

LANDSCAPE DRAWING LIST

- 05/14-18-01 Scope and Notes
- 05/14-18-02 Existing Site and Demolition
- 05/14-18-03 Site Works Plan
- 05/14-18-04 Details
- 05/14-18-05 Entry Wall and Monument
- 05/14-18-06 Specifications and Notes
- 05/14-18-07 Specifications and Notes

SITE INFORMATION

Corner Daley Street and Wardell Road, Alstonville

GENERAL NOTES

This plan does not show all underground or overhead services. Locate services prior to excavations.

SCOPE OF DRAWINGS

These drawings describe landscape works for Elizabeth Ann Brown Park, Alstonville. Structural engineering design and drainage works are not included on these drawings.

The scope of work shown on these drawings includes:

- Removal of excess soil, debris and rubbish from areas to be planted
- Minor soil profiling to achieve required grades and falls
- Protection of existing grass trees and other trees to be retained
- Protection of existing and new services
- Garden areas including cultivation, supply and installation of soil and spreading to achieve correct grades, mulching but excluding planting
- Garden edges
- Rock walling and signage
- Pathways
- Furniture
- Alterations to the existing monument and installation of a new monument (reused from the former Ballina RSL Park).

GENERAL ITEMS

SURVEY: Do not disturb any permanent or other survey marks found on, or near the site, as part of the work. Any survey marks that are destroyed during the work are required to be reinstated by a Registered Surveyor at the contractor's expense and as required by the Project Manager and NSW Laws and Regulations.

EXISTING SERVICES: These plans do not show all underground, surface or overhead services. The true location of underground services should be determined on site prior to excavations. Rectification of any service that is required as a result of damage caused by the contractor or their sub-contractors is the responsibility of the contractor.

PLAN COMPLIANCE: Work not constructed in accordance with the plans or by an approved variation may be rejected. If works are rejected the contractor will be required to rectify the defective or non-complying work.

A	Construction Issue	09.07.2018
-	Council issue	28.06.2018
-	Preliminary	08.06.2018
No.	Description	Date

Amendments Schedule

Council
Ballina Shire Council

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Project Title
**Elizabeth Ann Brown Park
Alstonville**

Drawing Title
**Memorial Upgrading Works
Scope and Notes**

Drawn: SDR Checked: SDR Sheets in Set: 7
Drawing Scale

Drawing Number **05/14-18-01** Revision **A**

A	Construction Issue	09.07.2018
-	Council issue	28.06.2018
-	Preliminary	08.06.2018
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SITE INFORMATION
 Lots 1, 2, 3 and 4 D.P. 6383, Elizabeth Ann Brown Park (public reserve), corner of Daley Street and Wardell Road, Alstonville

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Detail survey supplied by Ballina Shire Council 09 March 2018.



Remove existing plaques from stone walls. Demolish 4 stone walls and concrete pathway and make good ground.

Sign and pole to be removed

Retain and protect existing grass trees

Remove existing plaques from garden edging and store offsite for reinstatement on the new monument.
 Remove garden edging.
 Remove existing garden plants and mulch (except grass trees).
 Regrade garden areas to achieve a smooth consistent profile.

Remove the 'Stone of Remembrance' and store in a safe location for reinstatement within the park.

Remove existing plaques from garden edging and store off site for reinstatement on the new monument.
 Remove garden edging.
 Remove existing garden shrubs, groundcovers and mulch. Regrade garden areas to achieve a smooth consistent profile blended into adjacent ground.

Remove existing seat

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Project Title
Elizabeth Ann Brown Park
 Alstonville

Drawing Title
Memorial Upgrading Works
Existing Site and Demolition

Drawn: SDR Checked: SDR Sheets in Set: 7

Drawing Scale
 1:250 at A3

Drawing Number
05/14-18-02 A



0 2.5 5 7.5 10 metres 1:250 at A3

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-	Council issue	28.06.2018
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







