

- NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**
- NOTES:**
1. THIS DRAWING IS NOT TO BE SCALED.
 2. ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
 4. WHEREVER REQUIRED, ROAD MARKINGS ARE TO BE LAID IN ACCORDANCE WITH THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS 2016 & TRAFFIC SIGNS MANUAL CHAPTER 5 (2003).
 5. FOR DETAILS OF ROAD MARKINGS, REFER TO STANDARD CONSTRUCTION DETAIL TW5 ROAD MARKINGS FOR COMPOUND ACCESS DRAWING No. 133735_RW-EWR-XX-XX-DR-CH-000122.
 6. WHERE A FENCE IS PROPOSED IT SHALL TIE-IN TO THE EXISTING HEDGEROW OR BOUNDARY TREATMENT TO PROVIDE A SECURE BOUNDARY.



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	19/12/19	FOR INFORMATION				S2



Project
East West Rail (Western Section) Phase 2

Drawing Title
HAUL ROAD CROSSING HRC_4 GENERAL ARRANGEMENT

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	12/12/19
Drawn	Ravikumar KN	Signed	R. KN	Date	10/06/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/12/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/12/19

Scale(s)	1:250	ELR - Project Chainage (Miles/Yards)	OXD -
Design Package Risk Classification	Normal	Sheet	1 of 1
Alternative Reference		Revision	B01
Drawing Number	133735_2A-EWR-OXD-HRC_4-DR-CH-010001		

KEY:

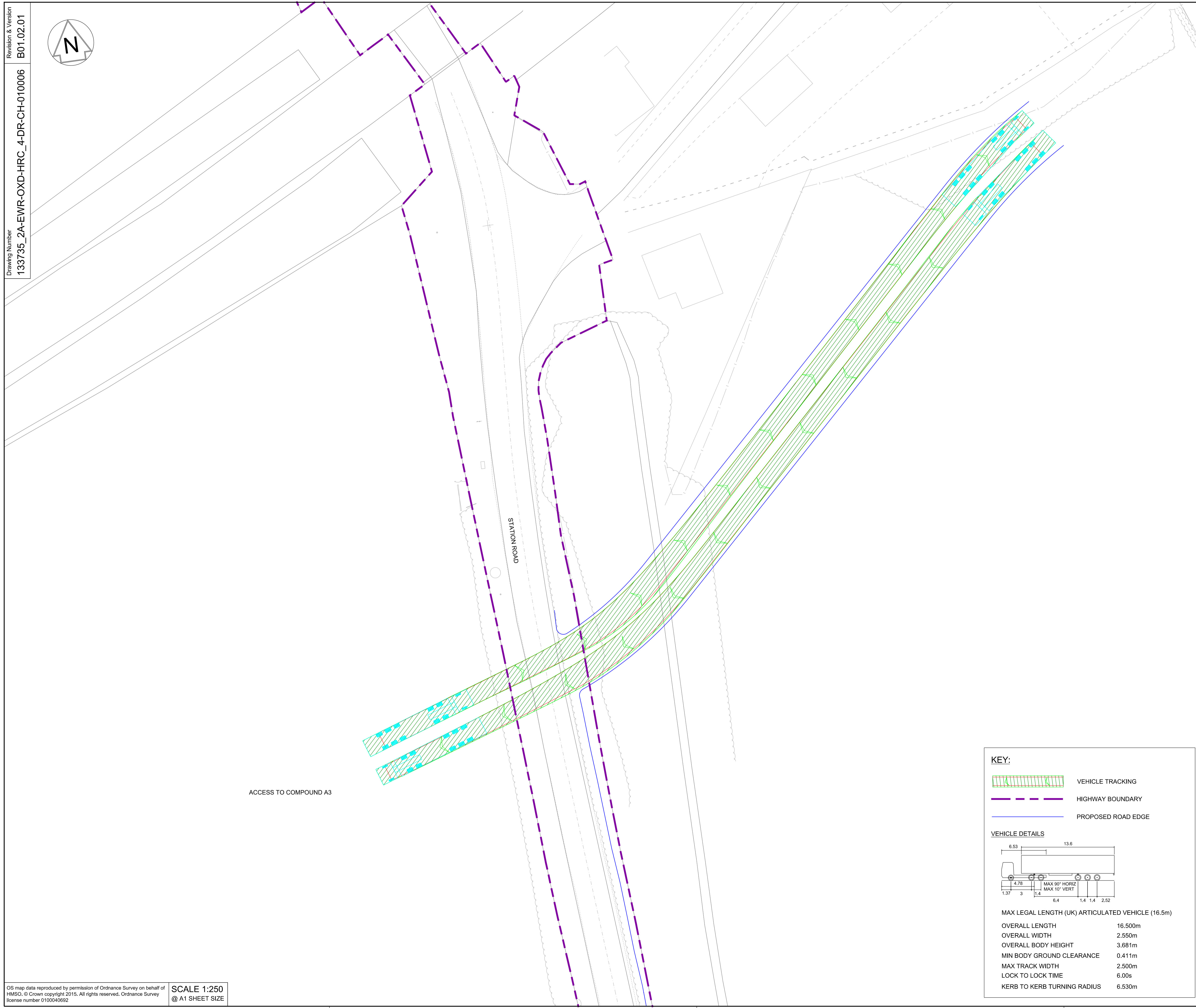
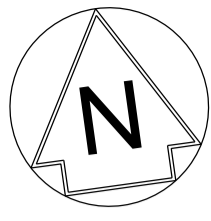
	HIGHWAY BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	PROPOSED DRAINAGE CULVERT
	PROPOSED WHITE ROAD MARKING
	PROPOSED YELLOW ROAD MARKING
	NEW PAVEMENT
	GRASS VERGE
	PROPOSED EARTHWORKS
	PROPOSED DITCH
	PROPOSED TRAFFIC SIGNALS
	PROPOSED POST & WIRE FENCE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

