

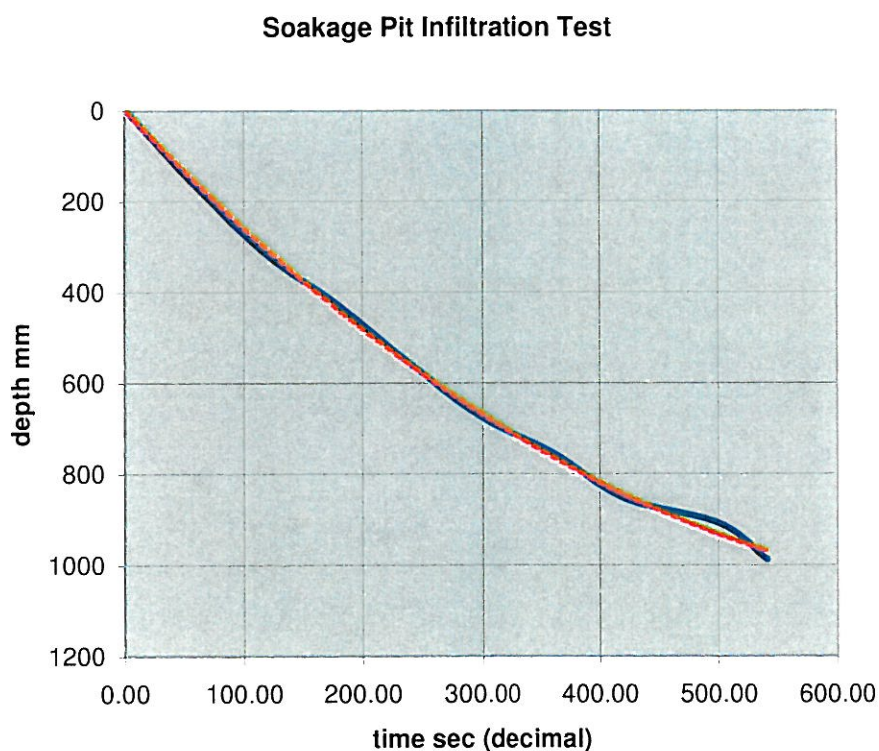
Appendix D

Infiltration Test Results

Infiltration Test Results

Issued to: File
 Date: 15 May 2009 Job name: Test 2 @ pit 3
 Time: _____ Job no: 24788
 People/equipment/materials on site: Carwyn Cadogan, Mary Clay and Daniel Langford.
 Weather/ground conditions: _____
 Test/photographs taken: Soakage pit infiltration testing
 Health and safety: ✓

Time (sec)	mm from datum Test #1
60.00	0
120.00	170
180.00	320.0
240.00	430.0
300.00	560.0
360.00	678.5
420.00	755.0
480.00	855.0
560.00	910.0
600.00	990.0



— Field result - - Poly. (Field result)

$$y = -0.0018x^2 + 2.7762x$$

Ultimate infiltration rate 2996 mm per hour
 (calculated from trendline)

Infiltration Test Results

Issued to: **File**

Date: **15 May 2009**

Job name: **Test 1 @ pit 4**

Time:

Job no: **24788**

People/equipment/materials on site:

Carwyn Cadogan, Mary Clay and Daniel Langford.

Weather/ground conditions:

