Is Drain Coil Required?		
Is existing pavement depth less than design depth and no open channel to drain?	Y	N
Is there water coming from the surrounding pavement?	Y	N

If drain coil used, please fill out the following :

Road (SH-RS)		Start RP (m)		End RP (m)	
Side (please circle)	True Left	True Right	Offset (m from centreline)		m
Pipe Material			Pipe Shape		
Pipe Diameter		mm	Length Used (m)		m
Filter Sock fitted?			Yes	No	
Date Installed					

Is Geotextile Required?		
Is there clay mixed with the existing pavement?	Y	N
Is Geogrid and Geotextile required?		
Is the Subgrade CBR less than 3?	Y	N

Backfill Quality Checklist

Digout Backfill			
Number of layers of AP65			
Thickness of AP65 layers			mm
Additional material added in Stabi?	Y	N	
If yes (above), what materials used?			
Clegg Hammer Results (2 per layer) Clegg Hammer result must be ≥35	Layer #	Test 1	Test 2
	1		
	2		
	3		
	4		
	5		
	6		
Depth of M4 / AP 40 Basecourse			mm
Squeeze Test Result			
Max Straight Edge			

Supervisor signature		Date	

Surfacing		
Surface satisfactory for Sealing	Y	N
Seal Type Used	Chip Seal	Asphalt Concrete
Seal Complete Date (after)		
Signed Supervisor		

Dispatch closed in AWM, and all records and photos attached	Y	N

Supervisor signature		Date	

Downer

SCNOC SH1Digout ☐ or Stabi ☐ Quality Workbook (please tick)

Photo Point

Road Name / SH Location (before)	
Digout Dispatch Number on AWM	
Associated Drainage Dispatch Number on AWM	
Date	

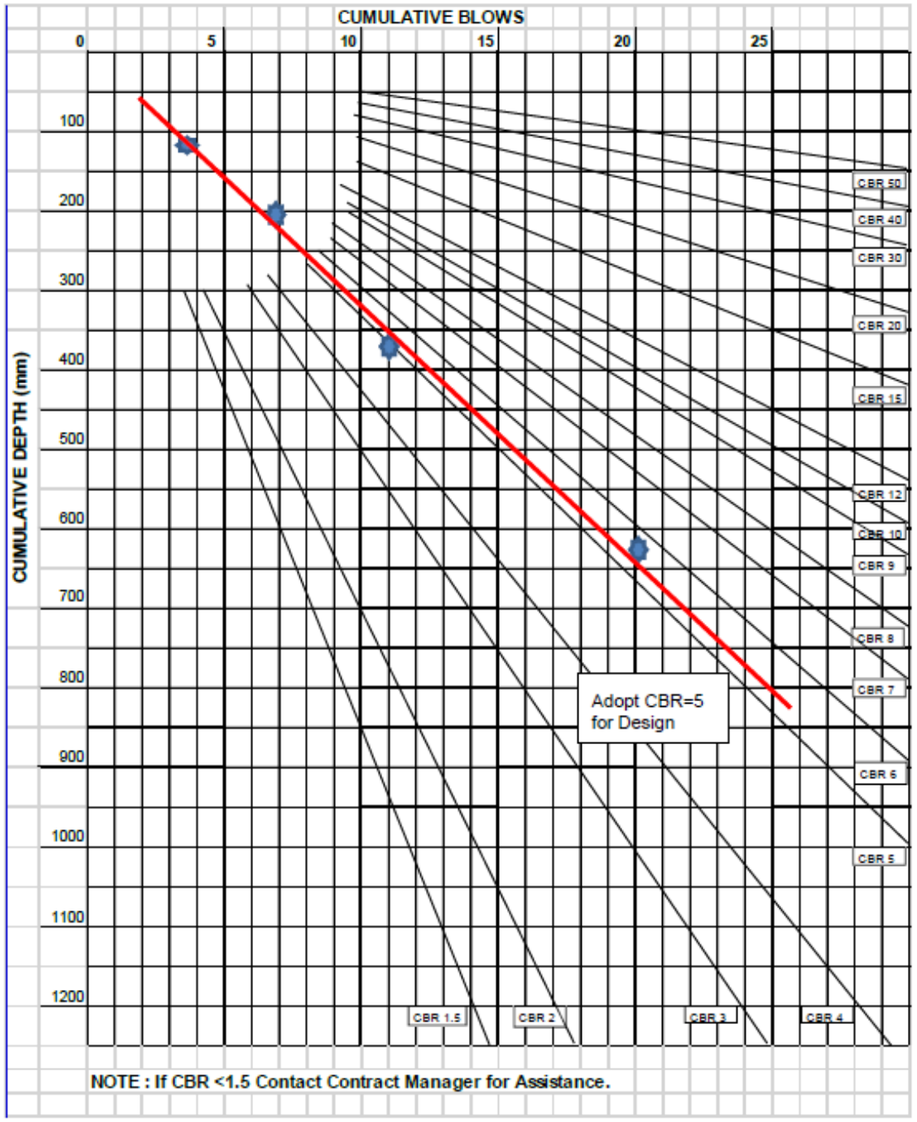
Mark out Digout/Stabi		
Edges Saw Cut	Y	N
Digout Width		m
Digout Length		m

Dig down 300mm and do scala test/s as required to determine CBR. Not needed for Stabi.
1 Scala test every 10 ln/m or at change of ground.