THE WORKS ARE TO BE UNDERTAKEN BY A COMPETENT DELIVERY TEAM, AND THEREFORE ONLY EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW. FOR FURTHER DETAILS AND PROPOSED SAFETY MEASURES REFER "EWR PHASE 2 HAZARD LOG WORKING COPY" EB DOC. REF: 133735-NWR-RSA-SSD-000001.

ID	HAZARD DESCRIPTION
EWR2-HAZ-02512	OVERHEAD LOW VOLTAGE LINE

INDICATES PROJECT RISKS (EWR2-DRIS-)
 INDICATES H&S RISKS (EWR2-HAZ-)



NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)

- NOTES:**
1. THIS DRAWING IS NOT TO BE SCALED.
 2. ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
 3. VEHICLE TRACKING IS UNDERTAKEN WITH COMPUTER MODELLING SOFTWARE AND IS BASED ON IDEAL SITUATIONS WHERE REAL WORLD OBSTRUCTIONS ON THE ROAD NETWORK SUCH AS PARKING OR LOADING ACTIVITY WOULD NOT HAVE BEEN FORESEEN.
 4. THE MODELLING IS BASED IN 2D PLAN WHERE SWEEPED PATHS ARE INFLUENCED BY ANTICIPATED MOVEMENTS AND THEREFORE LEAD TO IDEAL APPROACH ANGLES, WHICH MIGHT NOT BE OBVIOUS IN REALITY.
 5. APPROACH SPEEDS, APPROACH ANGLES, ROAD SURFACE, WEATHER CONDITIONS AND TYRE WEAR ARE ALL FACTORS THAT WILL INFLUENCE VEHICLE PATHS.



Rev	Date	Description of Revisions	Desd	Chkd	Appr
B01	30/10/19	WIP - DESIGN	--	--	--

WIP - Design S0



East West Rail (Western Section) Phase 2

HAUL ROAD CROSSING HRC_4 VEHICLE SWEEPED PATH ANALYSIS

Designed	---	Signed	---	Date	---
Drawn	Ravikumar KN	Signed	R. KN	Date	10/06/19
Checked	---	Signed	---	Date	---
Approved	---	Signed	---	Date	---

Scale(s)	1:250	ELR - Project Chainage (Miles Yards)	OXD -
Design Package Risk Classification	Normal		Sheet 1 of 1
Alternative Reference			Revision B01

Drawing Number
133735_2A-EWR-OXD-HRC_4-DR-CH-010006

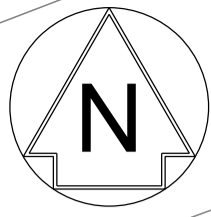
KEY:

- VEHICLE TRACKING
- HIGHWAY BOUNDARY
- PROPOSED ROAD EDGE

VEHICLE DETAILS

MAX LEGAL LENGTH (UK) ARTICULATED VEHICLE (16.5m)

OVERALL LENGTH	16.500m
OVERALL WIDTH	2.550m
OVERALL BODY HEIGHT	3.681m
MIN BODY GROUND CLEARANCE	0.411m
MAX TRACK WIDTH	2.500m
LOCK TO LOCK TIME	6.00s
KERB TO KERB TURNING RADIUS	6.530m