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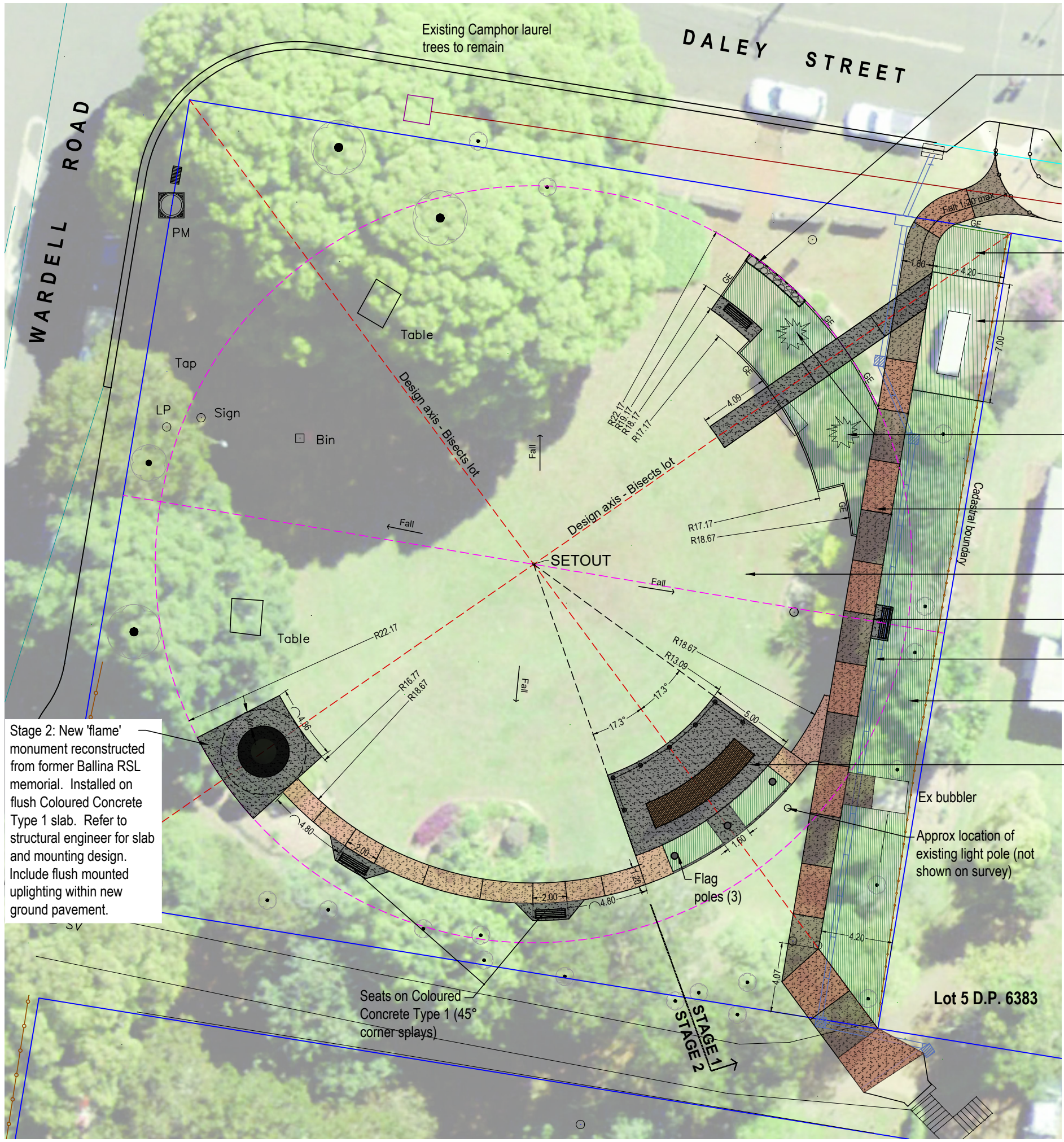
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LEGEND

-  Garden area
-  Grass area to be topdressed
-  Garden edge
-  Coloured concrete type 1
-  Coloured concrete type 2
-  Coloured concrete type 3
-  Basalt stone wall
-  Seat



Basalt stone wall (nom. 600mm high and level to top) to match stonework in Freeborn Park. Refer to elevation for signage)

Plant northern side of substation (outside easement). Plant species as required by Council.

Existing electrical substation and easement for access. Undertake garden bed preparation and install mulch and low groundcovers that will not inhibit access to the northern doors.

Garden area. Take care to protect existing Grass Trees. New plant species as required by Council.

1.8m wide light broomed finish coloured concrete pathway with sandblasted patterns. Refer to detail.

Topdress grass areas to achieve a central crown and smooth even surface finish.

Seat on Coloured Concrete Type 1

New drainage (shown as indicative only). Refer to drawings by Ballina Shire Council

Garden area. New plant species as required by Council.

