

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2022/1279

Date: 05/12/2022



Redland Investment Corporation

Weinam Creek Stage 3A

OPW Application Issue

14 March 2022

dotdash

Sign Location Plans



Legend (symbols enlarged for clarity)

Wayfinding Signs

- Sign Location
Refer to detail plans for orientation
- X-0XX | DRx

Directional Sign

└─ sign type

└─ unique sign number

Circulation Paths

-  →

Vehicular
-  →

Pedestrian

Unless otherwise noted all dimensions in millimetres. Use figured dimensions in preference to scaling. Contractor to confirm all dimensions and details on site prior to manufacture.

ATTENTION
This plan is to be used for general sign locations only. All locations are to be confirmed on site prior to installation.

REFERENCE DOCUMENTS
This drawing must be read in conjunction with the following documents:
- Wayfinding Sign Schedule
- Sign Type Drawings

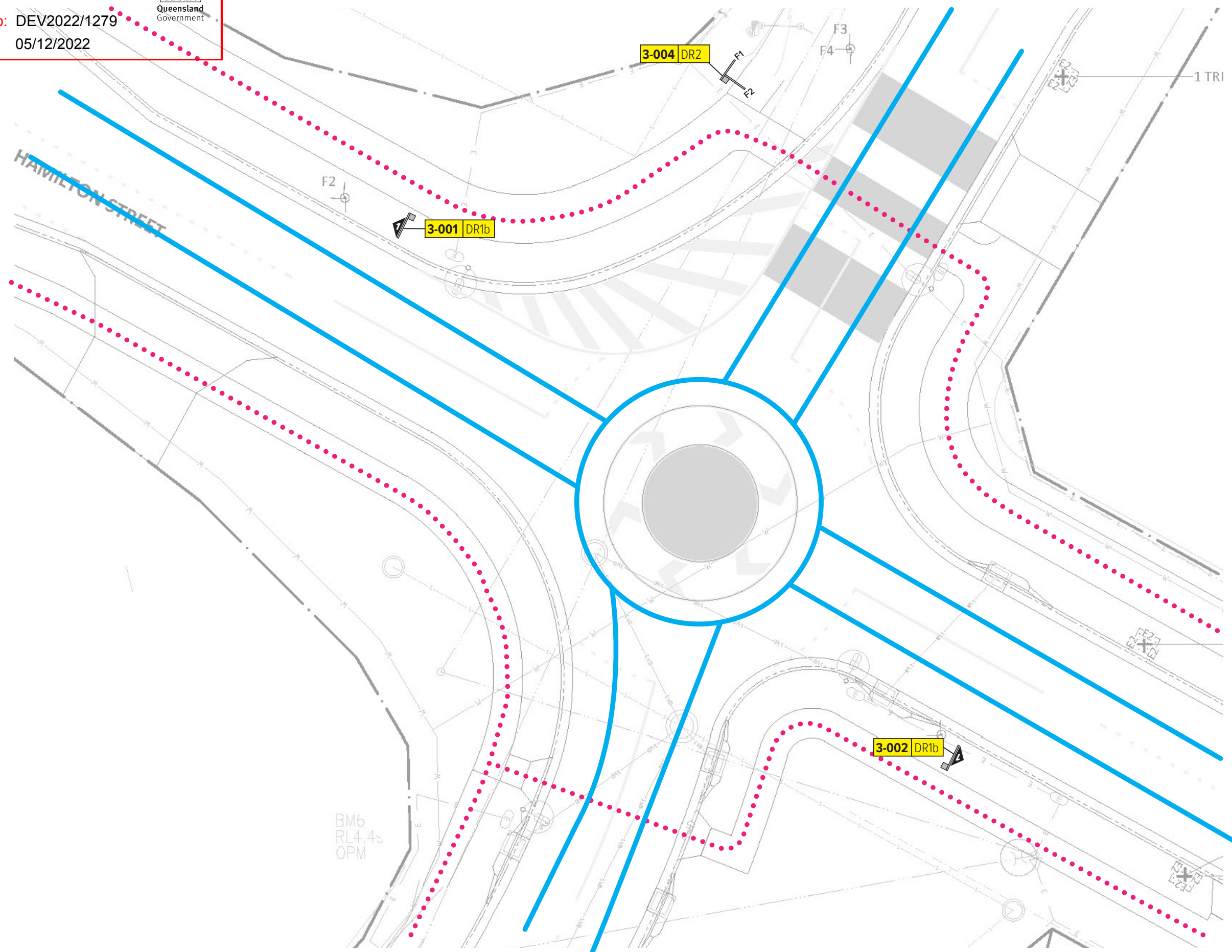
Note: Signs on road reserve require council approval and will need to meet all relevant TMR requirements.

PLANS AND DOCUMENTS
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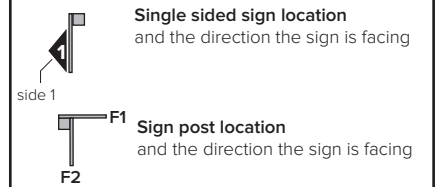
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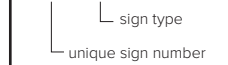


Legend (symbols enlarged for clarity)

