

Appendix A – Test Pit Logs

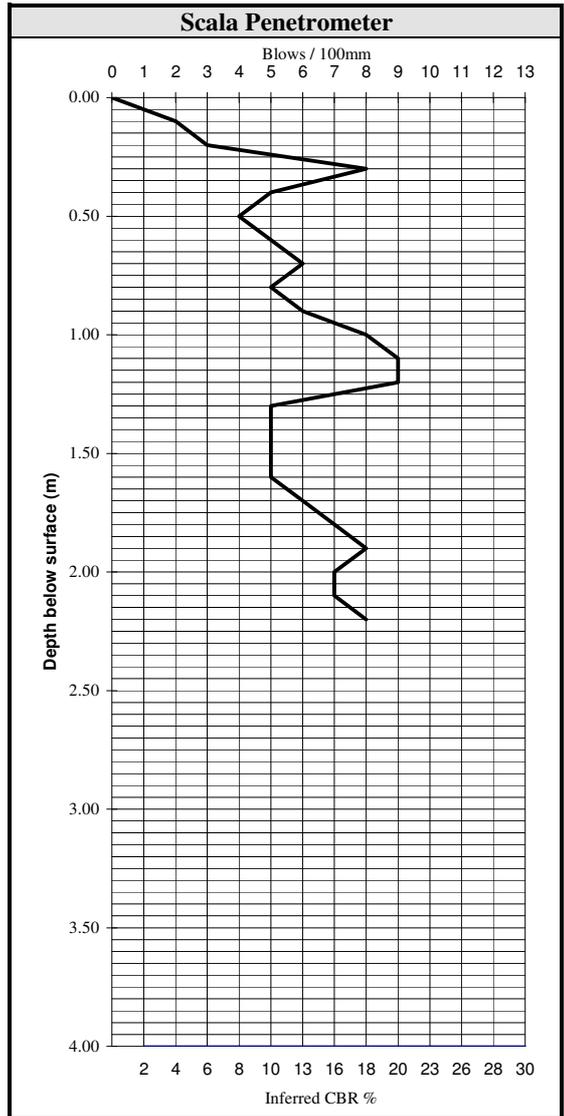
**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 1

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :

Depth (mm)	Geological Description
0-200	Light brown silty Topsoil with some gravel
200-400	Fine to medium GRAVEL; grey. Loosely packed; rounded to sub-rounded schist gravel.
400-500	Coarse GRAVEL; grey. Loosely packed; rounded to sub-rounded schist gravel.
500-1000	Medium GRAVEL; grey. Loosely packed; rounded to sub-rounded schist gravel.
1000-3000	Medium to coarse GRAVEL; grey. Loosely packed; rounded to sub-rounded, with schist slabs up to 300mm in size
3000	end of test pit - hole collapsed No groundwater observed, hole damp
Sample recovered at :	
Depth at which scala penetrometer started : 0 metres	



Test Methods	Notes
Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2 Inferred CBR values taken from Austroads pavement design manual 1992 Sampling Method: NZS 4407 :1991,Part 2.4.2	IANZ Accreditation does not apply to inferred CBR values or depths greater than 1.5 metres

Date tested : 12/10/06
 Date reported : 14/11/06

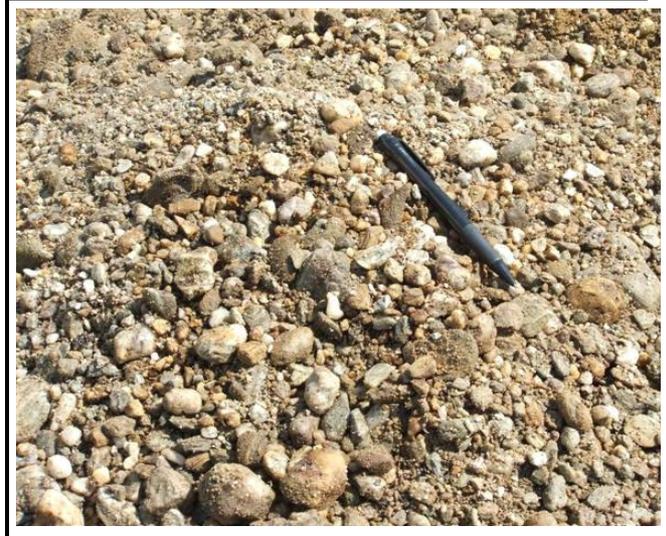
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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 1

