

Company Remote Engineering Design Services				Project Big Green Farm - Penley	
Item Infil. coeff.calcs for Big Green Farm Penley - TP1				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

SOIL INFILTRATION TEST

Location data

Location : TP1

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 1 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	8:08	0								
850	8:20	12								
1275	9:30	82								

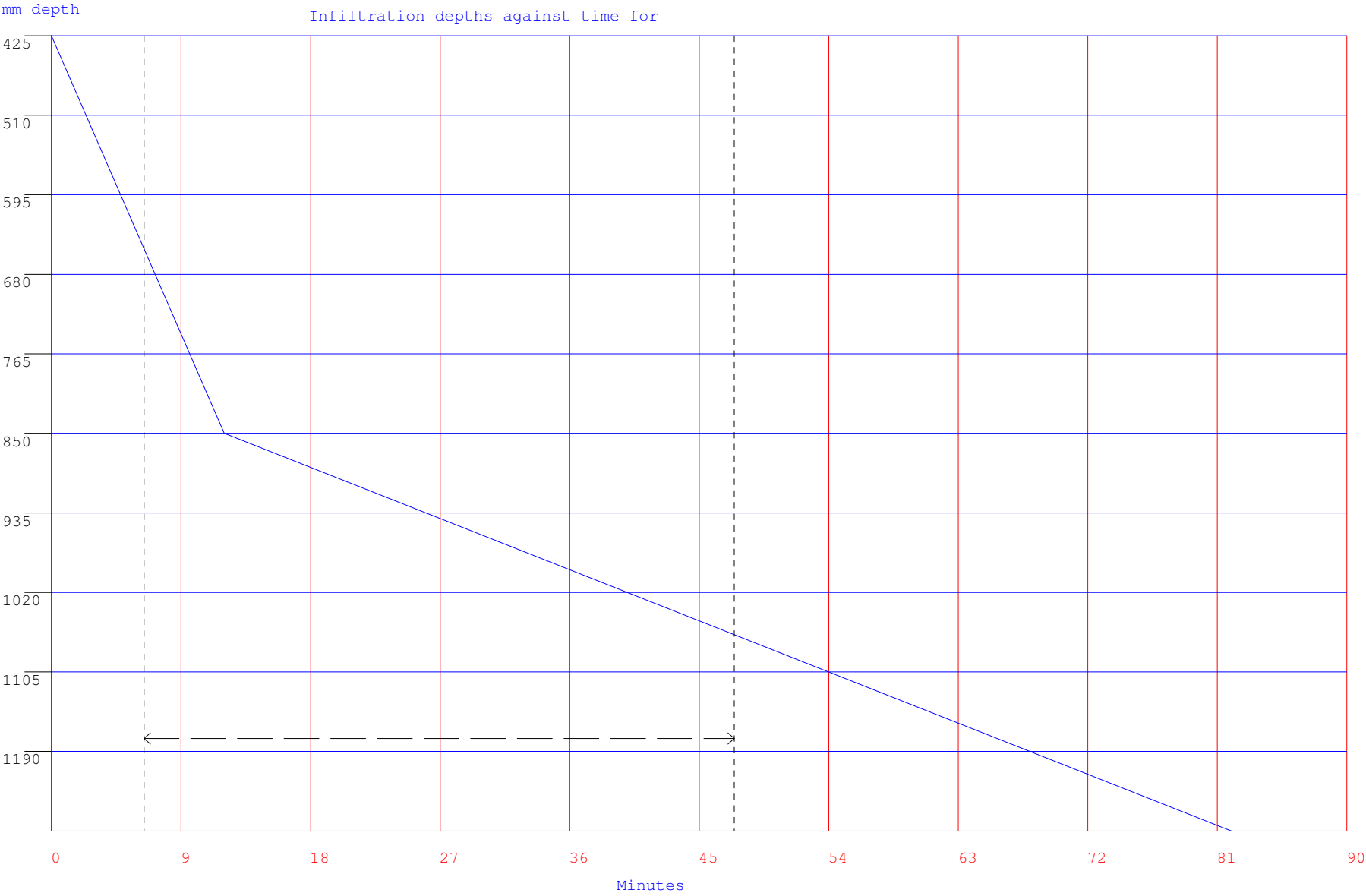
Infiltration test time (25% to 75%) = 41 mins

Infiltration coefficient = 0.2366 m/hr

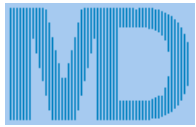
Infiltration coefficient = 6.571E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date



Test pit No. 1 Test No. 1 Test date Inf.time = 41 mins.



