

TEMPORARY PASSING PLACE FULLY FLEXIBLE PAVEMENT CONSTRUCTION

 **DRAFT**

Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1



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

Drawing Title  
**PASSING PLACE A2\_P\_15  
 GENERAL ARRANGEMENT**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	21/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)  
 1:250 (ELR - Project Chainage (Miles Yards))










Design Package Risk Classification  
**Normal**

Alternative Reference  
 B01

Drawing Number  
 133735\_2A-EWR-OXD-A2\_P\_15-DR-CH-010001

Sheet  
 1 of 1



**KEY:**

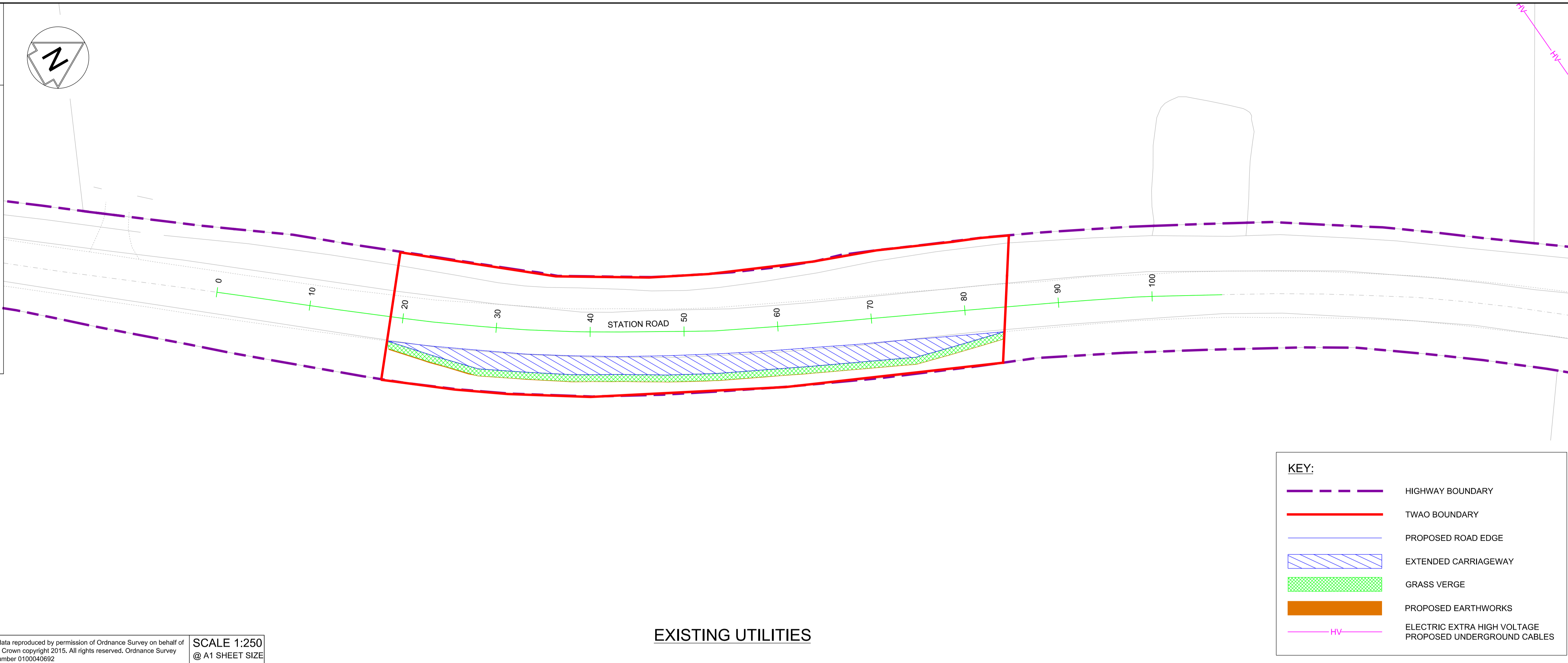
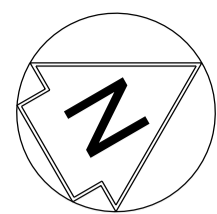
	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	PROPOSED TRAFFIC SIGN
	PROPOSED POST & WIRE FENCE

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

THE WORKS ARE TO BE UNDERTAKEN BY A COMPETENT CONTRACTOR, 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
NONE	NONE

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



**EXISTING UTILITIES**

**KEY:**

	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	PROPOSED ROAD EDGE
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	ELECTRIC EXTRA HIGH VOLTAGE PROPOSED UNDERGROUND CABLES

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SCALE 1:250  
@ A1 SHEET SIZE

**NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**

- NOTES:**
- THIS DRAWING IS NOT TO BE SCALED.
  - ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - WHERE SITE CLEARANCE WORKS HAVE THE POTENTIAL TO IMPACT TREES OR HEDGES WHICH ARE TO BE RETAINED, AN ARBORICULTURALIST 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.
  - SITE CLEARANCE, WHERE THERE IS PROXIMITY TO HABITAT OF PROTECTED SPECIES, SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A SUITABLY QUALIFIED ECOLOGIST.
  - 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.
  - 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.
  - THE VEGETATION CLEARANCE SHOWN HERE ON THE DRAWING IS INDICATIVE ONLY. THE SITE TEAM NEEDS TO ASCERTAIN THE REQUIRED CLEARANCE BASED ON THE VISIBILITY SPLAY, INTERVISIBILITY ZONE AND OR WORKS REQUIRED FOR THIS SITE.
  - 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.

Rev	Date	Description of Revisions	Dsmd	Chkd	Appr
B01	17/05/19	FOR CHECK			

Status: **SHARED - for Content Check** Suitability: **S1**

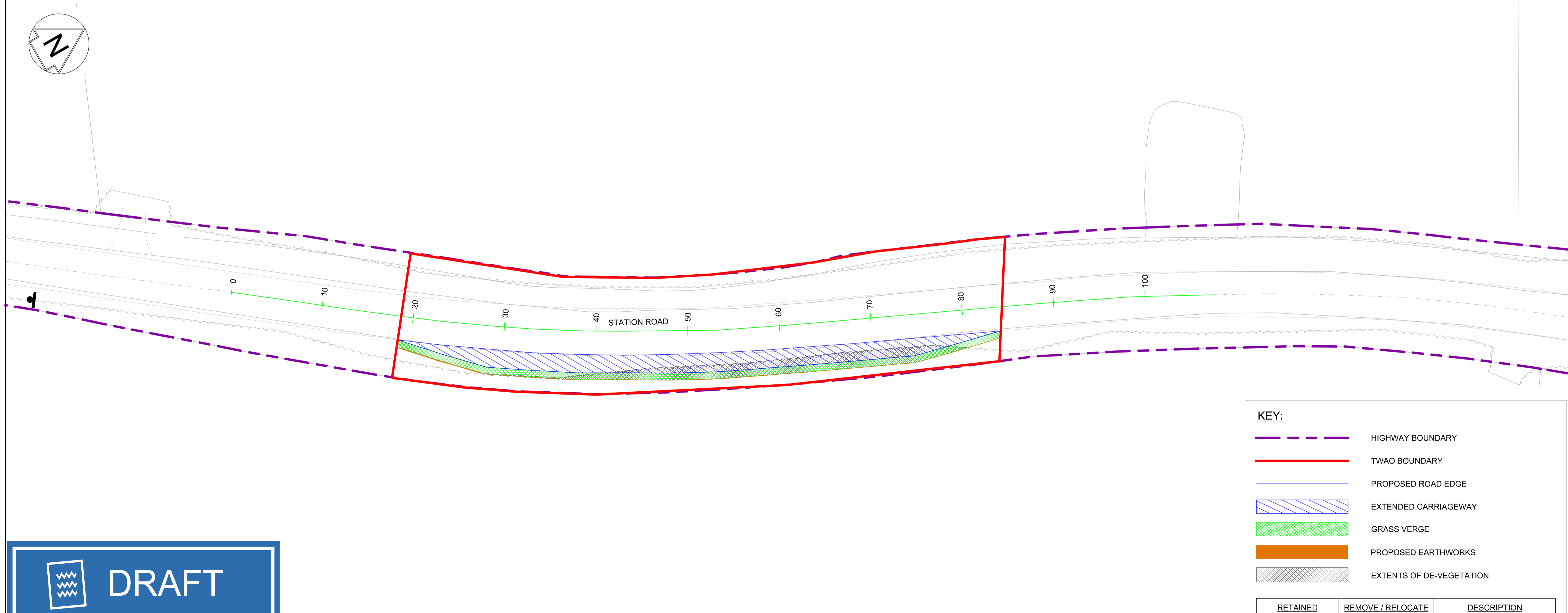


Project  
**East West Rail (Western Section) Phase 2**

Drawing Title  
**PASSING PLACE A2\_P\_15 EXISTING UTILITIES AND SITE CLEARANCE**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	21/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)  
1:250  
Design Package Risk Classification  
**Normal**  
Alternative Reference  
Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_15-DR-CH-010002



**SITE CLEARANCE**

**KEY:**

	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	PROPOSED ROAD EDGE
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	EXTENTS OF DE-VEGETATION

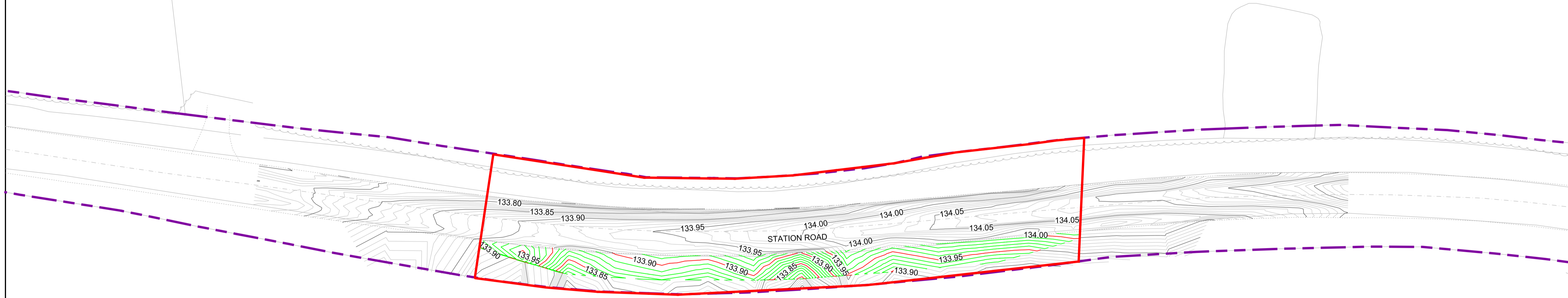
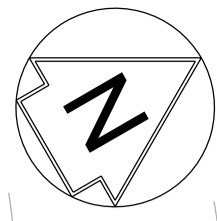
RETAINED	REMOVE / RELOCATE	DESCRIPTION
	NONE	TRAFFIC SIGN

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SCALE 1:250  
@ 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.



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				
						N.T.
						N.R.
						E.F.
SHARED - for Content Check						S1



Project  
 East West Rail  
 (Western Section)  
 Phase 2

Drawing Title  
 PASSING PLACE A2\_P\_15  
 EXISTING AND PROPOSED  
 CONTOURS

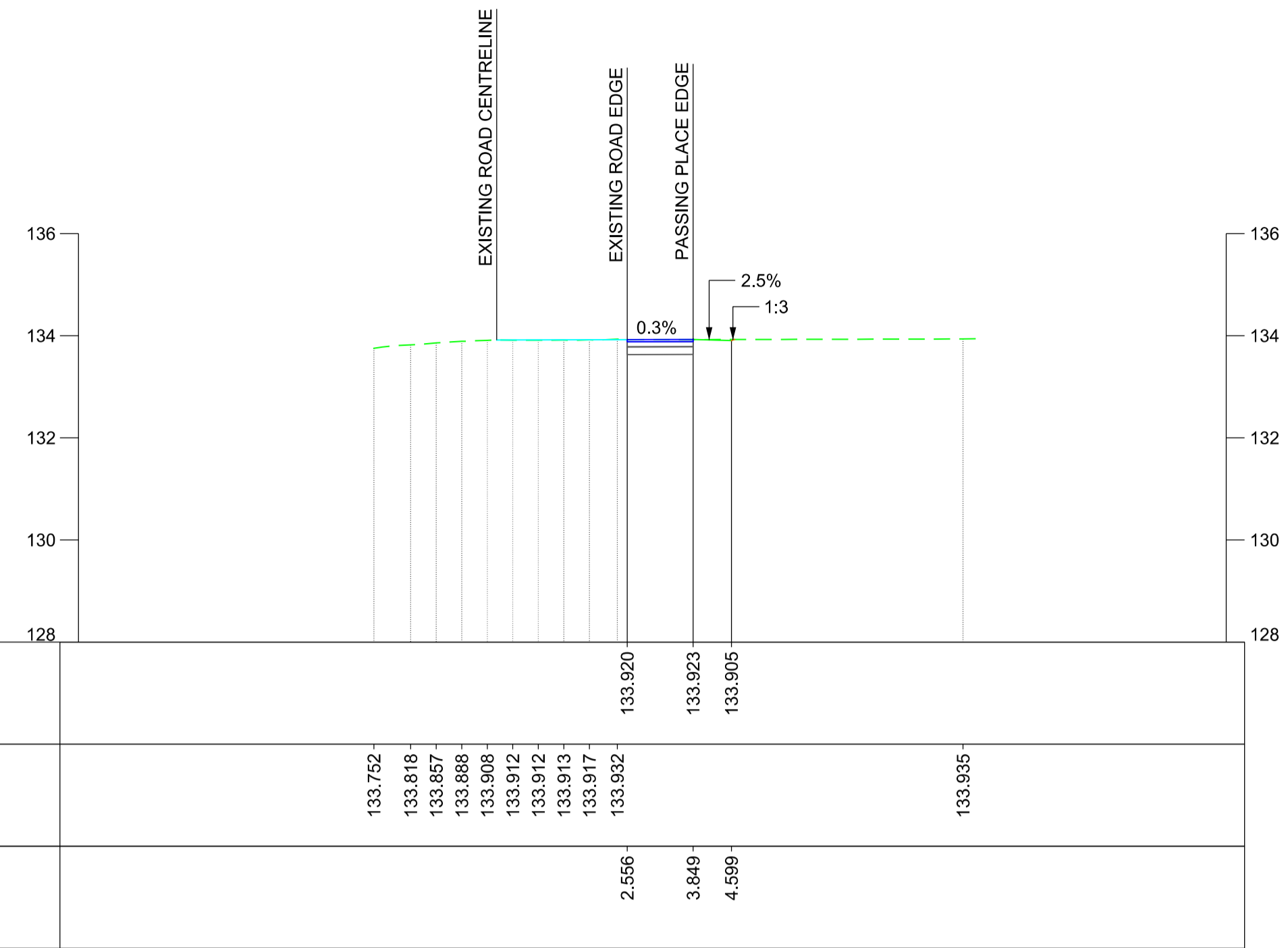
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Drawn	Ravikumar KN	Signed	R. KN	Date	21/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