Existing monument to be upgraded (Refer to Sheet 5). Include flush mounted uplighting within new ground pavement)

Connect to nearby electricity and provide an external double general purpose outlet near monument

Stage 2: New 'flame' monument reconstructed from former Ballina RSL memorial. Installed on flush Coloured Concrete Type 1 slab. Refer to structural engineer for slab and mounting design. Include flush mounted uplighting within new ground pavement.

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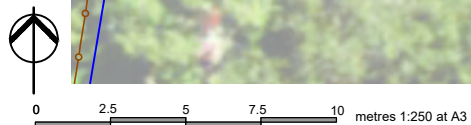
Project Title
Elizabeth Ann Brown Park
 Alstonville

Drawing Title
Memorial Upgrading Works
 Site Works

Drawn: SDR Checked: SDR Sheets in Set: 7

Drawing Scale
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Drawing Number
05/14-18-03 A



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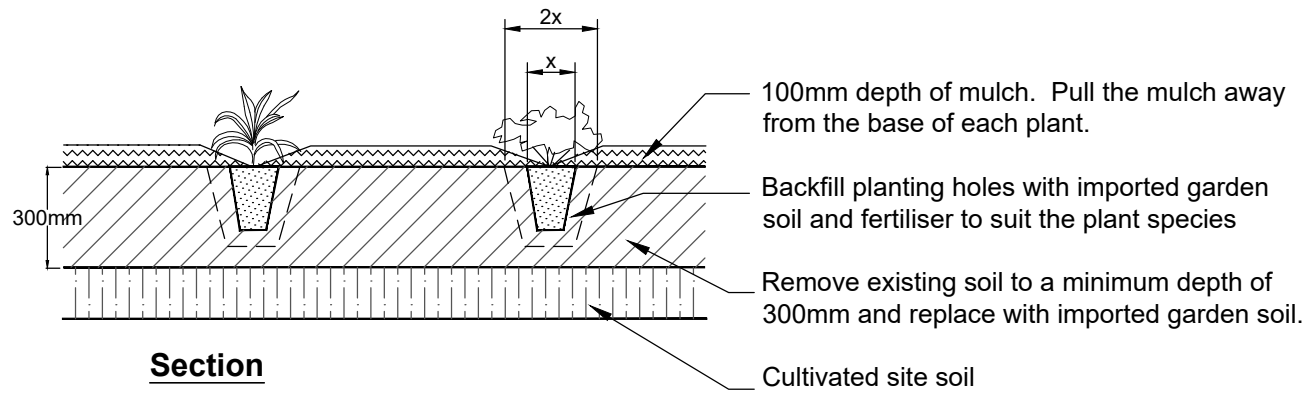
Amendments Schedule

SITE INFORMATION
 Lots 1, 2, 3 and 4 D.P. 6383, Elizabeth Ann Brown Park (public reserve), corner of Daley Street and Wardell Road, Alstonville

GENERAL NOTES

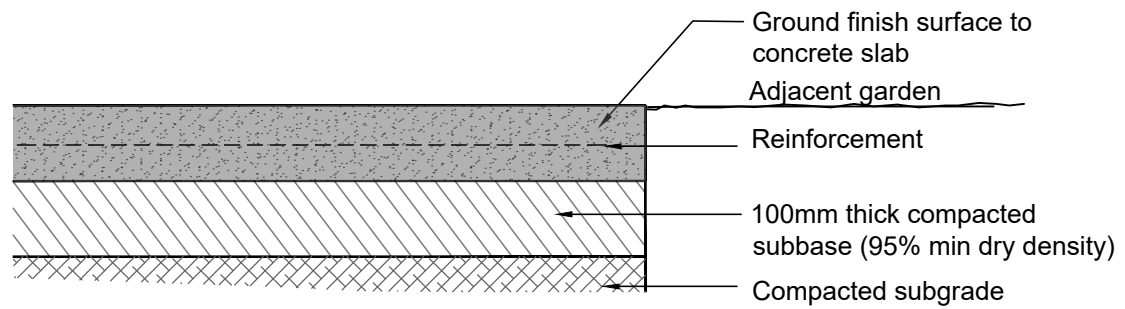
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01 PLANTING AREA (SLOPE<1:4)

