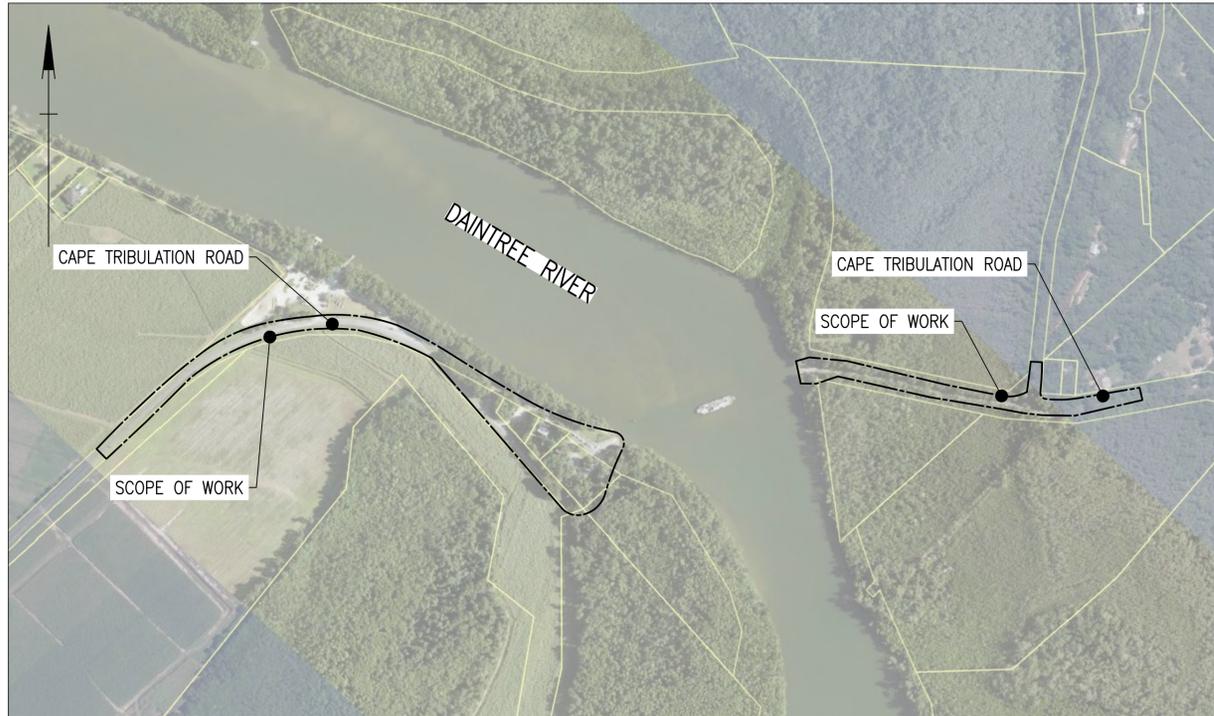


# DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE



LOCALITY PLAN (IMAGE SOURCE: QLD GLOBE)

## CIVIL DRAWING INDEX

Drawing Number	Revision	Date	Series Number	Drawing Description
25019-HEG-C01-DI-01	C	18/12/2025	DI-01	DRAWING INDEX AND LOCALITY PLAN
25019-HEG-C02-GN-01	C	18/12/2025	GN-01	GENERAL NOTES AND LEGEND - SHEET 1 / 2
25019-HEG-C02-GN-02	C	18/12/2025	GN-02	GENERAL NOTES AND LEGEND - SHEET 2 / 2
25019-HEG-C03-TS-01	C	18/12/2025	TS-01	TYPICAL CROSS SECTIONS - SHEET 1 / 3
25019-HEG-C03-TS-02	C	18/12/2025	TS-02	TYPICAL CROSS SECTIONS - SHEET 2 / 3
25019-HEG-C03-TS-03	A	18/12/2025	TS-03	TYPICAL CROSS SECTIONS - SHEET 3 / 3
25019-HEG-C04-GA-01	C	18/12/2025	GA-01	GENERAL ARRANGEMENT - SHEET 1 / 4
25019-HEG-C04-GA-02	C	18/12/2025	GA-02	GENERAL ARRANGEMENT - SHEET 2 / 4
25019-HEG-C04-GA-03	C	18/12/2025	GA-03	GENERAL ARRANGEMENT - SHEET 3 / 4
25019-HEG-C04-GA-04	C	18/12/2025	GA-04	GENERAL ARRANGEMENT - SHEET 4 / 4
25019-HEG-C04-GA-05	B	18/12/2025	GA-05	CONTROL LINE SETOUT TABLES - SHEET 1 / 1
25019-HEG-C04-GA-06	A	18/12/2025	GA-06	MCO3 & MCO4 LONG SECTIONS SHEET 1 / 1
25019-HEG-C05-EF-01	C	18/12/2025	EF-01	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 1 / 4
25019-HEG-C05-EF-02	C	18/12/2025	EF-02	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 2 / 4
25019-HEG-C05-EF-03	C	18/12/2025	EF-03	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 3 / 4
25019-HEG-C05-EF-04	C	18/12/2025	EF-04	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 4 / 4
25019-HEG-C06-DD-01	B	18/12/2025	DD-01	DRAINAGE CROSS SECTIONS AND DETAILS - SHEET 1 / 3
25019-HEG-C06-DD-02	B	18/12/2025	DD-02	DRAINAGE CROSS SECTIONS AND DETAILS - SHEET 2 / 3
25019-HEG-C06-DD-03	A	18/12/2025	DD-03	DRAINAGE CROSS SECTIONS AND DETAILS - SHEET 3 / 3
25019-HEG-C07-PD-01	B	18/12/2025	PD-01	PAVEMENT AND CONSTRUCTION SETOUT SHEET 1 / 4
25019-HEG-C07-PD-02	B	18/12/2025	PD-02	PAVEMENT AND CONSTRUCTION SETOUT SHEET 2 / 4
25019-HEG-C07-PD-03	B	18/12/2025	PD-03	PAVEMENT AND CONSTRUCTION SETOUT SHEET 3 / 4
25019-HEG-C07-PD-04	B	18/12/2025	PD-04	PAVEMENT AND CONSTRUCTION SETOUT SHEET 4 / 4
25019-HEG-C08-SL-01	B	18/12/2025	SL-01	SIGNS AND LINEMARKING LAYOUT - SHEET 1 / 4
25019-HEG-C08-SL-02	B	18/12/2025	SL-02	SIGNS AND LINEMARKING LAYOUT - SHEET 2 / 4
25019-HEG-C08-SL-03	B	18/12/2025	SL-03	SIGNS AND LINEMARKING LAYOUT - SHEET 3 / 4
25019-HEG-C08-SL-04	B	18/12/2025	SL-04	SIGNS AND LINEMARKING LAYOUT - SHEET 4 / 4
25019-HEG-C08-SL-05	B	18/12/2025	SL-05	SIGNAGE SCHEDULE - SHEET 1 / 3
25019-HEG-C08-SL-06	B	18/12/2025	SL-06	SIGNAGE SCHEDULE - SHEET 2 / 3
25019-HEG-C08-SL-07	A	18/12/2025	SL-07	SIGNAGE SCHEDULE - SHEET 3 / 3

TOTAL NUMBER OF CIVIL DRAWINGS = 30

## STRUCTURAL DRAWING INDEX

Drawing Number	Revision	Date	Series Number	Drawing Description
25019-HEG-S01-SN-01	B	18/12/2025	SN-01	STRUCTURAL NOTES - SHEET 1 / 2
25019-HEG-S01-SN-02	B	18/12/2025	SN-02	STRUCTURAL NOTES - SHEET 2 / 2
25019-HEG-S02-PI-01	B	18/12/2025	PI-01	PILE SCHEDULE AND DETAILS - SHEET 1 / 1
25019-HEG-S03-RA-01	B	18/12/2025	RA-01	RAMP LAYOUT PLAN - SHEET 1 / 2
25019-HEG-S03-RA-02	B	18/12/2025	RA-02	RAMP PLANK DETAILS - SHEET 2 / 2
25019-HEG-S04-PS-01	B	18/12/2025	PS-01	PEDESTRIAN SHELTER PLAN - SHEET 1 / 1
25019-HEG-S05-MI-01	B	18/12/2025	TB-01	TICKET BOOTH SLAB PLAN
25019-HEG-S05-MI-02	B	18/12/2025	AF-01	ANCHOR FOOTING DETAILS

TOTAL NUMBER OF STRUCTURAL DRAWINGS = 8

## CIVIL ANNOTATIVE CROSS SECTION INDEX

Drawing Number	Revision	Date	Series Number	Drawing Description
25019-HEG-C08-XS-01 to 25019-HEG-C08-XS-70	B	18/12/2025	XS-01 to XS-70	ANNOTATIVE CROSS SECTION - SHEET 1 to SHEET 70

TOTAL NUMBER OF ANNOTATIVE CROSS SECTIONS = 70

TOTAL NUMBER OF DRAWINGS = 108

C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
Rev	Description	By	Appd	Date
AMENDMENTS				



Scales  
NTS

Client: DURACK CIVIL  
Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
Drawing Title: DRAWING INDEX AND LOCALITY PLAN



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEO No.	

**DETAILED DESIGN**  
Job Number: 25019  
Drawing Number: 25019-HEG-C01-DI-01  
Revision: C

**GENERAL NOTES**

- The site has been set out using:
  - RPS survey 405566-2, dated 20 May 2021 (land survey).
  - RPS survey PTD372854-1, dated 16 October 2024 (river survey).
  - BRZ survey 25066\_daintree Ferry\_Extra Survey, dated August 2025 (additional land survey).
  - Cultural Heritage survey, dated 20 November 2025 (additional land survey).
  - Where detailed survey extents did not cover the design extents, LIDAR survey (2010) was used.
- The survey and design coordinates are in GDA2020, MGA Zone 55 (GNSS coordinate system) and levels are referenced to the mAHD datum.
- Care should be taken for any survey or design levels in reference to the Daintree River including RPS survey PTD372854-1, which are referenced to LAT datum.
- Background aerial imagery is from the below sources and are shown for information purposes only:
  - Esri Maps – AutoCAD 2025 MGA/20c-55 and GDA2020-C.
  - Queensland Globe.
- Chainages shown are based on the MC01 to MC09 design control lines.
- All dimensions are in metres (m) unless noted otherwise (U.N.O).
- A detailed digital 12D design model is available for the contractors information and can be provided upon request.

**FNQROC SPECIFICATIONS AND STANDARD DRAWINGS NOTES**

- The project shall adopt Far North Queensland Regional Organisation of Councils (FNQROC) Specifications and Standard drawings as listed below and referenced throughout these notes and drawings:
  - Specifications:
    - S1 – Earthworks
    - S2 – Road pavements
    - S4 – Stormwater drainage
    - S5 – Water reticulation
    - S7 – Concrete works
    - S8 – Landscaping
    - S9 – Natural Area Restoration
  - Standard drawings:
    - S1000 – Concrete kerb and channel
    - S1010 – Public utilities on road verges
    - S1011 – Road crossing and footpath reinstatement for trench laid services
    - S1027 – Security fencing
    - S1035 – Pathways / bikeways
    - S1040 – Street name sign
    - S1041 – Traffic control devices
    - S1046 – Excavation, bedding and backfilling of concrete pipes
    - S1075 – Concrete pipe headwall 375 mm to 675 mm
    - S1085 – Concrete pipe headwall, wingwalls and apron
- These FNQROC specifications also refer to the Department of Transport and Main Roads (TMR) Main Road Technical Specifications (MRTS) as listed below and referenced throughout these notes and drawings:
  - MRTS03 – Drainage, retaining structures and protective treatments
  - MRTS04 – General earthworks
  - MRTS05 – Unbound pavements
  - MRTS11 – Sprayed bitumen surfacing (excluding emulsions)
  - MRTS14 – Road furniture
  - MRTS17 – Bitumen
  - MRTS19 – Bitumen cutter and flux oils
  - MRTS20 – Cutback bitumen
  - MRTS22 – Supply of cover aggregate
  - MRTS45 – Road surface delineation
- These FNQROC specifications also refer to a suite of Australian Standards.
- FNQROC specifications and standard drawings shall take precedence over all other referenced specifications. In the instance the specification required is not in the FNQROC specifications or standard drawings, MRTS shall be used. A Request For Information (RFI) to the designer shall be made to confirm adoption of the relevant MRTS specification.

**UTILITY NOTES**

- Utilities shown on these plans are based Before You Dig Australia (BYDA), Douglas Shire Council (DSC) records, other GIS sources and limited detailed survey data, which is inaccurate and does not cover the entire site.
- Potholing of Telstra services within the project footprint was undertaken and is shown in BRZ survey (August 2025), with additional Telstra pits located in the Cultural Heritage survey (20 November 2025).
- Telecommunications, water and power utilities were also surveyed within the project foot print in RPS survey (20 May 2021).
- The contractor shall positively identify all existing utilities on site and protect them during construction.
- It is understood there are no existing sewer mains within the project site. The toilets at the Ferry House and 3 x public toilets use septic tanks.
- Available survey, BYDA and GIS utility survey is shown on the existing features plans, refer to EF series.
- Electrical utilities are shown on the electrical drawings, refer to RCC's drawings.
- No construction works are to be undertaken within 3.0 m of any utility without prior consultation and approval from the relevant authority.
- All utility trenching through roads shall be reinstated as per FNQROC S1011, modified to suit Pavement Type 2.

**UTILITY NOTES CONT.**

- All utility trenching should be undertaken prior to pavement and footpath construction and sealing to achieve a neat and tidy finished surface throughout the project

**EXISTING FEATURES AND DEMOLITION NOTES**

- All existing pavement, culvert headwalls, redundant concrete slabs / foundations and landscaping etc. that are not required as part of the permanent works shall be neatly removed to the extents necessary to complete construction and tie the design into existing. Refer to EF series.
- Existing bolted on rubber speed bumps and kerb shall be removed from the existing pavement neatly to reveal the existing pavement. The existing pavement shall be inspected for suitability for re-use and tidied up to remove all debris, bolts and loose stones. In the instance the existing pavement is unsealed beneath these devices, a prime shall be placed prior to the existing pavement resal.

**GENERAL CIVIL WORKS NOTES**

- Civil works shall be undertaken in accordance with the FNQROC Specifications and Standard Drawings.
- The Contractor is to ensure appropriate environmental permits are in place and they are familiar with the Cultural Heritage requirements prior to clearing.
- Clearing, grubbing, and excavation shall include the removal of existing topsoil, concrete, seals, and deleterious material to their full depth to the locations shown on the EF series.
- The contractor is to tie in all the earthworks neatly with the existing surface. Finished surface rock fill is to tie in with surrounding levels smoothly.
- The design subgrade is based on Geotechnical Investigations completed by Geo Design (10 January 2023) and ETS Geo (14 August 2025). Limited tests were taken at the existing traffic lanes, shoulders or pavement due to the existing pavement being heavily bound.
- The contractor shall submit their proposed construction and material testing frequencies and QA processes to the designer prior to commencement of construction for their review and approval. As a minimum, these shall be in accordance with FNQROC S1, S2, S4 and S7.

**PAVEMENT AND SEAL NOTES**

- Based on the existing pavement, traffic loading and the site being frequently and significantly inundated, Pavement Type 1 has been proposed, which includes a heavily bound base and unbound granular subbase to match existing pavement, with an unsuitable subgrade treatment based on the insitu site conditions. Refer to the pavement details.
- An assumed pavement design subgrade CBR of 3% has been adopted.
- A neat saw-cut face shall be constructed at all new pavement tie-in locations with existing pavements with a stepped pavement profile as shown on the TS series to ensure adequate compaction. The saw-cut shall extend into sound, uncontaminated pavement.
- In the instance an existing pavement stepped face cannot be achieved as shown on the TS series, a 1:1 pavement batter shall be constructed such that the existing and new pavement profile can be compacted at the pavement join.
- All new pavements shall tie in neatly to existing pavements both transversely and longitudinally at tie in locations.
- Where the pavement widening required is less than a standard constructible width for new pavement, the pavement saw-cut shall be shifted to suit the standard constructible width required for plant to place and compact the pavement.
- After removal of existing culverts and installation of new culverts, the Contractor shall assess the resulting level difference between the top of culvert and pavement finished surface level to confirm the required pavement and fill depth either side and over the culvert. The contractor shall fill to subgrade either side of the culvert (if required), to allow suitable placement and compaction of the pavement layers over the culvert.
- The unsuitable subgrade treatment shall be placed beneath culverts and is therefore not required at pavement subgrade over the culvert (refer to unsuitable subgrade treatment notes below).
- Spray seal rates shown on drawings are indicative only and provided for estimating purposes. The Contractor is responsible for the final seal design based on prevailing site conditions and aggregate properties at the time of construction.
- A prime must cure for 3 days before application of the final seal, in accordance with MRTS11.
- The concrete footpath shall be constructed as per FNQROC S1035, as per the concrete jointing requirements shown on this standard drawing.

**UNSUITABLE SUBGRADE TREATMENT NOTES**

- An unsuitable subgrade treatment is shown on the pavement details, which specifies a geofabric wrapped rock fill due to the frequent inundation and proximity to the Daintree River resulting in construction under wet conditions.
- In the instance existing rock is exposed at subgrade level, the rock fill can be omitted. However, the proposed geotextile shall be placed to prevent granular material loss into existing rock voids and to ensure adequate pavement compaction.
- Geotextile shall comply with MRTS27 Geotextiles (Separation and Filtration):
  - Strength Class C.
  - Filtration Class VI.
- The unsuitable subgrade treatment depth has been specified as 300 mm based on the geotechnical investigation findings. If mechanical interlock with no movement under a proof roll is not achieved at the top of this 300 mm rock layer, the treatment will need to be removed and deepened to achieve mechanical interlock to ensure no movement prior to placement of the pavement subbase.
- The unsuitable subgrade treatment has been shown directly beneath the pavement subbase in the pavement details. However, as shown on the TS series, in instances where the pavement is in fill, the unsuitable subgrade treatment shall be placed on the existing stripped surface prior to filling with embankment fill to pavement subbase.

**UNSUITABLE SUBGRADE TREATMENT NOTES CONT.**

- It is noted, due to the limitations of the 12D modelling, that the unsuitable subgrade treatment has been modelled throughout the project as per the pavement details (beneath subbase). Therefore, in areas of fill, the annotated cross sections still show the unsuitable subgrade treatment beneath subbase rather than at existing stripped surface. In these instances, the Contractor shall install the unsuitable subgrade treatment on the existing stripped surface prior to filling with embankment fill to pavement subbase, as per Note 5 above and as shown on the TS series.
- Rock fill shall consist of sound igneous, metamorphic or sedimentary rock or combination of these rock groups that will not disintegrate in water or when exposed to the weather. Rock fill shall be free from overburden, shale, clayey materials and organic matter. Rock shall be angular in shape and the least dimension of the rock shall not be less than half its greatest dimension.
- The thickness of the rock shall be 2x d50 rock size.
- All utility trenching should be undertaken prior to pavement and footpath construction and sealing to achieve a neat and tidy finished surface throughout the project

**DRAINAGE NOTES**

- Drainage works shall be in accordance with the FNQROC Specifications and Standard Drawings.
- Refer to FNQROC S4, S1046, S1078 and S1085 for the installation, bedding and backfilling to drainage pipes.
- Concrete headwalls for pipes < 675 mm dia. can be installed as per FNQROC S1075. All larger pipes shall be as per TMR SD1304.
- Proposed pre-cast headwalls, aprons and wingwalls should be confirmed with the designer.
- Type H2S support using embankment installation for multiple concrete pipes shall be adopted as per S1046.
- The contractor is to consider construction loadings on all drainage structures.
- All dimensions relevant to setting out the culverts on site shall be verified by the contractor prior to construction and fabrication.
- The contractor shall maintain the structure in a stable condition at all times and ensure no part is overstressed during construction activities.
- All temporary works are the responsibility of the contractor and shall comply with the relevant standards, acts and legislation.
- Existing culvert inverts levels are to be confirmed on site. If significant variances from the design invert level are found, contact the designer for direction.
- Flood modelling has been undertaken by Venant Solutions (October 2025), to inform the design of the ferry ramp and scour protection requirements. Flood modelling shows frequent and significant inundation of the entire project site. Hydraulic assessments of culverts and table drains were not part of scope. No hydraulic checks, flow rate or afflux calculations have been undertaken as the design is replacing all existing culverts with the same size or larger.
- Culverts, including end structures, shall be marine grade and C2 exposure classification to MRTS25.
- Pipe classes are shown on the DD series.
- The culvert foundations shall be inspected and tested prior to construction of the culverts to confirm they are suitable and well compacted as per the relevant specification. If soft or unsuitable material (low allowable bearing capacity) is encountered, it shall be removed and replacement with rock as per the unsuitable subgrade treatment notes and details (inclusive of the end structures).
- The contractor shall locally adjust earthworks to smoothly tie in with the culvert inlets/outlets and headwalls/end structures.

**SIGNAGE, PAVEMENT MARKING AND FURNITURE NOTES**

- All signage and line marking to be in accordance with Manual of Uniform Traffic Control Devices (MUTCD), FNQROC S2, MRTS14 and MRTS45.
- Signs shall be set out as per FNQROC S1041.
- Guideposts are to be installed as per TMR SD1356 and the MUTCD in the locations shown on the SL series. The distance from pavement edge shall be constant, generally between 1.2 m and 3.0 m.
- Hazard marker posts shall be installed as per SD1851 at all culvert headwalls.
- Refer to sign schedule for post size and foundation.
- Refer to TMR SD 1363, 1365 and 1368 for signage footing details.
- All sign posts are to be Grade C350LO.
- Pavement marking shall be waterborne as per MRTS45.
- Word, letter and number heights shall be as per AS1742.2 MUTCD Part 2 Section 5.5.2.2 and Figure 5.7.
- Arrow heights shall be as per AS1742.2 MUTCD Part 2 Section 5.5.2.3 and Figure 5.9, 5.10.
- Keep clear shall be as per AS1742.2 MUTCD Part 2 Section 5.5.2.6 and Figure 5.13.
- Chevrons shall be as per AS1742.2 MUTCD Part 2 Section 5.5.1 and Figure 5.4, 5.5.
- Disability markings shall be as per AS1428.1 (white) on a 1.0 m blue square.
- Fencing for the Ferry House shall tie in neatly to the existing fencing. Extents are to be confirmed on site to match the road and culvert extents (existing fence alignment was not surveyed). Fence shall be as per FNQROC S1027.
- Large diameter boulders are proposed to prevent vehicles accessing Cape Tribulation Road from the boat ramp car park. Boulders should be placed such that there is a maximum 1.5 m clearance between boulders to prevent vehicle access.

**CULTURAL HERITAGE NOTES**

- There are two areas of significance identified by Yalanji People – "Yulba" Mud Mussel and Walking track south of Forest Creek road which is used to access Black Palm. No work is to occur within these areas. Refer to:
  - Cultural Heritage Survey (20 November 2025).
  - Daintree Ferry update Cultural Heritage assessment (Nov 2024).
- These areas have been highlighted on these drawings.

C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
Rev	Description	By	Appd	Date
	AMENDMENTS			



Scales  
NTS

Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	GENERAL NOTES AND LEGEND - SHEET 1 / 2



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C02-GN-01
Revision	C

### ROAD GEOMETRY NOTES

- The project scope, as advised by Douglas Shire Council, was to adopt the existing road horizontal and vertical geometry and re-use the existing pavement to allow for better expenditure of available budget. Therefore, the existing road geometry and pavement has been adopted, resulting in unusual road geometry in some areas. Without significant reconstruction, this geometry cannot be brought up to current road design standards.
- The project adopts a 40 km/h posted speed area due to the urbanised environment and high traffic and pedestrian usage within a confined, environmentally sensitive area. To further reduce vehicle speeds, warning and hazard signs have been proposed, in addition to speed bumps and bolted on rubber kerbs with posts to separate and direct traffic.
- These features allow absolute minimum road geometry standards to be adopted in a safe and controlled manner.

### SAFETY IN DESIGN NOTES

- Hansen Engineering Group has prepared this design in accordance with the Work Health and Safety Regulation 2011 (QLD), considering foreseeable risks during construction, maintenance, use and demolition.
- A detailed Safety in Design Risk Register has been prepared for this project and shall be read in conjunction with all drawings, specifications and supporting documents.
- Refer to HEG SiD Report 25019-Daintree-SiD Register for further details. This register shall be updated by the Contractor, Client, and Operator/Maintainer throughout future project stages.
- Hansen Engineering Group has discharged their duties as the designer under Clause 295 of the WHS Regulation.

### DESIGN TRAFFIC NUMBERS

AADT = 860 (two-way, 2026)  
 HV = 11%  
 Growth factor = 1%  
 Assumed design subgrade = CBR 3%  
 ESA/HVAG = 0.98  
 NHVAG / HV = 2.0  
 NDT (20 years) =  $7.2 \times 10^5$  HVAG  
 DESA (design traffic, 20 years) =  $7.0 \times 10^5$  ESA

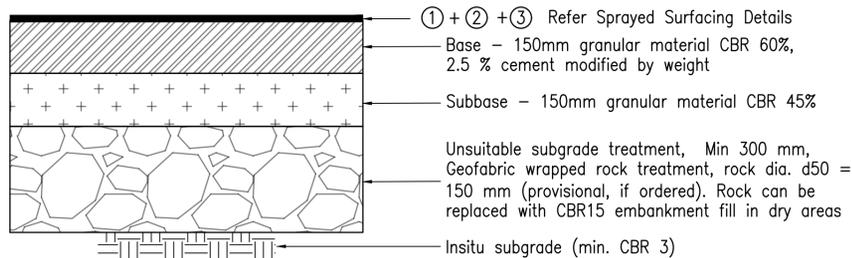
### SPRAYED SURFACING DETAILS

- Prime (initial treatment), Binder Class AMC00, spray rate 0.8 L/m<sup>2</sup>
- First Coat, Binder Class S10E spray rate 1.7 L/m<sup>2</sup>  
16mm pre-coated aggregate, spread rate 85 m<sup>2</sup>/m<sup>3</sup>
- Second Coat, Binder Class S10E spray rate 1.2 L/m<sup>2</sup>  
10mm pre-coated aggregate, spread rate 130 m<sup>2</sup>/m<sup>3</sup>
- Reseal, Binder Class S10E spray rate 1.4 L/m<sup>2</sup>  
10mm pre-coated aggregate, spread rate 130 m<sup>2</sup>/m<sup>3</sup>

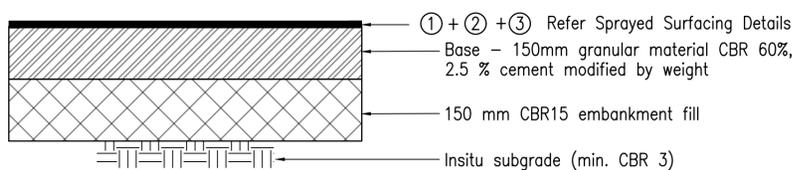
### PAVEMENT TYPE 1 – EXISTING PAVEMENT RESEAL



### PAVEMENT TYPE 2 – PAVEMENT WIDENING



### PAVEMENT TYPE 3 – CAR PARKS



### EXISTING LEGEND

- Property Boundary
- Existing surveyed features
- UG LV power (surveyed)
- OH Ergon power (surveyed)
- UG LV power (supplied by DSC)
- UG Telstra (surveyed)
- UG Telstra (BYDA)
- UG water main (surveyed)
- UG water main (supplied by DSC)
- Existing light pole
- Existing sewer manhole
- Existing Telstra marker
- Existing Telstra pit
- Existing solar powered light pole
- Existing sign
- Existing drainage pit with grate
- Existing electrical pit
- Existing ticket booth
- Existing speed hump
- Existing mooring pile
- Existing cable piles
- Existing water top
- Existing timber bollard
- Existing pedestrian shelter

### EXISTING FEATURES LEGEND

- Existing road to be removed and landscaped
- Clearing and grubbing extent
- Existing concrete to be demolished
- Existing bolted on rubber kerb and speed bumps to be demolished
- Existing culvert and headwall to be demolished
- Existing fencing to be demolished

### PROPOSED LEGEND

- Design control line
- Fencing
- Speed bump
- Boom gate
- Bolted on rubber kerb with posts
- Wheel stop
- Sign
- Relocated ticket booth
- Relocated pedestrian shelter
- Large diameter boulder
- Future infringement camera (by others)
- Cultural heritage vegetation line and exclusion zone
- Pavement Batter
- Proposed Culvert
- Concrete footpath / median
- Structural concrete, refer structural drawings
- Dredge spoil bund

### PAVEMENT LEGEND

- Pavement Type 1 – Existing pavement reseal
- Pavement Type 2 – Pavement widening
- Pavement Type 3 – Car parks
- Concrete footpath

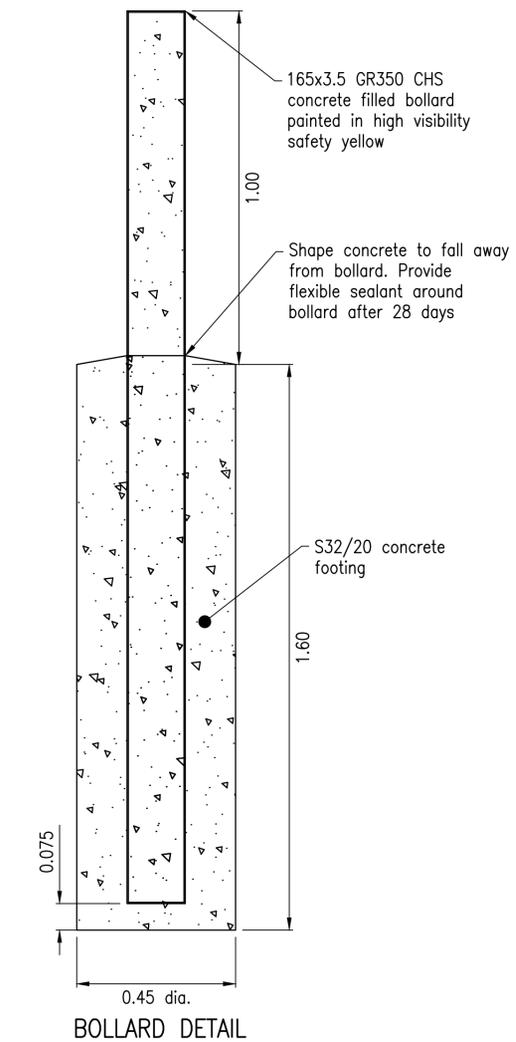
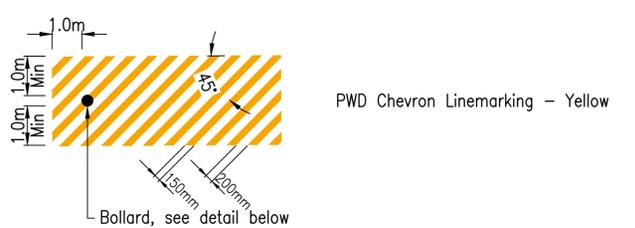
### PROPOSED LINE MARKING LEGEND

- EL1 – Edge Line
- CL1 – Continuity Line
- LL1 – Lane Line (broken)
- LL4 – Lane Line (continuous)
- OL1 – Outline marking
- PS1 – Continuous line – Parking Space
- BL2-R – Double barrier line with RRPMS
- GWL – Give way Line
- SL – Stop Line
- Road edge guide post
- EL1-Y – Edge Line, yellow
- CL1-Y – Continuity Line, yellow
- PWD Parking Bay Symbol (AS1428.1)

