

	BROWNHILL DEFECTS DESCRIPTION	PROPOSED REPAIRS
1	VEGETATION GROWTH	VEGETATION TO BE REMOVED
2	AREA OF OPEN JOINTS, UP TO 10mm WIDE	RAKE OUT AND REPOINT THE OPEN JOINTS
3	1.5M LONG VERTICAL STEP FRACTURE, UP TO 25mm WIDE	FRACTURE TO BE CROSS-STICHED IN ACCORDANCE WITH NETWORK RAIL STANDARD DETAIL DRAWING NR/CIV/SD/108 & 109
4	AREA OF OPEN JOINTS, UP TO 15mm WIDE	RAKE OUT AND REPOINT THE OPEN JOINTS
5	PAINT LOSS AND SURFACE CORROSION TO OUTER WEB (FULL LENGTH)	CLEAN UP, PREPARE AND PAINT GIRDERS
6	CORROSION UP TO 0.5mm, TO OUTER WEB FOR FULL HEIGHT OF DECORATIVE PANEL	CLEAN UP, PREPARE AND PAINT GIRDERS
7	MISSING VERTICAL RAIL	NO REPAIR REQUIRED, GRP PARAPET TO BE ADDED BEHIND THEREFORE SAFE. CAST IRON PARAPET IS FOR AESTHETIC PURPOSES ONLY
8	PAINT LOSS AND SURFACE CORROSION THROUGHOUT IRON PARAPET	PREPARE AND PAINT
9	17X POST SHEARED OFF AT BASE PORTION OF RAILING OVER 6X POSTS LOOSE TO IMPACT	NO REPAIR REQUIRED
10	OPEN JOINTS THROUGH PARAPET AND PILASTER (SOME BEEN REPOINTED)	RAKE OUT AND REPOINT THE OPEN JOINTS
11	PORTION OF STONE CHIPPED OUT	NO REPAIR REQUIRED
12	2M LENGTH OF OPEN JOINTS, UP TO 15mm WIDE AT TOP OF PILASTER	RAKE OUT AND REPOINT THE OPEN JOINTS
13	CRACK ADJACENT TO CAST IRON RAILING INTERFACE	NO REPAIR REQUIRED, MONITOR THE FRACTURE
14	PILASTER AND PARAPET LEANING UP TO 100mm TOWARDS THE HM	OLD STANDING DEFECT DATED 1998, NO REPAIR NEEDED, ONLY MONITOR
15	OVERSAILING OF TOP COURSE AND COPING	NO REPAIR NEEDED, ONLY MONITOR
16	PILASTER LEANING TOWARD HM	NO REPAIR NEEDED, ONLY MONITOR
17	1.5M LENGTH OF OPEN JOINTS UP TO 10mm WIDE	RAKE OUT AND REPOINT THE OPEN JOINTS
18	2M LENGTH OF OPEN JOINTS UP TO 15mm WIDE	RAKE OUT AND REPOINT THE OPEN JOINTS
19	SECTION OF TOP RAIL & PORTION OF VERTICAL POSTS COMPLETELY SHEARED OFF	NO REPAIR REQUIRED, GRP PARAPET TO BE ADDED BEHIND THEREFORE SAFE. CAST IRON PARAPET IS FOR AESTHETIC PURPOSES ONLY
20	PAINT LOSS AND SURFACE CORROSION THROUGHOUT	PREPARE AND PAINT
21	MISSING VERTICAL RAIL	NO REPAIR REQUIRED, GRP PARAPET TO BE ADDED BEHIND THEREFORE SAFE. CAST IRON PARAPET IS FOR AESTHETIC PURPOSES ONLY
22	PORTION OF STONE CHIPPED OUT	NO REPAIR REQUIRED
23	90mm LONG HAIRLINE CRACK	NO REPAIR NEEDED, ONLY MONITOR
24	1.5mm LONG VERTICAL STEP FRACTURE, UP TO 25mm WIDE	FRACTURE TO BE CROSS-STICHED IN ACCORDANCE WITH NETWORK RAIL STANDARD DETAIL DRAWING NR/CIV/SD/109
25	MINOR SAPLING GROWTH THROUGH JOINTS	VEGETATION TO BE REMOVED
26	450mm LENGTH OPEN JOINT, UP TO 30mm WIDE AT LM END	RAKE OUT AND REPOINT THE OPEN JOINTS
27	1m2 OF OPEN JOINTS, UP TO 20mm WIDE AT HM END	RAKE OUT AND REPOINT THE OPEN JOINTS
28	2-3m2 OF WATER STAINING AT BASE OF ABUTMENT	NO REPAIR REQUIRED
29	0.5m2 OF OPEN JOINTS, UP TO 20mm WIDE	RAKE OUT AND REPOINT THE OPEN JOINTS
30	2ms DAMPNESS BELOW	NO REPAIR REQUIRED
31	PAINT LOSS AND CORROSION, UP TO 1mm TO BF OF FIRST GIRDER FROM HM	CLEAN UP, PREPARE AND PAINT GIRDERS
32	CORROSION AND LAMINATION, UP TO 0.5mm TO BF OF SECOND GIRDER FROM HM	CLEAN UP, PREPARE AND PAINT GIRDERS
33	CORROSION AND LAMINATION, UP TO 0.5mm TO BOTH SIDES OF BF OF THIRD GIRDER FROM HM	CLEAN UP, PREPARE AND PAINT GIRDERS
34	PATCHES OF PAINT FLAKING & SURFACE CORROSION TO ALL INS2-IN4 GIRDERS AND FIRST TWO INS5 GIRDERS FROM HM	APPLY PAINT TO BE BS4800 (BATTLESHIP GREY)
35	1mm LOSS AND LAMINATION TO BF OF ALL MAIN GIRDERS	APPLY PAINT TO BE BS4800 (BATTLESHIP GREY)
36	LAMINATION TO SIDE OF BF, UP TO 6mm WIDE AT QUARTER SPAN FROM ES2 ABT1	APPLY PAINT TO BE BS4800 (BATTLESHIP GREY)
37	VOIDS IN CONCRETE INFILL AT INTERFACE WITH MGE1 AND MGE2 TRANSVERSE STIFFENERS	NO REPAIR REQUIRED

- NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - ALL LEVELS IN METERS ABOVE ORDNANCE DATUM.
 - THIS DRAWING IS BASED UPON NETWORK RAIL INFORMATION AND SITE SURVEY UNDERTAKEN BY SYSTRA ON 19/09/20.
 - ALL DIMENSIONS ARE INDICATIVE UNLESS STATED OTHERWISE.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH:-
B92118-BRS-1002 - EXISTING GENERAL ARRANGEMENT SHEET 1 OF 2
B92118-BRS-1003 - EXISTING GENERAL ARRANGEMENT SHEET 2 OF 2
B92118-BRS-1004 - PROPOSED GENERAL ARRANGEMENT SHEET 1 OF 2
B92118-BRS-1005 - PROPOSED GENERAL ARRANGEMENT SHEET 2 OF 2

P01	30/10/20	FIRST ISSUE OF DESIGN REVIEW MEETING	ER	HVD	AGW
REV.	DATE	DESCRIPTIONS OF REVISION	DES	CHKD	APPR
CLIENT					
			Network Rail Square One 4 Travis St Manchester M1 2NY		
CONTRACTOR					
					
CONSULTANT					
					
SECURITY CLASSIFICATION					
STATUS			SUITABILITY		
FOR INFORMATION			S01		
DESIGNED	E. ROBSON		DATE	30/10/2020	
CHECKED	H.V. DANG		DATE	30/10/2020	
APPROVED	A.G. WILKINSON		DATE	30/10/2020	
North West Structures DJH/12					
BROWNHILL EXISTING DEFECTS AND SCHEDULE OF REPAIRS					
SCALES			SURVEY GRID		
As Shown			SD 684 309		
DRAWING NUMBER			REVISION		
B92118-DRG-BRS1003					P01

DO NOT SCALE