



# MetroWest+

## Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

### 2.7 Disused railway engineering plans / GRIP 4 Minor Civils – Part 2 of 2

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(o)  
Planning Act 2008

Author: Arup

Revision: Version 2

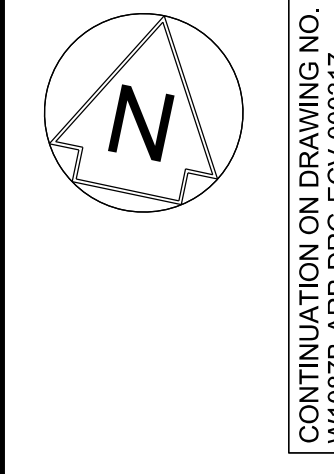
Date: September 2020



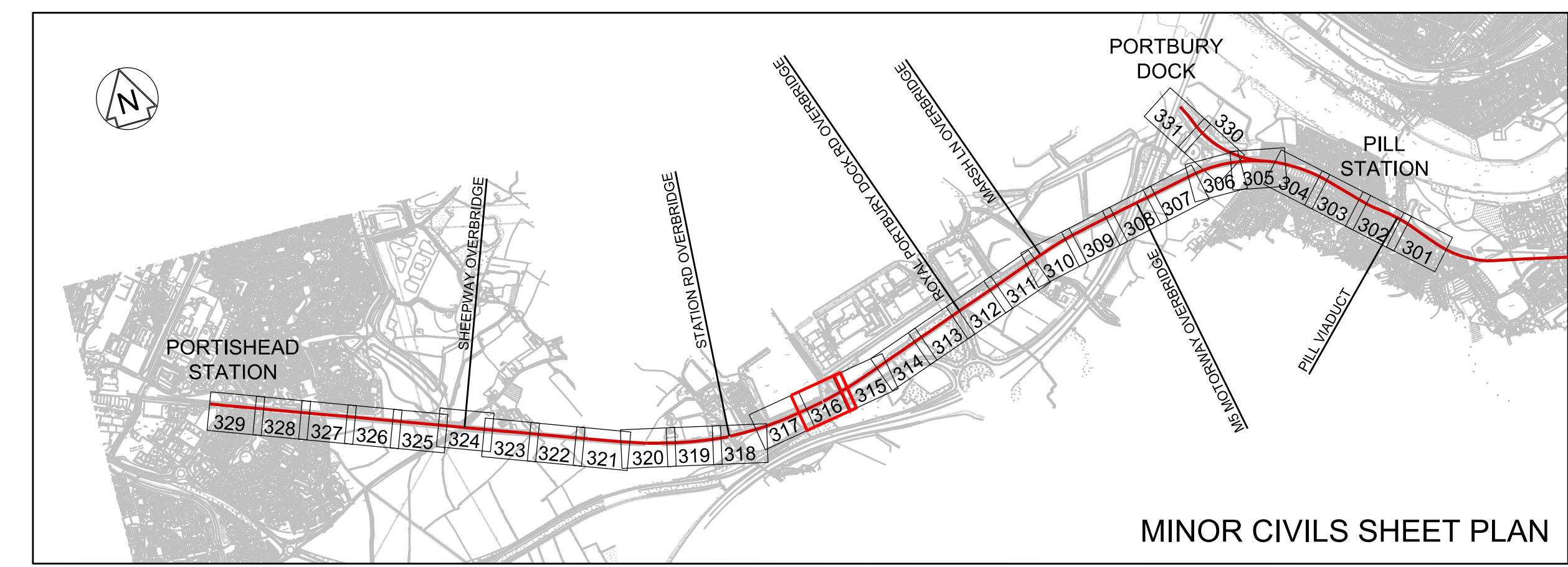
### Document Index

Version	Date	Status of version	Document Index	Document Revision	Changes
1	19 November 2019	Application	2.7 Disused railway engineering plans / GRIP 4 Minor Civils – Sheet 16 to 31: W1097B-ARP-DRG-ECV-000316 Rev A03 W1097B-ARP-DRG-ECV-000317 Rev A03 W1097B-ARP-DRG-ECV-000318 Rev A03 W1097B-ARP-DRG-ECV-000319 Rev A03 W1097B-ARP-DRG-ECV-000320 Rev A03 W1097B-ARP-DRG-ECV-000321 Rev A03 W1097B-ARP-DRG-ECV-000322 Rev A03 W1097B-ARP-DRG-ECV-000323 Rev A03 W1097B-ARP-DRG-ECV-000324 Rev A03 W1097B-ARP-DRG-ECV-000325 Rev A03 W1097B-ARP-DRG-ECV-000326 Rev A03 W1097B-ARP-DRG-ECV-000327 Rev A03 W1097B-ARP-DRG-ECV-000328 Rev A03 W1097B-ARP-DRG-ECV-000329 Rev A03 W1097B-ARP-DRG-ECV-000330 Rev A03 W1097B-ARP-DRG-ECV-000331 Rev A03	-	-
2	21 September 2020	Pre-Preliminary Meeting amendments	2.7 Disused railway engineering plans / GRIP 4 Minor Civils – Sheet 16 to 31: W1097B-ARP-DRG-ECV-000316 Rev <b>A03</b> W1097B-ARP-DRG-ECV-000317 Rev A03 W1097B-ARP-DRG-ECV-000318 Rev <b>A03</b>  W1097B-ARP-DRG-ECV-000319 Rev A03 W1097B-ARP-DRG-ECV-000320 Rev A03 W1097B-ARP-DRG-ECV-000321 Rev A03 W1097B-ARP-DRG-ECV-000322 Rev A03 W1097B-ARP-DRG-ECV-000323 Rev A03 W1097B-ARP-DRG-ECV-000324 Rev <b>A03</b> W1097B-ARP-DRG-ECV-000325 Rev A03 W1097B-ARP-DRG-ECV-000326 Rev A03 W1097B-ARP-DRG-ECV-000327 Rev A03 W1097B-ARP-DRG-ECV-000328 Rev A03 W1097B-ARP-DRG-ECV-000329 Rev A03 W1097B-ARP-DRG-ECV-000330 Rev A03 W1097B-ARP-DRG-ECV-000331 Rev A03	<b>A04</b> N/A <b>A04</b>  N/A N/A N/A N/A N/A <b>A04</b> N/A N/A N/A N/A N/A N/A N/A N/A	'Potential' added to water voles label  'Potential' added to water voles label; text deleted ref. cable troughs; text deleted ref. retain and fence derelict store; text amended ref. building as a bat roost; and bat symbol and accompanying text box added  Text deleted - ACO climate tunnels no longer required

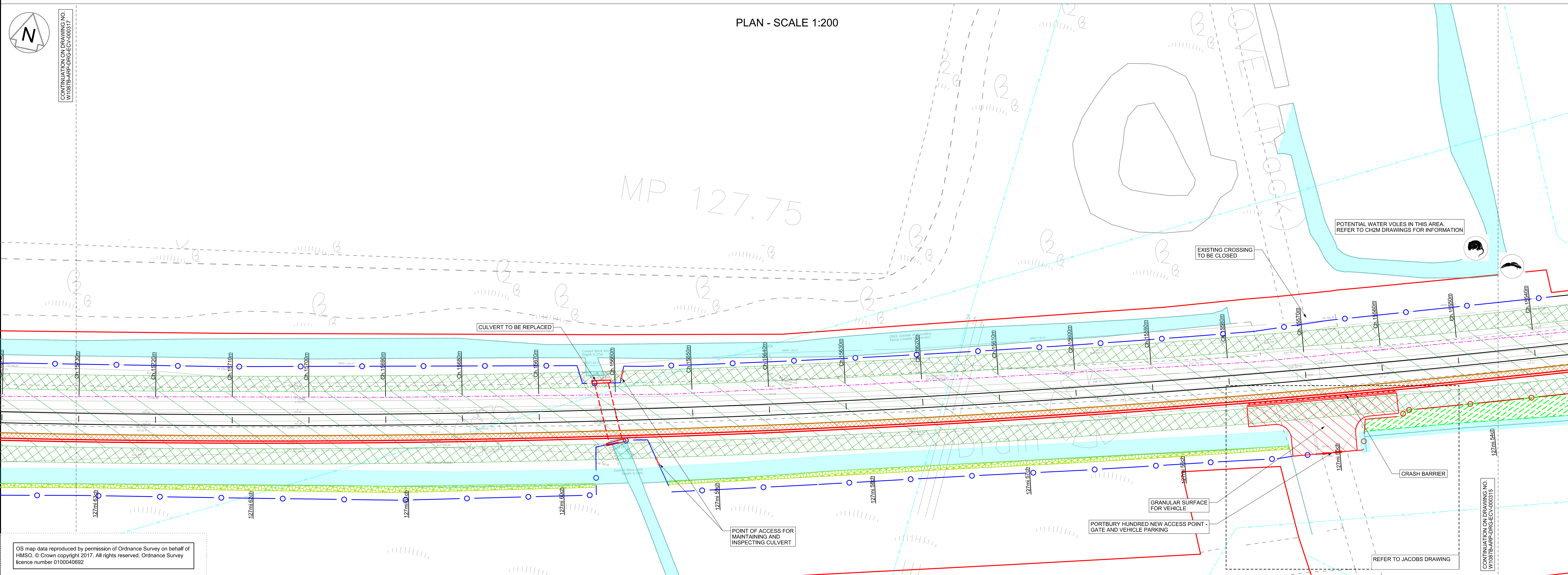




PLAN - SCALE 1:200

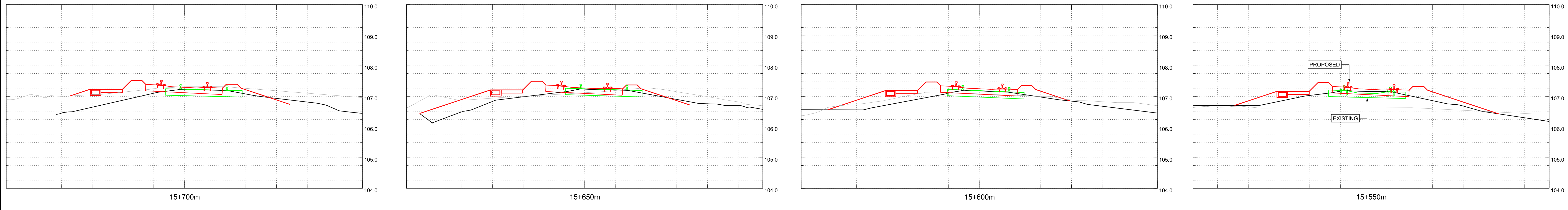


- Legend/Notes
01. ALL LEVELS AND DIMENSIONS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
  02. DO NOT SCALE FROM THIS DRAWING. ONLY FIGURED DIMENSIONS AND LEVELS TO BE USED.
  03. CHAINAGE DATUM IS 4000.000m AT THE 120M 40CH MILE POST ON POD LINE. REGULAR CHAINAGE MARKERS PRESENTED ON LAYOUT DRAWINGS ARE MEASURED ALONG THE PROPOSED RAIL CENTRE LINE.
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  06. CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

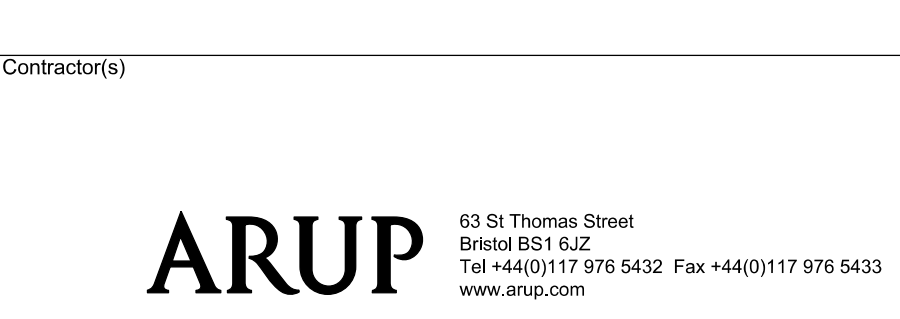


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CROSS SECTIONS - SCALE 1:50



Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A04	20/08/20	FOR DCO PLANNING APPLICATION	JB	RS	RS



MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	— — — — —	WATER VOLES	🦉
EXISTING FENCE GRADE II	— ○ —	PROPOSED SIGNAL (NOT TO SCALE)	☑	FOUL SEWER	— — — — —	BATS	🦇
EXISTING FENCE GRADE III	— — —	PROPOSED CABINET TO BE REMOVED/RELOCATED	☒	RIISING MAIN	— — — — —	DORMICE	🐭
EXISTING FENCE REMOVED	— — —	EXISTING CABINET LOCATION	☑	SEWER SURFACE	— — — — —	OTTERS	🦦
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— — —	EXISTING SIGNAL TO BE REMOVED	☑	SEWER SURFACE	— — — — —	REPTILES	🐍
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— — —	EXISTING CABINET LOCATION	☑	HIGH VOLTAGE ELECTRICITY - BELOW GROUND	— — — — —	GREAT CRESTED NEWT	🦎
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— — —	MINOR EARTHWORKS RETAINING STRUCTURE	☑	LOW VOLTAGE ELECTRICITY - BELOW GROUND	— — — — —	BIRD BOX (PROPOSED)	🏠
PROPOSED FENCE GRADE I	— — —	EARTHWORKS STRUCTURE	☑	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	— — — — —	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	🌿
PROPOSED FENCE GRADE II	— — —	NOISE BARRIER	☑	GRSS PIPELINE	— — — — —	WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED FENCE GRADE III	— — —	DEVELOPMENT CONSENT ORDER (DCO)	☑	BT CABLE - BELOW GROUND	— — — — —	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
PROPOSED TROUHING	— — —	LAND BOUNDARY	☑	BT CABLE ABOVE GROUND	— — — — —	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	🌳
EXISTING TROUHING	— — —	CONTINUOUS POSITION OF SAFETY	☑	CABLE & WIRELESS	— — — — —		
REMOVED TROUHING	— — —	AUTHORISED WALKING ROUTE	☑	VIRGIN MEDIA CABLE - BELOW GROUND	— — — — —		
EXISTING TROUHING MODIFIED/REPLACED	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☑	VERIZON BACKBONE DUCT - BELOW GROUND	— — — — —		
PROPOSED UNDER TRACK CROSSING (UTX)	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☑	EXISTING DITCHES TO BE RETAINED/REPLACED	— — — — —		
EXISTING UNDER TRACK CROSSING (UTX)	— — —						
REMOVED UNDER TRACK CROSSING (UTX)	— — —						

Project: METROWEST PHASE 1

Contractor(s):

Design Title: DISUSED RAILWAY ENGINEERING PLANS

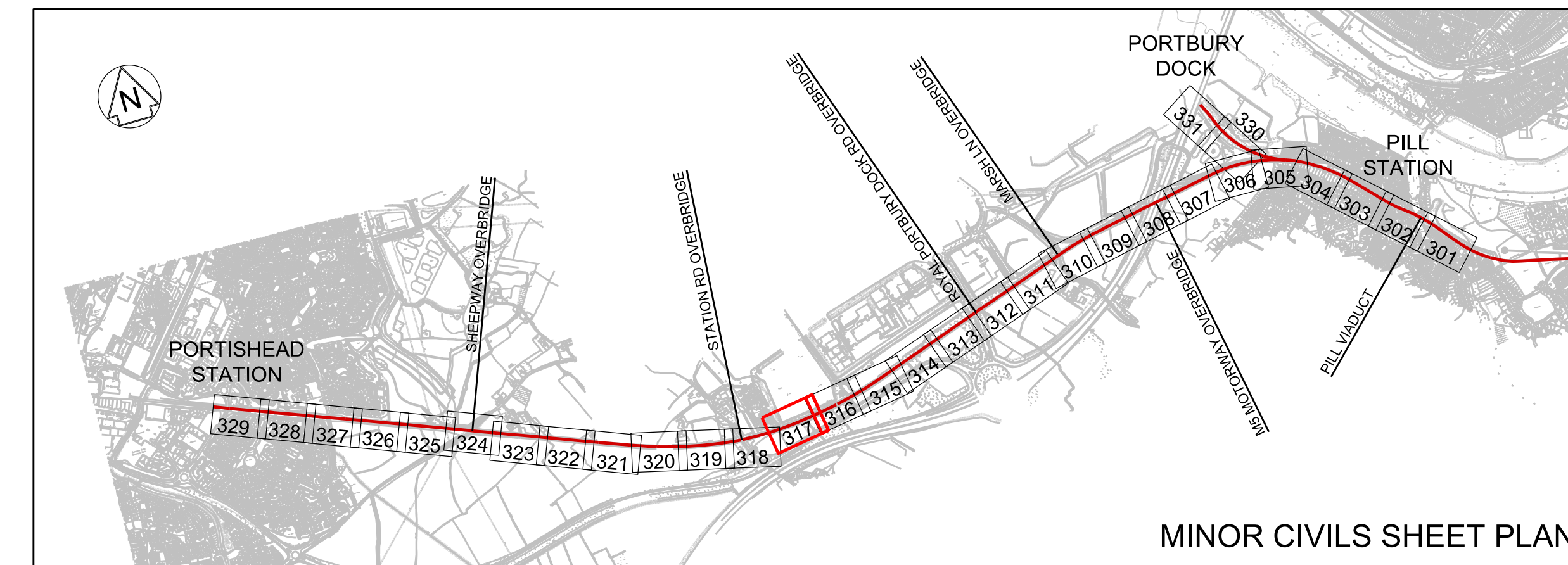
GRIP 4 MINOR CIVILS

CH.15540m TO CH.15730m

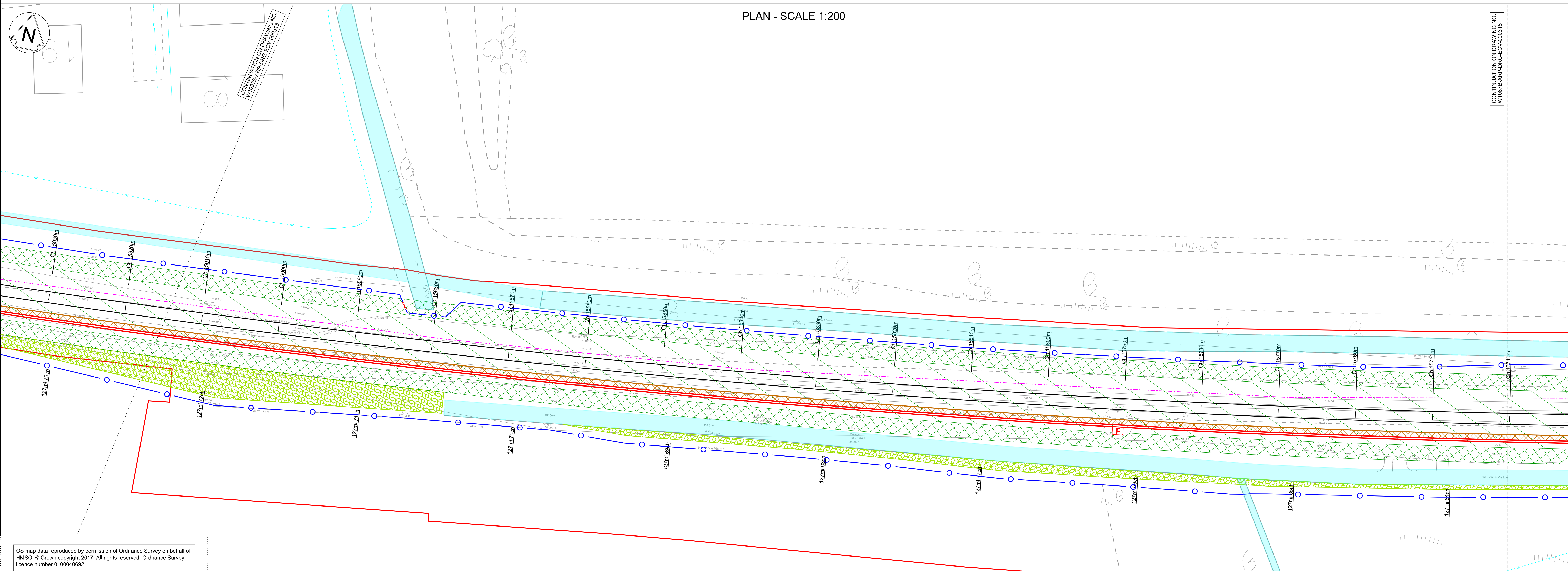
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Drawing Number: W1097B-ARP-DRG-ECV-000316 | A04