### RAISED PAVEMENT MARKER LEGEND:

- Unidirectional – Red
- Bidirectional – Yellow
- Unidirectional – Yellow

### PWD BAY DETAILS:



Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025



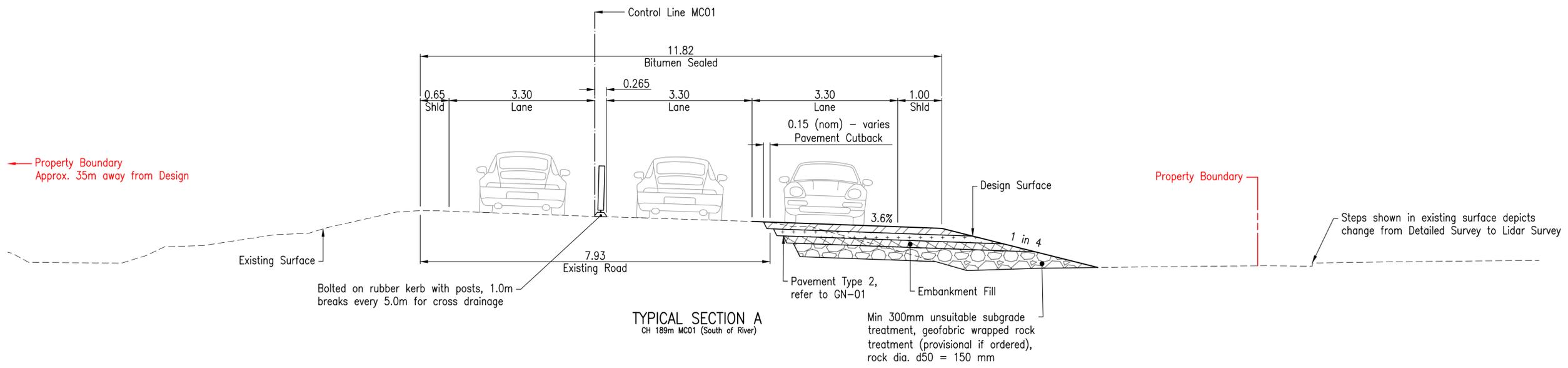
Scales  
NTS

Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: GENERAL NOTES AND LEGEND - SHEET 2 / 2

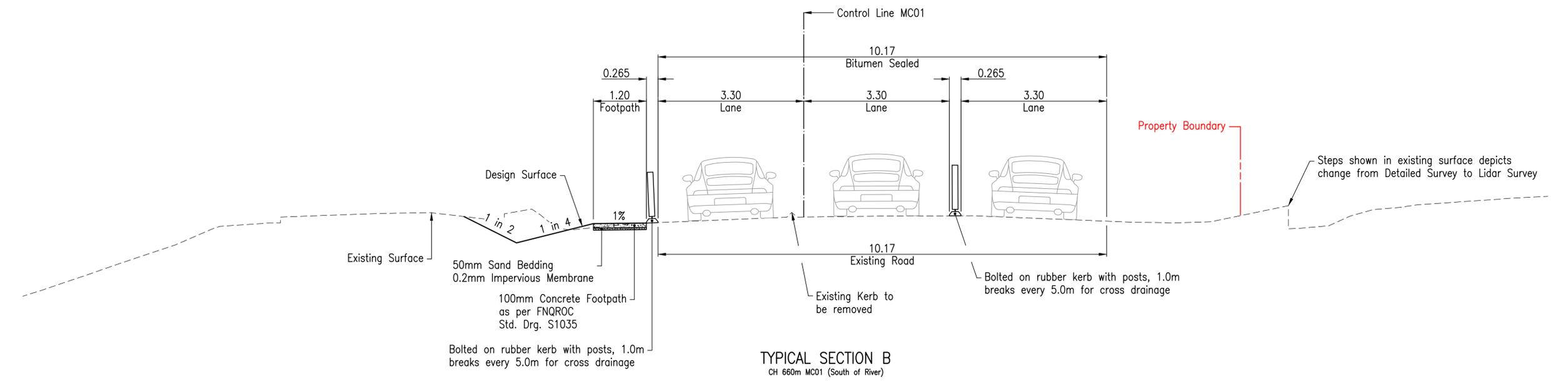


Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C02-GN-02
Revision	C

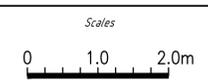


TYPICAL SECTION A  
CH 189m MC01 (South of River)



TYPICAL SECTION B  
CH 660m MC01 (South of River)

Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: TYPICAL CROSS SECTIONS - SHEET 1 / 3



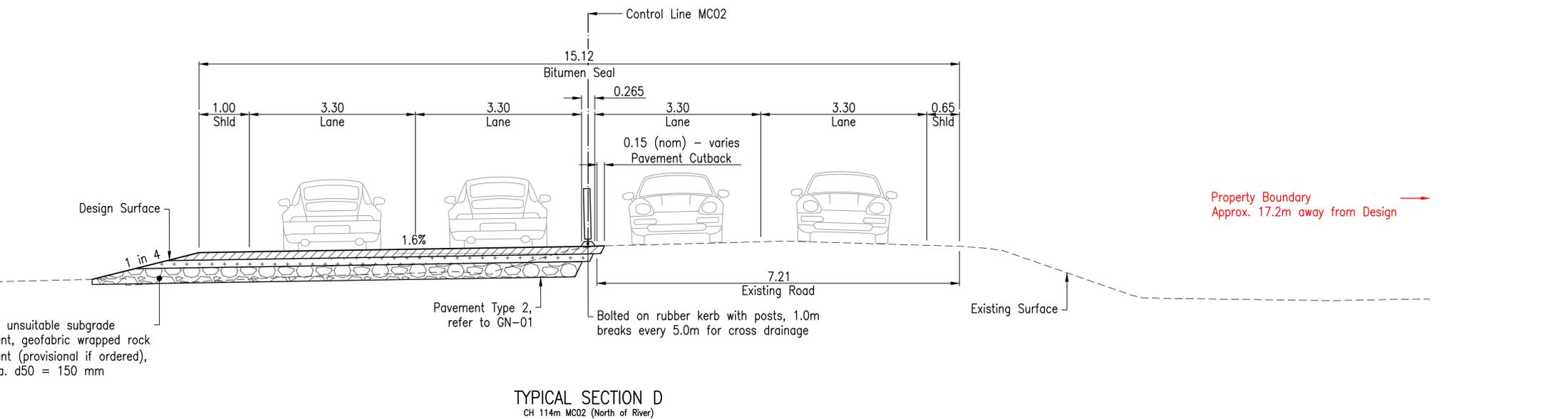
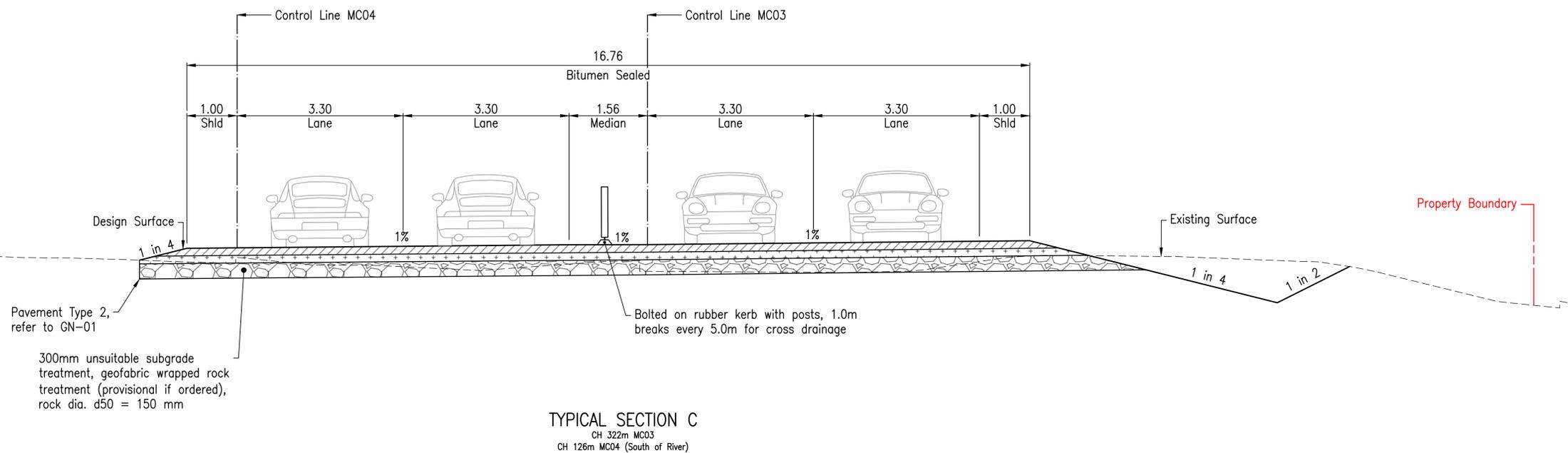
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



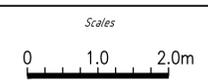
**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C03-TS-01  
 Revision: C

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hansengroup.com.au



C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
Rev	Description	By	Appd	Date
AMENDMENTS				



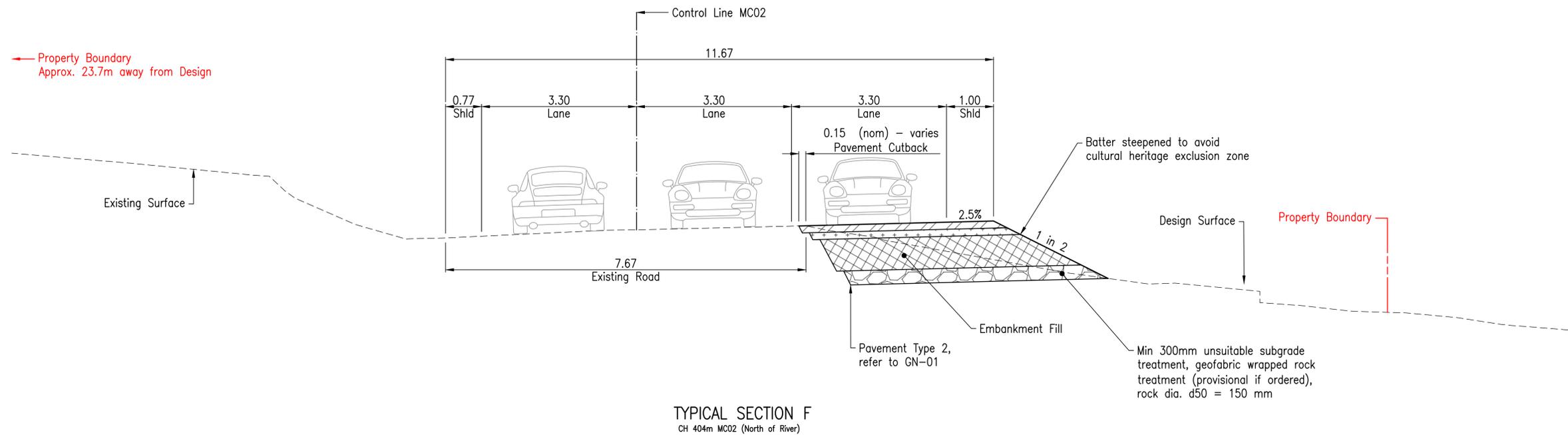
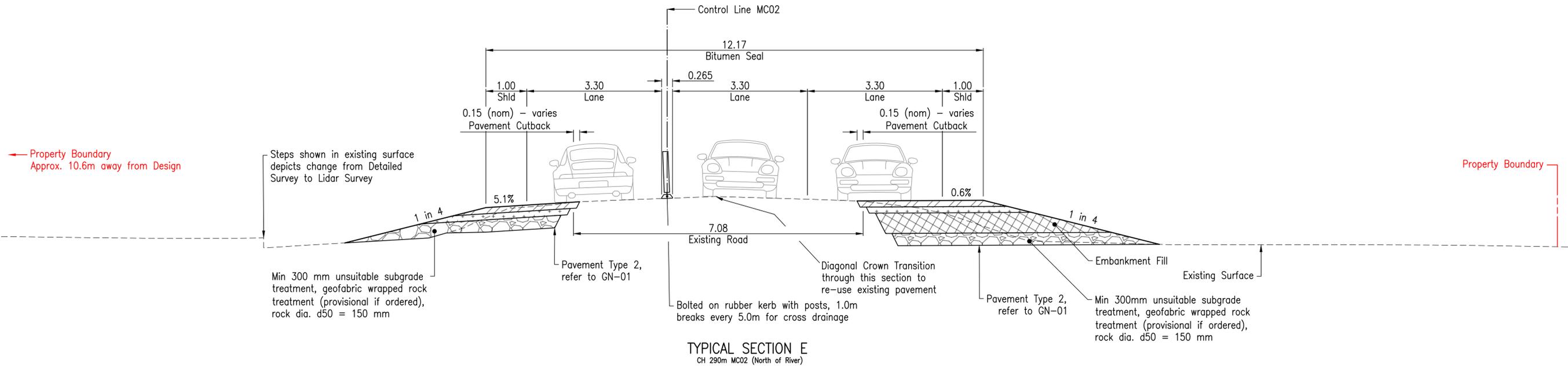
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: TYPICAL CROSS SECTIONS - SHEET 2 / 3



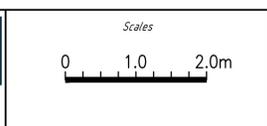
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C03-TS-02
Revision	C



Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: TYPICAL CROSS SECTIONS - SHEET 3 / 3

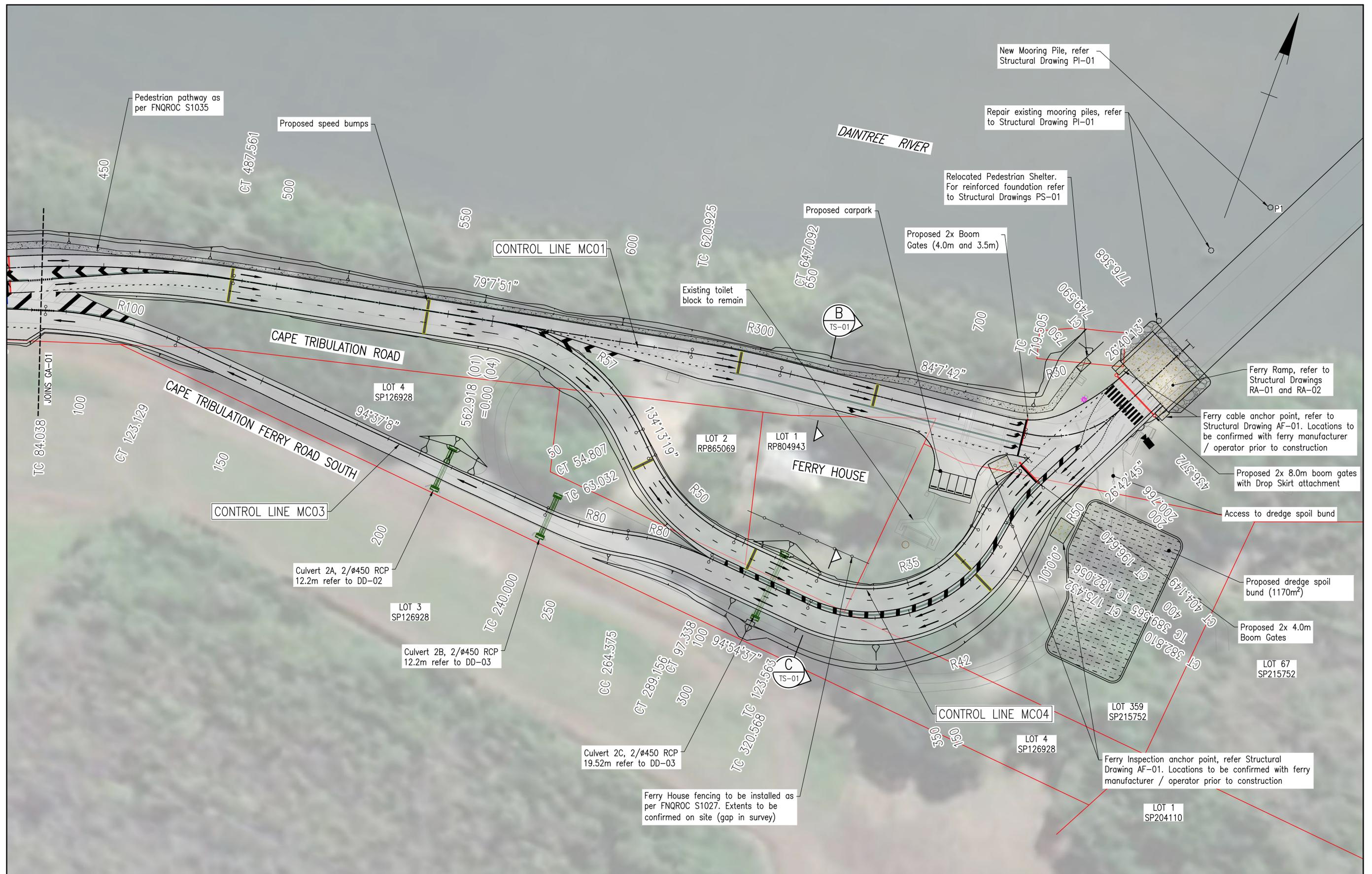


Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

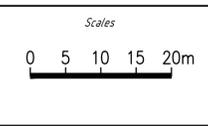
THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

DETAILED DESIGN	
Job Number	25019
Drawing Number	25019-HEG-C03-TS-03
Revision	A





Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025

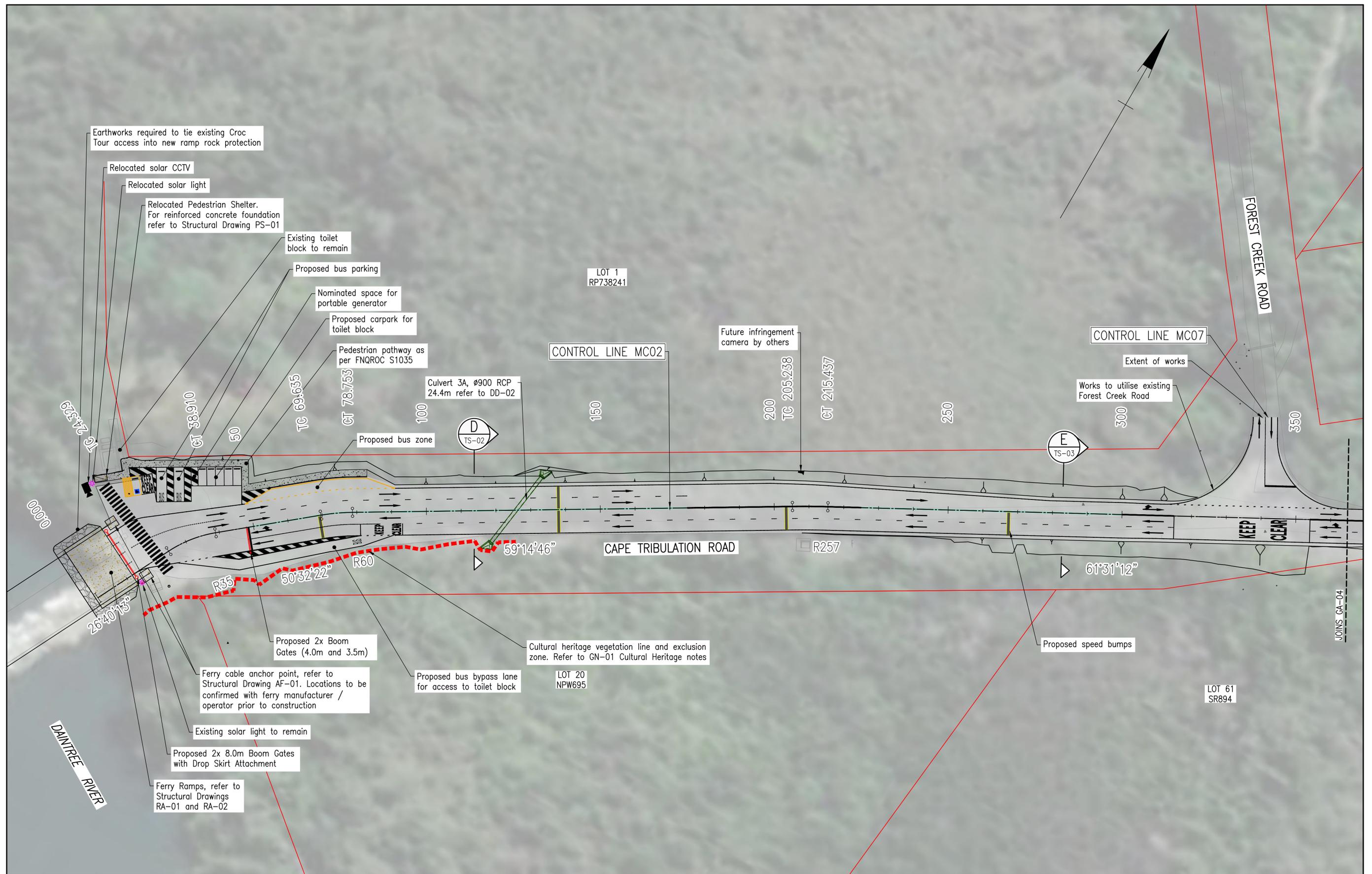


Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: GENERAL ARRANGEMENT - SHEET 2 / 4

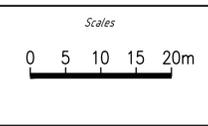


Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEO No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C04-GA-02
Revision	C



Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	GENERAL ARRANGEMENT - SHEET 3 / 4

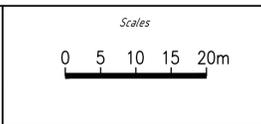


Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C04-GA-03
Revision	C



Rev	Description	By	Appd	Date
C	100% Submission			18/12/2025
B	70% Submission			4/11/2025
A	30% Submission			19/09/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	GENERAL ARRANGEMENT - SHEET 4 / 4



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C04-GA-04
Revision	C

CONTROL LINE SETOUT – MC01								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328226.235	8201114.106	2.087	4'34"18.35"	LINE		65.249
TC	65.249	328231.436	8201179.147	2.237	4'34"18.35"	ARC	200.000	42.761
CT	108.009	328239.358	8201221.085	2.247	16'49"18.33"	LINE		8.075
TC	116.084	328241.695	8201228.814	2.198	16'49"18.33"	ARC	200.000	35.354
CT	151.438	328254.856	8201261.577	2.163	26'57"00.00"	LINE		33.936
TC	185.375	328270.236	8201291.828	2.084	26'57"00.00"	ARC	330.000	150.279
CT	335.654	328365.994	8201405.963	2.297	53'02"31.27"	LINE		15.306
TC	350.960	328378.224	8201415.166	2.419	53'02"31.27"	ARC	300.000	136.601
CT	487.561	328502.023	8201470.061	3.045	79'07"51.22"	LINE		133.364
TC	620.925	328632.995	8201495.209	3.270	79'07"51.22"	ARC	300.000	26.167
CT	647.092	328658.875	8201499.017	3.077	84'07"42.40"	LINE		72.413
TC	719.505	328730.908	8201506.425	2.266	84'07"42.40"	ARC	-30.000	30.085
CT	749.590	328754.648	8201522.802	2.234	26'40"12.70"	LINE		26.777
E	776.368	328766.667	8201546.730		26'40"12.70"			

CONTROL LINE SETOUT – MC05								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN	
S	0.000	328296.949	8201335.582	2.133	308'00"13.35"	LINE		32.097
E	32.097	328271.658	8201355.345	2.002	308'00"13.35"			

SOUTH CARPARK SETOUT – MC01								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328699.310	8201496.274	2.493	174'07"42.40"	ARC	9.500	14.923
CT	14.923	328709.732	8201487.796	2.429	174'07"42.40"	LINE		5.500
DIS	20.423	328710.295	8201482.324	2.406	84'07"42.40"	LINE		12.500
DIS	32.923	328722.729	8201483.603	2.352	354'07"42.40"	LINE		5.500
TC	38.423	328722.166	8201489.074	2.328	354'07"42.40"	ARC	9.500	14.923
E	53.345	328730.645	8201499.496	2.264	84'07"42.40"			

CONTROL LINE SETOUT – MC02								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328893.007	8201782.193	-0.024	26'40"13.34"	LINE		24.329
TC	24.329	328903.927	8201803.934	1.911	26'40"13.34"	ARC	35.000	14.581
CT	38.910	328912.959	8201815.246	1.901	50'32"22.30"	LINE		30.725
TC	69.635	328936.681	8201834.773	1.990	50'32"22.30"	ARC	60.000	9.118
CT	78.753	328944.132	8201840.012	2.001	59'14"46.41"	LINE		126.485
TC	205.238	329052.830	8201904.690	2.366	59'14"46.41"	ARC	257.000	10.199
CT	215.437	329061.696	8201909.730	2.288	61'31"12.00"	LINE		155.870
TC	371.307	329198.703	8201984.057	4.534	61'31"12.00"	ARC	-53.500	31.052
CT	402.358	329220.312	8202005.747	4.930	28'15"55.36"	LINE		38.119
TC	440.477	329238.364	8202039.321	3.585	28'15"55.36"	ARC	280.000	48.369
CS	488.846	329264.826	8202079.737	3.019	38'09"46.82"	TRANSITION		30.000
ST	518.846	329284.191	8202102.645	2.988	41'13"56.72"	LINE		7.794
E	526.640	329289.328	8202108.507	3.024	41'13"56.72"			

CONTROL LINE SETOUT – MC06								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN	
S	0.000	328328.445	8201372.975	2.145	318'52"01.32"	LINE		39.082
E	39.082	328302.736	8201402.411	2.322	318'52"01.32"			

NORTH CARPARK SETOUT – MC02								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328915.435	8201826.047	1.871	329'34"44.78"	LINE		10.834
DIS	10.834	328909.949	8201835.389	1.863	239'34"44.78"	LINE		29.379
DIS	40.213	328884.615	8201820.513	1.804	320'49"52.18"	LINE		2.024
DIS	42.237	328883.337	8201822.082	1.798	230'49"48.25"	LINE		4.800
DIS	47.037	328879.615	8201819.050	1.782	140'49"45.52"	LINE		5.400
DIS	52.437	328883.026	8201814.864	1.764	230'49"48.25"	LINE		8.417
DIS	60.853	328876.501	8201809.548	1.731	127'08"45.53"	LINE		11.206
DIS	72.059	328885.433	8201802.781	1.686	203'30"13.60"	LINE		3.193
DIS	75.253	328884.160	8201799.853	1.701	116'42"44.96"	LINE		2.500
DIS	77.752	328886.393	8201798.729	1.731	26'42"15.92"	LINE		5.717
TC	83.469	328888.961	8201803.836	1.821	26'42"15.92"	ARC	15.149	6.823
CT	90.292	328893.275	8201809.048	1.943	52'30"33.51"	LINE		27.929
E	118.221	328915.435	8201826.047	1.871	52'30"33.51"			

KERB RETURN SETOUT – MC01 MC05								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328280.493	8201316.871	2.174	308'00"13.42"	ARC	-23.500	34.284
E	34.284	328274.945	8201347.700	1.969	308'00"13.42"			

KERB RETURN SETOUT – MC05 MC01								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328280.179	8201354.397	2.010	128'00"13.42"	LINE		8.799
TC	8.799	328287.113	8201348.979	2.164	128'00"13.42"	ARC	-12.500	19.467
E	28.266	328304.554	8201351.001	2.233	38'46"29.34"			

KERB RETURN SETOUT – MC01 MC06								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328311.237	8201359.058	2.237	318'52"01.39"	ARC	-20.000	28.521
E	28.521	328311.109	8201385.222	2.164	318'52"01.39"			

KERB RETURN SETOUT – MC06 MC01								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328323.585	8201386.140	2.172	46'51"55.04"	ARC	-9.000	14.452
E	14.452	328336.517	8201385.493	2.308	46'51"55.04"			

KERB RETURN SETOUT – MC02 MC07								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	329145.001	8201958.678	2.367	330'31"12.00"	ARC	-25.000	39.706
CT	39.706	329154.843	8201992.955	3.422	330'31"12.00"	LINE		0.198
E	39.904	329154.746	8201993.128	3.437	330'31"12.00"			

CONTROL LINE SETOUT – MC03								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328377.418	8201410.429	2.237	72'13"16.75"	ARC	140.000	46.864
CT	46.864	328418.842	8201431.872	2.366	72'13"16.75"	LINE		37.174
TC	84.038	328454.240	8201443.223	2.426	72'13"16.75"	ARC	100.000	39.091
CT	123.129	328492.827	8201447.674	2.397	94'37"08.34"	LINE		116.871
TC	240.000	328609.319	8201438.262	2.513	94'37"08.34"	ARC	-80.000	24.374
CC	264.375	328633.537	8201440.002	2.453	77'09"43.39"	ARC	80.000	24.781
CT	289.156	328658.160	8201441.708	2.360	94'54"36.94"	LINE		31.412
TC	320.568	328689.456	8201439.020	2.581	94'54"36.94"	ARC	-42.000	62.242
CT	382.810	328734.413	8201473.572	2.688	10'00"00.00"	LINE		6.755
TC	389.565	328735.586	8201480.225	2.627	10'00"00.00"	ARC	50.000	14.584
CT	404.149	328740.163	8201494.018	2.136	26'42"44.96"	LINE		32.223
E	436.372	328754.648	8201522.802	2.235	26'42"44.96"			

CONTROL LINE SETOUT – MC04								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	328576.029	8201484.271	3.152	134'13"19.02"	ARC	57.000	54.807
CT	54.807	328626.531	8201469.142	2.555	134'13"19.02"	LINE		8.225
TC	63.032	328632.426	8201463.405	2.506	134'13"19.02"	ARC	-50.000	34.306
CT	97.338	328663.018	8201449.421	2.342	94'54"36.94"	LINE		26.225
TC	123.563	328689.147	8201447.176	2.515	94'54"36.94"	ARC	-35.000	51.869
CT	175.432	328726.611	8201475.970	2.715	10'00"00.00"	LINE		6.624
TC	182.056	328727.761	8201482.493	2.649	10'00"00.00"	ARC	50.000	14.584
CT	196.640	328732.338	8201496.286	2.285	26'42"45.00"	LINE		4.126
E	200.766	328734.193	8201499.972	2.245	26'42"45.00"			

B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
Rev	Description	By	Appd	Date
	AMENDMENTS			



Scales

Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: CONTROL LINE SETOUT TABLES - SHEET 1 / 1

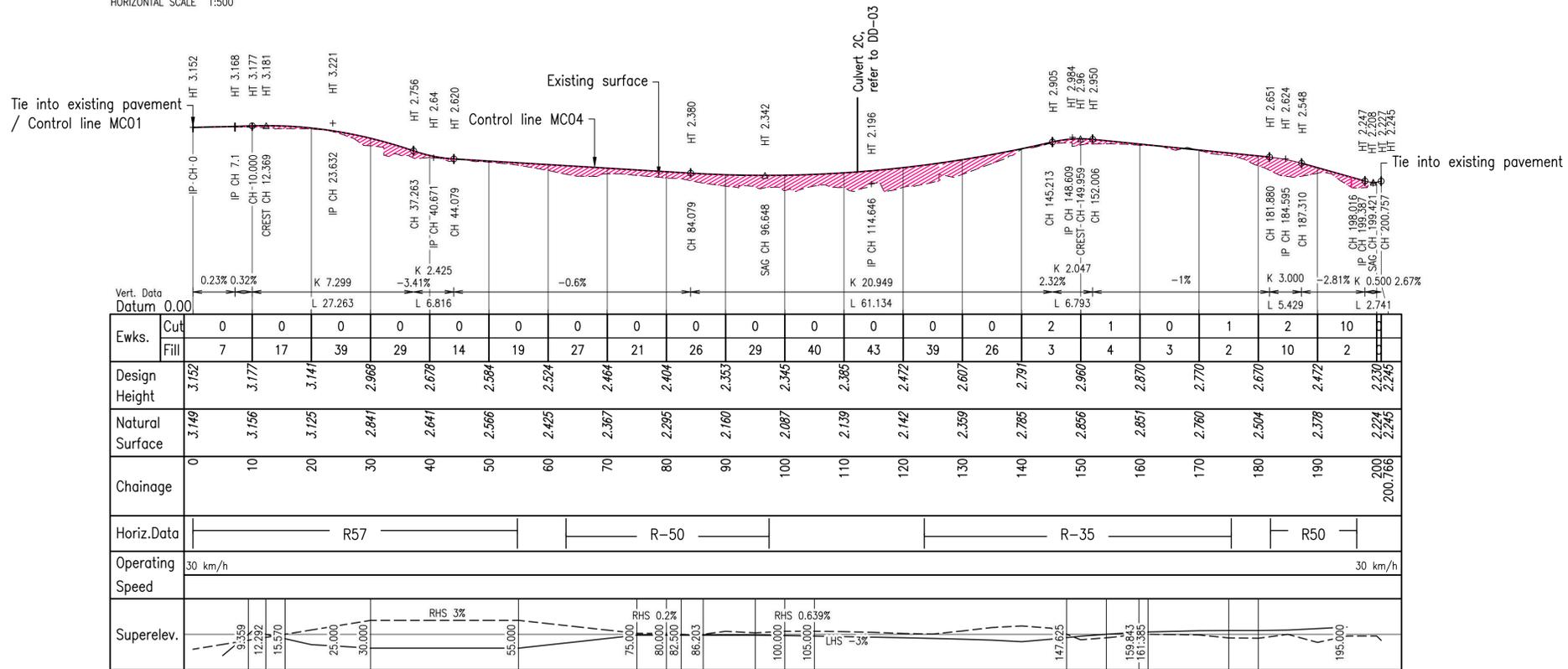
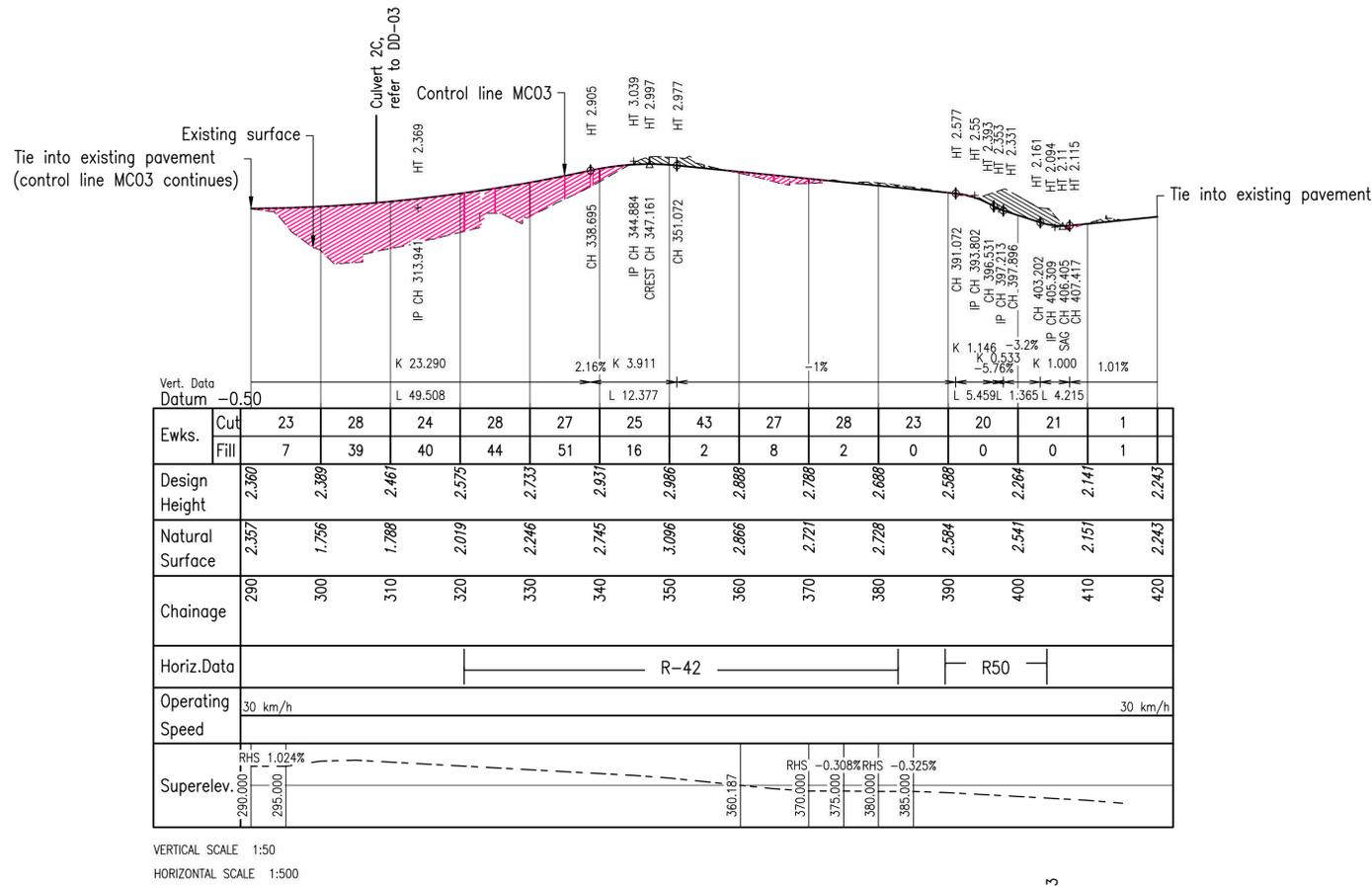


Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEO No.	

