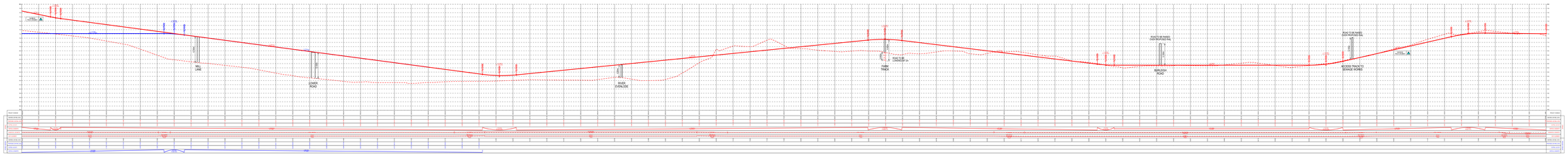
Drawing Number: 210916-CRL-ETR-DRG-000002



NOTES:

1. Design drawing is based on Google Earth mapping extracted 17September 2021.
2. All dimensions are in metres unless stated otherwise.
3. Horizontal track alignment is based upon centre line of gauge.
4. Vertical track alignment is based upon low rail.
5. Local design chainage is based upon 0m at start of alignment from the main line.
6. Existing ground levels have been extrapolated from elevation data taken from Google Earth. Actual ground levels may differ from those shown. All quoted levels are indicative only.
7. The normal limiting design values for track gradient for new construction shall be 1 in 80.
8. The exceptional limiting design values for track gradient for new construction shall be 1 in 40 for sections up to 1.5 km in length and 1 in 28.6 for sections up to 0.5 km in length where trains are not intended to stop and start in normal operation.
9. Vertical curve sub-knits at 75mph:
   Normal: 5000m
   Maximum (Hollow): 3524m
   Maximum (Sump): 3000m
   Exceptional: 1818m

LOCATION

LEGEND:

HORIZONTAL
- Proposed
- Existing
- Removed
- Stack/modified
- 10m Wide Boundary

GENERAL

R	Radius
L	Length
TL	Transition length
Cg	Cant gradient
E	Applied cant
D	Cant deficiency
ROE	Rate of change of cant
ROD	Rate of change of deficiency
V	Design speed
V_r	Design speed
L.O.D.	Limit of dig
L.O.R.	Limit of renewal
∿ ∿	Direction of curve
⌇ ⌇	Tangent point

Rev	Date	Description	Drawn	Chkd	Appr
P02	22/09/2021	Updated to reflect comments	RGM		
P01	17/09/2021	For information	RGM		

Status: FOR INFORMATION

Client:

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Project:

WITNEY OXFORD TRANSPORT GROUP
CARTERTON TO OXFORD RAIL CORRIDOR

Drawing Title:

CASSINGTON TO EYNSHAM OPTIONS 1 &2
FEASIBILITY DRAWING

Designed by:	Date:	Drawn by:	Date:
Rowland Higgins	22/09/2021	Rowland Higgins	22/09/2021
Checked by:	Date:	Approved by:	Date:
Scale(s): Horz: 1:2500 | Vert: 500		E.R.S Metrical	N/A
Alternative Reference: N/A			Sheet: 01 of 02
Drawing Number: 210916-CRL-ETR-DRG-000002			Revision: P02

Sheet Size A1+E (1189x594mm)