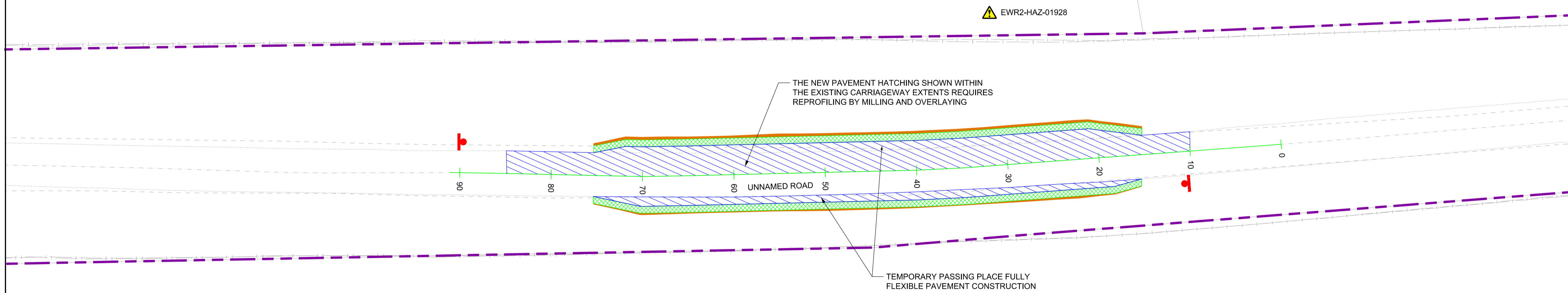


NETWORK RAIL (EAST WEST  
RAIL WESTERN SECTION PHASE 2)

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).



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	23/09/19	FOR INFORMATION				S2



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

Drawing Title  
**PASSING PLACE A3\_P\_1  
GENERAL ARRANGEMENT**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	06/09/19
Drawn	Ravikumar KN	Signed	R. KN	Date	22/01/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/09/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/09/19

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-A3_P_1-DR-CH-010001		

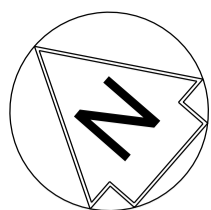
**KEY:**

	HIGHWAY BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	NEW PAVEMENT
	GRASS VERGE
	PROPOSED EARTHWORKS
	PROPOSED TRAFFIC SIGN

**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-01928	PRESENCE OF BURIED SERVICES/ UTILITIES

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. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
4. THE EXACT LOCATION AND EXTENT OF BURIED SERVICES SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS. AGREEMENT WITH PRIVATE LAND OWNERS SHALL BE OBTAINED PRIOR TO WORKS WHERE ACCESS TO PRIVATE LAND IS REQUIRED.
5. THIS DRAWING SHOWS THE POSITION OF UTILITY COMPANIES APPARATUS KNOWN TO OPERATE IN THE AREA IMMEDIATELY ADJACENT TO AND WITHIN THE LAND TAKE BOUNDARY FOR EAST WEST RAIL.
6. THE POSITIONS INDICATED FOR THE APPARATUS ARE BASED ON RECORDS PROVIDED BY NETWORK RAIL. THE ACCURACY OF THE DRAWING IS THEREFORE LIMITED BY THE ACCURACY OF THE RECORDS MAINTAINED BY THE UTILITY COMPANIES. THE METHODS AVAILABLE TO PROCESS / REPRODUCE THIS INFORMATION IN THE DRAWINGS AND THE AGE OF THE INFORMATION. THERE IS THE POSSIBILITY THAT APPARATUS HAS BEEN ADDED OR REMOVED SINCE THE RECORDS WERE PROVIDED.
7. ALL SEARCHES MUST BE VERIFIED AND ESTABLISHED ON SITE BEFORE WORK COMMENCES. IT IS THE RESPONSIBILITY OF THE EWR ALLIANCE TO IDENTIFY AND LOCATE UTILITY PLANT PRIOR TO WORK GOING AHEAD.
8. PRIOR TO THE COMMENCEMENT OF WORKS, A SUITABLY QUALIFIED ECOLOGIST SHALL INSPECT THE SITE FOR THE PRESENCE OF PROTECTED SPECIES AND HABITAT. THE ECOLOGIST SHALL THEN ADVISE EWR ALLIANCE ON THE REQUIRED PRECAUTIONARY METHODS AND AREAS OF EXCLUSION.
9. WHERE SITE CLEARANCE WORKS HAVE THE POTENTIAL TO IMPACT TREES OR HEDGES WHICH ARE TO BE RETAINED, AN ARBORICULTURIST SHALL BE PRESENT TO ADVISE ON ROOT PROTECTION ZONE EXTENTS, ROOT PRUNING AND CROWN RAISING. WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS3998:2010.
10. SITE CLEARANCE, WHERE THERE IS PROXIMITY TO HABITAT OF PROTECTED SPECIES, SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A SUITABLY QUALIFIED ECOLOGIST.
11. THE EXTENTS OF ALL SITE CLEARANCE WORKS SHALL BE RECORDED IN THE AS-BUILT SITE CLEARANCE DRAWINGS AND SHALL ALSO BE RECORDED, WITH PHOTOGRAPHS OF FEATURES PRIOR TO REMOVAL, IN THE SITE CLEARANCE REGISTER. THE SITE CLEARANCE REGISTER SHALL BE MAINTAINED BY EWR ALLIANCE AND WILL INFORM REINSTATEMENT DETERMINATION.
12. IN LOCATIONS WHERE EXISTING TREES OVERHANG THE PASSING PLACE CROWN LIFTING, TO GIVE 5m CLEARANCE ABOVE GROUND LEVEL, SHALL BE UNDERTAKEN TO THE BACK OF THE PROPOSED VERGE. THIS SHALL BE UNDERTAKEN UNDER THE SUPERVISION OF AN ARBORICULTURIST.
13. FOR CLARITY ONLY THE TRUNKS OF EXISTING TREES ARE SHOWN, FOR CANOPY EXTENTS THE TREE SURVEY MODEL AND MASTER SCHEDULE ARE TO BE REFERRED TO.

