTS.
7) SURVEY BENCHMARKS AND TEMPORARY MARKERS SHOULD BE ESTABLISHED PRIOR TO COMMENCING WORK; THEIR POSITIONS MUST BE RECORDED TO IDENTIFY ANY DISCREPANCIES FROM THE DESIGN EARLY ON.
8) ALIGNMENT TOLERANCES FOR CONSTRUCTED FEATURES MUST ADHERE TO THE SPECIFIED VALUES - FOR INSTANCE, A VERTICAL PLACING TOLERANCE OF +/- 0.3 Dn50 HAS BEEN DEFINED.
9) WHERE NO TOLERANCES ARE PROVIDED, THE TOLERANCES REQUIRED BY THE RELEVANT AUSTRALIAN STANDARDS SHALL APPLY.
10) ANY DEVIATION BEYOND THE SPECIFIED TOLERANCES MUST BE CORRECTED AS A HOLD POINT BEFORE FURTHER CONSTRUCTION PROCEEDS.
11) SETTING OUT POINTS ARE PROVIDED RELATIVE TO MGA94 ZONE 56.

DESIGN CRITERIA:

1) THE STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED AS FOLLOWS:

- REVETMENT STABILITY WITH A DESIGN LIFE OF 50 YEARS, CONSTRUCTION IN YEAR 2026.
- ROCK SIZING IS FOR A 1 IN 500-YEAR ARI (0.2% AEP) DESIGN EVENT IN 2076.
- DOES NOT INCLUDE DREDGING BUT PARTIAL ROCK RELOCATION AND REMOVAL OF UNSUITABLE MATERIAL TO AN APPROVED WASTE DISPOSAL SITE.

TIDE INFORMATION (QSL TIDE TABLES 2026):

YEAR	2026	2076
HAT:	1.70m AHD	2.09m AHD
MHWS:	1.09m AHD	1.48m AHD
MHWN:	0.67m AHD	1.06m AHD
MSL:	0.07m AHD	0.46m AHD
MLWN:	-0.45m AHD	-0.06m AHD
MLWS:	-0.87m AHD	-0.48m AHD
MLWT:	-1.33m AHD	-0.94m AHD

EARTHWORKS:

1) EARTHWORKS TO BE TO AS3798, AND AS2870.
2) ALL GEOTECHNICAL UNCERTAINTY TO BE ASSESSED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
3) STOCKPILE ROCK ARMOUR FOR REUSE.
4) DO NOT STOCKPILE MATERIAL AGAINST RETAINING WALLS, FENCES, OR TREES ETC. DO NOT OBSTRUCT THE FREE FLOW OF WATER.
5) REFER TO GEOTECHNICAL REPORT PREPARED BY PDC GEOTECHNICAL - JOB REFERENCE PDC26-1009-001-0, 2026-04-09 - DATED 9th APRIL 2026.
6) CONTRACTOR TO BE AWARE OF CULTURAL HERITAGE VALUE OF SITE IN ACCORDANCE WITH THE ABORIGINAL CULTURAL HERITAGE ACT 2003 (QLD), WHERE APPLICABLE
7) PERMISSION FOR EXCAVATION WORKS SHALL BE GAINED FROM SUPERINTENDENT PRIOR TO WORK.
8) PROVIDE TEMPORARY SUPPORT TO EXCAVATED FACES WHEN REQUIRED.
9) FILL LAYERS SHOULD BE PLACED IN LIFTS NOT EXCEEDING 150mm, COMPACT EACH LIFT IN ACCORDANCE WITH AS 3798.
10) MOISTURE CONDITIONING AS NECESSARY TO ACHIEVE THE OPTIMUM MOISTURE CONTENT FOR COMPACTION.
11) NO BULK EXCAVATION IS PERMITTED OUTSIDE THE ALREADY DISTURBED FOOTPRINT. LOCALISED TRIMMING, REMOVAL OF UNSUITABLE MATERIAL, AND LEVELLING ASSOCIATED WITH SEAWALL CONSTRUCTION IS PERMITTED.
12) CLEARING OF RUBBISH, CONSTRUCTION WASTE, ORGANIC MATERIAL, VEGETATION, ROOTS, AND SUPERFICIAL ORGANIC SOILS IS ACCEPTABLE.
13) MATERIALS THAT ARE UNSUITABLE FOR REUSE MUST BE DISPOSED OF IN ACCORDANCE WITH STATUTORY REQUIREMENTS.
14) REASONABLE LEVELING OF THE WORK SURFACE USING FILL AND COMPACTION IS PERMITTED, PROVIDED ALL OPERATIONS CONFORM TO THE APPLICABLE AUSTRALIAN STANDARDS (e.g. AS 1141, AS 1289, AS 4678).
15) WHERE COMPACTION IS NOT FEASIBLE OR FAILS TO MEET THE SPECIFIED REQUIREMENT (e.g. NEAR THE TOP OF AN UNDERCUT ESCARPMENT), COMPACTION MUST BE PERFORMED TO THE SATISFACTION OF THE SUPERINTENDENT.
16) PROTECTION OF THE WORK IN PROGRESS AND/OR FINISHED WORK SURFACE IS ESSENTIAL; THE AREA MUST BE SAFEGUARDED FROM VEHICULAR TRAFFIC, ADVERSE WEATHER, AND EROSION, WITH RE-LEVELING CARRIED OUT AS NECESSARY.