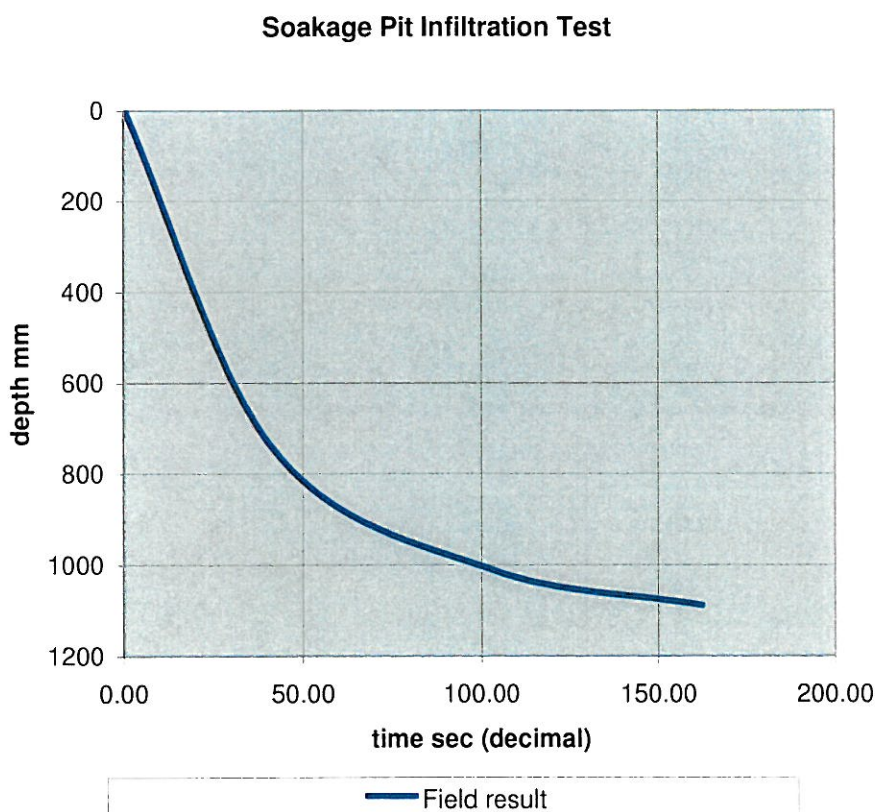
Test/photographs taken:

Soakage pit infiltration testing

Health and safety:

✓

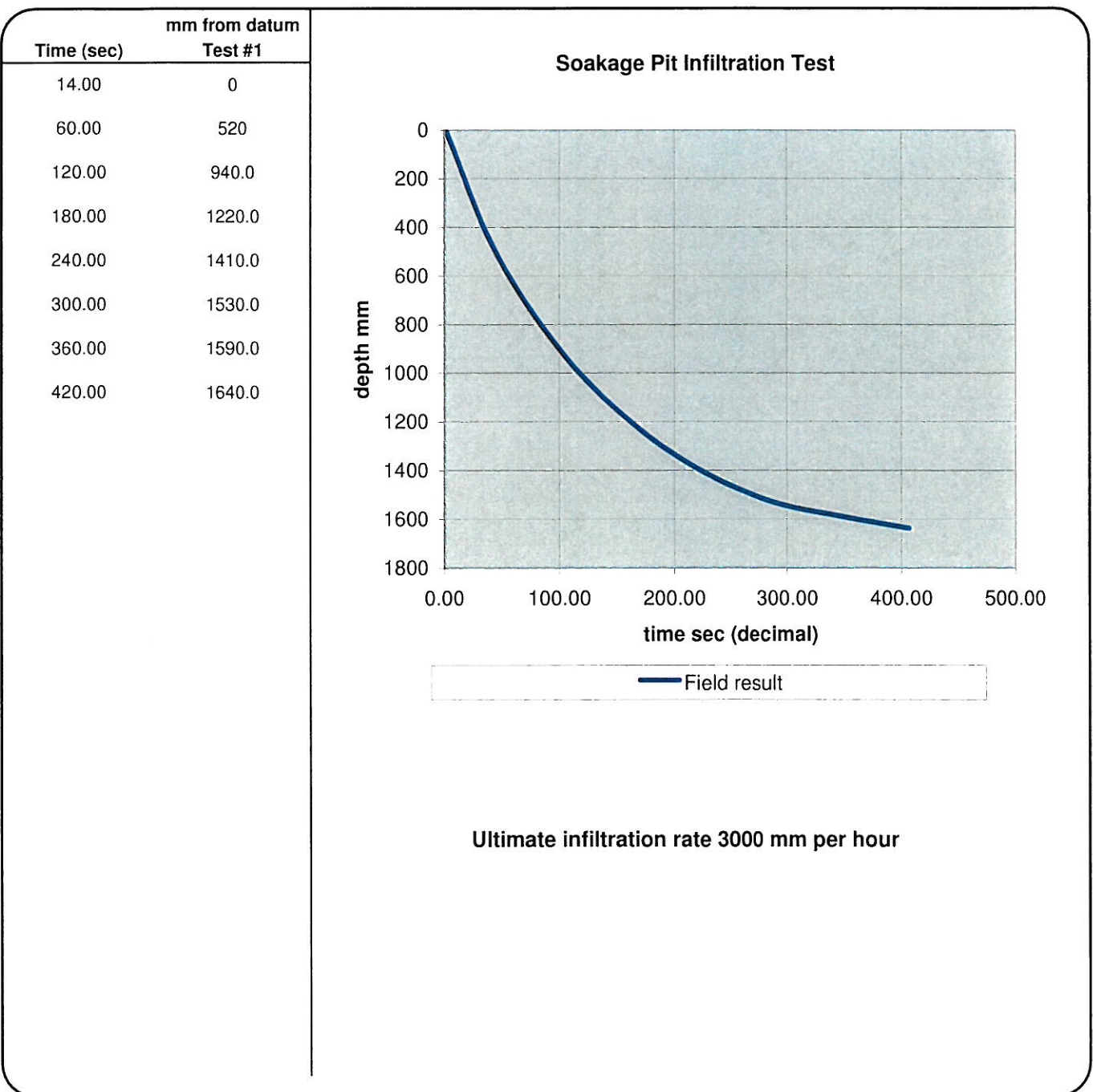
Time (sec)	mm from datum Test #1
18.00	0
60.00	750
120.00	1010.0
180.00	1090.0