ACCESS TO COMPOUND A3

SEE NOTE 5

STATION ROAD

NETWORK RAIL (EAST WEST)
 RAIL WESTERN SECTION PHASE 2

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 3. THE SITE TEAM NEEDS TO ASCERTAIN THE REQUIRED CLEARANCE BASED ON THE VISIBILITY SPLAY INTERVISIBILITY ZONE AND OR WORKS REQUIRED FOR THIS SITE.
 4. WHEREVER REQUIRED, ROAD MARKINGS ARE TO BE LAID IN ACCORDANCE WITH THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS 2016 & TRAFFIC SIGNS MANUAL CHAPTER 5 (2003).
 5. JUNCTION INTERVISIBILITY ZONE AS PER DMRB TD 50.



Rev	Date	Description of Revisions	Desd	Chkd	Appr
B01	30/10/19	WIP - DESIGN	--	--	--
Status		WIP - Design			S0



Project
 East West Rail
 (Western Section)
 Phase 2

Drawing Title
 HAUL ROAD CROSSING HRC_4
 INTERVISIBILITY SPLAY

Designed	---	Signed	---	Date	---
Drawn	Ravikumar KN	Signed	R. KN	Date	10/06/19
Checked	---	Signed	---	Date	---
Approved	---	Signed	---	Date	---

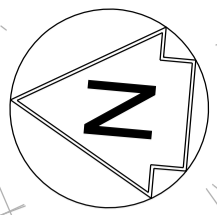
Scale(s)	1:250	ELR - Project Chainage (Miles Yards)	OXD -
Design Package Risk Classification	Normal	Sheet	1 of 1
Alternative Reference		Revision	B01

Drawing Number
 133735_2A-EWR-OXD-HRC_4-DR-CH-010007

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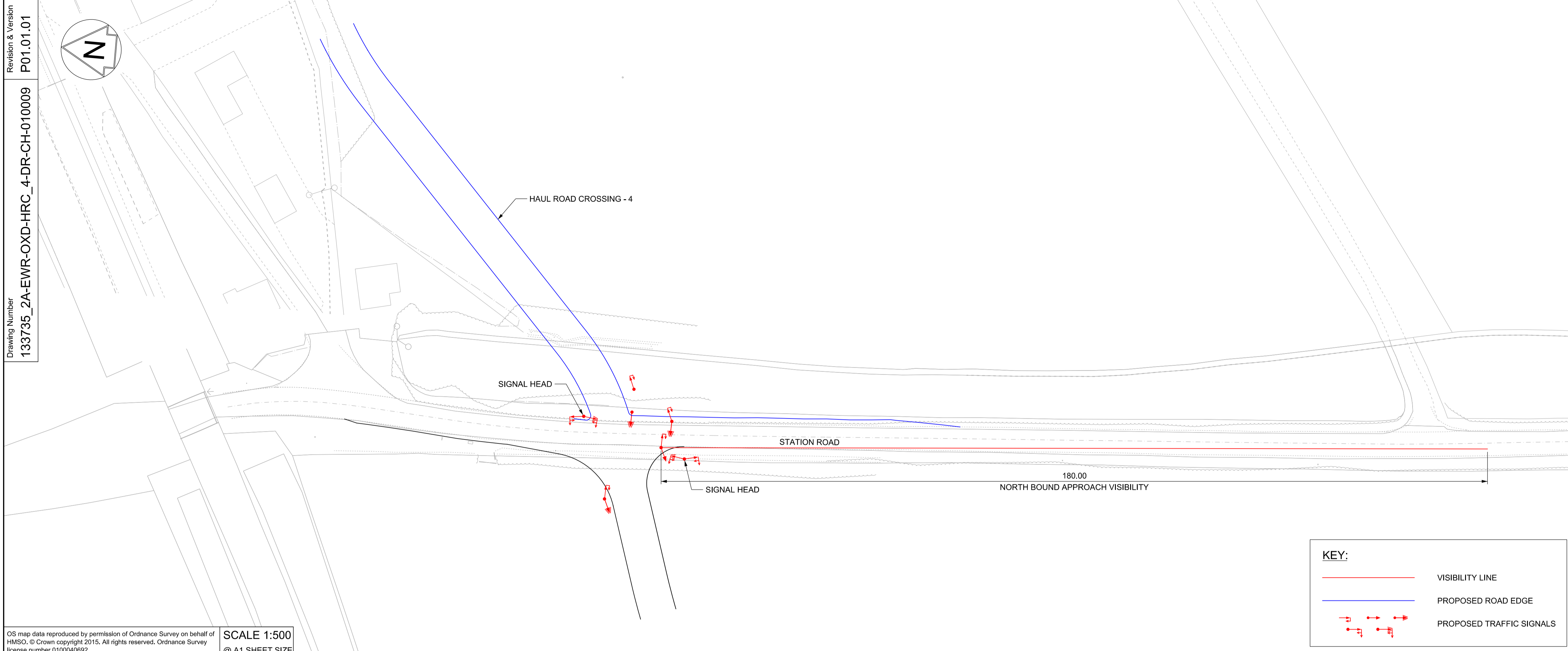
- INTERVISIBILITY ZONE
- HIGHWAY BOUNDARY
- PROPOSED ROAD EDGE
- PROPOSED WHITE ROAD MARKING
- PROPOSED YELLOW ROAD MARKING
- PROPOSED TRAFFIC SIGNALS