GEOTEXTILE:

1) GEOTEXTILE FABRIC SHALL BE NON-WOVEN, NEEDLE PUNCHED, CONSISTING OF FILAMENTS OF POLYPROPYLENE, POLYESTER POLYAMIDE, POLYSEINYCHLORIDE, OR A COMBINATION OF THE ABOVE AND SHALL BE FORMED INTO A STABLE FABRIC. GEOTEXTILE USED SHALL BE TEXCEL 1200R OR EQUIVALENT APPROVED.
2) MATERIAL SHALL BE RESISTANT TO BACTERIA AND FUNGI AND SHALL BE UNAFFECTED WITHIN THE pH RANGE OF 4 - 10. IT SHALL BE RESISTANT TO ULTRAVIOLET LIGHT.
3) ONE OF THE FOLLOWING JOINTING PROCEDURES SHALL BE ADOPTED, UNLESS NOTED OTHERWISE.
   - 3)1) LAYING DOWN SLOPE WITH 1000mm MINIMUM OVERLAP BETWEEN ADJACENT WIDTHS.
   - 3)2) LAYING ACROSS THE SLOPE AND DOUBLE STITCHING THE JOINTS.
   - 3)3) LAYING ACROSS THE SLOPE WITH 1000mm OVERLAP (UPPERMOST LAYER OVER BOTTOM LAYER)
   - 3)4) LAYING ACROSS THE SLOPE AND HEAT BONDING THE JOINTS. CARE MUST BE TAKEN TO ENSURE THE FABRIC IS NOT MELTED THROUGH.
4) THE GEOTEXTILE LAYOUT AND LAPPING PLAN ARE SUBJECT TO APPROVAL AND MUST BE EXECUTED AS A WITNESS POINT.

ROCK:

1) ROCK SHALL BE FREE OF CONTAMINATION (TOPSOIL, TIMBER, ORGANIC MATTER, OR OTHER CONTAMINATION)
2) ROCK SIZE SHOULD BE MATCHED TO EXISTING PROFILE SIZING AT THE SITE WITH SUITABLE GRADING OF ROCK.
3) ROCK TYPE SHOULD BE MATCHED TO THE EXISTING TYPE AT THE SITE (TYPICALLY BASED ON THE SPECIFIC WEIGHT ON 2650kg/m³).
4) IF REQUIRED ROCK IS NOT AVAILABLE OR IS IN LIMITED SUPPLY: VARIATIONS TO THE SPECIFICATION FOR A HIGHER PERCENTAGE OF LARGER ROCK WILL BE CONSIDERED; AND HIGHER PERCENTAGES OF SMALLER ROCK WILL NOT BE ACCEPTABLE.
5) THE FOLLOWING TABLE HAS BEEN PROVIDED FOR THE MINIMUM SIZE/GRADING OF ROCK REQUIRED:

GRADING OF STONE BASED ON D75 WEIGHT

	D85	D70	D50	D15	D5
M (kg)	370	280	170	60	20
D (mm)	620	560	480	340	230

STONE SIZES BASED ON SPECIFIC WEIGHT OF 2650kg/m³. D85, D70, D15 ARE THE SIZES OF SIEVE OR SCREEN OPENINGS PASSING 85%, 70%, 15%, ETC OF THE MATERIAL BY WEIGHT. D50 IS THE AVERAGE SIZE.

'M' NOMINAL UNIT ARMOUR MASS (BASED ON 2650kg/m³).

'D' EQUIVALENT SPHERICAL DIAMETER. CONVERTED FROM D_{N50} (DESIGN USE) TO QUARRY USE.

7) ROCKS SMALLER THAN D5 OF THE SPECIFIED GRADATION SHALL NOT BE USED TO FILL INTERSTICES OR TO PROP LARGER STONES.
8) ARMOUR ROCK SHALL BE INDIVIDUALLY PLACED TO ACHIEVE INTERLOCK. DUMPING OR END-TIPPING IS NOT PERMITTED.
9) PROFILE MONITORING IS REQUIRED AT INTERVALS (EVERY 10 m, OR MORE FREQUENTLY IN AREAS WITH RAPID CHANGES) TO IDENTIFY AND RECTIFY ANY SETTLEMENT BEYOND ACCEPTABLE LIMITS (TO BE ADDRESSED WITHIN ONE MONTH POST-COMPLETION).
10) TRANSPORTATION AND STOCKPILING OF ARMOUR ROCKS MUST FOLLOW APPROVED HAULAGE ROUTES. HANDLING MUST PREVENT DAMAGE, AND STOCKPILES SHOULD BE LOCATED TO AVOID OBSTRUCTING NATURAL WATER FLOWS OR CONTRIBUTING TO SEDIMENT RUNOFF.

PROPRIETARY ITEMS

1) SPECIFIED ITEMS INDICATE AN ACCEPTABLE STANDARD FOR THIS WORK. SHOULD THE CONTRACTOR WISH TO USE AN ALTERNATIVE, IT MUST BE APPROVED BY THE SUPERINTENDENT PRIOR TO ORDERING.
2) ALL PROPRIETARY ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND SPECIFICATION.
3) ENGINEERED PROPRIETARY ITEMS TO BE SUPPLIED WITH ENGINEERING CERTIFICATES TO THE SATISFACTION OF THE SUPERINTENDENT PRIOR TO PURCHASE/ORDER.
4) SUPPLIER/ MANUFACTURER OF PROPRIETARY ITEMS TO BE MADE FULL AWARE OF LOAD CONDITIONS AND THE USE IN TIDAL, MARINE ENVIRONMENT BEFORE PURCHASE/ ORDER.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WNC-5419
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Queensland Government

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DESIGN AND TECHNICAL SERVICES
Redland CITY COUNCIL
Redlands coast