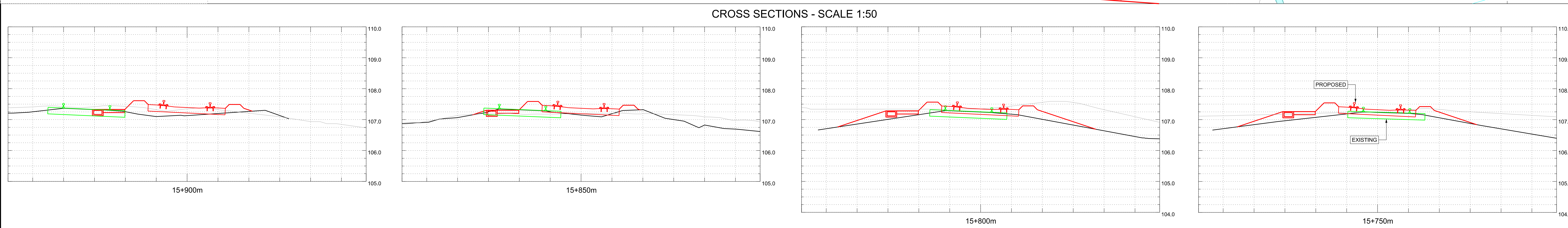
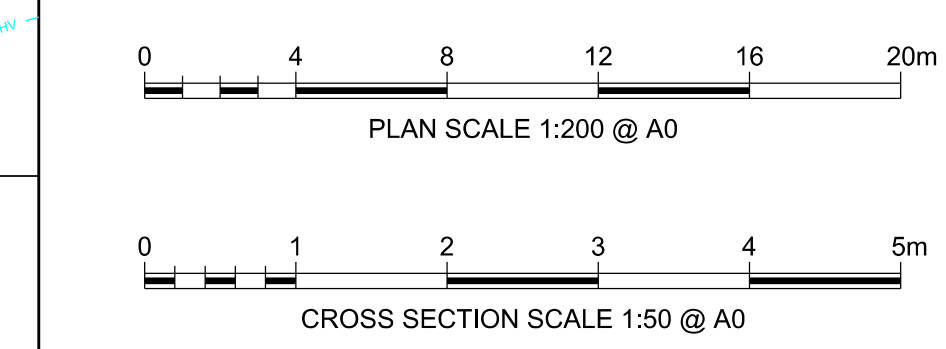


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PLAN - SCALE 1:200

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CROSS SECTIONS - SCALE 1:50

Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.	Submittal
A01	15/03/18	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/18	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



Project METROWEST PHASE 1

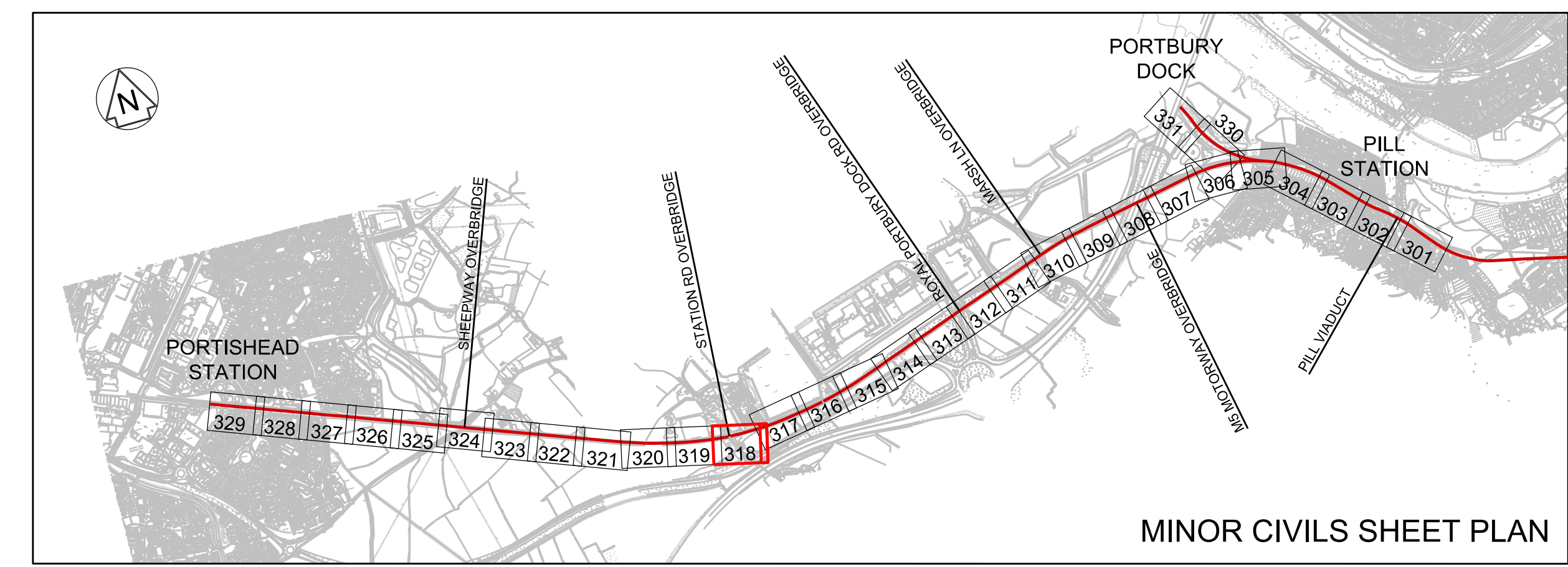
Drawing Title  
DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.15740m TO CH.15930m

Design	Checked	Approved	Scale(s)	Alternative Reference	Sheet
J. BACINSKI	R. SNELL	R. SNELL	1:200	POD 127M 64CH	17 of 31

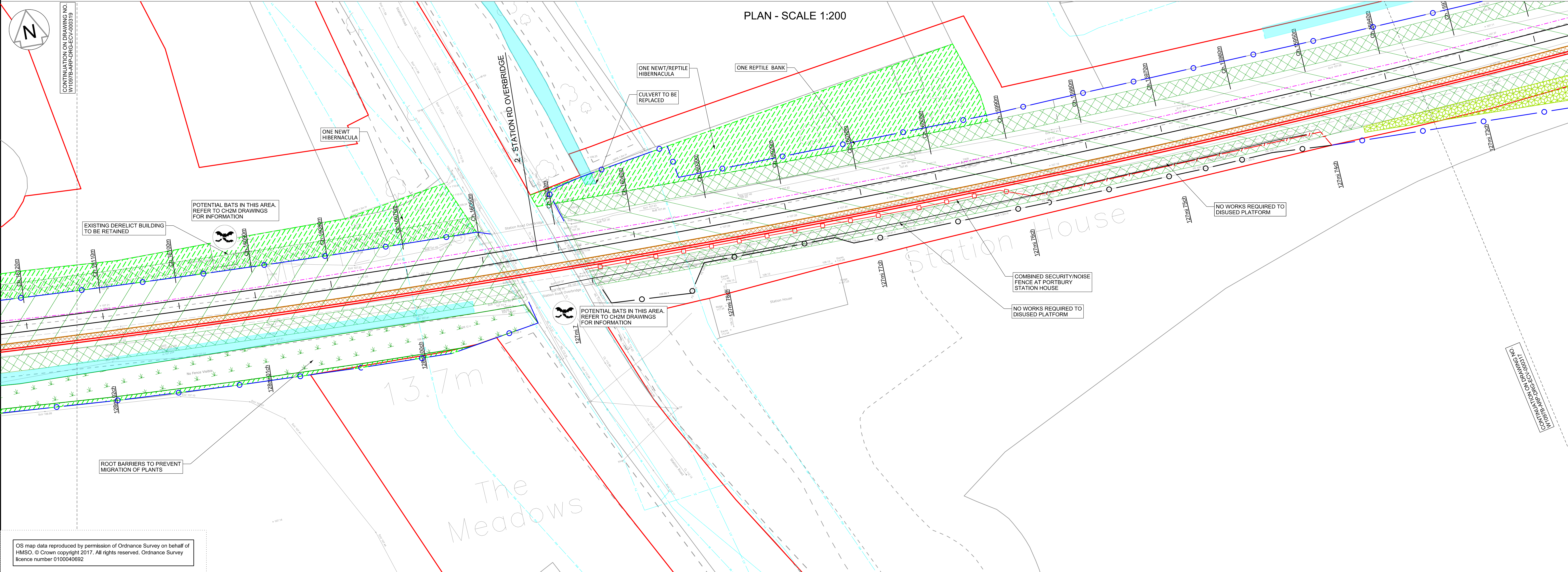
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MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	— — — — —	WATER VOLES	🦉
EXISTING FENCE GRADE II	— ○ —	PROPOSED SIGNAL (NOT TO SCALE)	☑	FOUL SEWER	— — — — —	BATS	🦇
EXISTING FENCE GRADE III	— — —	PROPOSED CABINET TO BE REMOVED/RELOCATED	☒	RISING MAIN	— — — — —	DORMICE	🐭
EXISTING FENCE REMOVED	— — —	EXISTING CABINET LOCATION	☑	SEWER SURFACE	— — — — —	OTTERS	🦦
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— — —	EXISTING SIGNAL TO BE REMOVED	☑	SEWER SURFACE	— — — — —	REPTILES	🐍
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— — —	EXISTING CABINET LOCATION	☑	SEWER SURFACE	— — — — —	GREAT CRESTED NEWT	🦎
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— — —	MINOR EARTHWORKS RETAINING STRUCTURE	☑	SEWER SURFACE	— — — — —	BIRD BOX (PROPOSED)	🏠
PROPOSED FENCE GRADE I	— — —	EARTHWORKS STRUCTURE	☑	SEWER SURFACE	— — — — —	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	🌿
PROPOSED FENCE GRADE II	— — —	NOISE BARRIER	☑	SEWER SURFACE	— — — — —	WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED FENCE GRADE III	— — —	DEVELOPMENT CONSENT ORDER (DCO)	☑	SEWER SURFACE	— — — — —	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
PROPOSED TROUHING	— — —	LAND BOUNDARY	☑	SEWER SURFACE	— — — — —	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	🌳
REMOVED TROUHING	— — —	CONTINUOUS POSITION OF SAFETY	☑	SEWER SURFACE	— — — — —		
EXISTING TROUHING MODIFIED/REPLACED	— — —	AUTHORISED WALKING ROUTE	☑	SEWER SURFACE	— — — — —		
PROPOSED UNDER TRACK CROSSING (UTX)	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☑	SEWER SURFACE	— — — — —		
EXISTING UNDER TRACK CROSSING (UTX)	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☑	SEWER SURFACE	— — — — —		
REMOVED UNDER TRACK CROSSING (UTX)	— — —		☑	SEWER SURFACE	— — — — —		

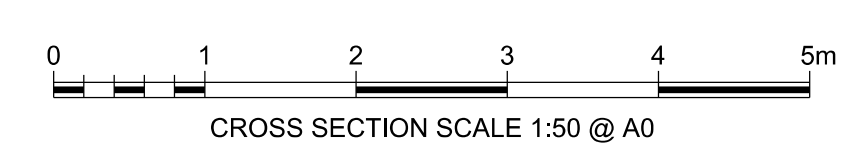
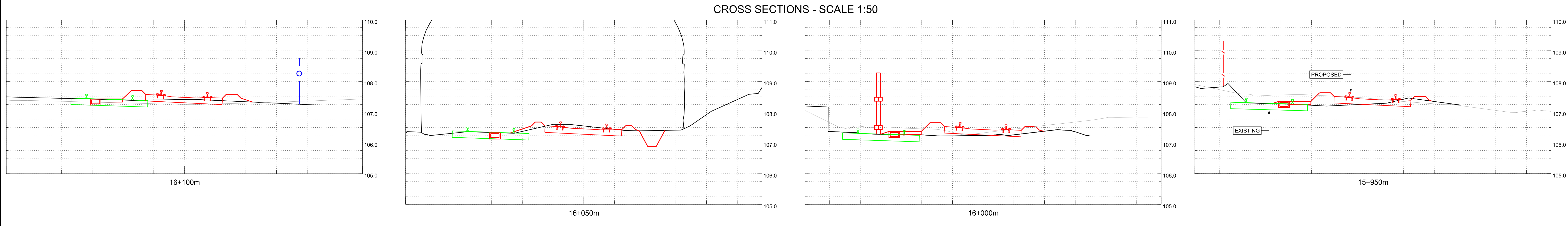
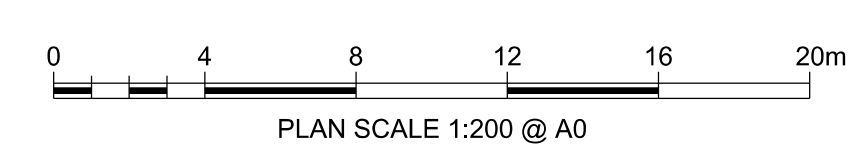




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A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A04	20/08/20	FOR DCO PLANNING APPLICATION	JB	RS	RS	

Rev: Date Description of Revisions Drawn Chkd Appr Submittal

**FIT FOR INFORMATION** S2



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61 St Thomas Street  
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www.arup.com

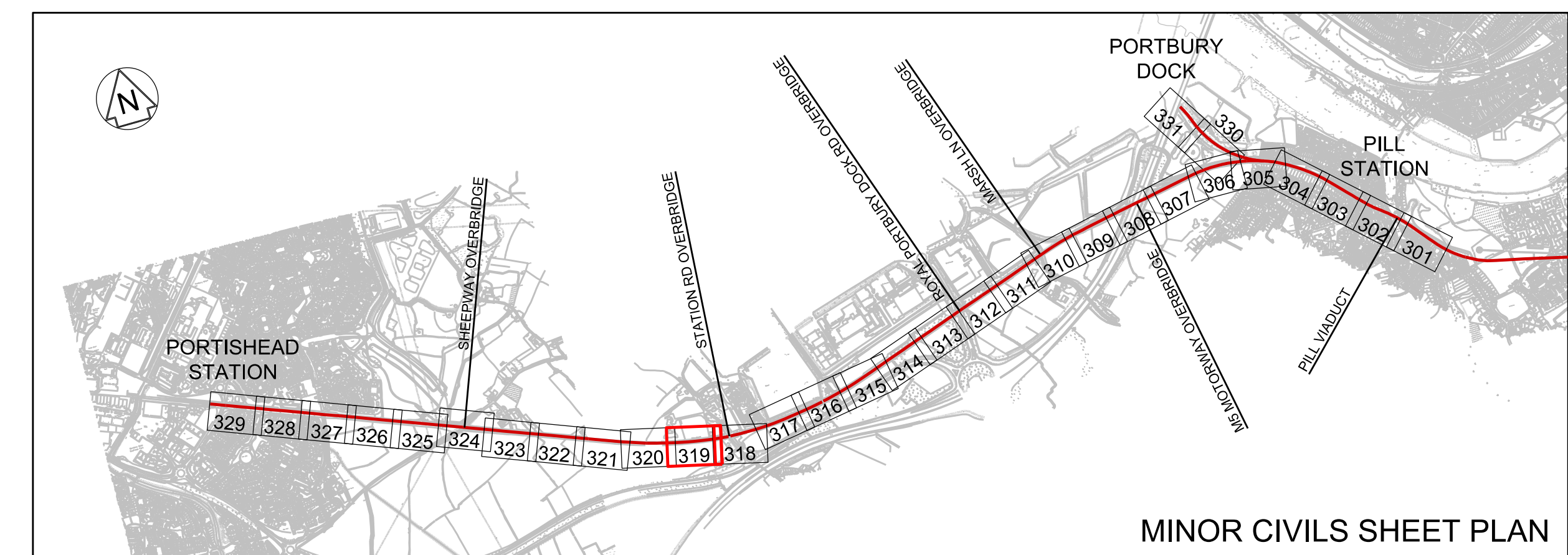
Project: **METROWEST PHASE 1**

Drawing Title: **DISUSED RAILWAY ENGINEERING PLANS**  
**GRP 4 MINOR CIVILS**  
**CH.15920m TO CH.16120m**

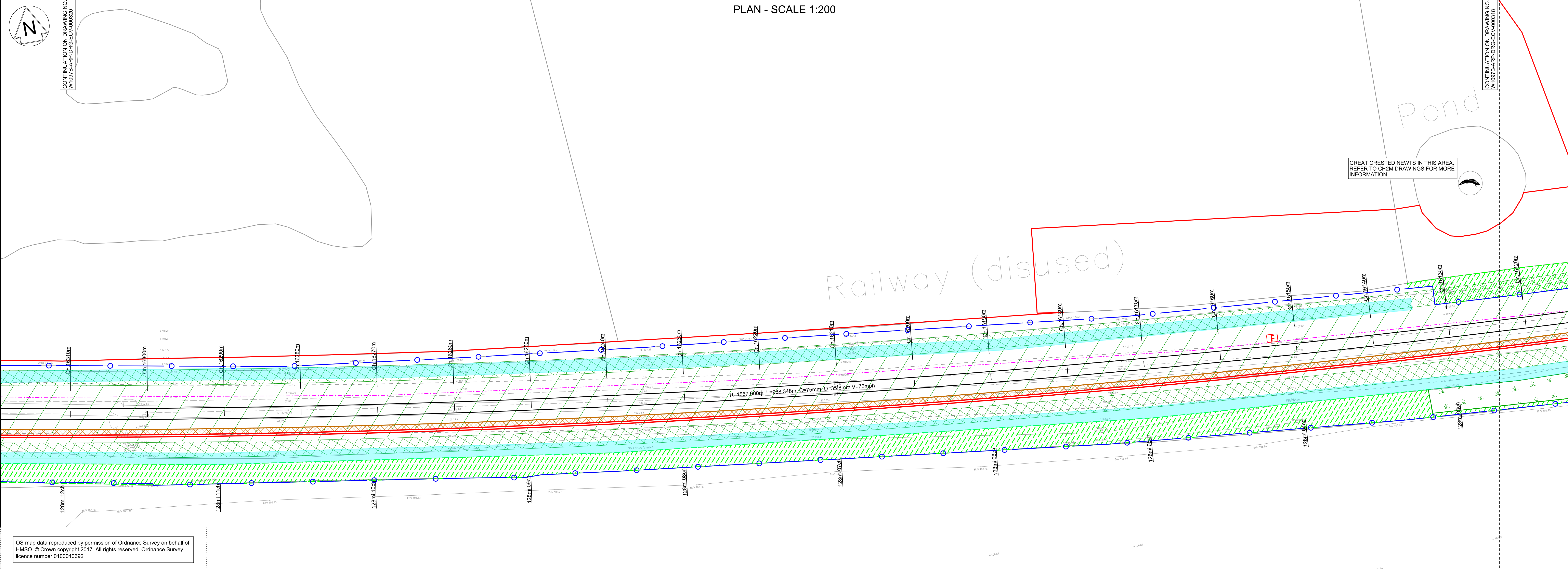
Design	Drawn	Checked	Approved	Scale(s)	Alternative Reference	Sheet	Date
J. BACINSKI	J. BACINSKI	R. SNELL	R. SNELL	1:200	POD 127M 73CH	18	28/08/20