Wayfinding Signs



X-0XX | DRx Directional Sign



Circulation Paths



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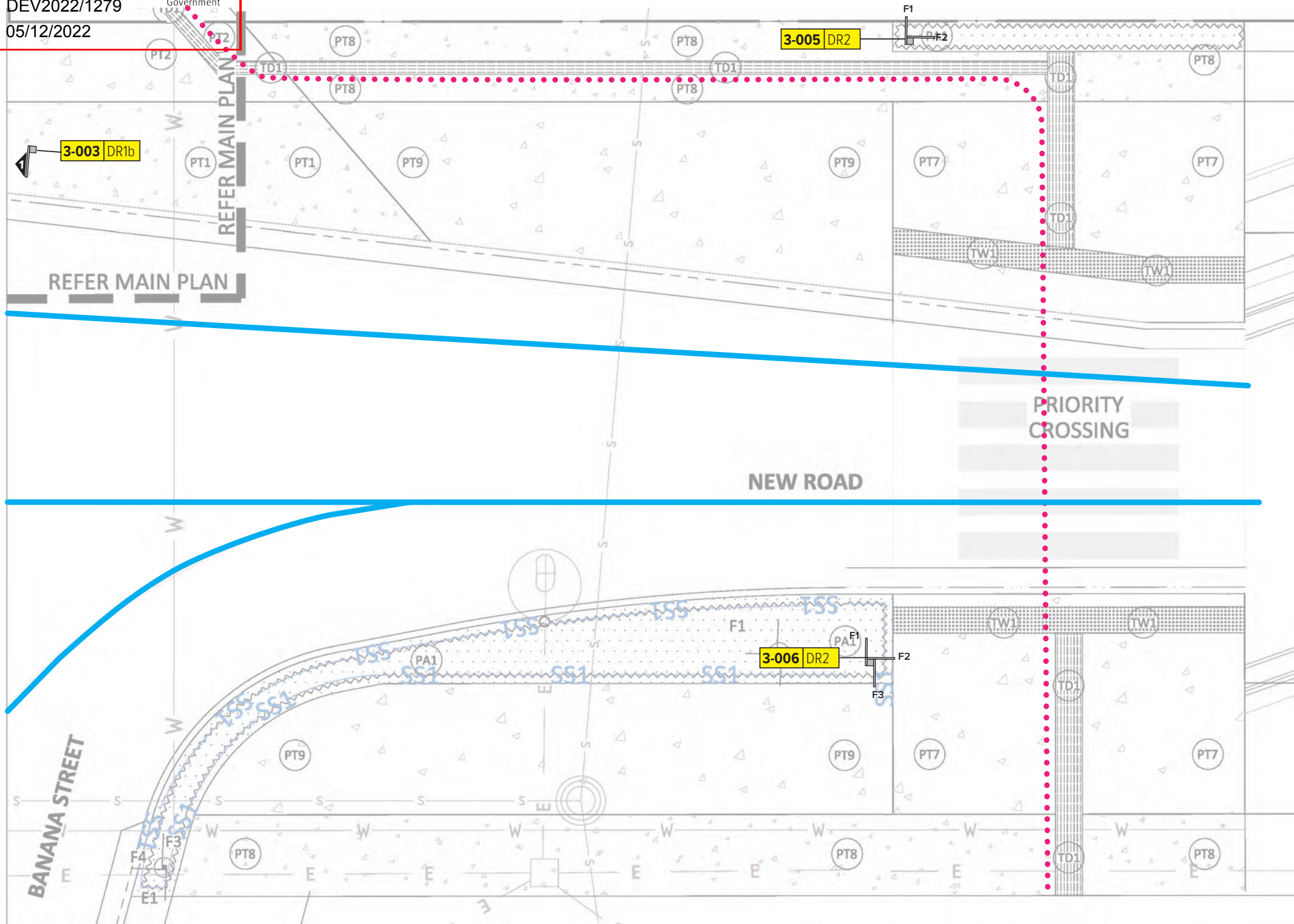
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Note: Signs on road reserve require council approval and will need to meet all relevant TMR requirements.



Legend (symbols enlarged for clarity)

Wayfinding Signs



X-0XX DRx Directional Sign
└─ sign type
└─ unique sign number

Circulation Paths



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ATTENTION

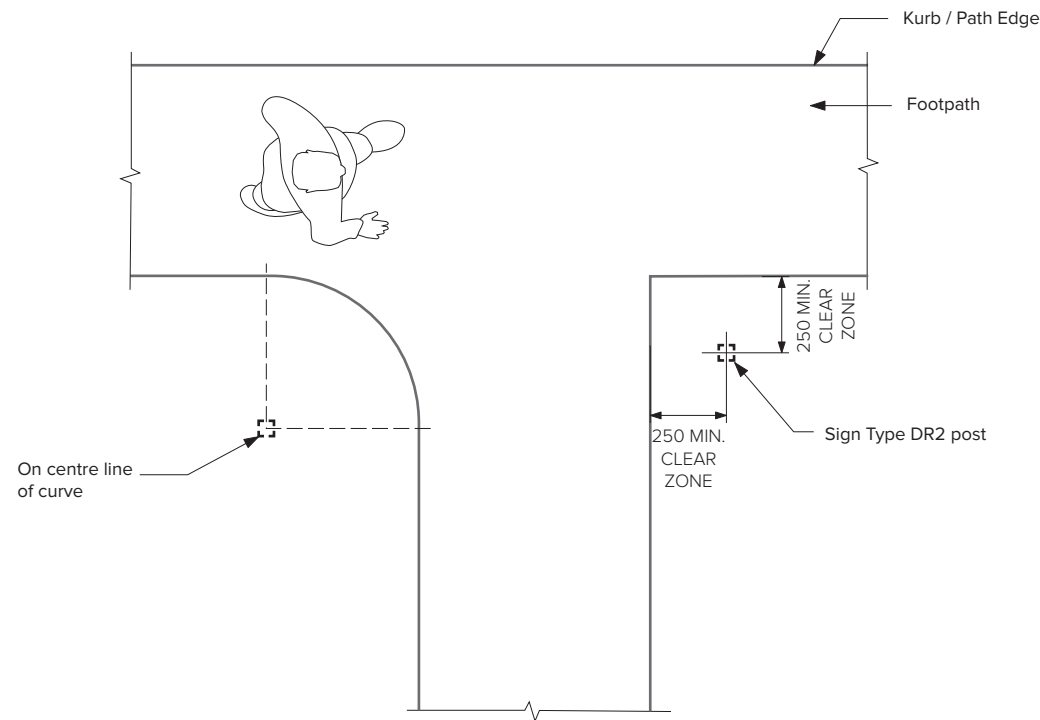
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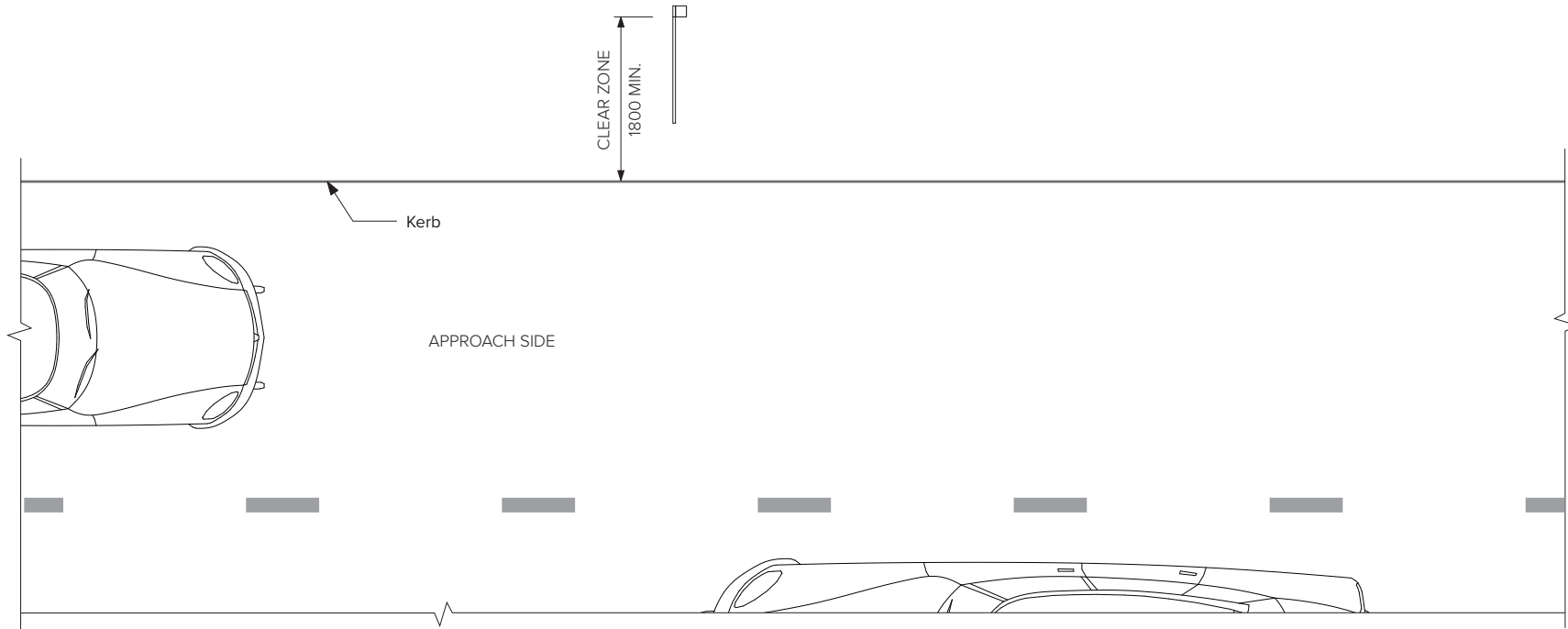
Note: Signs on road reserve require council approval and will need to meet all relevant TMR requirements.