Company Remote Engineering Design Services				Project Big Green Farm -Penley	
Item Infilt. coeff. calcs for Big Green Farm - Penley				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

SOIL INFILTRATION TEST

Location data

Location :

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 2 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	6:56	0								
850	7:34	38								
1275	8:19	83								

Infiltration test time (25% to 75%) = 42 mins

Infiltration coefficient = 0.2309 m/hr

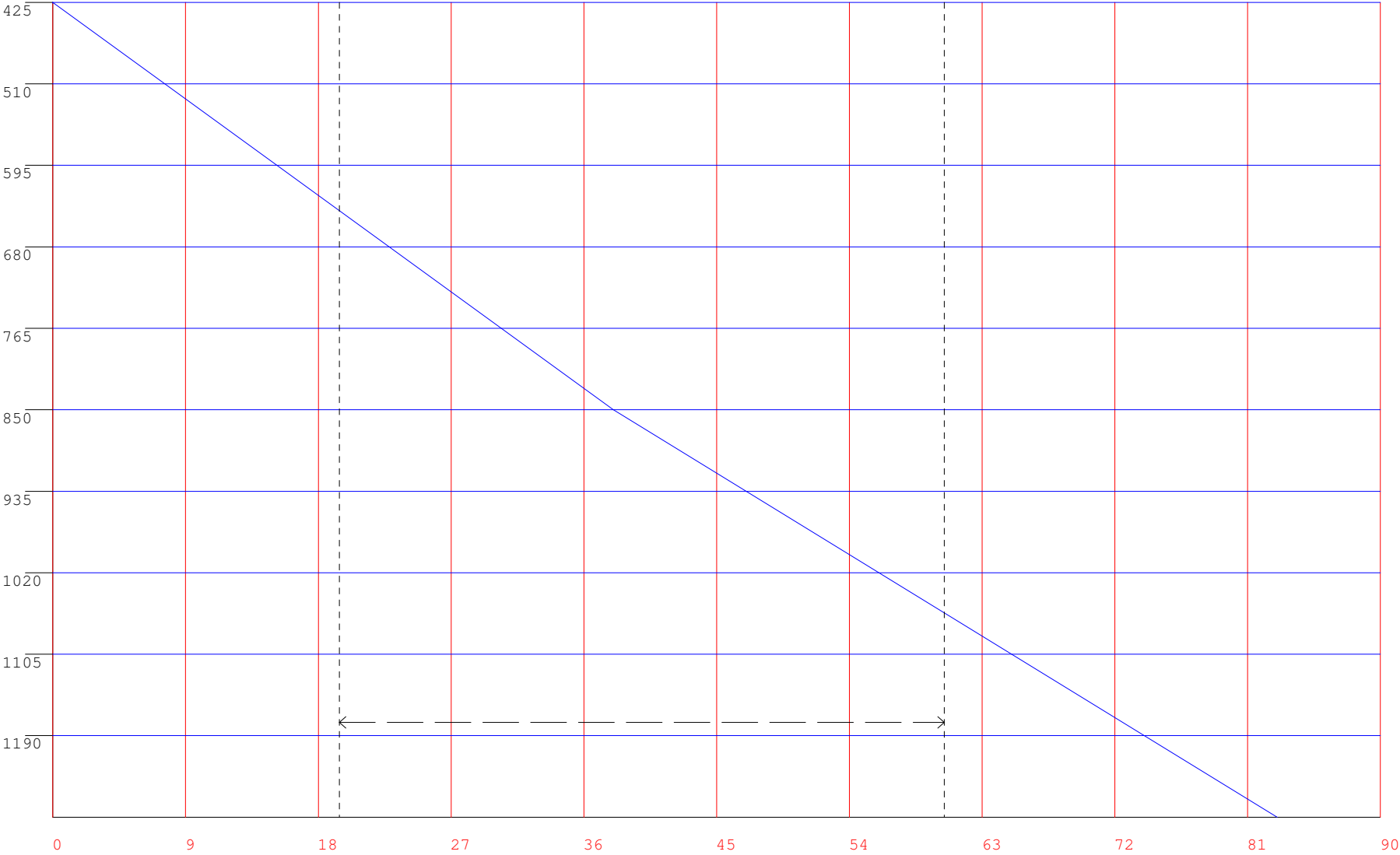
Infiltration coefficient = 6.415E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