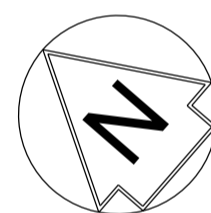
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SCALE 1:250  
@ A1 SHEET SIZE

EXISTING UTILITIES

**KEY:**

- HIGHWAY BOUNDARY
- PROPOSED ROAD EDGE
- NEW PAVEMENT
- GRASS VERGE
- PROPOSED EARTHWORKS
- THAMES WATER SUPPLY



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	23/09/19	FOR INFORMATION				S2



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

Drawing Title  
**PASSING PLACE A3\_P\_1  
EXISTING UTILITIES AND  
SITE CLEARANCE**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	06/09/19
Drawn	Ravikumar KN	Signed	R. KN	Date	22/01/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/09/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/09/19

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

Drawing Number  
133735\_2A-EWR-OXD-A3\_P\_1-DR-CH-010002

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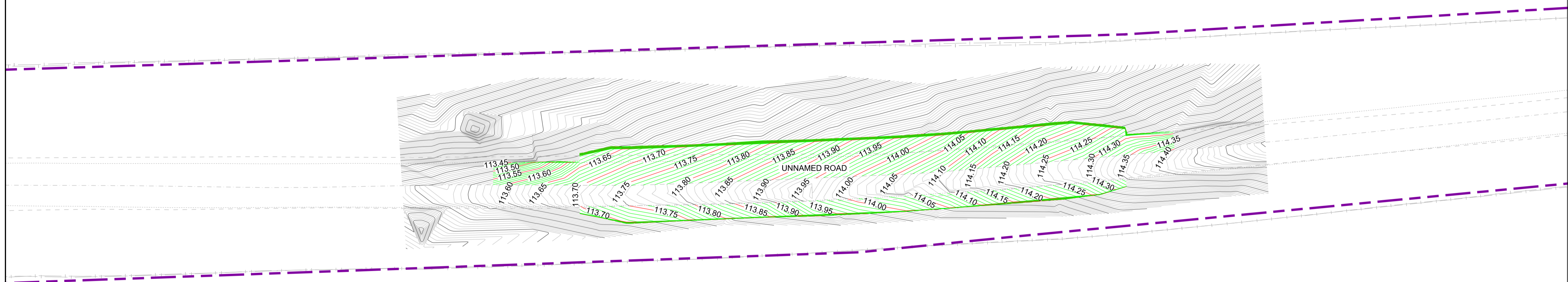
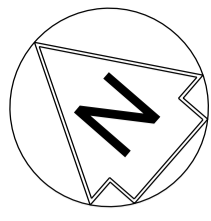
SCALE 1:250  
@ A1 SHEET SIZE

SITE CLEARANCE

**KEY:**

- HIGHWAY BOUNDARY
- PROPOSED ROAD EDGE
- NEW PAVEMENT
- GRASS VERGE
- PROPOSED EARTHWORKS

	RETAINED	REMOVE / RELOCATE	DESCRIPTION
		NONE	LANDSCAPE PLANTED AREA
		NONE	TREE TRUNK
		NONE	FENCE



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.