03/03/22



Pedestrian Principle 2 - DR2 Pedestrian Directional Fingersign

Not to scale



Vehicle Principle 1 - DR1a / DR1b Directional Sign on Approach Side

Not to scale

NOTE

- All signs located along roads are to comply with the 'Design Guide for Roadside Signs' standards issued by Department of Main Road Traffic and Road Use Management Division.
- All signs located within the clear zone are to be frangible

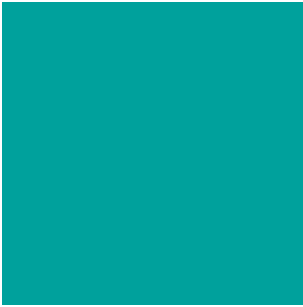
Sign Type Drawings



Water Colour Palette



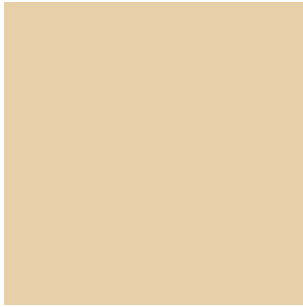
Resene Tangaroa - B32-025-247
PMS 539 C



PMS 3272 C



WHITE



PMS 7500 C



Typical graphic layout

Pictograms



Parking



Ferry Terminal

Redland City Council Logo



SEMI BOLD

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Rum Sans Semi Bold

SEMI BOLD
ITALIC

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Rum Sans Semi Bold Italic

MEDIUM

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Rum Sans Medium

MEDIUM ITALIC

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Rum Sans Medium Italic

LIGHT

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Rum Sans Light

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REFERENCE DOCUMENTS

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- Wayfinding Sign Schedule
- Sign Location Plans
- Specification

GENERAL CONSTRUCTION NOTES

• Drawings show design intent. Any changes to specification which affects design intent must be approved by Dot Dash.

• All structural members, fixings and/or footings to be confirmed by sign maker's engineer.

• Signmaker to confirm all details for approval on shop drawings prior to manufacture.

• Ground levels/slopes shown are indicative only. Final surveys are to be conducted by the signmaker at each sign location to ensure that base details match the design intent.

Construction Details

1. 75 x 75 x 4mm SHS galvanised steel post with welded cap.

2. 6mm thick aluminium sign panel, 5mm radius at all corners, 2 pack painted.

