

Figure 1 1a.1 Trackside ditching and bund design

 Table 1
 1a.1 Summary of trackside ditching needed

ID	Action	Length (m)	Minimum Width (m)	Depth (m)	Excess material
11g1	Create	97	1.2	0.6	Bund (adjacent)
18a	Create	101	1.2	0.6	Bund (adjacent)
21a	Create	103	1.2	0.6	Bund (adjacent)
21b	Create	76	1.2	0.6	Bund (adjacent)
7a	Create	240	1.2	0.6	Bund (adjacent)
11c2	Create	248	1.2	0.6	Bund (opposite side)
11f2	Create	127	1.2	0.6	Bund (opposite side)
11j1	Create	224	1.2	0.6	Bund (opposite side)
81a2	Create	24	1.2	0.6	Bund (opposite side)
11e2	Create	268	1.2	0.6	Bund (opposite side)
40b1	Create	158	1.2	0.6	Place on track
11b	Desilt	97	1.2	0.6	Bund (adjacent)
11h1	Desilt	159	1.2	0.6	Bund (adjacent)
11i1	Desilt	90	1.2	0.6	Bund (adjacent)
18b	Desilt	268	1.2	0.6	Bund (adjacent)
18c1	Desilt	95	1.2	0.6	Bund (adjacent)
18d	Desilt	67	1.2	0.6	Bund (adjacent)
18e	Desilt	43	1.2	0.6	Bund (adjacent)
18f	Desilt	104	1.2	0.6	Bund (adjacent)
18g	Desilt	65	1.2	0.6	Bund (adjacent)
18h	Desilt	77	1.2	0.6	Bund (adjacent)
18i	Desilt	148	1.2	0.6	Bund (adjacent)
18j	Desilt	395	1.2	0.6	Bund (adjacent)
24a1	Desilt	180	1.2	0.6	Bund (adjacent)
24b1	Desilt	173	1.2	0.6	Bund (adjacent)
24c1	Desilt	54	1.2	0.6	Bund (adjacent)
24d1	Desilt	559	1.2	0.6	Bund (adjacent)
24e1	Desilt	243	1.2	0.6	Bund (adjacent)
27a1	Desilt	623	1.2	0.6	Bund (adjacent)
27b1	Desilt	181	1.2	0.6	Bund (adjacent)
27c1	Desilt	118	1.2	0.6	Bund (adjacent)
19a	Desilt	88	1.2	0.6	Bund (adjacent)
19b	Desilt	34	1.2	0.6	Bund (adjacent)
19c	Desilt	42	1.2	0.6	Bund (adjacent)
19d	Desilt	38	1.2	0.6	Bund (adjacent)

