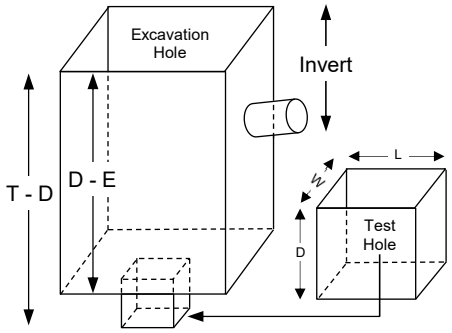
SOAKAWAY TESTS TO BUILDING REGULATIONS

LOCATION	LAND WEST OF BUNGALOW HALTON CHIRK
WEATHER	Dry
POSITION ON SITE	Near Chalet
HOLE NUMBER	1

TEST HOLE DIMENSIONS (mm)

Length	300
Width	300
Depth	300



DEPTH OF EXCAVATION TO THE TEST HOLE (m)	0.80	D - E
TOTAL DEPTH TO THE BOTTOM OF THE TEST HOLE (m)	1.10	T - D

DATES: 1st TEST 23-09-22 2nd TEST - 3rd TEST -

1st TEST			2nd TEST			3rd TEST		
DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)	DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)	DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)
300	17:25:00	0						
225	17:40:00	900						
160	19:30:00	7500						
75	21:30:00	14700						

RECORDED BY Client

COMMENTS Sumner Consultancy did not visit the site or advise on location of test hole/s