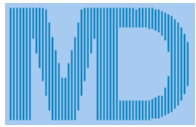
mm depth

Infiltration depths against time for



Minutes

Test pit No. 2 Test No. 1 Test date Inf.time = 41 mins.



Company Remote Engineering Design Services				Project Big Green Farm Penley	
Item Infiltration coefficient calculations for Big Green Farm Penley - TP3				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by
					Date

SOIL INFILTRATION TEST

Location data

Location :

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 3 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	5:40	0								
850	6:20	40								
1275	7:30	110								

Infiltration test time (25% to 75%) = 56 mins

Infiltration coefficient = 0.1732 m/hr

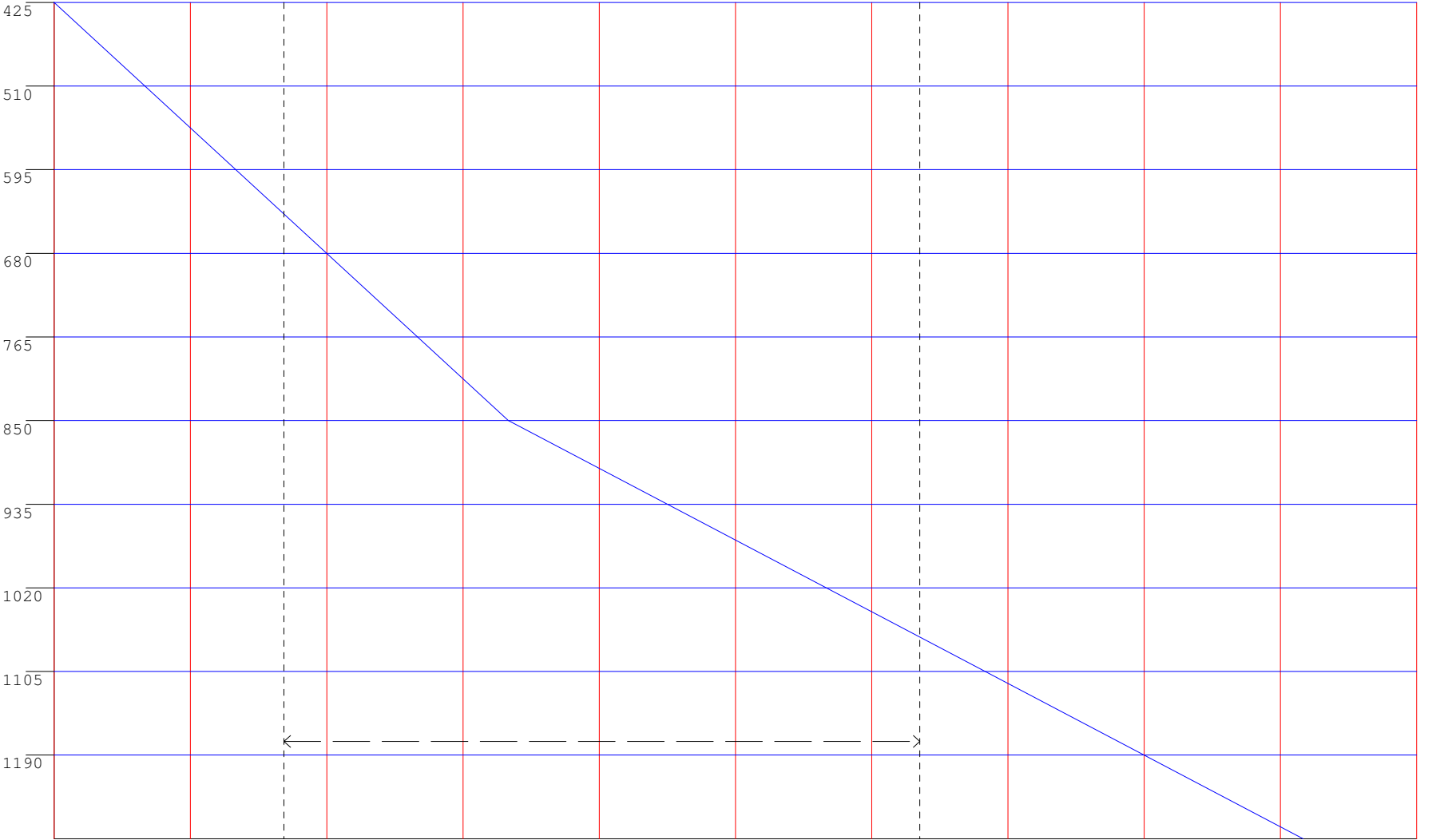
Infiltration coefficient = 4.811E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for TP3				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