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 2

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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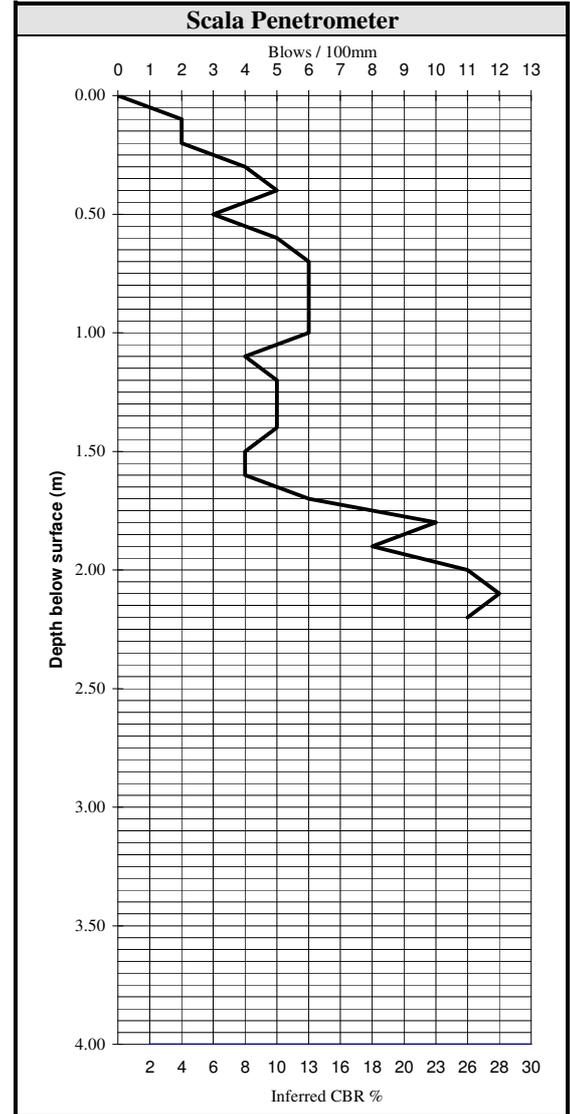
**INVESTIGATION PIT LOG
TEST REPORT**

Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 3



Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :

Depth (mm)	Geological Description
0-100	Sandy fine TOPSOIL brown.
100-2000	Fine to coarse GRAVEL. Loosely packed; well graded; bedded; rounded to sub-rounded schist gravel. End of test pit - hole collapsing No groundwater observed, hole damp
Sample recovered at :	
Depth at which scala penetrometer started : 0 metres	



Test Methods	Notes
Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2 Inferred CBR values taken from Austroads pavement design manual 1992 Sampling Method: NZS 4407 :1991,Part 2.4.2	IANZ Accreditation does not apply to inferred CBR values or depths greater than 1.5 metres

Date tested : 12/10/06
Date reported : 14/11/06

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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 3

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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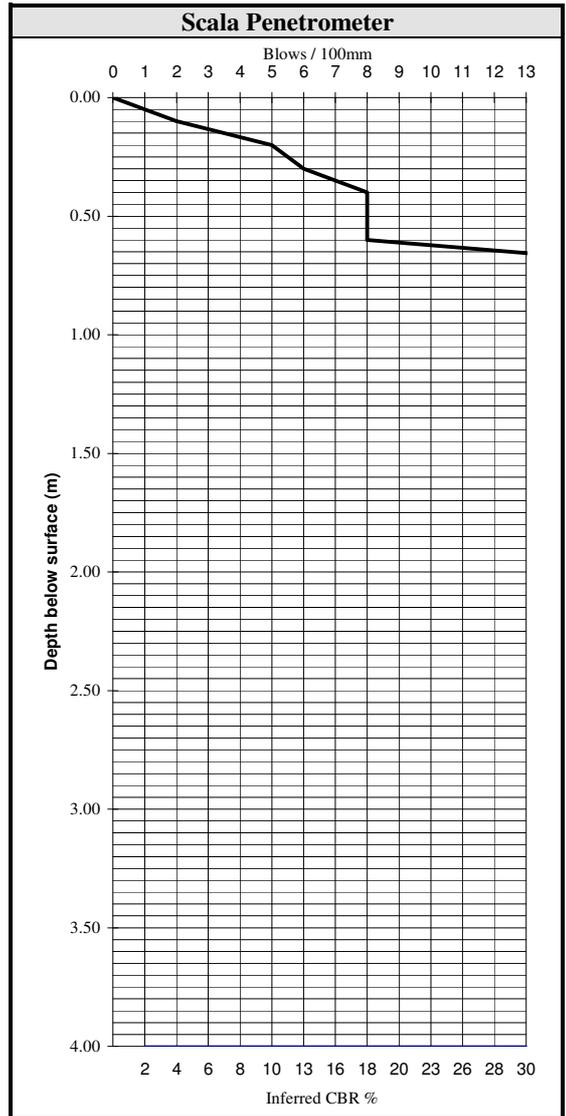
**INVESTIGATION PIT LOG
TEST REPORT**

Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 4



Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :

Depth (mm)	Geological Description
0-500	Sandy topsoil, brown. With some gravel.
500-1000	Sandy coarse GRAVEL; dark brown. Loosely packed, rounded.
100-1300	Very fine SAND; grey. Densely packed.
1300-1600	Medium to coarse SAND; grey. Densely packed; with coarse gravel; rounded.
1600-2900	Sandy GRAVEL of various sizes. Most 100-150mm. end of test pit No groundwater observed, hole damp
Sample recovered at :	
Depth at which scala penetrometer started : 0 metres	



Test Methods	Notes
Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2 Inferred CBR values taken from Austroads pavement design manual 1992 Sampling Method: NZS 4407 :1991,Part 2.4.2	IANZ Accreditation does not apply to inferred CBR values or depths greater than 1.5 metres

Date tested : 12/10/06
Date reported : 14/11/06

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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 4

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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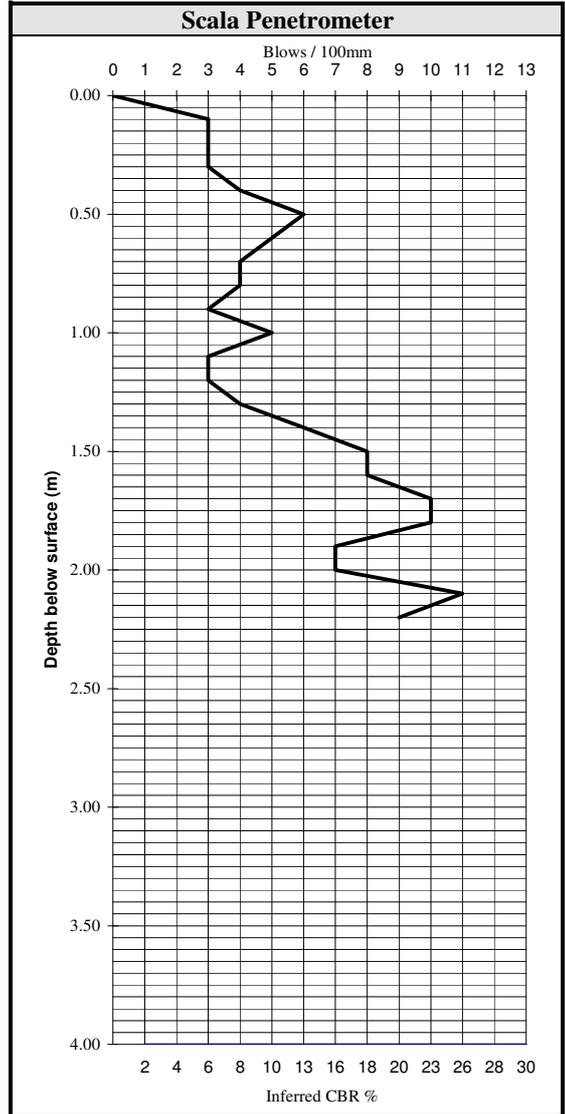
**INVESTIGATION PIT LOG
TEST REPORT**

Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 5



Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :

Depth (mm)	Geological Description
0-200	Sandy topsoil; brown. With some gravel.
200-2700	Medium to coarse GRAVEL, grey. Loosely packed; clean; uniform; well-sorted; bedding. Some larger schist boulders up to 200mm. End of test pit - hole collapsing No groundwater observed, hole damp
Sample recovered at :	
Depth at which scala penetrometer started : 0 metres	



Test Methods	Notes
Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2 Inferred CBR values taken from Austroads pavement design manual 1992 Sampling Method: NZS 4407 :1991,Part 2.4.2	IANZ Accreditation does not apply to inferred CBR values or depths greater than 1.5 metres

Date tested : 12/10/06
Date reported : 14/11/06

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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 5