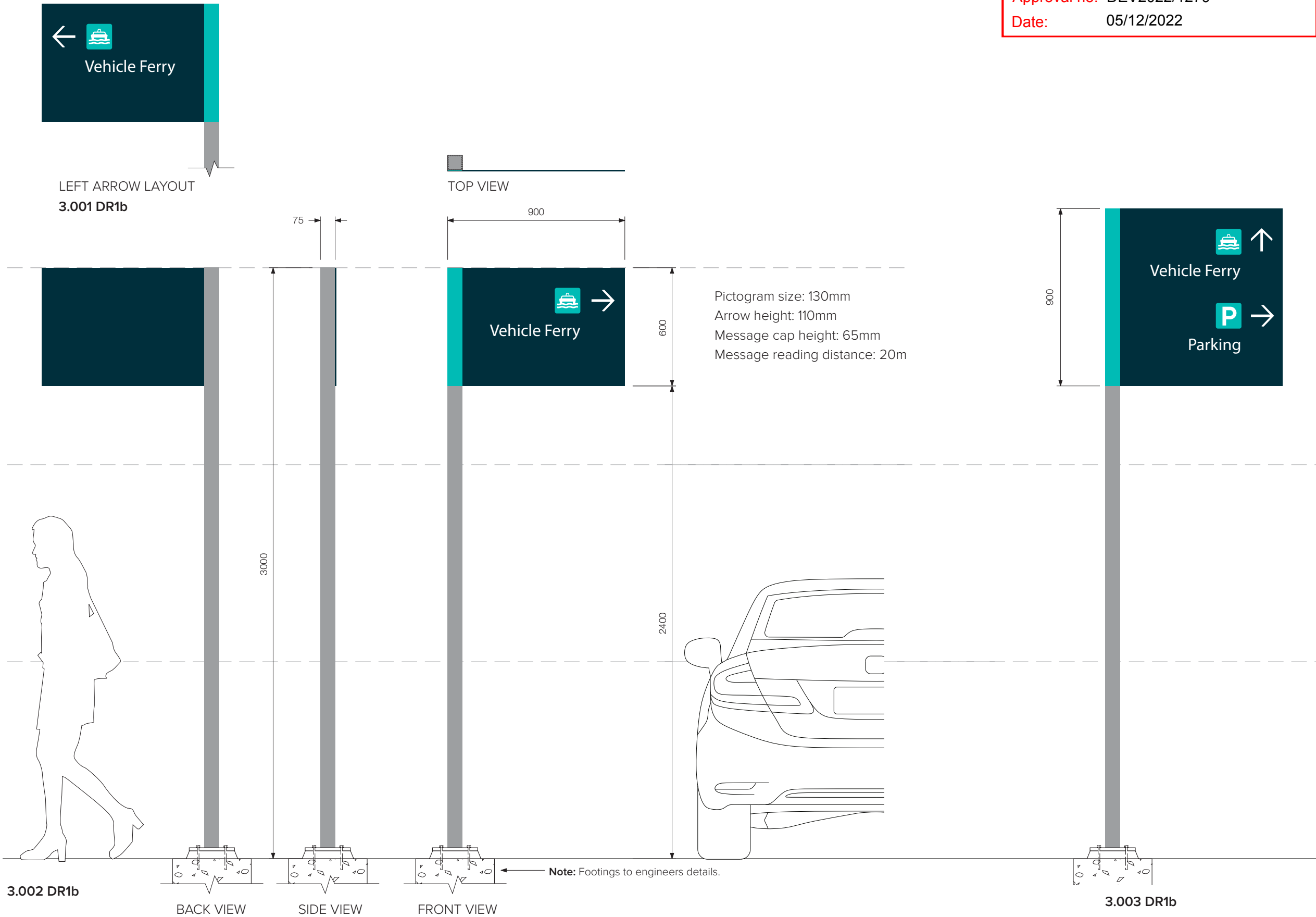
3. Plotter cut cast vinyl graphics, applied to face of sign and clearcoated.

4. Sign panel to be fixed via M8 button head stainless steel post head torx security screw fixings. Painted to match panel.

5. Reinforced concrete footing to engineer's detail to suit each location. Direct embedment or welded base plate with hold down bolts and levelling nuts. Finished neatly with landscape.

Graphics Detail

Refer to Sheet 2.



Typical Elevations

Scale 1:20

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Level 5 / 371 Queen Street Brisbane City Queensland 4000 Australia

REDLAND INVESTMENT CORPORATION • Weinam Creek Stage 3A Wayfinding Signage | SIGN TYPE DRAWING • Vehicle Directional - Small

Drawing Size	Date	Issue	Status
Printed at A3	14.03.22	A	OPW Application Issue

Drawing No	Sheet
6050.DR1b	1 of 2

SIGN TYPE

DR1b



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Construction Details

Refer to Sheet 1.

Graphics Detail

To be developed.



3.001 DR1b



3.002 DR1b



3.003 DR1b

Graphic Layouts

Scale 1:10

Pictogram size: 130mm
Arrow height: 110mm
Message cap height: 65mm
Message reading distance: 20m

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Construction Details

1. 75 x 75 x 4mm SHS galvanised steel sign structure.

2. 6mm thick aluminium doubled sided sign panel, 5mm radius at all corners, 2 pack painted.

3. Plotter cut cast vinyl graphics, applied to face of sign and clearcoated.

4. Sign panel to be fixed via M8 button head stainless steel post head torx security screw fixings. Painted to match panel.

5. Reinforced concrete footing to engineer's detail. Welded base plate with hold down bolts and levelling nuts. Finished neatly with landscape.

Graphics Detail

Refer to Sheet 2.

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Typical Graphic Layout

Scale 1:5

Note: Travel times to be calculated once final sign location has been confirmed by client.

Note: Messages to be confirmed.