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	23/09/19	FOR INFORMATION				S2



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

Drawing Title  
**PASSING PLACE A3\_P\_1  
EXISTING AND PROPOSED  
CONTOURS**

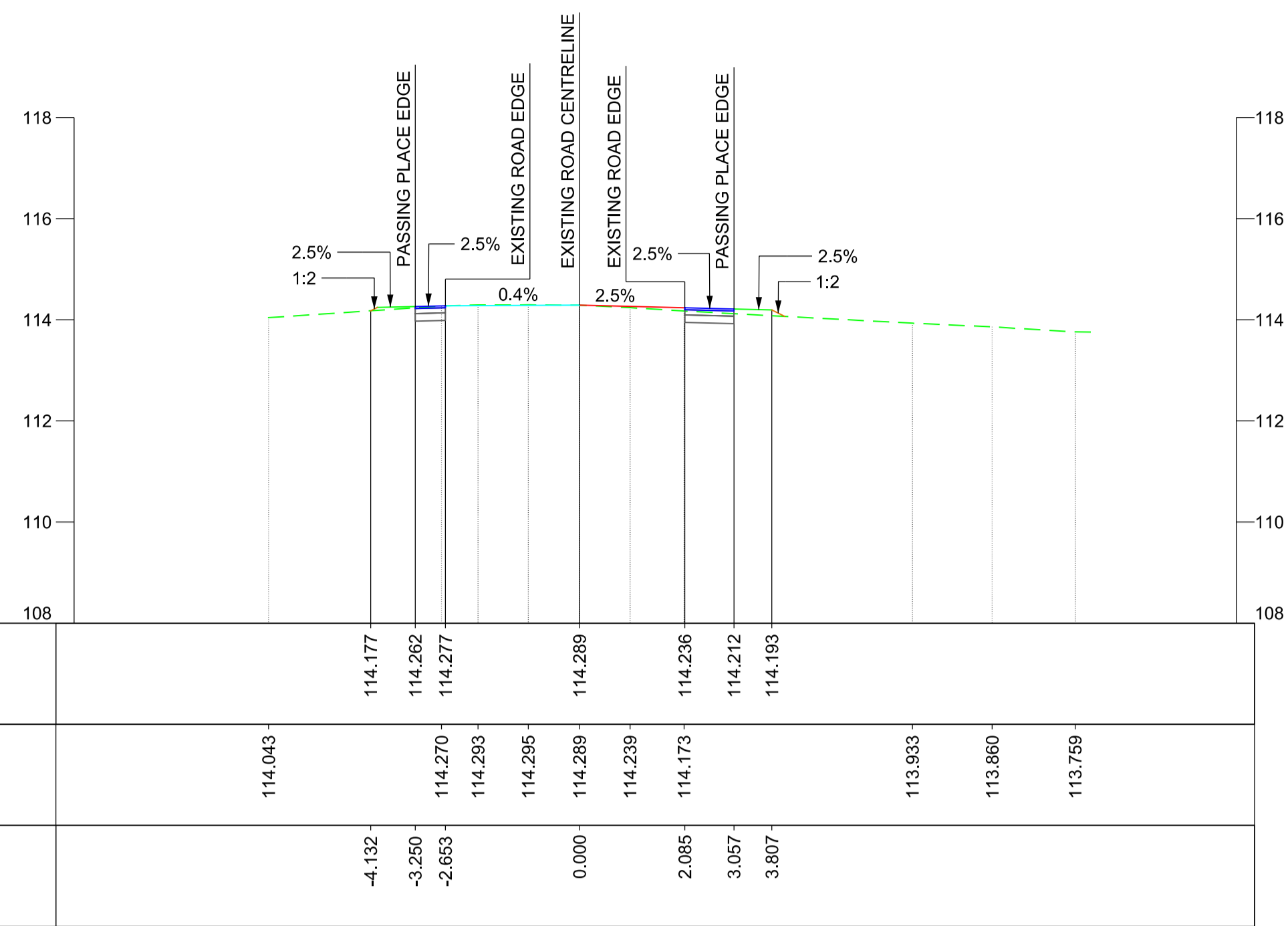
Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	06/09/19
Drawn	Ravikumar KN	Signed	R. KN	Date	22/01/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/09/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/09/19