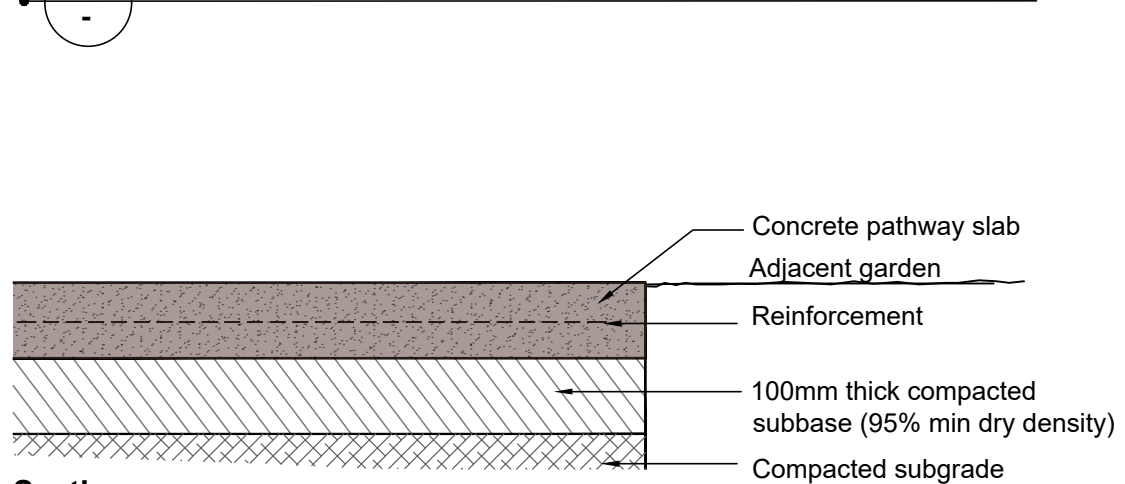
Ensure that the top of the mulch in garden areas is flush with adjacent surfaces and edges



Section

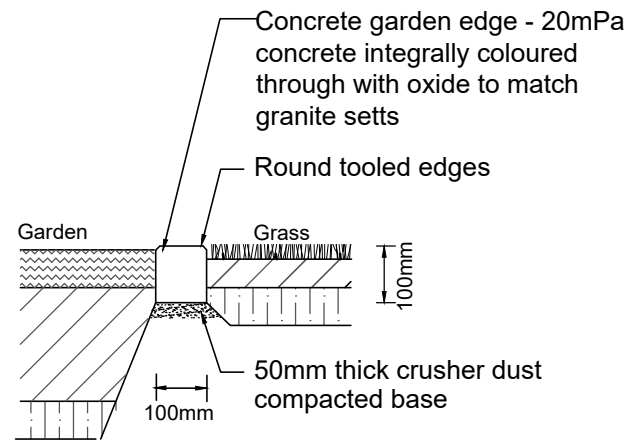
NOTE: This detail applies to pedestrian pathway slabs only. Refer to structural engineering design for type 1 finish concrete around the new monument.

03 CONCRETE PATHWAY TYPE 1 TREATMENT (PEDESTRIAN PAVEMENT ONLY)



Section

Typically concrete to Ballina Shire Council's specification 25mPa, min 100mm thick with SL62 mesh (50mm coverage). Refer to Structural Engineer for jointing. Joints should coincide with changes in the concrete colour. (Note: Council nominates expansion joints at 6m max ctrs and saw cut joints)



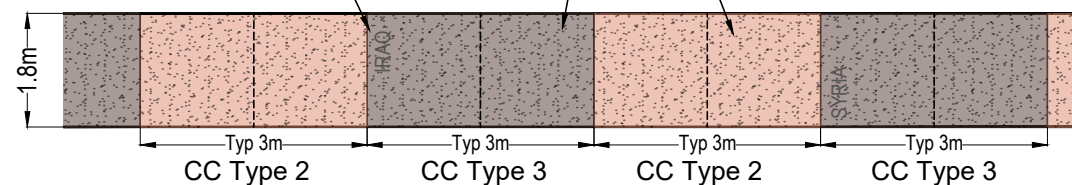
Section

02 GARDEN EDGING

Install tool joints at 1m centres on all concrete garden edging.

Alternating panels of coloured concrete

Liaise with the RSL Sub-Branch to determine war names to be sandblasted into pathway. Placement to be determined once the quantity of names is known.