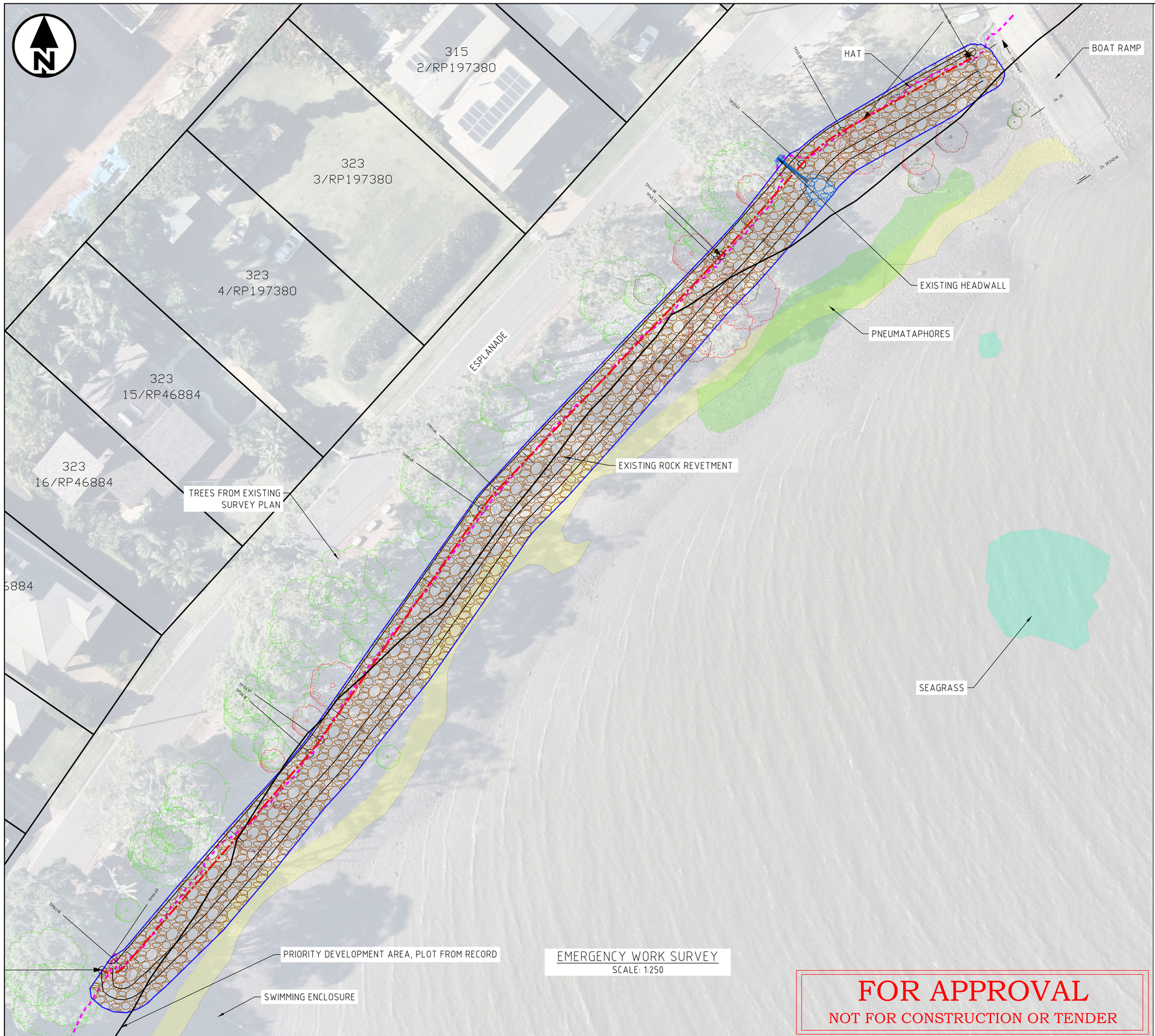
DATE 17/07/2023
SCALE
FILE# / RUN# PM001006
JOB # 44590
SURVEYOR JL/KA

SURVEY OF Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
FIELD BK N/A
HORIZ DATUM RCC
ORIGIN PSM PM183066
LEVEL BK N/A
VERT DATUM AHD
ORIGIN RL N/A

PROJECT: MOORES ROAD, REDLAND BAY FORESHORE PROTECTION DESIGN
TITLE: NOTES

DESIGN SERVICES DRG: 44692-2-002
REV: 3
PLAN: 2 OF 9
RCC DRG. No: RM053-14-002
SIZE: A1

DRAWING FILE LOCATION / NAME
N:\2026\Projects\2026s0161 - Redland City Council - FP Esplanade Redland Bay\1_WIP\C\Graphical\CAD\DR\RWN-JBAP-00-00-DR-C-002-S3-P02.dwg



EMERGENCY WORK SURVEY
SCALE: 1:250

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LEGEND

- HAT
- EXISTING STORMWATER
- TREE TO KEEP/TO BE REMOVED
- MARINE PLANT TO KEEP/TO BE REMOVED
- SEAGRASS
- PNEUMATAPHORES

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
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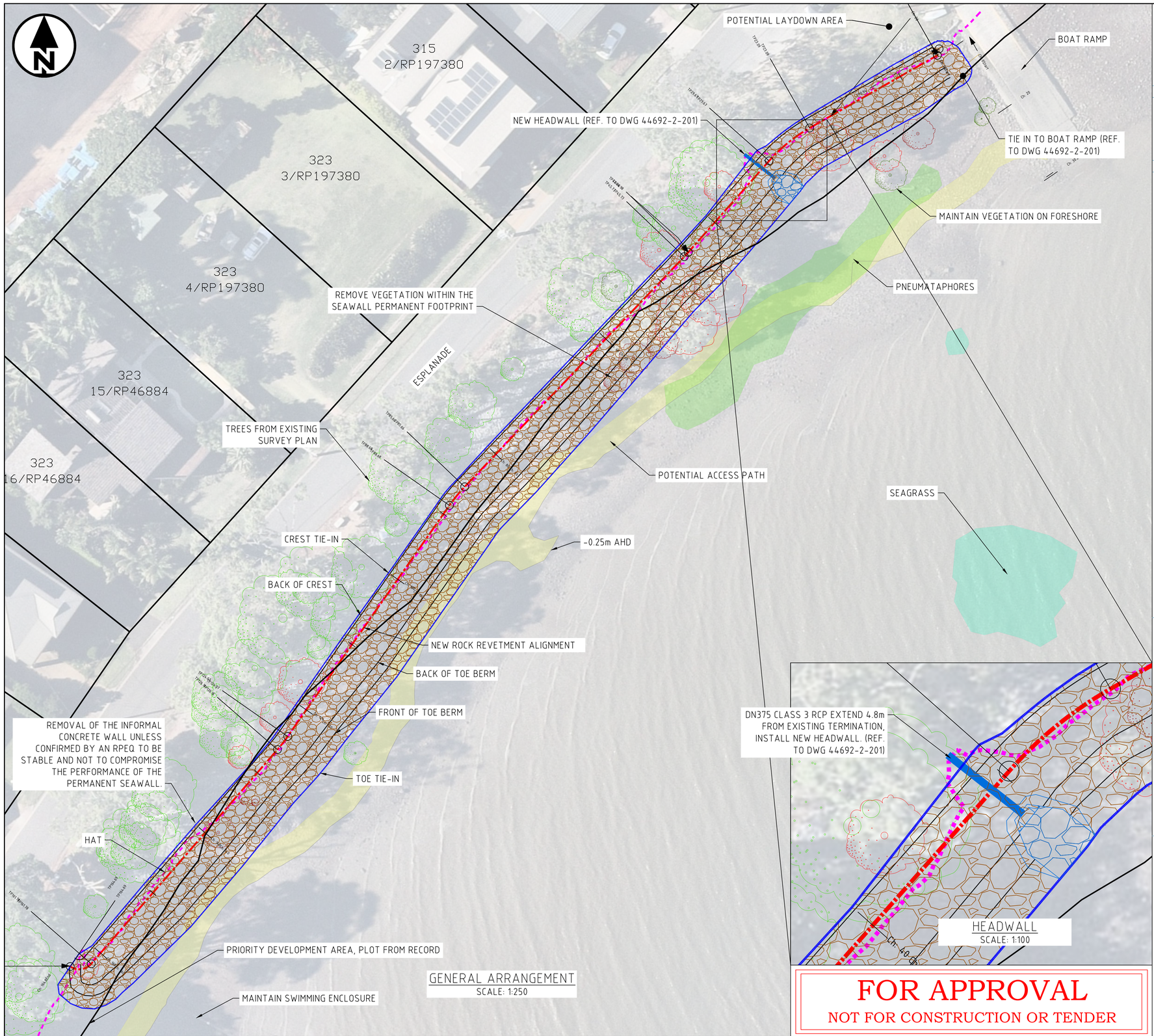
DESIGN AND TECHNICAL SERVICES
Redland CITY COUNCIL
Redlands coast