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

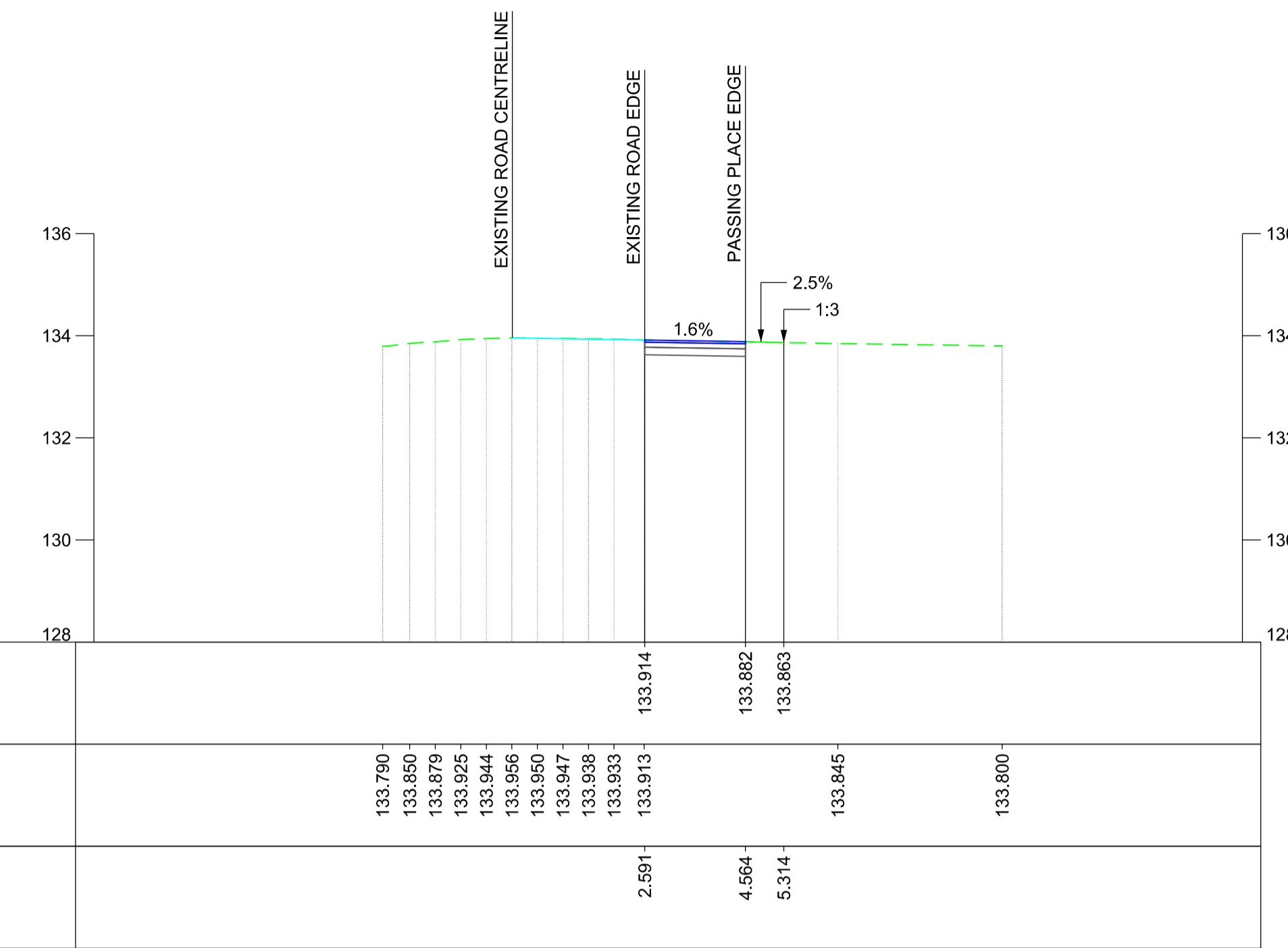
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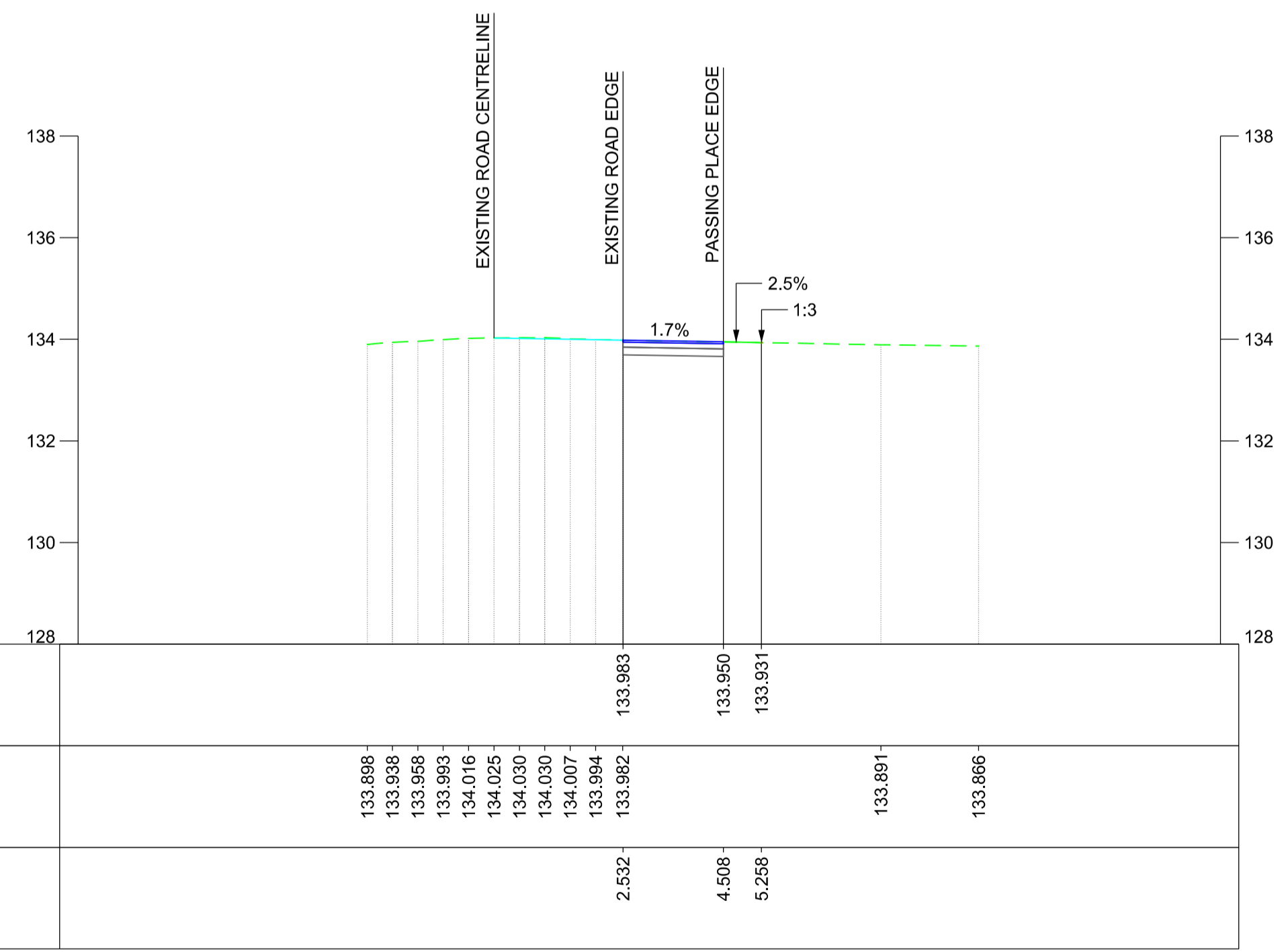
	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	EXISTING CONTOUR MAJOR @ 0.05m INTERVALS
	EXISTING CONTOUR MINOR @ 0.01m INTERVALS
	PROPOSED CONTOUR MAJOR @ 0.05m INTERVALS
	PROPOSED CONTOUR MINOR @ 0.01m INTERVALS



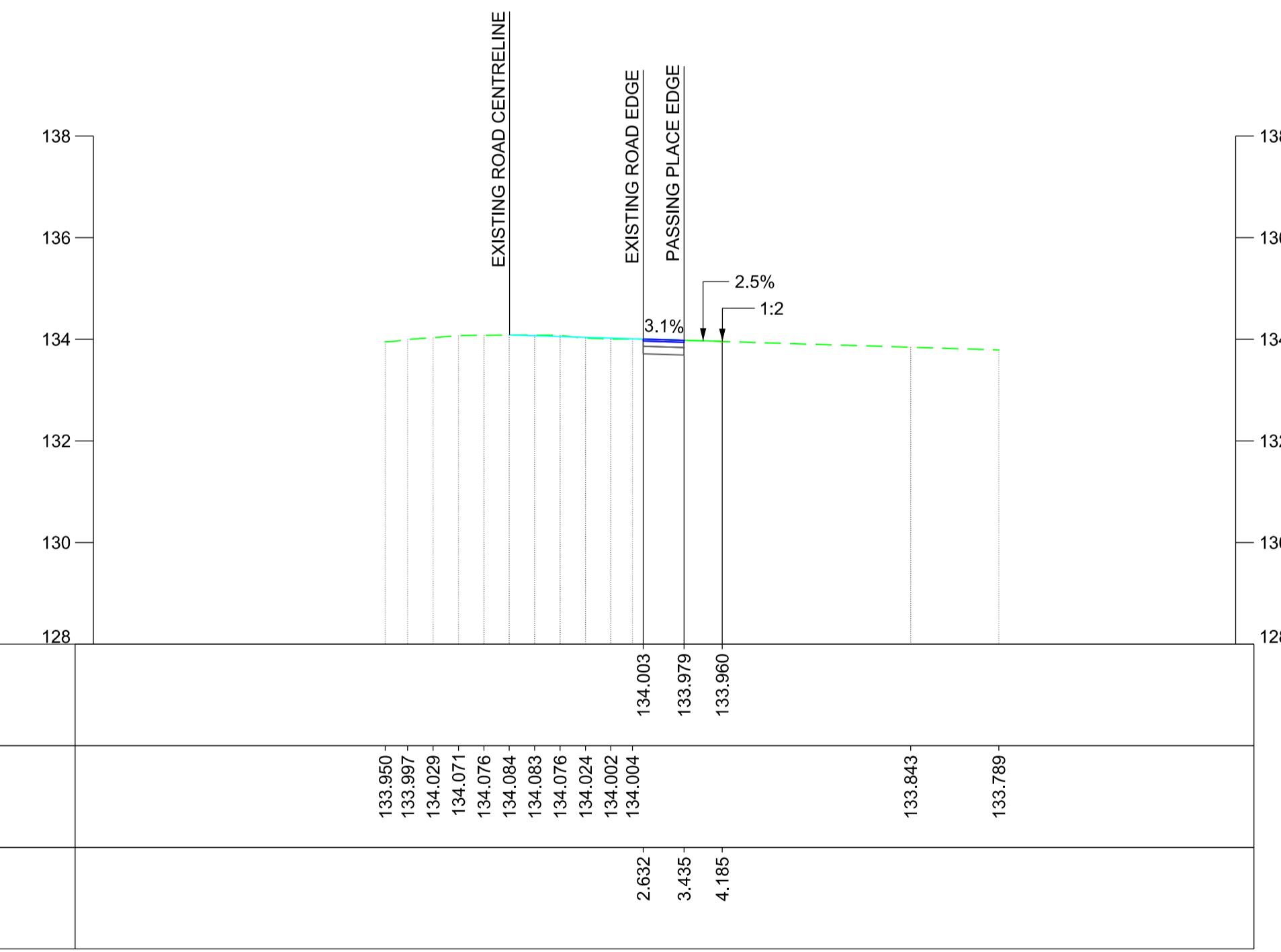
CHAINAGE - 25.0000



CHAINAGE - 40.0000



CHAINAGE - 60.0000



CHAINAGE - 80.0000

**KEY:**

- EXISTING GROUND
- EXISTING CARRIAGEWAY
- PROPOSED CARRIAGEWAY
- PROPOSED ROAD PAVEMENT
- PROPOSED GRASS VERGE
- PROPOSED EARTHWORKS

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

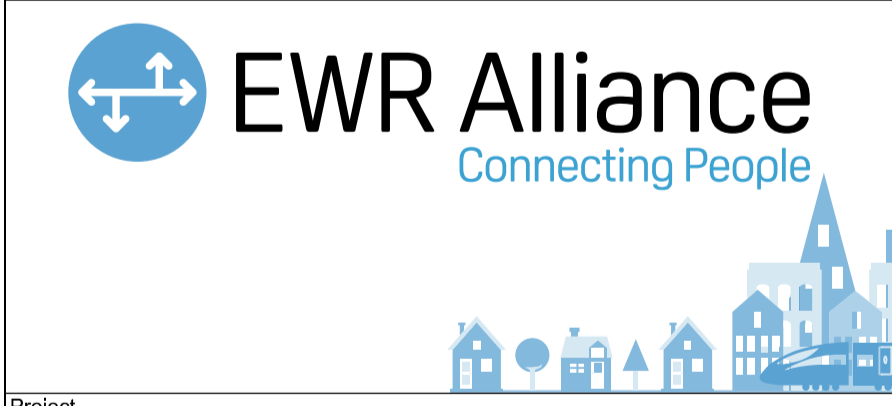
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NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)

- NOTES:**
- THIS DRAWING IS NOT TO BE SCALED.
  - ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
  - CHAINAGES SHOWN ON THIS DRAWING ARE ALONG THE ROAD CENTRELINE AS SEEN ON GENERAL ARRANGEMENT DRAWING.
  - EXISTING GROUND EXTRAPOLATED USING TOPO SURVEY FILE 133735\_RW-EWR-XX-XX-M3-G-050057 (B01.01) TO GENERATE EARTHWORKS BY EXTENDING THE EXISTING ROAD CROSSFALL.



Rev	Date	Description of Revisions	Desd	Chkd	Appr
B01	17/05/19	FOR CHECK			
Status	SHARED - for Content Check				S1



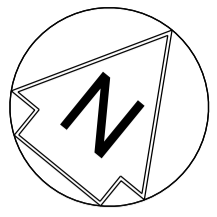
Project  
East West Rail (Western Section) Phase 2

Drawing Title  
PASSING PLACE A2\_P\_15 CROSS-SECTIONS

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	21/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)	ELR - Project Chainage (Miles Yards)	Sheet	1 of 1
AS SHOWN	OXD -	Design Package Risk Classification	Normal
Alternative Reference		Revision	B01
Drawing Number	133735_2A-EWR-OXD-A2_P_15-DR-CH-030001		





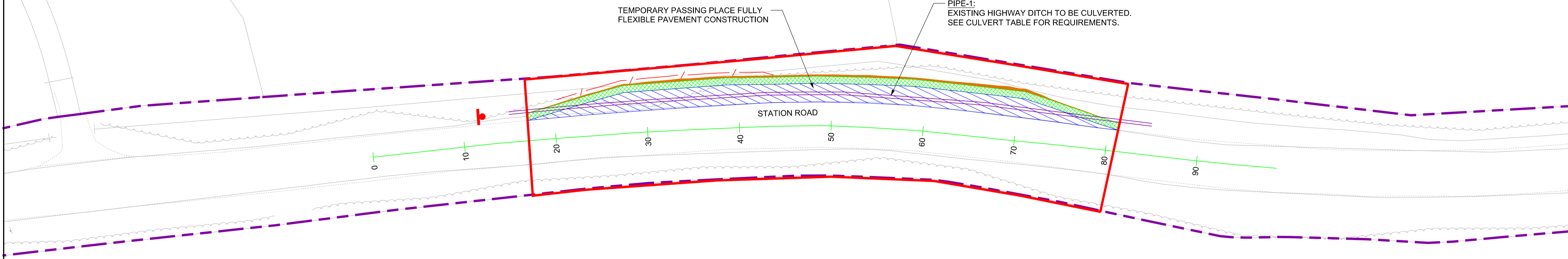
	PIPE-1	
	UPSTREAM	DOWNSTREAM
EASTINGS:	178802.809	178748.381
NORTHINGS:	142275.406	142231.402
EXISTING DITCH LEVELS:	NOTE 4	NOTE 4
PIPE INVERT:	66.550	66.394
HEADWALL:	NOTE 3	
PIPE TYPE:	300mm CARRIER PIPE	
MINIMUM COVER:	-	

- NOTES:**
- REFER TO STANDARD DETAIL DRAWING 133735\_RW-EWR-XX-XX-DR-CH-000131 & 000132 FOR PIPE SURROUND AND BEDDING TYPES.
  - THE EXISTING DITCH INVERT LEVELS ARE TAKEN FROM AVAILABLE TOPOGRAPHIC SURVEY INFORMATION, WHERE AVAILABLE. THE CONTRACTOR WILL NEED TO CONFIRM DITCH LEVELS BEFORE INSTALLING CULVERT. ANY DISCREPANCIES IN LEVEL WILL NEED TO BE DISCUSSED WITH THE DESIGNER.
  - PROPOSED PASSING PLACE EARTHWORKS TO EXTEND INTO THE EXISTING DITCH. CULVERT PIPE TO EXTEND A MINIMUM OF 100mm BEYOND THE TOE OF THE EARTHWORKS.
  - THERE ARE NO AVAILABLE UPSTREAM OR DOWNSTREAM DITCH LEVELS. THE EXISTING DITCH LEVELS WILL NEED TO BE SURVEYED BEFORE COMMENCING WORK AND PROVIDED TO THE ENGINEER FOR THEIR REVIEW.