199	19e	Desilt	47	1.2	0.6	Bund (adjacent)
19g         Desilt         318         1.2         0.6         Bund (adjacent)           19h         Desilt         35         1.2         0.6         Bund (adjacent)           19j         Desilt         91         1.2         0.6         Bund (adjacent)           19j         Desilt         275         1.2         0.6         Bund (adjacent)           19k         Desilt         57         1.2         0.6         Bund (adjacent)           19k         Desilt         61         1.2         0.6         Bund (adjacent)           19b         Desilt         61         1.2         0.6         Bund (adjacent)           19l         Desilt         62         1.2         0.6         Bund (adjacent)           19m         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19p         Desilt         34         1.2         0.6         Bund (adjacent)           19p         Desilt         34         1.2         0.6         Bund (adjacent)           19p         Desilt         41         1.2         0.6         Bund						` ` ` `
19h         Desilt         35         1.2         0.6         Bund (adjacent)           19i         Desilt         91         1.2         0.6         Bund (adjacent)           19j         Desilt         275         1.2         0.6         Bund (adjacent)           19k         Desilt         57         1.2         0.6         Bund (adjacent)           81a3         Desilt         61         1.2         0.6         Bund (adjacent)           81b2         Desilt         61         1.2         0.6         Bund (adjacent)           19l         Desilt         62         1.2         0.6         Bund (adjacent)           19m         Desilt         350         1.2         0.6         Bund (adjacent)           19n         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         34         1.2         0.6         Bund (adjacent)           19p         Desilt         34         1.2         0.6         Bund (adjacent)           19p         Desilt         41         1.2         0.6         Bund (adjacent)           19p         Desilt         41         1.2         0.6         Bun						` ,
19i	_					
19j						
19k						
81a3         Desilt         143         1.2         0.6         Bund (adjacent)           81b2         Desilt         61         1.2         0.6         Bund (adjacent)           19I         Desilt         62         1.2         0.6         Bund (adjacent)           19m         Desilt         277         1.2         0.6         Bund (adjacent)           19n         Desilt         38         1.2         0.6         Bund (adjacent)           19p         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         41         1.2         0.6         Bund (adjacent)           19r         Desilt         35         1.2         0.6         Bund (adjacent)           19r         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bu						` ' '
81b2         Desilt         61         1.2         0.6         Bund (adjacent)           191         Desilt         62         1.2         0.6         Bund (adjacent)           19m         Desilt         277         1.2         0.6         Bund (adjacent)           19n         Desilt         88         1.2         0.6         Bund (adjacent)           190         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         41         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         327         1.2         0.6         Bund (adjacent)           24b2         Desilt         153         1.2         0.6						
19I         Desilt         62         1.2         0.6         Bund (adjacent)           19m         Desilt         277         1.2         0.6         Bund (adjacent)           19n         Desilt         388         1.2         0.6         Bund (adjacent)           19o         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           24e2         Desilt         327         1.2         0.6         Bund (adjacent)           24e2         Desilt         153         1.2         0.6 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
19m         Desilt         277         1.2         0.6         Bund (adjacent)           19n         Desilt         88         1.2         0.6         Bund (adjacent)           190         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19p         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         41         1.2         0.6         Bund (adjacent)           19s         Desilt         35         1.2         0.6         Bund (adjacent)           19t         Desilt         36         1.2         0.6         Bund (adjacent)           19u         Desilt         36         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           29u         Desilt         327         1.2         0.6         Bund (adjacent)           24d2         Desilt         201         1.2         0.6         Bu						,
19n         Desilt         88         1.2         0.6         Bund (adjacent)           19o         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           19u         Desilt         327         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         36         1.2         0.6         Bund (adjacent)           24e2         Desilt         153         1.2         0.6         Bun	19m			1.2	0.6	` ' '
190         Desilt         350         1.2         0.6         Bund (adjacent)           19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           29u         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         554         1.2         0.6	19n		88	1.2	0.6	
19p         Desilt         65         1.2         0.6         Bund (adjacent)           19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         327         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24c2         Desilt         554         1.2         0.6         Bund (opposite side)           24c2         Desilt         637         1.2         0.6         Bund (opposite side)           27a2         Desilt         186         1.2						
19q         Desilt         34         1.2         0.6         Bund (adjacent)           19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         327         1.2         0.6         Bund (adjacent)           24b2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         53         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24c2         Desilt         554         1.2         0.6         Bund (opposite side)           24c2         Desilt         554         1.2						` ,
19r         Desilt         51         1.2         0.6         Bund (adjacent)           19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (opposite side)           24a2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24c2         Desilt         554         1.2         0.6         Bund (opposite side)           24d2         Desilt         243         1.2         0.6         Bund (opposite side)           24d2         Desilt         186         1.2         0.6         Bund (opposite side)           27a2         Desilt         186         1.2         0.6         Bund (opposite side)           27b2         Desilt         12		Desilt	34	1.2	0.6	