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

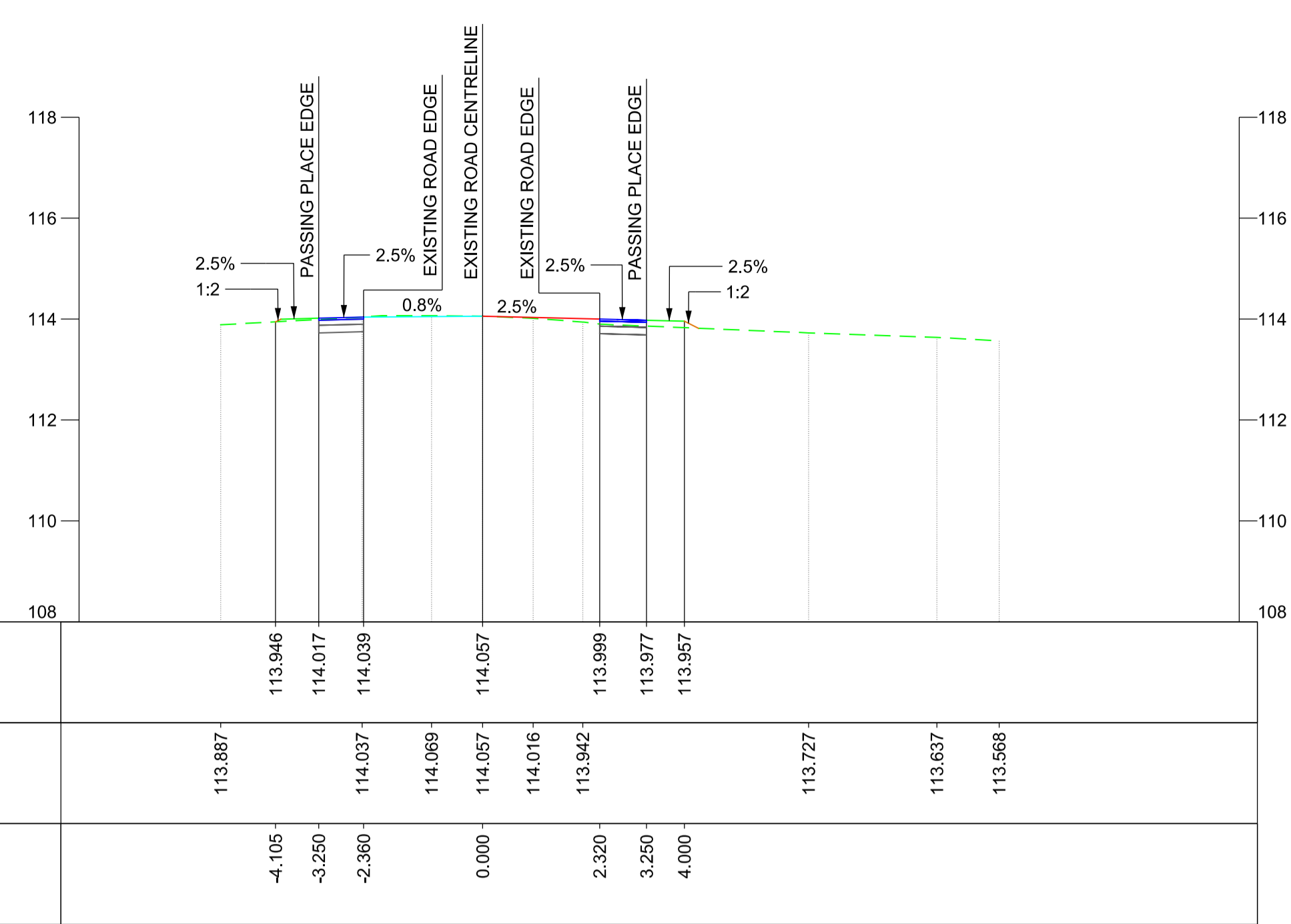
Drawing Number  
133735\_2A-EWR-OXD-A3\_P\_1-DR-CH-010003