**CULVERT REQUIREMENTS**

**NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**

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  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
  - 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).
  - 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	17/05/19	FOR CHECK				N.T. N.R. E.F.

SHARED - for Content Check S1



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

Drawing Title  
**PASSING PLACE A2\_P\_16 GENERAL ARRANGEMENT**

**KEY:**

	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	EXISTING ROAD EDGE
	PROPOSED ROAD EDGE
	PROPOSED DRAINAGE CULVERT
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	PROPOSED TRAFFIC SIGN
	PROPOSED POST & WIRE FENCE

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

THE WORKS ARE TO BE UNDERTAKEN BY A COMPETENT CONTRACTOR, 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.

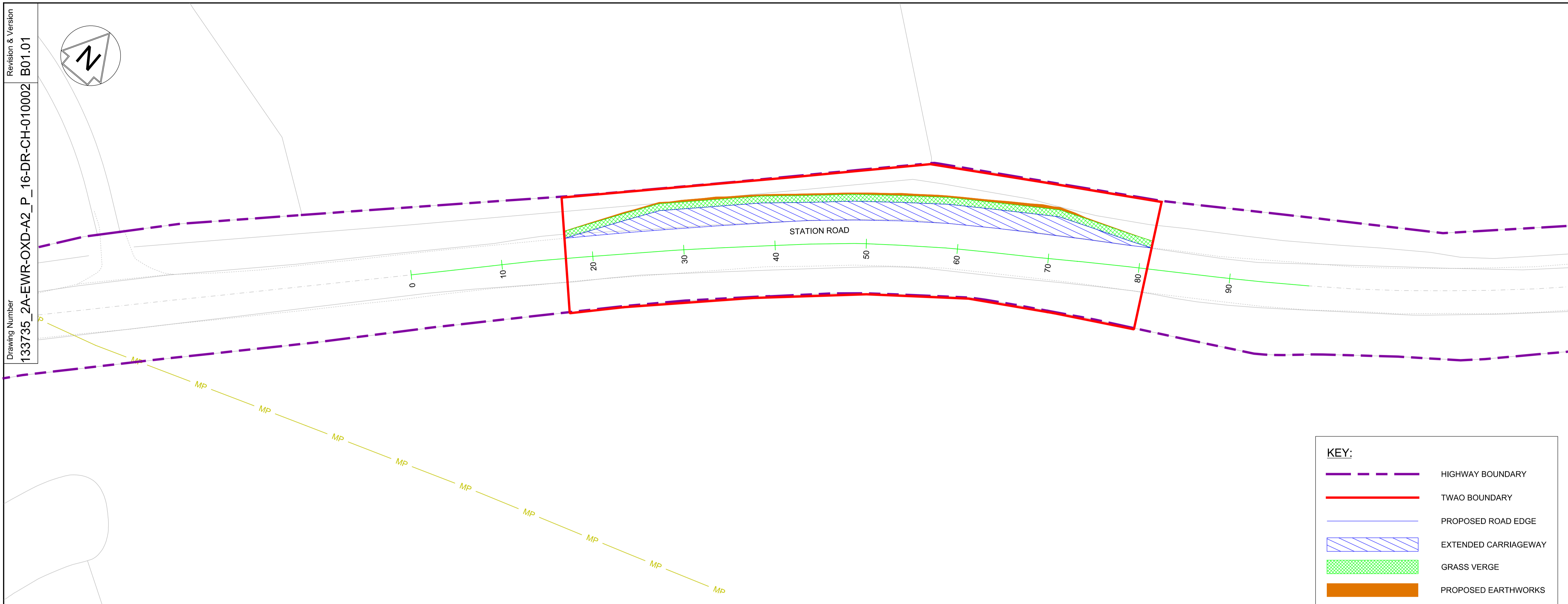
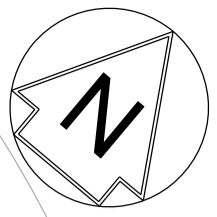
ID	HAZARD DESCRIPTION
NONE	NONE

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

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19	
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18	
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19	
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19	
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-A2_P_16-DR-CH-010001					



Revision & Version  
B01.01  
Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_16-DR-CH-010002



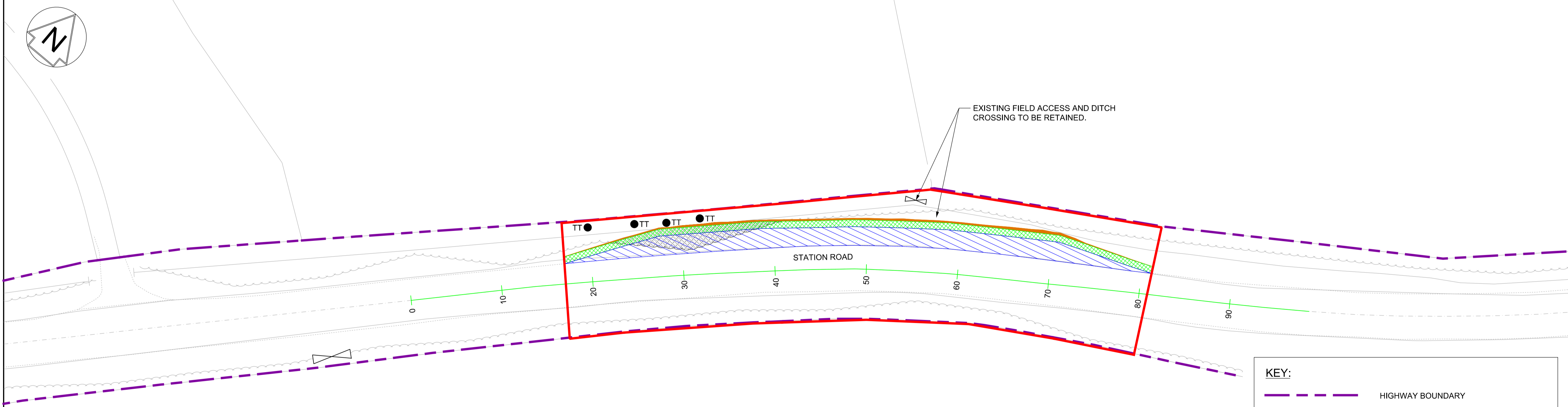
**EXISTING UTILITIES**

**KEY:**

	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	PROPOSED ROAD EDGE
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	MEDIUM PRESSURE GAS

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SCALE 1:250  
@ A1 SHEET SIZE



**SITE CLEARANCE**

**KEY:**

	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	PROPOSED ROAD EDGE
	EXTENDED CARRIAGEWAY
	GRASS VERGE
	PROPOSED EARTHWORKS
	EXTENTS OF DE-VEGETATION

RETAINED	REMOVE/ RELOCATE	DESCRIPTION
	NONE	TREE TRUNK
	NONE	GATE
	NONE	TRAFFIC SIGN

**DRAFT**

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SCALE 1:250  
@ A1 SHEET SIZE

**NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**

- NOTES:**
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  - ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
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  - 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.
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  - 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.

Rev	Date	Description of Revisions	Dsmd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1



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

Drawing Title  
**PASSING PLACE A2\_P\_16 EXISTING UTILITIES AND SITE CLEARANCE**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)  
1:250

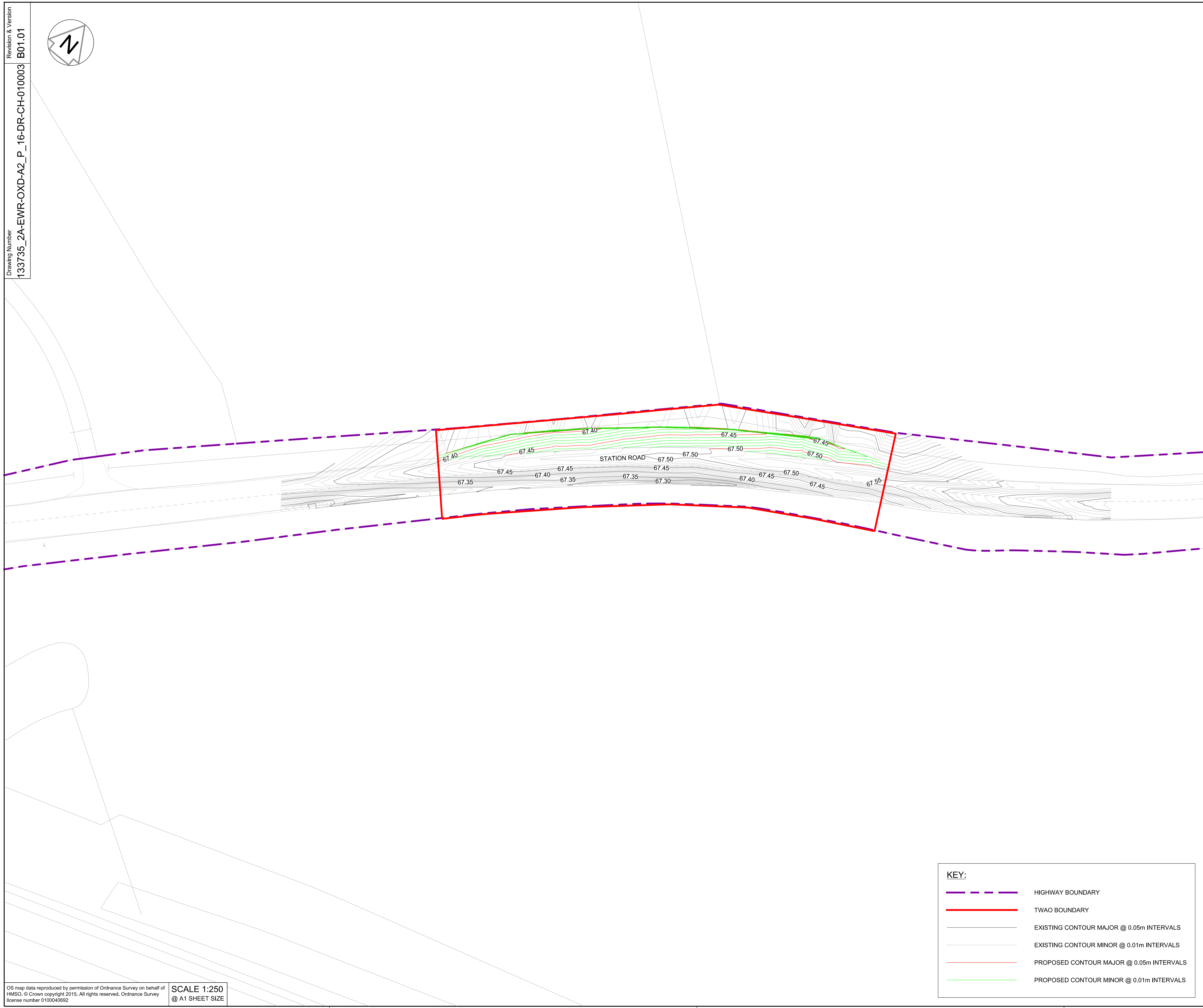
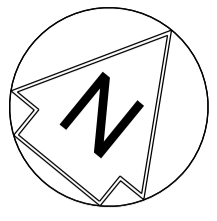
ELR - Project Chainage (Miles Yards)  
OXD -

Design Package Risk Classification  
**Normal**

Sheet  
1 of 1

Alternative Reference  
Revision  
B01

Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_16-DR-CH-010002



NETWORK RAIL (EAST WEST  
 RAIL WESTERN SECTION PHASE 2)

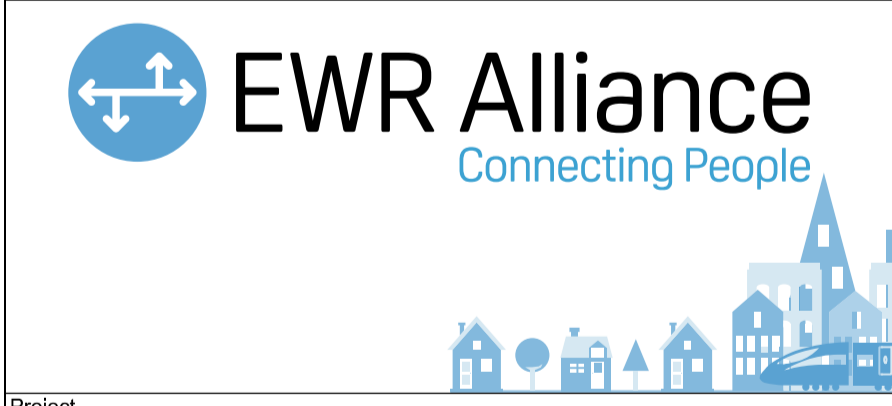
**NOTES:**

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2. ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
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 **DRAFT**

Rev	Date	Description of Revisions	Desd	Chkd	Appr
B01	17/05/19	FOR CHECK	N.T.	N.R.	E.F.