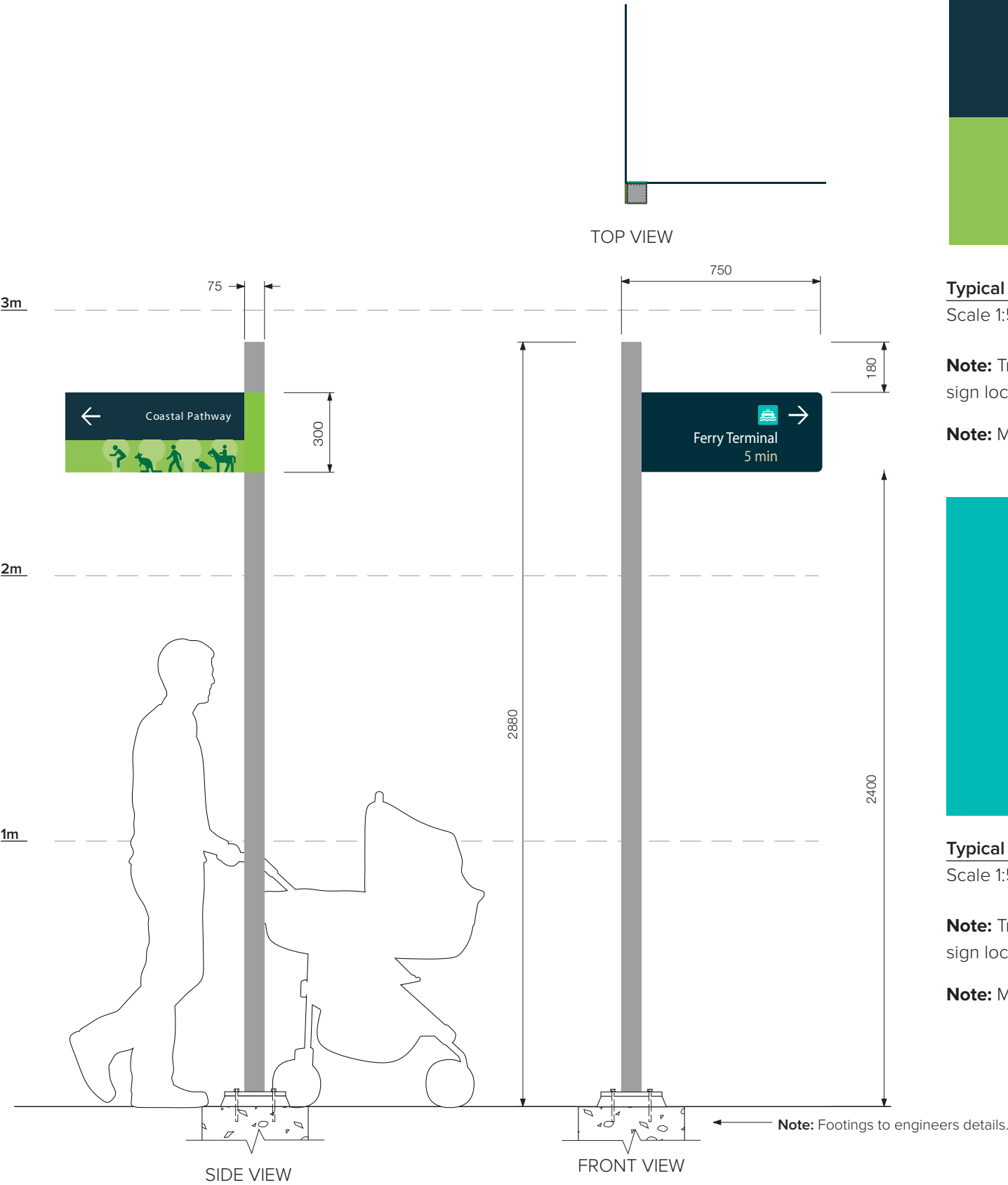


Typical Graphic Layout

Scale 1:5

Note: Travel times to be calculated once final sign location has been confirmed by client.

Note: Messages to be confirmed.



Typical Elevations

Scale 1:20

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Level 5 / 371 Queen Street Brisbane City Queensland 4000 Australia

REDLAND INVESTMENT CORPORATION • Weinam Creek Stage 3A Wayfinding Signage | SIGN TYPE DRAWING • Pedestrian Directional

Drawing Size
Printed at A3

Date
14.03.22

Issue
A

Status
OPW Application Issue

Drawing No
6050.DR2

Sheet
1 of 2

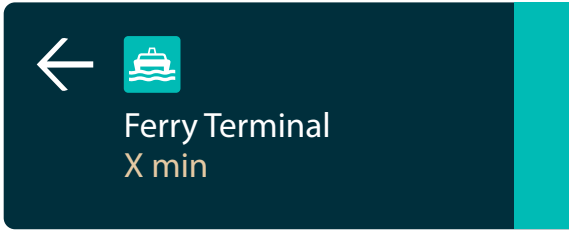
SIGN TYPE
DR2



3.004 DR2 - Finger 1 - Side 1



3.004 DR2 - Finger 1 - Side 2



3.004 DR2 - Finger 2 - Side 1



3.004 DR2 - Finger 2 - Side 2



3.005 DR2 - Finger 1 - Side 1



3.005 DR2 - Finger 1 - Side 2



3.005 DR2 - Finger 2 - Side 1



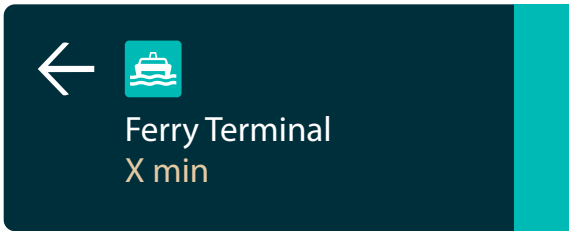
3.005 DR2 - Finger 2 - Side 2



3.006 DR2 - Finger 1 - Side 1



3.006 DR2 - Finger 1 - Side 2



3.006 DR2 - Finger 2 - Side 1



3.006 DR2 - Finger 2 - Side 2



3.006 DR2 - Finger 3 - Side 1



3.006 DR2 - Finger 3 - Side 2

Pictogram size: 75mm
Arrow height: 70mm
Message cap height: 35mm
Message reading distance: 8m

Note: Travel times to be calculated once final sign location has been confirmed by client.

Note: Messages to be confirmed.

Graphic Layouts

Scale 1:10

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• Ground levels/slopes shown are indicative only. Final surveys are to be conducted by the signmaker at each sign location to ensure that base details match the design intent.

Construction Details

Refer to Sheet 1.

Graphics Detail

as noted

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Sign Specifications

SIGN SPECIFICATIONS

1.0 PRELIMINARIES

1.1 Scope of Work

The Sign Maker shall carry out all work necessary to supply and install all signs as shown in the following documents:

- Wayfinding Sign Schedule
- Sign Location Plans
- Sign Type Drawings

This specification is to be read in conjunction with these documents.

Without limiting the generality of the foregoing, the Sign Maker shall

- Design supply, manufacture, store deliver, install, commission and test as appropriate all components of the Works as may be necessary to complete the Works on accordance with the Contract;
- Provide all materials, labour, supervision, plant (including hoisting), equipment (including scaffold and temporary lighting), fixings and all other incidental items which may be necessary to satisfactorily complete the Works in accordance with the Contract;
- Provide all specified and all other necessary support structures, frames, brackets or mouldings to support, build and install all signs included in the Works;
- Verify and be responsible for all dimensions and conditions on the job prior to manufacture, including structural, engineering and footing details and the strength and suitability of materials specified for each sign. The Sign Maker shall notify the Client Representative of any variations from the dimensions and conditions shown by these and any subsequent drawings. If changes are requested they should be submitted as drawings for approval prior to production;
- Provide any alterations required to fix signs to existing structure such as removal of ceiling tiles, plasterboard ceilings or wall sheeting required to install adequate structural fixings for signage. This includes repainting or refurbishing existing panelling, ground surfaces, wall surfaces or electrical fittings where damaged by the Sign Maker during the construction or installation of a sign;
- Allow for protection of all signs during transport and installation and protection to all areas of adjacent work during installation, especially protection of tiled surfaces where access equipment is used (e.g., plywood or plastic covering for protection)
- Provide all samples, shop drawings and prototypes specified.