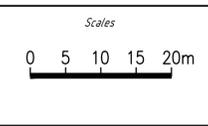
**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C04-GA-05  
 Revision: B

**NOTES**

1. Earthworks cut and fill shown in the long sections are to the design surface and does not consider pavement subgrade, and are therefore indicative only.



A	100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date
	AMENDMENTS			



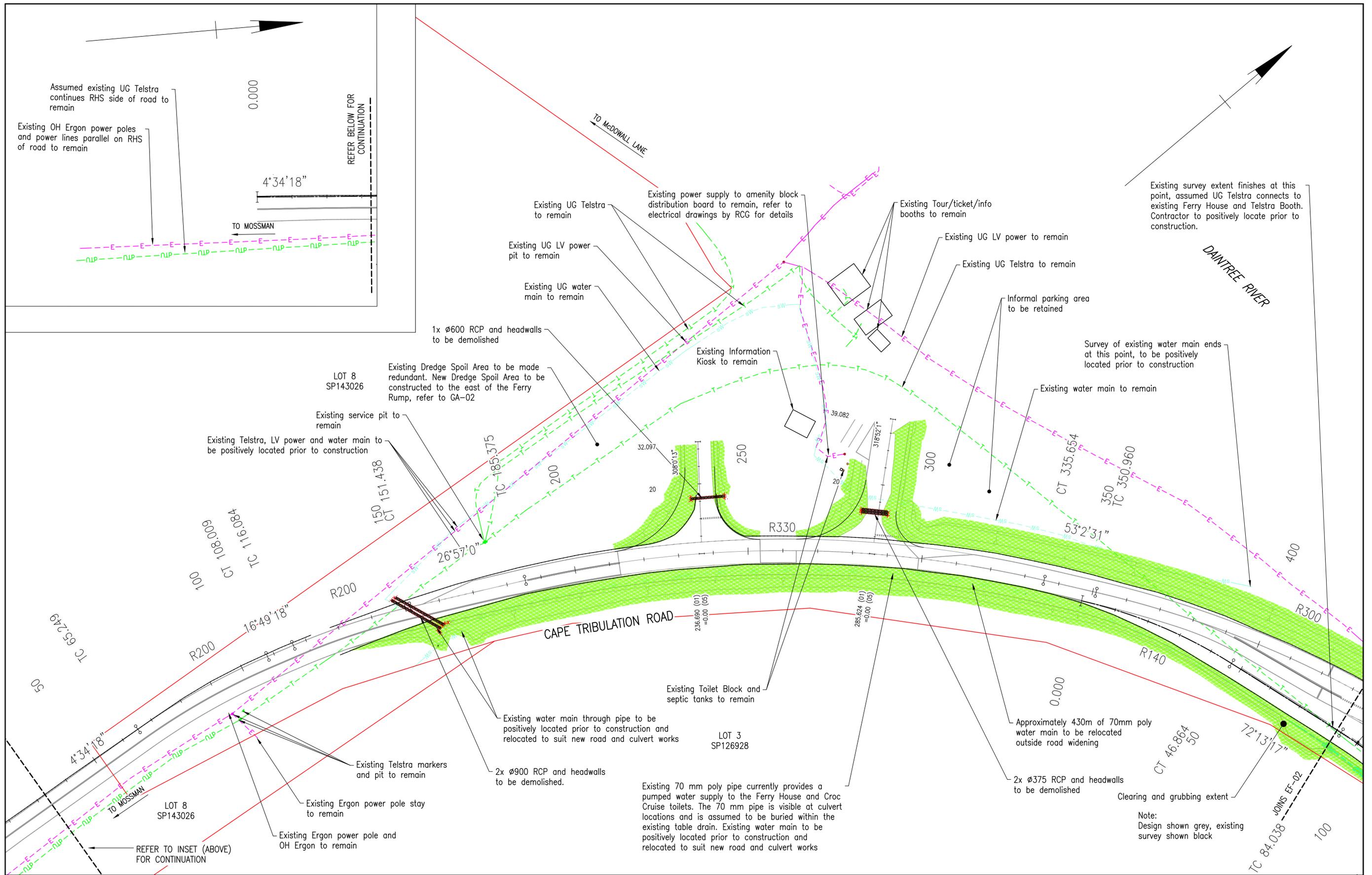
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: MC03 & MC04 LONG SECTIONS - SHEET 1 / 1



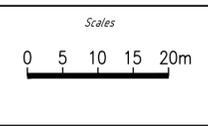
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEO No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C04-GA-06  
 Revision: A



Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
AMENDMENTS				



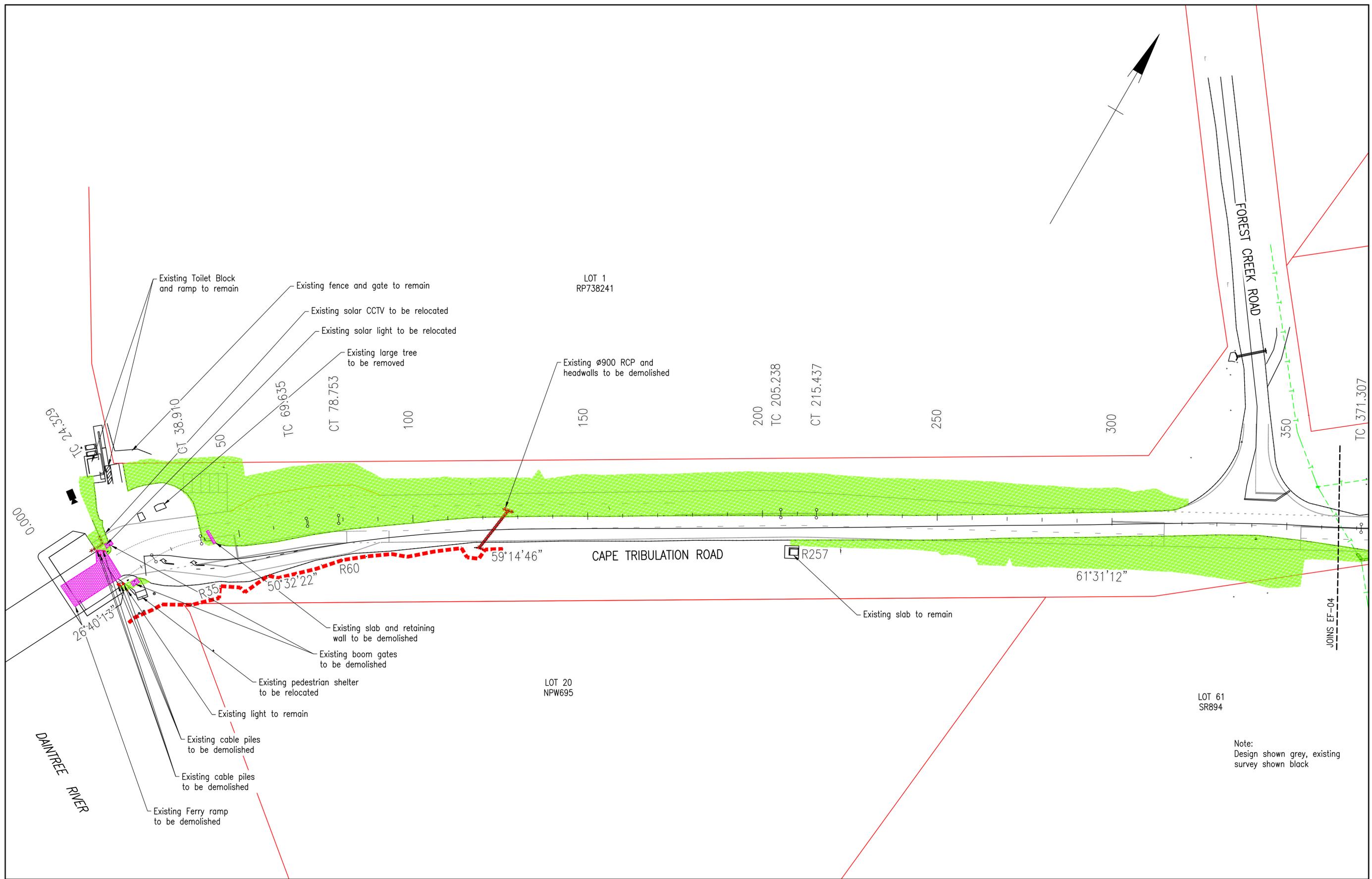
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 1 / 4



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

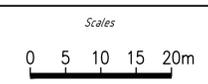
<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C05-EF-01
Revision	C





Note:  
Design shown grey, existing  
survey shown black

Rev	Description	By	Appd	Date
C	100% Submission	PS	ES	18/12/2025
B	70% Submission	PS	ES	4/11/2025
A	30% Submission	PS	ES	19/09/2025
AMENDMENTS				



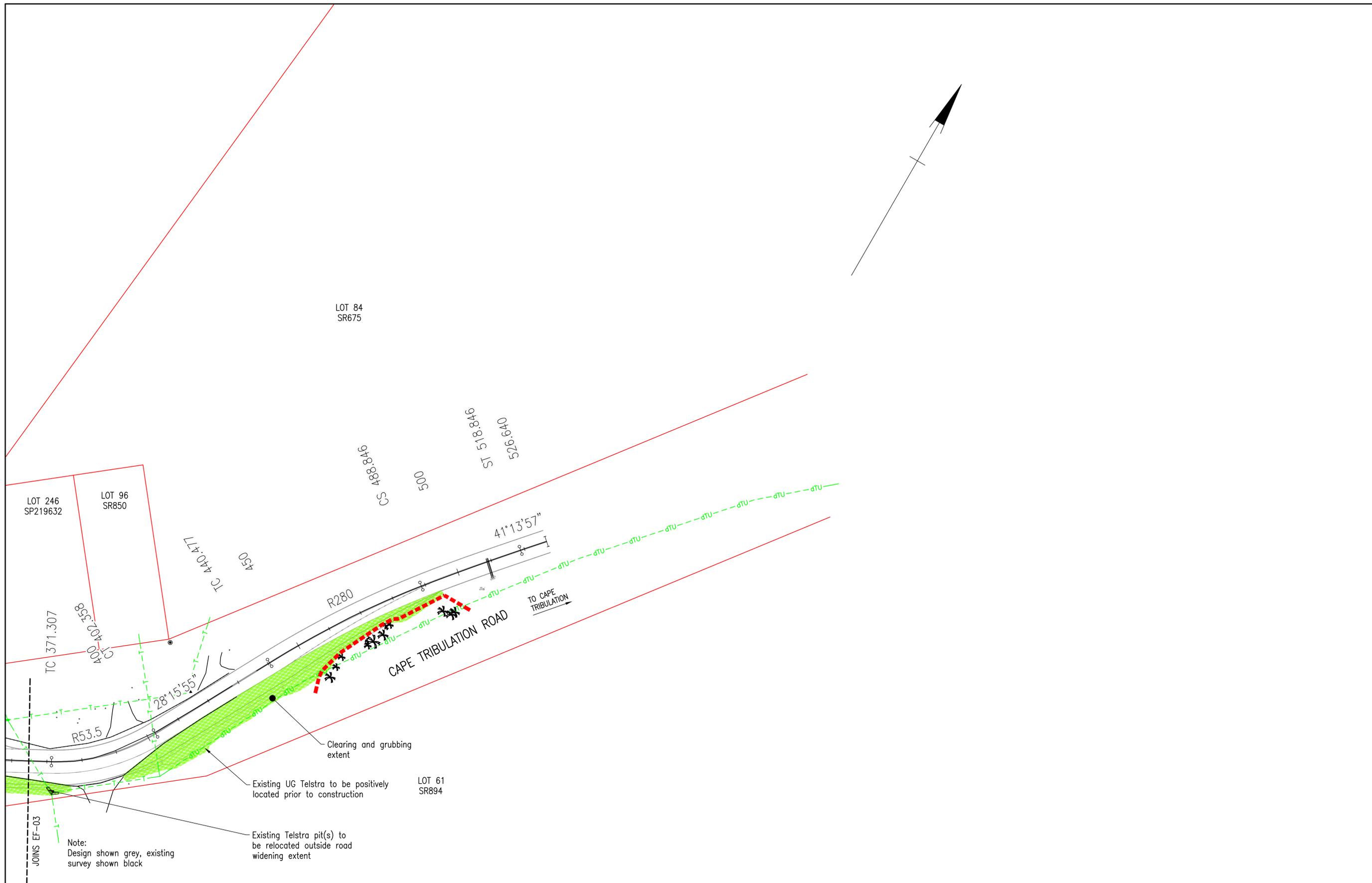
Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 3 / 4



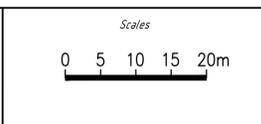
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C05-EF-03
Revision	C



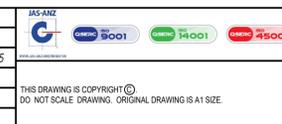
Rev	Description	By	Appd	Date
C	100% Submission			18/12/2025
B	70% Submission			4/11/2025
A	30% Submission			19/09/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	EXISTING FEATURES, DEMOLITION AND UTILITY PLAN - SHEET 4 / 4



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



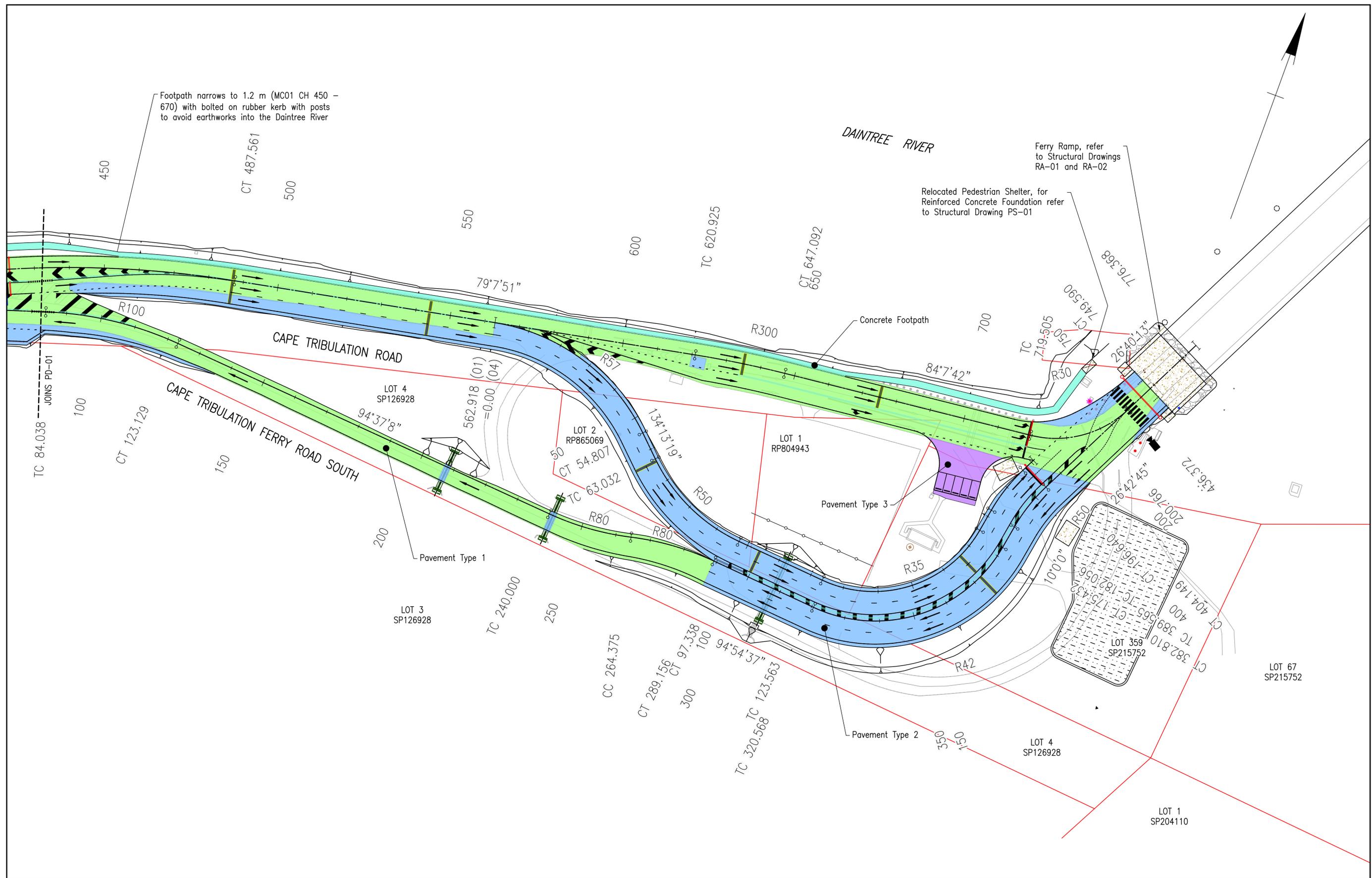
<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C05-EF-04
Revision	C











Footpath narrows to 1.2 m (MC01 CH 450 - 670) with bolted on rubber kerb with posts to avoid earthworks into the Daintree River

Ferry Ramp, refer to Structural Drawings RA-01 and RA-02

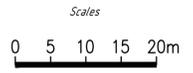
Relocated Pedestrian Shelter, for Reinforced Concrete Foundation refer to Structural Drawing PS-01

Concrete Footpath

Pavement Type 3

Pavement Type 1

Pavement Type 2



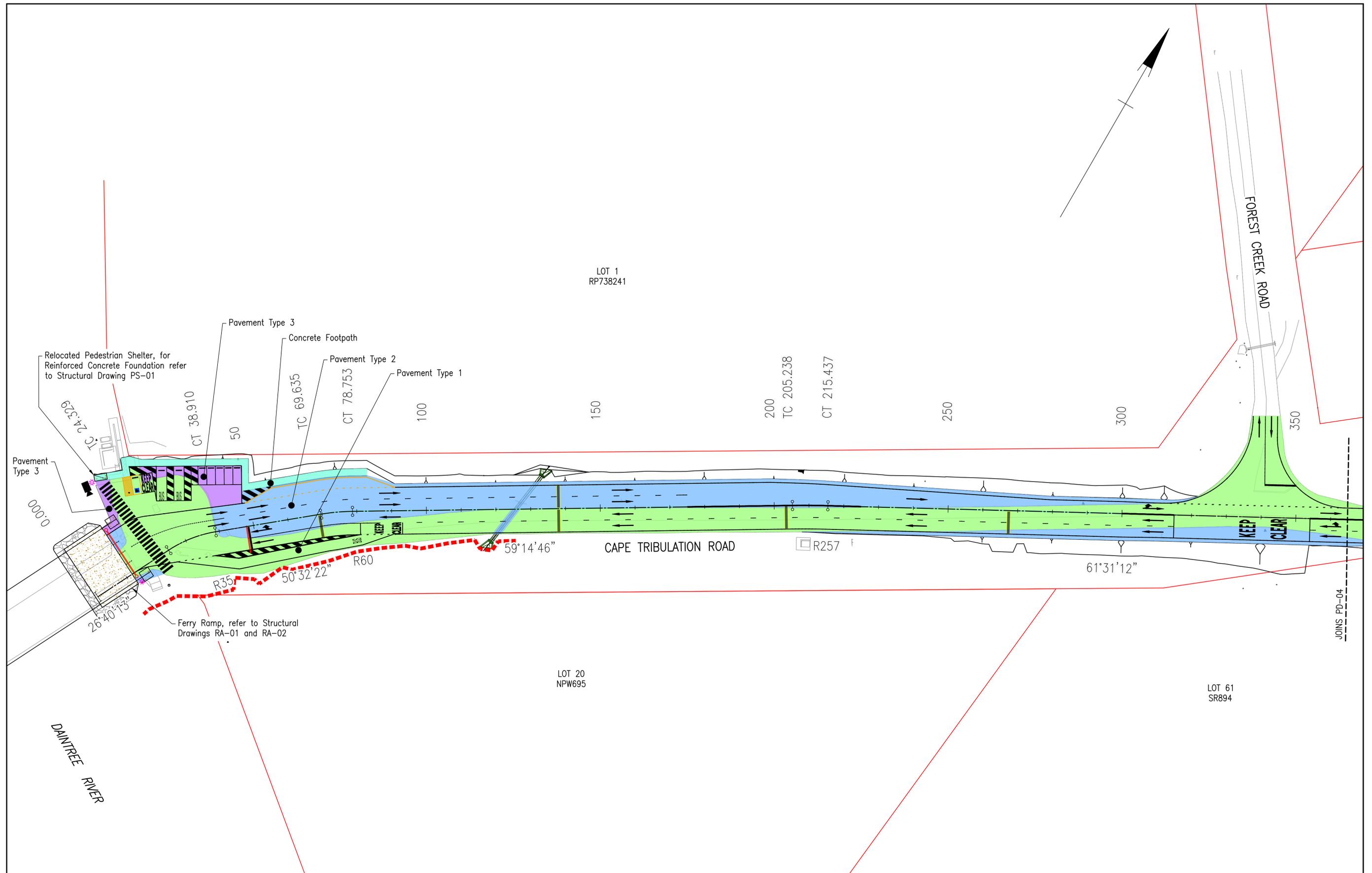
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: PAVEMENT AND CONSTRUCTION SETOUT - SHEET 2 / 4



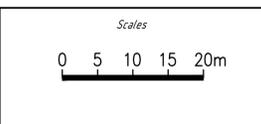
Design	ES	
Drawn	PS	
Date	18/12/2025	
Checked	NH	
Approved	ES	
RPEO No.		
THIS DRAWING IS COPYRIGHT © DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.		

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C07-PD-02
Revision	B

Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
AMENDMENTS				



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
AMENDMENTS				



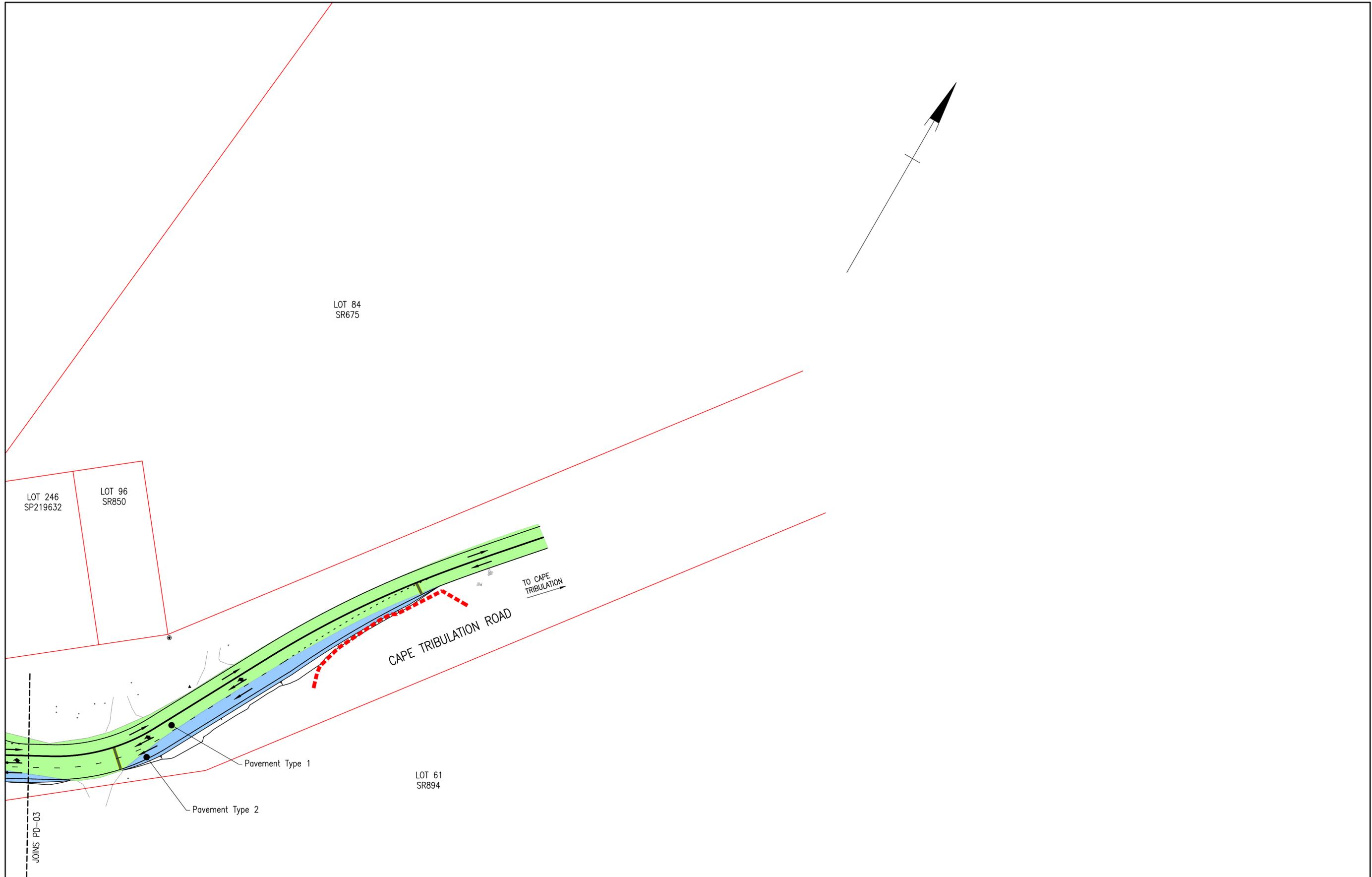
Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	PAVEMENT AND CONSTRUCTION SETOUT - SHEET 3 / 4



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

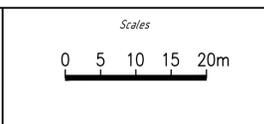
THIS DRAWING IS COPYRIGHT ©. DO NOT SCALE. DRAWING ORIGINAL DRAWING IS A1 SIZE.