Ultimate infiltration rate 4800 mm per hour

Infiltration Test Results

Issued to: File	
Date: 15 May 2009	Job name: Test 2 @ pit 4
Time:	Job no: 24788
People/equipment/materials on site:	Carwyn Cadogan, Mary Clay and Daniel Langford.
Weather/ground conditions:	
Test/photographs taken:	Soakage pit infiltration testing
Health and safety:	☒



Infiltration Test Results

Issued to: **File**

Date: **15 May 2009**

Job name: **Test 1 @ pit 1**

Time:

Job no: **24788**

People/equipment/materials on site:

Carwyn Cadogan, Mary Clay and Daniel Langford.

Weather/ground conditions:

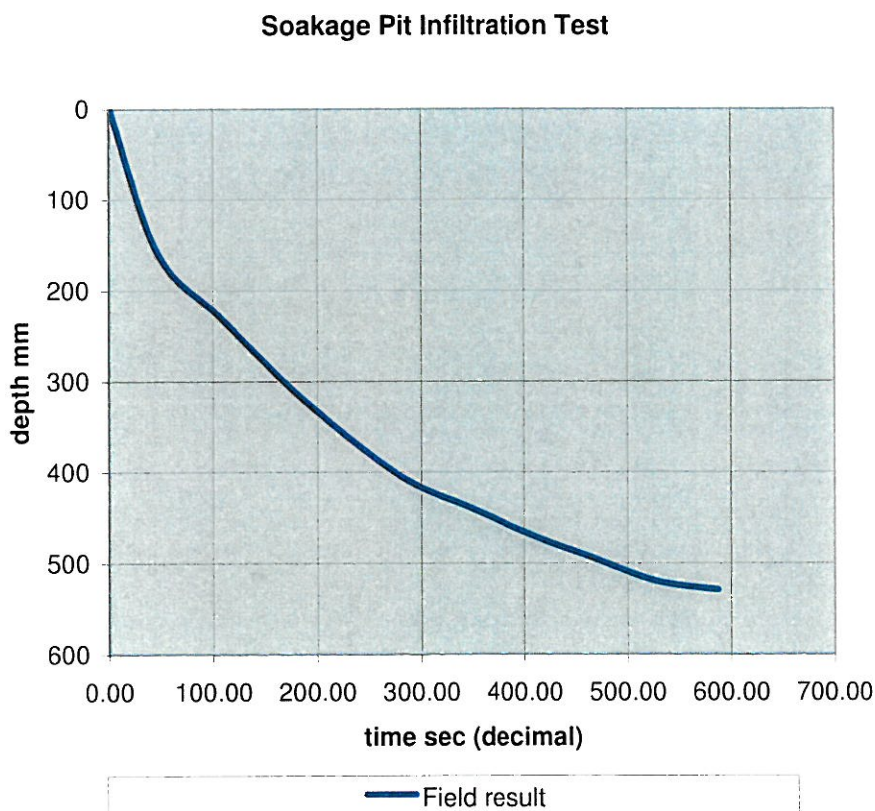
Test/photographs taken:

Soakage pit infiltration testing

Health and safety:

✓

Time (sec)	mm from datum Test #1
13.00	0
60.00	160
120.00	230.0
180.00	300.0
240.00	360.0
300.00	410.0
360.00	440.0
420.00	470.0
480.00	495.0
540.00	520.0
600.00	530.0

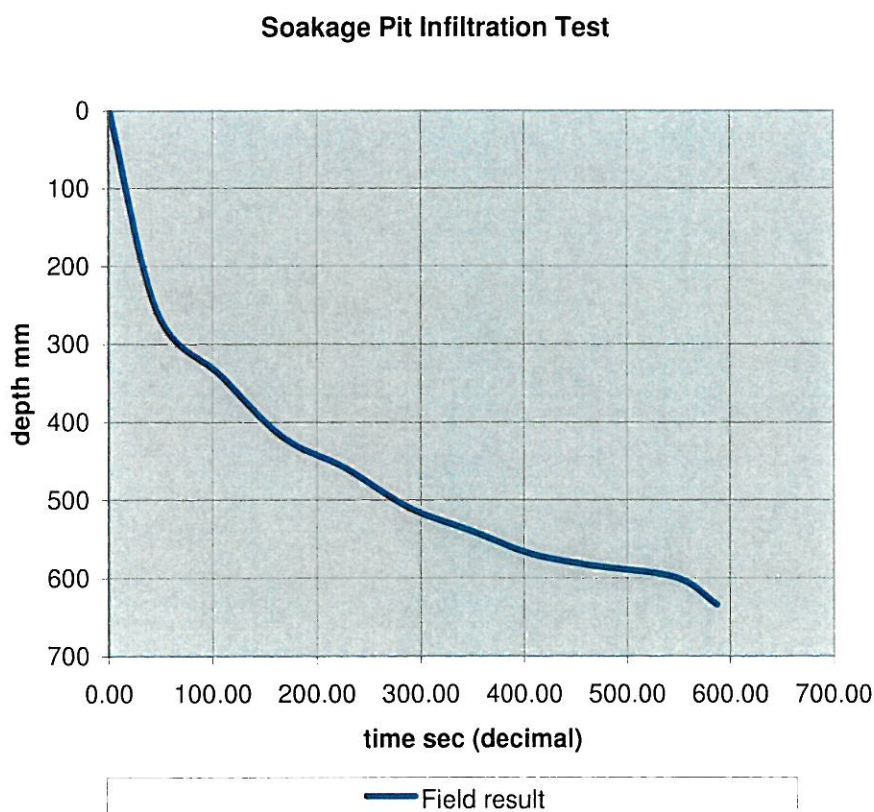


Ultimate infiltration rate 600 mm per hour

Infiltration Test Results

Issued to: **File**
 Date: **15 May 2009** Job name: **Test 1 @ pit 2**
 Time: Job no: **24788**
 People/equipment/materials on site: **Carwyn Cadogan, Mary Clay and Daniel Langford.**
 Weather/ground conditions:
 Test/photographs taken: **Soakage pit infiltration testing**
 Health and safety: ✓

Time (sec)	mm from datum Test #1
13.00	0
60.00	260
120.00	340.0
180.00	420.0
240.00	460.0
300.00	510.0
360.00	540.0
420.00	570.0
480.00	585.0
560.00	600.0
600.00	635.0