1.2 The Intent of the Sign Type Drawings and Specification

The intent of the drawings and specifications set out herein is to describe the design intent.

The Sign Maker may request the Construction Manager to agree to proposed amendments to construction details not exposed to view, provided such proposed amendments are notified in ample time prior to the submission of shop drawings.

Where specific products/suppliers have been nominated on the sign type drawings and specification, alternative products/suppliers of equal quality and performance may be substituted.

1.3 Quality of Work

The Sign Maker shall implement quality assurance procedures as set out in the Contract.

1.4 Format of Pricing

Prices are to be provided for supply & installation as a lump sum total and broken up per sign type to allow for additions and deletions if required.

1.5 Production Program

PRODUCTION PROGRAM

The Sign Maker must submit with their price a written production program including allowances shown below in the Review Period for:

- site visits for inspection prior to shop drawings
- shop drawings. These drawings must include the following details and information:
 - Large scale (full size if practical) lettering layouts/spacing templates.
 - Sections and Details of proposed fabrication.
 - Anchorages and Fixings, locations and types.
 - Engineer’s Certification on all structural work. Design wind loading appropriate for the site.
 - Type faces, Colours and Finishes.
- sampling (colours and material, prototypes and fittings)
- manufacture / production inspections
- installation

REVIEW PERIODS

The Sign Maker is to allow the Client Representative review periods in their program as follows:

- critical path matters eg. site conditions affecting installation - 3 working days
- non-critical path matters - 5 working days
- alternate materials / products approval - 5 working days
- approval of shop drawings, samples etc - 5 working days

1.6 Codes and Standards

All work and materials shall comply with the Building Code of Australia, the Workplace Health and Safety Act, and, except where otherwise noted in this Specification, comply with the latest editions of all relevant Australian codes or standards (current issue) of which the following is a selected list:

QUALITY MANAGEMENT

AS/NZS ISO 9001 Quality systems for design/ development, production, installation and servicing

METALWORK

- | | |
|----------------|--|
| AS 1170.2-2002 | Minimum design loads on structures – wind loads |
| AS 3678 | Structural steel – hot-rolled plates, floor-plates and slabs |
| AS 1163 | Structural Steel Hollow Sections |
| AS 1397 | Steel sheet and strip – hot-dipped zinc-coated or aluminium/zinc-coated |
| AS 1444 | Wrought alloy steels – standard and hardenability (H) series |
| AS 1449 | Wrought alloy steels – stainless and heat-resisting steel plate, sheet and strip |

- | | |
|-------------|--|
| AS 1554 | Structural steel welding |
| AS 1627 | Metal finishing – preparation and pre-treatment of surfaces |
| | Part 1 – cleaning using liquid solvents and alkaline solutions |
| | Part 2 – power tool cleaning |
| | Part 4 – abrasive blast cleaning |
| | Part 7 – hand tool cleaning of metal surfaces |
| | Part 9 – pictorial surface preparation standards for painting steel surfaces |
| AS/NZS 4680 | Hot-dip galvanised (zinc) coatings on fabricated ferrous articles |
| AS 1734 | Aluminium and aluminium alloys, flat sheet, coiled sheet and plate |
| AS 3569 | Steel wire ropes |
| AS 4100 | Steel structures |
| AS 4600 | Cold-formed steel structures |

CONCRETE

- | | |
|---------|-----------------------|
| AS 3600 | Concrete structures |
| AS 3610 | Formwork for Concrete |

FASTENERS

- | | |
|---------|---|
| AS 1214 | Hot dip galvanised coatings on threaded fasteners |
| AS 1420 | ISO metric hexagon socket head cap screws |
| AS 1421 | ISO metric hexagon socket set screws |
| AS 1427 | ISO metric machine screws |

SEALANTS

- | | |
|------------|---|
| AS 1527 | Two-part polysulphide based sealing compounds for the building industry |
| AS 001543a | Sealing compound silicone rubber base (US specification) |

PAINTS AND COATINGS

- | | |
|------------|---|
| AS 1231 | Aluminium and aluminium alloys – anodised coatings for architectural applications |
| AS 2039 | Methods for testing anodic oxidation coatings on aluminium and aluminium alloys |
| AS 2310 | Glossary of paint and painting terms |
| AS 2311 | The painting of buildings |
| AS 2312 | Guide to the protection of iron and steel against exterior atmospheric corrosion |
| AS 2700 | Colour standards for general purposes |
| ASTM 03363 | Test method for film hardness by pencil |

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DESIGN FOR ACCESS AND MOBILITY

AS 1428.1	General requirements for access - New building work
AS 1428.2	Enhanced and additional requirements - Buildings and facilities
AS 1428.4	Tactile indicators

TRAFFIC SIGNS

	Design Guide for Roadside Signs (Queensland Government Department of Main Roads)
	Manual of Uniform Traffic Control Devices (Queensland Government Department of Main Roads)
AS 1743	Road Signs
AS 1744	Forms of Letters and Numerals for Road Signs
AS 1906	Retroreflective Materials and Devices for Road Traffic Control Purposes Part 1 - Retroreflective Materials

2.0 FABRICATION, FINISHES AND INSTALLATION

Materials shall be generally as follows:

In conformity with the current applicable Australian Standard Code. All materials shall be new, the best of their respective kind and suitable for their purposes. Materials are to be free from corrosion, prime painted and compatible with the final finish, where applicable. Provide all screws, bolts, rivets, pop rivets, plain and countersunk fastenings and washers of a type and material suitable, sufficient and matching in finish and appearance to the components fastened.

Unless otherwise specified, comply with the following where applicable.

Properties: Allow for expansion/contraction of materials.