Plan

04 CONCRETE PATHWAY TYPE 2 AND TYPE 3 TREATMENT (PEDESTRIAN PAVEMENT ONLY)

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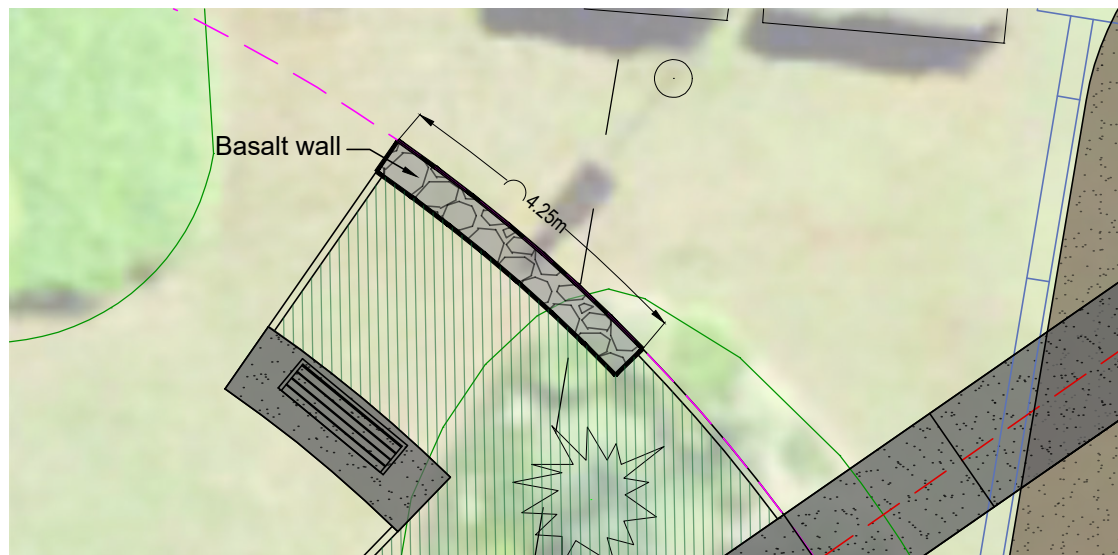
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Project Title
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 Alstonville

