



- NOTES:**
- Design drawing is based on Google Earth mapping extracted 17 September 2021 and supplementary top survey 3286_T_REV0_3D received 15/07/2022. The design alignment has been based on the top survey where available.
 - All dimensions are in metres unless stated otherwise.
 - Horizontal track alignment is based upon centre line of gauge.
 - Vertical track alignment is based upon low rail.
 - Local design clearance is based upon 0m at start of alignment from the main line.
 - Existing ground levels have been extrapolated from elevation data taken from Google Earth along the line of the proposed horizontal alignment. All quoted levels are indicative only.
 - The normal limiting design values for track gradient for new construction shall be 1 in 80.
 - The exceptional limiting design values for track gradient for new construction shall be: 1 in 50 for sections up to 3 km in length; 1 in 28.8 for sections up to 0.5 km in length where trains are not intended to stop and start in normal operation.
 - Vertical curve limits at 75mph:
Normal: 500m
Maximum (hollow): 352m
Maximum (hump): 285m
Exceptional: 190m



LEGEND:

HORIZONTAL		GENERAL	
—	Proposed design alignment	R	Radius
- - -	Second track shown indicatively (no alignment design undertaken)	L	Length
- · - · -	Indicative railway corridor outside of Salt Cross Garden Village development	TL	Transition length
- · - · -	Railway corridor on structure	Cg	Cant gradient
- · - · -	Railway corridor within cutting / embankment	E	Applied cant
- · - · -	Temporary land corridor for construction (width may be reduced locally)	D	Cant deficiency
- · - · -		RCE	Rate of change of cant
- · - · -		RCD	Rate of change of deficiency
- · - · -		VT	Virtual transition
- · - · -		V	Design speed
- · - · -		L.O.D.	Limit of sight
- · - · -		L.O.R.	Limit of renewal
- · - · -		⤵	Direction of curve
- · - · -		⊘	Tangent point

VERTICAL

- - -	Proposed Low Rail Level
- · - · -	Existing Ground Level (Google Earth Terrain)
- · - · -	Existing Ground Level (Survey 3286_T_REV0_3D)

Rev	Date	Description of Revisions	Drawn	Check	Appr
P01	21/07/2022	First Issue - Extract of DRG-000002_P03			

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**WITNEY OXFORD TRANSPORT GROUP
CARTERTON TO OXFORD RAIL CORRIDOR**

**CASSINGTON TO EYNHAM
FEASIBILITY DRAWING
[Chainage 3000 - 6000m]**

Designed by:	Date:	Drawn by:	Date:
Robert Higgins	21/07/2022	Robert Higgins	21/07/2022
Checked by:	Date:	Approved by:	Date:
Scales:	Horz: 1:2500 Vert: 500	EUR & Mileage	N/A
Alternative Reference:	N/A	Sheet	01 of 01
Drawing Number:	210916-CRL-ETR-DRG-000003	Revision:	P01