**KEY:**

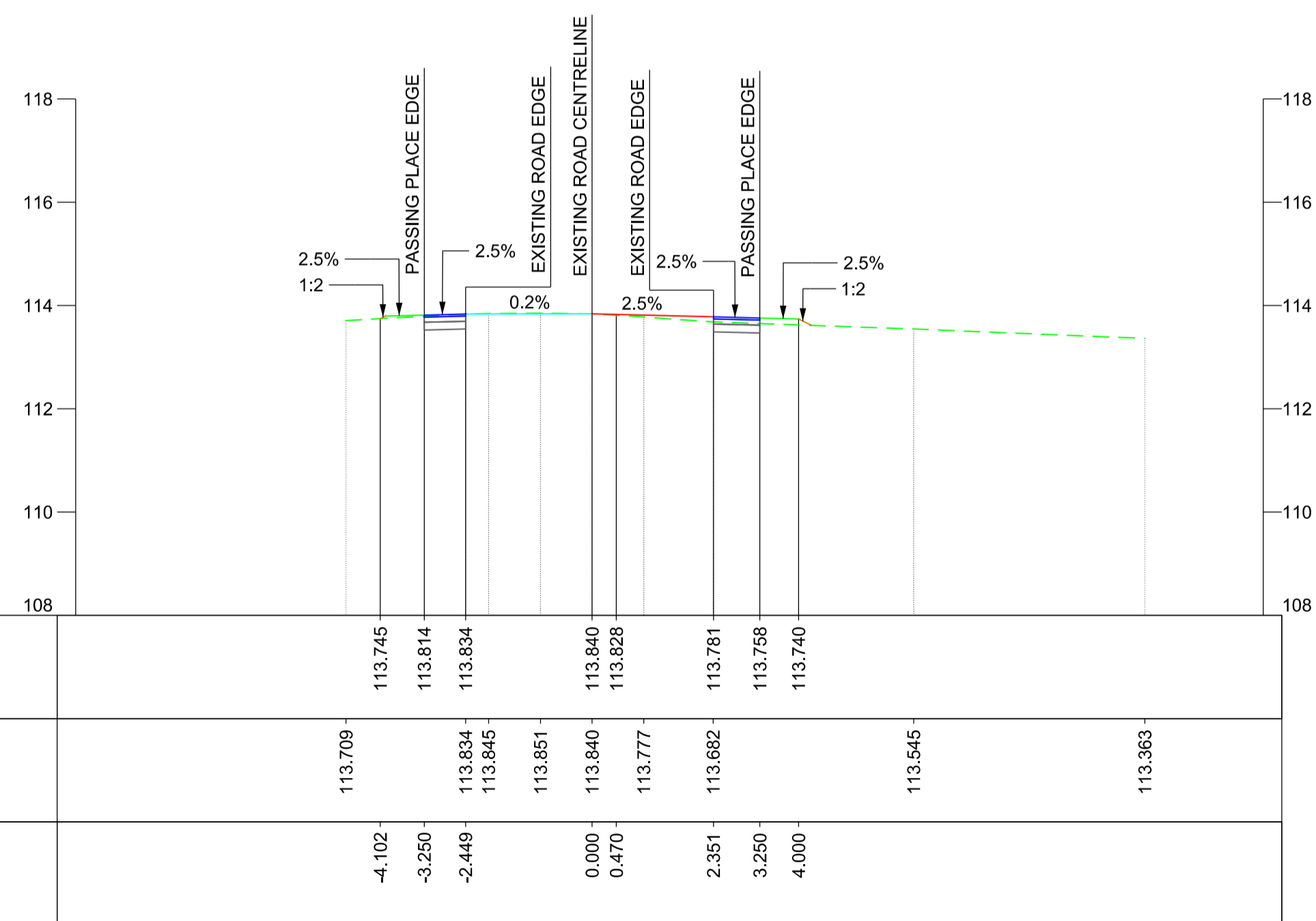
	HIGHWAY BOUNDARY
	EXISTING CONTOUR MAJOR @ 0.05m INTERVALS
	EXISTING CONTOUR MINOR @ 0.01m INTERVALS
	PROPOSED CONTOUR MAJOR @ 0.05m INTERVALS
	PROPOSED CONTOUR MINOR @ 0.01m INTERVALS