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SURVEYOR	J Eunson	ORIGIN PSM	PM108835
		LEVEL BK	Smartnet VRS
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PROJECT: MOORES ROAD, REDLAND BAY
FORESHORE PROTECTION DESIGN

TITLE: EMERGENCY WORKS SURVEY
MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG: 44692-2-003
REV: 3
PLAN: 3 OF 9
RCC DRG. No: RM053-14-003
SIZE: A1



CONSTRUCTION RISKS	PUBLIC RISKS	ENVIRONMENTAL RISKS
• WORKING IN A TIDAL ENVIRONMENT • MOVEMENT OF PLANT IN AND AROUND WATER • UNSTABLE FORESHORE BANK	• INTERACTION WITH RECREATIONAL VESSELS • PUBLIC INTERACTION WITH SITE TRAFFIC • UNAUTHORISED SITE ACCESS • WORKING NEAR PRIVATE PROPERTIES • DUST AND NOISE	• POLLUTION HAZARDS ASSOCIATED WITH WORKING NEAR THE SEA • RISK OF DAMAGE TO FLORA AND FAUNA

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING TAKE NOTE OF THE ABOVE. IT IS ASSUMED THAT ALL WORKS DETAILED ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROPRIATE METHOD STATEMENT.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

CONSTRAINTS

1. SILT CURTAINS: CONTINUOUS SILT CURTAIN ALONG ENTIRE WORK LENGTH; INSTALL PRIOR TO WORKS AND MAINTAIN.
2. NO DIGGING/EXCAVATION DUE TO SENSITIVE CULTURAL HERITAGE CONSTRAINTS: NO EXCAVATION OR REMOVAL OF SEABED OR MANGROVE ROOT ZONE UNLESS SPECIFICALLY APPROVED.
3. MANGROVES: EXISTING MANGROVES TO BE RETAINED AND PROTECTED; NO CLEARING OF MANGROVES; IDENTIFY AND MARK MANGROVE EXTENT ON SITE PLANS.
4. SITE STOCKPILING: ON-SITE STOCKPILES LIMITED TO 1–2 DAYS OF PLACEMENT; USE OFF-SITE DEPOT AND JUST-IN-TIME (JIT) DELIVERIES.
5. MATERIAL APPROVALS: CONTRACTOR TO SUBMIT QUARRY ROCK GRADINGS AND DURABILITY DATA FOR APPROVAL; ACCEPT PRACTICAL ALTERNATIVE GRADINGS WHERE ORIGINAL SPEC IS UNOBTAINABLE.
6. ROCK DELIVERY & HANDLING: ROCK DELIVERED TO DEPOT THEN JIT TO SITE; ENSURE PLANT ACCESS AND STORAGE ALLOWANCES SHOWN ON PLAN.
7. ACCESS RESTRICTIONS: ALL SITE ACCESS AND MATERIAL DELIVERY VIA BOAT RAMP ONLY; SWIMMING ENCLOSURE ACCESS PROHIBITED.
8. TEMPORARY ACCESS TRACK: TEMPORARY ACCESS TRACK THROUGH ROCK ARMOUR MAY BE REQUIRED BUT TO BE LOCATED/DETAILED TO AVOID OBSTRUCTION OF WORKS.
9. MACHINE WORKING ZONE: PROVIDE PERMANENT-WORKS MACHINERY ACCESS ZONE IN FRONT OF TOE; MARK APPROX. 5–10 M OFFSET IN FRONT OF STRUCTURE FOR PLANT MOVEMENT AND MARINE PLANT SURVEY.
10. PLANT & ATTACHMENTS: TYPICAL PLANT ~5 T POSI-TRACK; ALLOW FOR HYDRAULIC GRAB/GRAPPLE ATTACHMENTS FOR INDIVIDUAL ROCK PLACEMENT AND REPOSITIONING.
11. TRAFFIC MANAGEMENT: FULL-TIME TRAFFIC CONTROL REQUIRED; TRAFFIC CONTROLLERS AT BOTH ENDS OF WORK AREA; SHOW TRAFFIC CONTROL ZONES ON DRAWING.
12. TIDAL WORKING CONSTRAINTS: TOE AREA SUBMERGED AT MID/HIGH TIDES — WORKS ARE TIDE-DEPENDENT; DAILY WORKING WINDOWS LIMITED TO LOW TIDE; PROGRAM AND PRODUCTIVITY ASSUMPTIONS MUST USE TIDAL CHARTS.
13. PRODUCTIVITY & PROGRAMME: ALLOW REDUCED PRODUCTIVITY FOR TIDAL CONSTRAINTS AND RESTRICTED ACCESS; USE EMERGENCY WORKS DURATION (~3 MONTHS) FOR ORDER OF MAGNITUDE PLANNING; CONTRACTOR TO PROVIDE DETAILED PROGRAMME.
14. ENVIRONMENTAL MONITORING & COMPLAINTS: RESIDENT COMPLAINT RESPONSE PROCESS, REGULAR MONITORING (DUST, NOISE, WATER QUALITY) AND MITIGATION MEASURES TO BE INCLUDED IN THE EMP AND COSTINGS.
15. ROCK PLACEMENT METHOD: USE PICK-AND-PLACE WITH HYDRAULIC GRAB/GRAPPLE FOR ALL ROCK PLACEMENT; END-DUMPING OR BULLDOZING PROHIBITED UNLESS APPROVED.