Status: **SHARED - for Content Check** Suitability: **S1**



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







Drawing Title  
**PASSING PLACE A2\_P\_16  
 EXISTING AND PROPOSED  
 CONTOURS**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

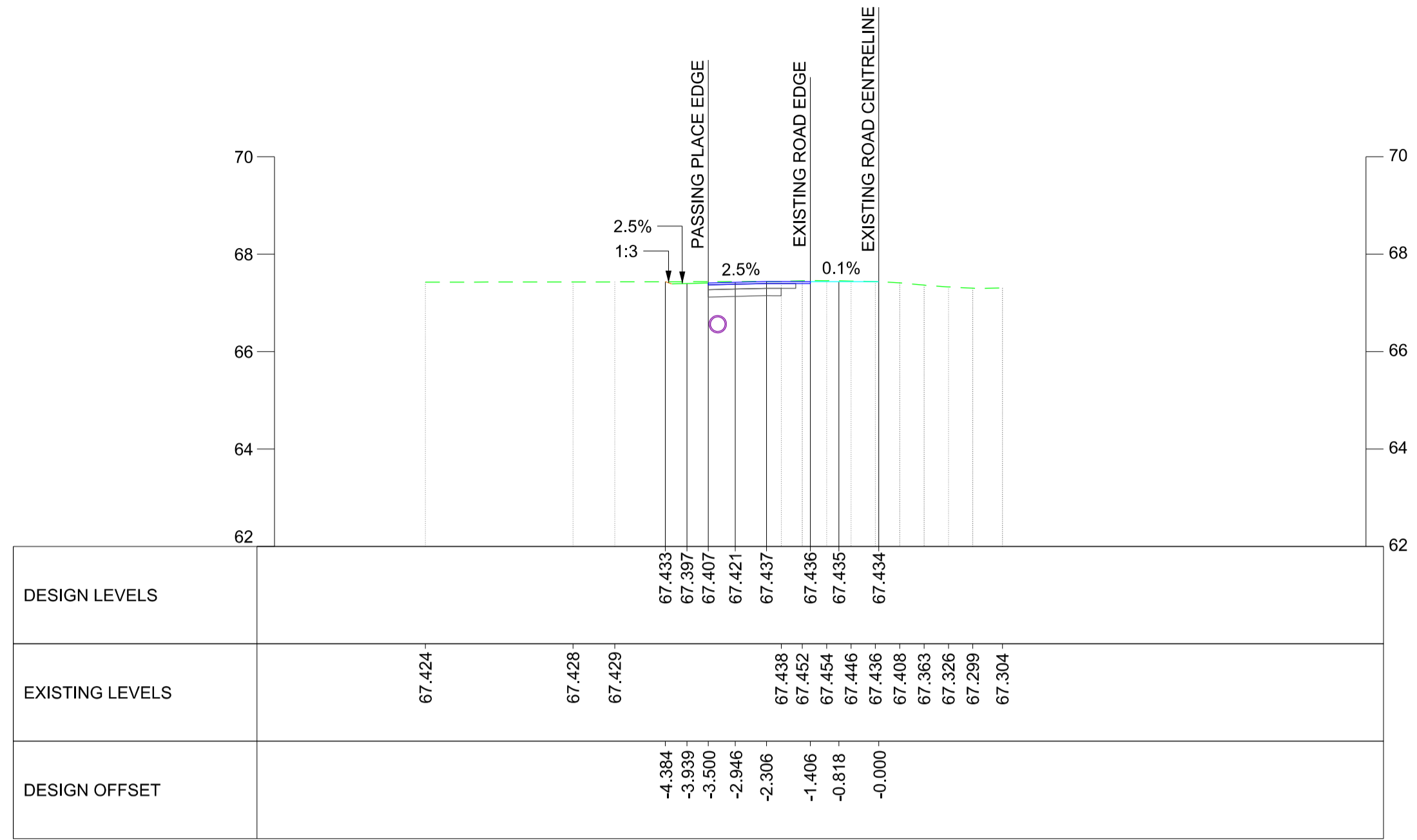
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**1:250** (ELR - Project Chainage (Miles Yards))  
 Design Package Risk Classification: **Normal** Sheet: **1 of 1**

Alternative Reference: **B01** Drawing Number: **133735\_2A-EWR-OXD-A2\_P\_16-DR-CH-010003**

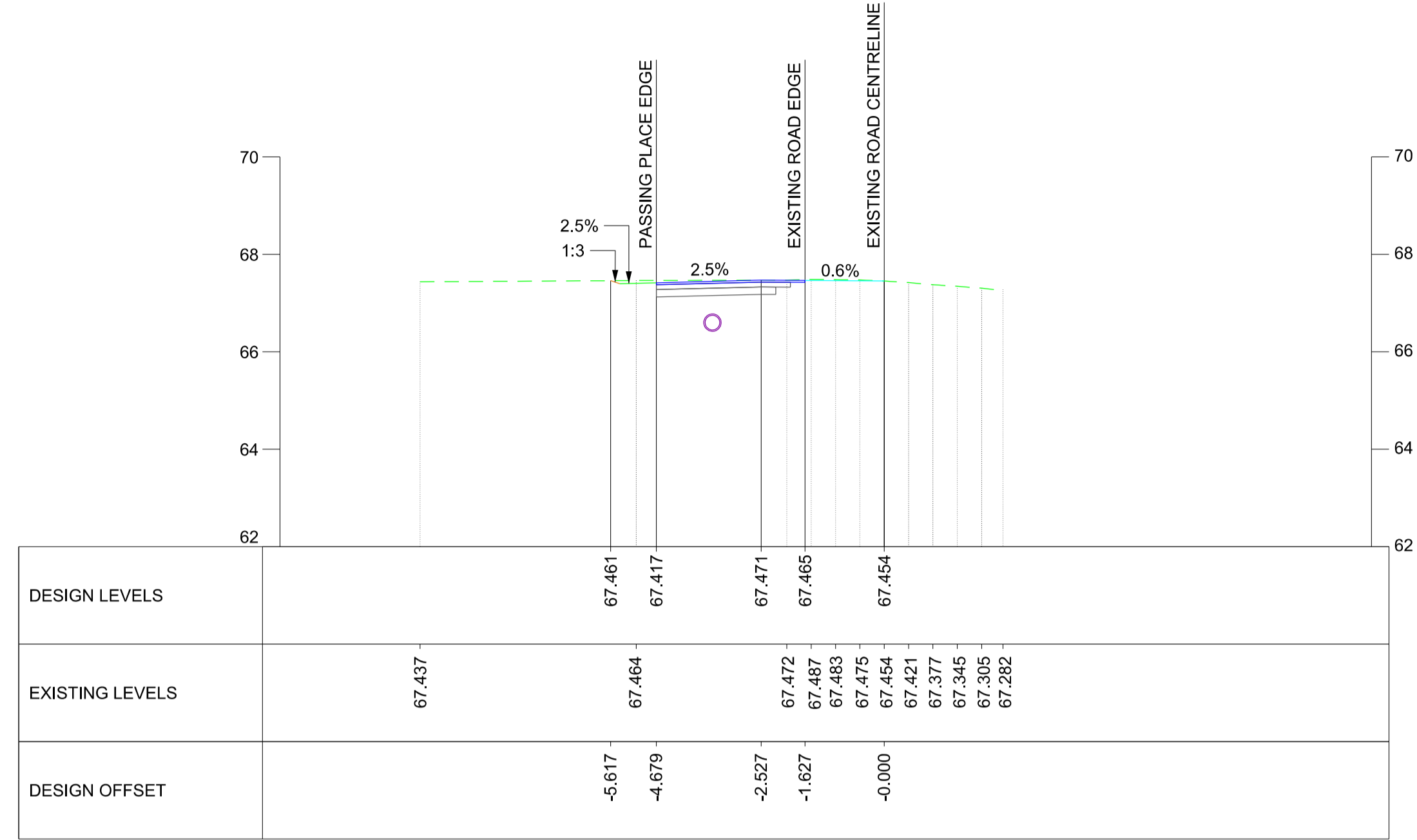
**KEY:**

	HIGHWAY BOUNDARY
	TWAO 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

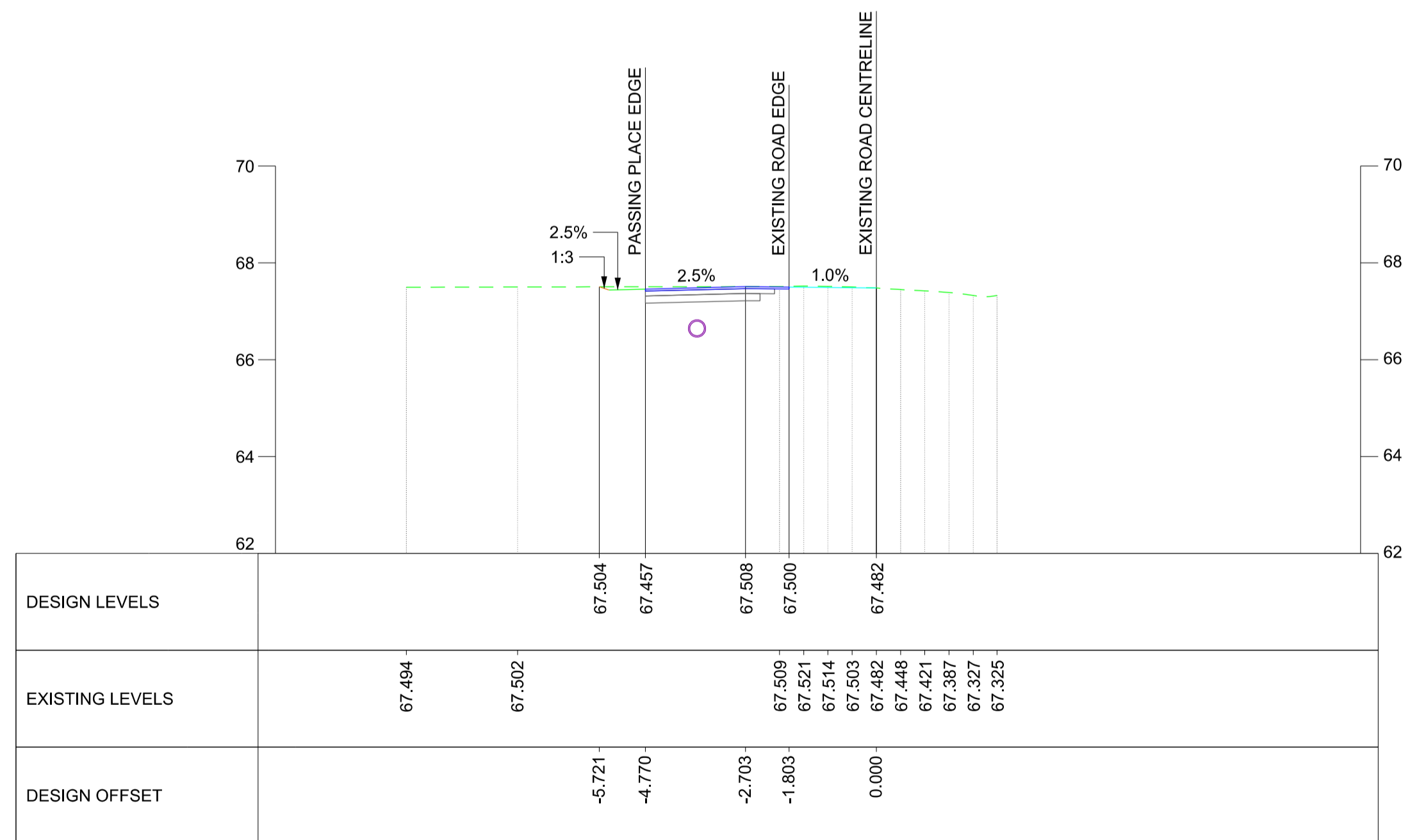




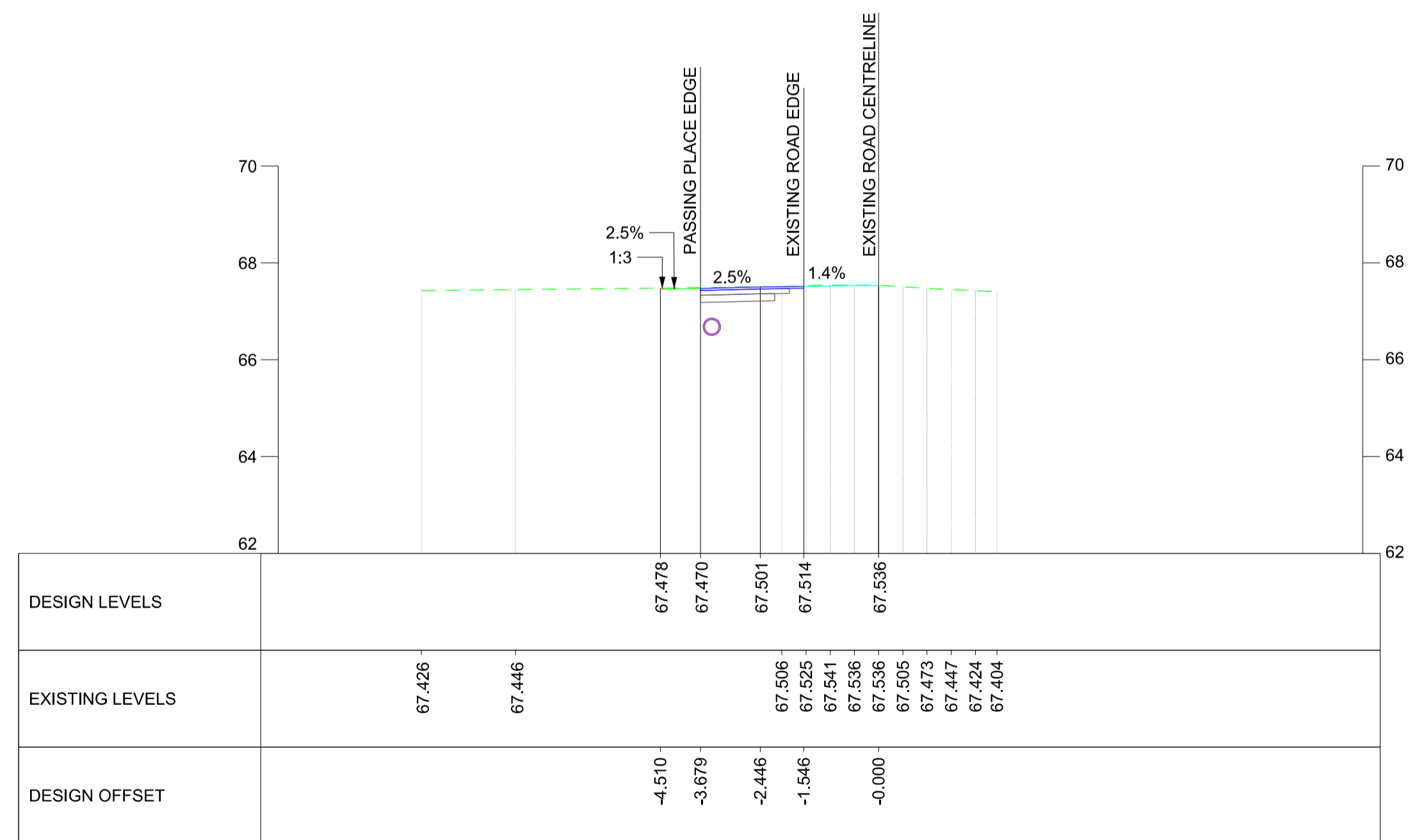
CHAINAGE - 23.0000



CHAINAGE - 40.0000



CHAINAGE - 60.0000



CHAINAGE - 75.0000

**KEY:**

	EXISTING GROUND
	EXISTING CARRIAGEWAY
	PROPOSED CARRIAGEWAY
	PROPOSED ROAD PAVEMENT
	PROPOSED GRASS VERGE
	PROPOSED EARTHWORKS
	PROPOSED DRAINAGE CULVERT

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.
5. EXISTING GROUND EXTRAPOLATED USING TOPO SURVEY FILE 133735\_RW-EWR-XX-XX-M3-G-050057 (B01.01) TO GENERATE EARTHWORKS BY EXTENDING THE EXISTING ROAD CROSSFALL.