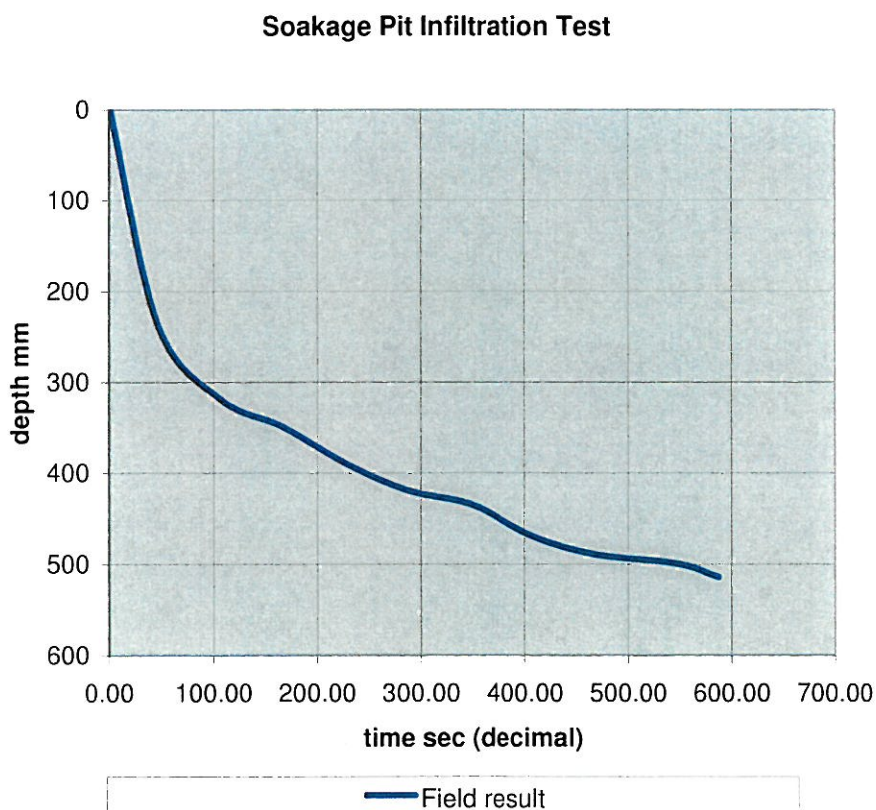


Ultimate infiltration rate 1500 mm per hour

Infiltration Test Results

Issued to: File	
Date: 15 May 2009	Job name: Test 1 @ pit 2
Time:	Job no: 24788
People/equipment/materials on site:	Carwyn Cadogan, Mary Clay and Daniel Langford.
Weather/ground conditions:	
Test/photographs taken:	Soakage pit infiltration testing
Health and safety:	✓

Time (sec)	mm from datum Test #1
13.00	0
60.00	240
120.00	320.0
180.00	350.0
240.00	390.0
300.00	420.0
360.00	435.0
420.00	470.0
480.00	490.0
560.00	500.0
600.00	515.0