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LEGEND

- HAT
- ALIGNMENT
- DISTURBANCE EXTENT
- SEAWALL
- STORMWATER SCOUR PROTECTION
- STORMWATER HEADWALL
- TREE TO KEEP/TO BE REMOVED
- MARINE PLANT TO KEEP/TO BE REMOVED
- SEAGRASS
- PNEUMATAPHORES
- POTENTIAL ACCESS PATH

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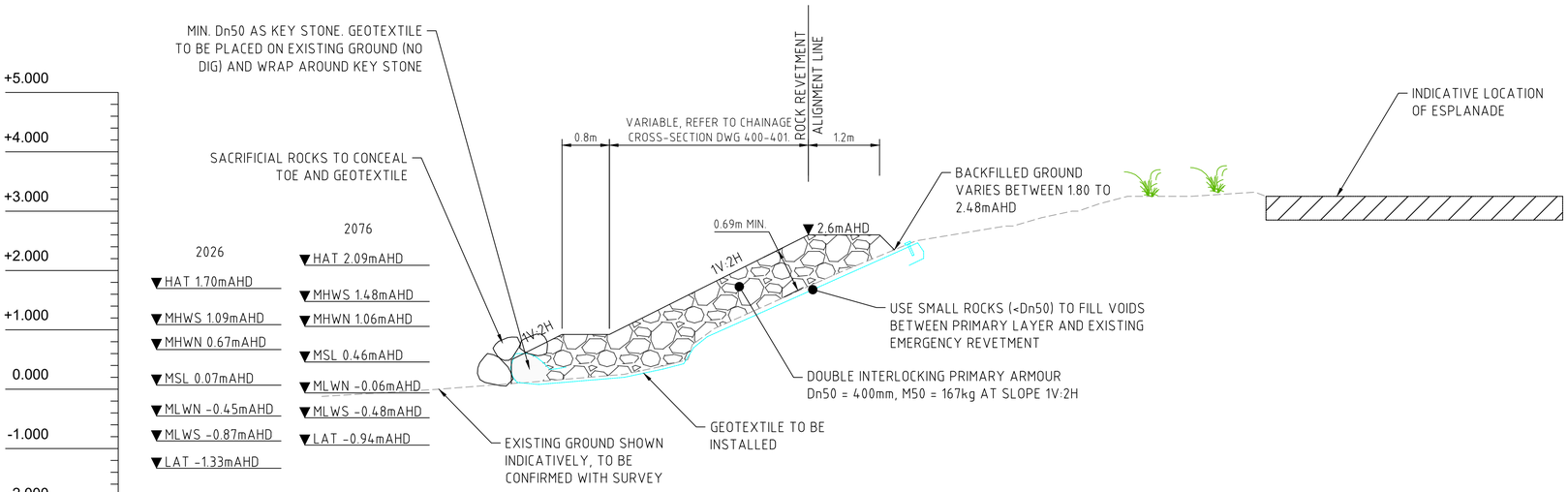
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JOB #	44692
SURVEYOR	J Eunson
SURVEY OF	Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
FIELD BK	Smartnet VRS
HORIZ DATUM	MGA 94
ORIGIN PSM	PM108835
LEVEL BK	Smartnet VRS
VERT DATUM	AHD
ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY
FORESHORE PROTECTION DESIGN

TITLE: GENERAL ARRANGEMENT, HAZARD AND CONSTRAINTS
MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG: 44692-2-100
REV: 3
PLAN: 4 OF 9
RCC DRG. No: RM053-14-100
SIZE: A1



TYPICAL SECTION
SCALE :1:50

GENERAL NOTES

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PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV-2026-WNC-5419
Date: 11 November 2026
Queensland Government

AMENDED IN RED
By: Tiana Hill
Date: 5/11/2026
Queensland Government

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FOR APPROVAL
NOT FOR CONSTRUCTION OR TENDER

0 1 2 3 4m
SCALE IN METRES (1:50 BEFORE REDUCTION)

REV.	DATE	DESCRIPTION	DRN	DSN	CHK	APR
3	23/10/26	FOR APPROVAL	MVM	MVM	BL	DR
2	28/07/26	FOR APPROVAL	MVM	MVM	BL	-
1	10/04/26	FOR APPROVAL	MVM	MVM	BL	-

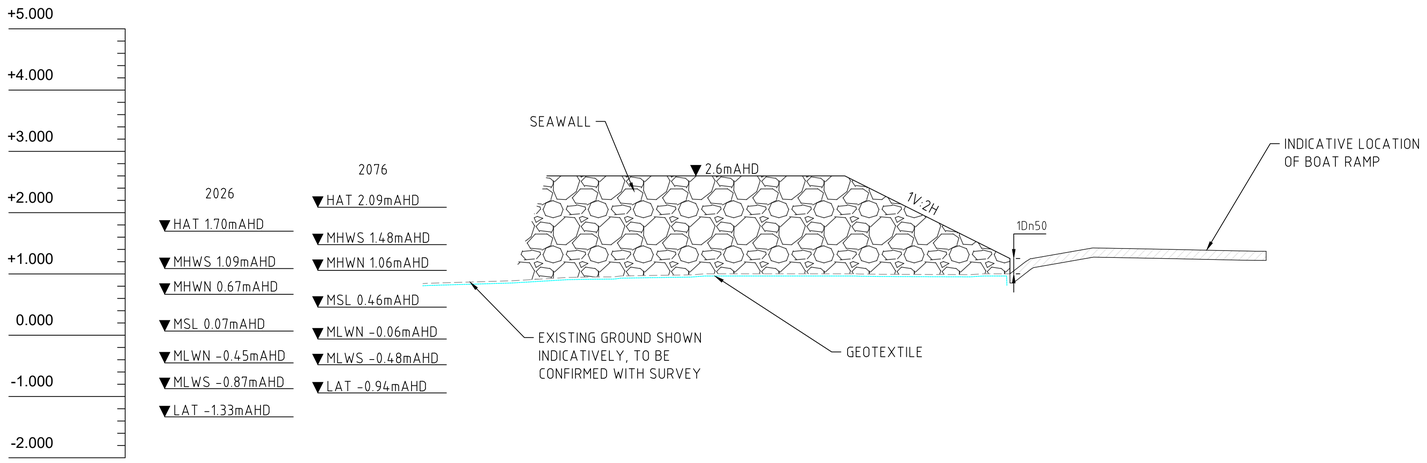
DESIGN AND TECHNICAL SERVICES
Redland CITY COUNCIL
Redlands coast