-

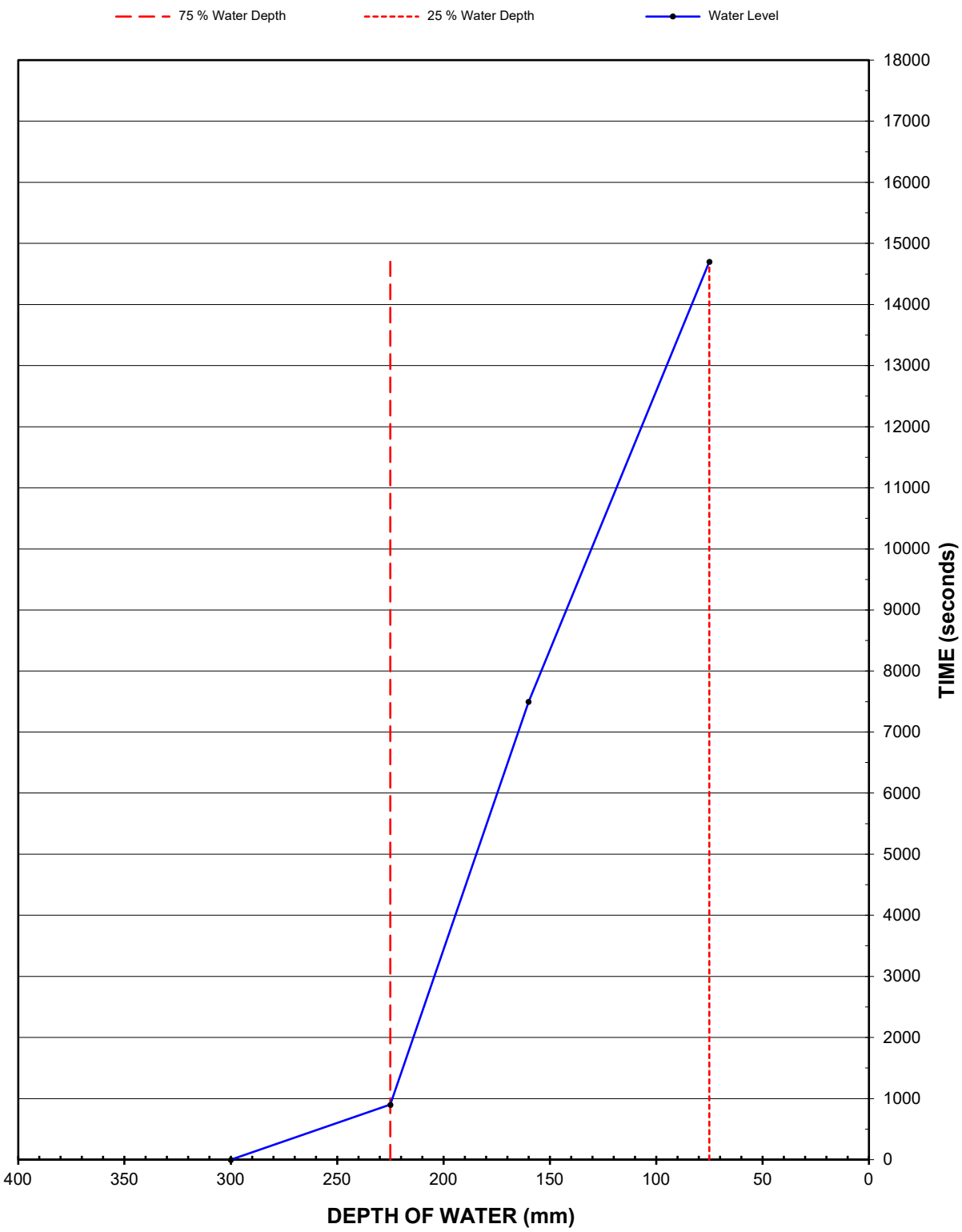
© Sumner Consultancy Ltd

LAND WEST OF BUNGALOW HALTON CHIRK

HOLE 1

SOAKAWAY TEST 1

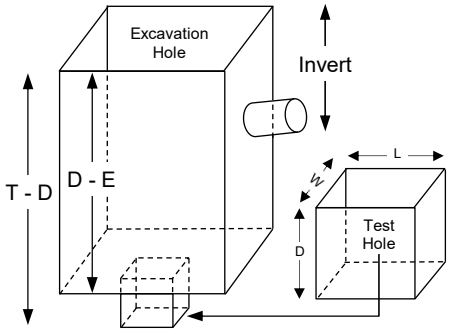
KEY



© Sumner Consultancy Ltd

SOAKAWAY TESTS TO BUILDING REGULATIONS

LOCATION	LAND WEST OF BUNGALOW HALTON CHIRK	
WEATHER	Dry	
POSITION ON SITE	Near Entrance	
HOLE NUMBER	2	
TEST HOLE DIMENSIONS (mm)	Length	300
	Width	300
	Depth	300



DEPTH OF EXCAVATION TO THE TEST HOLE (m)	0.80	D - E
PROPOSED DEPTH TO INVERT OF OUTFALL PIPE (m)	1.10	Invert
TOTAL DEPTH TO THE BOTTOM OF THE TEST HOLE (m)	1.10	T - D

DATES: 1st TEST 23-09-22 2nd TEST - 3rd TEST -

1st TEST			2nd TEST			3rd TEST		
DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)	DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)	DEPTH OF WATER (mm)	TIME (00:00 hrs.)	TIME ELAPSED (seconds)
300	17:35:00	0						
275	17:50:00	900						
260	19:30:00	6900						
150	21:30:00	14100						

RECORDED BY Client

COMMENTS Sumner Consultancy did not visit the site or advise on location of test hole/s