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMoured FIBRE CABLE	— · — · — ·	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE		BATS	☹
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	TELEPHONE (PROPOSED)	☒	DORMICE	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	BOX ON POST (PROPOSED)	☒	OTTERS	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	EXISTING CABINET LOCATION	□	FIBRE JOINT (PROPOSED)	☒	REPTILES	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	☒	GREAT CRESTED NEWT	☹
PROPOSED FENCE GRADE I	— / — / —	EARTHWORKS STRUCTURE	☒	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	☒	BIRD BOX (PROPOSED)	☹
PROPOSED FENCE GRADE II	— / — / —	NOISE BARRIER	☒			AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE III	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒			WOODLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED TROUHING	— / — / —	LAND BOUNDARY	☒			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☒
EXISTING TROUHING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
REMOVED TROUHING	— / — / —	AUTHORISED WALKING ROUTE	☒				
EXISTING TROUHING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒				
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒				
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

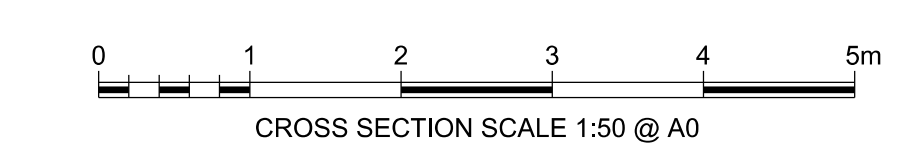
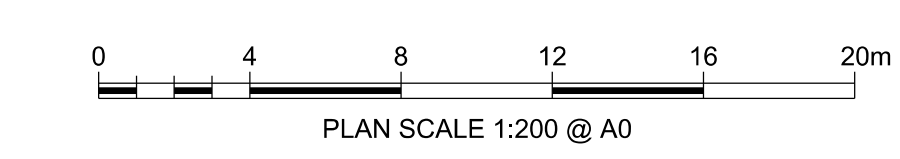
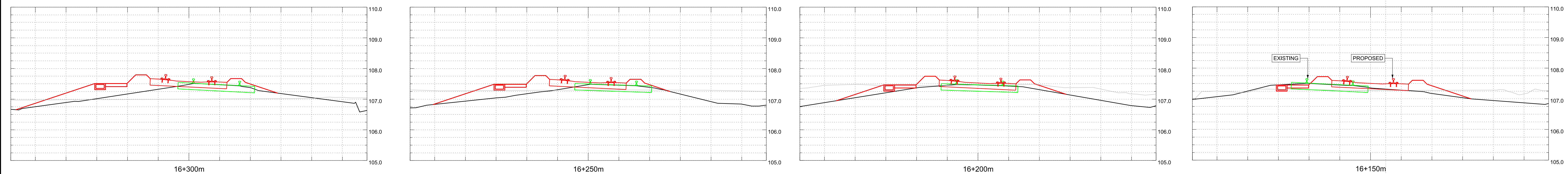




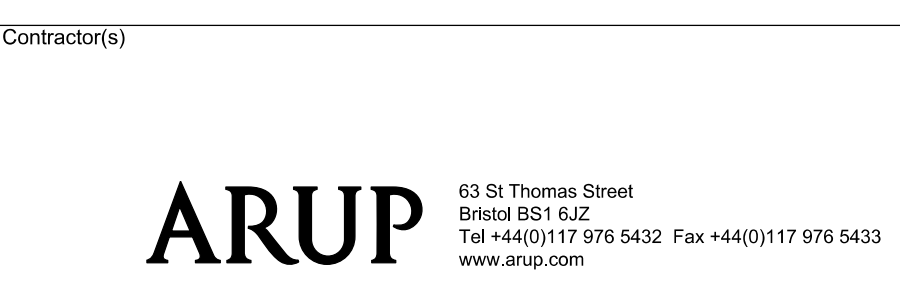
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CROSS SECTIONS - SCALE 1:50



A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
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					Submittal



MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURD FIBRE CABLE	— · — · — · — · — · — · — · — ·	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE		BATS	☺
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	TELEPHONE (PROPOSED)	□	DORMICE	☺
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	BOX ON POST (PROPOSED)	□	OTTERS	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	FIBRE JOINT (PROPOSED)	□	REPTILES	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	□	GREAT CRESTED NEWT	☺
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PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	□	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	▨
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□			WOODLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	□			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	□			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	▨
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	□				
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	□				
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	□				
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

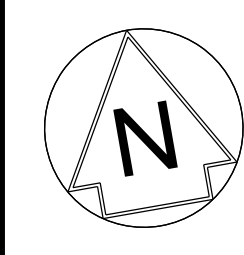
Project: METROWEST PHASE 1

Drawing Title: DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.16120m TO CH.16310m

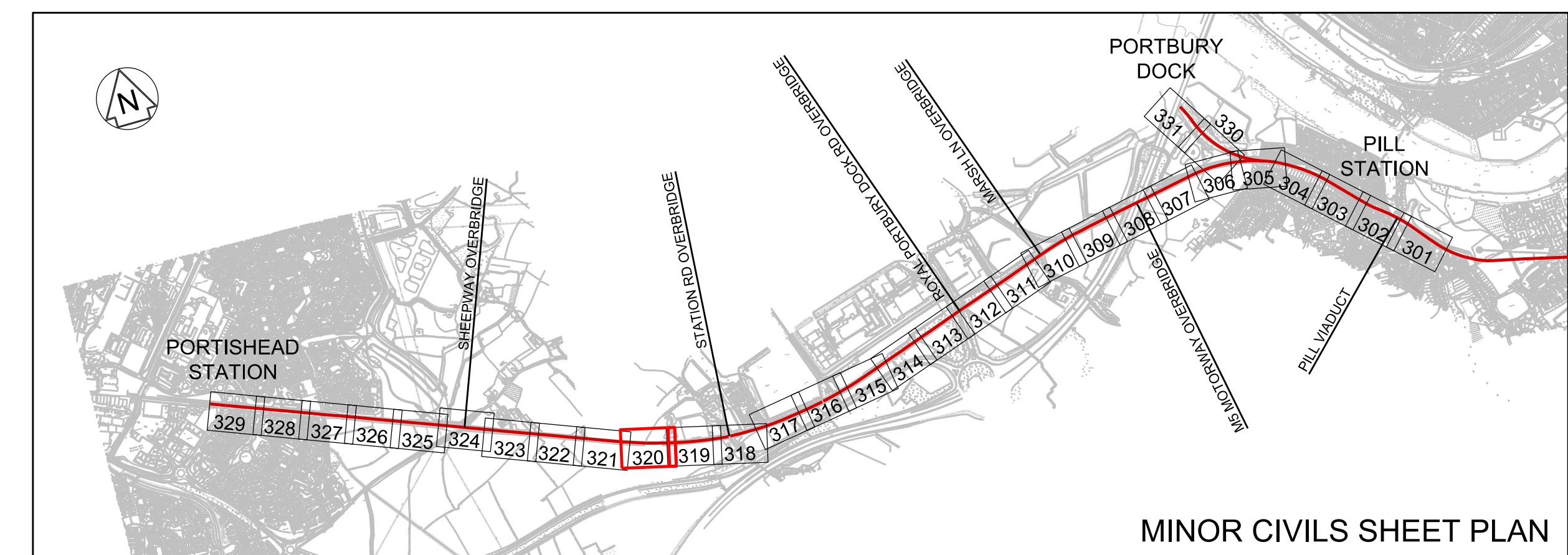
Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19

Scales: 1:200  
Alternative Reference: POD 128M 03CH  
Drawing Number: W1097B-ARP-DRG-ECV-000319 A03  
Sheet: 19 of 31  
Revision:



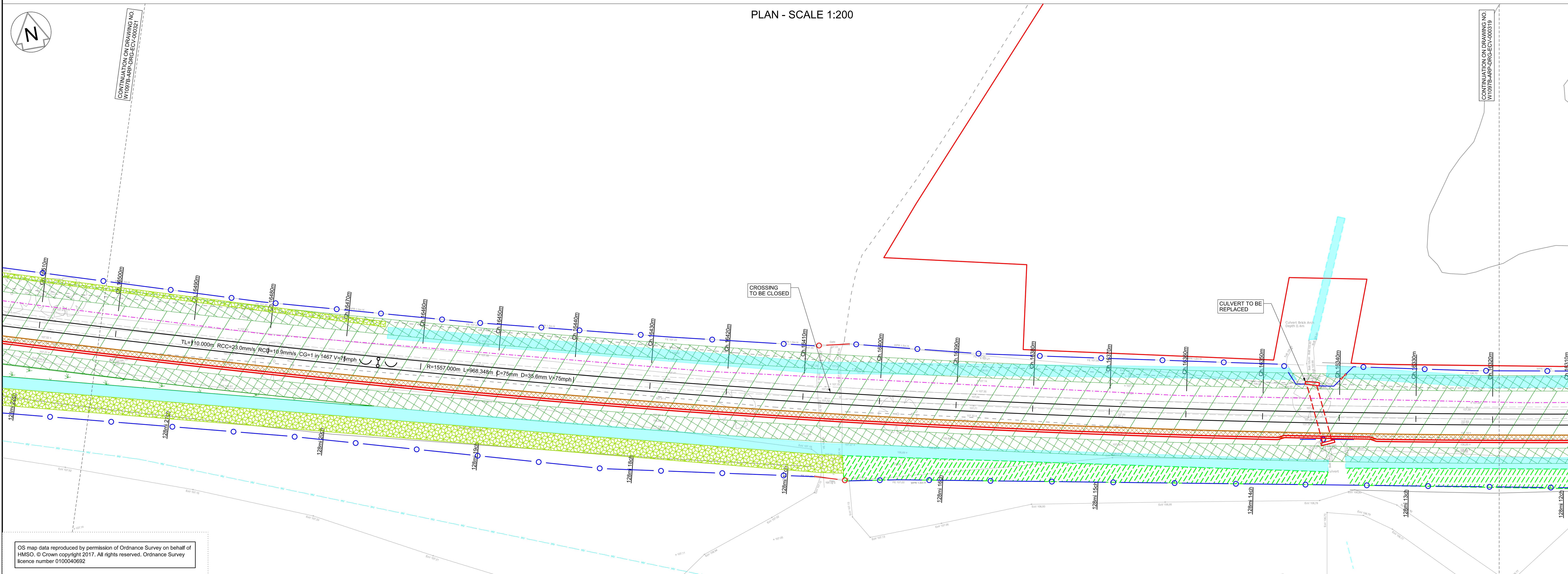


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W1097B-ARP-DRG-ECV-000321

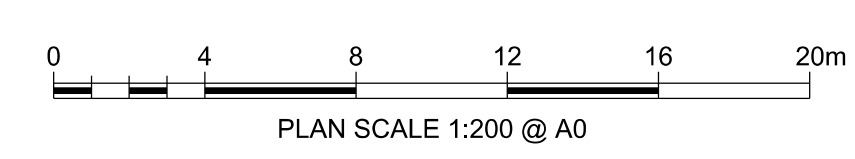


- Legend/Notes
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  - DO NOT SCALE FROM THIS DRAWING. ONLY FIGURED DIMENSIONS AND LEVELS TO BE USED.
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  - THIS DRAWING IS BASED UPON TOPOGRAPHICAL SURVEY PROVIDED BY SEVERN PARTNERSHIP ON 19TH SEPTEMBER 2015.
  - CROSS SECTIONS ARE BASED ON INFORMATION FROM TOPOGRAPHY, LIDAR AND SITE VISIT MEASUREMENTS. CROSS SECTIONS TO BE VERIFIED AT DETAILED DESIGN.
  - CROSS SECTIONS ARE TAKEN FACING INCREASING CHANGING.

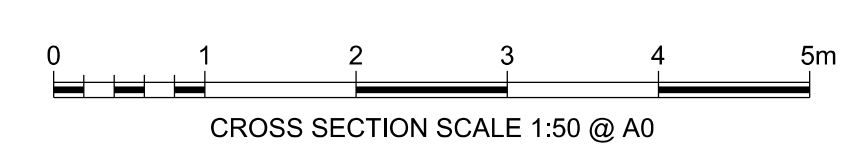
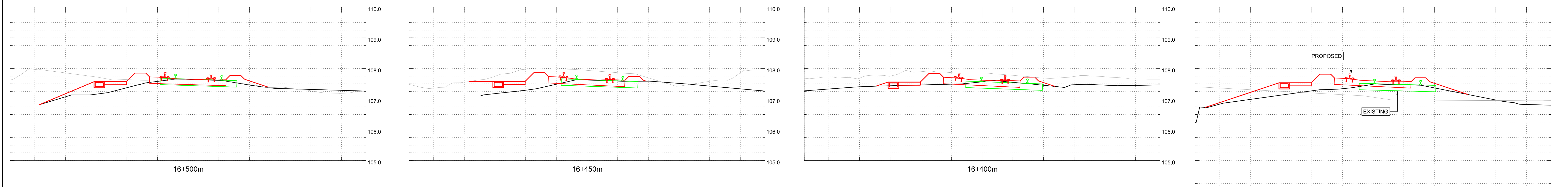
PLAN - SCALE 1:200



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CROSS SECTIONS - SCALE 1:50



Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Submittal
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



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www.arup.com

Project: **METROWEST PHASE 1**

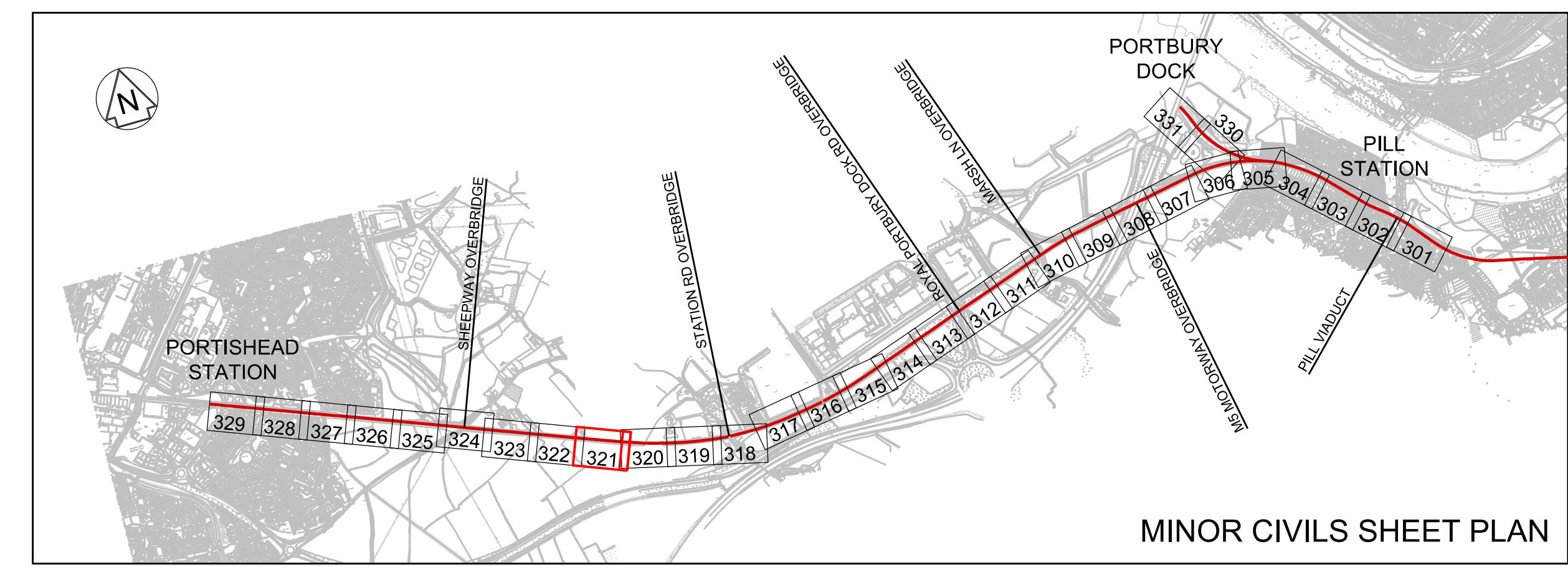
Drawing Title: **DISUSED RAILWAY ENGINEERING PLANS**  
**GRIP 4 MINOR CIVILS**  
**CH.16310m TO CH.16510m**

Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19

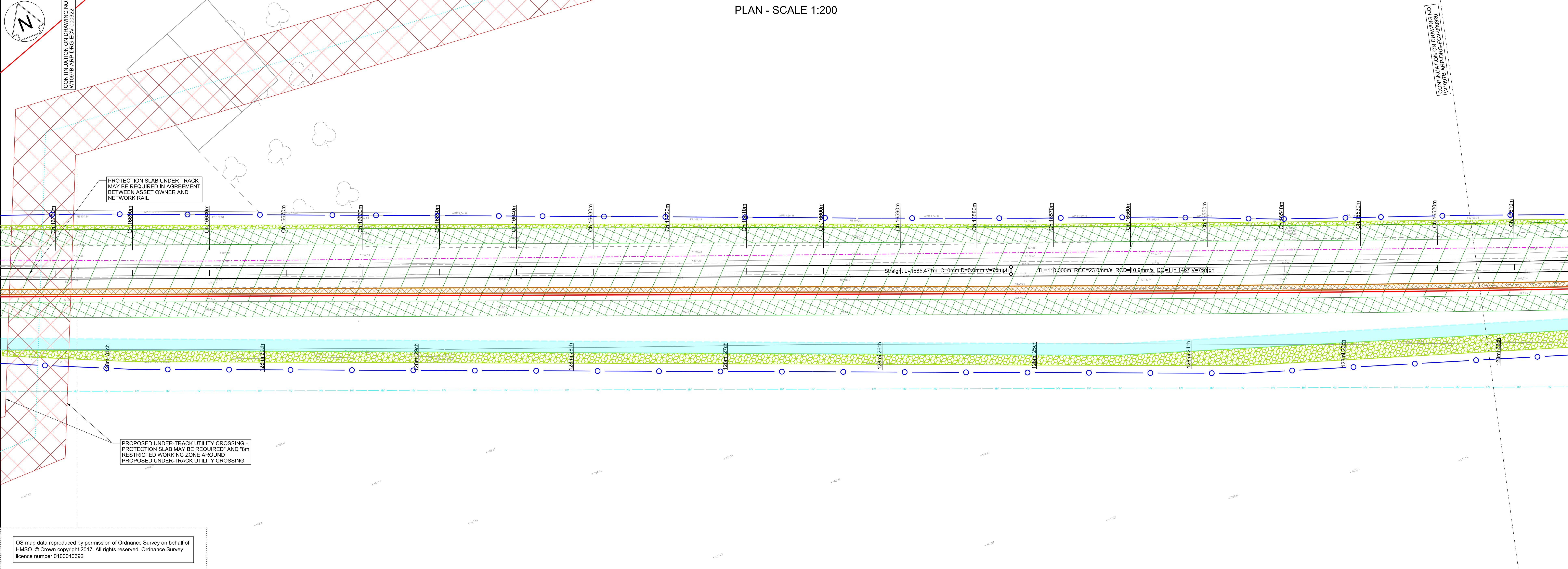
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Alternative Reference: POD 128M 12CH  
Drawing Number: W1097B-ARP-DRG-ECV-000320  
Sheet: 20 of 31  
Revision:

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)		WATER MAIN		WATER VOLES	
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)		FOUL SEWER		BATS	
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED		RISING MAIN		DORMICE	
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED		SEWER SURFACE		OTTERS	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION		SEWER SURFACE		REPTILES	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE		HIGH VOLTAGE ELECTRICITY - BELOW GROUND		GREAT CRESTED NEWT	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE		LOW VOLTAGE ELECTRICITY - BELOW GROUND		BIRD BOX (PROPOSED)	
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER		HIGH VOLTAGE ELECTRICITY - ABOVE GROUND		AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)		LOW VOLTAGE ELECTRICITY - ABOVE GROUND		WOODLAND TO BE PLANTED DURING CONSTRUCTION	
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY		GROSS PIPELINE		GRASSLAND TO BE PLANTED DURING CONSTRUCTION	
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY		LOW PRESSURE GAS MAIN		HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE		MEDIUM PRESSURE GAS MAIN			
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION		HIGH PRESSURE GAS MAIN			
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED		BT CABLE - BELOW GROUND			
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —			CABLE & WIRELESS			
				VIRGIN MEDIA CABLE - BELOW GROUND			
				VERIZON BACKBONE DUCT - BELOW GROUND			
				EXISTING DITCHES TO BE RETAINED/REPLACED			



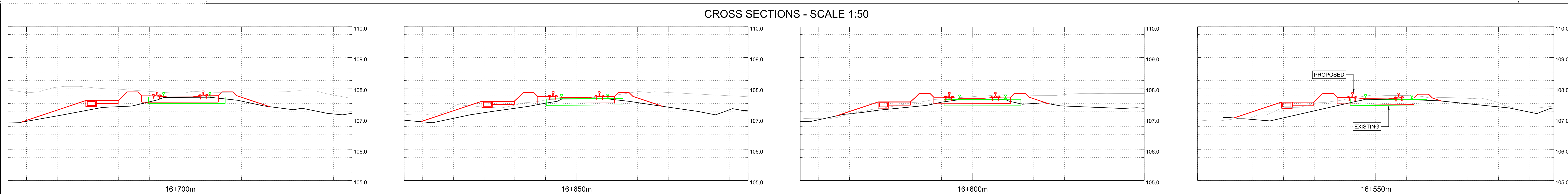
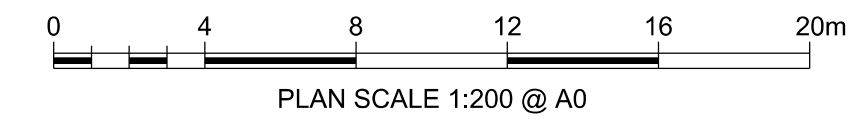


- Legend/Notes
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  4. THIS DRAWING IS BASED UPON TOPOGRAPHICAL SURVEY PROVIDED BY SEVERN PARTNERSHIP ON 19TH SEPTEMBER 2015.
  5. CROSS SECTIONS ARE BASED ON INFORMATION FROM TOPOGRAPHY, LIDAR AND SITE VISIT MEASUREMENTS. CROSS SECTIONS TO BE VERIFIED AT DETAILED DESIGN.
  6. CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

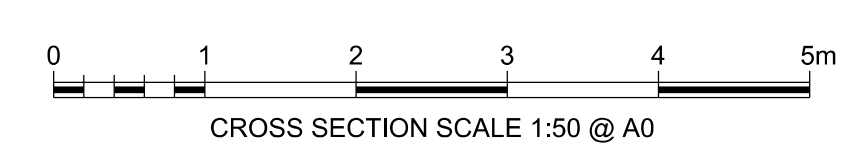


PLAN - SCALE 1:200

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CROSS SECTIONS - SCALE 1:50



A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.

**FIT FOR INFORMATION**

**NetworkRail**

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Project  
**METROWEST PHASE 1**

Drawing Title  
**DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.16510M TO 16700M**

Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19

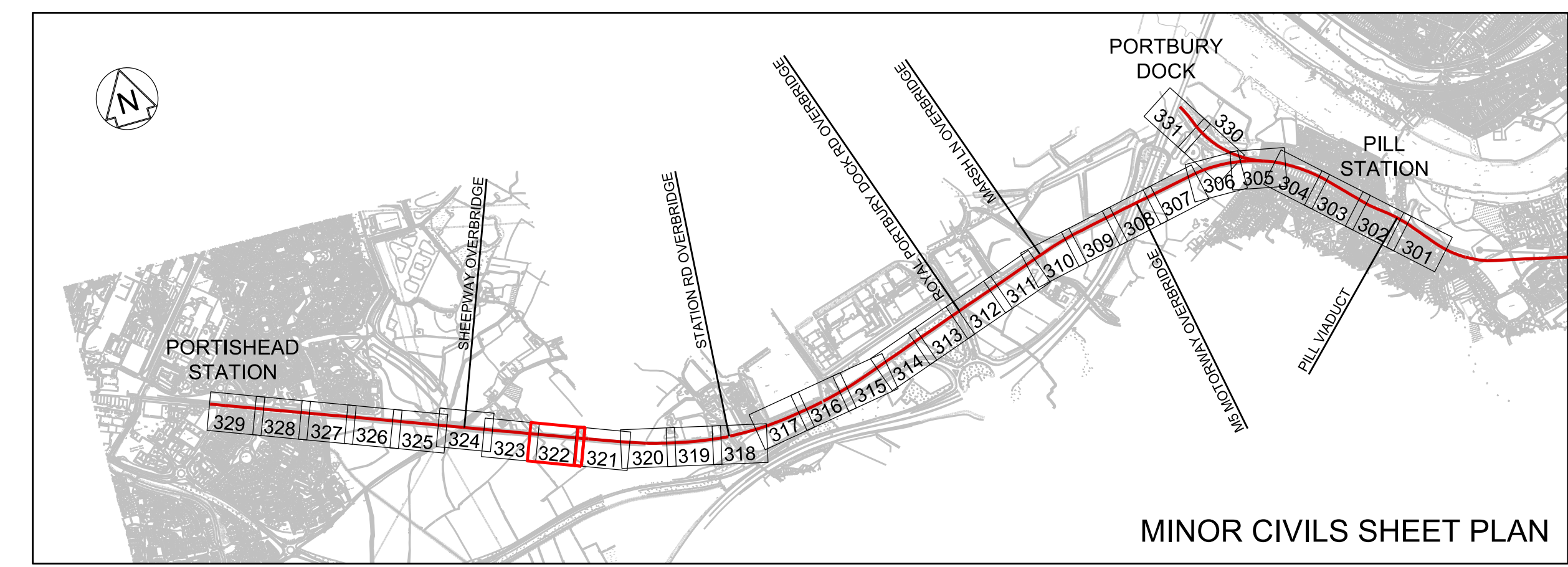
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POD 128M 22CH

Alternative Reference  
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21 of 31

Drawing Number  
W1097B-ARP-DRG-ECV-000321 A03

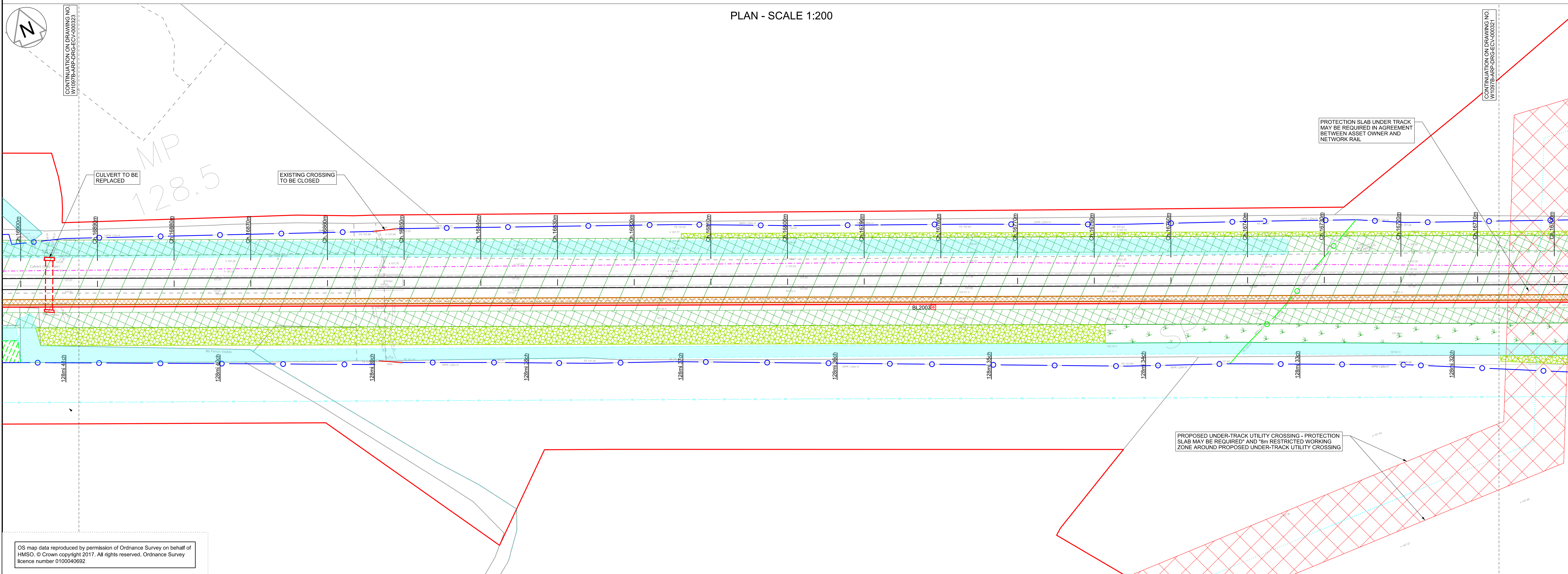
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	— — — — —	WATER VOLES	🦉
EXISTING FENCE GRADE II	— ○ —	PROPOSED SIGNAL (NOT TO SCALE)	Ⓜ	FOUL SEWER	— — — — —	BATS	🦇
EXISTING FENCE GRADE III	— — —	PROPOSED CABINET TO BE REMOVED/RELOCATED	☒	RISING MAIN	— — — — —	DORMICE	🐭
EXISTING FENCE REMOVED	— — —	EXISTING CABINET LOCATION	☒	SEWER SURFACE	— — — — —	OTTERS	🦉
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— — —	EXISTING SIGNAL TO BE REMOVED	Ⓜ	SEWER SURFACE	— — — — —	REPTILES	🐍
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— — —	EXISTING CABINET LOCATION	☒	SEWER SURFACE	— — — — —	GREAT CRESTED NEWT	🦎
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— — —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	SEWER SURFACE	— — — — —	BIRD BOX (PROPOSED)	🏠
PROPOSED FENCE GRADE I	— — —	EARTHWORKS STRUCTURE	☒	SEWER SURFACE	— — — — —	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	🌿
PROPOSED FENCE GRADE II	— — —	NOISE BARRIER	☒	SEWER SURFACE	— — — — —	WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED FENCE GRADE III	— — —	DEVELOPMENT CONSENT ORDER (DCO)	☒	SEWER SURFACE	— — — — —	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
PROPOSED TROUGHING	— — —	LAND BOUNDARY	☒	SEWER SURFACE	— — — — —	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	🌳
REMOVED TROUGHING	— — —	CONTINUOUS POSITION OF SAFETY	☒	SEWER SURFACE	— — — — —		
EXISTING TROUGHING MODIFIED/REPLACED	— — —	AUTHORISED WALKING ROUTE	☒	SEWER SURFACE	— — — — —		
PROPOSED UNDER TRACK CROSSING (UTX)	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	SEWER SURFACE	— — — — —		
EXISTING UNDER TRACK CROSSING (UTX)	— — —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒	SEWER SURFACE	— — — — —		
REMOVED UNDER TRACK CROSSING (UTX)	— — —			SEWER SURFACE	— — — — —		



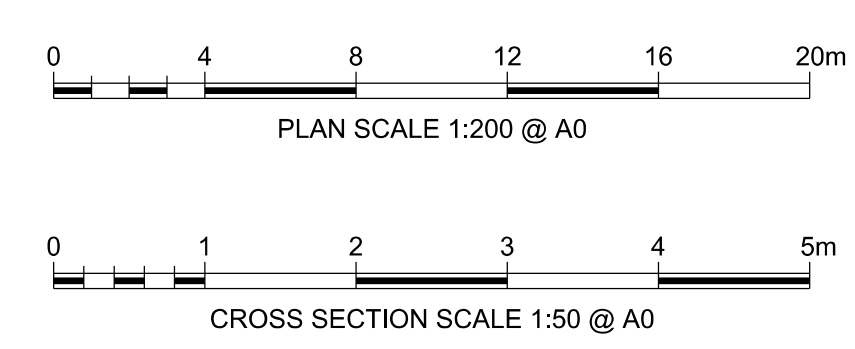


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  - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

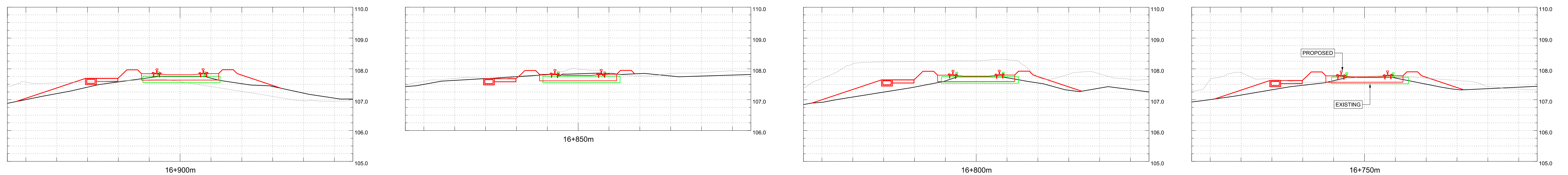
PLAN - SCALE 1:200



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CROSS SECTIONS - SCALE 1:50



Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Sub
A01	15/03/18	ISSUED FOR INFORMATION	JB	RS	RS	RS
A02	03/05/18	FOR DCO PLANNING APPLICATION	JB	RS	RS	RS
A03	20/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	RS

Sheet  
**FIT FOR INFORMATION**  
S2



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www.arup.com

Project  
**METROWEST PHASE 1**

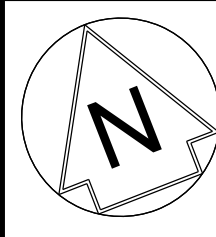
Drawing Title  
**DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.16700M TO 16900M**

Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19

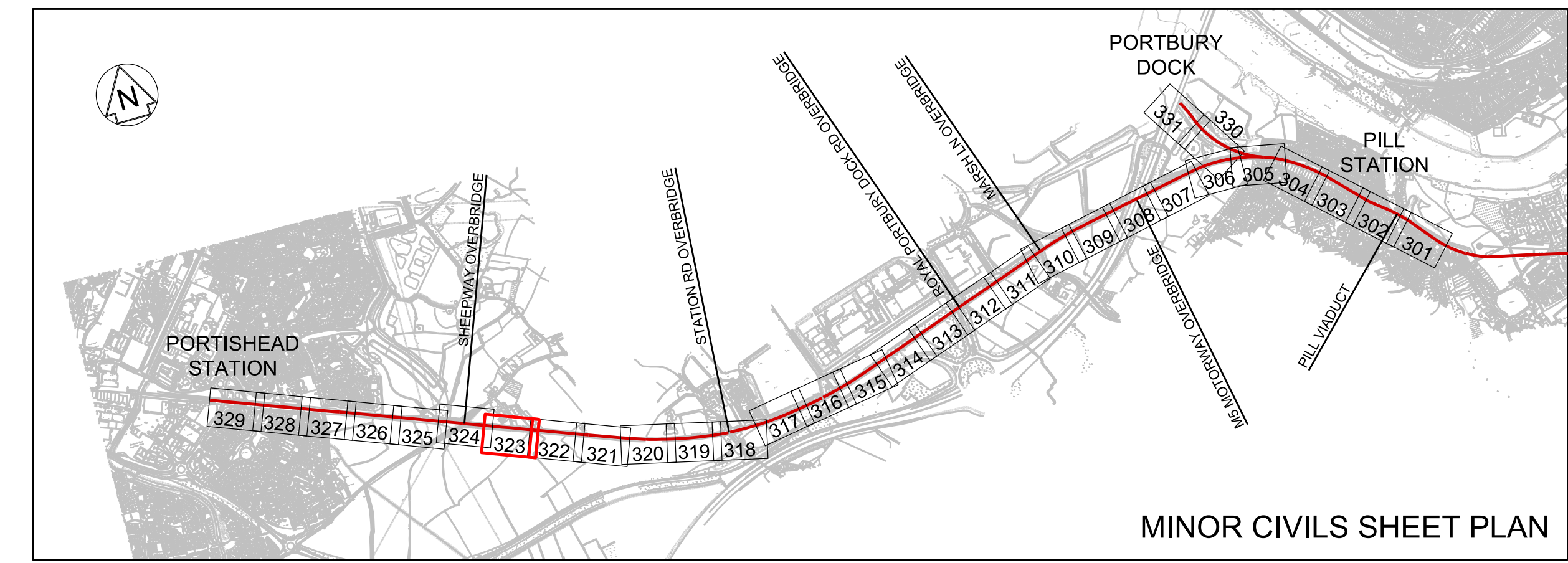
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Drawing Number  
1:200  
POD 128M 32CH  
22 of 31  
Revision

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMoured FIBRE CABLE	— · — · — ·	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE		BATS	☺
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	TELEPHONE (PROPOSED)	□	DORMICE	☺
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	BOX ON POST (PROPOSED)	□	OTTERS	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	FIBRE JOINT (PROPOSED)	□	REPTILES	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	□	GREAT CRESTED NEWT	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	□	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□	BIRD BOX (PROPOSED)	☺
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	□	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	□
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□			WOODLAND TO BE PLANTED DURING CONSTRUCTION	□
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	□			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	□
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	□			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	□
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	□				
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	□				
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	□				
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						