DATE	10/10/2025
SCALE	1:1000 @ A3
FILE# / RUN#	RE042007_
JOB #	44692
SURVEYOR	J Eunson

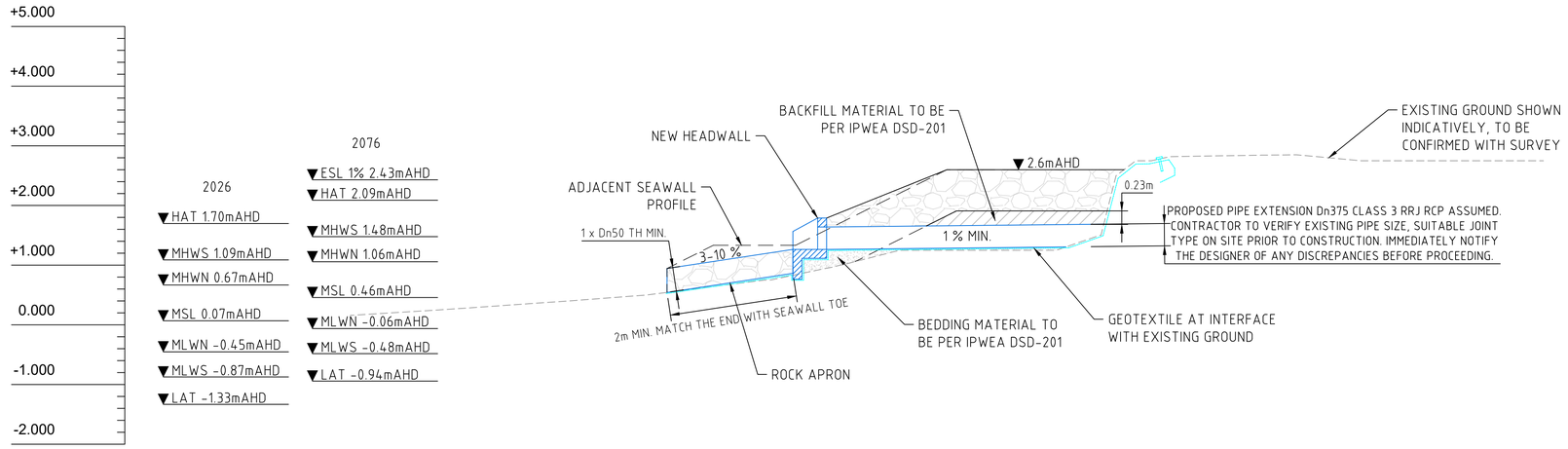
SURVEY OF Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
FIELD BK Smartnet VRS
HORIZ DATUM MGA 94
ORIGIN PSM PM108835
LEVEL BK Smartnet VRS
VERT DATUM AHD
ORIGIN RL 4.403

PROJECT: MOORES ROAD, REDLAND BAY FORESHORE PROTECTION DESIGN
TITLE: TYPICAL SECTIONS MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG: 44692-2-200
REV: 3
PLAN: 5 OF 9
RCC DRG. No: RM053-14-200
SIZE: A1



TYPICAL TIE-IN DETAIL
SCALE :1:50



STORMWATER SECTION
SCALE :1:50

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SCALE IN METRES (1:50 BEFORE REDUCTION)

REV.	DATE	DESCRIPTION	DRN	DSN	CHK	APR
2	23/10/26	FOR APPROVAL	MVM	MVM	BL	DR
1	28/07/26	FOR APPROVAL	MVM	MVM	BL	-

DESIGN AND TECHNICAL SERVICES
Redland CITY COUNCIL
Redlands coast

DATE	10/10/2025
SCALE	1:1000 @ A3
FILE# / RUN#	RE042007_
JOB #	44692
SURVEYOR	J Eunson

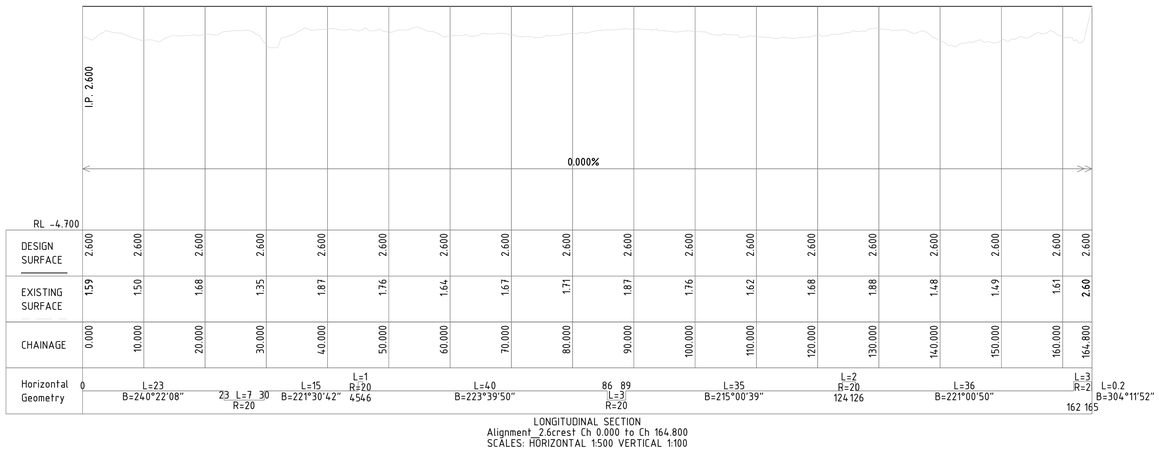
SURVEY OF: Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x