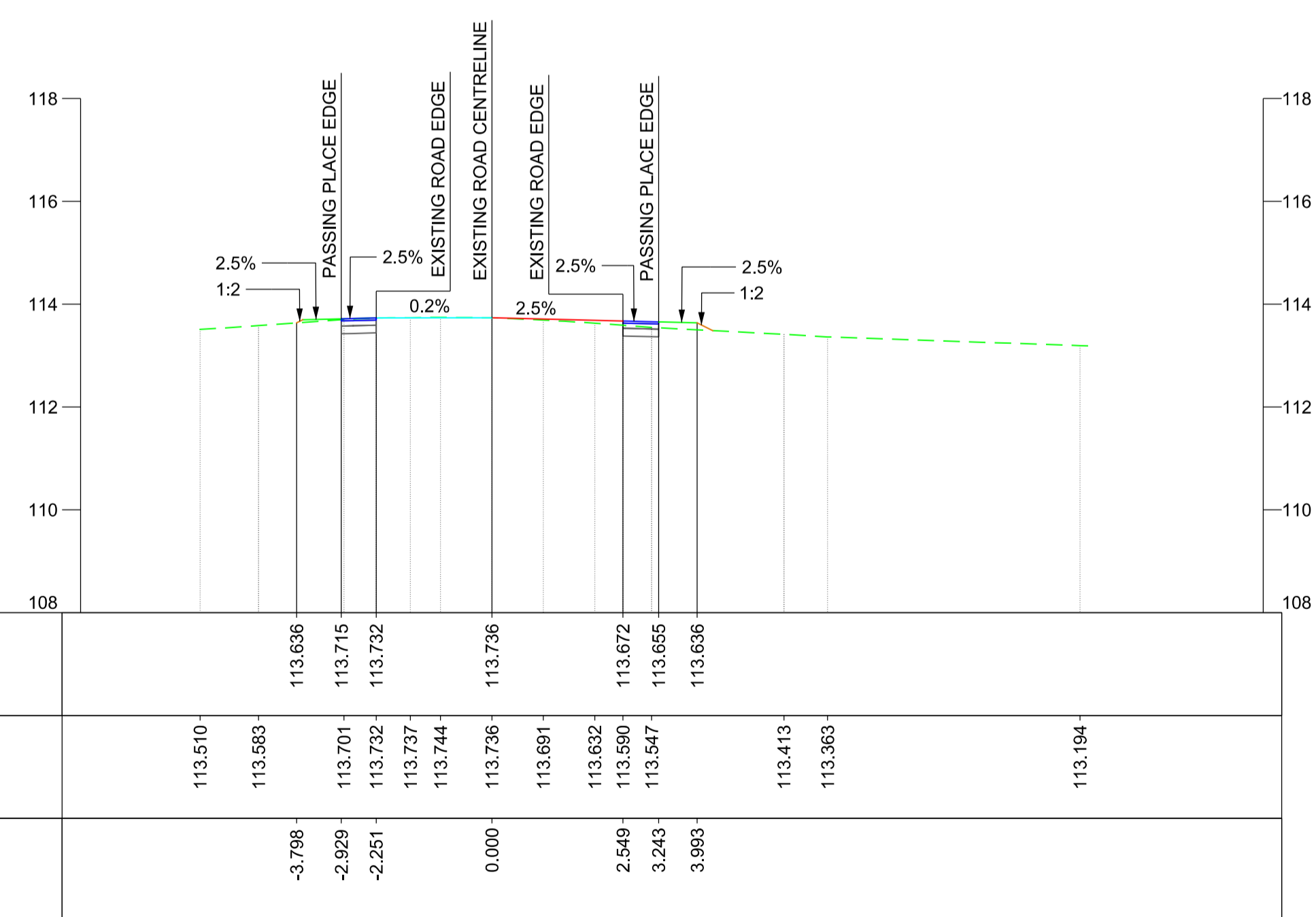
CHAINAGE - 20.0000



CHAINAGE - 40.0000



CHAINAGE - 60.0000



CHAINAGE - 72.0000

**KEY:**

- EXISTING GROUND
- EXISTING CARRIAGEWAY
- PROPOSED CARRIAGEWAY
- PROPOSED ROAD PAVEMENT
- PROPOSED GRASS VERGE
- PROPOSED EARTHWORKS
- REPROFILING BY MILLING AND OVERLAYING

SCALE H - 1:1000  
V - 1:100  
@ A1 SHEET SIZE

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. CHAINAGES SHOWN ON THIS DRAWING ARE ALONG THE ROAD CENTRELINE AS SEEN ON GENERAL ARRANGEMENT DRAWING.



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	23/09/19	FOR INFORMATION				S2



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

Drawing Title  
**PASSING PLACE A3\_P\_1 CROSS-SECTIONS**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	06/09/19
Drawn	Ravikumar KN	Signed	R. KN	Date	22/01/19
Checked	Lisa Taylor	Signed	L. Taylor	Date	12/09/19
Approved	Stephen Abe	Signed	S. Abe	Date	12/09/19

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

Drawing Number  
133735\_2A-EWR-OXD-A3\_P\_1-DR-CH-030001