Revision & Version
 P01.01.01
 Drawing Number
 133735_2A-EWR-OXD-HRC_4-DR-CH-010009



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SCALE 1:500
 @ A1 SHEET SIZE



KEY:

- VISIBILITY LINE
- PROPOSED ROAD EDGE
- PROPOSED TRAFFIC SIGNALS



VISIBILITY ENVELOPE ON NORTH BOUND
 APPROACH TO SIGNAL HEAD 180.00m

KEY:

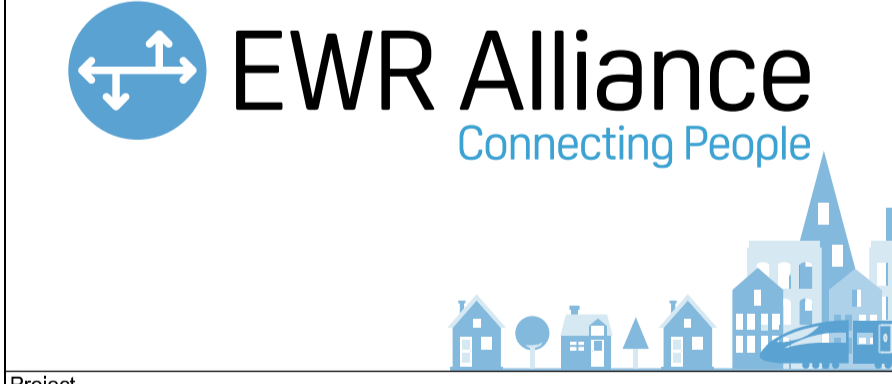
- VISIBILITY ENVELOPE
- - - EXISTING GROUND PROFILE

SCALE H - 1:100
 V - 1:10
 @ A1 SHEET SIZE

- NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**
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 - THE VISIBILITY ENVELOPE DEVELOPED IS AS PER DMRB TD50.



Rev	Date	Description of Revisions	Desd	Chkd	Appr
P01	14/11/19	WIP - DESIGN	--	--	--
Status					S0



Project
**East West Rail
 (Western Section)
 Phase 2**

Drawing Title
**HAUL ROAD CROSSING HRC_4
 SIGNAL HEADS VISIBILITY**

Designed	---	Signed	---	Date	---
Drawn	Ravikumar KN	Signed	R. KN	Date	14/11/19
Checked	---	Signed	---	Date	---
Approved	---	Signed	---	Date	---

Scale(s)
 AS SHOWN

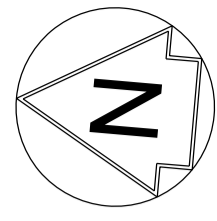
Design Package Risk Classification
Normal