Electrolysis: Provide insulation between dissimilar metals to prevent electrolysis.

2.1 Concrete

Concrete for footings shall be of structural quality and free of defect and constructed to Australian Standard Codes for Concrete Reinforcement and Form work. Neat & uniform surrounds where visible, Class 2 (Off-form) finish.

2.2 Aluminium

Aluminium sheet & extruded sections where specified to be used. Single full sheets are to be used for each sign face, there are to be no joints in sheet unless otherwise shown on drawings.

2.3 Mild Steel

All mild steel work to be hot dipped galvanised.

2.4 Pre-treatment

All materials subject to corrosion shall be suitably primed or otherwise treated with permanent protection. Undercoats shall be evenly applied to concealed frames and supports prior to assembly. Non corrosive materials are to be preferred in all cases.

The Sign Maker shall ensure that all surfaces are properly prepared and in suitable condition to receive the coating system prior to the first application as follows:

- Un-primed or damaged primed steelwork shall be abrasive blasted, or power tool cleaned to near white metal, immediately prior to priming or spot priming
- Primed steelwork shall be brushed down and degreased using white spirit
- Galvanised steelwork scheduled to be paint finished shall be degreased using white spirit, and washed with water
- Concrete and masonry surfaces shall be cleaned of all oil, grease and loose foreign matter, including efflorescence and dirt, prior to the application of any paint finishes
- Aluminium should be lightly abraded using fine emery cloth and mineral turpentine as a lubricant. Surfaces should be cleaned with mineral turpentine, washed thoroughly and dried. As soon as surfaces are thoroughly dry, apply self-etching primer to all surfaces. Fine sanding and painting should follow immediately thereafter.

2.5 Mixing and Blending

All paints shall be mixed in accordance with manufacturer's recommendations. Chemically cured coatings shall be blended in exact quantities either by weight or by the use of volume matched containers. Accurate and properly calibrated equipment is required capable of weighing to an accuracy of 5g. The whole contents of volume matched containers shall be blended at once. On no account shall part only of volume matched containers be blended.

Each container shall be thoroughly and separately mixed using clean mixing equipment that has not been in contact with the other containers.

Blended material shall be poured from mixing container; care being taken not to scrape out materials left adhering to the container.

Application shall be carried out within 1 hour of mixing.

Thinning shall only be permitted for spray applications or sealing coats and then only with thinners supplied by the finish manufacturer for this purpose.

2.6 Paint

Paint to be 2 pack Polyurethane and applied in accordance with manufacturer's recommendations for spray application. Generic or unbranded products shall not be used. Use only branded premium quality lines from Dulux, Altex, or an equivalent alternative to be approved by the Client Representative prior to use.

All material required for the application of each finish must be manufactured by one approved manufacturer and used in conjunction with priming and undercoats produced by that manufacturer as a total coating system.

All signs shall be factory painted using sprayed finishes or other approved finishes. Surfaces to be satin finish (20 to 50 percent gloss level), with full and even cover. Where screws bolts or both are applied to prefinished material, retouch to match.

2.7 Protective anti-graffiti coating

All painted faces shall have a final spray clear coat applied over the face to protect from graffiti. The clear coat shall be consistent and compatible with the paint finish and applied as per manufacturers instructions.

2.8 Adhesives

Adhesives must be suitable for their application and applied as per manufacturers instructions. Silicone adhesive is to be Dow Corning, Sikaflex or equal standard. The adhesive must meet the following criteria:

- A one part formulation resistant to UV radiation, aging and weathering
- Capable of withstanding high dynamic stresses

- Very low VOC content and not contain PVC or acetic acid
- High recovery and elastic with low odour

2.9 Vinyl Graphics

Cut from self adhesive vinyl by computer operated flat bed knife cutter or other accurate technique.

TYPE

Exterior grade cast vinyl & Exterior Grade Retro-reflective Vinyl to the relevant Australian Standard for Traffic devices.

COLOURS

As noted on the colour reference page. or list here...

Gloss level to match painted surfaces.

Thickness: .08mm to .10mm thickness range

Manufacturer: 3M, Calon or equal standard.

2.10 Digital Prints

All digital prints are to conform to the following requirements,

- Final output to accurately reflect supplied artwork
- UV cured inks to be used for digital print applications
- Minimum 200dpi resolution at full size
- Minimum 5 year indoor life, minimum 3 year outdoor life
- Print inks and substrates to suit application ie. internal, external and illuminated requirements as noted on the sign type drawings.
- Overlamine front applied prints with protective satin clear cover to match gloss level of painted surfaces
- Ensure all surfaces are cleaned and prepared prior to application of digital print.
- Finished print to be free of any air bubbles, creases or distortions.
- Cast external grade vinyl to be used for external applications.

2.11 Fixings

Materials subject to anodic reactions must be fixed with suitable hardware to eliminate anodic reactions between dissimilar metals. Fixings must suit design requirements ie. galvanised, zinc coated bolts to fix to galvanised structures.

- Tek-screw type fixings are not permitted where visible.

- Stainless steel fixings to be grade 316 with anti-theft heads as shown on drawings.

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3.0 CONSTRUCTION

Generally - Form graphics items accurately to the specified shapes and surfaces with clean, well defined edges or arrises, free from blemishes. The Sign Maker shall be responsible for the quality of all materials and workmanship required to manufacture the signs including the materials and workmanship of any firms or individuals who act on behalf of the Sign Maker and/or suppliers.

3.1 Construction Standards

Construction is to be of the highest of industry standards. Where connection or suspensions are made, plates, bolts, angles and screws are to be concealed as much as possible from view unless otherwise detailed. Box frames or tube shall be extruded and prefinished. Spaces, drilled holes and fixings shall be consistent from one sign to another. Screws, adhesives and silicones shall be concealed and or made flush with the surface. Fit components with care. Graphic standards are to be carefully adhered to.

3.2 Structural Support

Structural support of signs shall be independent of the existing structure except where specifically fixed to walls, floors or ceilings. For all signs, the Sign Maker is to be responsible for strength and suitability of the structural support and connection of all signs. Where visible plinths are shown on the sign drawings, match details as shown. Internal structure may be amended to suit relevant structural requirements.