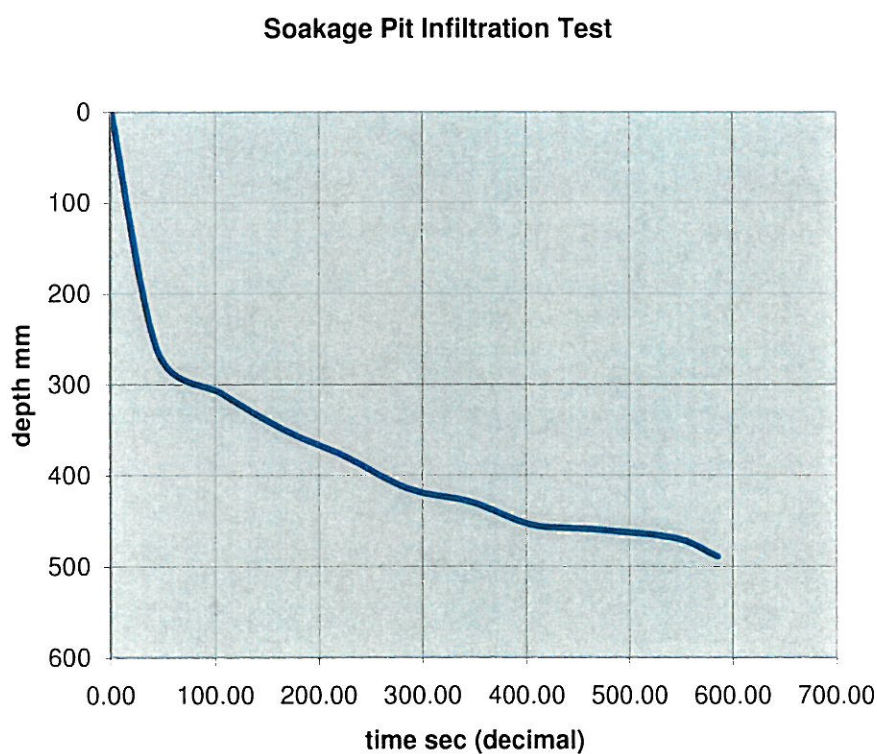


Ultimate infiltration rate 1350 mm per hour

Infiltration Test Results

Issued to: **File**
 Date: **15 May 2009** Job name: **Test 2 @ pit 2**
 Time: Job no: **24788**
 People/equipment/materials on site: **Carwyn Cadogan, Mary Clay and Daniel Langford.**
 Weather/ground conditions:
 Test/photographs taken: **Soakage pit infiltration testing**
 Health and safety: ☒

Time (sec)	mm from datum Test #1
15.00	0
60.00	265
120.00	310.0
180.00	350.0
240.00	380.0
300.00	415.0
360.00	430.0
420.00	455.0
480.00	460.0
560.00	470.0
600.00	490.0



Ultimate infiltration rate 900 mm per hour

Infiltration Test Results

Issued to: **File**

Date: **15 May 2009**

Job name: **Test 1 @ pit 3**

Time:

Job no: **24788**

People/equipment/materials on site:

Carwyn Cadogan, Mary Clay and Daniel Langford.

Weather/ground conditions:

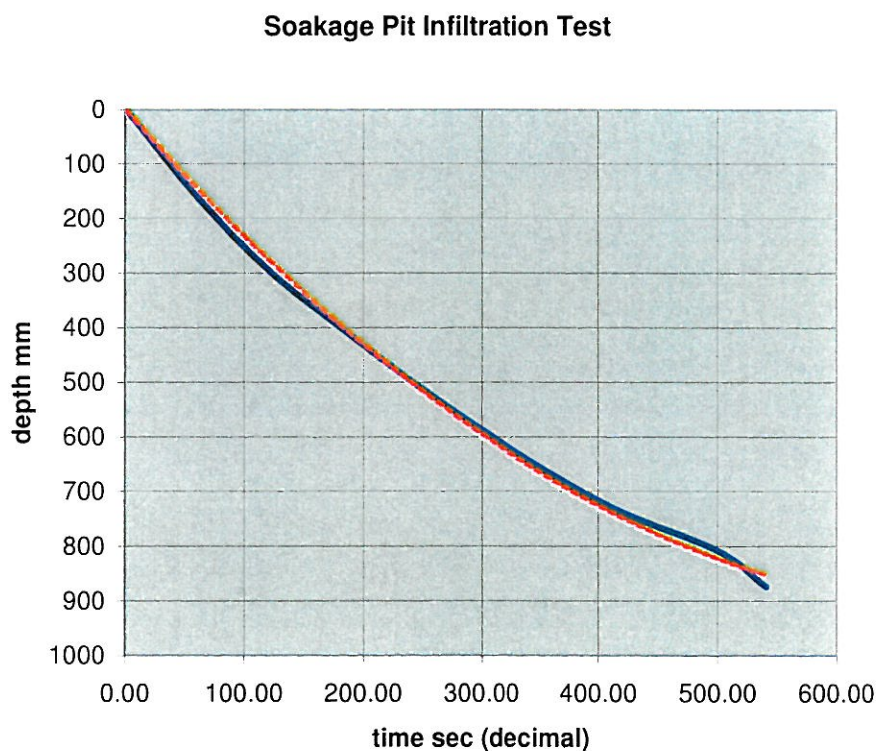
Test/photographs taken:

Soakage pit infiltration testing

Health and safety:

✓

Time (sec)	mm from datum Test #1
60.00	0
120.00	160.0
180.00	295.0
240.00	400.0
300.00	500.0
360.00	590.0
420.00	670.0
480.00	740.0
560.00	810.0
600.00	875.0



— Field result - - Poly. (Field result)

$$y = -0.0017x^2 + 2.4959x$$

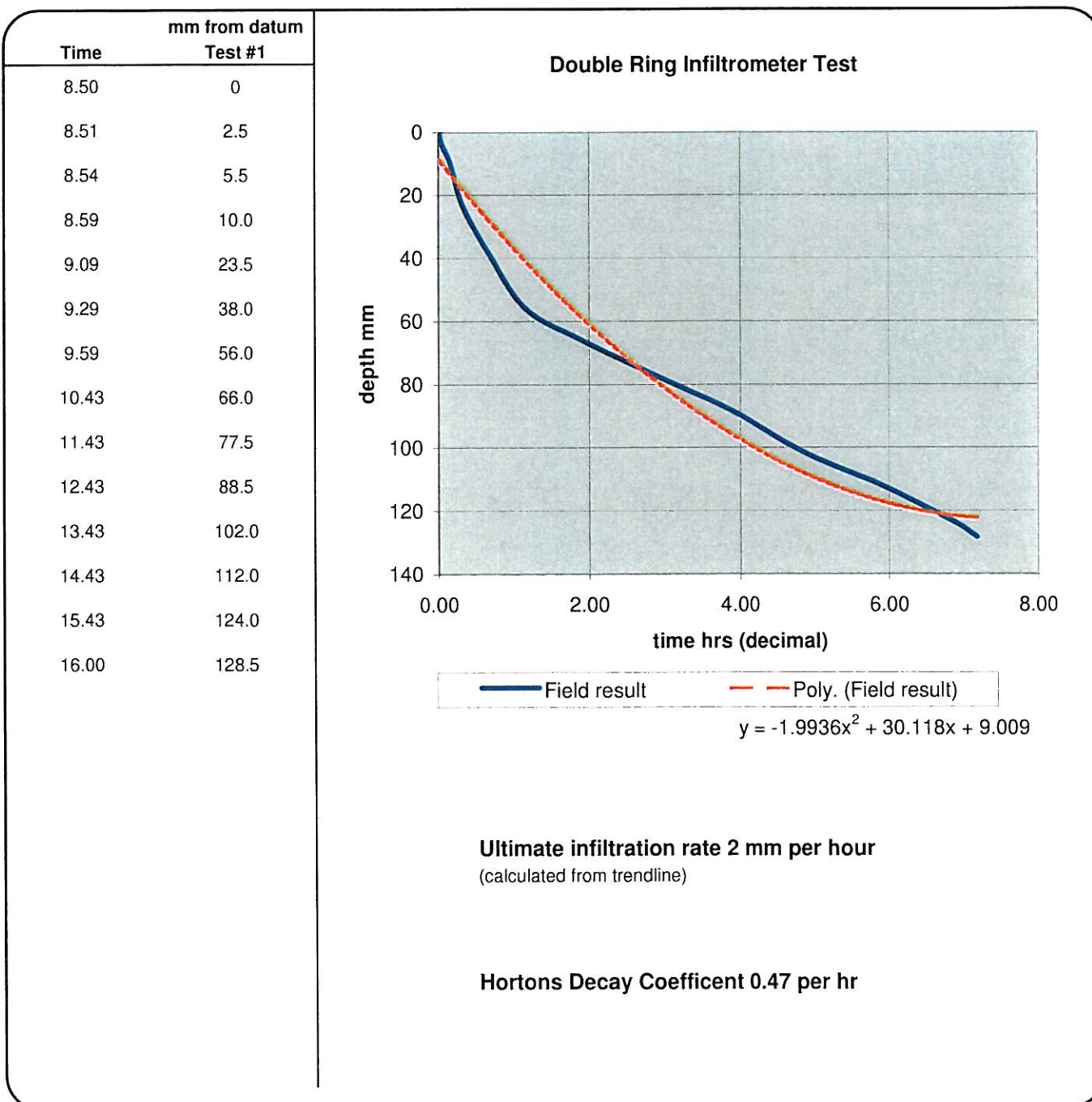
Ultimate infiltration rate 2376 mm per hour
(calculated from trendline)