Alternative Reference

Drawing Number
 133735_2A-EWR-OXD-HRC_4-DR-CH-010009

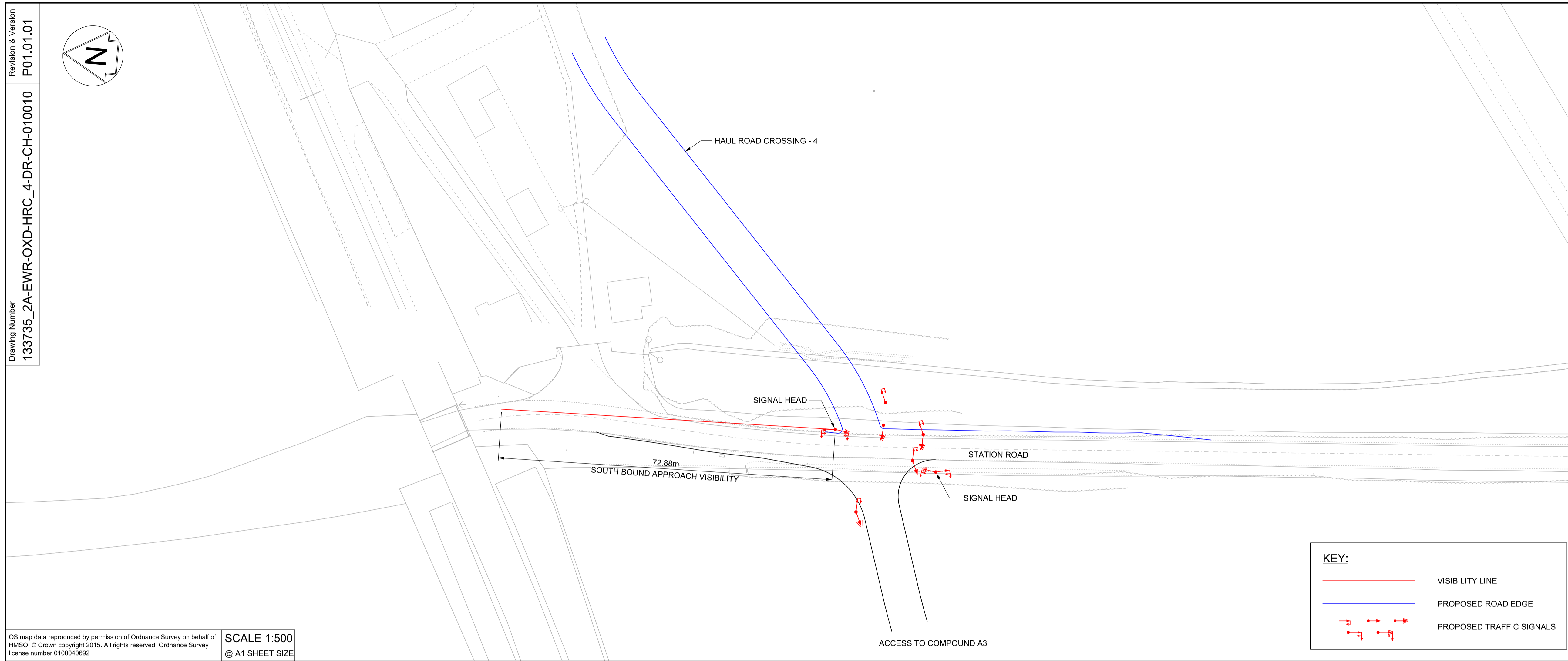
Sheet
 1 of 2

Revision
 P01



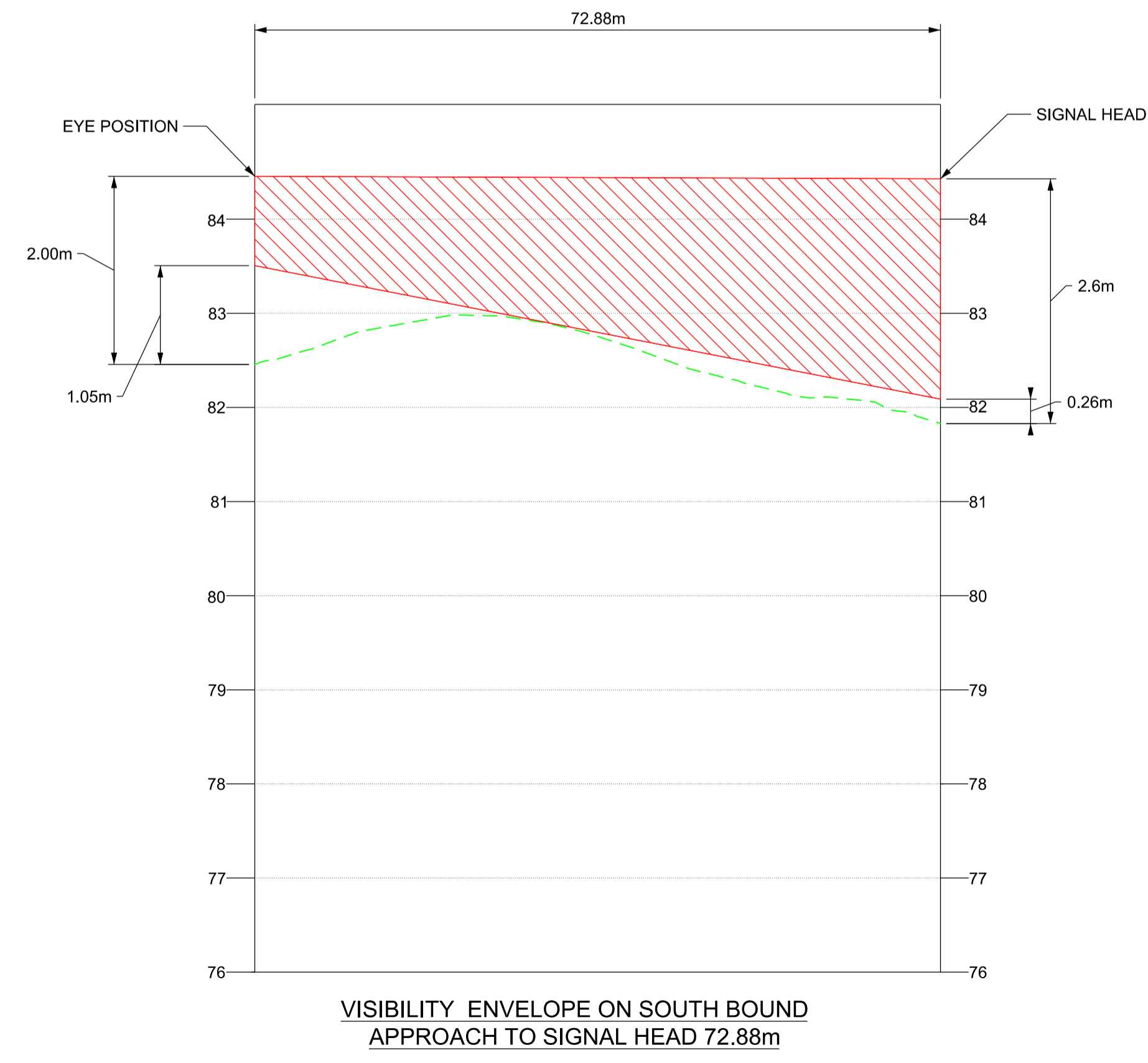
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SCALE 1:500
 @ A1 SHEET SIZE



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SCALE H - 1:100
 V - 1:10
 @ A1 SHEET SIZE



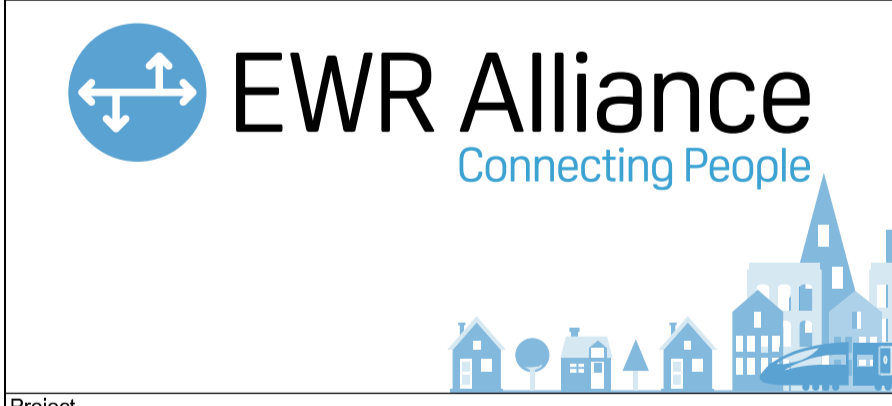
VISIBILITY ENVELOPE ON SOUTH BOUND APPROACH TO SIGNAL HEAD 72.88m

KEY:

- VISIBILITY ENVELOPE
- EXISTING GROUND PROFILE



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
P01	14/11/19	WIP - DESIGN	--	--	--	S0



Project
East West Rail (Western Section) Phase 2

Drawing Title
HAUL ROAD CROSSING HRC_4 SIGNAL HEADS VISIBILITY

Designed	---	Signed	---	Date	---
Drawn	Ravikumar KN	Signed	R. KN	Date	14/11/19
Checked	---	Signed	---	Date	---
Approved	---	Signed	---	Date	---

Scale(s)	AS SHOWN	ELR - Project Chainage (Miles Yards)	OXD -
Design Package Risk Classification	Normal		Sheet 2 of 2
Alternative Reference	Revision P01		Drawing Number 133735_2A-EWR-OXD-HRC_4-DR-CH-010010