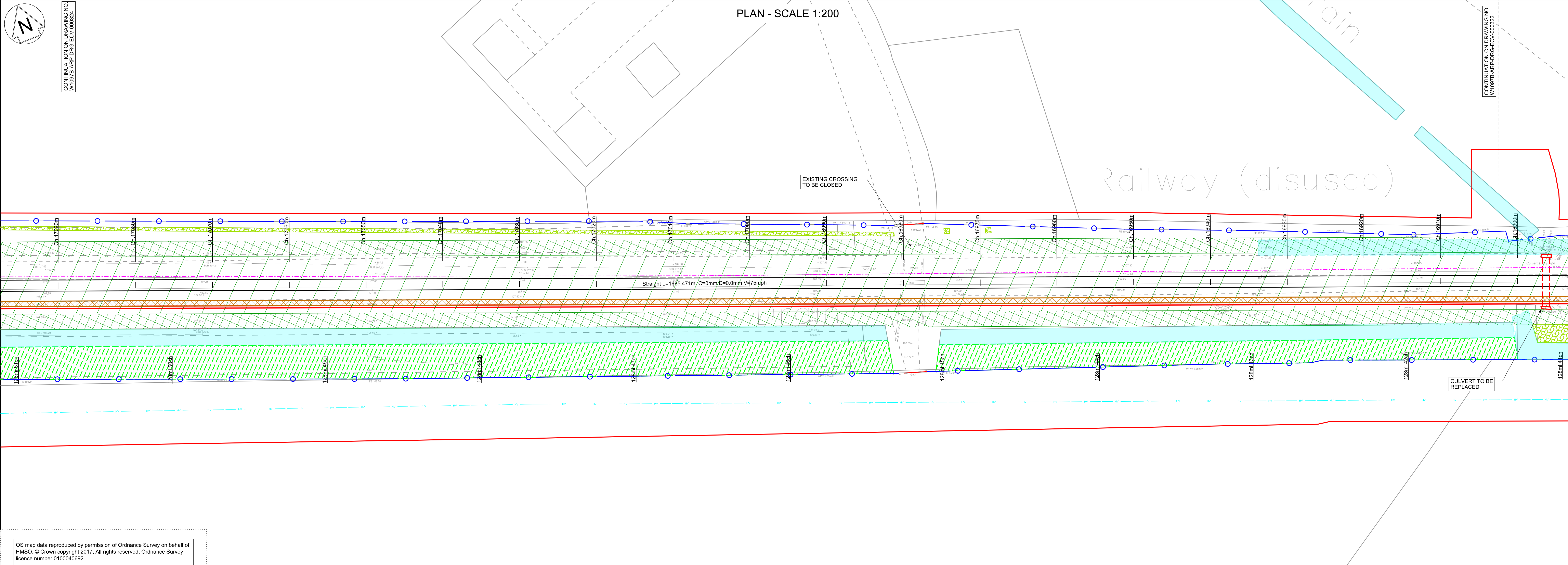


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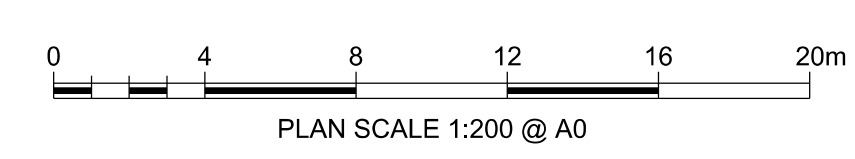


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  - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

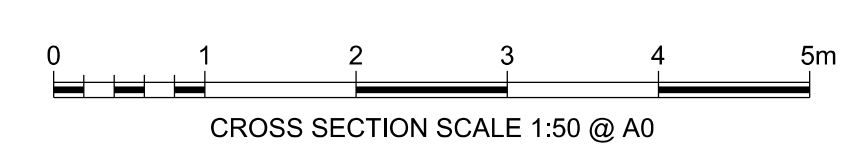
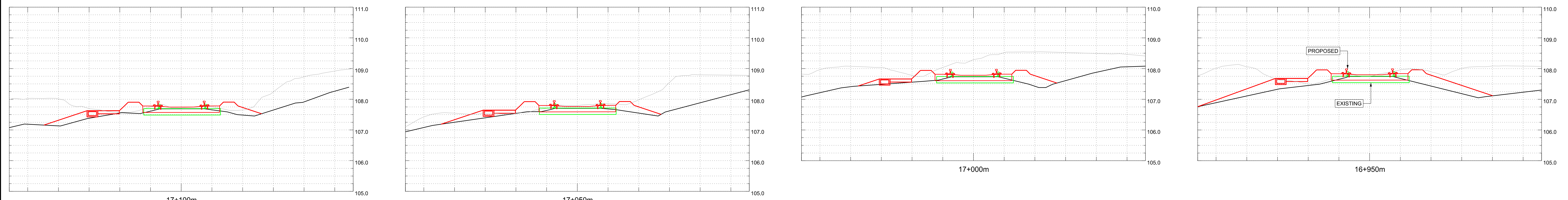
PLAN - SCALE 1:200



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CROSS SECTIONS - SCALE 1:50



Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.	Submittal
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



Project: METROWEST PHASE 1

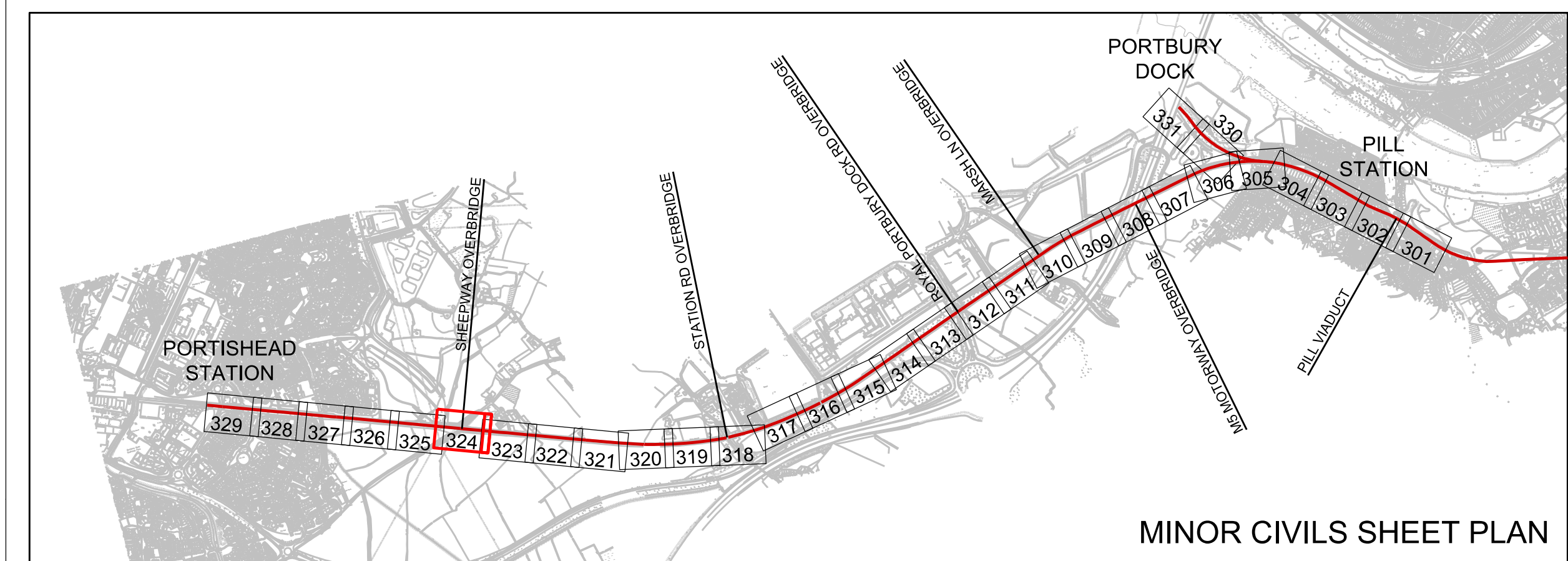
Drawing Title: DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.16900M TO 17090M

Design	Drawn	Checked	Approved	Scale(s)	Sheet
J. BACINSKI	J. BACINSKI	R. SNELL	R. SNELL	1:200	23 of 31

Alternative Reference: POD 128M 41CH  
Drawing Number: W1097B-ARP-DRG-ECV-000323 | A03

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURD FIBRE CABLE	— · — · — ·	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE		BATS	☺
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	TELEPHONE (PROPOSED)	□	DORMICE	☺
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	BOX ON POST (PROPOSED)	□	OTTERS	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	FIBRE JOINT (PROPOSED)	□	REPTILES	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	□	GREAT CRESTED NEWT	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	□	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□	BIRD BOX (PROPOSED)	☺
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	□	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	□
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□			WOODLAND TO BE PLANTED DURING CONSTRUCTION	□
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	□			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	□
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	□			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	□
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	□				
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	□				
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	□				
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

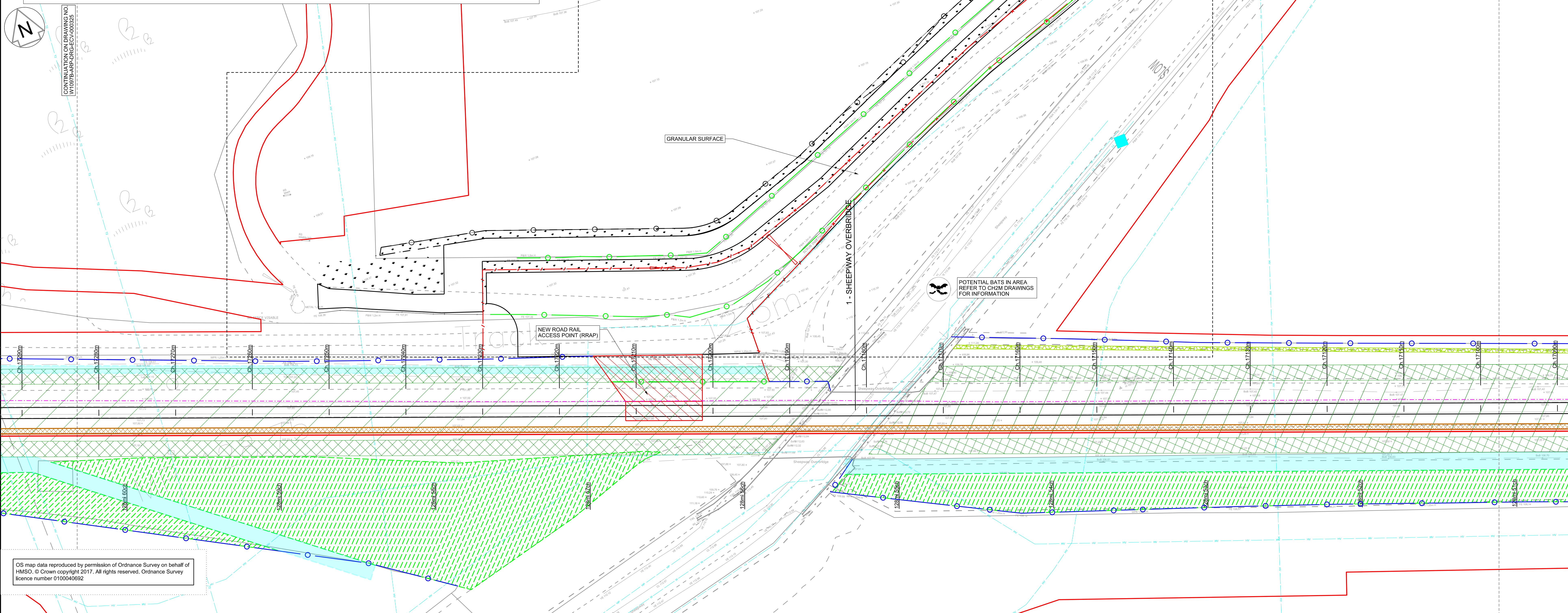




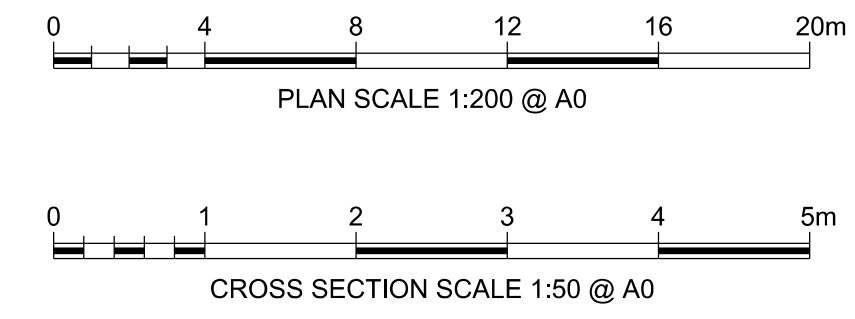
PROPOSED PERMANENT COMPOUND REFER TO CH2M DESIGN WORKS EXTERNAL TO COMPOUND BOUNDARY FENCE. DRAWING NO. 467470.BQ.04.20-400 REV.1

PLAN - SCALE 1:200

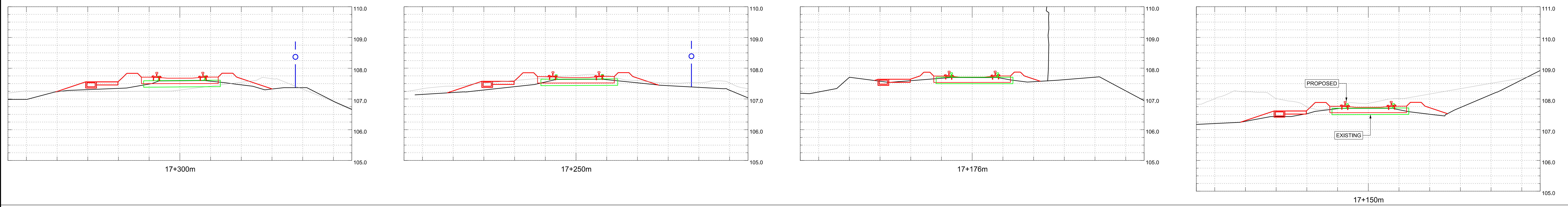
- Legend/Notes
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  - CROSS SECTIONS ARE TAKEN FACING INCREASING CHANGING.



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CROSS SECTIONS - SCALE 1:50



A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A04	20/08/20	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Sheets: **FIT FOR INFORMATION** / S2



MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURED FIBRE CABLE	— · — · — ·	WATER VOLES	☹
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE		BATS	☹
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	TELEPHONE (PROPOSED)	☒	DORMICE	☹
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	BOX ON POST (PROPOSED)	☒	OTTERS	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	FIBRE JOINT (PROPOSED)	☒	REPTILES	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	☒	GREAT CRESTED NEWT	☹
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	☒	BIRD BOX (PROPOSED)	☹
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	☒	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	☒	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒			WOODLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	☒			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
EXISTING TROUING	— / — / —	AUTHORISED WALKING ROUTE	☒				
REMOVED TROUING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒				
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒				
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —						
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —						
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

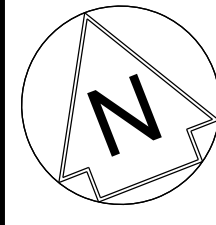
Project: **METROWEST PHASE 1**

Drawing Title: **DISUSED RAILWAY ENGINEERING PLANS GRIP 4 MINOR CIVILS CH.17090M TO 17290M**

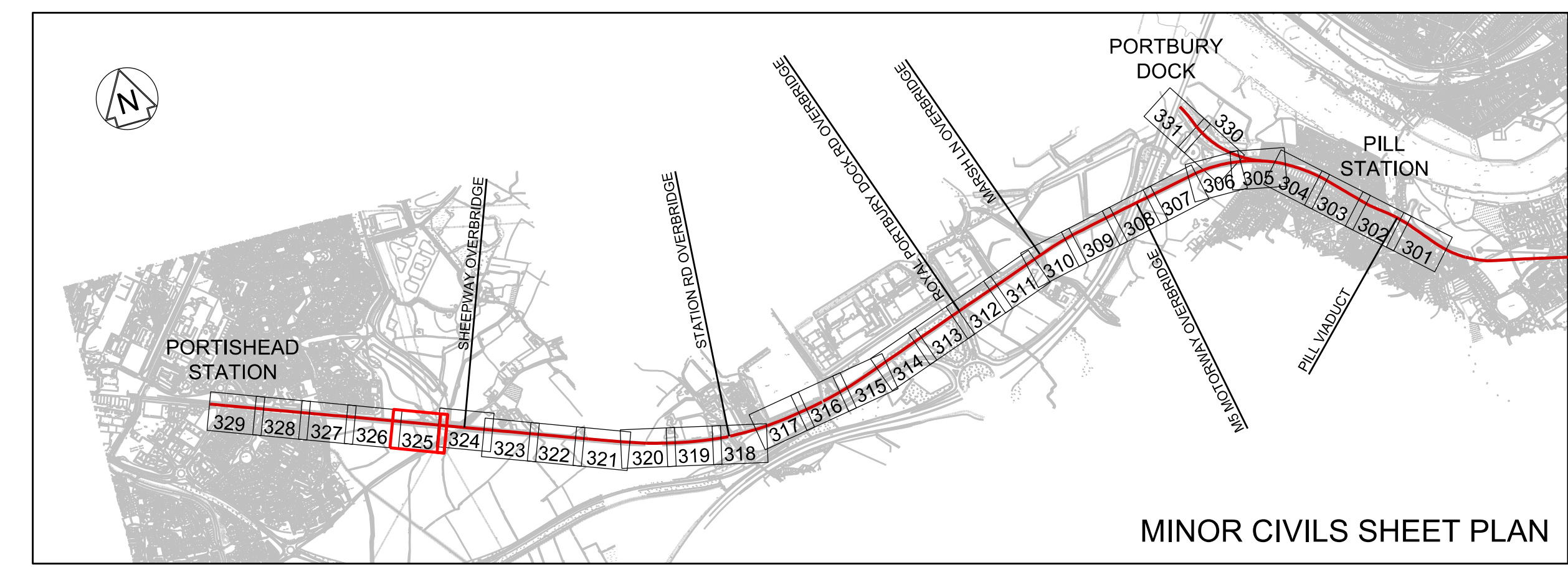
Designed	J. BACINSKI	Signed		Date	28/08/20
Drawn	J. BACINSKI	Signed		Date	28/08/20
Checked	R. SNELL	Signed		Date	28/08/20
Approved	R. SNELL	Signed		Date	28/08/20

Scales: 1:200  
Alternative Reference: POD 128M 51CH  
Drawing Number: W1097B-ARP-DRG-ECV-000324  
Sheet: 24 of 31  
Revision: 1



