



Pipe Embedment Sand 2 0 2 0



*Specification Assessment with:
WSA PS-350*



VALLEY/CIVILAB

Geotechnical, Testing & Engineering Services

Unit 3, 62 Sandringham Ave, Thornton 2322 P (02) 4966 1844 F (02) 4966 1855

ABN: 50 103 355 531 www.valleycivilab.com.au



27/4/2020

VC Ref: P1987 – Pipe Embedment Sand

Attn: Robert Mackenzie

Macka's Sand Pty Ltd
2684 Nelson Bay Rd
Salt Ash
NSW 2318

RE: Pipe Embedment Sand

Dear Robert,

We have sampled and blended 4 parts Macka's WM Sand with 1 Part Macka's Anna Bay Sand and proceeded to test this blend for assessment to *WSA PS-350 Compaction Sand for Pipe Embedment*.

The material conforms to the requirements for Grade B sand in clause 350.2 parts a) through d) and are expected to conform to parts e) and f) given the resultant product is a blend of only dune sands. The results of the testing are attached to this letter for substantiation of our assessment and for your quality records.

Sincerely,

James Wyatt
Quality Manager
Valley Civilab

pH Value Report

Client : Macka's Sand & Soil Supplies Address : 2684 Nelson Bay Rd, Salt Ash, NSW Project Name : Other Sand & Soil Testing Project Number : P1987 Location: Salt Ash , Site 220 - Salt Ash	Report Number: P1987 - 3/1 Report Date : 20/04/2020 Order Number : Test Method : AS1289.4.3.1 <p style="text-align: right;">Page 1 of 1</p>
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Sample Number :	S20-1336			
Test Number :				
Sampling Method :	AS1141.3.1 (8.4.3)			
Date Sampled :	17/03/2020			
Date Tested :	16/04/2020			
Material Type :	Fine Sand			
Material Source :	Various			
Lot Number :				
Sample Location :	Blend of Sands 4 Parts Macka's Washed WM Sand 1 Part Anna Bay Raw Dune Sand			
pH Value :	8.6			
Remarks :	-			

**SYDNEY
ANALYTICAL
LABORATORIES**

Page 1 of 3

Office:
PO BOX 48
ERMINGTON NSW 2115

Laboratory:
1/4 ABBOTT ROAD
SEVEN HILLS NSW 2147
Telephone: (02) 9838 8903
Fax: (02) 9838 8919
A.C.N. 003 614 695
A.B.N. 81 829 182 852
NATA No: 1884

ANALYTICAL REPORT for:

VALLEY CIVILAB

PO BOX 3127
THORNTON 2322

ATTN: JAMES WYATT

JOB NO: SAL27556C
CLIENT ORDER: P1987
DATE RECEIVED: 16/04/20
DATE COMPLETED: 24/04/20
TYPE OF SAMPLES: SOIL
NO OF SAMPLES: 1

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Issued on 24/04/20
Lance Smith
(Chief Chemist)

ANALYTICAL REPORT

JOB NO: SAL27556C
CLIENT ORDER: P1987

SAMPLES	RESIS. ohm.m
1 S20-1336	>100

MDL	1
Method Code	C28
Preparation	P8

RESULTS ON DRY BASIS
DATE OF COLLECTION: 09/04/20
SAMPLE LOCATION: BLEND OF SANDS, 1 PART ANNA BAY RAW : 4 PARTS
MACKA'S WM SALT ASH

ANALYTICAL REPORT

JOB NO: SAL27556C
CLIENT ORDER: P1987

METHODS OF PREPARATION AND ANALYSIS

The tests contained in this report have been carried out on the samples as received by the laboratory.

- P8 Sample dried and crushed to pass 6.7mm sieve
- C28 Electrical Resistivity - AS1289.4.4.1