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C04-GA-03
Revision	B



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025

AMENDMENTS



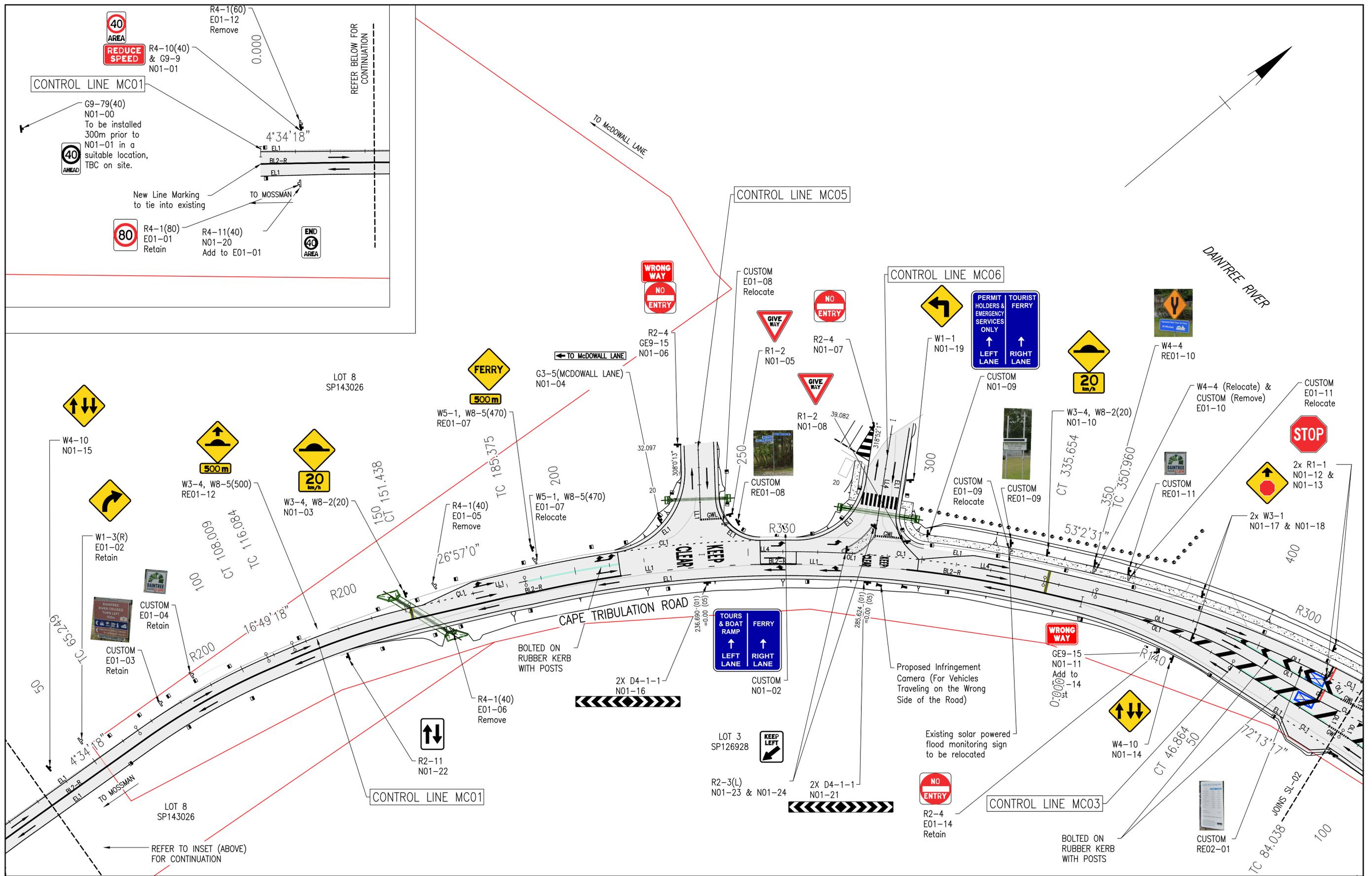
Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	PAVEMENT AND CONSTRUCTION SETOUT - SHEET 4 / 4



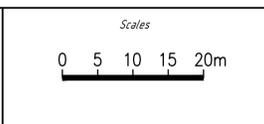
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C07-PD-04
Revision	B



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
AMENDMENTS				



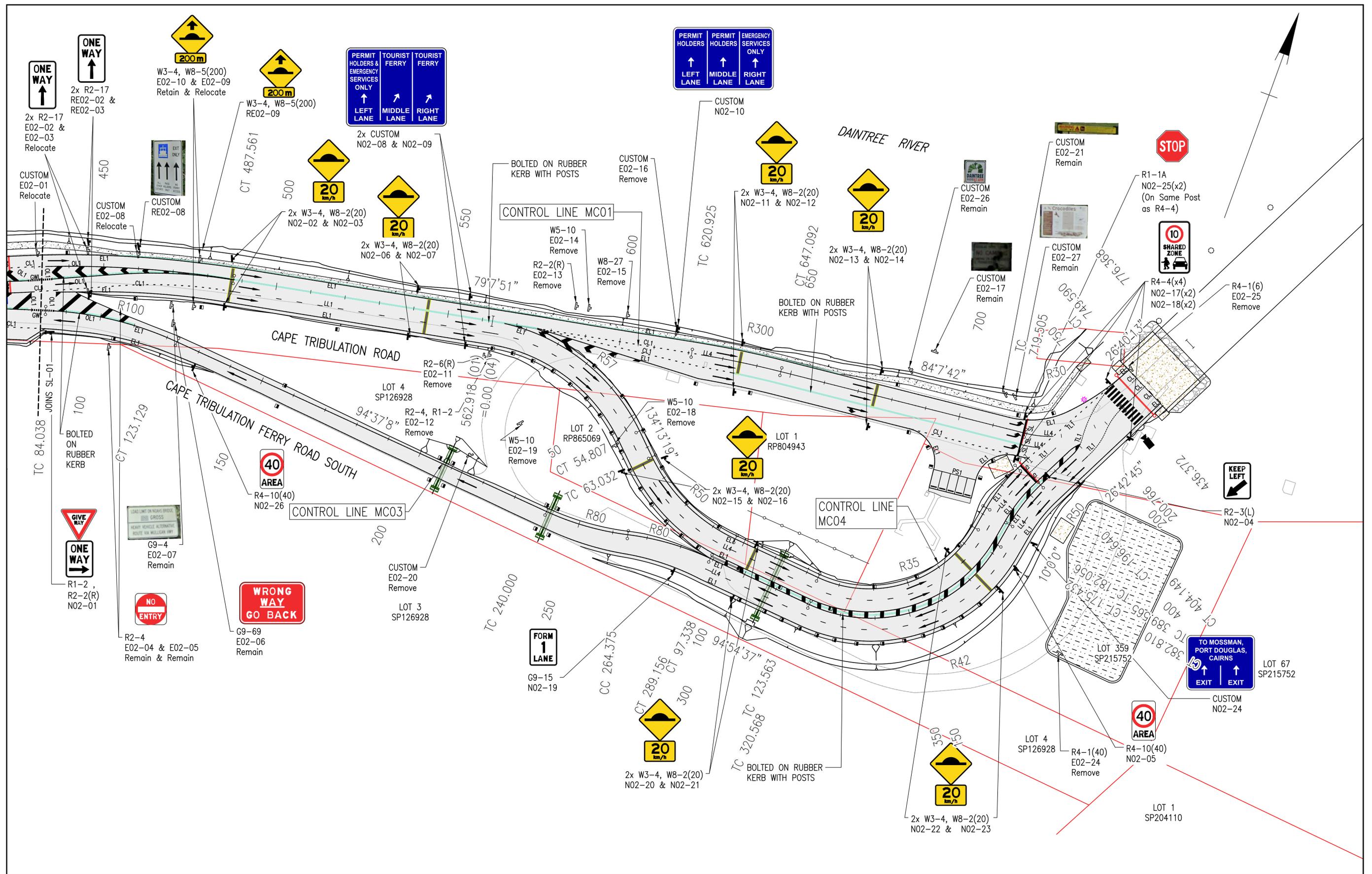
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: SIGNS AND LINEMARKING LAYOUT - SHEET 1 / 4



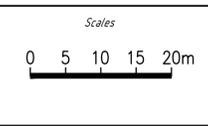
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEO No.	

THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C08-SL-01
Revision	B



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
Rev	AMENDMENTS			



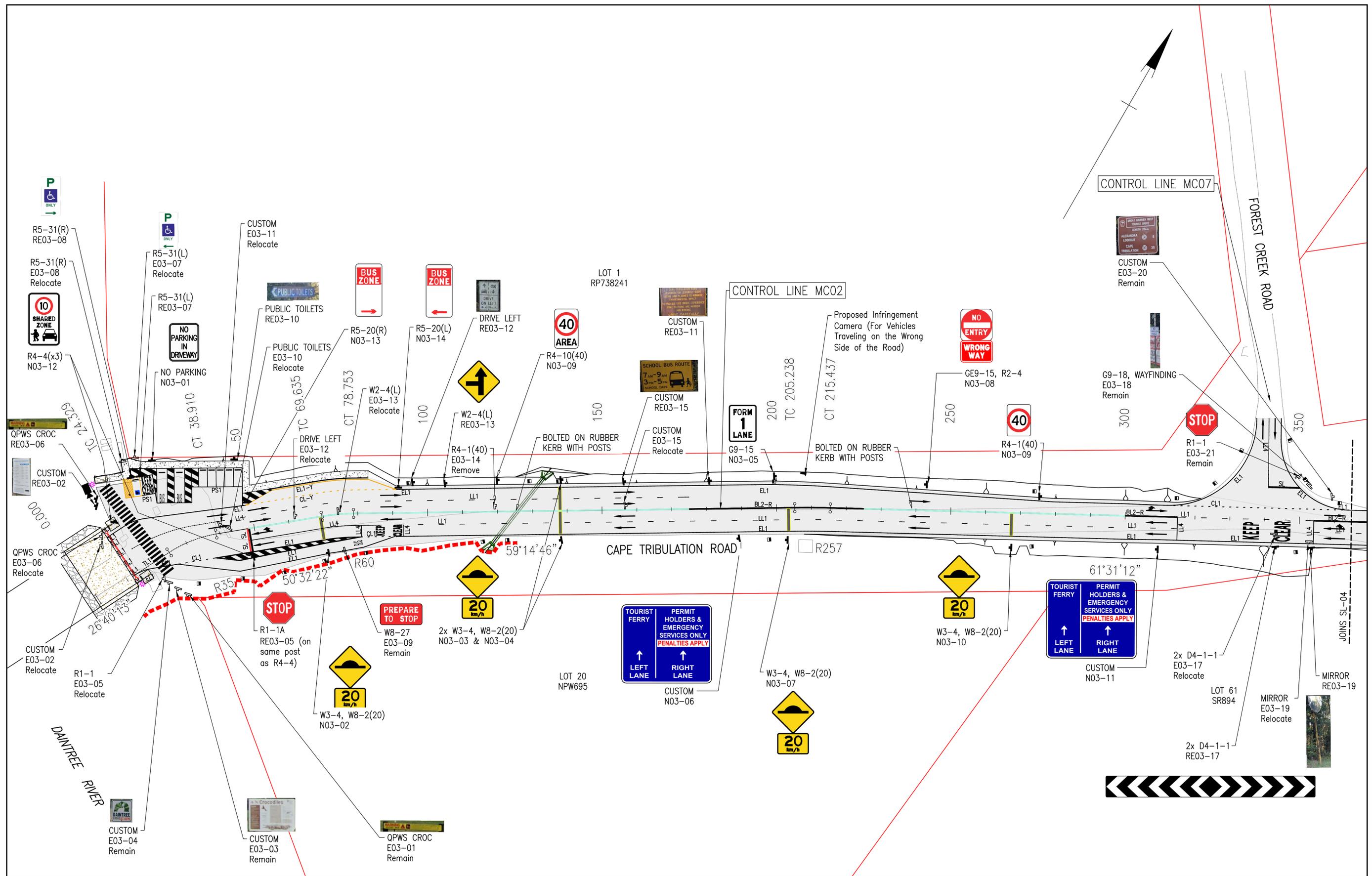
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: SIGNS AND LINEMARKING LAYOUT - SHEET 2 / 4



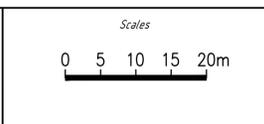
Design	ES	HAS-ANZ
Drawn	PS	
Date	18/12/2025	
Checked	NH	
Approved	ES	
RPEO No.		

THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C08-SL-02
Revision	B



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
AMENDMENTS				



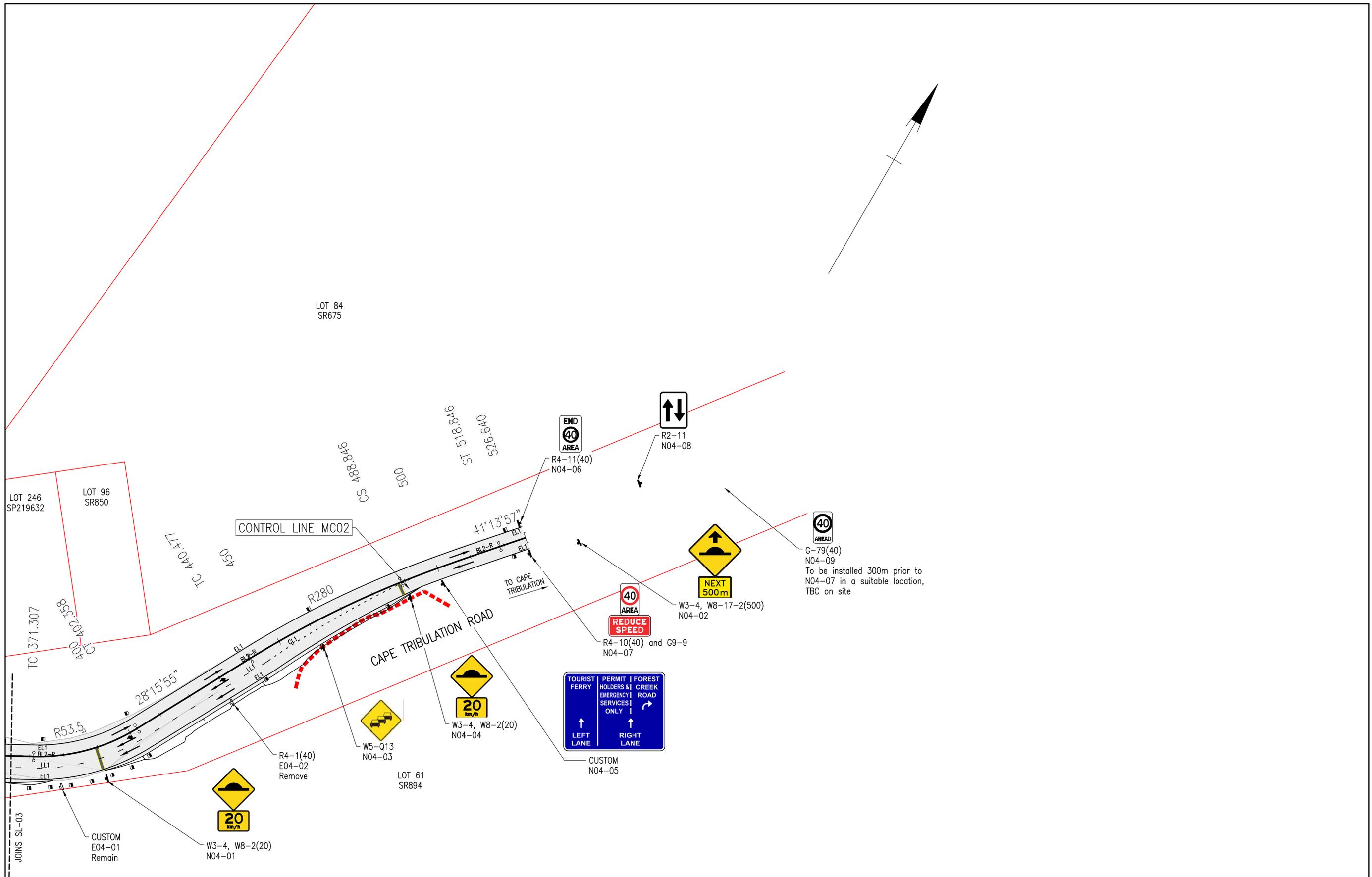
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: SIGNS AND LINEMARKING LAYOUT - SHEET 3 / 4



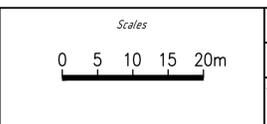
Design	ES	HAS-ANZ
Drawn	PS	
Date	18/12/2025	
Checked	NH	
Approved	ES	
RPEO No.		

THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

DETAILED DESIGN	
Job Number	25019
Drawing Number	25019-HEG-C08-SL-03
Revision	B



Rev	Description	By	Appd	Date
B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: SIGNS AND LINEMARKING LAYOUT - SHEET 4 / 4



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

DETAILED DESIGN	
Job Number	25019
Drawing Number	25019-HEG-C08-SL-04
Revision	B

**SIGNAGE LEGEND**

CODE	#Posts	SIGN ID	DESCRIPTION	EXISTING LOCATION			PROPOSED LOCATION			SIGN DETAILS		POST DETAILS		MOUNTING		FOOTING		ADDITIONAL DETAILS
				CONTROL LINE	CHAINAGE	STATUS	LHS/RHS	CONTROL LINE	CHAINAGE	SIGN SIZE	#POSTS	POST SIZE	LENGTH (m)	HEIGHT (m)	D (m)	L (m)		
E01-01	1	R4-1(80)	POSTED SPEED 80KM/H	MC01	10	RETAIN												
E01-02	1	W1-3(R)	RIGHT CURVE	MC01	50	RETAIN												
E01-03	2	CUSTOM	CUSTOM G11-9; FERRY SIGN, GUIDE SIGNS	MC01	70	RETAIN												
E01-04	1	CUSTOM	CUSTOM DAINTREE RADIO	MC01	87	RETAIN												
E01-05	1	R4-1(40)	POSTED SPEED 40KM/H	MC01	160	REMOVE												
E01-06	1	R4-1(40)	POSTED SPEED 40KM/H	MC01	160	REMOVE												
E01-07	1	W5-1, W8-5(470)	FERRY AND DISTANCE TO SIGN	MC01	190	RELOCATE												Salvage and relocate to RE01-07
E01-08	2	CUSTOM	WAY FINDING	MC05	10	RELOCATE												Salvage and relocate to RE01-08
E01-09	2	CUSTOM	CUSTOM FLOOD SIGN	MC01	325	RELOCATE												Salvage and relocate to RE01-09
E01-10	1	W4-4, CUSTOM	FORK IN ROAD AND CUSTOM FERRY	MC01	350	RELOCATE												Salvage and relocate W4-4 to RE01-10 remove custom sign
E01-11	1	CUSTOM	CUSTOM DAINTREE RADIO	MC01	360	RELOCATE												Salvage and relocate to RE01-11
E01-12	1	R4-1(40)	POSTED SPEED 60KM/H	MC01	10	REMOVE												
E01-14	1	R2-4	NO ENTRY	MC03	25	RETAIN												
E02-01	2	CUSTOM	FERRY PRICE SIGN	MC01	430	RELOCATE												Salvage and relocate to RE02-01
E02-02	1	R2-17	ONE WAY SIGN	MC01	445	RELOCATE												Salvage and relocate to RE02-02
E02-03	1	R2-17	ONE WAY SIGN	MC01	445	RELOCATE												Salvage and relocate to RE02-03
E02-04	1	R2-4	NO ENTRY	MC03	105	REMAIN												
E02-05	1	R2-4	NO ENTRY	MC03	105	REMAIN												
E02-06	1	G9-69	WRONG WAY GO BACK	MC03	120	REMAIN												
E02-07	2	G9-4	BRIDGE LOAD RATING	MC01	470	REMAIN												
E02-08	2	Custom	CUSTOM FERRY LANES	MC01	460	RELOCATE												Salvage and relocate to RE02-08
E02-09	1	W3-4, W8-5(200)	SPEED BUMP AHEAD AND 200M DISTANCE SIGN	MC01	477	RELOCATE												Salvage and relocate to RE02-09
E02-10	1	W3-4, W8-5(200)	SPEED BUMP AHEAD AND 200M DISTANCE SIGN	MC01	477	REMOVE												
E02-11	1	R2-6(R)	NO RIGHT TURN	MC04	0	REMOVE												
E02-12	1	R2-4, R1-2	NO ENTRY, GIVE WAY	MC04	1	REMOVE												
E02-13	1	R2-2(R)	ONE WAY	MC01	585	REMOVE												
E02-14	1	W5-10	SPEED BUMP	MC01	590	REMOVE												
E02-15	1	W8-27	PREPARE TO STOP	MC01	600	REMOVE												
E02-16	1	CUSTOM	PURCHASE TICKETS HERE	MC01	615	REMOVE												
E02-17	2	CUSTOM	CUSTOM NO CAMPING	MC01	690	REMAIN												
E02-18	1	W5-10	SPEED BUMP	MC04	55	REMOVE												
E02-19	1	GE9-15	WRONG WAY	DIRT ROAD	-	REMOVE												
E02-20	1	CUSTOM	CUSTOM RETURN TO FERRY	DIRT ROAD	-	REMOVE												
E02-21	1	CUSTOM	QUEENSLAND PARK AND WILDLIFE SERVICES CROCODILE SIGN	MC01	710	REMAIN												
E02-24	1	R4-1(40)	POSTED SPEED LIMIT 40KM/H	MC03	375	REMOVE												
E02-25	1	R4-1(6)	POSTED SPEED LIMIT 6KM/H	MC04	175	REMOVE												
E02-26	1	CUSTOM	CUSTOM DAINTREE RADIO	MC01	690	RETAIN												
E02-27	1	CUSTOM	CUSTOM CROCODILE INFO	MC01	715	RETAIN												
E03-01	2	QPWS CROC	QUEENSLAND PARK AND WILDLIFE SERVICES CROCODILE SIGN	MC02	25	REMAIN												
E03-02	2	CUSTOM	CUSTOM FERRY PRICES	MC02	10	REMAIN												
E03-03	2	CUSTOM	CUSTOM CROCODILE INFO	MC02	20	REMAIN												
E03-04	1	CUSTOM	CUSTOM DAINTREE RADIO	MC02	19	REMAIN												
E03-05	1	R1-1	STOP SIGN	MC02	18	REMAIN												
E03-06	2	QPWS CROC	QUEENSLAND PARK AND WILDLIFE SERVICES CROCODILE SIGN	MC02	11	REMAIN												
E03-07	1	R5-31(L)	DISABLED PARKING TO LEFT SIGN	MC02	25	RELOCATE												Salvage and relocate to RE03-07
E03-08	1	R5-31(R)	DISABLED PARKING TO RIGHT SIGN	MC02	27	RELOCATE												Salvage and relocate to RE03-08
E03-09	1	W8-27	PREPARE TO STOP	MC02	75	REMAIN												
E03-10	1	PUBLIC TOILETS	PUBLIC TOILETS SIGN	MC02	45	RELOCATE												Salvage and relocate to RE03-10
E03-11	1	CUSTOM	CUSTOM CAPE TRIBULATION INFORMATION	MC02	40	RELOCATE												Salvage and relocate to RE03-11
E03-12	1	DRIVE LEFT	DRIVE LEFT IN AUSTRALIA	MC02	62	RELOCATE												Salvage and relocate to RE03-12
E03-13	2	W2-4(L)	T INTERSECTION TO THE LEFT	MC02	75	RELOCATE												Salvage and relocate to RE03-13
E03-14	1	R4-1(40)	POSTED SPEED LIMIT 40KM/H	MC02	120	RELOCATE												Salvage and relocate to RE03-14
E03-15	1	CUSTOM	CUSTOM SCHOOL BUS SIGN	MC02	155	RELOCATE												Salvage and relocate to RE03-15
E03-16	1	W8-27	PREPARE TO STOP	MC02	160	REMAIN												
E03-17	2	D4-1-1	2XD4-1-1 BIDIRECTIONAL HAZARD	MC02	345	RELOCATE												Salvage and relocate to RE03-17
E03-18	2	G9-18, WAYFINDING	NO THROUGH ROAD AND WAYFINDING SIGN	MC02	350	REMAIN												
E03-19	1	TRAFFIC MIRROR	TRAFFIC MIRROR	MC02	350	RELOCATE												Salvage and relocate to RE03-19
E03-20	2	CUSTOM	CUSTOM ROUTE SIGN	MC02	355	REMAIN												
E03-21	1	R1-1	STOP SIGN	MC07	15	REMAIN												
E04-01	1	CUSTOM	CUSTOM PRIVATE PROPERTY	MC02	380	REMAIN												
N01-00	1	G9-79-40	POSTED SPEED 40KM/H AHEAD			NEW	LHS	MC01	TBC	A	1	60.3 OD	3.3	2	0.3	0.75		Place prior to the start of the project - locations to TBC
N01-01	1	R4-10(40), G9-9	40KM/H AREA, REDUCE SPEED			NEW	LHS	MC01	10	A	1	60.3 OD	4.375	2	0.3	0.75		
N01-02	2	CUSTOM	CUSTOM FERRY SIGN			NEW	LHS	MC01	260	A	2	88.9 OD	4.9	2	0.3	1.10		
N01-03	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	150	A	1	60.3 OD	3.8	2	0.3	0.75		

B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
Rev	Description	By	Appd	Date
	AMENDMENTS			



*Scales*

*Client:* DURACK CIVIL  
*Project:* DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
*Drawing Title:* SIGNAGE SCHEDULE - SHEET 1 / 3



<i>Design</i>	ES
<i>Drawn</i>	PS
<i>Date</i>	18/12/2025
<i>Checked</i>	NH
<i>Approved</i>	ES
<i>RPEO No.</i>	

**DETAILED DESIGN**

*Job Number*  
25019

*Drawing Number*  
25019-HEG-C08-SL-05

*Revision*  
B

THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE

www.hanseneng.com.au

## SIGNAGE LEGEND

CODE	#Posts	SIGN ID	DESCRIPTION	EXISTING LOCATION			PROPOSED LOCATION			SIGN DETAILS		POST DETAILS		MOUNTING		FOOTING		ADDITIONAL DETAILS
				CONTROL LINE	CHAINAGE	STATUS	LHS/RHS	CONTROL LINE	CHAINAGE	SIGN SIZE	#POSTS	POST SIZE	LENGTH (m)	HEIGHT (m)	D (m)	L (m)		
N01-04	1	G3-5(MCDOWALL LANE)	STREET NAME			NEW	LHS	MC01	225	A	1	60.3 OD	3.3	2	0.3	0.75		
N01-05	1	R1-2	GIVE WAY			NEW	RHS	MC05	12	A	1	60.3 OD	3.3	2	0.3	0.75		
N01-06	1	R2-4, GE9-15	NO ENTRY, WRONG WAY			NEW	RHS	MC05	35	A	1	60.3 OD	3.3	2	0.3	0.75		
N01-07	1	R2-4	NO ENTRY			NEW	LHS	MC06	40	A	1	60.3 OD	3	2	0.3	0.75		
N01-08	1	R1-2	GIVE WAY			NEW	RHS	MC06	5	A	1	60.3 OD	3	2	0.3	0.75		
N01-09	2	CUSTOM	CUSTOM FERRY SIGN			NEW	LHS	MC01	300	A	2	88.9 OD	4.9	2	0.3	1.10		
N01-10	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	335	A	1	60.3 OD	4.7	2	0.3	0.75		
N01-11	0	GE9-15	WRONG WAY			NEW	RHS	MC03	25	A							ADD TO E01-14 POST	
N01-12	1	R1-1	STOP			NEW	RHS	MC01	420	A	1	60.3 OD	3.5	2	0.3	0.75		
N01-13	1	R1-1	STOP			NEW	LHS	MC01	420	A	1	60.3 OD	3.5	2	0.3	0.75		
N01-14	1	W4-10	TWO LANES OPPOSING			NEW	RHS	MC03	30	B	1	60.3 OD	3.5	2	0.3	0.75		
N01-15	1	W4-10	TWO LANES OPPOSING			NEW	LHS	MC01	40	A	1	60.3 OD	3.5	2	0.3	0.75		
N01-16	3	2X D4-1-1	BIDIRECTIONAL HAZARD MARKER			NEW	RHS	MC01	190	A	3	60.3 OD	3.33	1.2	0.3	0.75		
N01-17	1	W3-1	STOP SIGN AHEAD			NEW	LHS	MC01	380	A	1	60.3 OD	4.5	2	0.3	0.75		
N01-18	1	W3-1	STOP SIGN AHEAD			NEW	LHS	MC03	33	A	1	60.3 OD	4.5	2	0.3	0.75		
N01-19	1	W1-1(L)	SHARP TURN LEFT			NEW	RHS	MC06	25	A	1	60.3 OD	3.5	2	0.3	0.75		
N01-20	1	R4-11(40)	END 40 AREA			NEW	LHS	MC01	10	A							ADD TO E01-01 POST	
N01-21	3	2X D4-1-1	BIDIRECTIONAL HAZARD MARKER			NEW	RHS	MC01	285	A	3	60.3 OD	3.33	1.2	0.3	0.75		
N01-22	1	R2-11	BIDIRECTIONAL TRAFFIC			NEW	RHS	MC01	130	A	1	60.3 OD	3.775	2	0.3	0.75		
N01-23	1	R2-3(L)	KEEP LEFT			NEW	LHS	MC01	277	A	1	60.3 OD	3.33	1.2	0.3	0.75		
N01-24	1	R2-3(L)	KEEP LEFT			NEW	LHS	MC01	285	A	1	60.3 OD	3.33	1.2	0.3	0.75		
N02-01	1	R1-2, R2-2	ONE WAY, GIVE WAY			NEW	RHS	MC03	85	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-02	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC01	487	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-03	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	487	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-04	1	R2-3 (L)	KEEP LEFT			NEW	RHS	MC03	420	A	1	60.3 OD	2.4	1.2	0.3	0.75		
N02-05	1	R4-1(40)	40KM/H			NEW	RHS	MC03	380	A	1	60.3 OD	3.3	2	0.3	0.75		
N02-06	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC01	540	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-07	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	540	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-08	2	CUSTOM	CUSTOM FERRY LANE SIGN			NEW	RHS	MC01	555	A	3	88.9 OD	4.65	2	0.3	1.10		
N02-09	2	CUSTOM	CUSTOM FERRY LANE SIGN			NEW	LHS	MC01	555	A	3	88.9 OD	4.65	2	0.3	1.10		
N02-10	2	CUSTOM	CUSTOM LANE SIGN			NEW	LHS	MC01	615	A	2	76.1 OD	4.5	2	0.3	1		
N02-11	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC01	635	A	1	60.3 OD	4.1	2	0.3	0.75		
N02-12	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	635	A	1	60.3 OD	4.1	2	0.3	0.75		
N02-13	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC01	675	A	1	60.3 OD	4.1	2	0.3	0.75		
N02-14	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC01	675	A	1	60.3 OD	4.1	2	0.3	0.75		
N02-15	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC04	65	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-16	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC04	65	A	1	60.3 OD	4.5	2	0.3	0.75		
N02-17	1	R4-4	SHARED ZONE 10KM/H			NEW	RHS	MC01	755	A	1	60.3 OD	2.5	2	0.3	0.75		
N02-18	1	R4-4	SHARED ZONE 10KM/H			NEW	LHS	MC03	430	A	1	60.3 OD	3.775	2	0.3	0.75		
N02-19	1	G9-15	FORM 1 LANE			NEW	RHS	MC03	260	A	1	60.3 OD	4.3	2	0.3	0.75		
N02-20	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC04	103	A	1	60.3 OD	4.3	2	0.3	0.75		
N02-21	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC04	103	A	1	60.3 OD	4.3	2	0.3	0.75		
N02-22	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC04	165	A	1	60.3 OD	4.3	2	0.3	0.75		
N02-23	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC03	375	A	1	60.3 OD	4.3	2	0.3	0.75		
N02-24	2	CUSTOM	CUSTOM LANE SIGN			NEW	RHS	MC03	390	A	2	76.1 OD	4.6	2	0.3	1		
N03-01	1	NO PARKING	NO PARKING IN DRIVEWAY			NEW	LHS	MC02	30	A	1	60.3 OD	3.775	2	0.3	0.75		
N03-02	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC02	70	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-03	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC02	147	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-04	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	LHS	MC02	147	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-05	1	G9-15	FORM ONE LANE			NEW	LHS	MC02	200	A	1	60.3 OD	3.775	2	0.3	0.75		
N03-06	2	CUSTOM	CUSTOM LANE SIGN			NEW	RHS	MC02	190	A	2	76.1 OD	4.5	2	0.3	1		
N03-07	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC02	205	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-08	1	GW9-15, R2-4	NO ENTRY AND WRONG WAY			NEW	LHS	MC02	245	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-09	1	R4-1(40)	POSTED SPEED LIMIT 40KM/H			NEW	LHS	MC02	275	A	1	60.3 OD	3.775	2	0.3	0.75		
N03-10	1	W3-4, W8-2(20)	SPEED BUMP AND 20 KM/H			NEW	RHS	MC02	267	A	1	60.3 OD	4.375	2	0.3	0.75		
N03-11	2	CUSTOM	CUSTOM LANE SIGN			NEW	RHS	MC02	310	A	2	76.1 OD	4.5	2	0.3	1		
N03-12	1	R4-4	SHARED ZONE 10KM/H			NEW	LHS	MC02	13	A	1	60.3 OD	3.775	2	0.3	0.75		
N03-13	1	R5-20(R)	BUS ZONE TO RIGHT			NEW	LHS	MC02	50	A	1	60.3 OD	3.775	2	0.3	0.75		
N03-14	1	R5-20(L)	BUS ZONE TO LEFT			NEW	LHS	MC02	90	A	1	60.3 OD	3.775	2	0.3	0.75		
N04-01	1	W3-4, W8-2(20)	SPEED BUMP AND 20KM/H			NEW	RHS	MC02	390	A	1	60.3 OD	4.375	2	0.3	0.75		
N04-02	1	W3-4, W8-17-2(500)	SPEED BUMP AHEAD AND NEXT 500M			NEW	RHS	MC02	540	A	1	60.3 OD	4.375	2	0.3	0.75		
N04-03	1	W5-Q13	QUEUING SIGN			NEW	RHS	MC02	460	A	1	60.3 OD	3.775	2	0.3	0.75		
N04-04	1	W3-4, W8-2(20)	SPEED BUMP AND 20KM/H			NEW	RHS	MC02	490	A	1	60.3 OD	4.375	2	0.3	0.75		
N04-05	2	CUSTOM	CUSTOM LANE SIGN			NEW	RHS	MC02	500	A	2	76.1 OD	4.5	2	0.3	1		
RE01-07	1	W5-1, W8-5(470)	FERRY AND DISTANCE TO SIGN			RELOCATED	LHS	MC01	190		1	60.3 OD	4.375	2	0.3	0.75		
RE01-08	2	CUSTOM	WAY FINDING			RELOCATED	RHS	MC05	10		1	60.3 OD	3.775	2	0.3	0.75		