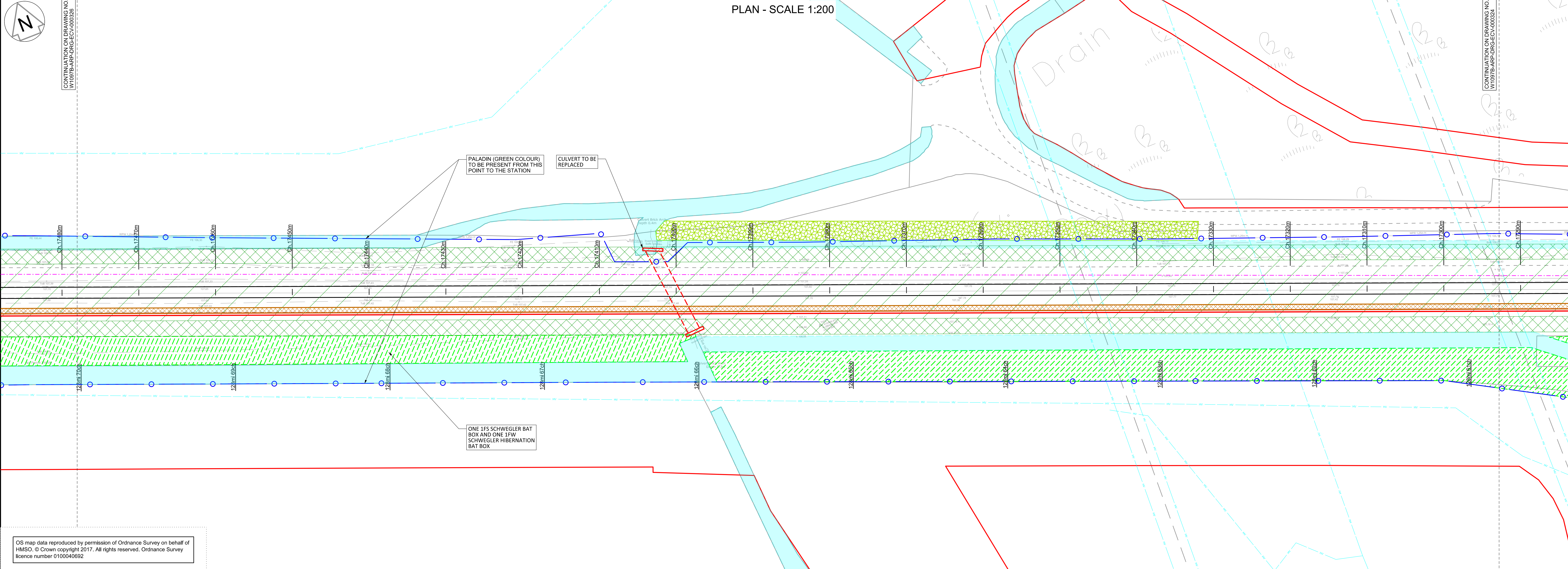


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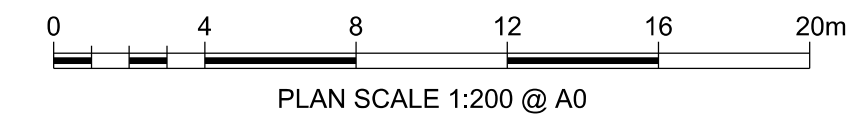


- Legend/Notes
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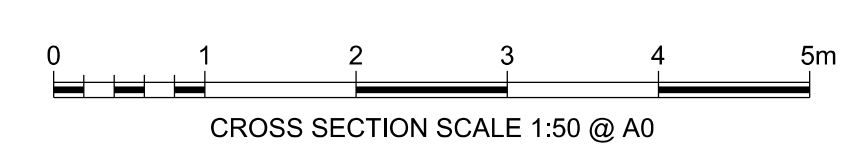
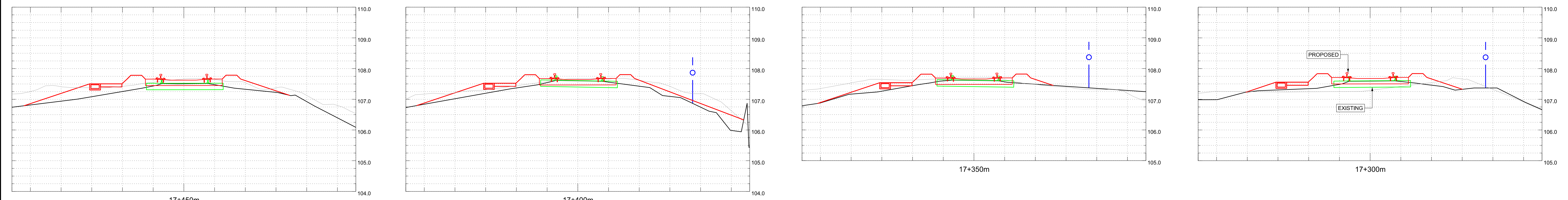
PLAN - SCALE 1:200



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CROSS SECTIONS - SCALE 1:50



Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.	Submittal
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	20/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



Project: METROWEST PHASE 1

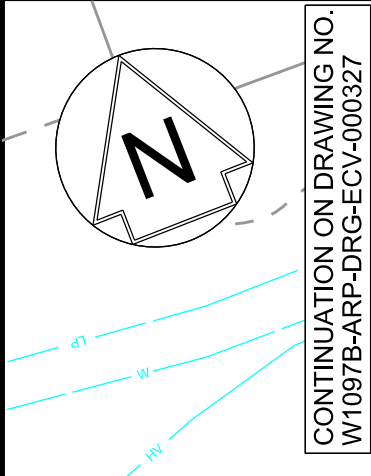
Drawing Title: DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.17290M TO 17480M

Design	Checked	Approved	Scale(s)	ELR & Measg	Sheet
J. BACINSKI	R. SNELL	R. SNELL	1:200	POD 128M 61CH	25 of 31

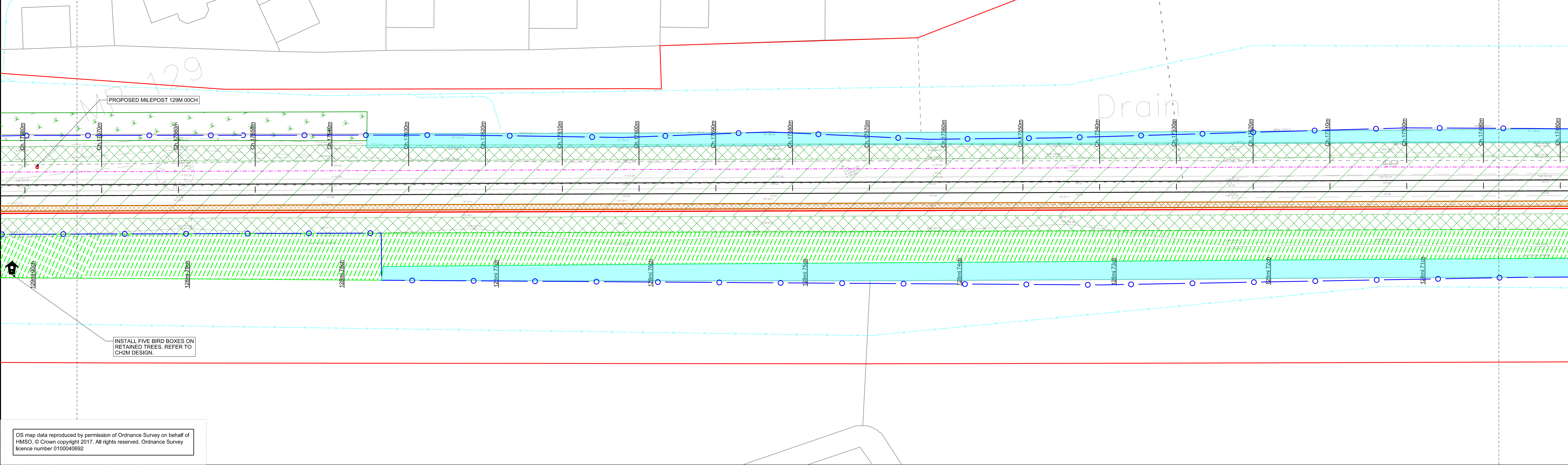
Drawing Number: W1097B-ARP-DRG-ECV-000325 | A03

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	—	WATER VOLES	☞
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	☒	FOUL SEWER	—	BATS	☞
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	☒	RIISING MAIN	—	DORMICE	☞
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	☒	SEWER SURFACE	—	OTTERS	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	☒	HIGH VOLTAGE ELECTRICITY - BELOW GROUND	—	REPTILES	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - BELOW GROUND	—	GREAT CRESTED NEWT	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	BIRD BOX (PROPOSED)	☞
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	☒	GRSS PIPELINE	—	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒	LOW PRESSURE GAS MAIN	—	WOODLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	☒	MEDIUM PRESSURE GAS MAIN	—	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED TROUGHING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	HIGH PRESSURE GAS MAIN	—	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
REMOVED TROUGHING	— / — / —	AUTHORISED WALKING ROUTE	☒	BT CABLE - BELOW GROUND	—		
EXISTING TROUGHING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	CABLE & WIRELESS	—		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒	VIRGIN MEDIA CABLE - BELOW GROUND	—		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —			VERIZON BACKBONE DUCT - BELOW GROUND	—		
				EXISTING DITCHES TO BE RETAINED/REPLACED	—		

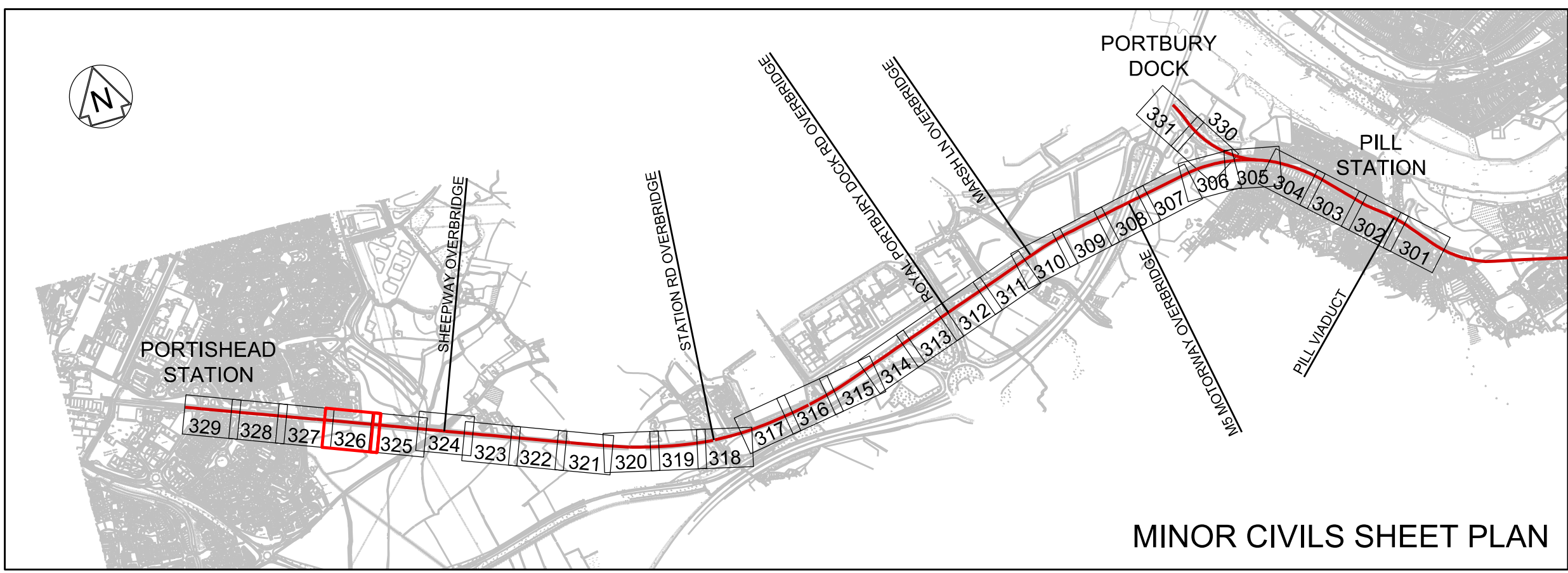




CONTINUATION ON DRAWING NO. W1097B-ARP-DRG-ECV-000327

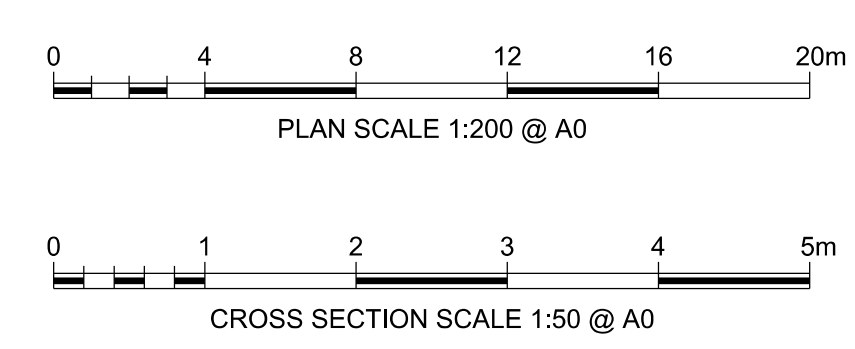
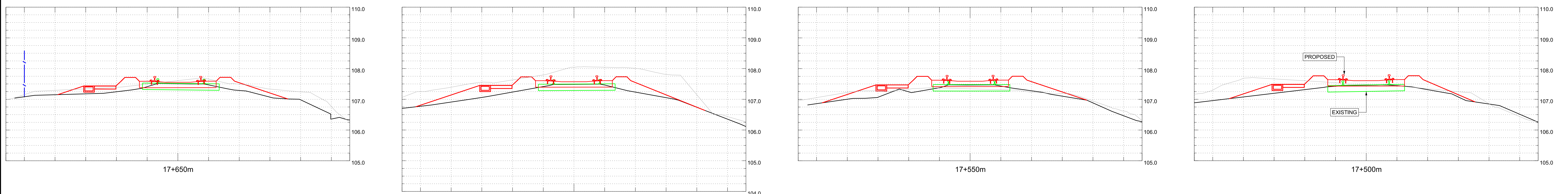


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  - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

CROSS SECTIONS - SCALE 1:50



A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
FIT FOR INFORMATION					S2



Contractor(s)



Project METROWEST PHASE 1

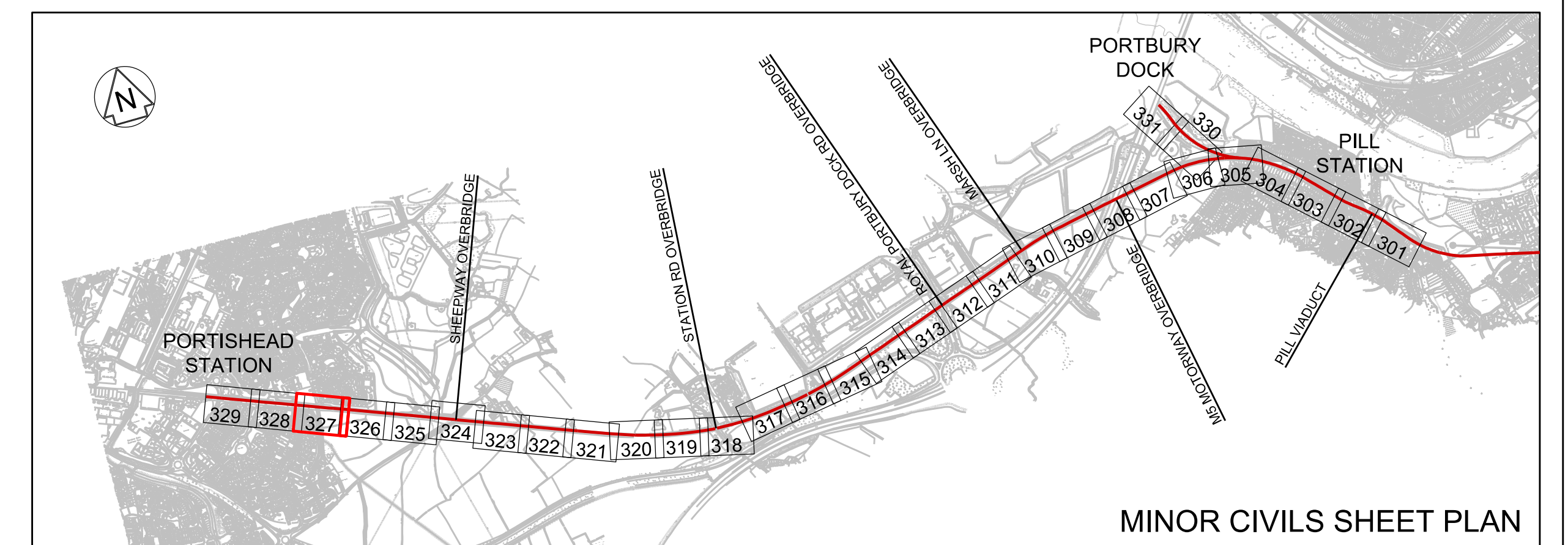
Disused Railway Engineering Plans  
GRIP 4 MINOR CIVILS  
CH.17480M TO CH.17680M

Designed	J. BACINSKI	Signed	J. BACINSKI	Date	24/07/19
Drawn	J. BACINSKI	Signed	R. SNELL	Date	24/07/19
Checked	R. SNELL	Signed	R. SNELL	Date	24/07/19
Approved	R. SNELL	Signed	R. SNELL	Date	24/07/19
Scale(s)	1:200	ELR & Mileage	POD 128M 71CH	Sheet	26 of 31
Alternative Reference				Revision	

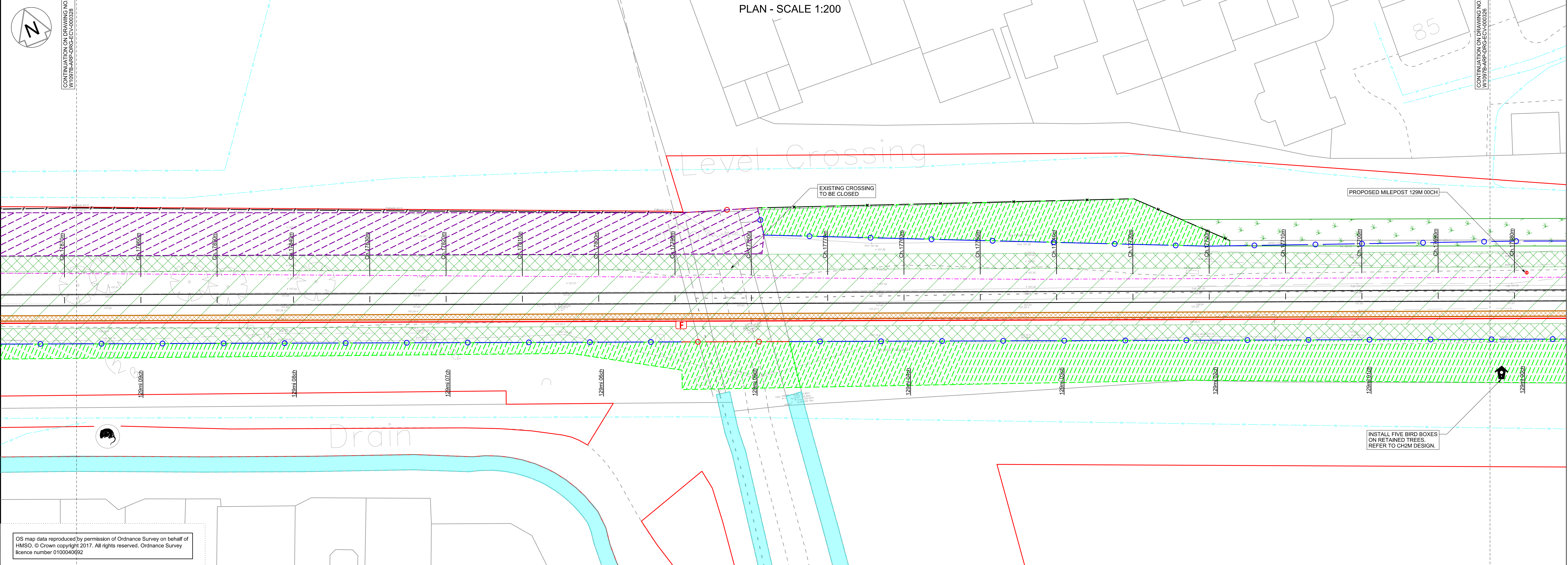
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	—	WATER VOLES	☞
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	☒	FOUL SEWER	—	BATS	☞
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	☒	RIISING MAIN	—	DORMICE	☞
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	☒	SEWER SURFACE	—	OTTERS	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	☒	LOW VOLTAGE ELECTRICITY - BELOW GROUND	—	REPTILES	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	GREAT CRESTED NEWT	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	GRSS PIPELINE	—	BIRD BOX (PROPOSED)	☞
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	☒	LOW PRESSURE GAS MAIN	—	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	☞
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒	MEDIUM PRESSURE GAS MAIN	—	WOODLAND TO BE PLANTED DURING CONSTRUCTION	☞
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	☒	HIGH PRESSURE GAS MAIN	—	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☞
PROPOSED TROUGHING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	BT CABLE - BELOW GROUND	—	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☞
REMOVED TROUGHING	— / — / —	AUTHORISED WALKING ROUTE	☒	CABLE & WIRELESS	—		
EXISTING TROUGHING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	VIRGIN MEDIA CABLE - BELOW GROUND	—		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒	VERIZON BACKBONE DUCT - BELOW GROUND	—		
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			EXISTING DITCHES TO BE RETAINED/REPLACED	—		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						