B01	17/05/19	FOR CHECK		N.T.	N.R.	E.F.
Rev	Date	Description of Revisions	Dsnd	Chkd	Appr	Suitability
SHARED - for Content Check						S1



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

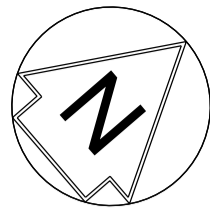
Drawing Title  
**PASSING PLACE A2\_P\_16  
 CROSS-SECTIONS**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

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

Drawing Number  
 133735\_2A-EWR-OXD-A2\_P\_16-DR-CH-030001





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. WHERE A FENCE IS PROPOSED IT SHALL TIE-IN TO THE EXISTING HEDGEROW OR BOUNDARY TREATMENT TO PROVIDE A SECURE BOUNDARY.

FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

TEMPORARY PASSING PLACE FULLY FLEXIBLE PAVEMENT CONSTRUCTION

EW R2-HAZ-02386

110 100 90 80 70 60 50 40 30 20 10 0  
STATION ROAD

EW R2-HAZ-01646

TEMPORARY PASSING PLACE FULLY FLEXIBLE PAVEMENT CONSTRUCTION

FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

KEY:

- HIGHWAY BOUNDARY
- TWAO BOUNDARY
- EXISTING ROAD EDGE
- PROPOSED ROAD EDGE
- EXTENDED CARRIAGEWAY
- GRASS VERGE
- PROPOSED EARTHWORKS
- PROPOSED TRAFFIC SIGN
- PROPOSED POST & WIRE FENCE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

THE WORKS ARE TO BE UNDERTAKEN BY A COMPETENT CONTRACTOR, 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
EW R2-HAZ-01646	PRESENCE OF BURIED SERVICES/ UTILITIES
EW R2-HAZ-02386	DITCH ADJACENT TO PROPOSED WIDENING
	INDICATES PROJECT RISKS (EWR2-DRIS- .....
	INDICATES H&S RISKS (EWR2-HAZ- .....



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				N.T. N.R. E.F.
SHARED - for Content Check						S1



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

Drawing Title  
**PASSING PLACE A2\_P\_17  
GENERAL ARRANGEMENT**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

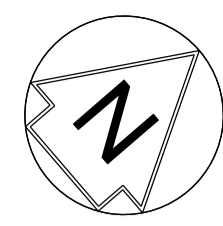
Scale(s)  
1:250  
ELR - Project Chainage (Miles Yards)  
OXD -  
Design Package Risk Classification  
**Normal**

Alternative Reference  
Revision  
**B01**

Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_17-DR-CH-010001



Revision & Version  
B01.01  
Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_17-DR-CH-010002



FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

**KEY:**

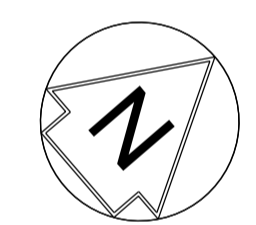
- HIGHWAY BOUNDARY
- TWAO BOUNDARY
- PROPOSED ROAD EDGE
- EXTENDED CARRIAGEWAY
- GRASS VERGE
- PROPOSED EARTHWORKS
- ELECTRIC HIGH VOLTAGE OVERHEAD CABLES
- BT TELECOM UNDERGROUND CABLES

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SCALE 1:250  
@ A1 SHEET SIZE

**EXISTING UTILITIES**

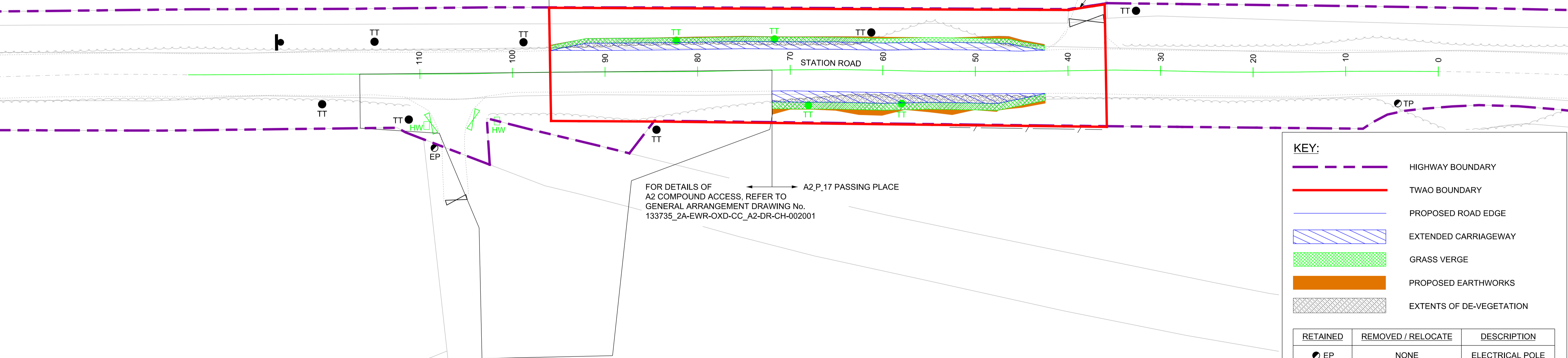
- NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**
- NOTES:**
- THIS DRAWING IS NOT TO BE SCALED.
  - ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
  - THE EXACT LOCATION AND EXTENT 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - WHERE SITE CLEARANCE WORKS HAVE THE POTENTIAL TO IMPACT TREES OR HEDGES WHICH ARE TO BE RETAINED, AN ARBORICULTURALIST 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.
  - SITE CLEARANCE, WHERE THERE IS PROXIMITY TO HABITAT OF PROTECTED SPECIES, SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A SUITABLY QUALIFIED ECOLOGIST.
  - 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.
  - 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.
  - THE VEGETATION CLEARANCE SHOWN HERE ON THE DRAWING IS INDICATIVE ONLY. THE SITE TEAM NEEDS TO ASCERTAIN THE REQUIRED CLEARANCE BASED ON THE VISIBILITY SPLAY, INTERVISIBILITY ZONE AND OR WORKS REQUIRED FOR THIS SITE.
  - 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.



FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

EXISTING FIELD ACCESS AND DITCH CROSSING TO BE RETAINED AND KEPT CLEAR.



FOR DETAILS OF A2 COMPOUND ACCESS, REFER TO GENERAL ARRANGEMENT DRAWING No. 133735\_2A-EWR-OXD-CC\_A2-DR-CH-002001

A2\_P\_17 PASSING PLACE

**KEY:**

- HIGHWAY BOUNDARY
- TWAO BOUNDARY
- PROPOSED ROAD EDGE
- EXTENDED CARRIAGEWAY
- GRASS VERGE
- PROPOSED EARTHWORKS
- EXTENTS OF DE-VEGETATION

RETAINED	REMOVED / RELOCATE	DESCRIPTION
EP	NONE	ELECTRICAL POLE
TT	NONE	TRAFFIC SIGN
TT	TT	TREE TRUNK
/	NONE	FENCE
X	X	GATE
NONE	HW	HEADWALL
TP	NONE	TELEGRAPH POLE

**SITE CLEARANCE**

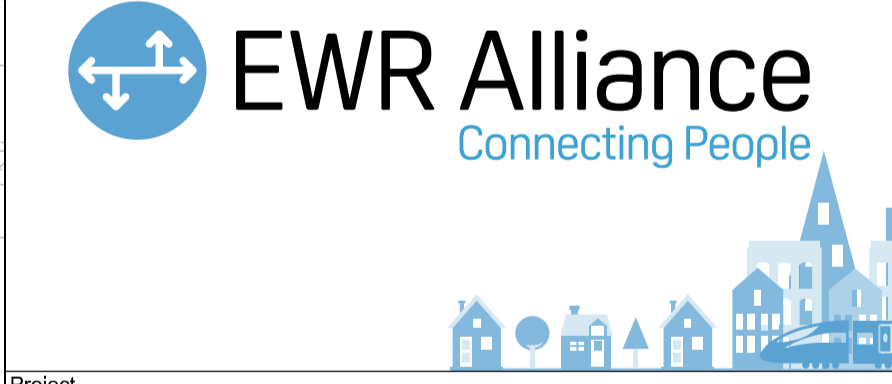
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SCALE 1:250  
@ A1 SHEET SIZE



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1



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

Drawing Title  
**PASSING PLACE A2\_P\_17 EXISTING UTILITIES AND SITE CLEARANCE**

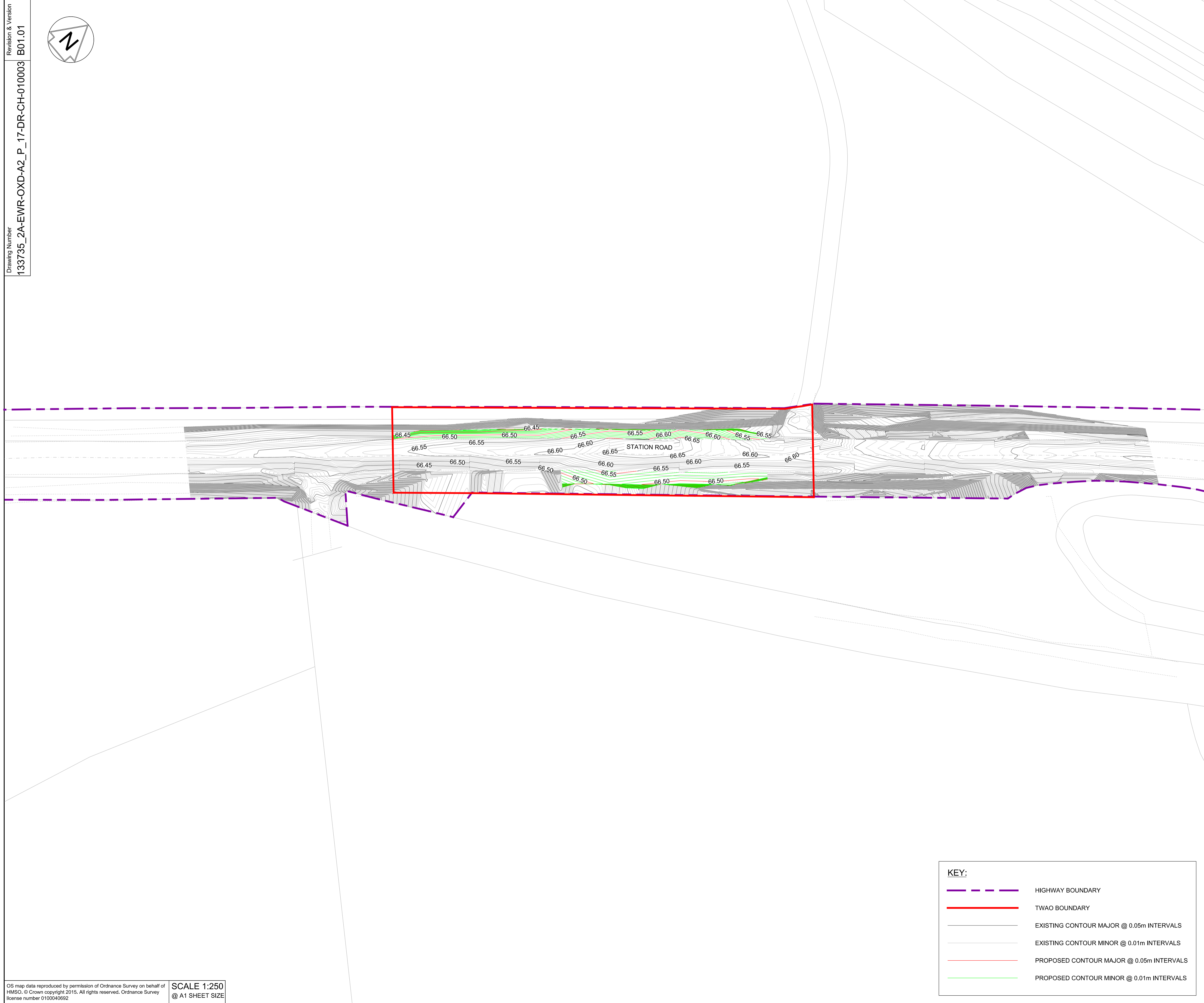
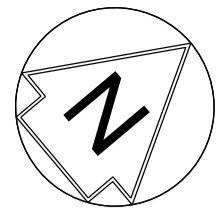
Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

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-A2\_P\_17-DR-CH-010002





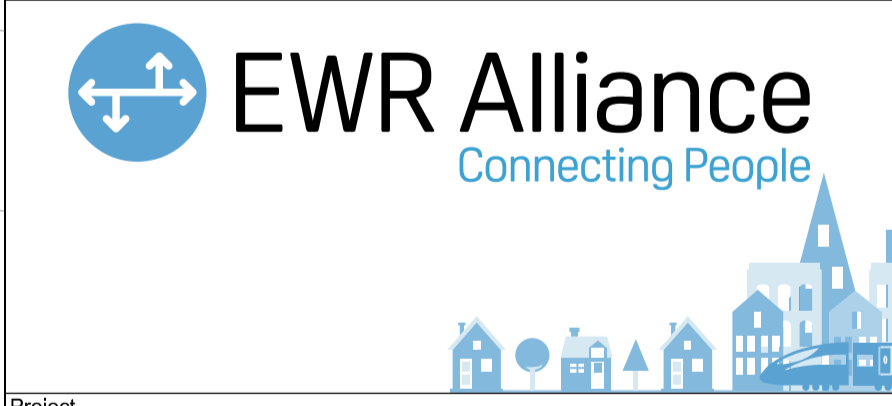
NETWORK RAIL (EAST WEST  
 RAIL WESTERN SECTION PHASE 2)

- 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	
B01	17/05/19	FOR CHECK		N.T.	N.R.	E.F.