B	100% Submission	PS	ES	18/12/2025
A	70% Submission	PS	ES	28/10/2025
Rev	Description	By	Appd	Date
	AMENDMENTS			



*Scales*

*Client:* DURACK CIVIL  
*Project:* DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
*Drawing Title:* SIGNAGE SCHEDULE - SHEET 2 / 3



<i>Design</i> ES	 <small>THIS DRAWING IS COPYRIGHT © DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.</small>
<i>Drawn</i> PS	
<i>Date</i> 18/12/2025	
<i>Checked</i> NH	
<i>Approved</i> ES	
<i>RPEQ No.</i>	

<b>DETAILED DESIGN</b>	
<i>Job Number</i>	<i>Revision</i>
25019	B
<i>Drawing Number</i>	
25019-HEG-C08-SL-06	

## SIGNAGE LEGEND

CODE	#Posts	SIGN ID	DESCRIPTION	EXISTING LOCATION			PROPOSED LOCATION			SIGN DETAILS		POST DETAILS		MOUNTING		FOOTING		ADDITIONAL DETAILS
				CONTROL LINE	CHAINAGE	STATUS	LHS/RHS	CONTROL LINE	CHAINAGE	SIGN SIZE	#POSTS	POST SIZE	LENGTH (m)	HEIGHT (m)	D (m)	L (m)		
RE01-09	2	CUSTOM	CUSTOM FLOOD SIGN			RELOCATED	LHS	MC01	325		2	76.1 OD	4.5	2	0.3	1		
RE01-10	1	W4-4	FORK IN ROAD			RELOCATED	LHS	MC01	350		1	60.3 OD	3.775	2	0.3	0.75		
RE01-11	1	CUSTOM	CUSTOM DAINTREE RADIO			RELOCATED	LHS	MC01	360		1	60.3 OD	3.775	2	0.3	0.75		
RE02-01	2	CUSTOM	FERRY PRICE SIGN			RELOCATED	LHS	MC01	4.15		2	76.1 OD	4.5	2	0.3	1		
RE02-02	1	R2-17	ONE WAY SIGN			RELOCATED	LHS	MC01	445		1	60.3 OD	3.775	2	0.3	0.75		
RE02-03	1	R2-17	ONE WAY SIGN			RELOCATED	RHS	MC01	445		1	60.3 OD	3.775	2	0.3	0.75		
RE02-08	2	R6-17	CUSTOM FERRY LANES			RELOCATED	RHS	MC01	460		2	76.1 OD	4.5	2	0.3	1		
RE02-09	1	W3-4, W8-5(200)	SPEED BUMP AHEAD AND 200M DISTANCE SIGN			RELOCATED	LHS	MC01	477		1	60.3 OD	4.375	2	0.3	0.75		
RE03-07	1	R5-31(L)	DISABLED PARKING TO LEFT SIGN			RELOCATED	LHS	MC02	25		1	60.3 OD	3.775	2	0.3	0.75		
RE03-08	1	R5-31(R)	DISABLED PARKING TO RIGHT SIGN			RELOCATED	LHS	MC02	27		1	60.3 OD	3.775	2	0.3	0.75		
RE03-10	1	PUBLIC TOILETS	PUBLIC TOILETS SIGN			RELOCATED	LHS	MC02	45		1	60.3 OD	3.775	2	0.3	0.75		
RE03-11	2	CUSTOM	CUSTOM CAPE TRIBULATION INFORMATION			RELOCATED	LHS	MC02	45		2	76.1 OD	2	0.5	0.3	1		
RE03-12	1	DRIVE LEFT	DRIVE LEFT IN AUSTRALIA			RELOCATED	LHS	MC02	95		1	60.3 OD	3.775	2	0.3	0.75		
RE03-13	2	W2-4(L)	T INTERSECTION TO THE LEFT			RELOCATED	LHS	MC02	105		1	60.3 OD	3.775	2	0.3	0.75		
RE03-14	1	R4-1(40)	POSTED SPEED LIMIT 40KM/H			RELOCATED	LHS	MC02	120		1	60.3 OD	3.775	2	0.3	0.75		
RE03-15	2	CUSTOM	CUSTOM SCHOOL BUS SIGN			RELOCATED	LHS	MC02	155		2	76.1 OD	4.5	2	0.3	1		
RE03-17	2	D4-1-1	2XD4-1-1 BIDIRECTIONAL HAZARD			RELOCATED	RHS	MC02	345		3	60.3 OD	3.33	1.2	0.3	0.75		
RE03-19	1	MIRROR	TRAFFIC MIRROR			RELOCATED	RHS	MC02	350		1	60.3 OD	3.775	2	0.3	0.75		

A	100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date
AMENDMENTS				



*Scales*

*Client:* DURACK CIVIL  
*Project:* DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
*Drawing Title:* SIGNAGE SCHEDULE - SHEET 3 / 3



<i>Design</i> ES	
<i>Drawn</i> PS	
<i>Date</i> 18/12/2025	
<i>Checked</i> NH	
<i>Approved</i> ES	
<i>RPEQ No.</i>	

**DETAILED DESIGN**

*Job Number*  
25019

*Drawing Number*  
25019-HEG-C08-SL-07

*Revision*  
A

THIS DRAWING IS COPYRIGHT ©  
DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

**GENERAL NOTES**

- Refer to drawing GN-01 for General Notes and Civil Notes.
- Comply with the latest edition of all referenced standards.
- The contractor shall give a minimum of 48hrs notice for inspection prior to constructing elements.
- These drawings shall be read in conjunction with all other consultants drawings and specifications.
- All dimensions relevant to setting out and off-site work shall be verified by the contractor before construction and fabrication.
- The contractor shall maintain the structure in a stable condition at all times and ensure no part is overstressed during construction activities.
- The contractor shall engage an RPEQ Engineer to provide certification of all propping, shoring, temporary works, falseworks and other temporary elements where required by the Workplace Health and Safety Act, SAA Standards and other applicable legislation at their own cost.
- Where there is a discrepancy between the structural drawings and other consultants drawings, the contractor shall, prior to commencement of construction, contact the principals representative for clarification.
- The contractor shall coordinate all services to ensure there are no clashes with structural elements, the contractor shall locate existing services and contact principals representative for advice if clashes occur.
- Where trade names have been used for particular product requirements, an equivalent product may be submitted for engineering approval prior to use.
- All proprietary products shall be fixed in accordance with the manufacturer's requirements to withstand the applicable design loads unless specifically varied by the documents.

**DESIGN LOADS**

1.The structural design criteria are as follows.

General:

- Building classification: 10b
- Importance level 2
- Design life: 50 years
- Annual probability of exceedance 1:500 (wind)
- 1:500 (earthquake)

Imposed loads (to AS1170.0 & .1):

- Ground Slabs: 5.0 kPa
- Stairways: 2.5 kPa
- Roof: 0.25 kPa
- Ramps: Sm1600 to AS5100.2

Wind loads (to AS1170.2):

- Region: C
- Terrain category: 2
- Climate multiplier Mc = 1.05
- Directional multiplier Md = 0.9
- Terrain / height multiplier Mz cat = 1.0
- Topographic multiplier Mt = 1.0
- Shielding multiplier Ms = 1.0
- Design gust wind speed Vdes = 62.4 m/s

Earthquakes loads (to AS1170.4):

- Probability factor kp = 1.0
- Hazard factor Z = 0.6
- Earthquake design category 2
- Site sub-soil class De

Marine loads (to AS4997):

- Design vessel:
- Unladen mass: 370t
  - Laden mass: 480t
  - Operating velocity: 2m/s
  - Max velocity: 4m/s
  - Dimensions: 63.73mx17.3mx1.75m
  - Draft: 0.46m (unladen), 0.6m (laden)

Mooring Pile:

- 1% AEP river velocity: 1m/s
- Berthing velocity: 0.6 m/s
- Debris mat: 1.2m
- Mooring rated bollard capacity: 200kN
- Mooring pile has NOT been designed for abnormal berthing loads.

Dry dock inspection Anchor points:

- Max ground gradient: 20%
- Rolling resistance coefficient: 0.01
- Mass of attachments: 1t
- Dynamic factor: 1.5
- ULS factor: 2.0

Cable Anchor points:

- Operating velocity: 2m/s
- 1% AEP river velocity: 1m/s
- Dynamic factor: Nil
- ULS factor: 2.0

- Marine loads based on preliminary vessel information only. Final vessel design to be submitted to Engineer for confirmation prior to construction.
- During inspection, the vessel shall be anchored to at least 2 anchor points at all times, and a load distribution device shall be used to ensure equal load distribution over all anchor points.
- Final cable anchor loads and details to be provided by vessel manufacturer.

**FOUNDATION AND EARTHWORKS**

- Design has been performed based on geotechnical assessment report 22092AA-D-R01-v2 by GeoDesign
- All slabs, footings, and foundations shall be founded on an allowable bearing capacity of 100 kPa and shall be confirmed by a suitably qualified geotechnical engineer prior to construction.
- Any soft spots, uncontrolled fill or sandy clay shall be excavated and replaced with Type 2.1 granular fill compacted to at least 98% SRDD or crushed rock fill wrapped in geofabric material.
- All earthworks shall be in accordance with AS3798.

**STEELWORK**

1. In accordance with the requirements of AS/NZS5131 the construction categories for this project are defined below:

ELEMENT	IMPORTANCE LEVEL	SERVICE CATEGORY	FABRICATION CATEGORY	CONSTRUCTION CATEGORY
ALL STRUCTURAL STEELWORK U.N.O	IL2	SC1	FC1	CC2

- All steelwork shall be executed in accordance with the current edition of the relevant codes of practice:
  - AS 1111 – ISO Metric hexagon bolts and screws.
  - AS 1112 – ISO Metric hexagon nuts, including thin nuts, slotted nuts and castle nuts.
  - AS 1214 – Hot-dip galvanized coatings on threaded fasteners.
  - AS/NZS 1252.1 – High-strength steel fastener assemblies for structural engineering – bolts, nuts and washers.
  - AS/NZS 1163 – Cold-formed structural steel hollow sections.
  - AS/NZS 1554 – Structural steel welding.
  - AS 1559 – Hot-dip galvanized steel bolts and associated nuts and washers for tower construction.
  - AS/NZS 1594 – Hot-rolled steel flat products.
  - AS/NZS 3678 – Structural steel – hot-rolled plates, floorplates and slabs.
  - AS/NZS 3679.1 – Structural steel hot-rolled bars and sections.
  - AS/NZS 3679.2 – Structural steel welded I sections.
  - AS 4100 – Steel structures.
  - AS/NZS 4600 – Cold-formed steel structures.
  - AS/NZS 5131 – Structural steelwork – fabrication and erection.
- Unless noted otherwise, all steel shall be in accordance with AS 3678, AS 3679, AS 1163.
  - Hot rolled sections – grade 300 plus
  - Welded sections (WB, WC) – grade 300 plus
  - Plates – grade 250
  - RHS, SHS and CHS – grade 350
- All dimensions shall be carefully verified by the contractor on site on site before commencing fabrication.
- Refer to the general notes for the required construction categories for this project.
- Steelwork shop drawings are to be submitted to the principals representative for review 14 days prior to commencement of fabrication.
- All cleats, stiffener plates and gussets shall be 10mm plate unless noted otherwise.
- All structural steel fixing details, where not specifically shown are to be in accordance with AISC Structural Connection Details.
- All bolts shall be M20 grade 8.8/S unless noted otherwise.
- All bolts to be hot dip galvanized unless noted otherwise.
- All bolts shall be hexagonal head with the bolt grade and manufacturer's name in the head.



12. For bolts other than as noted above, the following notation is used:  
Bolts – designated by the number, diameter, grade and tightening method

MARK	4.6/S	8.8/S	8.8/TB	8.8/TF
BOLT GRADE	4.6	8.8	8.8	8.8
AUSTRALIAN STANDARD	AS 1111	AS 1252	AS 1252	AS 1252
TIGHTENING METHOD	SNUG TIGHTENED	SNUG TIGHTENED	FULLY TENSIONED (REFER NOTE 17)	FULLY TENSIONED (REFER NOTE 17)

13. Unless noted otherwise, all bolt grading shall be as follows:

Bolt size	Grade
• M10	4.6/s
• M12	4.6/s
• M16	8.8/s
• M20	8.8/s
• M24	8.8/s

14. All hold down bolts shall be grade 4.6/S unless noted otherwise.

15. Bolt hole size shall be:

- Bolt diameter plus 2mm for steel to steel connections.
- Bolt diameter plus 4mm for steel to concrete connections (cast-in bolts).
- Bolt diameter plus 4mm for steel to concrete connections (chemical/mechanical anchor bolts).

16. Contact surfaces of TF and TB connections shall be left unpainted and free of scale unless otherwise specified. (Inorganic zinc silicate paint is acceptable in 8.8/TF joints).

17. All high strength structural bolts nominated as grade 8.8/TF or 8.8/TB shall be tightened by the 'part-turn' method as described in AS 4100. Bolts and nuts shall carry permanent location marks in the form of a punch mark or direct tension indicator (DTI) at no additional cost.

18. Where shop splices are necessary in beam, other than indicated on the structural drawings, the position and nature of the splice shall be submitted to the engineer for approval.

19. All hot dip galvanized members shall be provided with vent holes.

20. Chemset™ refers to Ramset Chemset 801 chemical anchoring system installed in accordance with manufacturer's specifications (i.e. spacing, depth, hole clean-out, placement & load times etc.) or approved equivalent.

21. 10% of chemical anchors to be tested. Contractor to obtain proof loads from the manufacturer.

22. Purlin and girt members and fixings shall be Lysaght/Stramit cold formed sections U.N.O. designed in accordance with AS/NZS 4600. No substitution shall be made without written approval from the engineer.

23. Trimming members shall be provided for all mechanical/hydraulic penetrations. Trimming members shall be the same size as adjacent members unless noted otherwise. Trimming members shall be provided for valleys and ridges and shall be the same size as the adjacent members unless noted otherwise.

24. Unless noted otherwise, purlin, girt and bridging systems shall be as specified by Lysaght/Stramit. All bolting, laps and bridging strictly to manufacturer's specification.

25. All steels to be Australasian Certification Authority for Reinforcing and Structural Steels (ACRS) certified.

26. Hollow section ends are to be sealed with 4mm thick plates and continuous fillet welds unless noted otherwise.

27. All welding shall be performed by a qualified welder in accordance with AS 1554.

28. Unless noted otherwise, all welds shall be 6mm continuous fillet welds.

29. All welds shall be 'SP' category.

30. All weld metal shall have a nominal tensile strength (f<sub>w</sub>) of 490MPa minimum.

31. All welds shall be chipped off to remove all slag.

32. Minimum extent of NDE to AS/NZS 1554.1 of all welds shall be as follows:

WELD CATEGORY	EXTENT OF NON DESTRUCTIVE EXAMINATION (NDE)			
	VISUAL MEANS		OTHER MEANS	
	SCANNING	EXAMINATION	MAGNETIC PARTIAL OR LIQUID PENETRANT	RADIOGRAPHY OR ULTRASONICS
GP	100%	15%	1%	NIL
SP	100%	30%	5%	5%
BUTT WELDS IN PILES	100%	100%	100%	100%

					Scales: NTS	Client: DURACK CIVIL		Design: TH		<b>DETAILED DESIGN</b>	
						Project: DAINTREE FERRY INFRASTRUCTURE UPGRADE		Drawn: SR		Job Number: 25019	
						Drawing Title: STRUCTURAL NOTES - SHEET 1 / 2		Date: 18/12/2025		Drawing Number: 25019-HEG-S01-SN-01	
						Drawing No.		Approved: TH		Revision: B	
100% Submission				SR	TH	4/11/2025					
70% Submission				PS	TH	4/11/2025					
Description				By	Appd	Date					
AMENDMENTS											

## CONCRETE AND REINFORCEMENT

- All concrete work shall be executed in accordance with the following codes, unless specifically varied by the contract documents.
  - AS 2870 – Residential Slabs and Footings.
  - AS 3600 – Concrete Structures.
  - AS 3610 – Formwork For Concrete.
  - AS/NZS 4671 – Steel Reinforcing Materials.
- The characteristic compressive strength of concrete ( $f'_c$ ), slump, maximum aggregate size and exposure classification shall be as follows:

LOCATION	$f'_c$ AT 28 DAYS (MPa)	SLUMP (mm)	MAX. AGGREGATE SIZE (mm)	EXPOSURE CLASSIFICATION
GENERAL FOOTINGS	S50	80	20	B2
GROUND SLABS	S50	80	20	B2
ALL OTHER	S50	80	20	B2
PRECAST RAMPS	S50	80	20	C2
DRY DOCK ANCHOR	S50	80	20	B2
CABLE ANCHOR	S50	80	20	C2

All cement is to be GP, GB, or SR as required complying with AS3972. At least 25% fly ash shall be used as a cement substitute.

- No additives shall be added or applied to the concrete mix without the approval of the engineer.
- Refer slab plan for design notes for slab on ground.
- Provide 200 micron visqueen under all slabs. Lap and tape all joints.
- The nominal concrete cover (mm) to reinforcement steel and strands shall be as follows U.N.O.:

ELEMENT	COMMENT	COVER
GENERAL FOOTINGS	CAST AGAINST GROUND	55
SLAB ON GROUND	CAST AGAINST BLINDING	45
PRECAST RAMPS	RIGID FORMS & INTENSE COMPACTION	60
DRY DOCK ANCHOR	CAST AGAINST GROUND	55
CABLE ANCHOR	CAST AGAINST GROUND	85

- All concrete shall be mechanically vibrated in accordance with AS 3600. Vibrators shall not be used to spread concrete.
- Sizes shown are structural sizes and do not include applied finishes.
- All exposed edges shall have 15mm chamfer U.N.O.
- Reinforcement is shown diagrammatically and not in true project.
- No chases or holes other than those shown on the structural drawings will be permitted in concrete members without prior approval of the engineer.
- Formwork finishes and finish class as per the Architects specification.
- Welding of reinforcement will not be permitted without approval from engineer.
- Stripping of formwork shall be as per AS 3610.
- Stripping of formwork and repropping of suspended slabs and beams shall be carried out progressively so that, at no stage is the slab or beam unsupported until it is permitted to fully remove all propping.
- In multi-story construction, props shall be located in the same position on each floor so that they will be continuous in their support from floor to floor. Where the number of props on a floor is reduced, the remaining props shall be located directly under props on the floor above.
- Splices in reinforcement to be made in places shown or approved in all cases. Generally at the midspan for top steel and near supports for bottom steel.



- Where not shown on the drawings, the lapped length shall be as follows:

Bar	Minimum lap length for horizontal bars with greater than 300mm cast below (mm)	Minimum lap length for all other bars
N12	600	450
N16	800	600
N20	1000	750
N24	1300	1000
N28	1650	1250
N32	2000	1550
N36	2400	1850
N40	2800	2150

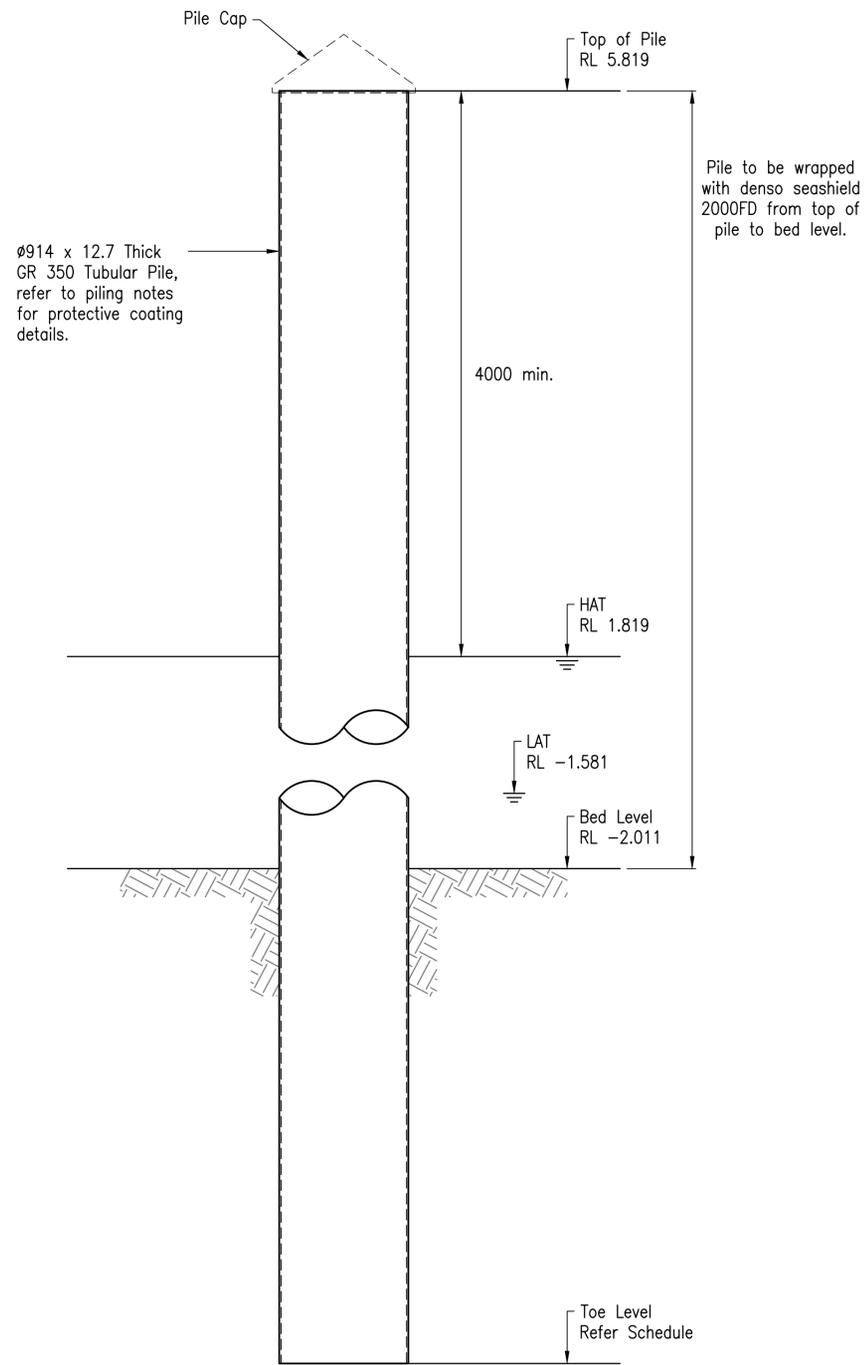
Lengths shown in the above table are based on AS 5100.5 for D500N reinforcement in tension or compression, using 40MPa concrete with minimum 40mm cover, minimum 100mm centres at maximum stress. If the contractor requires a development length and/or a lap length for a different scenario, then the contractor shall submit a request to the designer.

- All starter bars to reinforced concrete walls, columns and all masonry walls and piers are to be tied into the footing reinforcement.
- No construction or expansion joints are permitted unless shown on drawings.
- Concrete testing results to be provided at two tests per work lot.
- All concrete testing shall be performed by NATA registered laboratories.
- Non-shrink grout shall be Parchem Conbextra CB Cementitious, or approved equivalent installed in accordance with manufacturer's specifications.
- Where service pipes penetrate concrete elements, provision should be made to allow movement of the element.
- All carbon reinforcing steel to be Australasian Certification Authority for Reinforcing and Structural Steels (ACRS) certified.

## PROTECTIVE COATINGS

- All steelworks outside of the tidal zone shall be hot dipped galvanized to at least HDG600 in accordance with AZ4680 and AS2312.2 or painted with an approved protective coating system as per Table 3.6 of AS2312.1 selected to achieve 25 years life to first maintenance.
- Piles shall be protected as per Piling Notes and the pile details.

				<b>DURACK</b>		Scales NTS		Client: DURACK CIVIL		<b>HANSEN</b> ENGINEERING GROUP www.hanseneng.com.au		<table border="1"> <tr> <td>Design</td> <td>TH</td> </tr> <tr> <td>Drawn</td> <td>SR</td> </tr> <tr> <td>Date</td> <td>18/12/2025</td> </tr> <tr> <td>Checked</td> <td>NH</td> </tr> <tr> <td>Approved</td> <td>TH</td> </tr> <tr> <td>RPEQ No.</td> <td></td> </tr> </table>		Design	TH	Drawn	SR	Date	18/12/2025	Checked	NH	Approved	TH	RPEQ No.		<b>DETAILED DESIGN</b> Job Number 25019 Drawing Number 25019-HEG-S01-SN-02 Revision B	
Design	TH																										
Drawn	SR																										
Date	18/12/2025																										
Checked	NH																										
Approved	TH																										
RPEQ No.																											
B 100% Submission A 70% Submission Rev Description		SR TH 4/11/2025 PS TH 4/11/2025 By Appd Date						Project: DAINTREE FERRY INFRASTRUCTURE UPGRADE Drawing Title: STRUCTURAL NOTES - SHEET 2 / 2				THIS DRAWING IS COPYRIGHT © DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.															



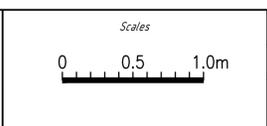
MOORING PILE ELEVATION  
Scale 1:25

PILE SCHEDULE										
PILE MARK	EASTING	NORTHING	PILE SIZE	CUTOFF LEVEL	MIN. TOE LEVEL	CONTINGENCY ALLOWANCE	TOTAL LENGTH	ULS COMPRESSION	ULS TENSION	COMMENTS
	(m)	(m)		(m AHD)	(m AHD)	(m)	(m)	(kN)	(kN)	
P1	328775.011	8201591.437	914 dia. 12.7 thick gr. 350	5.8	-20	2	27.8	-	-	Mooring Pile south

**PILING NOTES**

- All locations are preliminary only and to be coordinated with ferry supplier and operator prior to construction
- All piles shall be grade 350 welded tubular steel piles to AS3678.
- All piles must be driven to achieve the design loads & minimum embedments of not less than the values shown in the Piling Schedule.
- The Piling Contractor shall engage a suitably qualified geotechnical engineer RPEQ to supervise and certify piling works.
- For the purposes of preliminary design, a geotechnical strength reduction factor (phig) of 0.5 has been assumed. The piling contractor's RPEQ may vary the adopted value of phig based on the level of testing, supervision, and ground conditions encountered during works.
- At least one pile per pile group shall be tested with PDA and PDM for the full depth of driving. Pile P1 (Mooring Pile) shall be tested.
- Estimated founding levels shown in the Piling Schedule are approximate values only. A 2m overdrive allowance has been included. The Piling Contractor shall perform their own assessment and may increase or decrease the overdrive/contingency allowance to suit their proposed construction method.
- All piles shall be coated with the following marine protective coating system or an approved equivalent:
  - Abrasive blast clean to AS 1627.4 Class 2.5 finish.
  - Apply two coats of International Marine Coatings Interzone 954 to 500 microns DFT total from top of pile to at least 1m below bed/ground level or 1m below LAT (whichever is lower).
  - Apply Denso SeaShield 2000FD from top of pile to bed/ground level.
- Positional tolerance for all piles shall be +/- 75mm. If final positions are outside of tolerance, refer to Engineer for advice.
- Any alternative pile designs shall be certified by the Piling Contractor's RPEQ and submitted to the Administrator for approval.
- Pile locations are preliminary only and to be coordinated with the vessel manufacturer and operator prior to construction.
- Refer to existing pile inspection report by PMG, reference 6139/FD78\_Final Report. Existing piles shall be inspected and repaired, including as a minimum:
  - Remove all flaking or delaminating paint or other protective coatings and prepare surfaces for new coatings.
  - Path weld 10 mm thick plates over holes or other defects with more than 0.5mm section loss with 6mm CFW, full perimeter. Plate shall extend at least 50 mm beyond all defects in all directions.
  - Remove any corroded bolts, fixings, plates or attachments and replace with new like-for-life.
  - Apply new marine protective coating system as per notes above.