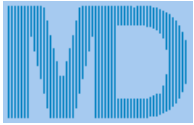
mm depth

Infiltration depths against time for



Minutes

Test pit No. 3 Test No. 1 Test date Inf.time = 56 mins.



Company Remote Engineering Design Services				Project Big Green Farm Penley	
Item Infiltration coefficient calculations for Big Green Farm Penley - TP4				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

SOIL INFILTRATION TEST

Location data

Location :

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 4 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	7:20	0								
850	8:30	70								
1275	9:20	120								

Infiltration test time (25% to 75%) = 60 mins

Infiltration coefficient = 0.1616 m/hr

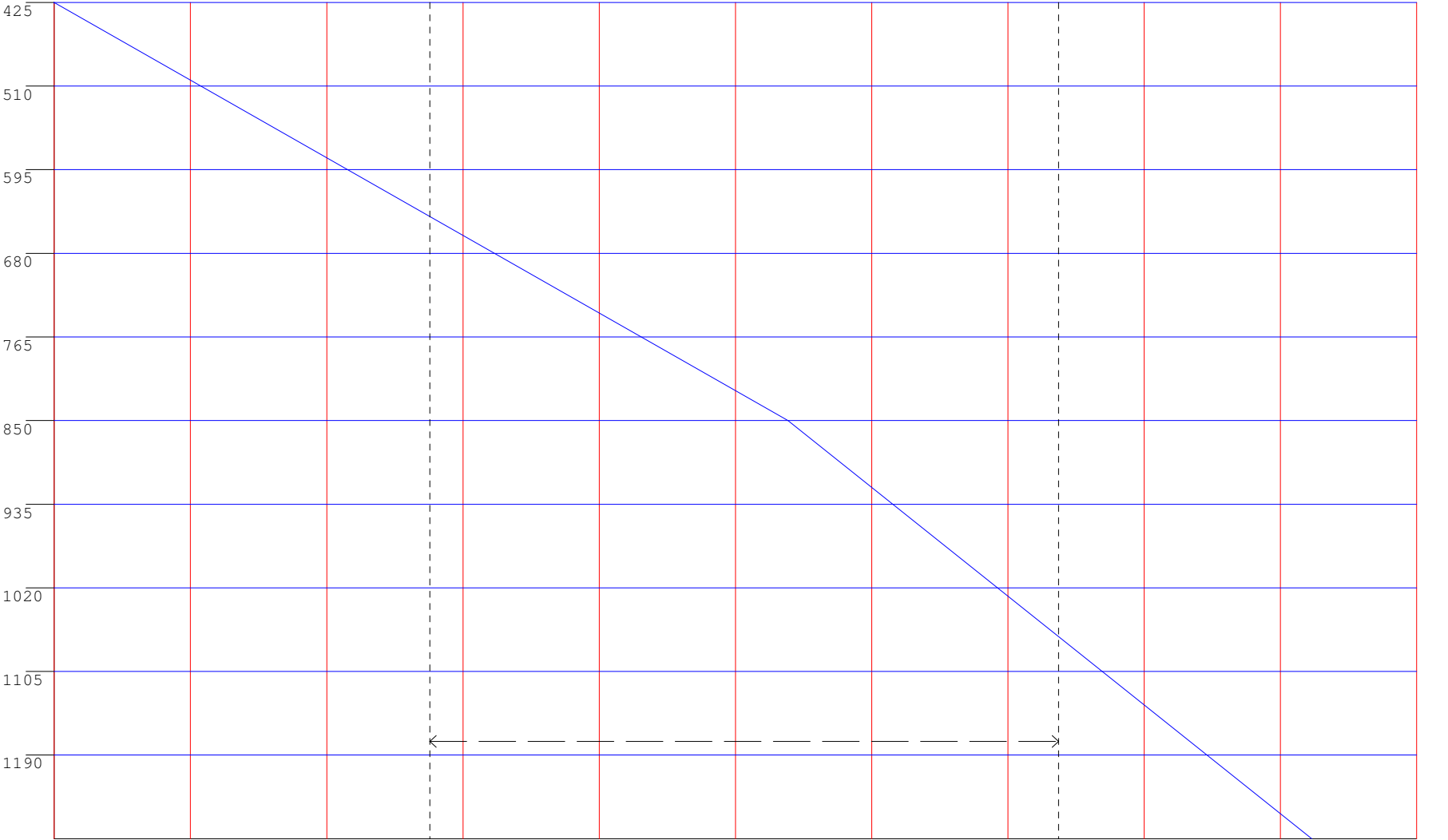
Infiltration coefficient = 4.490E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for TP4				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

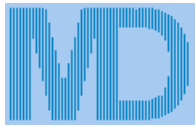
mm depth

Infiltration depths against time for



Minutes

Test pit No. 4 Test No. 1 Test date Inf.time = 60 mins.



Company Remote Engineering Design Services				Project Big Green Farm - Penley	
Item Infiltration coefficient calculations for Big Green Farm Penley-TP5				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

SOIL INFILTRATION TEST

Location data

Location :

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 5 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	5:30	0								
850	6:20	50								
1275	7:00	90								