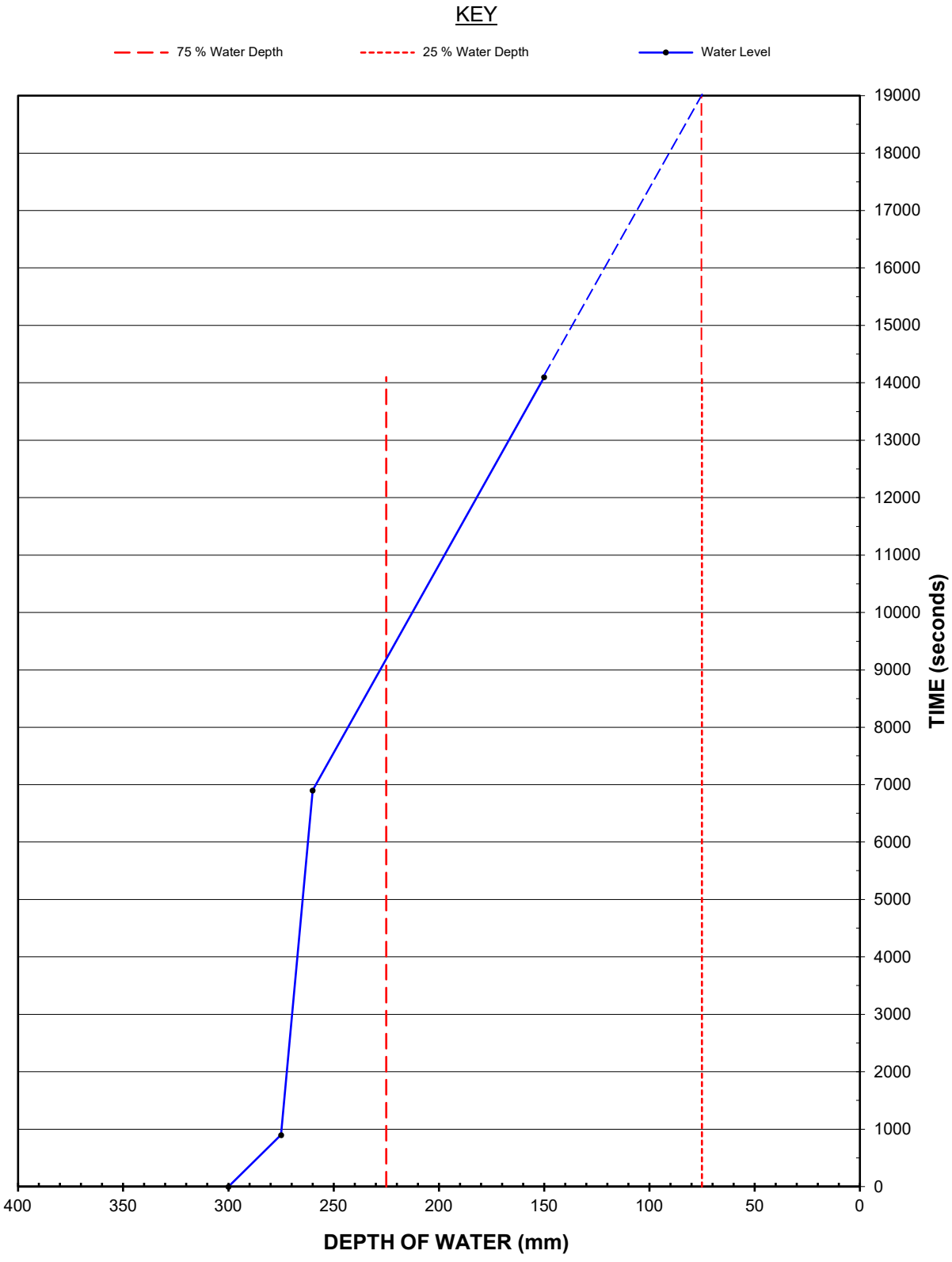
-

© Sumner Consultancy Ltd

LAND WEST OF BUNGALOW HALTON CHIRK

HOLE 2

SOAKAWAY TEST 1



© Sumner Consultancy Ltd

SOAKAWAY TESTS TO BUILDING REGULATIONS
TEST RESULTS

HOLE No. 1

1st TEST								
PERCENTAGE DEPTH OF WATER	DEPTH (mm)	TIME (seconds)						
100%	300	0						
75%	225	990						
25%	75	14700						
		V_p = 91.4		V_p =			V_p =	

AVERAGE V_p = 91.4

INFILTRATION RATE = 5.470E-06 m/s or 0.0197 m/hr

Infiltration Factor (IF) = 2

Infiltration Rate = $\frac{0.001}{IF \times Vp}$

HOLE No. 2

1st TEST								
PERCENTAGE DEPTH OF WATER	DEPTH (mm)	TIME (seconds)						
100%	300	0						
75%	225	9250						
25%	75	19000						
		V_p = 65.0		V_p =			V_p =	

AVERAGE V_p = 65.0

INFILTRATION RATE = 7.692E-06 m/s or 0.0277 m/hr

Infiltration Factor (IF) = 2

Infiltration Rate = $\frac{0.001}{IF \times Vp}$

AVERAGE FOR TEST HOLES 1 & 2

THE AVERAGE V_p = 78.2

INFILTRATION RATE = 6.394E-06 m/s or 0.0230 m/hr

Infiltration Factor (IF) = 2

Infiltration Rate = $\frac{0.001}{IF \times Vp}$

© Sumner Consultancy Ltd info@sumnerconsultancy.co.uk www.sumnerconsultancy.co.uk