Rev	Description	By	Appd	Date
B	100% Submission	SR	TH	4/11/2025
A	70% Submission	PS	TH	4/11/2025
AMENDMENTS				

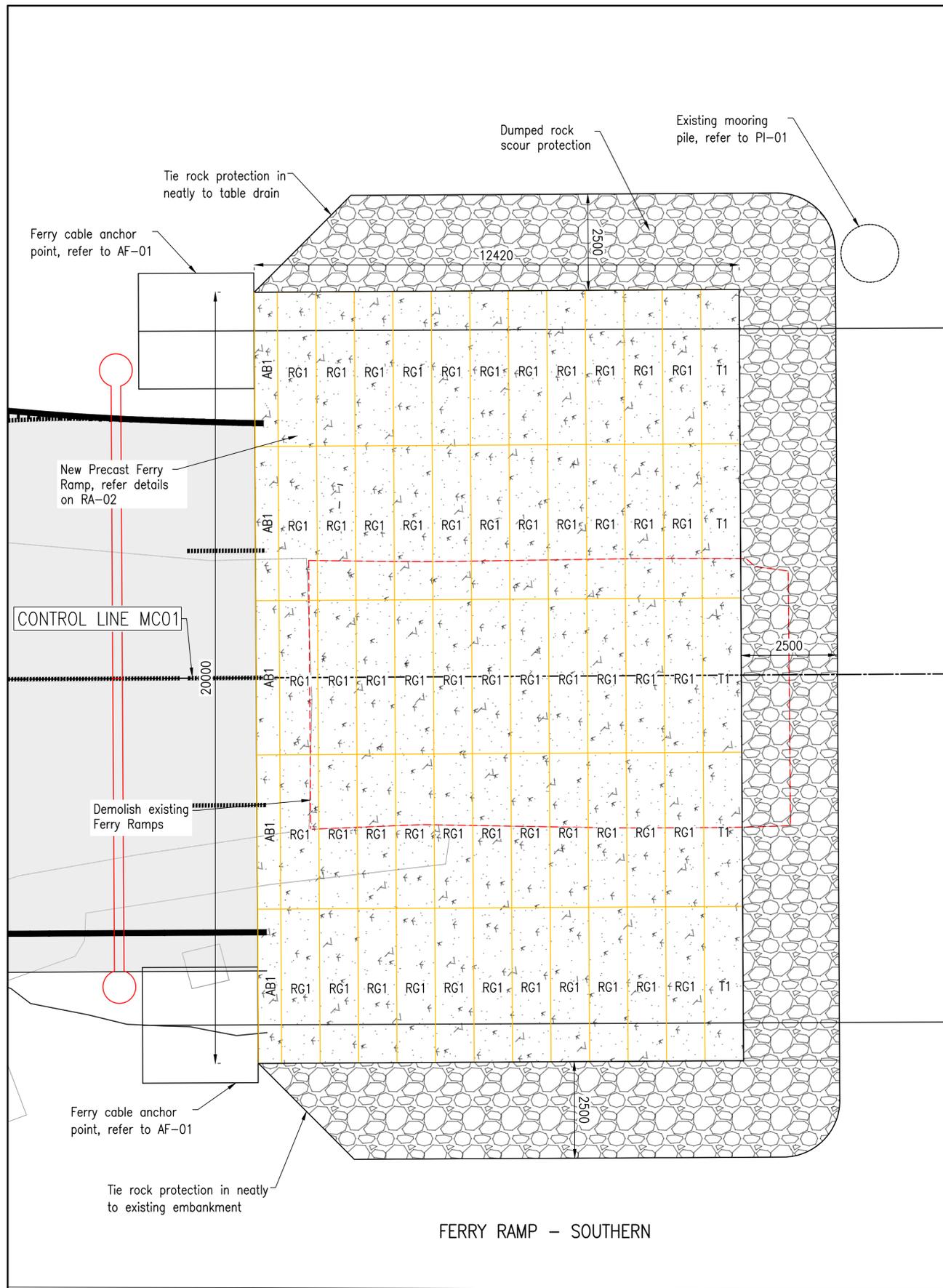


Client:	DURACK CIVIL
Project:	DAINTREE FERRY INFRASTRUCTURE UPGRADE
Drawing Title:	PILE SCHEDULE AND DETAILS - SHEET 1 / 1

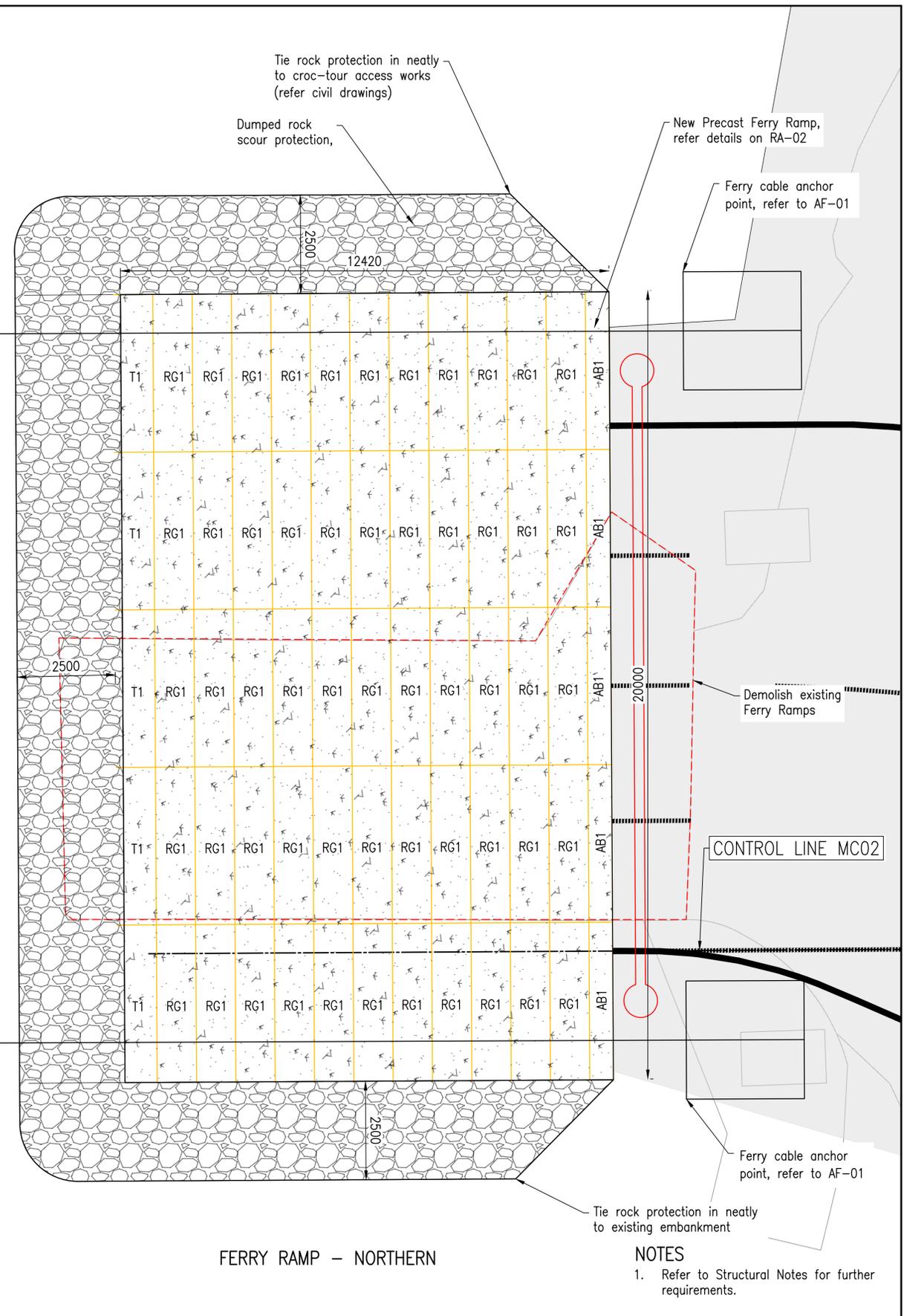


Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-S02-PI-01
Revision	B



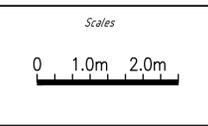
FERRY RAMP – SOUTHERN



FERRY RAMP – NORTHERN

**NOTES**  
 1. Refer to Structural Notes for further requirements.

Rev	Description	By	Appd	Date
A	70% Submission	SR	TH	4/11/2025
B	100% Submission	PS	TH	4/11/2025
AMENDMENTS				



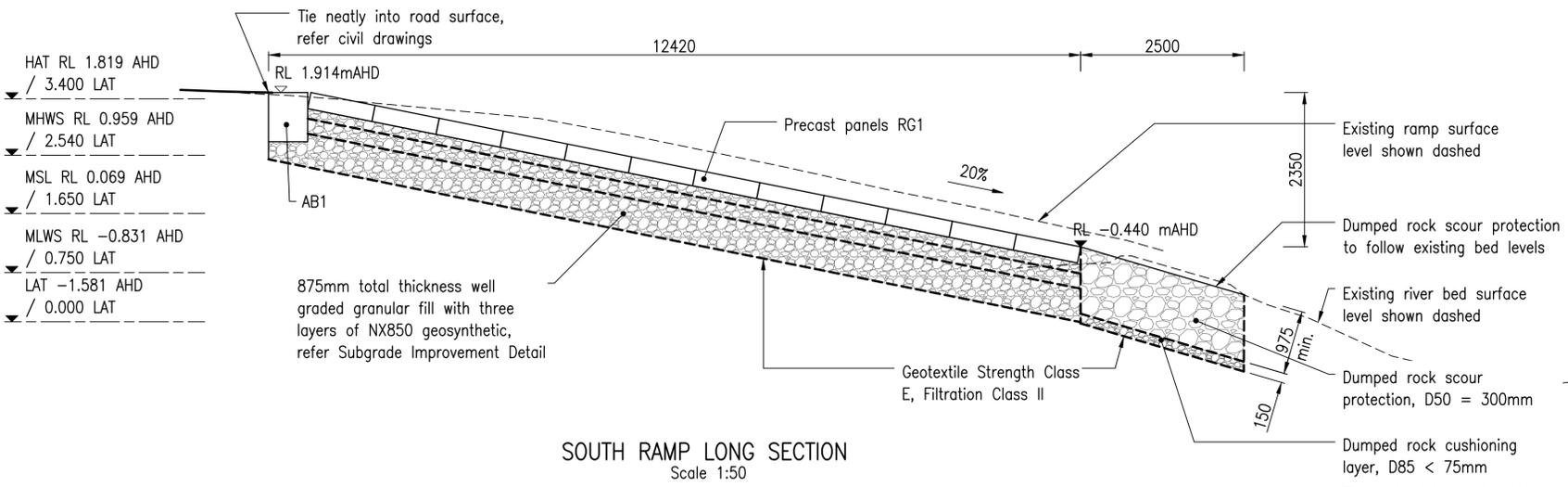
Client: DURACK CIVIL  
 Project: DAINTREE FERRY INFRASTRUCTURE UPGRADE  
 Drawing Title: RAMP LAYOUT PLAN - SHEET 1 / 2



Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	

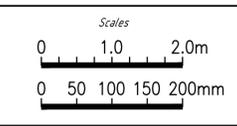
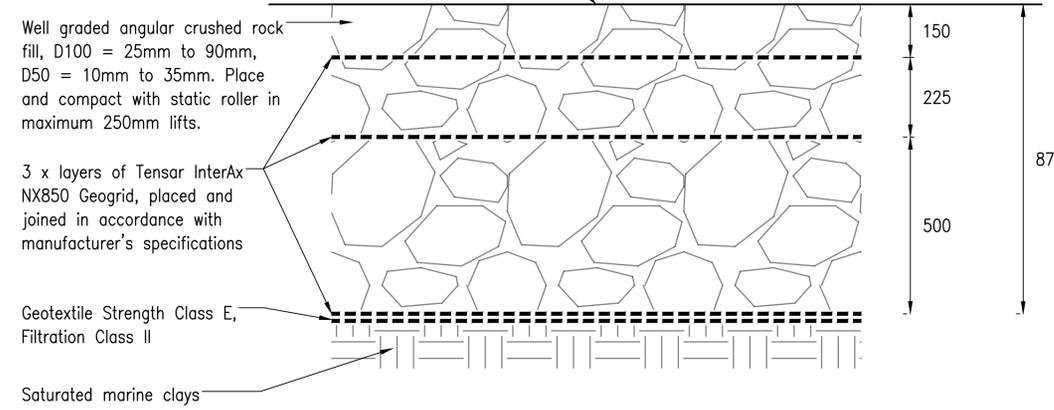
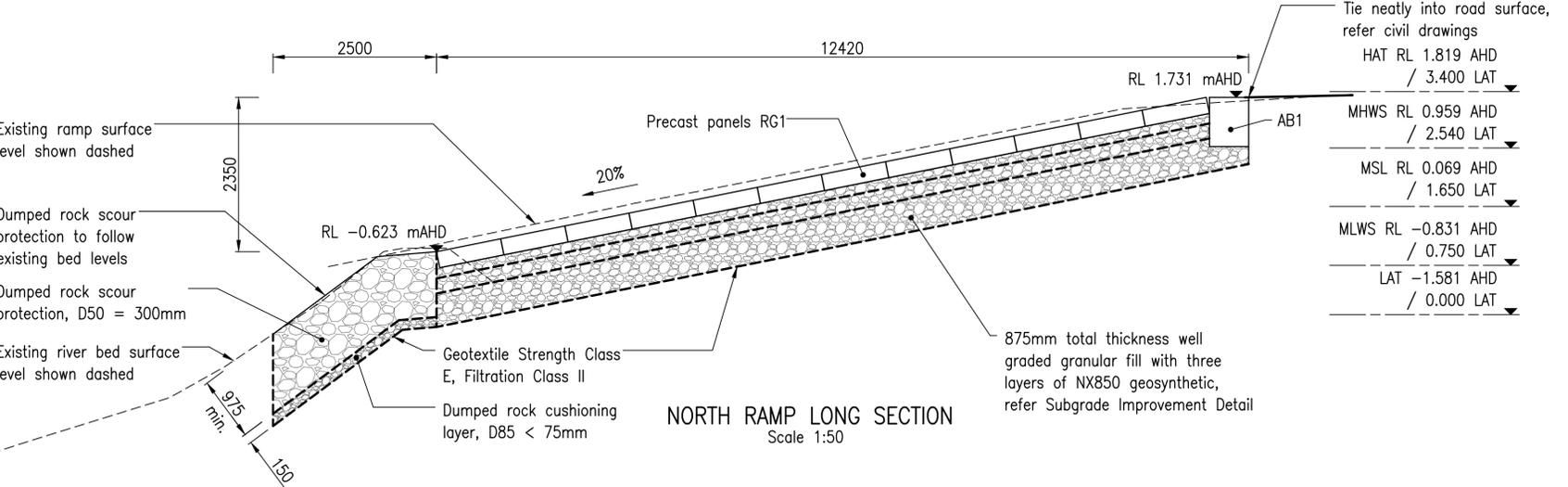


<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-S03-RA-01
Revision	B



**NOTES**

- Refer to Structural Notes for further requirements.
- Pre-cast planks shall be generally as per TMR Std Dwgs:
  - SD4000
  - SD4030
  - SD4032
- Except depth, reinforcement, and link bars as shown.
- All reinforcement shall be hot dipped galvanised.
- All inserts and link bars shall be stainless steel Gr316 and all bolts shall be stainless steel GrA4-80
- Any voids or annulus around AB1 shall be grout-filled insitu after installation and prior to adjacent planks being connected, to ensure adequate bond with ground.



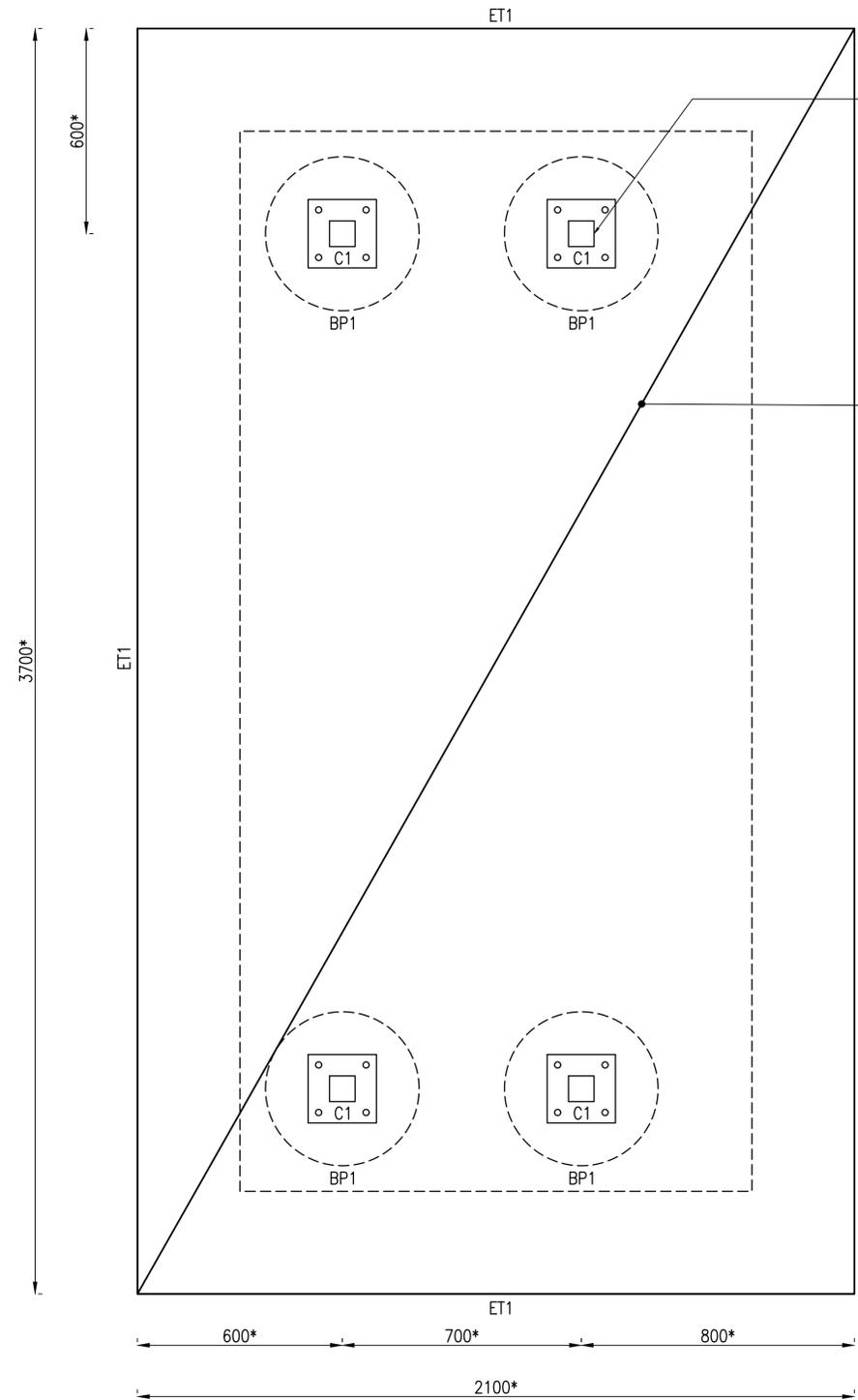
Client: DURACK CIVIL  
 Project: DAINTREE FERRY INFRASTRUCTURE UPGRADE  
 Drawing Title: RAMP PLANK DETAILS - SHEET 2 / 2



Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	

DETAILED DESIGN	
Job Number	25019
Drawing Number	25019-HEG-S03-RA-02
Revision	B

**MEMBER SCHEDULE**  
 C1 = 75 x 4 SHS (assumed, existing)  
 ET1 = 300 x 300 L11TM3 Bottom  
 BP1 = 450Ø x 1200 Deep, 4-N16 with R6-200 helix

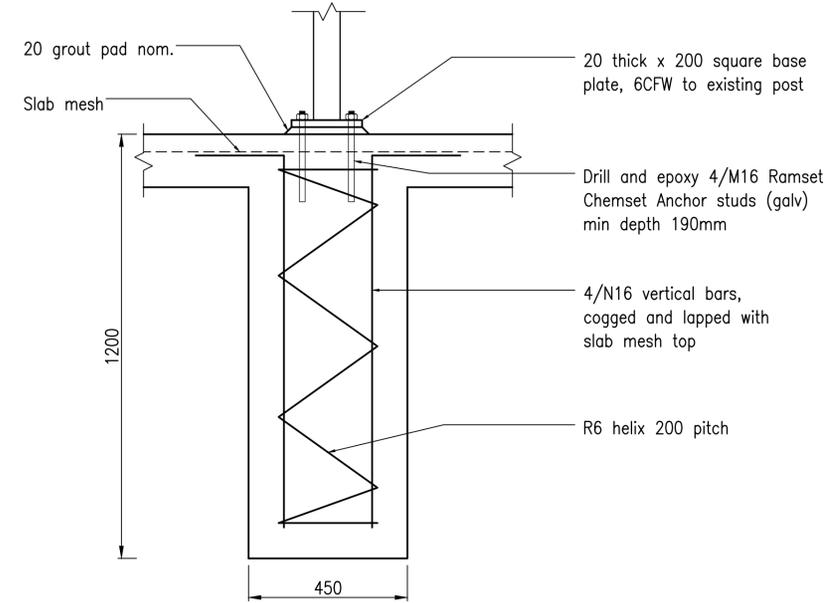


**SLAB AND FOOTING PLAN**  
 Scale 1:10

\*Dimension shown indicatively,  
 to be confirmed on site.

Cut off existing pedestrian shelter posts at ground level and relocate to new location. Weld new 20x200x200 base plate 6CFW full perimeter. Drill and epoxy to new footing with 4/M16 galv. Ramset Chemset Anchor Studs 190mm long. Provide 20mm grout pad.

150mm Thick  
 SL72 Top

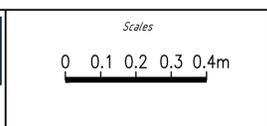


**BP1 DETAIL**  
 Scale 1:10

**NOTES**

1. Refer to Structural Notes for further requirements.

Rev	Description	By	Appd	Date
B	100% Submission	SR	TH	4/11/2025
A	70% Submission	PS	TH	4/11/2025
AMENDMENTS				



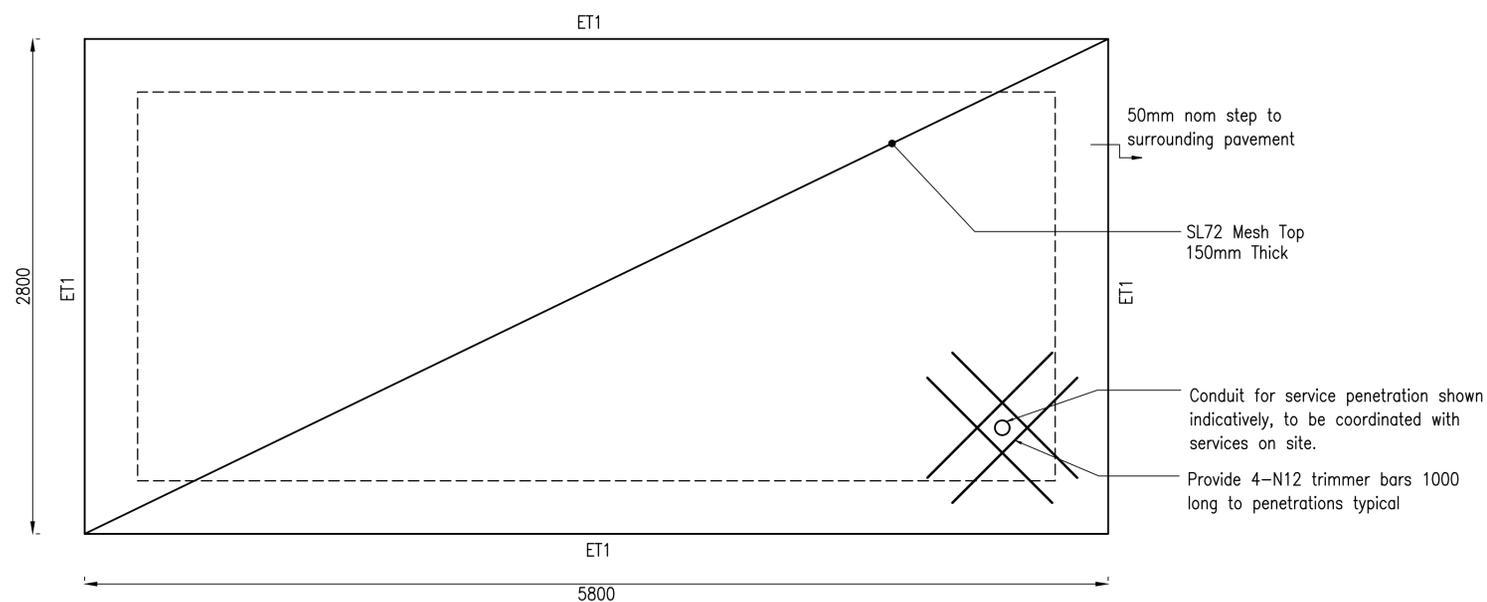
Client:	DURACK CIVIL
Project:	DAINTREE FERRY INFRASTRUCTURE UPGRADE
Drawing Title:	PEDESTRIAN SHELTER PLAN - SHEET 1 / 1



Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-S04-PS-01
Revision	B



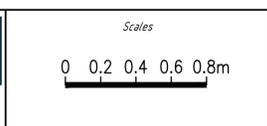
TICKET BOOTH SLAB PLAN  
Scale 1:20

NOTES

1. Refer to Structural Notes for further requirements.

Rev	Description	By	Appd	Date
B	100% Submission	SR	TH	4/11/2025
A	70% Submission	PS	TH	4/11/2025

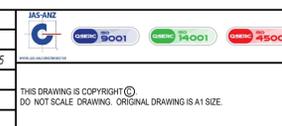
AMENDMENTS



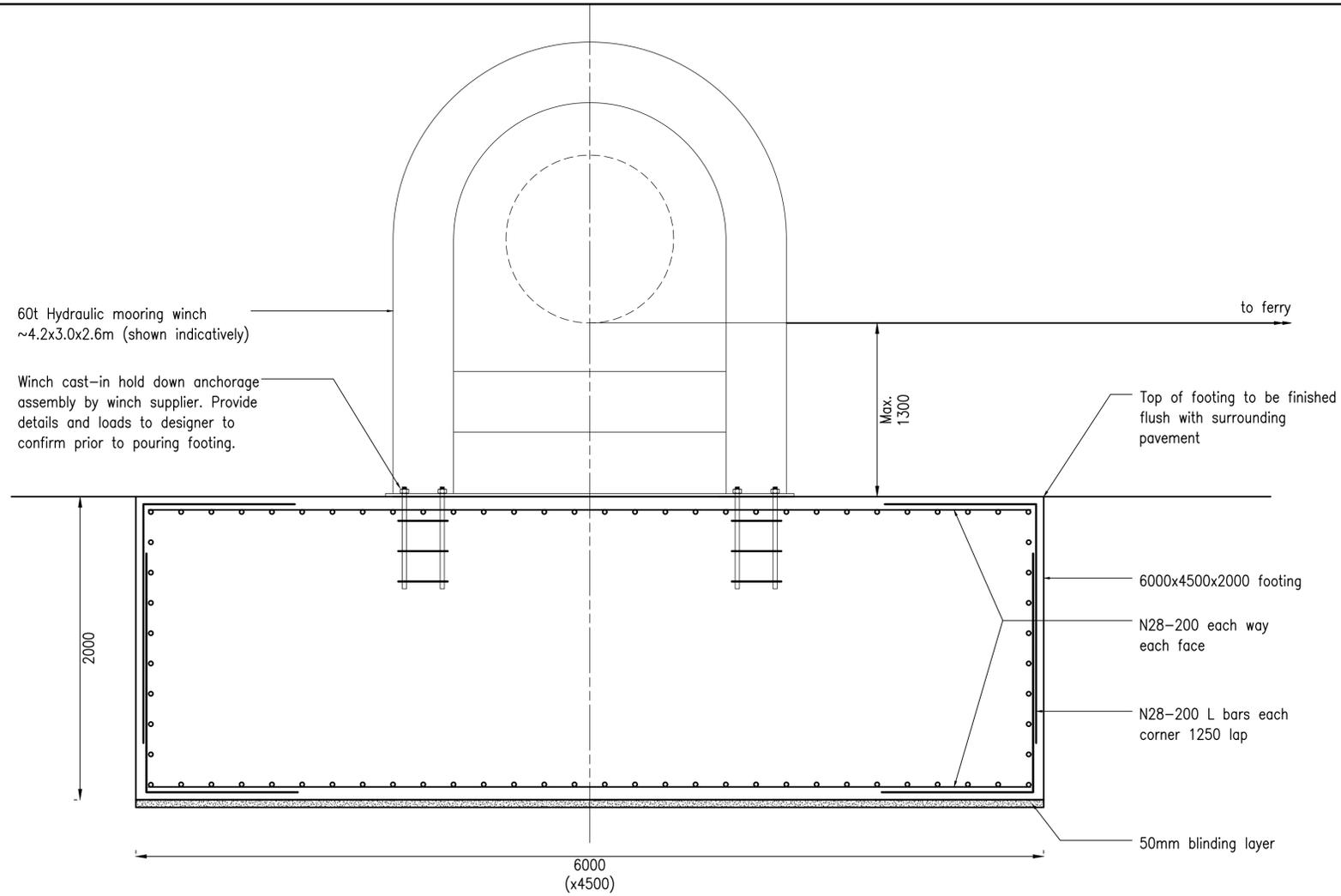
Client:	DURACK CIVIL
Project:	DAINTREE FERRY INFRASTRUCTURE UPGRADE
Drawing Title:	TICKET BOOTH SLAB PLAN



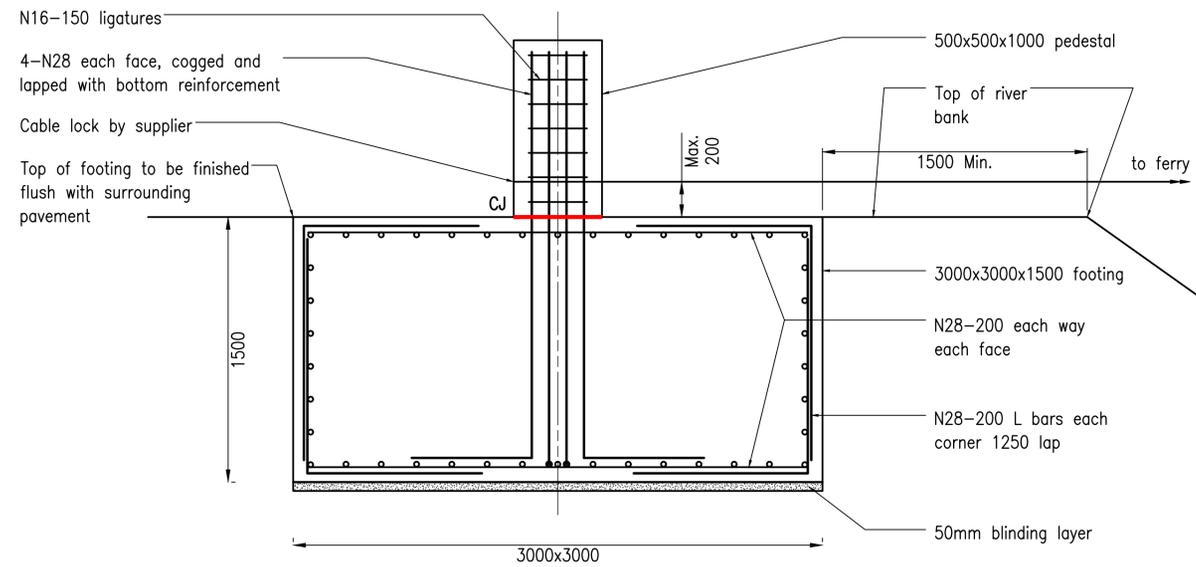
Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-S05-TB-01
Revision	B



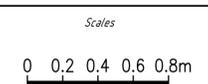
**DRY DOCK INSPECTION ANCHOR FOOTING**  
Scale 1:20



**CABLE ANCHOR FOOTING**  
Scale 1:20

- NOTES**
1. Refer to Structural notes for further requirements.
  2. Locations and loads for anchor points must be confirmed with ferry manufacturer and operator prior to construction.