Scala Test 1		**Scala Test 2**		**Scala Test 3**	
Depth	**# of Blows**	**Depth**	**# of Blows**	**Depth**	**# of Blows**
100		100		100	
200		200		200	
300		300		300	
400		400		400	
500		500		500	
600		600		600	
700		700		700	
800		800		800	
900		900		900	

Plot the number of blows from the scala test with the least number of blows per 100mm depth onto the graph on the next page. Circle the calculated CBR on the right. If your plotted line is between 2 lines, adopt the lower CBR number.

CBR Calculation Graph



Example given by red line

Depth	#Blows	Cumulative
100	3	3
200	4	7
300	2	9
400	4	13
500	3	16
600	3	19
700	3	22
800	3	25

CBR = 6

Calculated CBR	
Depth of Digout required at this location* 📷	
Depth of Stabilisation	**mm**
Cement Used (%)	**%**
Lime Used (%)	**%**

***calculate the required depth of the digout from the table on the next page by matching the CBR to the section of road that you are working on. E.g. CBR of 6 on SH1 462 = 450mm.

📷 Take a photo when you have reached the required depth.

SCNOC SH1 Digout Design

Please check that you have the correct Digout Design chart for the area you are working on.

Chart Blue cells indicate that a Design Engineer is required due to depth > 450mm

CBR

1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	12.0	15.0	20.0	>20	RS/Chainage
850	750	650	550	500	450	400	350	350	350	300	250	200	200	401
850	750	600	550	500	450	400	350	350	350	300	250	200	200	416
850	750	650	550	500	450	400	350	350	350	300	250	200	200	430/0.0 – 430/3.540
850	750	650	550	500	450	400	350	350	350	300	250	200	200	430/3.540 -447/0.0
850	750	600	550	450	450	400	350	350	300	300	250	200	200	447
850	750	600	550	450	450	400	350	350	300	300	250	200	200	462
850	750	600	500	450	400	400	350	350	300	300	250	200	200	465
850	750	600	500	450	400	400	350	350	300	300	250	200	200	481/0.0 – 481/9.440
850	750	600	550	500	450	400	350	350	300	300	250	200	200	481/9.440 – 501/0.0
850	750	600	550	500	450	400	350	350	300	300	250	200	200	501
850	750	600	550	450	400	400	350	350	300	300	250	200	200	506
850	750	600	550	450	400	400	350	350	300	300	250	200	200	516
850	750	600	500	450	400	400	350	350	300	300	250	200	200	520
800	700	600	500	450	400	400	350	350	300	300	250	200	200	532
800	700	600	500	450	400	400	350	350	300	300	250	200	200	544
800	700	600	500	450	400	400	350	350	300	300	250	200	200	560/0.0 – 560/9.960

Test Pit Details

Layer 📷	**Material Options**
Surface	Asphaltic Concrete (**AC**), Chip Seal (**CS**)
Pavement Layer	Aggregate (**AP#** eg AP65), Asphaltic Concrete (**AC**), Bridge Deck (**BD**), Clay (**C**), Concrete (**CO**), Existing Seal Layers (**ESL**), Fabric (**F**), Lime Rock (**LR**), Melter Slag (**MS**), Peat (**PE**), Polythene (**PO**), Pumice (**PU**), Reclaimed Glass (**RG**), Recycled Rubber (**RR**), Rock (**R**), Sand (**S**), Scoria (**SC**), Shell Rock (**SR**), Silt (**SI**), Unknown (**U**)
Subgrade	Ash (**A**), Boulders (**B**), Clay (**C**) – *Plasticity High (**H**), Low (**L**), Unknown (**U**),* Gravel (**G**) – *Clayey (**C**), Poorly Graded (**PG**), Silty (**SI**), Well Graded (**WG**)*, Organic (**O**), Organic Clay/Silt (**OCS**) – *Low (**L**) / High (**H**) Liquid Limit*, Papa (**PA**), Peat (**PE**), Pumice (**PU**), Pumice/Ash (**PUA**), Reactive (**RE**), Rock (**R**), Sand (**S**), Shell Rock (**SR**), Silt (**SI**), Volcanic (**V**)

Layer Type	Layer #	Depth / mm	Material	Layer Type	Layer #	Depth / mm	Material
Surfacing	**1**			Subgrade (improvement/ in situ)	**1**		
Pavement Layer Material (Basecourse /Subcourse)	**1**				**2**		
	2				**3**		
	3				**4**		
	4				**5**		
	5			**Comments:**			
	6						
	7						
	8						
	9						
	10						