Infiltration test time (25% to 75%) = 45 mins

Infiltration coefficient = 0.2155 m/hr

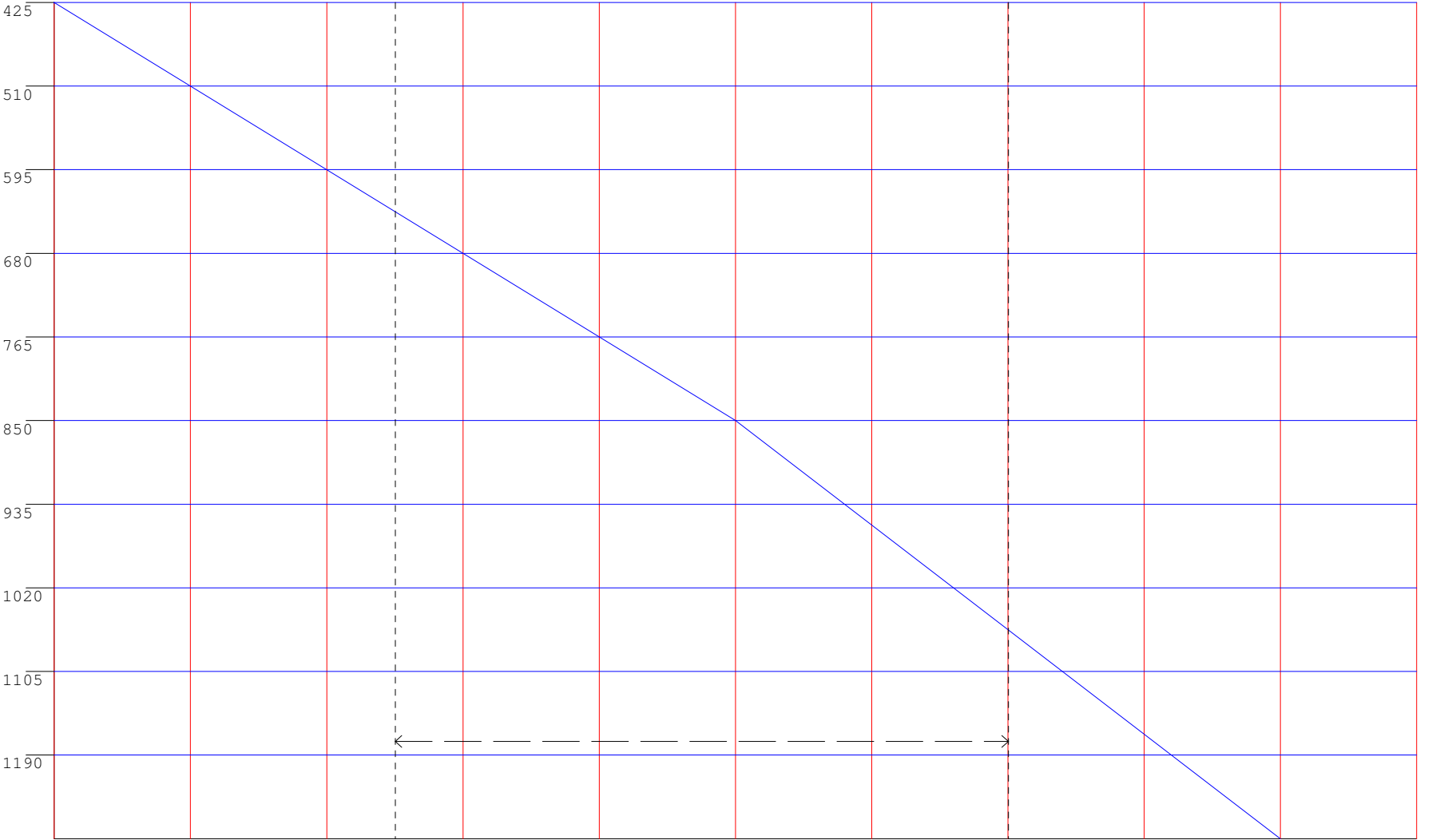
Infiltration coefficient = 5.987E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for TP5				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

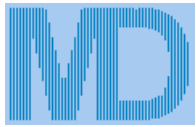
mm depth

Infiltration depths against time for



Minutes

Test pit No. 5 Test No. 1 Test date Inf.time = 45 mins.



Company Remote Engineering Design Services				Project Big Green Farm Penley	
Item Infiltration coefficient calculations for Big Green Farm Penley - TP6				Job Ref RED-EDL-001	Sheet no. 1
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date

SOIL INFILTRATION TEST

Location data

Location :

Soil type:

Trial pit data

Pit dimensions : Length = 1500mm Width = 800mm Depth = 1700mm

Trial pit number: 6 Test number: 1 Date of test:

SEEPAGE TEST RESULTS

Depth	Time	Mins		Depth	Time	Mins		Depth	Time	Mins
425	4:30	0								
850	5:40	70								
1275	5:50	80								