FIELD BK	Smartnet VRS	LEVEL BK	Smartnet VRS
HORIZ DATUM	MGA 94	VERT DATUM	AHD
ORIGIN PSM	PM108835	ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY
FORESHORE PROTECTION DESIGN

TITLE: DETAILS
MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG: 44692-2-201
REV: 3
PLAN: 6 OF 9
RCC DRG. No: RM053-14-201
SIZE: A1



LONGITUDINAL SECTION
Alignment_2.6crest Ch 0.000 to Ch 164.800
SCALES: HORIZONTAL 1:500 VERTICAL 1:100

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2	28/07/26	FOR APPROVAL	MVM	MVM	BL	-

DESIGN AND TECHNICAL SERVICES

Redland CITY COUNCIL

Redlands coast

DATE	10/10/2025
SCALE	-
FILE# / RUN#	RE042007_4
JOB #	44692
SURVEYOR	J Eunson
SURVEY OF	Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
FIELD BK	Smartnet VRS
HORIZ DATUM	MGA 94
ORIGIN PSM	PM108835
LEVEL BK	Smartnet VRS
VERT DATUM	AHD
ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY FORESHORE PROTECTION DESIGN

TITLE: LONGITUDINAL SECTION MOORES ROAD, REDLAND BAY

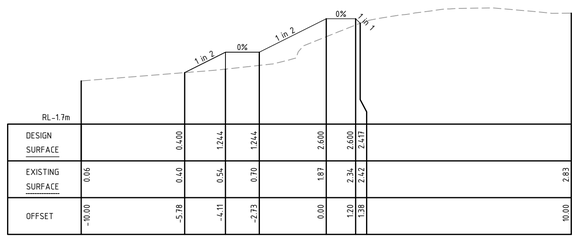
DESIGN SERVICES DRG: 44692-2-300

REV: 3

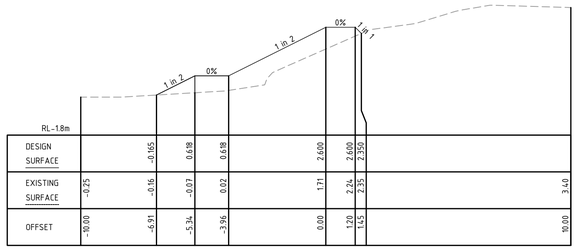
PLAN: 7 OF 9

RCC DRG. No: RM053-14-300

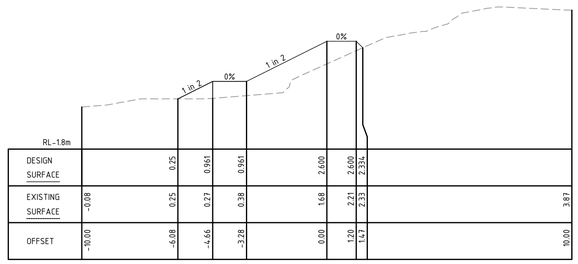
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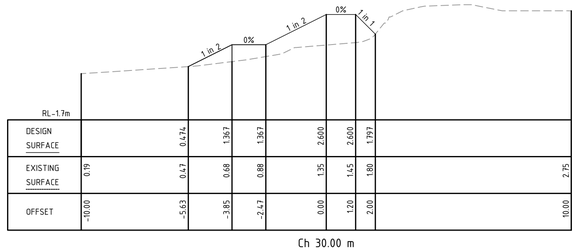
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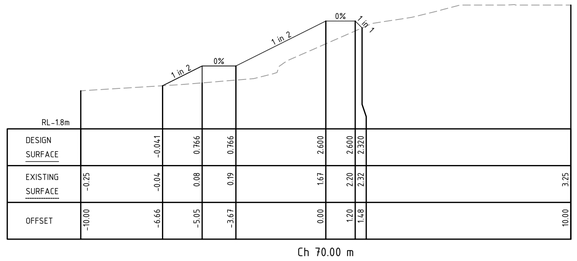
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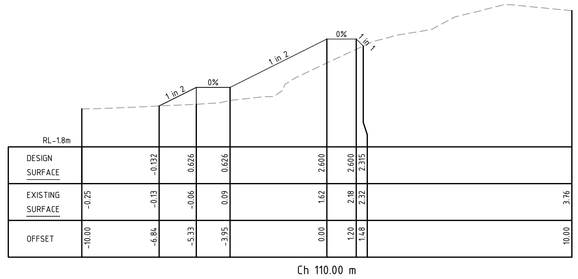
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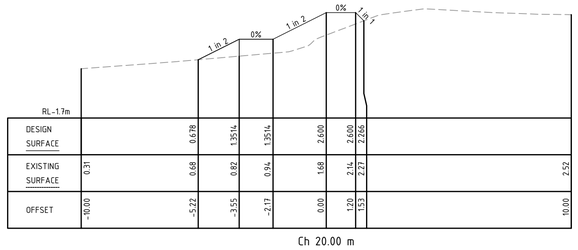
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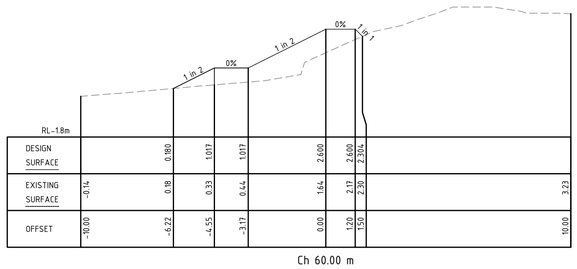
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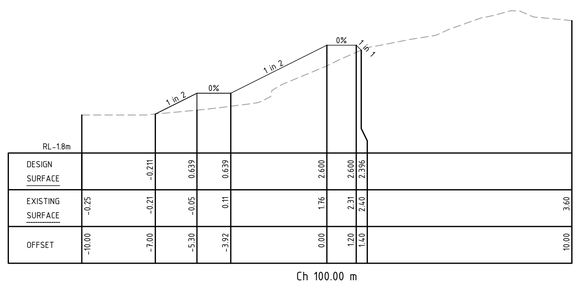
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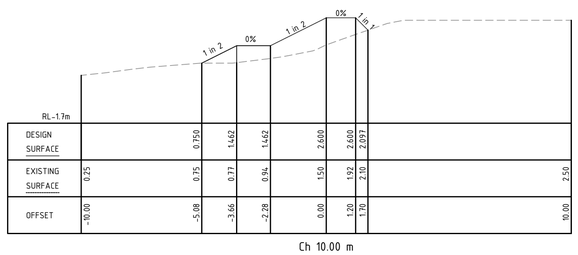
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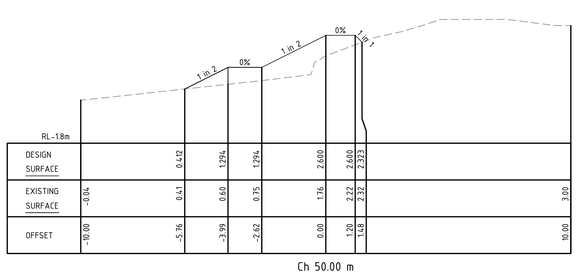
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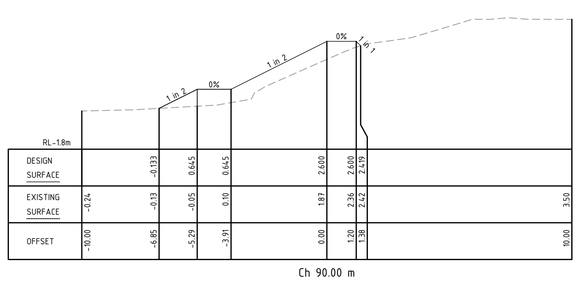
Ch 100.00 m