Drawing Title
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 Details

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 Drawing Scale

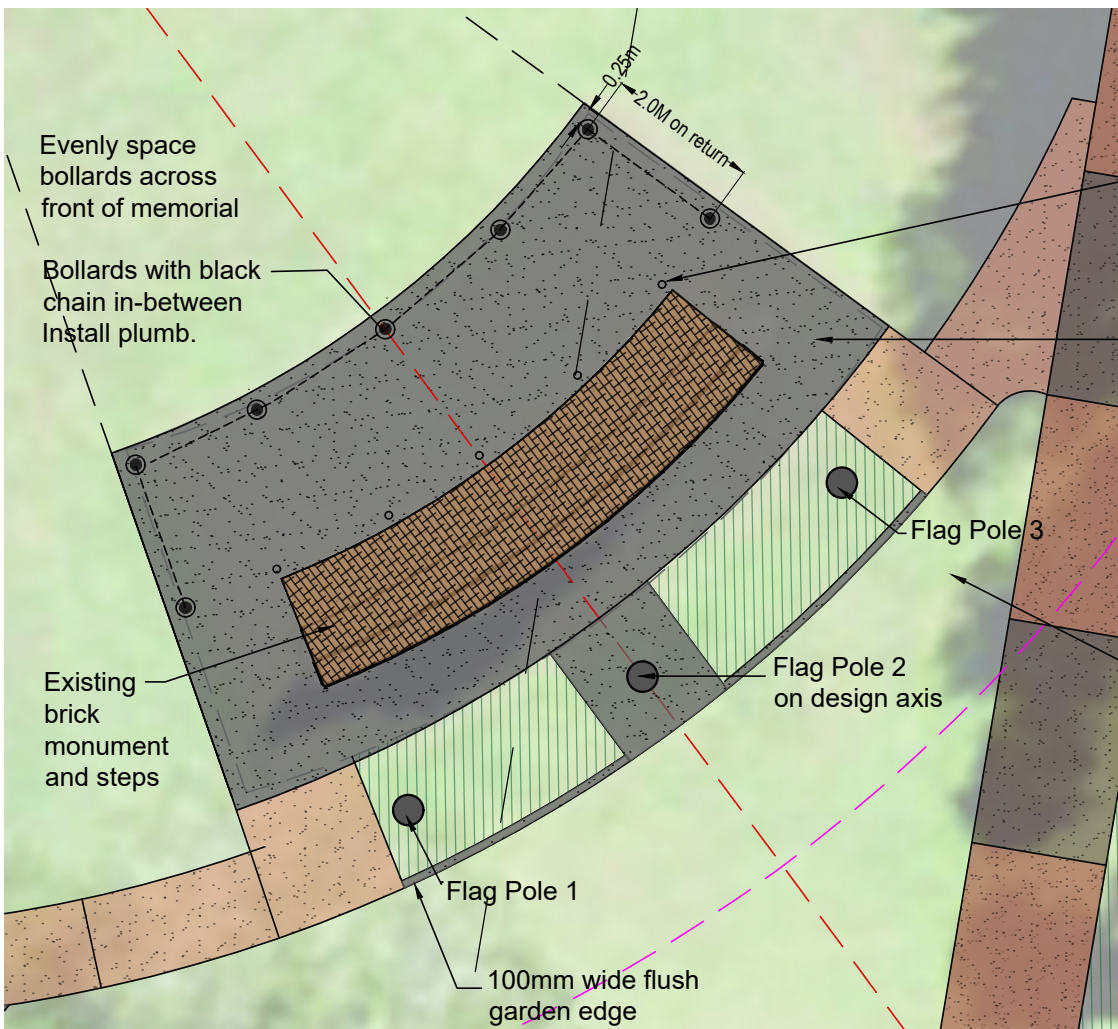
Drawing Number
05/14-18-04 Revision
A



Plan

05 ENTRY WALL AND SIGNAGE

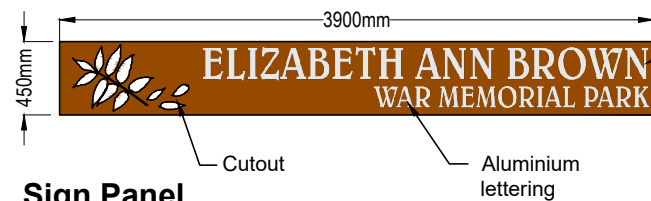
Scale 1:100 at A3



Plan

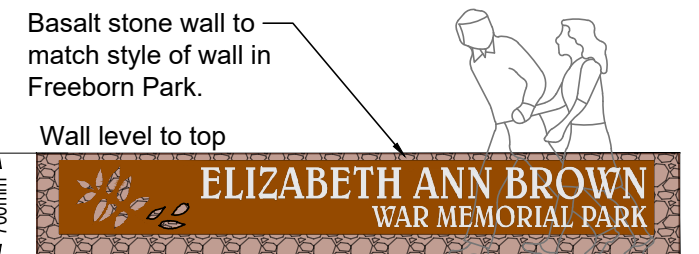
06 EXISTING MONUMENT AREA TREATMENT

Scale 1:100 at A3



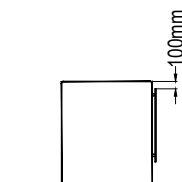
Sign Panel

4mm (nom thickness) plate Corten panel with Corten pins welded to back. Pin into stonework proud of wall. Attach 3mm thick finished aluminium lettering to face of corten. Lettering font shown is 'Belwe LT BT' Laser cut leaf pattern from corten panel.



Front Elevation

IMPORTANT NOTE: Confirm park name prior to ordering signage lettering. A change to the park name may require reconsideration of signage lettering, positioning or size.



Pin sign panel 10mm proud of wall and curve parallel to face.

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GENERAL NOTES

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Detail survey supplied by Ballina Shire Council 09 March 2018.



Front of Monument - Illustrative Only



Back of Monument - Illustrative Only

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Project Title
**Elizabeth Ann Brown Park
Alstonville**

Drawing Title
**Memorial Upgrading Works
Entry Wall and Monument**

Drawn: SDR Checked: SDR Sheets in Set: 7
Drawing Scale

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05/14-18-05 Revision
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FURNITURE

URBAN SEAT

PRODUCT: US1 Urban Seat (US1.18.MR.U.PL) by Botton & Gardiner (or equivalent)

- Dimensions: 1800 x 470 x 770mm high
- Slats: elliptical shaped Australian mixed red hardwood
- Finish: ultraviolet resistant pigment oil
- Frame: cast aluminium x 2
- Frame finish: polished
- Armrests: set of 2 (USAR.PL)
- Mounting: concealed mounting (threaded rod) in accordance with detail 1 by Botton & Gardiner - see www.bottongardiner.com.au

BOLLARD

PRODUCT: Leda 'Parisian' (AP100R) 80 NB Aluminium bollard (or equivalent). 1 x locking and removable (centrally located) and 6 x fixed surface mounted. All fitted with weld on chain eyes.