Status: SHARED - for Content Check S1



Project  
 East West Rail  
 (Western Section)  
 Phase 2

Drawing Title  
 PASSING PLACE A2\_P\_17  
 EXISTING AND PROPOSED  
 CONTOURS

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19
Scale(s)	1:250				
Design Package Risk Classification	ELR - Project Chainage (Miles Yards) OXD -				Sheet
Alternative Reference	Normal				1 of 1
Drawing Number	133735_2A-EWR-OXD-A2_P_17-DR-CH-010003				Revision
					B01

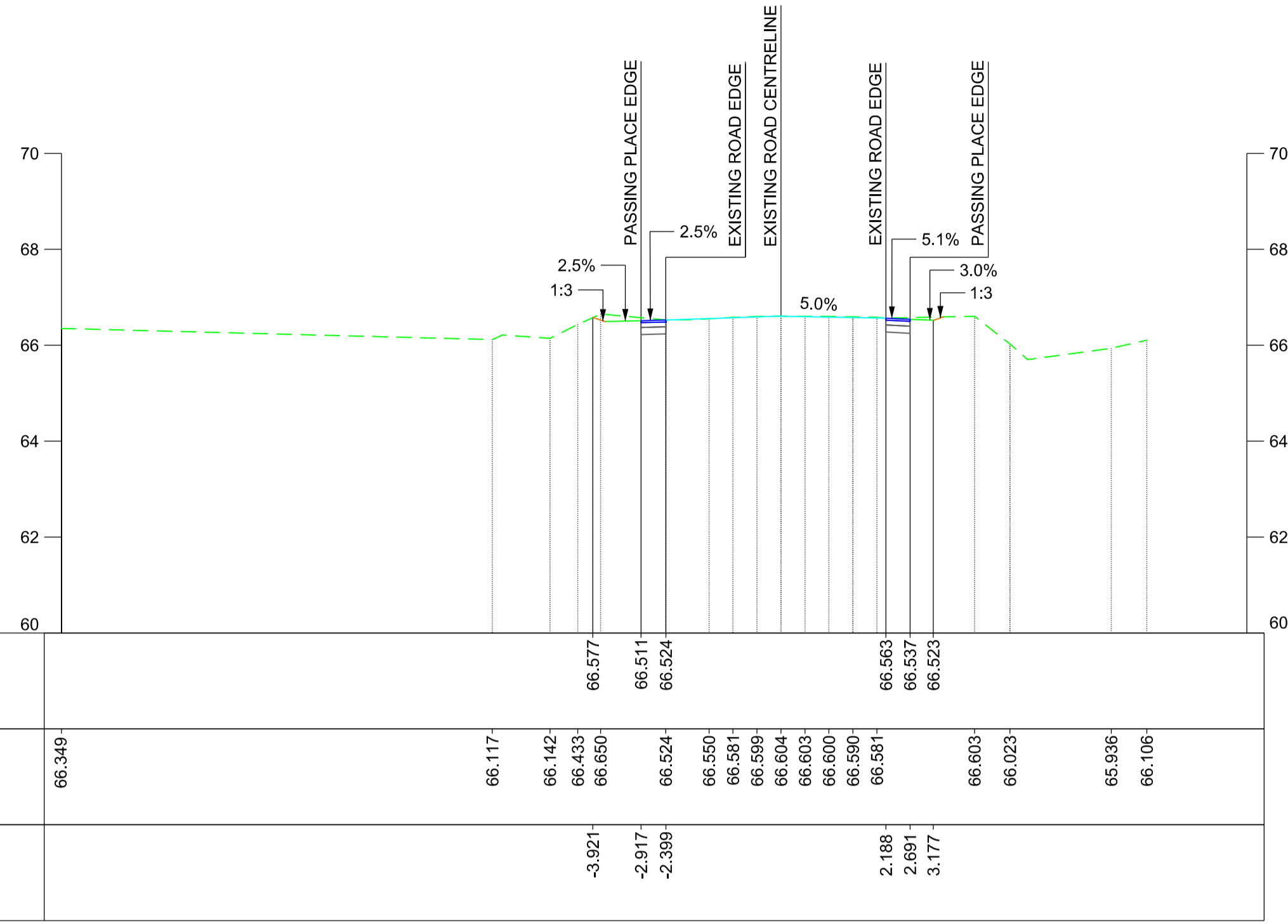
**KEY:**

	HIGHWAY BOUNDARY
	TWAO 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

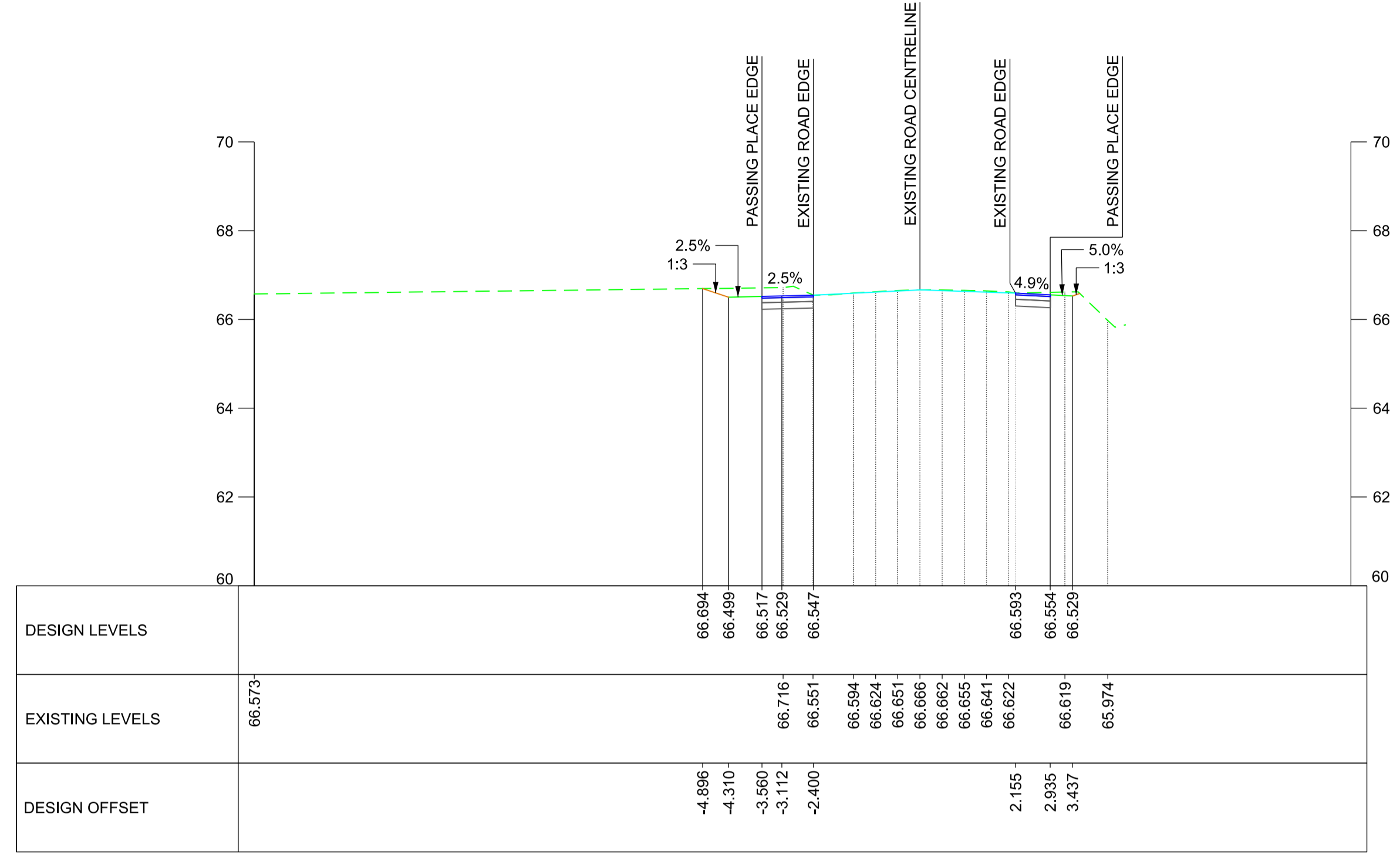
NETWORK RAIL (EAST WEST  
RAIL WESTERN SECTION PHASE 2)

NOTES:

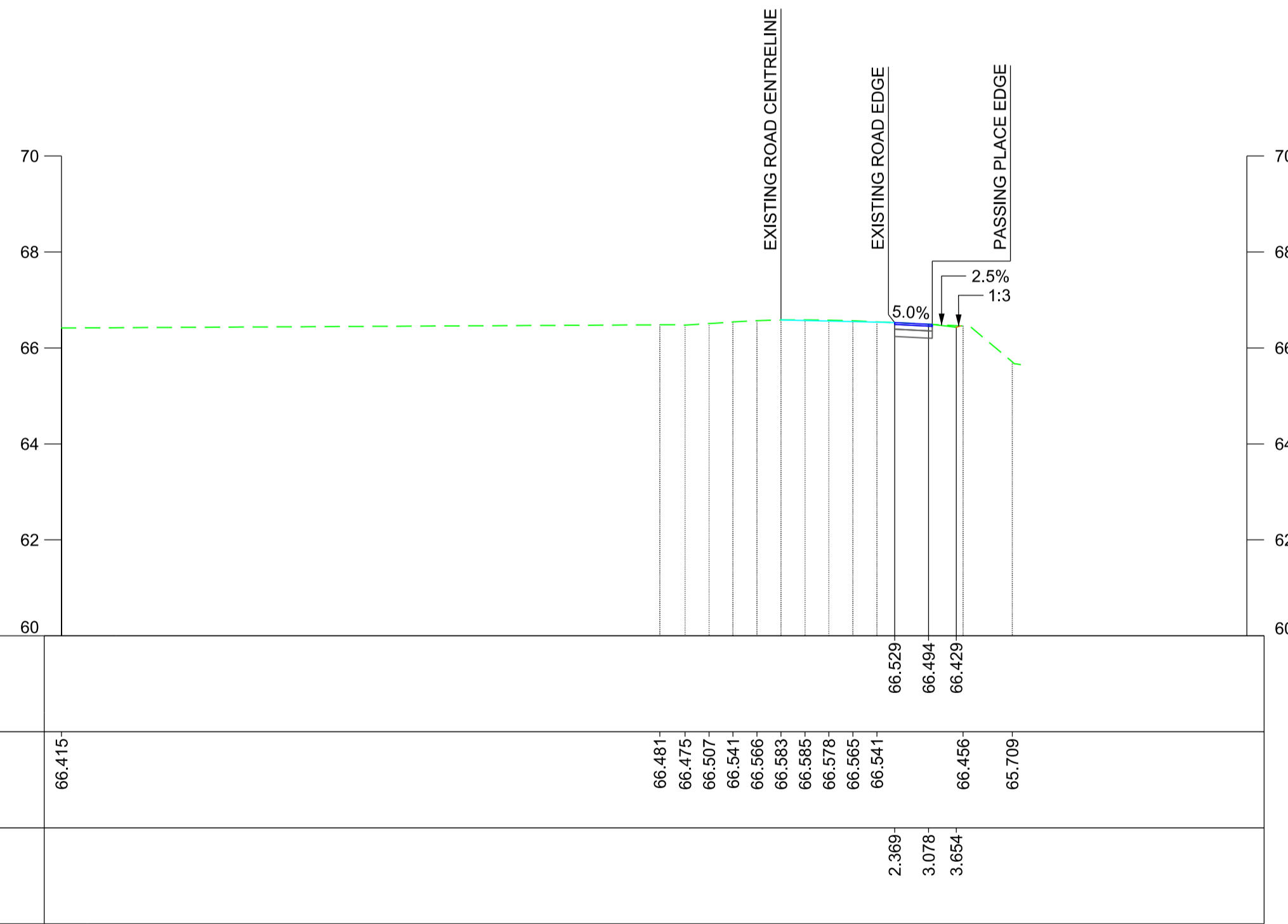
1. THIS DRAWING IS NOT TO BE SCALED.
2. ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
4. CHAINAGES SHOWN ON THIS DRAWING ARE ALONG THE ROAD CENTRELINE AS SEEN ON GENERAL ARRANGEMENT DRAWING.



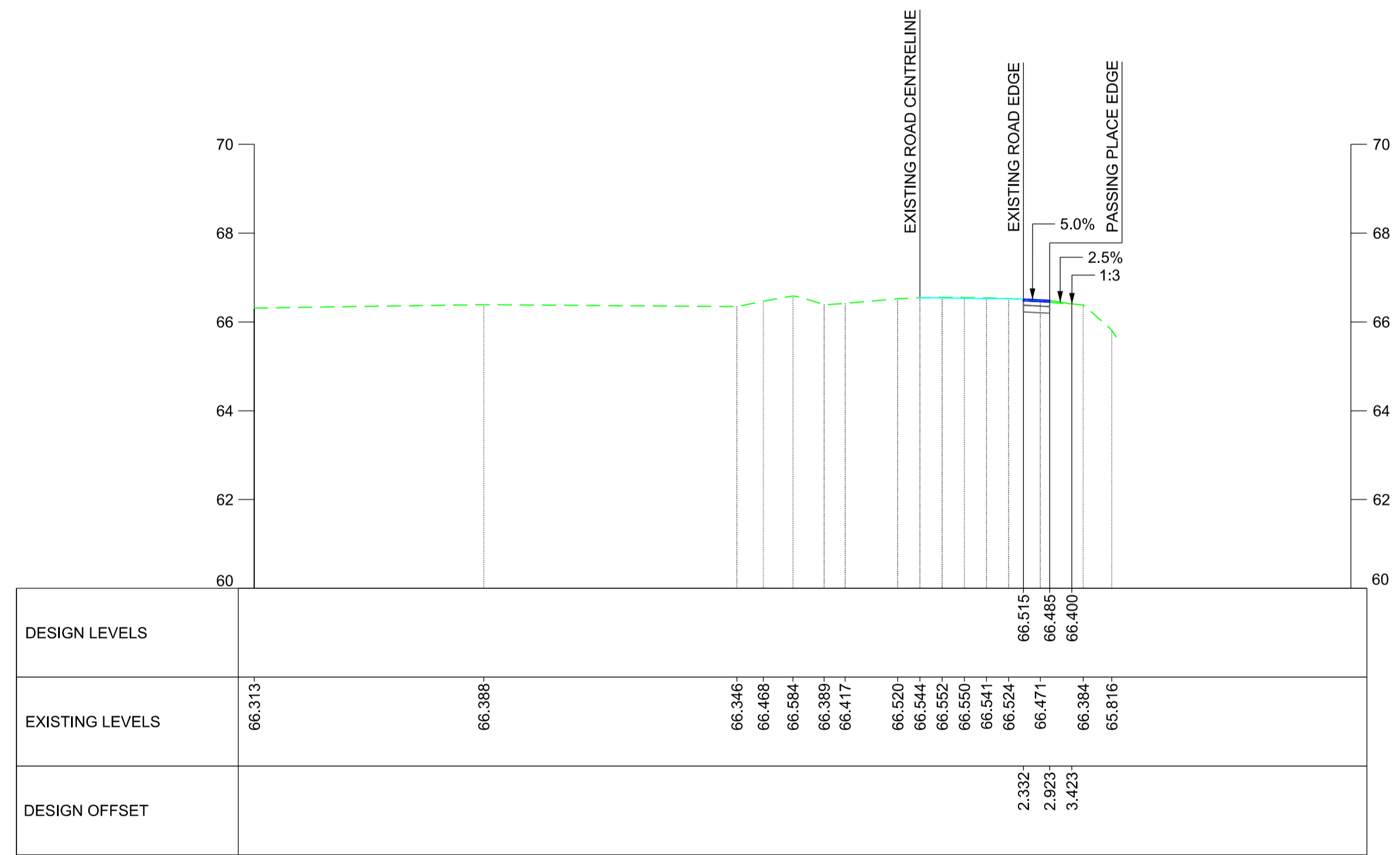
CHAINAGE - 45.0000



CHAINAGE - 60.0000



CHAINAGE - 80.0000



CHAINAGE - 93.0000

**KEY:**

	EXISTING GROUND
	EXISTING CARRIAGEWAY
	PROPOSED CARRIAGEWAY
	PROPOSED ROAD PAVEMENT
	PROPOSED GRASS VERGE
	PROPOSED EARTHWORKS



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Status	Suitability
B01	17/05/19	FOR CHECK				SHARED - for Content Check	S1