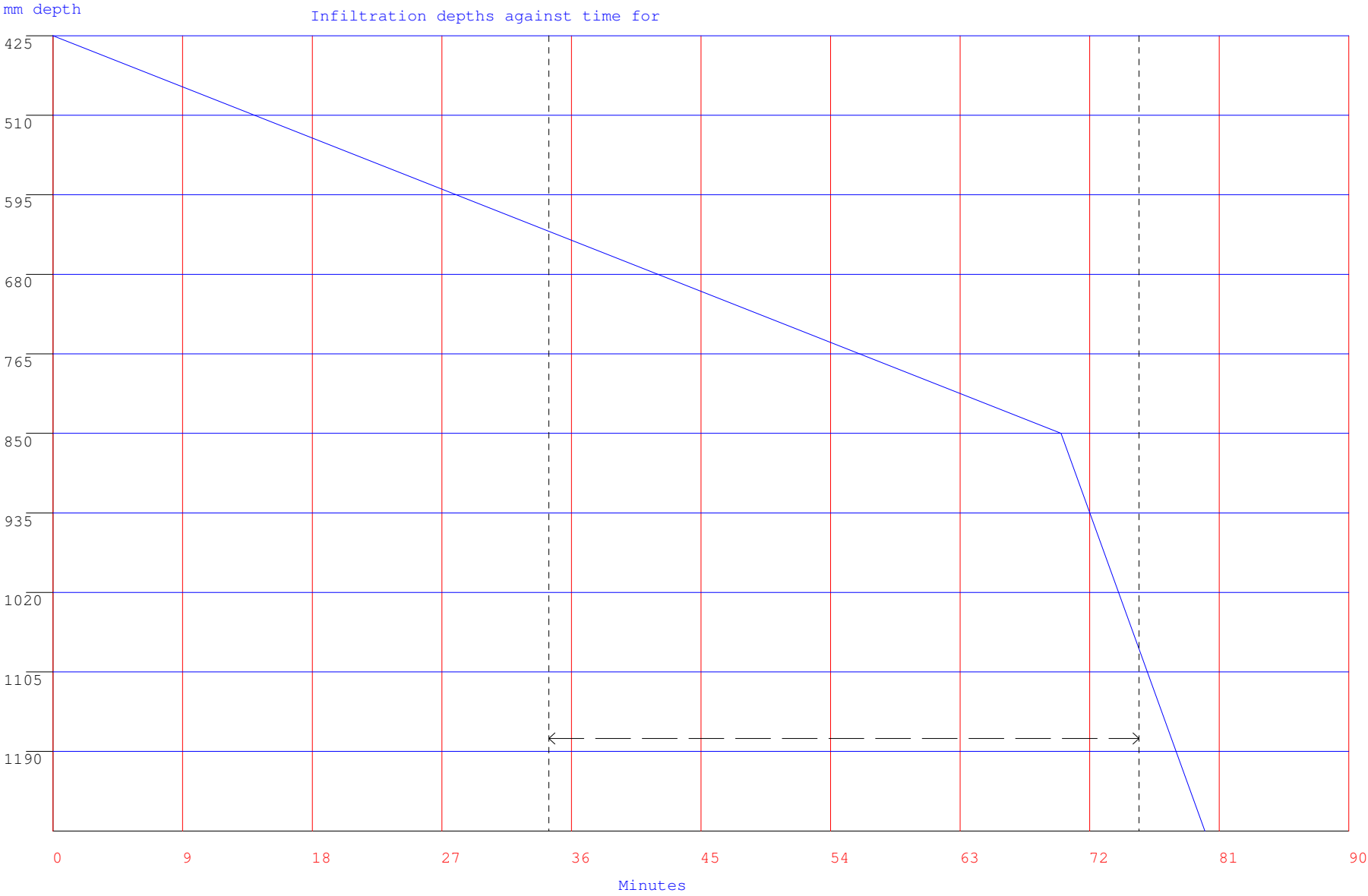
Infiltration test time (25% to 75%) = 41 mins

Infiltration coefficient = 0.2366 m/hr

Infiltration coefficient = 6.571E-5 m/sec



Company Remote Engineering Design Services				Project Penley	
Item Infilt. coeff. calcs for TP6				Job Ref	Sheet no. 2
MasterDrain	Calc. by JGW	Date 09/11/20	Checked by	Date	Approved by Date



Test pit No. 6 Test No. 1 Test date Inf.time = 41 mins.