Rev	Description	By	Appd	Date
B	100% Submission	SR	TH	4/11/2025
A	70% Submission	PS	TH	4/11/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY INFRASTRUCTURE UPGRADE
Drawing Title:	ANCHOR FOOTING DETAILS



Design	TH
Drawn	SR
Date	18/12/2025
Checked	NH
Approved	TH
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-S06-AF-01
Revision	B

CONTROL LINE MC01  
 X = 328227.829  
 Y = 8201134.042  
 Z = 2.071

Datum 0.00

DESIGN HEIGHT		2.071	2.162	2.027
EXISTING SURFACE		2.071	2.162	1.912
OFFSETS		0.000	3.300	6.600

CHAINAGE 20

CONTROL LINE MC01  
 X = 328227.032  
 Y = 8201124.074  
 Z = 2.082

Datum 0.00

DESIGN HEIGHT		2.082	2.186	2.100
EXISTING SURFACE		2.082	2.186	1.867
OFFSETS		0.000	3.400	6.800

CHAINAGE 10

CONTROL LINE MC01  
 X = 328226.235  
 Y = 8201114.106  
 Z = 2.087

Datum 0.00

DESIGN HEIGHT		2.087	2.204	2.084
EXISTING SURFACE		2.087	2.051	1.779
OFFSETS		0.000	3.500	7.000

CHAINAGE 0

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01 SHEET 1 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-01
Revision	A

CONTROL LINE MC01  
 X = 328230.221  
 Y = 8201163.947  
 Z = 2.155

Datum 0.00

DESIGN HEIGHT			2.155		2.190		2.083
EXISTING SURFACE			2.155		2.190		1.954
OFFSETS			0.000		3.300		6.600

CHAINAGE 50

CONTROL LINE MC01  
 X = 328229.424  
 Y = 8201153.979  
 Z = 2.109

Datum 0.00

DESIGN HEIGHT			2.109		2.171		2.052
EXISTING SURFACE			2.109		2.171		1.972
OFFSETS			0.000		3.300		6.600

CHAINAGE 40

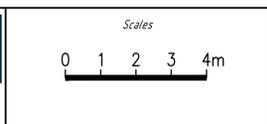
CONTROL LINE MC01  
 X = 328228.627  
 Y = 8201144.010  
 Z = 2.095

Datum 0.00

DESIGN HEIGHT			2.095		2.165		2.031
EXISTING SURFACE			2.095		2.165		1.967
OFFSETS			0.000		3.300		6.600

CHAINAGE 30

A	100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 2 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-02  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

CONTROL LINE MC01  
 X = 328233.153  
 Y = 8201193.795  
 Z = 2.306

Datum 0.00

DESIGN HEIGHT		2.306	2.220	2.188
EXISTING SURFACE		2.306	2.220	2.332
OFFSETS		0.000	3.300	6.600

CHAINAGE 80

CONTROL LINE MC01  
 X = 328231.871  
 Y = 8201183.878  
 Z = 2.253

Datum 0.00

DESIGN HEIGHT		2.253	2.209	2.075
EXISTING SURFACE		2.253	2.209	2.009
OFFSETS		0.000	3.300	6.600

CHAINAGE 70

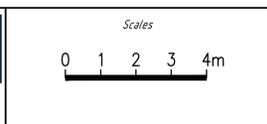
CONTROL LINE MC01  
 X = 328231.018  
 Y = 8201173.915  
 Z = 2.217

Datum 0.00

DESIGN HEIGHT		2.217	2.205	2.114
EXISTING SURFACE		2.217	2.205	1.954
OFFSETS		0.000	3.300	6.600

CHAINAGE 60

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 3/ 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number  
 25019  
 Drawing Number  
 25019-HEG-C09-XS-03  
 Revision  
 A

CONTROL LINE MC01  
 X = 328239.934  
 Y = 8201222.990  
 Z = 2.234

Datum 0.00

DESIGN HEIGHT			2.234			
EXISTING SURFACE			2.234		2.149	2.017
OFFSETS			0.000		3.300	6.600

CHAINAGE 110

-2.57%      -4.00%

CONTROL LINE MC01  
 X = 328237.194  
 Y = 8201213.374  
 Z = 2.293

Datum 0.00

DESIGN HEIGHT			2.293			
EXISTING SURFACE			2.293		2.192	2.008
OFFSETS			0.000		3.300	6.600

CHAINAGE 100

-3.06%      -5.59%

CONTROL LINE MC01  
 X = 328234.929  
 Y = 8201203.635  
 Z = 2.339

Datum 0.00

DESIGN HEIGHT			2.339			
EXISTING SURFACE			2.339		2.210	1.978
OFFSETS			0.000		3.300	6.600

CHAINAGE 90

-3.92%      -7.03%

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01 SHEET 4 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-04
Revision	A

CONTROL LINE MC01  
 X = 328249.966  
 Y = 8201251.239  
 Z = 2.174

Datum 0.00

DESIGN HEIGHT		2.174	2.099	1.975	1.953
EXISTING SURFACE		2.174	2.099	1.975	1.927
OFFSETS		0.000	3.300	6.600	7.194

CHAINAGE 140

CONTROL LINE MC01  
 X = 328246.182  
 Y = 8201241.983  
 Z = 2.189

Datum 0.00

DESIGN HEIGHT		2.189	2.100	1.976
EXISTING SURFACE		2.189	2.100	1.976
OFFSETS		0.000	3.300	6.600

CHAINAGE 130

CONTROL LINE MC01  
 X = 328242.865  
 Y = 8201232.551  
 Z = 2.190

Datum 0.00

DESIGN HEIGHT		2.190	2.102	1.881
EXISTING SURFACE		2.175	2.102	1.860
OFFSETS		0.000	3.300	6.600

CHAINAGE 120

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01 SHEET 5 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-05
Revision	A

CONTROL LINE MC01  
 X = 328263.268  
 Y = 8201278.123  
 Z = 2.113

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 170

CONTROL LINE MC01  
 X = 328258.736  
 Y = 8201269.209  
 Z = 2.130

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 160

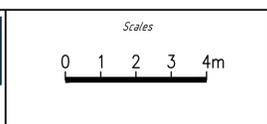
CONTROL LINE MC01  
 X = 328254.209  
 Y = 8201260.293  
 Z = 2.171

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 150

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 6 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-06  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC01  
 X = 328277.152  
 Y = 8201304.714  
 Z = 2.064

Datum 0.00

DESIGN HEIGHT								
		2.179	2.064	1.941	1.837	1.806		0.901
EXISTING SURFACE		2.179	2.064	1.942	1.270	1.007		0.901
OFFSETS		3.300	0.000	3.565	6.865	7.865		11.486

CHAINAGE 200

CONTROL LINE MC01  
 X = 328272.362  
 Y = 8201295.936  
 Z = 2.077

Datum 0.00

DESIGN HEIGHT								
		2.195	2.077	1.966	1.851	1.817		0.927
EXISTING SURFACE		2.195	2.077	1.965	1.293	1.010		0.927
OFFSETS		3.300	0.000	3.565	6.865	7.865		11.425

CHAINAGE 190

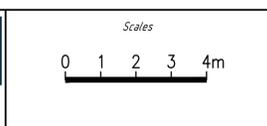
CONTROL LINE MC01  
 X = 328267.801  
 Y = 8201287.037  
 Z = 2.093

Datum 0.00

DESIGN HEIGHT								
		2.211	2.093	1.976	1.864	1.829		0.913
EXISTING SURFACE		2.211	2.093	1.977	1.445	1.177		0.913
OFFSETS		3.300	0.000	3.338	6.638	7.638		11.348

CHAINAGE 180

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 7 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-07  
 Revision: A

CONTROL LINE MC01  
 X = 328293.085  
 Y = 8201330.121  
 Z = 2.129

Datum 0.00

DESIGN HEIGHT							
		2.239	2.129	1.971	1.826	1.781	1.055
EXISTING SURFACE		2.239	2.129	1.971	1.448	1.225	1.055
OFFSETS		3.300	0.000	3.565	6.865	7.865	10.769

CHAINAGE 230

CONTROL LINE MC01  
 X = 328287.518  
 Y = 8201321.814  
 Z = 2.109

Datum 0.00

DESIGN HEIGHT							
		2.209	2.109	1.950	1.782	1.731	1.001
EXISTING SURFACE		2.209	2.109	1.949	1.364	1.123	1.001
OFFSETS		3.300	0.000	3.565	6.865	7.865	10.782

CHAINAGE 220

CONTROL LINE MC01  
 X = 328282.205  
 Y = 8201313.343  
 Z = 2.069

Datum 0.00

DESIGN HEIGHT							
		2.171	2.069	1.938	1.797	1.754	0.956
EXISTING SURFACE		2.171	2.069	1.937	1.289	1.029	0.956
OFFSETS		3.300	0.000	3.565	6.865	7.865	11.058

CHAINAGE 210

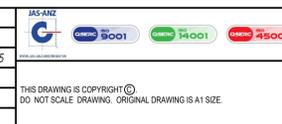
<b>DURACK</b>			
Rev	Description	By	Appd
A	100% Submission	PS	ES
			18/12/2025
AMENDMENTS			



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01
	SHEET 8 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-08
Revision	A

CONTROL LINE MC01  
 X = 328311.260  
 Y = 8201353.976  
 Z = 2.107

Datum 0.00

DESIGN HEIGHT							
		2.235	2.107	1.986	1.873	1.839	1.207
EXISTING SURFACE		2.235	2.107	1.992	1.493	1.314	1.207
OFFSETS		3.300	0.000	3.565	6.865	7.865	10.396

CHAINAGE 260

CONTROL LINE MC01  
 X = 328304.961  
 Y = 8201346.209  
 Z = 2.108

Datum 0.00

DESIGN HEIGHT							
		2.228	2.108	2.002	1.903	1.873	1.140
EXISTING SURFACE		2.228	2.108	2.003	1.500	1.266	1.140
OFFSETS		3.300	0.000	3.565	6.865	7.865	10.798

CHAINAGE 250

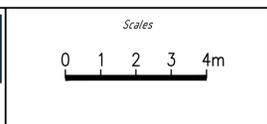
CONTROL LINE MC01  
 X = 328298.901  
 Y = 8201338.255  
 Z = 2.135

Datum 0.00

DESIGN HEIGHT							
		2.252	2.135	1.981	1.838	1.795	1.122
EXISTING SURFACE		2.252	2.135	1.984	1.467	1.264	1.122
OFFSETS		3.300	0.000	3.565	6.865	7.865	10.558

CHAINAGE 240

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 9 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-09  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC01  
 X = 328331.525  
 Y = 8201376.083  
 Z = 2.160

Datum 0.00

DESIGN HEIGHT						
EXISTING SURFACE						
OFFSETS						

CHAINAGE 290

CONTROL LINE MC01  
 X = 328324.547  
 Y = 8201368.920  
 Z = 2.126

Datum 0.00

DESIGN HEIGHT						
EXISTING SURFACE						
OFFSETS						

CHAINAGE 280

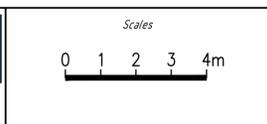
CONTROL LINE MC01  
 X = 328317.790  
 Y = 8201361.549  
 Z = 2.100

Datum 0.00

DESIGN HEIGHT						
EXISTING SURFACE						
OFFSETS						

CHAINAGE 270

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 10 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-10
Revision	A



CONTROL LINE MC01  
 X = 328377.457  
 Y = 8201414.589  
 Z = 2.411

Datum 0.00

DESIGN HEIGHT			2.258	1.835	2.583	2.603	2.551	2.411	2.259
EXISTING SURFACE			2.258	2.192	2.438	2.603	2.551	2.411	2.259
OFFSETS			11.138	10.292	7.300	5.300	3.300	0.000	3.300

CHAINAGE 350

CONTROL LINE MC01  
 X = 328369.467  
 Y = 8201408.576  
 Z = 2.330

Datum 0.00

DESIGN HEIGHT			2.172	1.770	2.510	2.530	2.476	2.330	2.197	2.064	2.024	1.626
EXISTING SURFACE			2.172	2.127	2.389	2.530	2.476	2.330	2.197	1.813	1.731	1.626
OFFSETS			11.061	10.257	7.300	5.300	3.300	0.000	3.300	6.600	7.600	9.191

CHAINAGE 340

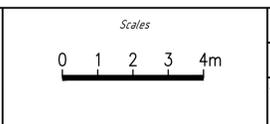
CONTROL LINE MC01  
 X = 328361.505  
 Y = 8201402.525  
 Z = 2.253

Datum 0.00

DESIGN HEIGHT			2.101	1.705	2.441	2.461	2.397	2.253	2.157	2.032	1.995	1.508
EXISTING SURFACE			2.101	2.066	2.308	2.461	2.397	2.253	2.157	1.689	1.588	1.508
OFFSETS			11.040	10.246	7.300	5.300	3.300	0.000	3.300	6.600	7.600	9.548

CHAINAGE 330

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 12 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-12  
 Revision: A

CONTROL LINE MC01  
 X = 328402.238  
 Y = 8201431.476  
 Z = 2.563

Datum 0.00

DESIGN HEIGHT				2.700	2.034	2.661	2.661	2.666	2.563	2.422
EXISTING SURFACE				2.700	2.679	2.662	2.681	2.666	2.563	2.422
OFFSETS				11.136	9.805	7.300	5.300	3.300	0.000	3.343

CHAINAGE 380

CONTROL LINE MC01  
 X = 328393.792  
 Y = 8201426.123  
 Z = 2.523

Datum 0.00

DESIGN HEIGHT				2.594	1.968	2.594	2.614	2.651	2.523	2.385
EXISTING SURFACE				2.594	2.556	2.513	2.614	2.651	2.523	2.385
OFFSETS				11.058	9.806	7.300	5.300	3.300	0.000	3.300

CHAINAGE 370

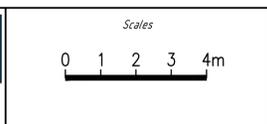
CONTROL LINE MC01  
 X = 328385.529  
 Y = 8201420.491  
 Z = 2.482

Datum 0.00

DESIGN HEIGHT				2.433	1.901	2.583	2.603	2.608	2.482	2.341
EXISTING SURFACE				2.433	2.376	2.453	2.603	2.608	2.482	2.341
OFFSETS				11.091	10.027	7.300	5.300	3.300	0.000	3.300

CHAINAGE 360

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 13 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-13  
 Revision: A

CONTROL LINE MC01  
 X = 328428.580  
 Y = 8201445.806  
 Z = 2.708

Datum 0.00

DESIGN HEIGHT			2.878	2.234	2.812	2.832	2.816	2.708		2.501
EXISTING SURFACE			2.878	2.879	2.837	2.832	2.816	2.708		2.497
OFFSETS			10.899	9.611	7.300	5.300	3.300	0.000		6.281

CHAINAGE 410

CONTROL LINE MC01  
 X = 328419.641  
 Y = 8201441.323  
 Z = 2.674

Datum 0.00

DESIGN HEIGHT			2.863	2.168	2.762	2.782	2.787	2.674		2.474
EXISTING SURFACE			2.863	2.825	2.771	2.782	2.787	2.674		2.478
OFFSETS			11.069	9.679	7.300	5.300	3.300	0.000		5.147

CHAINAGE 400

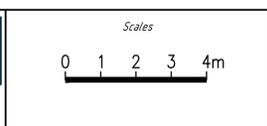
CONTROL LINE MC01  
 X = 328410.858  
 Y = 8201436.545  
 Z = 2.613

Datum 0.00

DESIGN HEIGHT			2.768	2.101	2.726	2.746	2.725	2.613		2.458
EXISTING SURFACE			2.768	2.750	2.740	2.746	2.725	2.613		2.461
OFFSETS			11.136	9.802	7.300	5.300	3.300	0.000		3.925

CHAINAGE 390

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 14 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-14  
 Revision: A

CONTROL LINE MC01  
 X = 328456.220  
 Y = 8201457.435  
 Z = 2.859

Datum 0.00

DESIGN HEIGHT				2.961	2.423	2.938	2.956	2.945	2.859			2.650	2.626
EXISTING SURFACE				2.961	2.961	2.960	2.956	2.945	2.859			2.670	2.645
OFFSETS				9.674	8.599	6.540	4.780	3.300	0.000			6.634	7.386

CHAINAGE 440

CONTROL LINE MC01  
 X = 328446.879  
 Y = 8201453.867  
 Z = 2.815

Datum -2.00

DESIGN HEIGHT				2.819	2.367	2.894	2.914	2.901	2.815			2.580
EXISTING SURFACE				2.819	2.973	2.923	2.914	2.901	2.815			2.582
OFFSETS				10.311	9.407	7.300	5.300	3.300	0.000			7.171

CHAINAGE 430

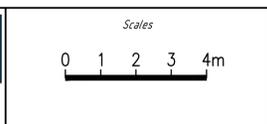
CONTROL LINE MC01  
 X = 328437.662  
 Y = 8201449.989  
 Z = 2.765

Datum 0.00

DESIGN HEIGHT				2.911	2.301	2.843	2.863	2.851	2.765			2.538
EXISTING SURFACE				2.911	2.879	2.876	2.863	2.851	2.765			2.533
OFFSETS				10.690	9.470	7.300	5.300	3.300	0.000			7.064

CHAINAGE 420

A		100% Submission	PS	ES	18/12/2025
Rev		Description	By	Appd	Date
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 15 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-15  
 Revision: A



CONTROL LINE MC01  
 X = 328514.239  
 Y = 8201472.406  
 Z = 3.100

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									
		8.457	7.262	4.898	3.698	0.000	3.433	6.733	7.733
		3.066	2.968	3.003	3.071	3.100	2.970	2.814	2.807
		3.066	2.468	3.059	3.071	3.100	2.972	2.849	2.812

CHAINAGE 500

CONTROL LINE MC01  
 X = 328504.419  
 Y = 8201470.521  
 Z = 3.062

Datum -2.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									
		8.718	7.213	4.898	3.698	0.000	3.433	6.733	7.733
		3.200	3.004	2.984	3.058	3.062	2.958	2.783	2.762
		3.301	2.467	3.046	3.058	3.062	2.956	2.854	2.823

CHAINAGE 490

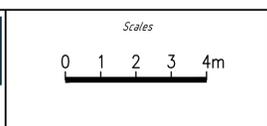
CONTROL LINE MC01  
 X = 328494.617  
 Y = 8201468.542  
 Z = 2.996

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									
		8.322	7.111	4.794	3.594	0.000	3.486	6.704	7.704
		3.079	2.868	2.952	3.041	2.996	2.887	2.697	2.689
		3.073	2.450	3.029	3.041	2.996	2.886	2.784	2.752

CHAINAGE 480

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01
	SHEET 17 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-17
Revision	A







CONTROL LINE MC01  
 X = 328622.266  
 Y = 8201493.149  
 Z = 3.282

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								
		7.122	5.509	4.765	3.565	0.000	2.431	4.863
		3.737	3.337	3.287	3.255	3.282	3.260	3.167
		3.849	3.048	3.234	3.246			

CHAINAGE 610

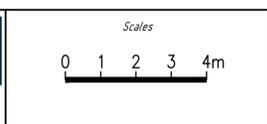
CONTROL LINE MC01  
 X = 328612.445  
 Y = 8201491.263  
 Z = 3.299

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								
		6.896	5.646	4.765	3.565	0.000	1.716	3.433
		3.658	3.302	3.106	3.146	3.299	3.282	3.219
		3.689	2.991	3.211	3.223	3.299	3.282	3.219

CHAINAGE 600

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01 SHEET 21 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-21
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

CONTROL LINE MC01  
 X = 328641.932  
 Y = 8201496.785  
 Z = 3.210

Datum -2.00

DESIGN HEIGHT				3.602	3.069	3.155		3.210		3.219		3.113
EXISTING SURFACE				3.602	3.664	3.153		3.210		3.219		3.113
OFFSETS				6.125	5.059	3.565		0.000		3.432		6.865

CHAINAGE 630

CONTROL LINE MC01  
 X = 328632.087  
 Y = 8201495.034  
 Z = 3.275

Datum -2.00

DESIGN HEIGHT				3.744	3.107	3.223	3.235		3.275		3.221		3.113
EXISTING SURFACE				3.838	3.776	3.530	3.233		3.275		3.221		3.113
OFFSETS				6.723	5.228	4.765	3.565		0.000		3.146		6.293

CHAINAGE 620

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01 SHEET 22 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-22
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

CONTROL LINE MC01  
 X = 328661.768  
 Y = 8201499.314  
 Z = 3.051

Datum -2.00

DESIGN HEIGHT				2.949	2.532	2.893	2.905	3.051	3.078	2.980
EXISTING SURFACE				2.949	3.020	2.866	2.905	3.051	3.078	2.980
OFFSETS				7.040	6.208	4.765	3.565	0.000	3.433	6.865

CHAINAGE 650

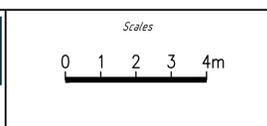
CONTROL LINE MC01  
 X = 328651.829  
 Y = 8201498.208  
 Z = 3.142

Datum -2.00

DESIGN HEIGHT				3.048	3.012	3.024	3.142	3.190	3.106
EXISTING SURFACE				3.048	3.025	3.016	3.142	3.190	3.106
OFFSETS				5.438	4.765	3.565	0.000	3.432	6.865

CHAINAGE 640

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01
	SHEET 23 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-23
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

CONTROL LINE MC01  
 X = 328681.663  
 Y = 8201501.360  
 Z = 2.740

Datum -2.00

DESIGN HEIGHT										
EXISTING SURFACE										
OFFSETS										

CHAINAGE 670

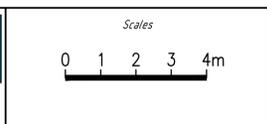
CONTROL LINE MC01  
 X = 328671.715  
 Y = 8201500.337  
 Z = 2.898

Datum -2.00

DESIGN HEIGHT										
EXISTING SURFACE										
OFFSETS										

CHAINAGE 660

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC01
	SHEET 24 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-24
Revision	A





CONTROL LINE MC01  
 X = 328759.320  
 Y = 8201532.104  
 Z = 1.883

Datum -2.00

DESIGN HEIGHT			1.883		1.883		1.883
EXISTING SURFACE			1.424		1.772		2.310
OFFSETS		10.000		0.000		10.000	

CHAINAGE 760

CONTROL LINE MC01  
 X = 328754.831  
 Y = 8201523.168  
 Z = 2.230

Datum 0.00

DESIGN HEIGHT		1.954		2.092		2.230	2.278	2.288	2.289
EXISTING SURFACE		0.953		2.092		2.230	2.278	2.288	2.511
OFFSETS	15.981		7.188		0.000	3.300	6.600	7.599	

CHAINAGE 750

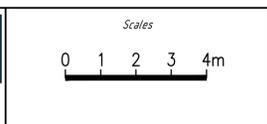
CONTROL LINE MC01  
 X = 328749.058  
 Y = 8201515.059  
 Z = 2.194

Datum 0.00

DESIGN HEIGHT		2.029		2.189		2.194	2.241	2.225	2.188
EXISTING SURFACE		2.035		2.189		2.194	2.241	2.225	2.148
OFFSETS	14.238		7.418		0.000	3.342	6.684	9.597	

CHAINAGE 740

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC01  
 SHEET 27 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-27  
 Revision: A

CONTROL LINE MC02  
 X = 328901.984  
 Y = 8201800.065  
 Z = 1.859

Datum 0.00

DESIGN HEIGHT		1.790	1.814		1.854		1.891		1.859		1.838	1.802
EXISTING SURFACE		2.004	1.783		1.821		1.862		1.859		1.831	1.784
OFFSETS		25.698	23.463		13.130		6.417		0.000		3.131	5.105

CHAINAGE 20

CONTROL LINE MC02  
 X = 328897.495  
 Y = 8201791.129  
 Z = 1.632

Datum 0.00

DESIGN HEIGHT			1.632			1.632		1.632
EXISTING SURFACE			1.370			1.212		1.288
OFFSETS			17.000			0.000		3.000

CHAINAGE 10

CONTROL LINE MC02  
 X = 328893.007  
 Y = 8201782.193  
 Z = -0.024

Datum -2.00

DESIGN HEIGHT			-0.024			-0.024		-0.024
EXISTING SURFACE			-0.161			-0.024		-0.077
OFFSETS			17.000			0.000		3.000

CHAINAGE 0

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 28 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-28  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC02  
 X = 328921.521  
 Y = 8201822.294  
 Z = 1.893

Datum 0.00

DESIGN HEIGHT				1.885	1.886				
EXISTING SURFACE				1.389	1.399	1.460	1.668	1.931	2.016
OFFSETS				7.242	6.732	3.432	0.000	3.432	6.732

CHAINAGE 50

CONTROL LINE MC02  
 X = 328913.800  
 Y = 8201815.939  
 Z = 1.887

Datum 0.00

DESIGN HEIGHT			1.850			1.887			
EXISTING SURFACE			1.562			1.895	1.889	1.874	1.954
OFFSETS			18.958			7.033	3.433	0.000	3.432

CHAINAGE 40

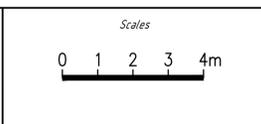
CONTROL LINE MC02  
 X = 328906.871  
 Y = 8201808.773  
 Z = 2.007

Datum 0.00

DESIGN HEIGHT			1.815		1.882		2.051		2.027		2.007		1.953		1.886
EXISTING SURFACE			1.855		1.879		2.051		2.027		2.007		1.953		1.886
OFFSETS			23.350		19.695		8.865		4.521		0.000		3.290		7.007

CHAINAGE 30

A				100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date			
AMENDMENTS							



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 29 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-29
Revision	A



CONTROL LINE MC02  
 X = 328970.985  
 Y = 8201855.990  
 Z = 2.038

Datum 0.00

DESIGN HEIGHT		1.284	1.922	1.937	1.987	2.038	2.140	2.084
EXISTING SURFACE		1.284	1.336	1.387	1.513	1.980	2.140	2.084
OFFSETS		10.286	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 110

CONTROL LINE MC02  
 X = 328962.392  
 Y = 8201850.877  
 Z = 2.016

Datum 0.00

DESIGN HEIGHT		1.375	1.918	1.931	1.972	2.016	2.122	2.119
EXISTING SURFACE		1.375	1.368	1.358	1.312	1.832	2.122	2.119
OFFSETS		9.904	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 100

CONTROL LINE MC02  
 X = 328953.798  
 Y = 8201845.763  
 Z = 2.005

Datum 0.00

DESIGN HEIGHT		1.358	1.926	1.931	1.969	2.005	2.073	2.078
EXISTING SURFACE		1.358	1.348	1.344	1.379	1.557	2.073	2.078
OFFSETS		10.589	8.318	7.123	6.733	3.433	0.000	6.733

CHAINAGE 90

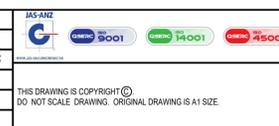
AMENDMENTS			
Rev	Description	By	Appd
A	100% Submission	PS	ES
			18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 31 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-31  
 Revision: A

CONTROL LINE MC02  
 X = 328996.766  
 Y = 8201871.331  
 Z = 2.104

Datum 0.00

DESIGN HEIGHT			1.239	1.934	1.956	2.029	2.104	2.230	2.197
EXISTING SURFACE			1.239	1.123	1.170	1.455	2.104	2.230	2.197
OFFSETS			9.512	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 140

CONTROL LINE MC02  
 X = 328988.173  
 Y = 8201866.217  
 Z = 2.115

Datum 0.00

DESIGN HEIGHT			1.344	1.963	1.983	2.048	2.115	2.232	2.162
EXISTING SURFACE			1.344	1.289	0.989	0.654	2.115	2.232	2.162
OFFSETS			9.725	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 130

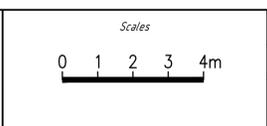
CONTROL LINE MC02  
 X = 328979.579  
 Y = 8201861.104  
 Z = 2.072

Datum 0.00

DESIGN HEIGHT			1.426	1.938	1.955	2.012	2.072	2.163	2.083
EXISTING SURFACE			1.426	1.291	1.340	1.440	2.070	2.163	2.083
OFFSETS			9.779	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 120

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 32 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-32
Revision	A

CONTROL LINE MC02  
 X = 329022.548  
 Y = 8201886.671  
 Z = 2.159

Datum 0.00

DESIGN HEIGHT			1.314								
EXISTING SURFACE			1.314	1.343	1.349	1.476	2.159	2.278	2.216		
OFFSETS		10.222	7.733	6.733	3.433	0.000	3.433	6.733			

CHAINAGE 170

CONTROL LINE MC02  
 X = 329013.954  
 Y = 8201881.558  
 Z = 2.151

Datum 0.00

DESIGN HEIGHT			1.309								
EXISTING SURFACE			1.309	1.294	1.307	1.650	2.151	2.264	2.204		
OFFSETS		10.276	7.733	6.733	3.433	0.000	3.433	6.733			

CHAINAGE 160

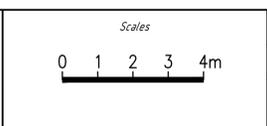
CONTROL LINE MC02  
 X = 329005.360  
 Y = 8201876.444  
 Z = 2.118

Datum 0.00

DESIGN HEIGHT			1.255								
EXISTING SURFACE			1.255	1.244	1.256	1.602	2.118	2.248	2.204		
OFFSETS		10.433	7.733	6.733	3.433	0.000	3.433	6.733			

CHAINAGE 150

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 33 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-33  
 Revision: A

CONTROL LINE MC02  
 X = 329048.329  
 Y = 8201902.012  
 Z = 2.359

Datum 0.00

DESIGN HEIGHT		1.392	2.083	2.119	2.237	2.359	2.447	2.400
EXISTING SURFACE		1.392	1.320	1.331	1.508	2.359	2.447	2.400
OFFSETS		10.458	7.691	6.691	3.391	0.000	3.433	6.733

CHAINAGE 200

CONTROL LINE MC02  
 X = 329039.735  
 Y = 8201896.898  
 Z = 2.269

Datum 0.00

DESIGN HEIGHT		1.309	2.010	2.043	2.154	2.269	2.408	2.345
EXISTING SURFACE		1.309	1.317	1.352	1.631	2.269	2.408	2.345
OFFSETS		10.536	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 190

CONTROL LINE MC02  
 X = 329031.141  
 Y = 8201891.785  
 Z = 2.203

Datum 0.00

DESIGN HEIGHT		1.293	1.962	1.993	2.096	2.203	2.346	2.281
EXISTING SURFACE		1.293	1.292	1.324	1.557	2.203	2.346	2.281
OFFSETS		10.406	7.733	6.733	3.433	0.000	3.433	6.733

CHAINAGE 180

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	ES 18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 34 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-34  
 Revision: A

CONTROL LINE MC02  
 X = 329074.497  
 Y = 8201916.674  
 Z = 2.302

Datum 0.00

DESIGN HEIGHT									
		1.306		2.026		2.210		2.518	
EXISTING SURFACE		1.306		1.288		1.926		2.518	
			6.454		5.454		0.000		3.432
OFFSETS		9.336				2.154			6.732
									7.732
									2.419

CHAINAGE 230

CONTROL LINE MC02  
 X = 329065.707  
 Y = 8201911.906  
 Z = 2.239

Datum 0.00

DESIGN HEIGHT									
		1.242		1.961		2.135		2.460	
EXISTING SURFACE		1.242		1.262		1.782		2.460	
			6.866		5.866		0.000		3.432
OFFSETS		9.742				2.566			6.732
									7.732
									2.439

CHAINAGE 220

CONTROL LINE MC02  
 X = 329056.945  
 Y = 8201907.087  
 Z = 2.344

Datum 0.00

DESIGN HEIGHT									
		1.358		2.066		2.230		2.443	
EXISTING SURFACE		1.358		1.298		1.547		2.443	
			7.279		6.279		0.000		3.433
OFFSETS		10.111				2.979			6.733
									7.627
									2.429

CHAINAGE 210

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 35 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-35
Revision	A

CONTROL LINE MC02  
 X = 329100.866  
 Y = 8201930.980  
 Z = 2.369

Datum 0.00

DESIGN HEIGHT																			
EXISTING SURFACE																			
OFFSETS																			

CHAINAGE 260

CONTROL LINE MC02  
 X = 329092.076  
 Y = 8201926.212  
 Z = 2.360

Datum 0.00

DESIGN HEIGHT																			
EXISTING SURFACE																			
OFFSETS																			

CHAINAGE 250

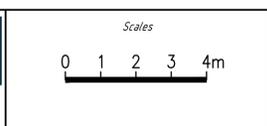
CONTROL LINE MC02  
 X = 329083.287  
 Y = 8201921.443  
 Z = 2.338

Datum 0.00

DESIGN HEIGHT																			
EXISTING SURFACE																			
OFFSETS																			

CHAINAGE 240

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 36 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-36
Revision	A

CONTROL LINE MC02  
 X = 329127.236  
 Y = 8201945.286  
 Z = 2.398

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 290

CONTROL LINE MC02  
 X = 329118.446  
 Y = 8201940.517  
 Z = 2.372

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 280

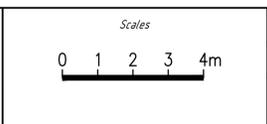
CONTROL LINE MC02  
 X = 329109.656  
 Y = 8201935.749  
 Z = 2.343

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 270

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 37 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-37
Revision	A

CONTROL LINE MC02  
 X = 329153.605  
 Y = 8201959.591  
 Z = 2.676

Datum 0.00

DESIGN HEIGHT										
EXISTING SURFACE			2.503		2.676		2.600	2.524	2.501	1.260
OFFSETS			3.300		0.000		3.300	6.600	7.600	12.562

CHAINAGE 320

CONTROL LINE MC02  
 X = 329144.815  
 Y = 8201954.823  
 Z = 2.519

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE		1.394	2.175	2.344	2.519	2.471	2.084	1.711	1.265
OFFSETS	7.850		4.300	3.300	0.000	3.300	6.600	7.600	12.171

CHAINAGE 310

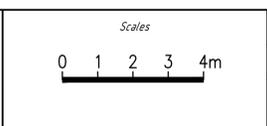
CONTROL LINE MC02  
 X = 329136.026  
 Y = 8201950.054  
 Z = 2.426

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE		1.256	2.075	2.219	2.426	2.403	2.041	1.795	1.263
OFFSETS	8.167		4.432	3.432	0.000	3.432	6.732	7.732	12.178

CHAINAGE 300

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 38 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-38
Revision	A

CONTROL LINE MC02  
 X = 329179.975  
 Y = 8201973.897  
 Z = 3.651

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 350

CONTROL LINE MC02  
 X = 329171.185  
 Y = 8201969.128  
 Z = 3.226

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 340

CONTROL LINE MC02  
 X = 329162.395  
 Y = 8201964.360  
 Z = 2.852

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							

CHAINAGE 330

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 39 / 75



Design	ES	<p>THIS DRAWING IS COPYRIGHT ©        DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.</p>
Drawn	PS	
Date	18/12/2025	
Checked	NH	
Approved	ES	
RPEQ No.		

