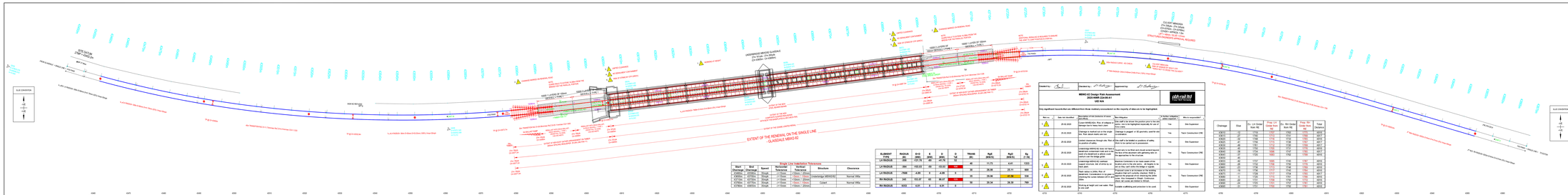

Start Chainage	End Chainage	Speed	Nominal Tolerance	Tolerance Applied	Structure	Cause	Cause Ref
4.000m	4750m	30mph	+/-15mm	+/-15mm	Underbridge MBW2/62	Normal Wear	
4750m	4770m	30mph	+/-15mm	+15mm / -20mm			
4770m	4800m	30mph	+/-15mm	+15mm / -20mm	Culvert	Normal Wear	
4800m	4900m	30mph	+/-15mm	+15mm / -20mm			

Single Line Installation Tolerances

ELEMENT TYPE	RADIUS (R)	D=C (R/R)	D (R/R)	C (R/R)	TWAMB (R)	Rq2 (R/R/S)	Rq3 (R/R/S)	Eq (T/S)
LH REDUCE	-500	-125.00	-50	-75.00	32	40.00	41.01	1000
LH REDUCE	-300	-150.00	-50	-100.00	32	26.00	25.11	900
LH REDUCE	-1000	-4.00	0	-4.00	0	39.36	39.36	500
RH REDUCE	245	103.00	85	18.00	32	39.36	39.36	750
RH REDUCE	4355	4.00	0	4.00	0	39.36	39.36	750

Checked by: Checked by: Approved by:

MBW2-62 Design Risk Assessment
2019-0000-224-00-01
UID N/A

Only significant hazards that are different from those routinely encountered on the majority of sites are to be highlighted.

Ref no.	Date first identified	Description of hazard (including consequences)	Is "active" mitigation in place?	Who is responsible?
1	29.05.2019	Adjacent MBW2-63. Risk of collapsed bridge due to heavy lead plate.	Yes	Site Expeditor
2	29.05.2019	Chainage is marked out on the ballast wall. Risk people stand on top.	Yes	Track Contractor CRB
3	29.05.2019	Locked chainages through site. Risk people stand on top.	Yes	Site Expeditor
4	29.05.2019	Chainage referencing may not be well established consistent (left and right) on the ballast wall due to the curves on the bridge plate.	Yes	Track Contractor CRB
5	29.05.2019	Underbridge MBW2-62 partially collapsed. Risk people fall. Extra to the track plan.	Yes	Site Expeditor
6	29.05.2019	Track slope is 200m. Risk of chainage being incorrect due to chaining the curve because of curve 100m.	Yes	Track Construction CRB
7	29.05.2019	Pinching at weight and river water. Risk people fall.	Yes	Site Expeditor

Chainage	Bloc	Ex. Lin Gradel Grde Tolr	Ex. Bin Gradel Bin-Rd	Prop. Bin Grde Tolr	Prop. Bin Grde Bin-Rd	Track Deviation
4.000	-2	17ft	17ft	17ft	17ft	4000