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	Do not scale drawing. Use written dimensions only			
	Issue Date Amendment App'd			
5 00	ARDILL PAYNE			
	CONSULTING CIVIL AND STRUCTURAL ENGINEERS PROJECT MANAGERS AND TOWN PLANNERS			
5 00 10	79 Tamar Street 79 Tamar Street P.O. Box 20 Telephone: 02 6686 3280 BALLINA NSW 2478 Facsimile: 02 6686 7920 A.B.N. 113 861 522 12 e-mail: info@ardillpayne.com.au			
	Cilent:			
	R. and J. Pidcock			
the plan/document to which Development to: 1999 The relates, as submitted and for issue of the Construction Certificate.	Project Pacific Pines Estate Stage 4d			
L MANAGER per: $\frac{pluil}{30/6/-4}$	Bulk Earthworks off North Creek Road,			
Proposed earthworks areas	Lennox Head			
Existing watercourses	Title:			
Diversion routes Site drainage discharge points	Bulk Earthworks			
SEPP14 (Wetland)	Overall Layout Plan			
50m buffer to SEPP14	Scale at A1 Datum			
Existing trees	1: 2000 AHD Design Date			
Sediment control fencing	TJC MAY 2004 Drawn JJC Dwg Filename			
	Checked Approved Approved			
	Job No. Dwg No. Issue			



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 as specified by the Landscape Architect.

 ${f 2}.$ 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. 3. Before 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 Slabs 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 Geotechnical Policy.

5. Filling shall be carried up in horizontal layers not more than 300mm thick (loose measurement), and placed, compacted to satisfy the following requirements: COHESIONLESS SOILS:- Density index more than 65% where compaction test in accordance with AS 1289.

COHESIVE SOILS:- Dry density ratio of more than 95% standard where compaction test is in accordance with AS1289.

 ${f 6}.$ Imported fill shall be approved by the Geotechnical or Structural Engineer. Fill shall be free from rubble, rocks, organic matter, lumps of clay, and other unsuitable materials. 7. The principal shall engage an approved Geotechnical Testing Authority (GTA) for testing and

certification. f8. After the filling has been approved, the topsoil shall be spread as specified by the Landscape

Architect. The levels of the finished topsoil shall conform to the levels shown on the drawing. 9. The GTA shall provide the Engineer with a copy of the compaction test results and Certification for each filled 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.

10. This plan shall be read in conjunction with the Landscape Architects drawings. Any discrepancy shall be referred to the Engineer for resolution..

11. The contractor shall make sufficient allowance in his excavation and filling levels for the depths of planting, topsoiling, turfing and other surface treatments specificed by the Landscape Architect.

Note:-

Natural surface contours are computer interpolated from surveyors electronic field data.

Notwithstanding the limits of earthworks shown on the drawings, the actual limits shall be confirmed on site by the contractor.

Prior to commencement of construction, the contractor is to ascertain the location and level of existing services to his satisfaction. Services shown on plans are taken from surveyors field notes only and may not necessarily indicate all services within the works area.

Notwithstanding the extent of the works shown on the drawings the contractor shall undertake all necessary construction required to enable finished works to comply with the intent of the drawings and the requirements of the local authorities subdivision code

These drawings are diagrammatic only and are intended to indicate design in accordance with the relevant Australian Standards. They do not relieve the contractor or builder from his responsibility to comply with these requirements, even if drawings are approved by the authority.

<u>SEDIMENT BASIN</u> Settling Zone - 4200m3 Sediment Zone – 900m3 Existing fill will be removed from this area -to about RL-0.5m depth and a bund wall left around the perimeter which will be set at around RL 1m.

Details provided in Part 3A Permit 9/10/03

BALLINA SHIRE COUNCIL This is the plan/document to which Development Consent No: 1999 248 relates, as submitted & approved for issue of the Construction Certificate GENERAL MANAGER per: Mellil 30/6/-4

Pacific Pines Estate

off North Creek Road, Lennox Head

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