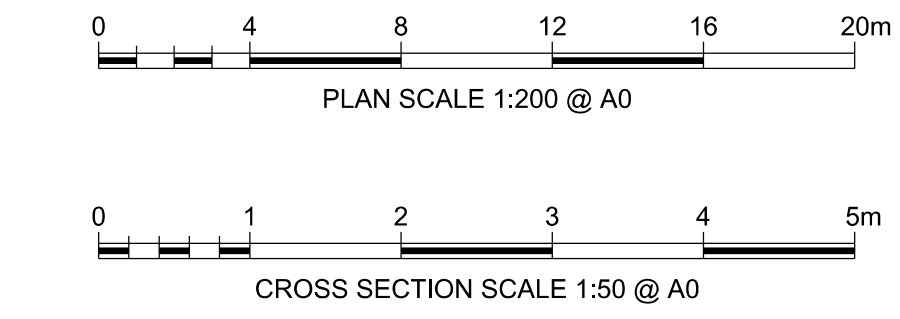
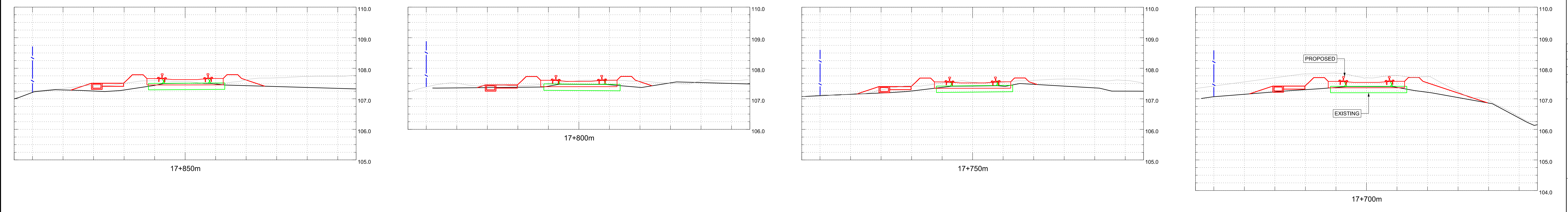
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CROSS SECTIONS - SCALE 1:50



A01	15/03/19	ISSUE FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
FIT FOR INFORMATION					Submittal
					S2



Contractor(s)



Project METROWEST PHASE 1

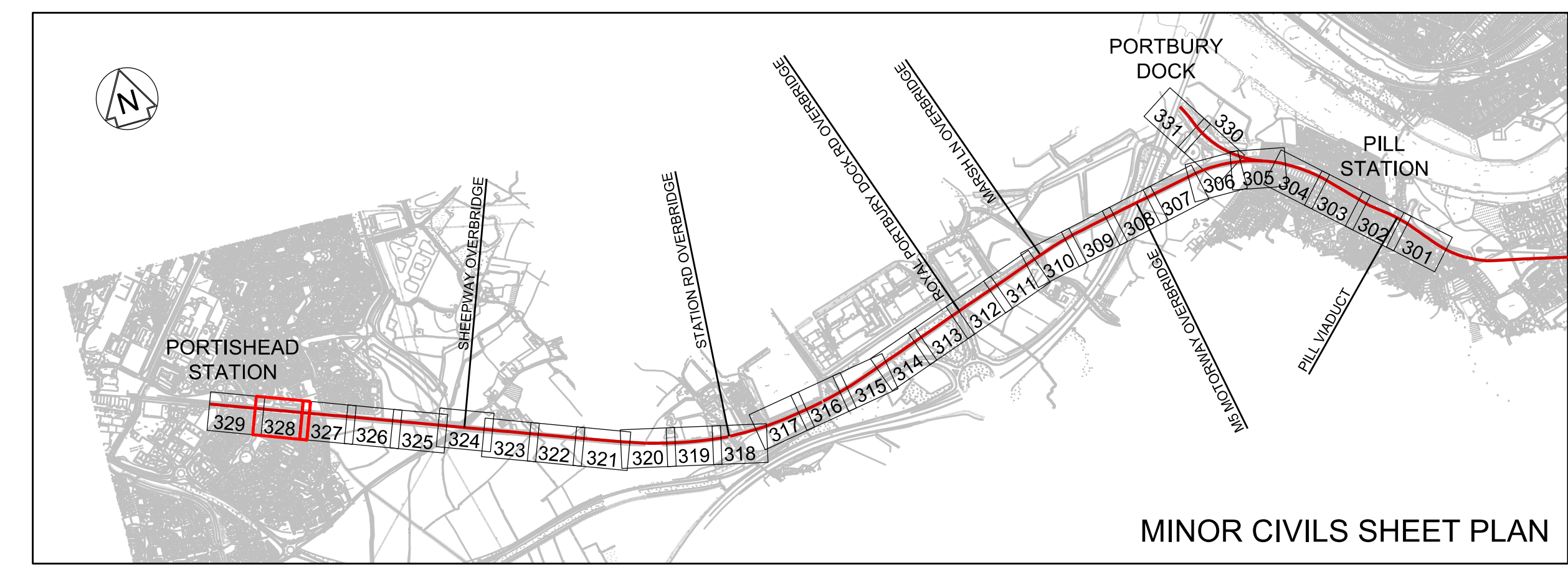
Drawing Title  
**DISUSED RAILWAY ENGINEERING PLANS**  
**GRIP 4 MINOR CIVILS**  
**CH.17680M TO CH.17870M**

Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19
Scale(s)	1:200	ELR & Mileage	POD 129M 00CH	Sheet	27 of 31
Alternative Reference		Revision			

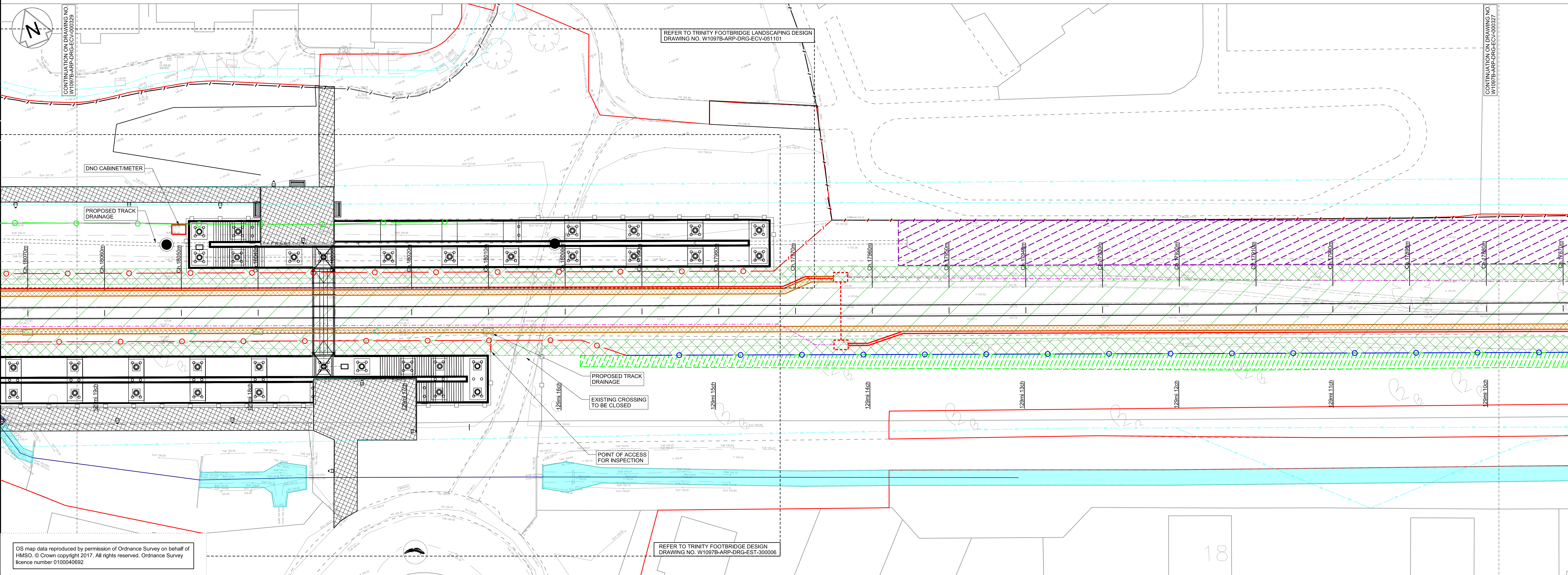
Drawing Number W1097B-ARP-DRG-ECV-000327 | A03

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	--- --- ---	PROPOSED CABINET LOCATION (NOT TO SCALE)		WATER MAIN		WATER VOLES	
EXISTING FENCE GRADE II	--- --- ---	PROPOSED SIGNAL (NOT TO SCALE)		FOUL SEWER		BATS	
EXISTING FENCE GRADE III	--- --- ---	EXISTING CABINET TO BE REMOVED/RELOCATED		SEWER SURFACE		DORMICE	
EXISTING FENCE REMOVED	---	EXISTING SIGNAL TO BE REMOVED		RISING MAIN		OTTERS	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	--- --- ---	EXISTING CABINET LOCATION		LOW VOLTAGE ELECTRICITY - BELOW GROUND		REPTILES	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	--- --- ---	MINOR EARTHWORKS RETAINING STRUCTURE		LOW VOLTAGE ELECTRICITY - ABOVE GROUND		GREAT CRESTED NEWT	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	--- --- ---	EARTHWORKS STRUCTURE		GROSS PIPELINE		BIRD BOX (PROPOSED)	
PROPOSED FENCE GRADE I	--- --- ---	NOISE BARRIER		LOW PRESSURE GAS MAIN		AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	
PROPOSED FENCE GRADE II	--- --- ---	DEVELOPMENT CONSENT ORDER (DCO)		MEDIUM PRESSURE GAS MAIN		WOODLAND TO BE PLANTED DURING CONSTRUCTION	
PROPOSED FENCE GRADE III	--- --- ---	LAND BOUNDARY		HIGH PRESSURE GAS MAIN		GRASSLAND TO BE PLANTED DURING CONSTRUCTION	
PROPOSED TROUING	---	CONTINUOUS POSITION OF SAFETY		BT CABLE - BELOW GROUND		HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	
EXISTING TROUING	---	AUTHORISED WALKING ROUTE		CABLE ABOVE GROUND			
REMOVED TROUING	---	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION		CABLE & WIRELESS			
EXISTING TROUING MODIFIED/REPLACED	---	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED		VIRGIN MEDIA CABLE - BELOW GROUND			
PROPOSED UNDER TRACK CROSSING (UTX)	---			VERIZON BACKBONE DUCT - BELOW GROUND			
REMOVED UNDER TRACK CROSSING (UTX)	---			EXISTING DITCHES TO BE RETAINED/REPLACED			



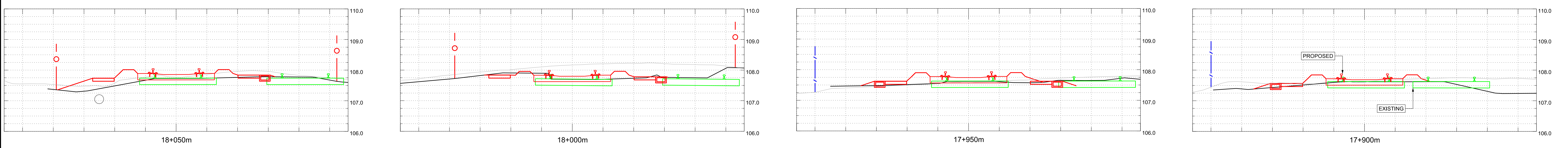
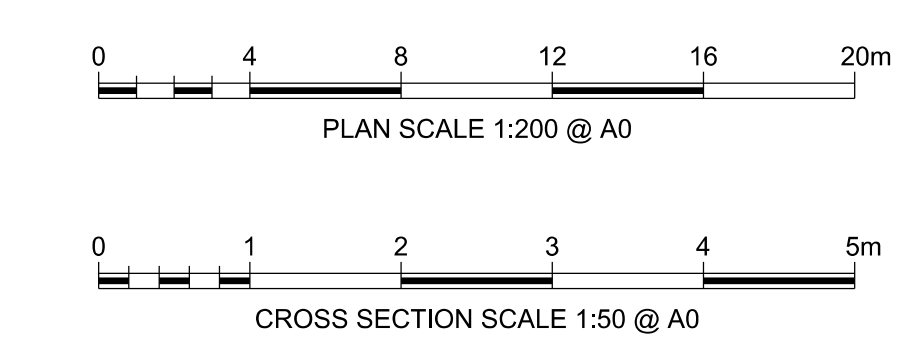


- Legend/Notes
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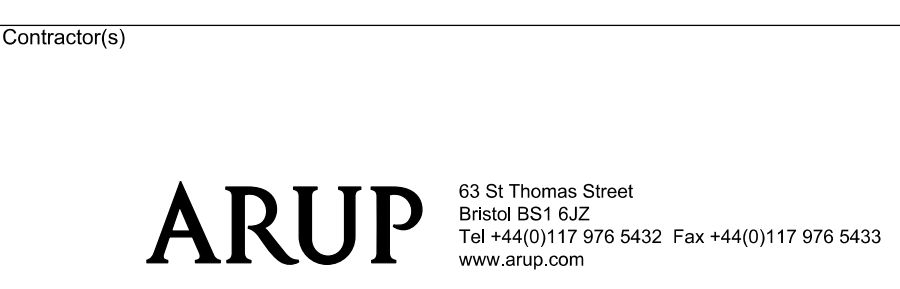


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REFER TO TRINITY FOOTBRIDGE DESIGN DRAWING NO. W1097B-ARP-DRG-EST-300006



A01	15/03/19	ISSUE FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
Sheets	FIT FOR INFORMATION				Submittal
			S2		



Project  
METROWEST PHASE 1

Drawing Title  
DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.17870M TO CH.18070M

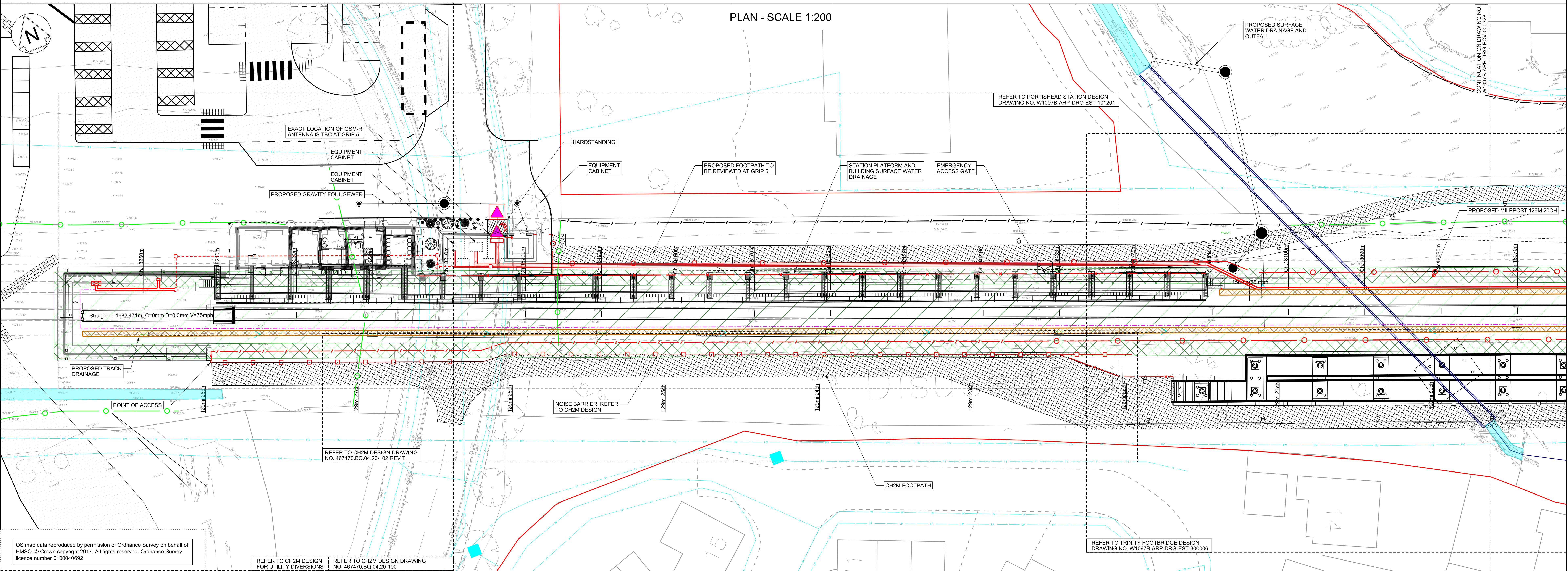
Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19
Scales	1:200	ELR & Measo	Sheet	28 of 31	
Alternative Reference	POD 129M 10CH		Revision		

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	— — — — —	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	☒	FOUL SEWER	— — — — —	BATS	☺
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	☒	RISING MAIN	— — — — —	DORMICE	☺
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	☒	SEWER SURFACE	— — — — —	OTTERS	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	☒	LOW VOLTAGE ELECTRICITY - BELOW GROUND	— — — — —	REPTILES	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	— — — — —	GREAT CRESTED NEWT	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	GROSS PIPELINE	— — — — —	BIRD BOX (PROPOSED)	☺
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	☒	LOW PRESSURE GAS MAIN	— — — — —	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	☺
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒	MEDIUM PRESSURE GAS MAIN	— — — — —	WOODLAND TO BE PLANTED DURING CONSTRUCTION	☺
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	☒	HIGH PRESSURE GAS MAIN	— — — — —	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☺
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	BT CABLE - BELOW GROUND	— — — — —	EDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☺
EXISTING TROUING	— / — / —	AUTHORISED WALKING ROUTE	☒	BT CABLE ABOVE GROUND	— — — — —		
REMOVED TROUING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	CABLE & WIRELESS	— — — — —		
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒	VIRGIN MEDIA CABLE - BELOW GROUND	— — — — —		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —			VERIZON BACKBONE DUCT - BELOW GROUND	— — — — —		
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			EXISTING DITCHES TO BE RETAINED/REPLACED	— — — — —		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						