Ch 10.00 m



Ch 50.00 m



Ch 90.00 m

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3	23/10/26	FOR APPROVAL	MVM	MVM	BL	DR
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1	10/04/26	FOR APPROVAL	MVM	MVM	BL	-

DESIGN AND TECHNICAL SERVICES

Redland CITY COUNCIL

Redlands coast

DATE	10/10/2025	SURVEY OF	Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
SCALE	-		
FILE# / RUN#	RE042007_4	FIELD BK	Smartnet VRS
JOB #	44692	HORIZ DATUM	MGA 94
SURVEYOR	J Eunson	ORIGIN PSM	PM108835
		LEVEL BK	Smartnet VRS
		VERT DATUM	AHDD
		ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY FORESHORE PROTECTION DESIGN

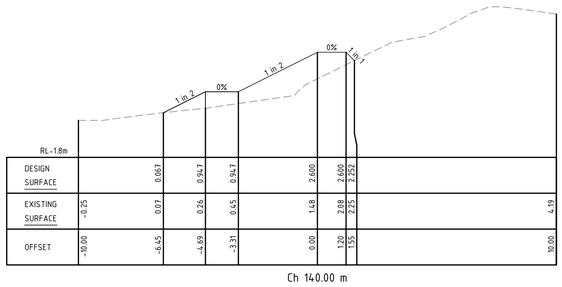
TITLE: CHAINAGE XS 1/2 MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG: 44692-2-400 REV: 3

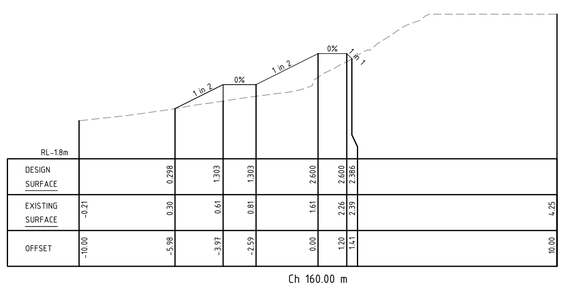
PLAN: 8 OF 9

RCC DRG. No: RM053-14-400

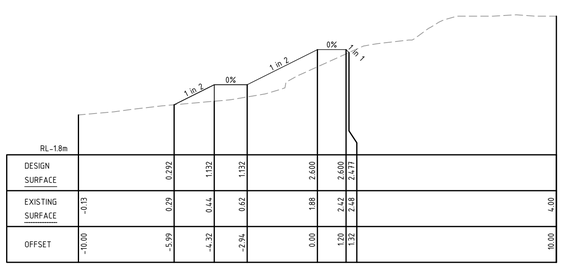
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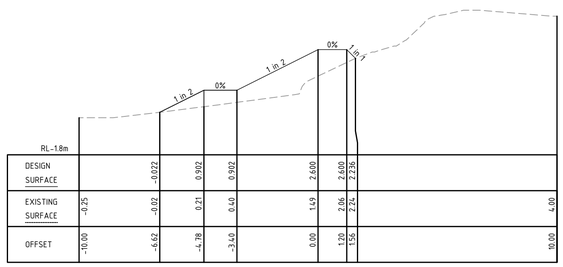
Ch 140.00 m



Ch 160.00 m



Ch 130.00 m



Ch 150.00 m

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DESIGN AND TECHNICAL SERVICES

Redland CITY COUNCIL

Redlands coast

DATE	10/10/2025	SURVEY OF	Esplanade/Moores Rd, Redland Bay Combined RE042007_3 & RE042007_3x
SCALE	-		
FILE# / RUN#	RE042007_4	FIELD BK	Smartnet VRS
JOB #	44692	HORIZ DATUM	MGA 94
SURVEYOR	J Eunson	ORIGIN PSM	PM108835
		LEVEL BK	Smartnet VRS
		VERT DATUM	AHD
		ORIGIN RL	4.403

PROJECT: MOORES ROAD, REDLAND BAY FORESHORE PROTECTION DESIGN

TITLE: CHAINAGE XS 2/2 MOORES ROAD, REDLAND BAY

DESIGN SERVICES DRG:	REV:
44692-2-401	3
PLAN: 9 OF 9	RCC DRG. No: RM053-14-401
	SIZE: A1