3.3 Cut out Shapes

Cut out shapes must be accurately pantographed or laser cut from solid material and hand finished as necessary. Fixing pins to be drilled & tapped into back of each shape, minimum 2 per shape/letter.

3.4 Fabrication

All joints are to be filled. Sides of letters are to be sanded smooth and painted. For metals weld lines where visible are to be ground back and polished. Where there are intracut letters or graphics provide a white opal diffuser panel behind letters or graphics.

3.5 Welding

All welding and welding equipment shall satisfy the requirement of the appropriate standards for the specified material and conform to SAA code. All visible welds to be neat, ground back and polished.

3.6 Warranty

The signs shall not show deterioration, fading, crazing, peeling or bond failure for a period not less than (5) years from the date of completion.

4.0 GRAPHICS

Sign messages are to be created from electronic artwork to faithfully reproduce the shapes and typefaces specified. The graphic layouts shall follow the guidelines outlined in the Sign Type Drawings.

If requested, Dot Dash will provide only the graphics shown on the Sign Type Drawings as Adobe Illustrator .ai, .pdf or .eps file format. These will be provided on USB for pick up by the sign maker or sent via e-mail, Hightail or other internet portal.

It is the responsibility of the sign maker to ensure that all electronic files are

accurately converted and match the SignType Drawings provided in form, size & colour. PDF files provided are to be used as reference.

If the Sign Maker finds any text messages or graphics that are not catered for in the Sign Type Drawings, the Sign Maker shall prepare a layout of the message at a minimum 1:10 scale and submit the layout for approval prior to production.

4.1 Graphic Standards

The following rules of graphic quality apply:

1. All lettering shall be true to its letter form in face weight and construction.
2. All graphics are to be electronically, photographically or mechanically reproduced.
3. All colours are as specified in Pantone colour reference system or other specified colour.

4.2 Typeface

The font Rum Sans shown on the sign type drawings are to be used for all messages, text and numerals except where specifically stated otherwise. No other versions of typefaces will be accepted. It is the responsibility of the sign maker to purchase the font(s) as specified.

4.3 Pictograms and Arrows

Only the symbols as shown on the sign type drawings are to be used. No other versions will be accepted.

4.4 Colours

Colours for all parts and faces are as noted on the drawings. All colours to be approved via the sampling process as noted in section 6.

5.0 SAMPLES & PROTOTYPES

GENERAL

Samples must be submitted to the Client Representative for approval prior to the production of any signs. The Sign Maker shall submit samples of the following:

- Minimum 100mm x 100mm section of each nominated vinyl
- Minimum 300mm x 300mm panel of each spray painted colour and finish
- Multiple samples of digital prints showing various sections of the graphics including areas of full single colour, multiple colour areas, text, pictograms and gradients.

Samples to be thoroughly checked by the Sign Maker for completeness and compliance with the contract documents prior to submitting them to the Client Representative.

All samples must be labelled.

Submit at least 2 samples of each product, unique graphic type, colour and finish.

Samples are to be finished versions of the nominated signs and will be used as control samples for the project.

DIGITAL PRINT SAMPLES

All samples to be printed from supplied artwork at 1:1 scale.

Samples must be printed on the material as specified using the specified technique and opacities.

Where the full scope of colours, graphics and or design intent do not fit on a

300mm x 300mm sample, larger or multiple samples must be provided.

Colours should be printed in accordance with specification allowing for sufficient print layers to achieve desired level of contrast to match design intent.

The Sign Maker should check colours for conformance and calibrate settings, adjust prints as required prior to submission.

If the Sign Maker is unable to match the colour specification sample swatches should be printed for selection by the Client Representative.

If a sample is of a product or material of which a documented colour/finish comes in a range of colour/finish (typical but not exclusive to natural materials) provide samples showing both extremities of the range.

Rejection of samples or requests for re-submission will not constitute a claim for an extension of time.

Corrections required by the Client Representative shall be made and the sample resubmitted until permission is given for their use.

Samples must be approved prior to production. Work commenced prior to approved samples may be subject to rectification and re-working at the Sign Maker's cost.

PROTOTYPES

When the samples are approved, prototypes of the following sign types shall be submitted for approval of construction, typeface, colour, finish and fixing details.

Sign Type DR1b

Prototype signs are to be finished versions of the nominated signs and will be used as control samples for the project. Once approved these prototype signs may be installed in the project.

6.0 INSTALLATION STANDARDS

SITE CONDITIONS

Site inspections are to be carried out prior to installation to verify locations, confirm all architectural details, mounting conditions and dimensions (refer to Section 1.0 Scope of Work).

GENERAL

All installations to be plumb and level, at the heights indicated, securely mounted with theft-resistant fixings. Locate all signs in the correct position and orientation as indicated on Sign Location Plans.

Work shall be complete with all bolts, rivets and other fittings to adequately transmit the loads and stresses imposed. Where bolting of metal work to concrete is specified, fixings to be of approved masonry anchors of the required size. Proper edge clearances should be observed so there is no risk of possible damage to concrete or structural framing. Packing of fixings is permitted to approved tolerances to level and square installations.

6.1 Inspections

Sign Maker's engineer to site inspect and certify all footings prior to pouring of concrete.

**PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL**

Approval no: DEV2022/1279

Date: 05/12/2022



7.0 MAINTENANCE MANUAL

The Sign Maker is to provide a comprehensive maintenance manual. 2 copies of this manual are to be provided hardbound and an electronic version (PDF format) to be provided (one copy must be sent to Dot Dash for records).

This manual is to contain all information for every aspect of the project and shall include, but not limited to:

- All working and as-built drawings for all aspects of the works, ie footing details, artwork, individual sign design, bolt cage assemblies, glazing and other details, thus enabling any component to be easily remanufactured if and when required;
- Site plan detailing each sign location, type and artwork details;
- Sign Makers and suppliers contact list detailing all works performed and materials supplied, for example installation and footing contractor, metal, glass, braille, paint, adhesive, sealant, vinyl, glazing and fixing suppliers;
- All associated certification documents;
- Sign Installation and removal details;
- Artwork and replacement instructions;
- All digital photos of the project;
- Replacement procedures for each individual section or replaceable panel of the signage system;
- Cleaning and maintenance instructions;
- Graffiti removal instructions

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