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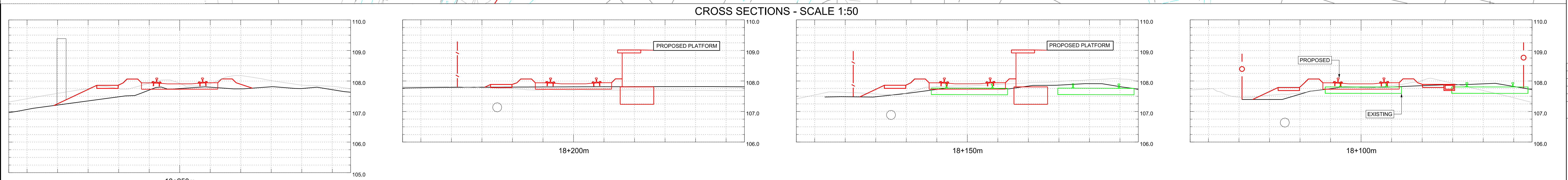


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REFER TO CH2M DESIGN FOR UTILITY DIVERSIONS  
REFER TO CH2M DESIGN DRAWING NO. 467470.BO.04.20-102

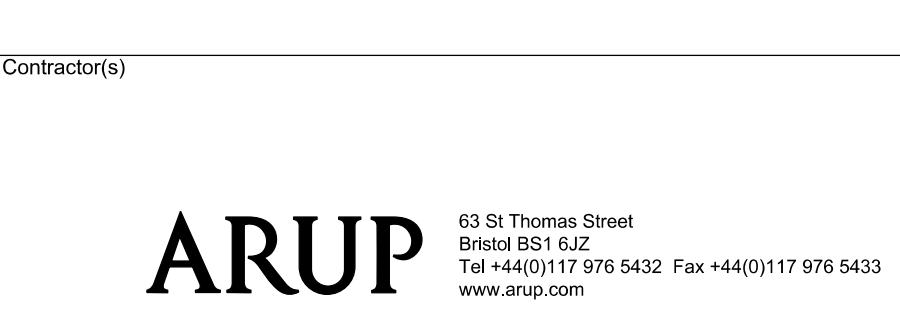
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PLAN SCALE 1:200 @ A0



0 1 2 3 4 5m  
CROSS SECTION SCALE 1:50 @ A0

A01	15/03/19	ISSUE FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
FIT FOR INFORMATION			S2		



Project  
**METROWEST PHASE 1**

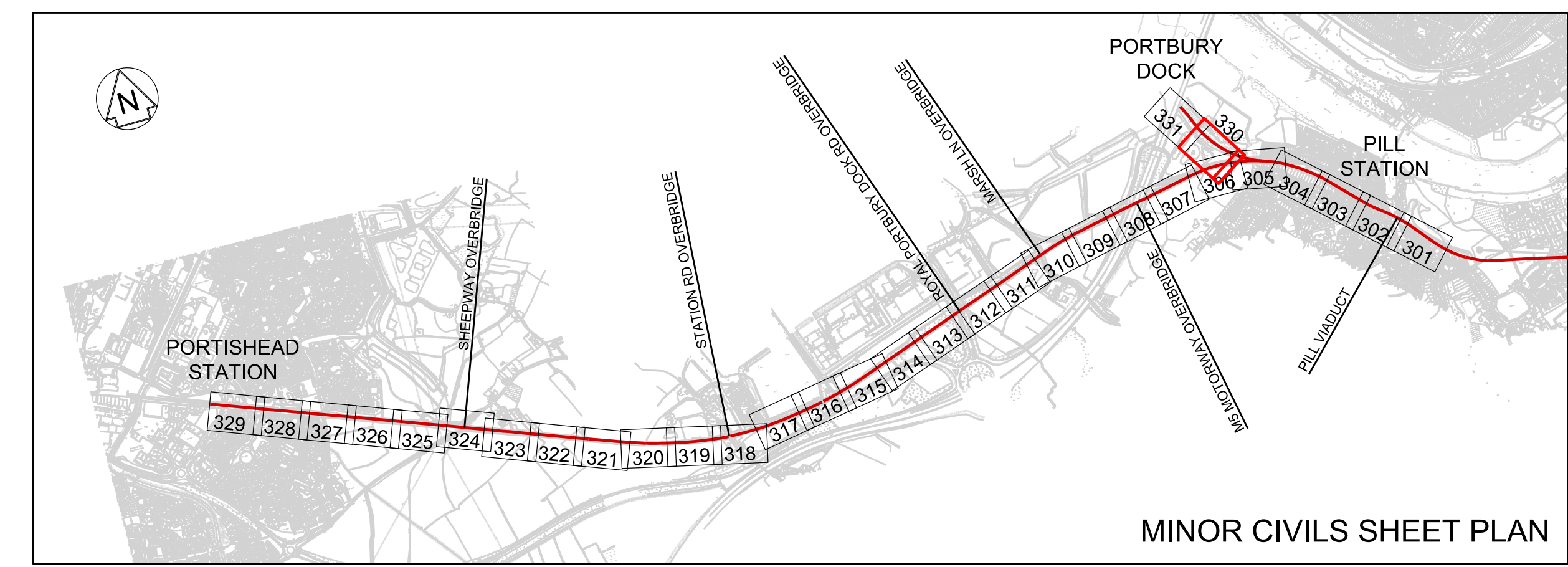
Drawing Title  
**DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
CH.18070M TO CH.18250M**

Designed	J. BACINSKI	Signed	J. BACINSKI	Date	24/07/19
Drawn	J. BACINSKI	Signed	R. SNELL	Date	24/07/19
Checked	R. SNELL	Signed	R. SNELL	Date	24/07/19
Approved	R. SNELL	Signed	R. SNELL	Date	24/07/19
Scale(s)	1:200	ELR & Mileage	POD 129M 20CH	Sheet	29 of 31
Alternative Reference				Revision	

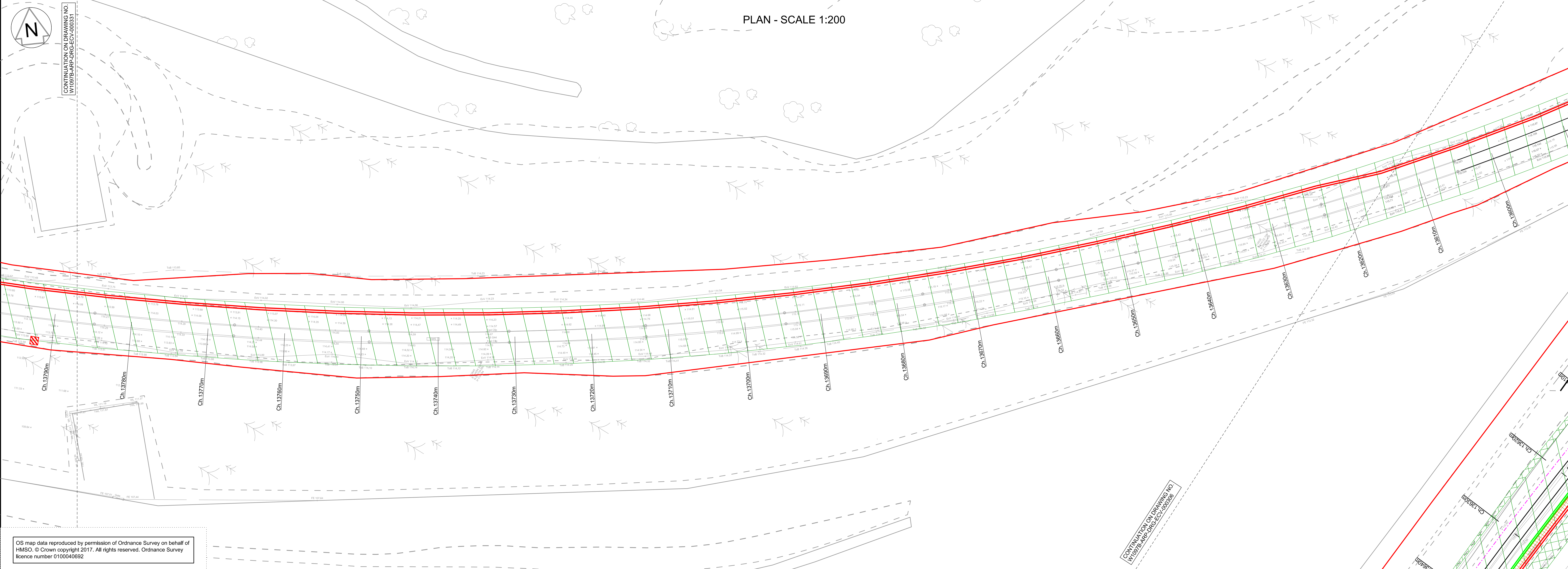
Drawing Number  
**W1097B-ARP-DRG-ECV-000329 A03**

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	WATER MAIN	—	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURED FIBRE CABLE	—
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	FOUL SEWER	—	NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE	
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	RISING MAIN	—	TELEPHONE (PROPOSED)	□
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	SEWER SURFACE	—	BOX ON POST (PROPOSED)	□
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	LOW VOLTAGE ELECTRICITY - BELOW GROUND	—	FIBRE JOINT (PROPOSED)	□
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	□
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	□	GRSS PIPELINE	—	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	□	LOW PRESSURE GAS MAIN	—	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	□
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□	MEDIUM PRESSURE GAS MAIN	—		
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	□	HIGH PRESSURE GAS MAIN	—		
PROPOSED TROUGHING	— / — / —	CONTINUOUS POSITION OF SAFETY	□	BT CABLE - BELOW GROUND	—		
EXISTING TROUGHING	— / — / —	AUTHORISED WALKING ROUTE	□	CABLE & WIRELESS	—		
REMOVED TROUGHING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	□	VIRGIN MEDIA CABLE - BELOW GROUND	—		
EXISTING TROUGHING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	□	VERIZON BACKBONE DUCT - BELOW GROUND	—		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —			EXISTING DITCHES TO BE RETAINED/REPLACED	—		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

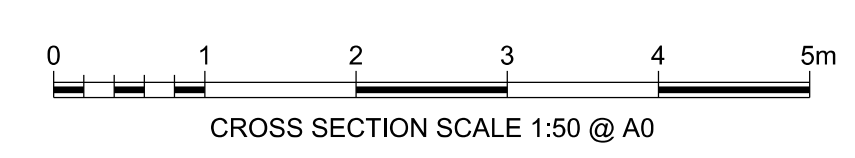
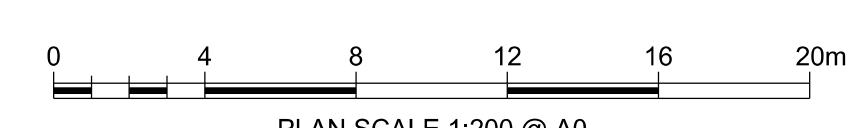




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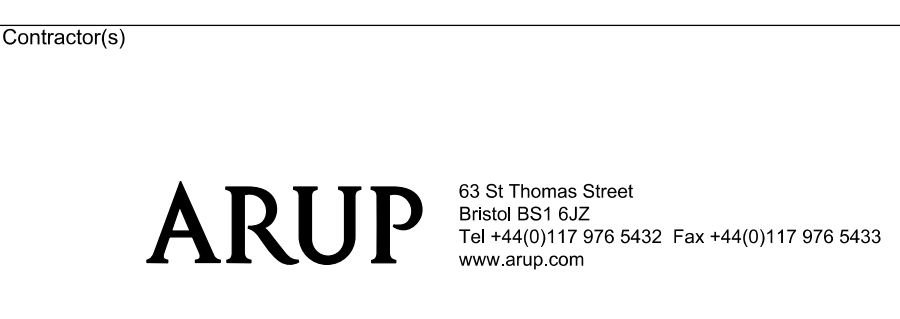


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Rev	Date	Description of Revisions	Drawn	Chkd	Appr
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS

Sheet: **FIT FOR INFORMATION** Suitability: **S2**



Project: **METROWEST PHASE 1**

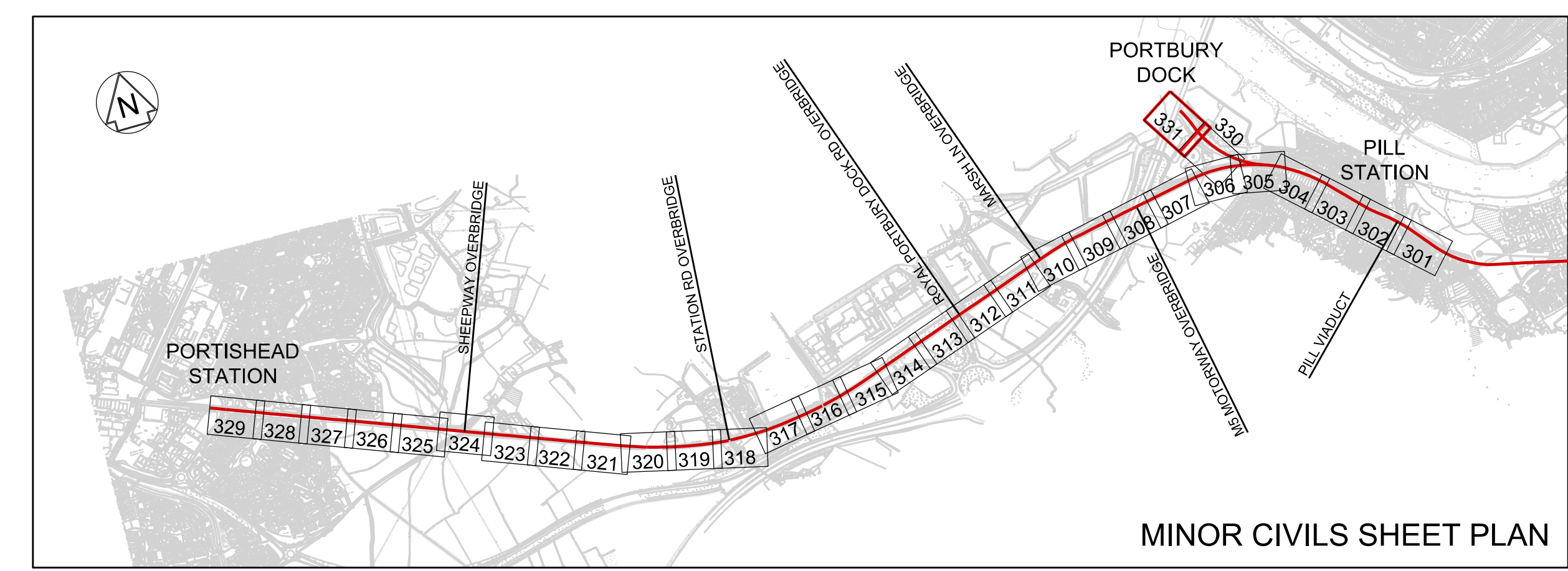
Drawing Title: **DISUSED RAILWAY ENGINEERING PLANS GRIP 4 MINOR CIVILS PORTBURY DOCK**

Design	J. BACINSKI	Signed	Date	24/07/19
Drawn	J. BACINSKI	Signed	Date	24/07/19
Checked	R. SNELL	Signed	Date	24/07/19
Approved	R. SNELL	Signed	Date	24/07/19

Scale(s): 1:200  
 Alternative Reference: POD 126M 36CH  
 Drawing Number: W1097B-ARP-DRG-ECV-000330 | A03  
 Sheet: 30 of 31

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)		WATER MAIN		INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURED FIBRE CABLE	
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)		FOUL SEWER		NOTE: EQUIPMENT SIZE NOT SHOWN TO SCALE	
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED		RISING MAIN		TELEPHONE (PROPOSED)	
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED		SEWER SURFACE		BOX ON POST (PROPOSED)	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION		LOW VOLTAGE ELECTRICITY - BELOW GROUND		FIBRE JOINT (PROPOSED)	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE		LOW VOLTAGE ELECTRICITY - ABOVE GROUND		PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE		GRSS PIPELINE		PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER		LOW PRESSURE GAS MAIN		EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)		MEDIUM PRESSURE GAS MAIN			
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY		HIGH PRESSURE GAS MAIN			
PROPOSED TROUHING	— / — / —	CONTINUOUS POSITION OF SAFETY		BT CABLE - BELOW GROUND			
REMOVED TROUHING	— / — / —	AUTHORISED WALKING ROUTE		CABLE & WIRELESS			
EXISTING TROUHING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION		VIRGIN MEDIA CABLE - BELOW GROUND			
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED		VERIZON BACKBONE DUCT - BELOW GROUND			
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			EXISTING DITCHES TO BE RETAINED/REPLACED			
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

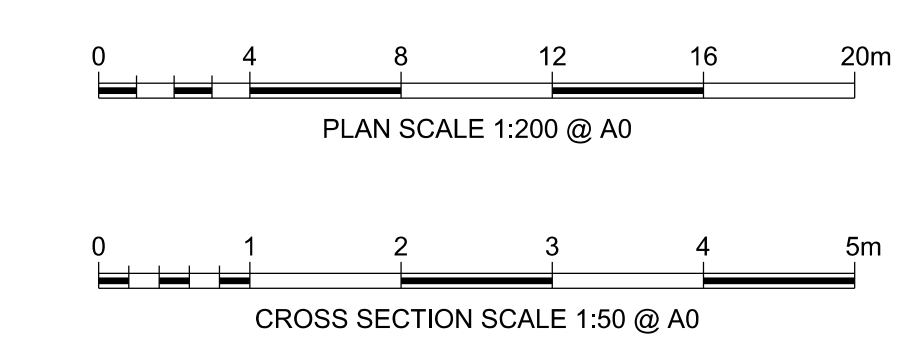




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A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Fit for Information S2



Contractor(s)



Project: METROWEST PHASE 1

Drawing Title: DISUSED RAILWAY ENGINEERING PLANS  
GRIP 4 MINOR CIVILS  
PORTBURY DOCK

Designed	J. BACINSKI	Signed	J. BACINSKI	Date	24/07/19
Drawn	R. SNELL	Signed	R. SNELL	Date	24/07/19
Checked	R. SNELL	Signed	R. SNELL	Date	24/07/19
Approved	R. SNELL	Signed	R. SNELL	Date	24/07/19

Scale(s): 1:200  
Alternative Reference: POD 126M 47CH  
Drawing Number: W1097B-ARP-DRG-ECV-000331 | A03

MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	WATER MAIN	—	WATER VOLES	☞
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	FOUL SEWER	—	BATS	☞
EXISTING FENCE GRADE III	— / — / —	EXISTING CABINET TO BE REMOVED/RELOCATED	□	RISING MAIN	—	DORMICE	☞
EXISTING FENCE REMOVED	— / — / —	EXISTING SIGNAL TO BE REMOVED	□	SEWER SURFACE	—	OTTERS	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	EXISTING CABINET LOCATION	□	HIGH VOLTAGE ELECTRICITY - BELOW GROUND	—	REPTILES	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	LOW VOLTAGE ELECTRICITY - BELOW GROUND	—	GREAT CRESTED NEWT	☞
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	EARTHWORKS STRUCTURE	□	HIGH VOLTAGE ELECTRICITY - ABOVE GROUND	—	BIRD BOX (PROPOSED)	☞
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	□	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	▨
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□	GRSS PIPELINE	—	WOODLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	□	LOW PRESSURE GAS MAIN	—	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	□	MEDIUM PRESSURE GAS MAIN	—	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	▨
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	□	HIGH PRESSURE GAS MAIN	—		
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	□	BT CABLE - BELOW GROUND	—		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	□	CABLE & WIRELESS	—		
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			VIRGIN MEDIA CABLE - BELOW GROUND	—		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —			VERIZON BACKBONE DUCT - BELOW GROUND	—		
				EXISTING DITCHES TO BE RETAINED/REPLACED	—		