19s         Desilt         41         1.2         0.6         Bund (adjacent)           19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (opposite side)           24a2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24d2         Desilt         243         1.2         0.6         Bund (opposite side)           24e2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126 <td>19r</td> <td>Desilt</td> <td>51</td> <td>1.2</td> <td>0.6</td> <td></td>	19r	Desilt	51	1.2	0.6	
19t         Desilt         35         1.2         0.6         Bund (adjacent)           19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24d2         Desilt         637         1.2         0.6         Bund (opposite side)           24e2         Desilt         186         1.2         0.6         Bund (opposite side)           27a2         Desilt         186         1.2         0.6         Bund (opposite side)           27b2         Desilt         112         1.2         0.6         Bund (opposite side)           27c2         Desilt         126         1.2         0.6         Bund (opposite side)           81a1         Desilt         12 <td>19s</td> <td>Desilt</td> <td>41</td> <td>1.2</td> <td>0.6</td> <td>,</td>	19s	Desilt	41	1.2	0.6	,
19u         Desilt         86         1.2         0.6         Bund (adjacent)           36a1         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24e2         Desilt         637         1.2         0.6         Bund (opposite side)           27a2         Desilt         186         1.2         0.6         Bund (opposite side)           27b2         Desilt         112         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           81b2         Desilt <td< td=""><td>19t</td><td>Desilt</td><td>35</td><td>1.2</td><td>0.6</td><td></td></td<>	19t	Desilt	35	1.2	0.6	
36a1         Desilt         327         1.2         0.6         Bund (adjacent)           24a2         Desilt         201         1.2         0.6         Bund (opposite side)           24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24e2         Desilt         637         1.2         0.6         Bund (opposite side)           27a2         Desilt         186         1.2         0.6         Bund (opposite side)           27b2         Desilt         112         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         12         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           81b1         Desilt         685         1.2         0.6         Bund (opposite side)           81a2         Desilt         53	19u	Desilt	86	1.2	0.6	
24b2         Desilt         153         1.2         0.6         Bund (opposite side)           24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24e2         Desilt         243         1.2         0.6         Bund (opposite side)           27a2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           81b2         Desilt         685         1.2         0.6         Bund (opposite side)           81b2         Desilt         311         1.2         0.6         Bund (opposite side)           81b2         Desilt	36a1	Desilt	327	1.2	0.6	` ' '
24c2         Desilt         57         1.2         0.6         Bund (opposite side)           24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24e2         Desilt         243         1.2         0.6         Bund (opposite side)           27a2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           81b2         Desilt         685         1.2         0.6         Bund (opposite side)           13g2         Desilt         311         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a2         Desilt	24a2	Desilt	201	1.2	0.6	Bund (opposite side)
24d2         Desilt         554         1.2         0.6         Bund (opposite side)           24e2         Desilt         243         1.2         0.6         Bund (opposite side)           27a2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a2         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           40a2         Desilt         5	24b2	Desilt	153	1.2	0.6	Bund (opposite side)
24e2         Desilt         243         1.2         0.6         Bund (opposite side)           27a2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a2         Desilt         53         1.2         0.6         Bund (opposite side)           13g1         Recast         685         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast	24c2	Desilt	57	1.2	0.6	Bund (opposite side)
27a2         Desilt         637         1.2         0.6         Bund (opposite side)           27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         278	24d2	Desilt	554	1.2	0.6	Bund (opposite side)
27b2         Desilt         186         1.2         0.6         Bund (opposite side)           27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         278	24e2	Desilt	243	1.2	0.6	Bund (opposite side)
27c2         Desilt         112         1.2         0.6         Bund (opposite side)           81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	27a2	Desilt	637	1.2	0.6	Bund (opposite side)
81a1         Desilt         126         1.2         0.6         Bund (opposite side)           81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	27b2	Desilt	186	1.2	0.6	Bund (opposite side)
81b1         Desilt         58         1.2         0.6         Bund (opposite side)           13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	27c2	Desilt	112	1.2	0.6	Bund (opposite side)
13g2         Desilt         685         1.2         0.6         Bund (opposite side)           36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	81a1	Desilt	126	1.2	0.6	Bund (opposite side)
36a2         Desilt         311         1.2         0.6         Bund (opposite side)           40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	81b1	Desilt	58	1.2	0.6	Bund (opposite side)
40a1         Desilt         53         1.2         0.6         Place on track           40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	13g2	Desilt	685	1.2	0.6	Bund (opposite side)
40a2         Desilt         52         1.2         0.6         Place on track           13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	36a2	Desilt	311	1.2	0.6	Bund (opposite side)
13g1         Recast         685         1.2         0.6         Bund (adjacent)           11a         Recast         224         1.2         0.6         Bund (adjacent)           11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	40a1	Desilt	53	1.2	0.6	Place on track
11a       Recast       224       1.2       0.6       Bund (adjacent)         11c1       Recast       250       1.2       0.6       Bund (adjacent)         11e1       Recast       278       1.2       0.6       Bund (adjacent)         11f1       Recast       123       1.2       0.6       Bund (adjacent)	40a2	Desilt	52	1.2	0.6	Place on track
11c1         Recast         250         1.2         0.6         Bund (adjacent)           11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	13g1	Recast	685		0.6	Bund (adjacent)
11e1         Recast         278         1.2         0.6         Bund (adjacent)           11f1         Recast         123         1.2         0.6         Bund (adjacent)	11a	Recast	224	1.2	0.6	
11f1         Recast         123         1.2         0.6         Bund (adjacent)	11c1	Recast	250	1.2	0.6	Bund (adjacent)
` , ,	11e1	Recast	278		0.6	Bund (adjacent)
13f1 Recast 320 1.2 0.6 Bund (adjacent)			123		0.6	,
	13f1	Recast	320	1.2	0.6	Bund (adjacent)