MATERIALS AND FINISH: Black powdercoated post and top (including chain eyes).

FLAG POLE

POST PRODUCT: Goldspar Australian Flag Pole (or equivalent) with cast aluminium mushroom finial. Flag pole height to be confirmed with RSL sub-branch.

FINISH: Powdercoated Black Satin.

MOUNTING: Surface mounted galvanised base plate spigot B. Footing to be designed by a structural engineer. Install post plumb.

PEDESTRIAN PAVEMENT SURFACE FINISHES

COLOURED CONCRETE TYPE 1

OXIDE ADDITIVE: Full depth coloured concrete (UV stabilized)

Colourmix oxide colour "Black Velvet (2)"

AGGREGATE ADDITIVE: Add 15% white quartz faceted stone to the mix.

FINISH: Ground concrete. Grind the concrete surface to evenly expose the aggregate. Refer to notes.

COLOURED CONCRETE TYPE 2

OXIDE ADDITIVE: Full depth coloured concrete (UV stabilized)

Colourmix oxide colour "Peppercorn"

FINISH: Light broom finish perpendicular to pathway

COLOURED CONCRETE TYPE 3

OXIDE ADDITIVE: Full depth coloured concrete (UV stabilized)

Colourmix oxide colour "Bronze"

FINISH: Light broom finish perpendicular to pathway

GENERAL REQUIREMENTS FOR ALL PEDESTRIAN PAVEMENTS

CONCRETE TYPE AND STRUCTURE: All concrete work shall be in accordance with Council's Standard Specification C271 "Minor Concrete Works" and the requirements herein. Refer to Structural Engineering details for concrete strength, reinforcement, jointing and other structural details.

PAVEMENT GRADES: All external pedestrian pavements and walkways shall have a maximum crossfall of 1:40 and maximum longitudinal grade of 1:33 (other than designated ramps).

SLIP RESISTANCE: Slip Resistance of new concrete paving shall have a classification of 'V' (very low) and shall comply with AS 4663:2004 (Slip resistance measurement for existing pedestrian pavements). When tested in accordance with wet pendulum test results with TRL rubber the pendulum mean PBN shall be >44 (or Four S rubber >54). Testing for slip resistance compliance should be undertaken after sealing and prior to occupation.

PAVEMENT AND EDGE PROFILES/FINISHING: All pedestrian pavements and concrete edges (other than those shown to be raised) shall have a smooth consistent profile which is flush with adjoining pavements and edges and is free from trip hazards. The difference in level between adjacent pavements on a continuous walkway or ramp shall be flush (=) max <2mm. The level adjacent to drainage structures and service pit lids shall be flush (=) max <2mm. Surface level of pedestrian pavements at the same grade shall not deviate from a 2m straight edge, laid in any direction by more than 2mm.

CLEANING: Cleaning of all pavement surfaces to remove dirt, grease, oils, chemicals and other surface foreign matter should be undertaken prior to sealing.

SEALANTS: Apply a non-slip, acrylic or silicone, clear penetrating sealant which is water and UV resistant, to all pedestrian pavement. Prepare the surface and apply in accordance with the sealant manufacturer's recommendations.

CONDUITS FOR SERVICES: Liaise with Council staff to identify locations for future services and provide suitably sized conduits under pavements if required.

COLOURED CONCRETE PAVEMENTS

TEST PANELS: At least one test panel of each coloured concrete type shall be poured for the purpose of broom finishing and grinding to demonstrate the colour and intended finish for the ground level pavement.

Each test panel shall be constructed to reflect all facets of the element's design and construction, including the intended method of formwork construction, subbase preparation, reinforcement detailing, concrete placement, and finishing techniques.

Each test panel shall be subjected to the minimum curing requirements specified or appropriate for the intended application. Test panel sizes shall be a minimum of 1500 mm x 1500 mm.

The following tests shall be carried out on the test panel:

- broom finishing or grinding (as applicable) the panel surface to demonstrate the intended finish
- slip resistance tests appropriate for the application in accordance with the above general requirements.

The nomination and acceptance of the approved test panel shall be the responsibility of the project manager.