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

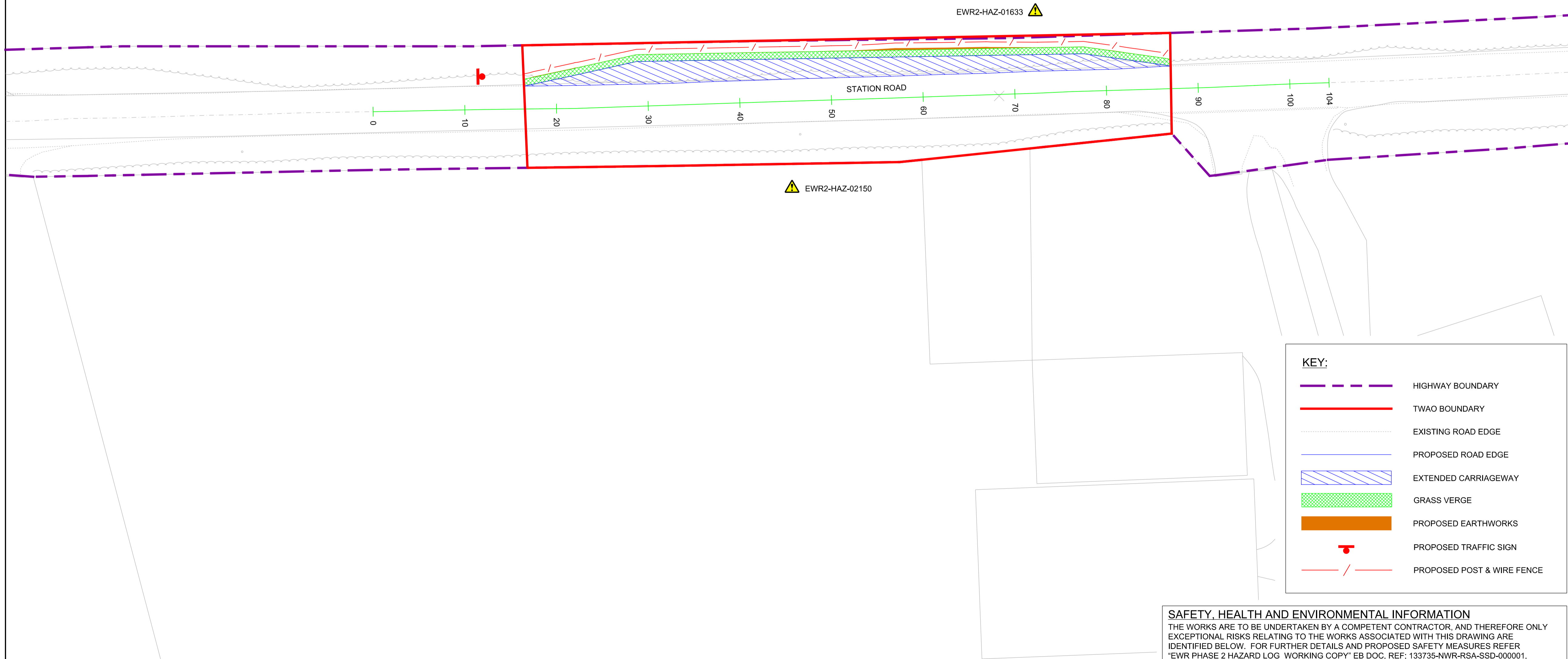
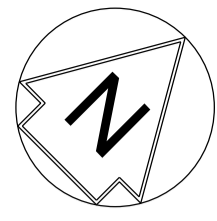
Drawing Title  
**PASSING PLACE A2\_P\_17  
CROSS-SECTIONS**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

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

Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_17-DR-CH-030001





 **DRAFT**

Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1





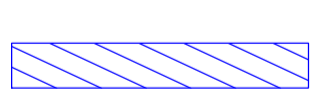
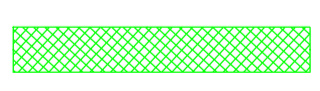





Project  
**East West Rail  
(Western Section)  
Phase 2**

Drawing Title  
**PASSING PLACE A2\_P\_18  
GENERAL ARRANGEMENT**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19



**KEY:**

-  HIGHWAY BOUNDARY
-  TWAO BOUNDARY
-  EXISTING ROAD EDGE
-  PROPOSED ROAD EDGE
-  EXTENDED CARRIAGEWAY
-  GRASS VERGE
-  PROPOSED EARTHWORKS
-  PROPOSED TRAFFIC SIGN
-  PROPOSED POST & WIRE FENCE

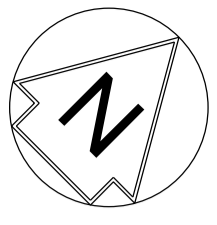
**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

THE WORKS ARE TO BE UNDERTAKEN BY A COMPETENT CONTRACTOR, 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-01633	OVERHEAD ELECTRIC ALONG THE PASSING PLACE
EWR2-HAZ-02150	PRESENCE OF BURIED SERVICES/ UTILITIES

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

Revision & Version  
B01.01  
Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_18-DR-CH-010002



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 ARBORICULTURALIST 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. THE VEGETATION CLEARANCE SHOWN HERE ON THE DRAWING IS INDICATIVE ONLY. THE SITE TEAM NEEDS TO ASCERTAIN THE REQUIRED CLEARANCE BASED ON THE VISIBILITY SPLAY, INTERVISIBILITY ZONE AND OR WORKS REQUIRED FOR THIS SITE.
14. 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.

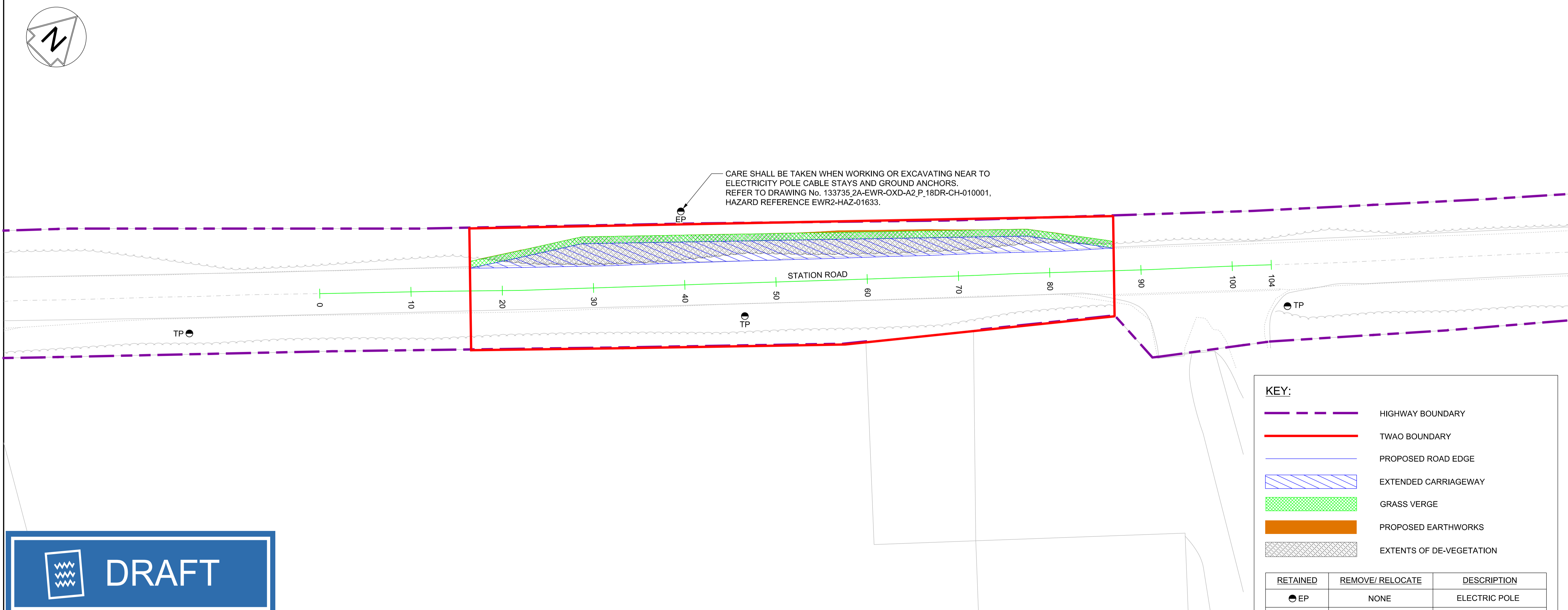
**KEY:**

- HIGHWAY BOUNDARY
- TWAO BOUNDARY
- PROPOSED ROAD EDGE
- EXTENDED CARRIAGEWAY
- GRASS VERGE
- PROPOSED EARTHWORKS
- ELECTRIC HIGH VOLTAGE OVERHEAD CABLES
- BT TELECOM UNDERGROUND CABLES
- ELECTRIC LOW VOLTAGE UNDERGROUND CABLES

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SCALE 1:250  
@ A1 SHEET SIZE

EXISTING UTILITIES



SITE CLEARANCE

**KEY:**

- HIGHWAY BOUNDARY
- TWAO BOUNDARY
- PROPOSED ROAD EDGE
- EXTENDED CARRIAGEWAY
- GRASS VERGE
- PROPOSED EARTHWORKS
- EXTENTS OF DE-VEGETATION

RETAINED	REMOVE/ RELOCATE	DESCRIPTION
	NONE	ELECTRIC POLE
	NONE	TELEGRAPH POLE

Rev	Date	Description of Revisions	Dsmd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1



East West Rail (Western Section) Phase 2

Drawing Title  
PASSING PLACE A2\_P\_18 EXISTING UTILITIES AND SITE CLEARANCE

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)  
1:250

ELR - Project Chainage (Miles Yards)  
OXD -

Design Package Risk Classification  
Normal

Sheet  
1 of 1

Alternative Reference  
Revision  
B01

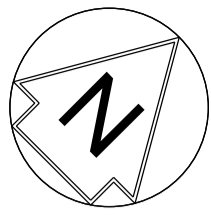
Drawing Number  
133735\_2A-EWR-OXD-A2\_P\_18-DR-CH-010002

**DRAFT**

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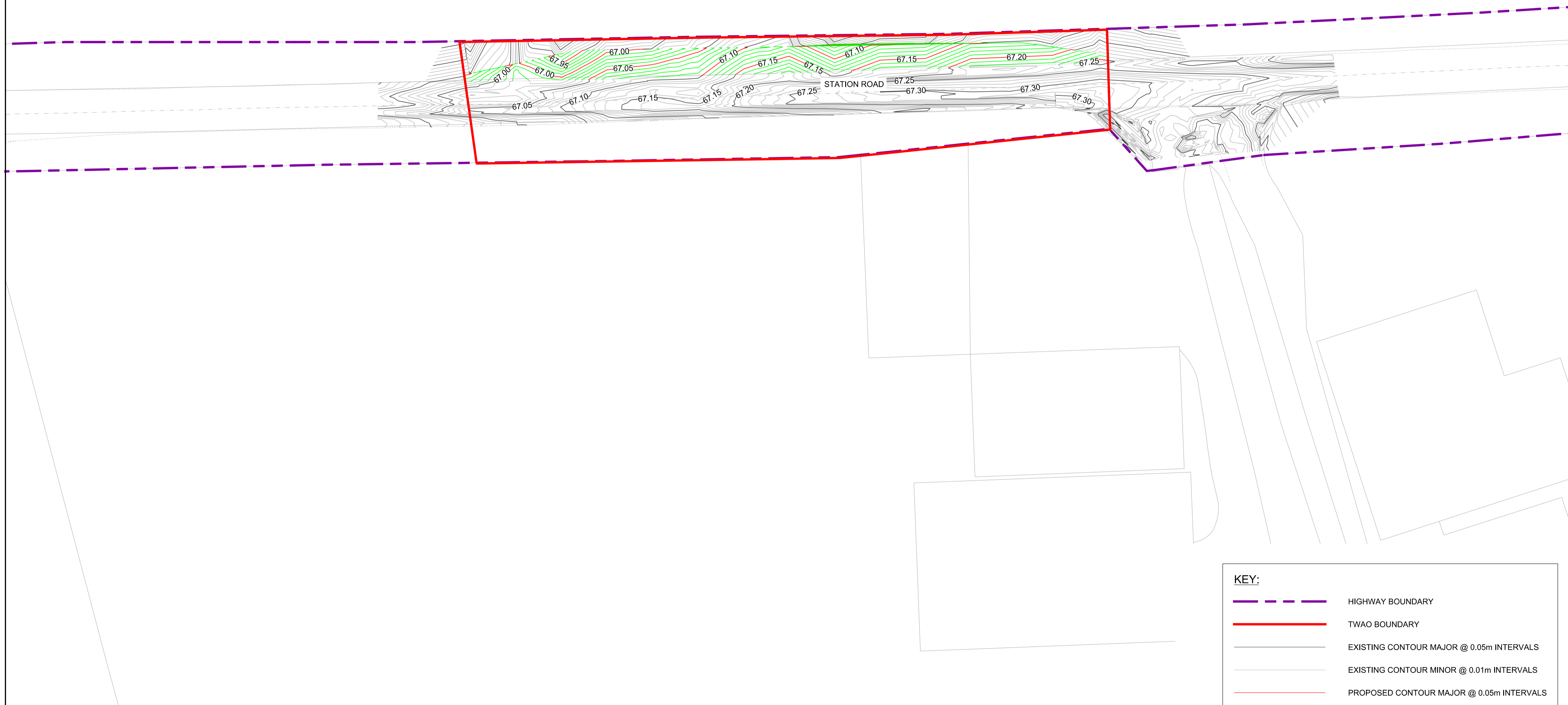
SCALE 1:250  
@ A1 SHEET SIZE





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.



Rev	Date	Description of Revisions	Desd	Chkd	Appr	Suitability
B01	17/05/19	FOR CHECK				

SHARED - for Content Check S1



Project  
 East West Rail  
 (Western Section)  
 Phase 2

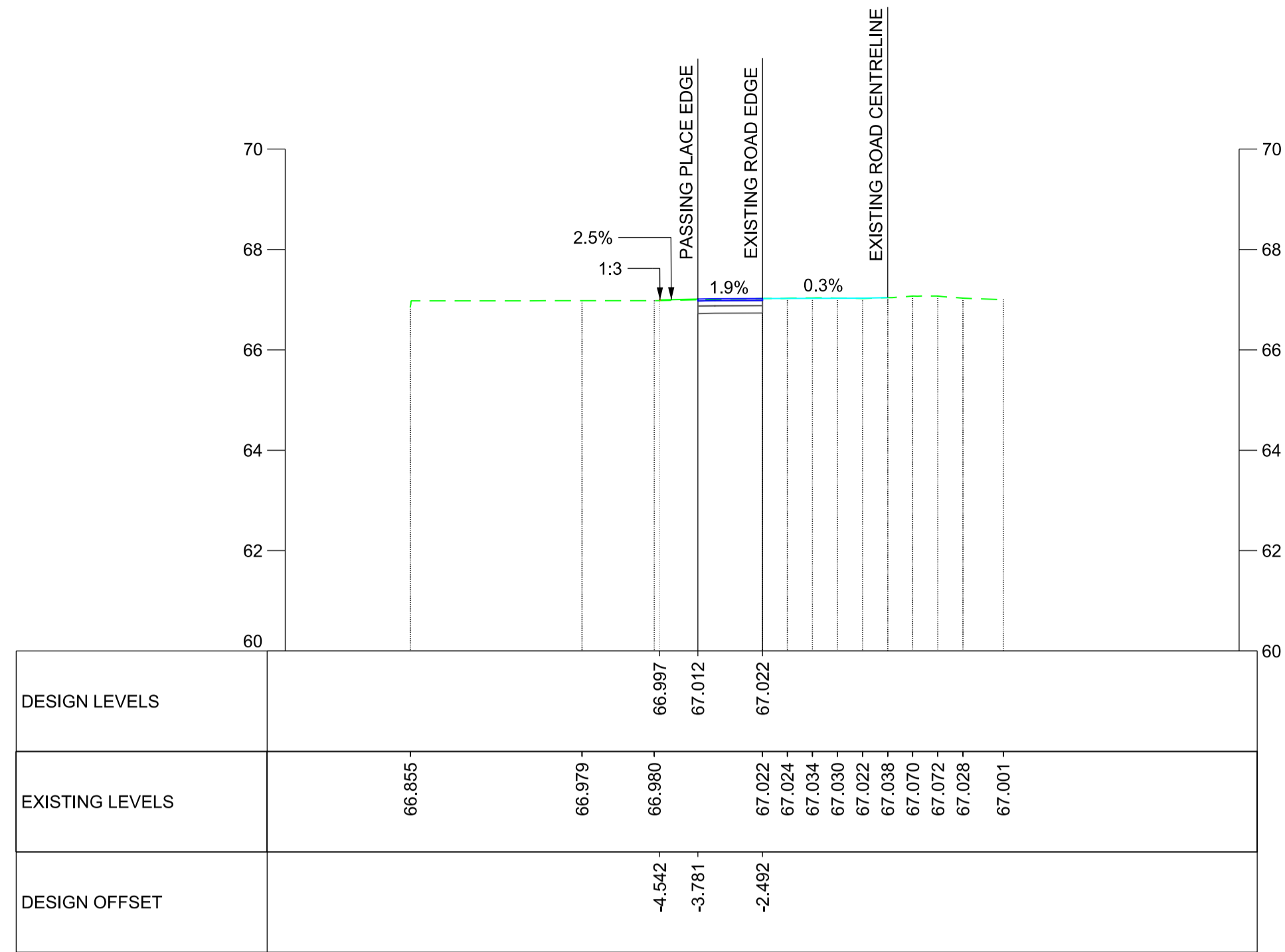
Drawing Title  
 PASSING PLACE A2\_P\_18  
 EXISTING AND PROPOSED  
 CONTOURS