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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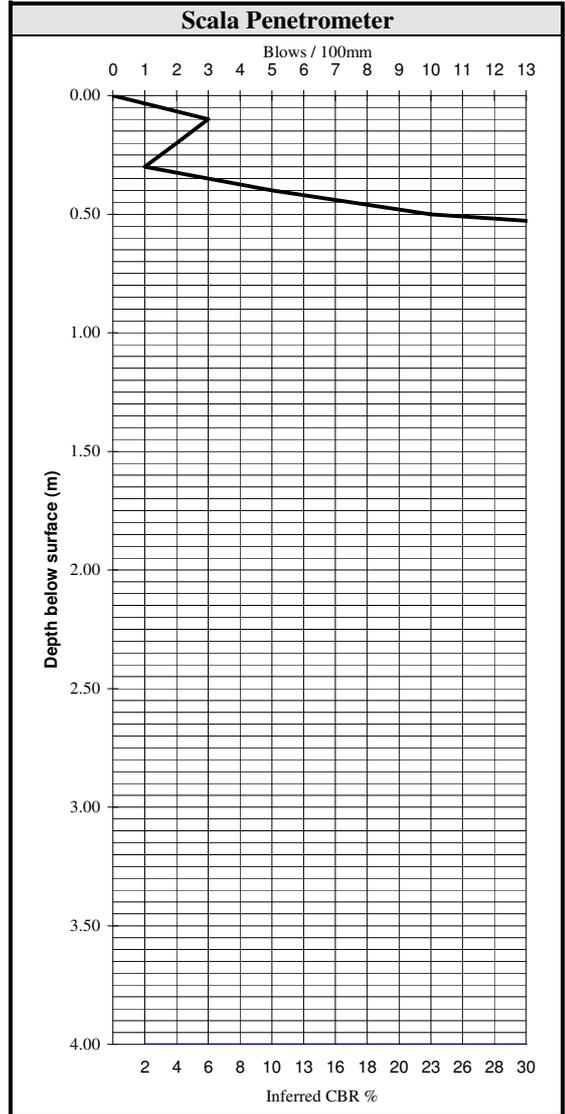
**INVESTIGATION PIT LOG
TEST REPORT**

Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 6



Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :

Depth (mm)	Geological Description
0-200	Sandy, fine topsoil; dark brown.
200-1000	Fine SAND; brown. Loosely packed; poorly sorted; rounded to sub-rounded schist gravel up to 20mm. Some large angular schist boulders up to 500mm in size.
1000-3000	Silty SAND; grey/brown. Densely packed; with rounded gravel and some schist slabs.
	End of test pit No groundwater observed, hole damp
Sample recovered at :	
Depth at which scala penetrometer started : 0 metres	



Test Methods	Notes
Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2 Inferred CBR values taken from Austroads pavement design manual 1992 Sampling Method: NZS 4407 :1991,Part 2.4.2	IANZ Accreditation does not apply to inferred CBR values or depths greater than 1.5 metres

Date tested : 12/10/06
Date reported : 14/11/06

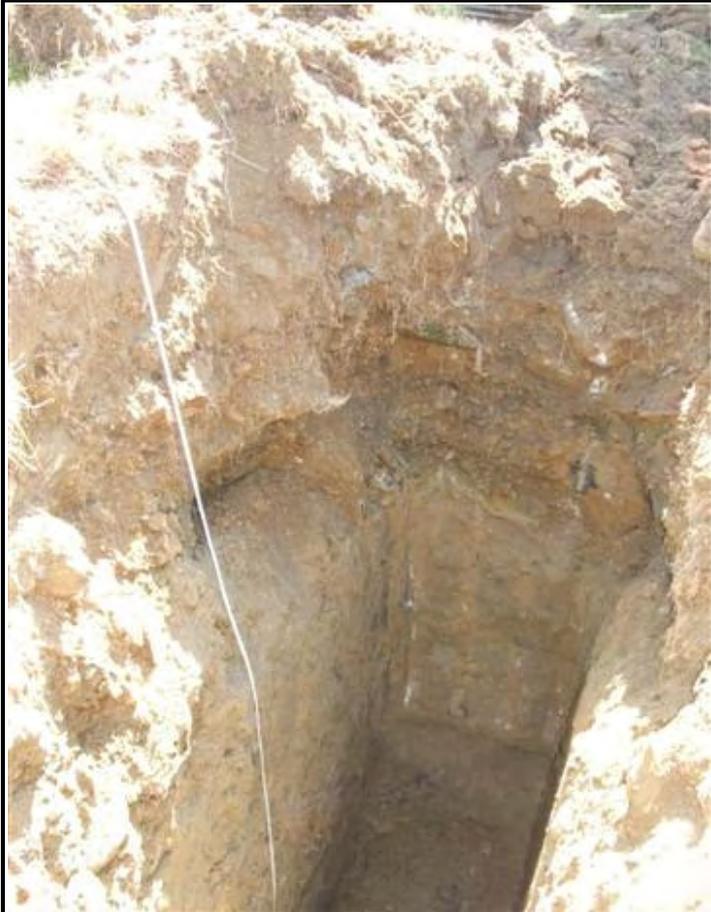
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**INVESTIGATION PIT LOG
TEST REPORT**



Project : 3 Parks Development
Location : Wanaka
Client : Mitchell Partnerships
Contractor : Nichols Landscaping
Sampled by : Mark Darcy and Kim Martelli
Date Sampled : 12/10/06
Pit number : Test Pit 6

Project No : 6CWM03.46 006DD
Lab Ref No : OPU.D6/14
Client Ref No :



Date tested : 12/10/06
Date reported : 14/11/06

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