Appendix E

Infiltrometer Test Results

Infiltrometer Test Results

Issued to: File			
Date: 26 September 2007	Job name: Proposed Darfield subdiv		
Time:	Job no: 24788		
People/equipment/materials on site: Alex Tate			
Weather/ground conditions: none recorded - Test 1			
Test/photographs taken: Double ring infiltrometer testing			
Health and safety: ✓			



Infiltrometer Test Results

Issued to: **File**

Date: **25 September 2007**

Job name:

Proposed Darfield subdiv

Time:

Job no:

24788

People/equipment/materials on site:

Alex Tate

Weather/ground conditions:

none recorded

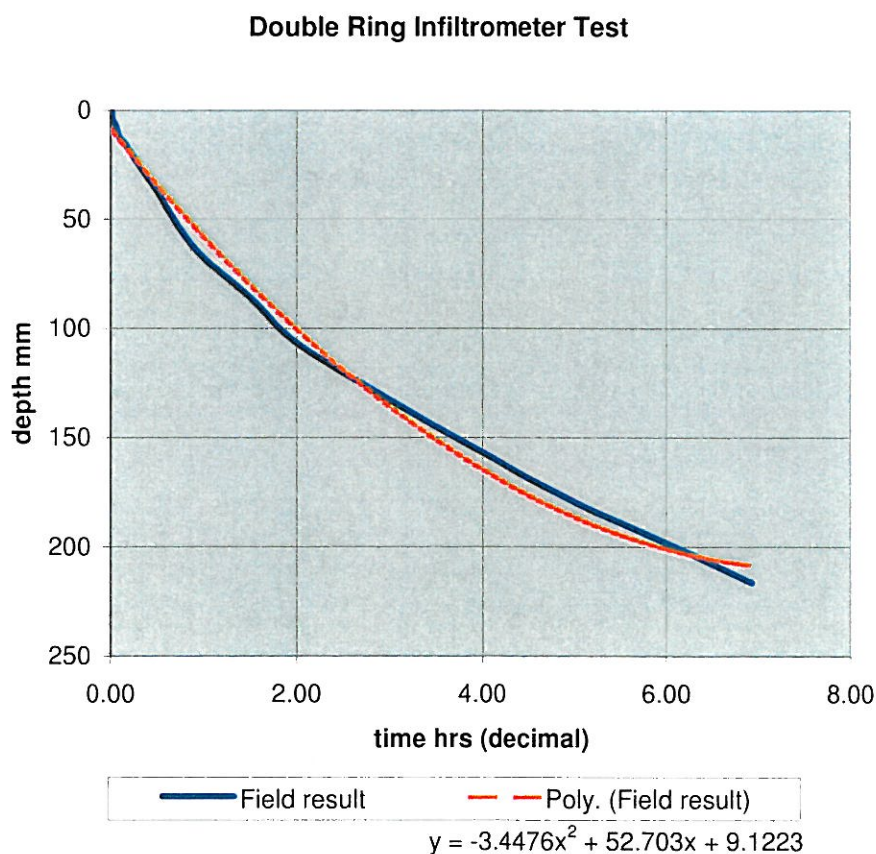
Test/photographs taken:

Double ring infiltrometer testing

Health and safety:

✓

Time	mm from datum Test #1
9.05	0
9.06	5.0
9.08	7.0
9.10	12.5
9.14	16.0
9.24	26.5
9.35	37.5
9.50	55.0
10.05	68.0
10.35	86.0
11.05	107.0
12.05	133.0
13.05	157.0
14.05	179.5
15.05	198.5
16.00	216.5



Ultimate infiltration rate 5 mm per hour
(calculated from trendline)

Hortons Decay Coefficient 0.56 per hr