**KEY:**

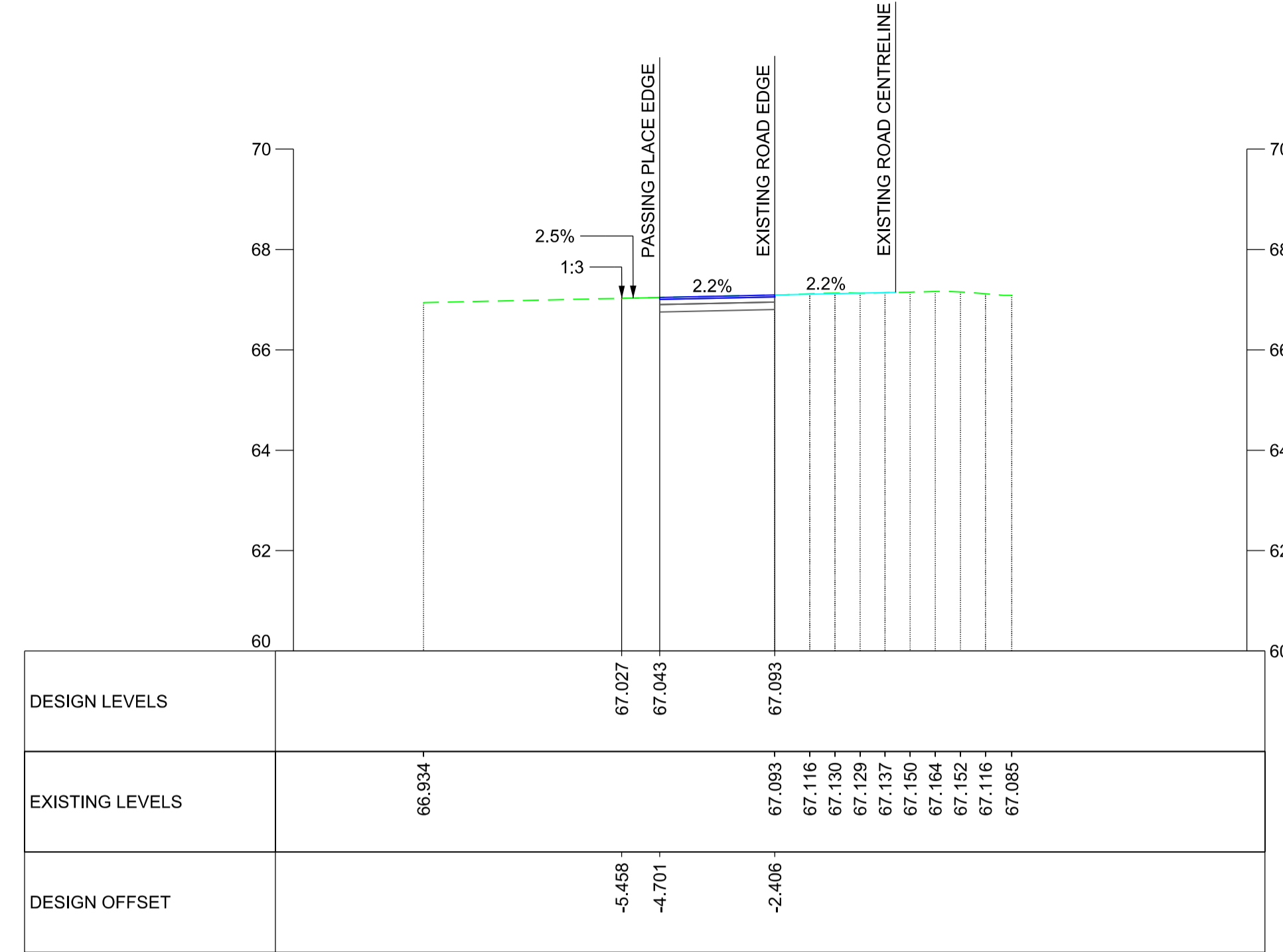
	HIGHWAY BOUNDARY
	TWAO BOUNDARY
	EXISTING CONTOUR MAJOR @ 0.05m INTERVALS
	EXISTING CONTOUR MINOR @ 0.01m INTERVALS
	PROPOSED CONTOUR MAJOR @ 0.05m INTERVALS
	PROPOSED CONTOUR MINOR @ 0.01m INTERVALS

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

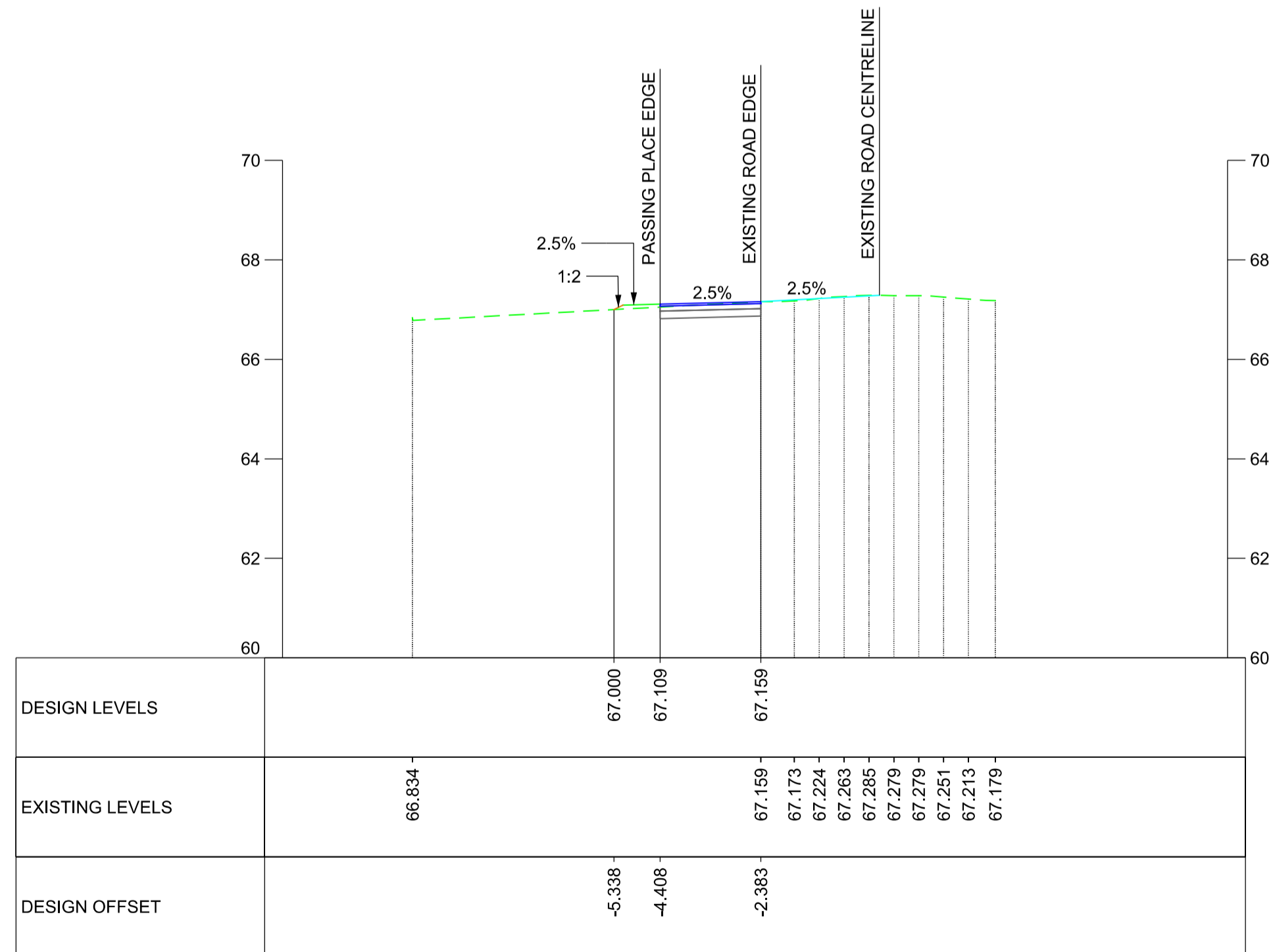
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 Design Package Risk Classification  
 Normal  
 Alternative Reference  
 Drawing Number  
 133735\_2A-EWR-OXD-A2\_P\_18-DR-CH-010003



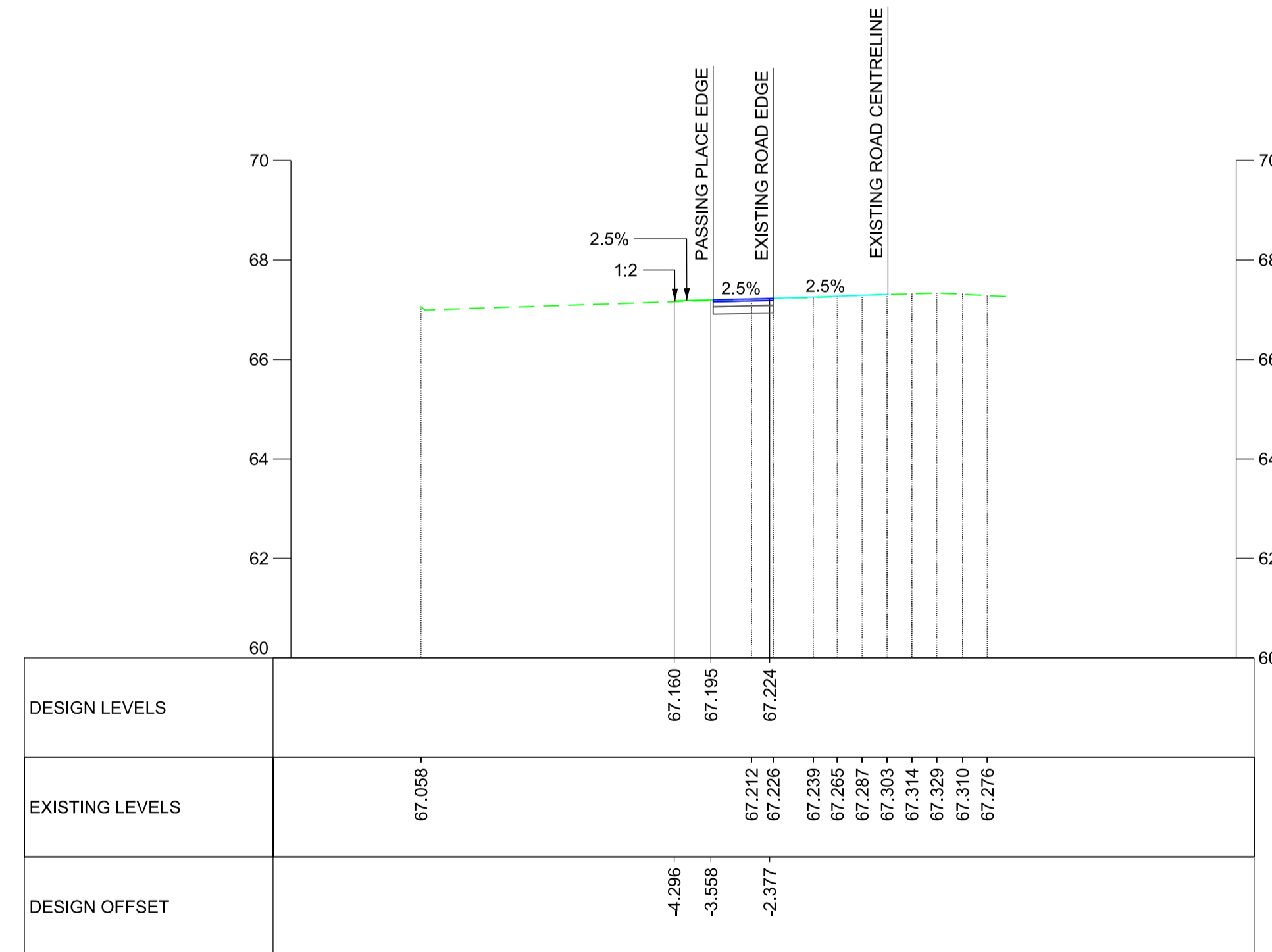
CHAINAGE - 23.0000



CHAINAGE - 40.0000



CHAINAGE - 60.0000



CHAINAGE - 81.0000

**KEY:**

- EXISTING GROUND
- EXISTING CARRIAGEWAY
- PROPOSED CARRIAGEWAY
- PROPOSED ROAD PAVEMENT
- PROPOSED GRASS VERGE
- PROPOSED EARTHWORKS

- NETWORK RAIL (EAST WEST RAIL WESTERN SECTION PHASE 2)**
- NOTES:**
- THIS DRAWING IS NOT TO BE SCALED.
  - ALL DIMENSIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DESIGN PACKAGE OF DRAWINGS AND DOCUMENTS.
  - CHAINAGES SHOWN ON THIS DRAWING ARE ALONG THE ROAD CENTRELINE AS SEEN ON GENERAL ARRANGEMENT DRAWING.
  - EXISTING GROUND EXTRAPOLATED USING TOPO SURVEY FILE 133735\_EW-EWR-XX-XX-M3-G-050057 (B01.01) TO GENERATE EARTHWORKS BY EXTENDING THE EXISTING ROAD CROSSFALL.



B01	17/05/19	FOR CHECK		N.T.	N.R.	E.F.
Rev	Date	Description of Revisions	Dsmd	Chkd	Appr	Status
SHARED - for Content Check						S1



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

Drawing Title  
**PASSING PLACE A2\_P\_18 CROSS-SECTIONS**

Designed	Nagoth Thomas Ravi Kumar	Signed	N. T. R. Kumar	Date	17/05/19
Drawn	Ravikumar KN	Signed	R. KN	Date	27/12/18
Checked	Nadeem Rashid	Signed	N. Rashid	Date	17/05/19
Approved	Edward Findlay	Signed	E. Findlay	Date	17/05/19

Scale(s)	ELR - Project Chainage (Miles Yards)	Sheet	1 of 1
AS SHOWN	OXD -	Design Package Risk Classification	Normal
Alternative Reference		Revision	B01
Drawing Number	133735_2A-EWR-OXD-A2_P_18-DR-CH-030001		