7b	Recast	352	1.2	0.6	Bund (adjacent)
54a	Recast	824	1.2	0.6	Bund (adjacent)
8a2	Recast	750	1.2	0.6	Bund (adjacent)
50b1	Recast	176	1.2	0.6	Bund (adjacent)
13a	Recast	131	1.2	0.6	Bund (opposite side)
13b	Recast	75	1.2	0.6	Bund (opposite side)
13c	Recast	156	1.2	0.6	Bund (opposite side)
13d	Recast	62	1.2	0.6	Bund (opposite side)
13e	Recast	259	1.2	0.6	Bund (opposite side)
13f2	Recast	225	1.2	0.6	Bund (opposite side)
8a1	Recast	756	1.2	0.6	Bund (opposite side)

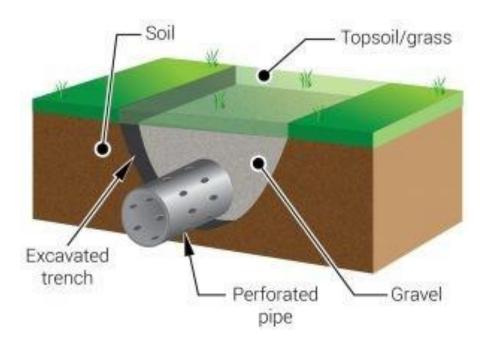


Figure 2 1a.1 French drain design from https://www.engineeringclicks.com/french-drain/



Figure 3 1a.2 Design drawing for culvert repair 1

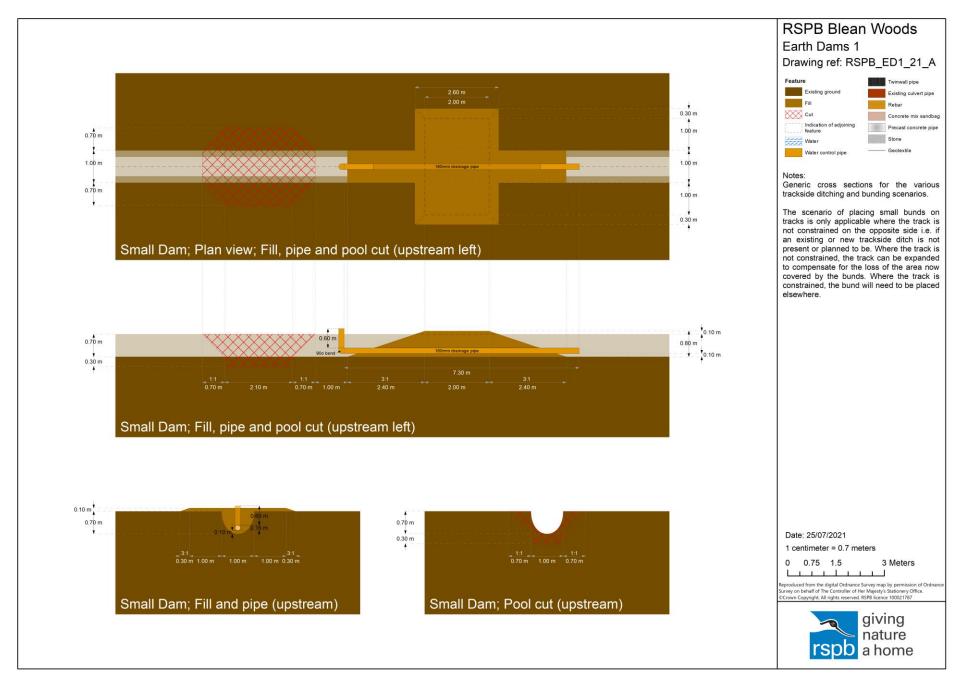


Figure 4 1b.2 Design drawing for RSPB Blean earth dams

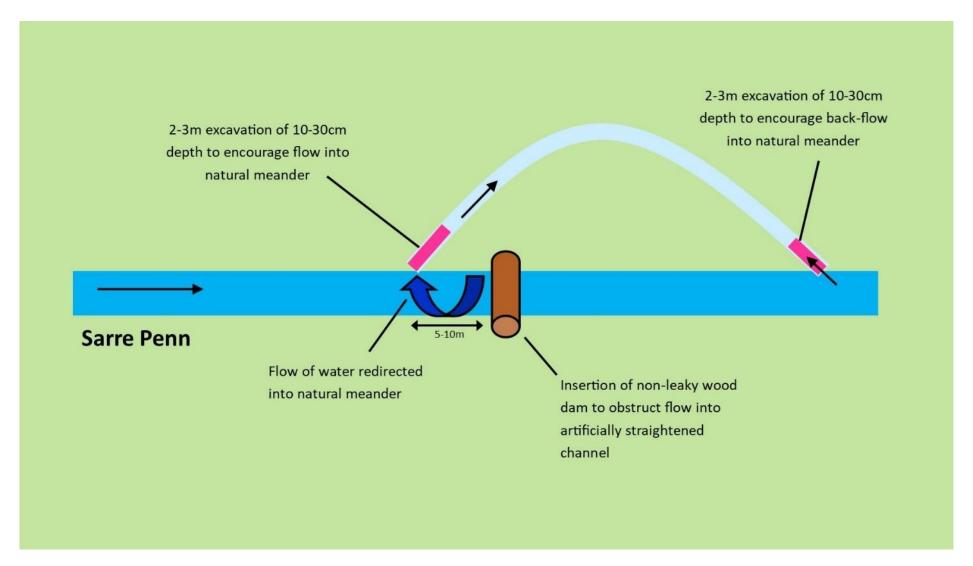


Figure 5 1c Design drawing for Sarre Penn meander restoration