If test panels do not meet expectations, adjustments shall be made to the finishing techniques and a new series of test panels shall be constructed.

BROOM FINISHING: Immediately after float-finishing the concrete, apply a soft-bristled broom perpendicular to the direction of travel to provide a uniform and fine texture.

GRINDING: Honing shall not commence until curing has been completed and the concrete has attained adequate strength for honing to proceed.

The initial honing shall utilise a 60-80 grit abrasive for grinding and leveling the surface. The surface shall then be honed with progressively finer abrasives to remove scratch marks from the previous passes and to achieve the required slip resistance when wet. Liaise with the project manager to determine the required finished texture.

Upon completely drying, the surface shall be sealed with a clear penetrating sealant.

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Drawing Title

Memorial Upgrading Works
Specifications and Notes

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Drawing Scale

Drawing Number Revision

05/14-18-06 **A**

WORKS NEAR OR RELATING TO EXISTING TREES

PROTECTION OF EXISTING TREES: All trees, unless otherwise shown, shall be retained and protected during the work. A tree protection zone (TPZ), which is an area isolated from construction disturbance, should be applied to all trees which are to be retained. TPZ's should be established in accordance with Australian Standard AS 4970-2009 Protection of Trees on Development Sites. The minimum TPZ under this standard is determined as TPZ = DBH x 12 where DBH is the trunk diameter measured at 1.4m above ground level. If works are required within the TPZ seek advice from a qualified Arborist.

WORKS WITHIN TREE DRIPLINES: No materials or temporary structures (of any kind) are to be stored or temporarily placed within the tree protection zone (TPZ). No motor vehicles or motorised construction equipment shall be parked within the dripline of any tree. Where excavation is within a trees dripline seek advice from an Arborist.

No soil or fill material that changes the surface level by more than 50 mm shall be placed within the dripline of trees unless shown on the drawings. If it is necessary to fill (up to 50 mm) use a fill material that is finer than the soil being covered. No excess water flow shall be directed into the dripline of trees.

CUTTING ROOTS AND BRANCHES: Do not cut tree roots within the TPZ without seeking advice from a qualified Arborist. If it is necessary to cut tree roots, cut the root cleanly at a 90 degree angle to the remaining root stem or use other approved arboricultural techniques. Cut only those roots which are absolutely necessary to install the works. Do not paint the wound. If it is necessary to cut tree branches, cut them at the closest remaining growth point or as otherwise approved by the Arborist.

SERVICES DURING CONSTRUCTION: No service is to use any tree or parts of trees as an attachment point to convey, support or deliver that service. Such services are to be located independent of, and in a manner not detrimental to any trees on the site.

SOIL

SOIL IN GARDEN AREAS: All garden areas, shall use cultivated site soil to a minimum depth of 500mm or as otherwise detailed. All excavations for planting shall be backfilled with imported garden soil.

Imported garden soil must be a 'premium quality' landscape /garden mix and:

- be of a friable and porous nature,
- contain no refuse or material toxic to plant growth,
- be free of extraneous matter (stones, lumps, root matter or sticks) larger than 20mm in size,
- have an organic matter content of at least 25% by mass,
- have a pH between 5-7,
- have an EC of 0.4-1.0
- be suitable for phosphorus sensitive plants.

The soil shall consist of the following approximate components, 50-60% red soil and sandy loam, 10-15% coarse sand and 25-30% compost (including at least 5% mushroom compost). A certificate from the supplier certifying the soils properties may be requested.

SOIL FOR TOPDRESSING GRASS AREAS: Soil for topdressing must be an organic topdressing soil or similar lawn topdressing soil consisting of 10-15% double washed sand, 50-60% soil, 30% composted organics and a complete fertiliser. PH shall be between 6 and 7.

MULCH

MULCH TYPE: 'Coarse Tea-tree' mulch or as required by Council. The mulch shall be formed from 100 percent recycled wood waste, have a pH between 5.5 and 7.0. Ensure the mulch does not contain more than 5 percent fines. Ensure that the mulch is free of seed and deleterious matter.

GENERAL MULCHING REQUIREMENTS: Mulch the entire garden area to the depths shown in the details (after settlement). Pull the mulch away from the trunk/base of all plants. Ensure mulch finishes at least 75mm below the weepholes and any termite barrier protection of buildings or walls. Grade all garden areas away from buildings and towards drainage pits and lines, unless otherwise shown by others.

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