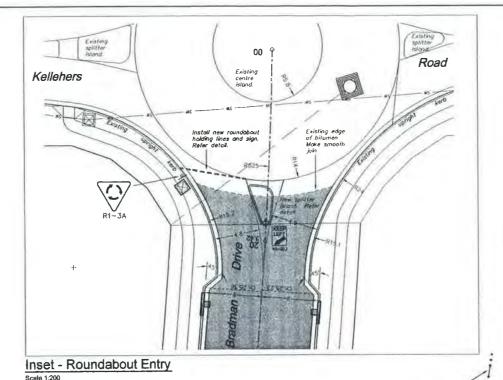


Inset - West Scale 1:500

Issue Date

Provide 125mm sq. recycled black plastic posts either side of access rood, and removable rols (to TSC std dwg 50.704), with island mounted centre posts as shown Posts for removable rall at 3.5m



P 8

Rollards
Provide 125mm sq. recycled black
plostic posts (installed in
accordance with TSC std dwg SD.704) across reserve boundary of

both ends. Provide removable rail ocross fire trail / cycleway

> Roadside vegetated swales to provide infiltration. Excess runoff will flow to

culverts under access road

Bollards
Provide 125mm sq. recycled block plostic
posts (to TSC std dwg 50 704) either
side of pathway, and bicycle deflector
bars (to TSC std dwg 50 706) Concrete Footpath
Construct a reinforced concrete
footpath, grade N20, 1.2m wide, 100
this, SL.72 fabric central (UNO). Provide
key joints at max. 3m crs and dowelle
expansion joints at max. 18m crs. Kellehers Road 00 T Lockoble removable roll refer TSC std dmg SD.704 Widen cycleway by 3.5m 309 310 **Filling Works** Adjoins drawing C2 Inset - North

> Note - Allotment Filling Specification - Level 1 1. Topsoil shall be stripped from the affected area to a minimum depth of 100mm, and stockpiled in an approved location for later respreading 2 Before filling is commenced, the contractor shall remove all silt, debris and vegetation from drains and gullies. Any unsuitable material shall be removed and disposed of as directed by the Engineer.

Scale 1:500

3. Defore filling is commenced, the stripped surface shall be compacted for a depth of 250mm to a dry density ratio of more than 95% standard where the compaction test is in accordance with AS 1289. Contractor is to provide to the Engineer a contour plan of the compacted subgrade.

4. Soil fill to allotments shall comprise CONTROLLED FILL as defined in AS 2870 (Residential Stabs and Footings), and placed, compacted and tested in accordance with AS 3798 (Earthworks for Commercial and Residential

Developments) Certification by an approved Geotechnical or Structural Engineer shall be on a level 1 basis in accordance with AS 3798 and Councils

5 Filling shall be carried up in horizontal layers not more than 300mm thick (loose measurement), and placed, compacted to satisfy the following

COHESIONLESS SOILS - Density index more than 65% where compaction test in accordance with AS 1289
COHESIVE SOILS:- Dry density natio of more than 95% standard where

compaction test is in accordance with AS1289 6 Imported fill shall be approved by the Geotechnical or Structural Engineer

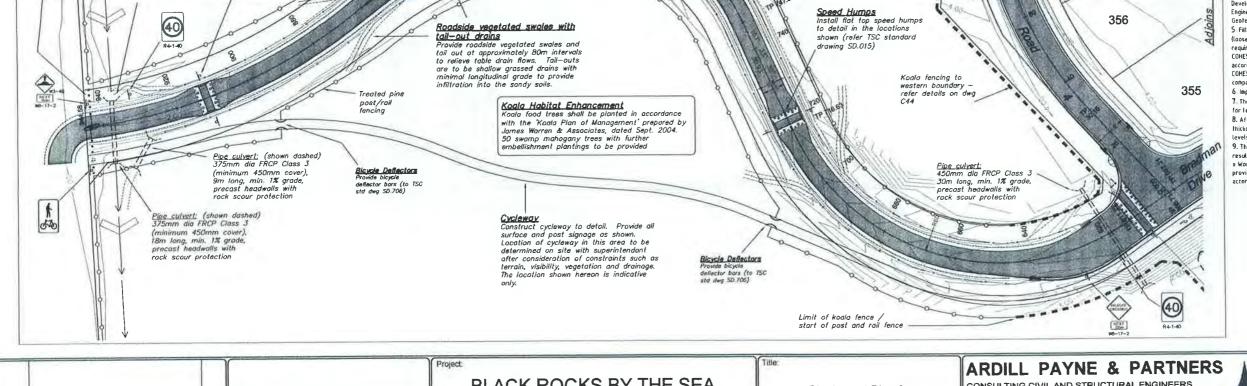
7. The principal shall engage an approved Geotechnical Testing Authority (GTA) for lesting and certification B. After the filling has been approved, the topsoil shall be spread to a minimum

thickness of 100 mm so that the levels of the finished topsoil conform to the levels and contours shown on the drawing

9. The GTA shall provide the Engineer with a copy of the compaction test results and Certification for each filted allotment. The Contractor shall provide a Work-as-Executed plan of the finished surface levels. Certification shall be provided by a Geotechnical or Structural Engineer to a level 1 standard, and in accordance with Council's Geotechnical Policy



construction purposes unless it carries the approval stamp of the local authority



BLACK ROCKS ESTATE PTY LTD TJC TJC B 15-8-08 General revision for Council approval
A 19-5-08 General revision for Council approval

Treated pine post/roil fencing

> BLACK ROCKS BY THE SEA STAGES 13 & 14 POTTSVILLE

Site Layout Plan 3

Do not scale drawing: Use written dimensions only This plan is copyright@All rights reserved

CONSULTING CIVIL AND STRUCTURAL ENGINEERS

PROJECT MANAGERS TOWN PLANNERS AND SURVEYORS BALLINA NSW 2478 A.B.N. 113 861 522 12

357

Design PB	Scale at A1 1:500	
Drawn PB	Datum —	
Date 21-09-07	5017-1314-plans	
Checked Toponard	Approved A.P.	
Job No	Dwg No	lasus
5017-13/14	C3	B