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-39
Revision	A

CONTROL LINE MC02  
 X = 329197.555  
 Y = 8201983.434  
 Z = 4.470

Datum 4.00

DESIGN HEIGHT							
				1 in -11.5	3.29%	3.51%	
EXISTING SURFACE		4.184	4.470	4.579	4.695	4.722	4.538
OFFSETS		3.300	0.000	3.300	6.600	7.370	8.106

CHAINAGE 370

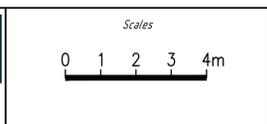
CONTROL LINE MC02  
 X = 329188.765  
 Y = 8201978.665  
 Z = 4.000

Datum 2.00

DESIGN HEIGHT							
EXISTING SURFACE		3.854	4.000	4.036	4.071	4.082	
OFFSETS		3.300	0.000	3.300	6.600	7.600	

CHAINAGE 360

AMENDMENTS			
Rev	Description	By	Appd
A	100% Submission	PS	ES
			18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 40 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-40  
 Revision: A

CONTROL LINE MC02  
 X = 329213.260  
 Y = 8201995.632  
 Z = 5.179

Datum 4.00

DESIGN HEIGHT			4.911				
EXISTING SURFACE			4.911		5.179	5.240	5.300
OFFSETS			3.300	0.000	3.300	6.600	7.027

CHAINAGE 390

CONTROL LINE MC02  
 X = 329205.975  
 Y = 8201988.804  
 Z = 4.992

Datum 4.00

DESIGN HEIGHT			4.746				
EXISTING SURFACE			4.746		4.992	5.142	5.226
OFFSETS			3.300	0.000	3.300	6.600	

CHAINAGE 380

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 41 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

AS-ANZ

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-41
Revision	A

CONTROL LINE MC02  
 X = 329223.931  
 Y = 8202012.478  
 Z = 4.608

Datum 2.00

DESIGN HEIGHT				4.529	4.608	4.663	4.717	4.734	3.374
EXISTING SURFACE				4.529	4.608	4.663	3.973	3.858	3.374
OFFSETS				3.300	0.000	3.300	6.600	7.600	10.320

CHAINAGE 410

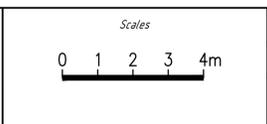
CONTROL LINE MC02  
 X = 329219.150  
 Y = 8202003.695  
 Z = 4.984

Datum 2.00

DESIGN HEIGHT				4.854	4.984	5.061	5.140	5.163	4.600
EXISTING SURFACE				4.854	4.984	5.061	4.742	4.733	4.600
OFFSETS				3.300	0.000	3.300	6.600	7.600	8.728

CHAINAGE 400

AMENDMENTS			
Rev	Description	By	Appd
A	100% Submission	PS	ES
			18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 42 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**

Job Number  
25019

Drawing Number  
25019-HEG-C09-XS-42

Revision  
A

CONTROL LINE MC02  
 X = 329233.402  
 Y = 8202030.093  
 Z = 3.844

Datum 2.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								
		3.300	0.000	3.300	6.600	7.600	8.664	
		3.725	3.773	3.655	3.532	3.404	3.240	
		3.813	3.844	3.813	3.781	3.772	3.240	

CHAINAGE 430

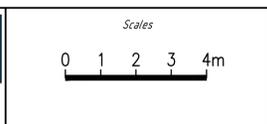
CONTROL LINE MC02  
 X = 329228.667  
 Y = 8202021.285  
 Z = 4.195

Datum 2.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								
		3.300	0.000	3.300	6.600	7.600	9.127	
		4.109	4.195	4.204	3.617	3.561	3.452	
		4.109	4.195	4.204	4.213	4.215	3.452	

CHAINAGE 420

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 43 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-43  
 Revision: A

CONTROL LINE MC02  
 X = 329243.015  
 Y = 8202047.630  
 Z = 3.402

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							
	3.300	0.000	2.910	6.210	7.210	9.317	

CHAINAGE 450

CONTROL LINE MC02  
 X = 329238.138  
 Y = 8202038.901  
 Z = 3.597

Datum 2.00

DESIGN HEIGHT							
EXISTING SURFACE							
OFFSETS							
	3.300	0.000	3.300	6.600	7.600	8.888	

CHAINAGE 440

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	ES 18/12/2025



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC02 SHEET 44 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-44
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseneng.com.au

CONTROL LINE MC02  
 X = 329253.688  
 Y = 8202064.539  
 Z = 3.141

Datum 0.00

DESIGN HEIGHT								
			3.135		3.141	3.100		
EXISTING SURFACE			3.111		3.156	3.107		
OFFSETS			3.300		0.000	1.590		

CHAINAGE 470

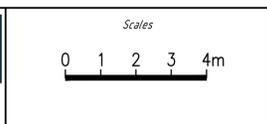
CONTROL LINE MC02  
 X = 329248.201  
 Y = 8202056.180  
 Z = 3.255

Datum 0.00

DESIGN HEIGHT								
			3.234		3.255	3.199		
EXISTING SURFACE			3.219		3.253	3.153		
OFFSETS			3.300		0.000	2.250		

CHAINAGE 460

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



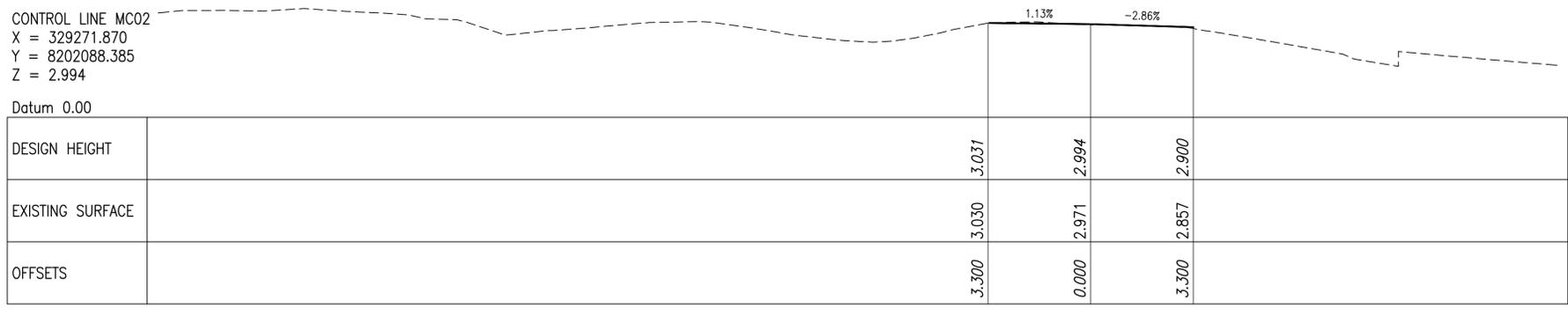
Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 45 / 75



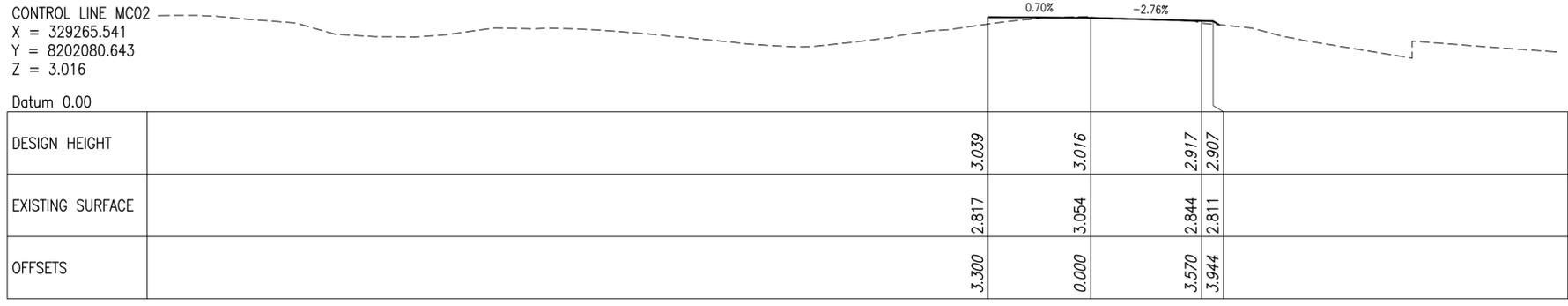
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



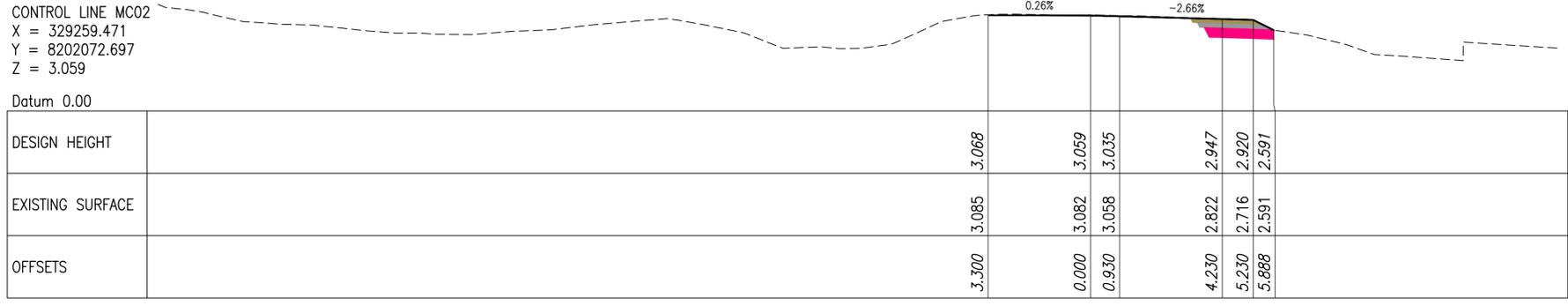
<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-45
Revision	A



CHAINAGE 500



CHAINAGE 490



CHAINAGE 480

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC02  
 SHEET 46 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**

Job Number  
25019

Drawing Number  
25019-HEG-C09-XS-46

Revision  
A

CONTROL LINE MC02  
 X = 329289.328  
 Y = 8202108.507  
 Z = 3.024

Datum 0.00

DESIGN HEIGHT		3.092	3.024	2.921
EXISTING SURFACE		3.117	2.996	2.890
OFFSETS		3.300	0.000	3.300

CHAINAGE 526.64

CONTROL LINE MC02  
 X = 329284.952  
 Y = 8202103.513  
 Z = 2.992

Datum 0.00

DESIGN HEIGHT		3.055	2.992	2.891
EXISTING SURFACE		3.059	2.996	2.866
OFFSETS		3.300	0.000	3.300

CHAINAGE 520

CONTROL LINE MC02  
 X = 329278.371  
 Y = 8202095.984  
 Z = 2.975

Datum 0.00

DESIGN HEIGHT		3.027	2.975	2.878
EXISTING SURFACE		3.020	2.974	2.840
OFFSETS		3.300	0.000	3.300

CHAINAGE 510

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC02 SHEET 47 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-47
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC03  
 X = 328394.202  
 Y = 8201421.273  
 Z = 2.339

Datum 0.00

DESIGN HEIGHT			2.387	2.339		2.163	2.119	1.961
EXISTING SURFACE			2.389	2.339		2.083	1.998	1.961
OFFSETS			0.973	0.000		4.026	5.026	5.660

CHAINAGE 20

CONTROL LINE MC03  
 X = 328385.616  
 Y = 8201416.151  
 Z = 2.309

Datum 0.00

DESIGN HEIGHT				2.322		2.145	2.100	1.884
EXISTING SURFACE				2.322		2.027	1.951	1.884
OFFSETS				0.286		3.663	4.663	5.529

CHAINAGE 10

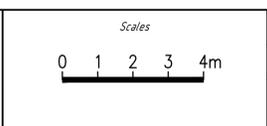
CONTROL LINE MC03  
 X = 328377.418  
 Y = 8201410.429  
 Z = 2.237

Datum 0.00

DESIGN HEIGHT				2.237		2.086	2.040	1.704
EXISTING SURFACE				2.237		1.889	1.809	1.704
OFFSETS				0.000		3.300	4.300	5.644

CHAINAGE 0

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 48 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-48
Revision	A

CONTROL LINE MC03  
 X = 328421.828  
 Y = 8201432.830  
 Z = 2.365

Datum 0.00

DESIGN HEIGHT		2.475	2.365	2.151	2.109	1.993
EXISTING SURFACE		2.478	2.365	2.151	2.043	1.993
OFFSETS		3.629	0.000	5.021	6.021	6.485

CHAINAGE 50

CONTROL LINE MC03  
 X = 328412.360  
 Y = 8201429.617  
 Z = 2.344

Datum 0.00

DESIGN HEIGHT		2.449	2.344	2.146	2.104
EXISTING SURFACE		2.452	2.344	2.145	2.065
OFFSETS		3.019	0.000	4.751	5.751

CHAINAGE 40

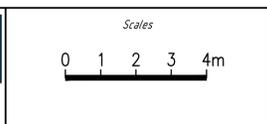
CONTROL LINE MC03  
 X = 328403.132  
 Y = 8201425.769  
 Z = 2.331

Datum 0.00

DESIGN HEIGHT		2.410	2.331	2.144	2.101	2.000
EXISTING SURFACE		2.410	2.331	2.122	2.033	2.000
OFFSETS		2.036	0.000	4.388	5.388	5.792

CHAINAGE 30

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 49 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-49
Revision	A

CONTROL LINE MC03  
 X = 328450.395  
 Y = 8201441.990  
 Z = 2.426

Datum 0.00

DESIGN HEIGHT							
		2.566		2.426		2.135	
EXISTING SURFACE		2.576		2.426		2.135	
OFFSETS		5.060		0.000		5.219	

CHAINAGE 80

CONTROL LINE MC03  
 X = 328440.873  
 Y = 8201438.937  
 Z = 2.406

Datum 0.00

DESIGN HEIGHT							
		2.532		2.406		2.137	
EXISTING SURFACE		2.526		2.406		2.137	
OFFSETS		4.427		0.000		5.153	

CHAINAGE 70

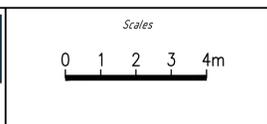
CONTROL LINE MC03  
 X = 328431.351  
 Y = 8201435.883  
 Z = 2.383

Datum 0.00

DESIGN HEIGHT							
		2.498		2.383		2.136	
EXISTING SURFACE		2.489		2.383		2.136	
OFFSETS		4.024		0.000		5.087	

CHAINAGE 60

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 50 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-50  
 Revision: A

CONTROL LINE MC03  
 X = 328479.709  
 Y = 8201447.870  
 Z = 2.428

Datum 0.00

DESIGN HEIGHT		2.487	2.428	2.179	2.123	2.037
EXISTING SURFACE		2.487	2.428	2.179	2.073	2.037
OFFSETS		1.810	0.000	4.454	5.454	5.798

CHAINAGE 110

CONTROL LINE MC03  
 X = 328469.764  
 Y = 8201446.866  
 Z = 2.469

Datum 0.00

DESIGN HEIGHT		2.569	2.469	2.096	2.020
EXISTING SURFACE		2.569	2.469	2.096	2.008
OFFSETS		3.389	0.000	4.928	5.928

CHAINAGE 100

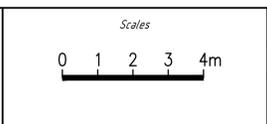
CONTROL LINE MC03  
 X = 328459.969  
 Y = 8201444.873  
 Z = 2.473

Datum 0.00

DESIGN HEIGHT		2.627	2.473	2.159	2.099
EXISTING SURFACE		2.642	2.473	2.159	2.067
OFFSETS		5.726	0.000	5.285	6.285

CHAINAGE 90

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 51 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-51
Revision	A

CONTROL LINE MC03  
 X = 328509.644  
 Y = 8201446.315  
 Z = 2.371

Datum 0.00

DESIGN HEIGHT		2.394	2.371	2.240
EXISTING SURFACE		2.394	2.371	2.240
OFFSETS		1.641	0.000	3.400

CHAINAGE 140

CONTROL LINE MC03  
 X = 328499.676  
 Y = 8201447.121  
 Z = 2.381

Datum 0.00

DESIGN HEIGHT		2.404	2.381	2.228	2.195	2.038
EXISTING SURFACE		2.404	2.381	2.228	2.132	2.038
OFFSETS		1.678	0.000	3.504	4.247	4.874

CHAINAGE 130

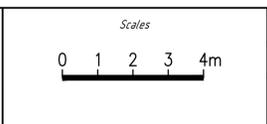
CONTROL LINE MC03  
 X = 328489.705  
 Y = 8201447.877  
 Z = 2.404

Datum 0.00

DESIGN HEIGHT		2.435	2.404	2.237	2.195	1.948
EXISTING SURFACE		2.435	2.404	2.237	2.099	1.948
OFFSETS		1.544	0.000	3.979	4.979	5.967

CHAINAGE 120

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 52 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-52  
 Revision: A

CONTROL LINE MC03  
 X = 328539.546  
 Y = 8201443.899  
 Z = 2.413

Datum 0.00

DESIGN HEIGHT			1.77%		-3.20%	
EXISTING SURFACE		2.435	2.413		2.294	
OFFSETS		1.259	0.000		3.722	

CHAINAGE 170

CONTROL LINE MC03  
 X = 328529.579  
 Y = 8201444.705  
 Z = 2.403

Datum 0.00

DESIGN HEIGHT			1.65%		-3.72%	
EXISTING SURFACE		2.428	2.403		2.269	
OFFSETS		1.507	0.000		3.619	

CHAINAGE 160

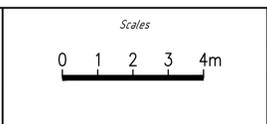
CONTROL LINE MC03  
 X = 328519.611  
 Y = 8201445.510  
 Z = 2.380

Datum 0.00

DESIGN HEIGHT			1.22%		-3.25%	
EXISTING SURFACE		2.399	2.380		2.270	
OFFSETS		1.563	0.000		3.381	

CHAINAGE 150

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC03 SHEET 53 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-53
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC03  
 X = 328569.449  
 Y = 8201441.483  
 Z = 2.435

Datum 0.00

DESIGN HEIGHT			2.446	2.435		2.298
EXISTING SURFACE			2.446	2.435		2.298
OFFSETS		0.749	0.000			4.099

CHAINAGE 200

CONTROL LINE MC03  
 X = 328559.481  
 Y = 8201442.289  
 Z = 2.418

Datum 0.00

DESIGN HEIGHT			2.430	2.418		2.288
EXISTING SURFACE			2.430	2.418		2.288
OFFSETS		0.868	0.000			4.029

CHAINAGE 190

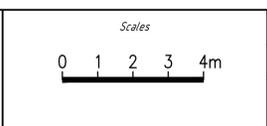
CONTROL LINE MC03  
 X = 328549.514  
 Y = 8201443.094  
 Z = 2.420

Datum 0.00

DESIGN HEIGHT			2.433	2.420		2.292
EXISTING SURFACE			2.433	2.420		2.292
OFFSETS		1.082	0.000			3.886

CHAINAGE 180

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC03 SHEET 54 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-54
Revision	A

CONTROL LINE MC03  
 X = 328599.351  
 Y = 8201439.068  
 Z = 2.518

Datum 0.00

DESIGN HEIGHT		2.487	2.518	2.321
EXISTING SURFACE		2.487	2.497	2.321
OFFSETS		1.000	0.000	4.488

CHAINAGE 230

CONTROL LINE MC03  
 X = 328589.384  
 Y = 8201439.873  
 Z = 2.500

Datum 0.00

DESIGN HEIGHT		2.515	2.500	2.323
EXISTING SURFACE		2.515	2.490	2.323
OFFSETS		0.847	0.000	4.362

CHAINAGE 220

CONTROL LINE MC03  
 X = 328579.416  
 Y = 8201440.678  
 Z = 2.468

Datum 0.00

DESIGN HEIGHT		2.487	2.468	2.323
EXISTING SURFACE		2.487	2.471	2.323
OFFSETS		0.552	0.000	4.312

CHAINAGE 210

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC03 SHEET 55 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-55
Revision	A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

CONTROL LINE MC03  
 X = 328629.247  
 Y = 8201439.147  
 Z = 2.443

Datum 0.00

DESIGN HEIGHT			2.435	2.443		2.397	2.388		1.793	2.006
EXISTING SURFACE			2.435	2.443		2.397	2.355		2.150	2.006
OFFSETS			1.000	0.000		5.355	6.355		8.736	9.162

CHAINAGE 260

CONTROL LINE MC03  
 X = 328619.311  
 Y = 8201438.081  
 Z = 2.497

Datum 0.00

DESIGN HEIGHT			2.481	2.497		2.330
EXISTING SURFACE			2.481	2.497		2.330
OFFSETS			1.000	0.000		4.928

CHAINAGE 250

CONTROL LINE MC03  
 X = 328609.319  
 Y = 8201438.262  
 Z = 2.513

Datum 0.00

DESIGN HEIGHT			2.511	2.513		2.341
EXISTING SURFACE			2.511	2.502		2.341
OFFSETS			1.000	0.000		4.536

CHAINAGE 240

A		100% Submission	PS	ES	18/12/2025
Rev	Description	By	Appd	Date	
AMENDMENTS					



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC03 SHEET 56 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-56
Revision	A

CONTROL LINE MC03  
 X = 328659.001  
 Y = 8201441.636  
 Z = 2.360

Datum 0.00

DESIGN HEIGHT										
EXISTING SURFACE										
OFFSETS										

CHAINAGE 290

CONTROL LINE MC03  
 X = 328649.013  
 Y = 8201441.969  
 Z = 2.376

Datum 0.00

DESIGN HEIGHT										
EXISTING SURFACE										
OFFSETS										

CHAINAGE 280

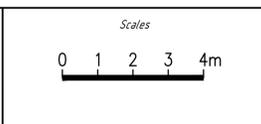
CONTROL LINE MC03  
 X = 328639.061  
 Y = 8201441.058  
 Z = 2.421

Datum 0.00

DESIGN HEIGHT										
EXISTING SURFACE										
OFFSETS										

CHAINAGE 270

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 57 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-57  
 Revision: A

CONTROL LINE MC03  
 X = 328688.891  
 Y = 8201439.068  
 Z = 2.575

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE		2.019	2.002	2.309	2.397		2.288	2.157
OFFSETS		0.000	3.300	6.600	7.600		12.456	13.888

CHAINAGE 320

CONTROL LINE MC03  
 X = 328678.928  
 Y = 8201439.924  
 Z = 2.461

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE		1.788	1.807	2.390	2.389		2.274	2.149
OFFSETS		0.000	3.300	6.600	7.600		12.294	13.827

CHAINAGE 310

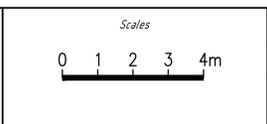
CONTROL LINE MC03  
 X = 328668.964  
 Y = 8201440.780  
 Z = 2.389

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE		1.756	2.187	2.418	2.433		2.303	2.177
OFFSETS		0.000	3.300	6.600	7.600		11.876	13.396

CHAINAGE 300

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	ES 18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 58 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-58  
 Revision: A

CONTROL LINE MC03  
 X = 328717.286  
 Y = 8201446.563  
 Z = 2.986

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE		3.096	3.089	2.911	2.850	2.436	2.274
OFFSETS	0.000	3.300	6.600	7.600	13.057	14.302	

CHAINAGE 350

CONTROL LINE MC03  
 X = 328708.512  
 Y = 8201441.815  
 Z = 2.931

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE		2.745	2.633	2.481	2.427	2.415	2.451
OFFSETS	0.000	3.300	6.600	7.600	13.191	14.931	

CHAINAGE 340

CONTROL LINE MC03  
 X = 328698.866  
 Y = 8201439.270  
 Z = 2.733

Datum 0.00

DESIGN HEIGHT							
EXISTING SURFACE		2.246	2.228	2.234	2.304	2.380	2.341
OFFSETS	0.000	3.300	6.600	7.600	12.744	14.404	

CHAINAGE 330

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 59 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

AS ANZ

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-59
Revision	A



CONTROL LINE MC03  
 X = 328742.793  
 Y = 8201499.244  
 Z = 2.141

Datum 0.00

DESIGN HEIGHT		2.141	2.115	2.088	2.080	2.209
EXISTING SURFACE		2.151	2.071	2.098	2.160	2.209
OFFSETS		0.000	3.300	6.600	7.600	8.330

CHAINAGE 410

CONTROL LINE MC03  
 X = 328738.454  
 Y = 8201490.238  
 Z = 2.264

Datum 0.00

DESIGN HEIGHT		2.264	2.244	2.224	2.218	1.974	2.622
EXISTING SURFACE		2.541	2.501	2.527	2.545	2.566	2.622
OFFSETS		0.000	3.300	6.600	7.600	8.578	9.873

CHAINAGE 400

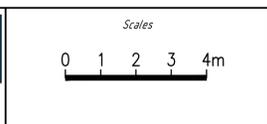
CONTROL LINE MC03  
 X = 328735.664  
 Y = 8201480.653  
 Z = 2.588

Datum 0.00

DESIGN HEIGHT		2.588	2.575	2.562	2.558	1.925	2.667
EXISTING SURFACE		2.584	2.605	2.615	2.618	2.630	2.667
OFFSETS		0.000	3.300	6.600	7.600	10.130	11.612

CHAINAGE 390

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	ES 18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC03  
 SHEET 61 / 75



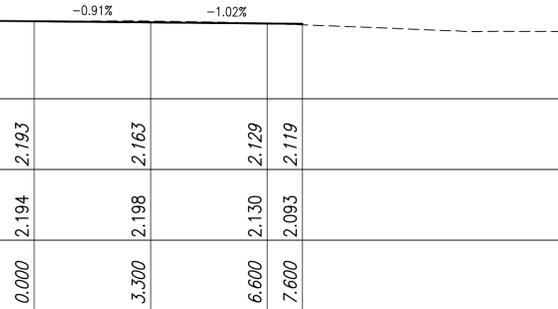
Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-61  
 Revision: A

CONTROL LINE MC03  
 X = 328745.067  
 Y = 8201503.763  
 Z = 2.193

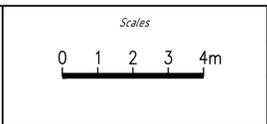
Datum 0.00

DESIGN HEIGHT				
EXISTING SURFACE				
OFFSETS				



CHAINAGE 415.058

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC03 SHEET 62 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-62
Revision	A

CONTROL LINE MC04  
 X = 328595.924  
 Y = 8201484.555  
 Z = 3.141

Datum 0.00

DESIGN HEIGHT							
		1.264	0.000	3.300	6.600	7.600	10.444
EXISTING SURFACE		3.164	3.125	2.943	2.810	2.777	2.500
OFFSETS		3.164	3.141	3.171	3.202	3.211	2.500

CHAINAGE 20

CONTROL LINE MC04  
 X = 328585.964  
 Y = 8201485.287  
 Z = 3.177

Datum 0.00

DESIGN HEIGHT							
		0.754	0.000	3.300	6.600	7.600	8.747
EXISTING SURFACE		3.182	3.156	3.048	2.820	2.812	2.802
OFFSETS		3.182	3.177	3.139	3.101	3.089	2.802

CHAINAGE 10

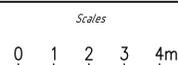
CONTROL LINE MC04  
 X = 328576.029  
 Y = 8201484.271  
 Z = 3.152

Datum 0.00

DESIGN HEIGHT							
		0.000	3.432	6.732	7.732	8.429	
EXISTING SURFACE		3.149	3.045	2.789	2.750	2.727	
OFFSETS		3.152	3.041	2.934	2.901	2.727	

CHAINAGE 0

AMENDMENTS			
Rev	Description	By	Date
A	100% Submission	PS	ES 18/12/2025



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 63 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-63  
 Revision: A



CONTROL LINE MC04  
 X = 328646.343  
 Y = 8201453.841  
 Z = 2.404

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								

CHAINAGE 80

CONTROL LINE MC04  
 X = 328637.741  
 Y = 8201458.909  
 Z = 2.464

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								

CHAINAGE 70

CONTROL LINE MC04  
 X = 328630.253  
 Y = 8201465.520  
 Z = 2.524

Datum 0.00

DESIGN HEIGHT								
EXISTING SURFACE								
OFFSETS								

CHAINAGE 60

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 65 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-65  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC04  
 X = 328675.634  
 Y = 8201448.337  
 Z = 2.385

Datum 0.00

DESIGN HEIGHT								
			2.186	2.379		2.401	2.418	2.427
EXISTING SURFACE		2.186	2.155	2.139		1.923	1.771	1.594
OFFSETS		1.775	1.000	0.000		3.300	6.600	8.100

CHAINAGE 110

CONTROL LINE MC04  
 X = 328665.670  
 Y = 8201449.193  
 Z = 2.345

Datum 0.00

DESIGN HEIGHT								
			2.242	2.342		2.354	2.363	2.372
EXISTING SURFACE		2.242	2.204	2.087		1.931	1.822	2.014
OFFSETS		1.400	1.000	0.000		3.300	6.600	8.100

CHAINAGE 100

CONTROL LINE MC04  
 X = 328655.779  
 Y = 8201450.582  
 Z = 2.353

Datum 0.00

DESIGN HEIGHT								
			2.191	2.351		2.359	2.366	2.374
EXISTING SURFACE		2.191	2.197	2.160		1.994	2.139	2.322
OFFSETS		1.640	1.000	0.000		3.300	6.600	7.970

CHAINAGE 90

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 66 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-66  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC04  
 X = 328705.253  
 Y = 8201449.596  
 Z = 2.791

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 140

CONTROL LINE MC04  
 X = 328695.575  
 Y = 8201447.216  
 Z = 2.607

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 130

CONTROL LINE MC04  
 X = 328685.597  
 Y = 8201447.481  
 Z = 2.472

Datum 0.00

DESIGN HEIGHT									
EXISTING SURFACE									
OFFSETS									

CHAINAGE 120

A 100% Submission				PS	ES	18/12/2025
Rev	Description	By	Appd	Date		
AMENDMENTS						



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 67 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

AS-ANZ  
  
 THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-67
Revision	A

CONTROL LINE MC04  
 X = 328725.258  
 Y = 8201470.715  
 Z = 2.770

Datum 0.00

DESIGN HEIGHT			2.809	2.770	2.744	2.719	2.717
EXISTING SURFACE			2.809	2.760	2.760	2.741	2.737
OFFSETS			1.125	0.000	3.300	6.600	8.234

CHAINAGE 170

CONTROL LINE MC04  
 X = 328720.721  
 Y = 8201461.841  
 Z = 2.870

Datum 0.00

DESIGN HEIGHT			2.872	2.870	2.855	2.840	2.841
EXISTING SURFACE			2.872	2.851	2.846	2.762	2.754
OFFSETS			1.007	0.000	3.300	6.600	8.422

CHAINAGE 160

CONTROL LINE MC04  
 X = 328713.868  
 Y = 8201454.606  
 Z = 2.960

Datum 0.00

DESIGN HEIGHT			2.856	2.956	2.960	2.974	2.987	2.965
EXISTING SURFACE			2.856	2.856	2.856	2.897	3.048	3.079
OFFSETS			1.400	1.000	0.000	3.300	6.600	8.491

CHAINAGE 150

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 68 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	

AS-NZS

<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-68
Revision	A

CONTROL LINE MC04  
 X = 328733.848  
 Y = 8201499.288  
 Z = 2.230

Datum 0.00

DESIGN HEIGHT			2.230		2.173	2.116	2.111
EXISTING SURFACE			2.224		2.143	2.108	2.177
OFFSETS		0.000		3.300		6.600	8.010

CHAINAGE 200

CONTROL LINE MC04  
 X = 328729.755  
 Y = 8201490.175  
 Z = 2.472

Datum 0.00

DESIGN HEIGHT			2.305	2.479	2.472		2.431		2.391	2.364
EXISTING SURFACE			2.305	2.361	2.378		2.538		2.662	2.609
OFFSETS		1.335	0.577	0.000		3.300		6.600		8.138

CHAINAGE 190

CONTROL LINE MC04  
 X = 328727.404  
 Y = 8201480.469  
 Z = 2.670

Datum 0.00

DESIGN HEIGHT			2.445	2.678	2.670		2.643		2.617	2.604
EXISTING SURFACE			2.445	2.466	2.504		2.594		2.608	2.614
OFFSETS		1.931	1.000	0.000		3.300		6.600		8.100

CHAINAGE 180

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client: DURACK CIVIL  
 Project: DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE  
 Drawing Title: ANNOTATIVE CROSS SECTION - MC04  
 SHEET 69 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



**DETAILED DESIGN**  
 Job Number: 25019  
 Drawing Number: 25019-HEG-C09-XS-69  
 Revision: A

THIS DRAWING IS COPYRIGHT ©  
 DO NOT SCALE DRAWING. ORIGINAL DRAWING IS A1 SIZE.

www.hanseng.com.au

CONTROL LINE MC04  
 X = 328734.193  
 Y = 8201499.972  
 Z = 2.245

Datum 0.00

DESIGN HEIGHT		2.245	2.187	2.129	2.111
EXISTING SURFACE		2.245	2.162	2.079	2.095
OFFSETS		0.000	3.300	6.600	8.010

-1.75%      -1.32%

CHAINAGE 200.766

Rev	Description	By	Appd	Date
A	100% Submission	PS	ES	18/12/2025
AMENDMENTS				



Client:	DURACK CIVIL
Project:	DAINTREE FERRY LANDSIDE INFRASTRUCTURE UPGRADE
Drawing Title:	ANNOTATIVE CROSS SECTION - MC04 SHEET 70 / 75



Design	ES
Drawn	PS
Date	18/12/2025
Checked	NH
Approved	ES
RPEQ No.	



<b>DETAILED DESIGN</b>	
Job Number	25019
Drawing Number	25019-HEG-C09-XS-70
Revision	A

## Appendix B

# Proposed Landscaping Plans