



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 / Network Rail

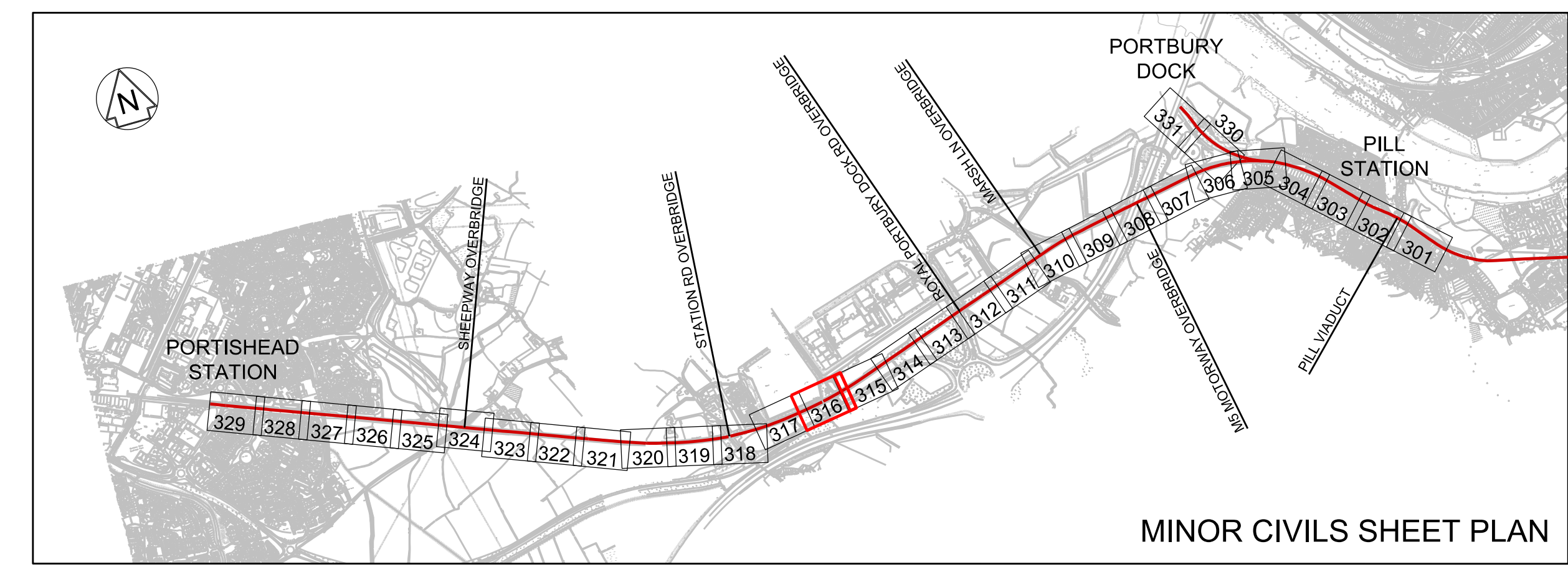
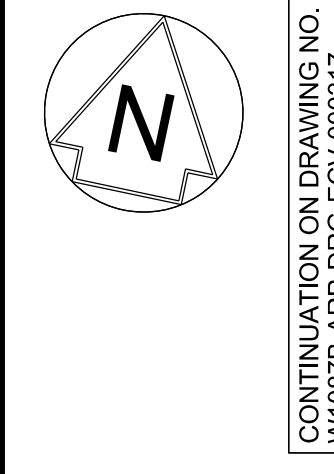
Revision: Version 3

Date: September 2021



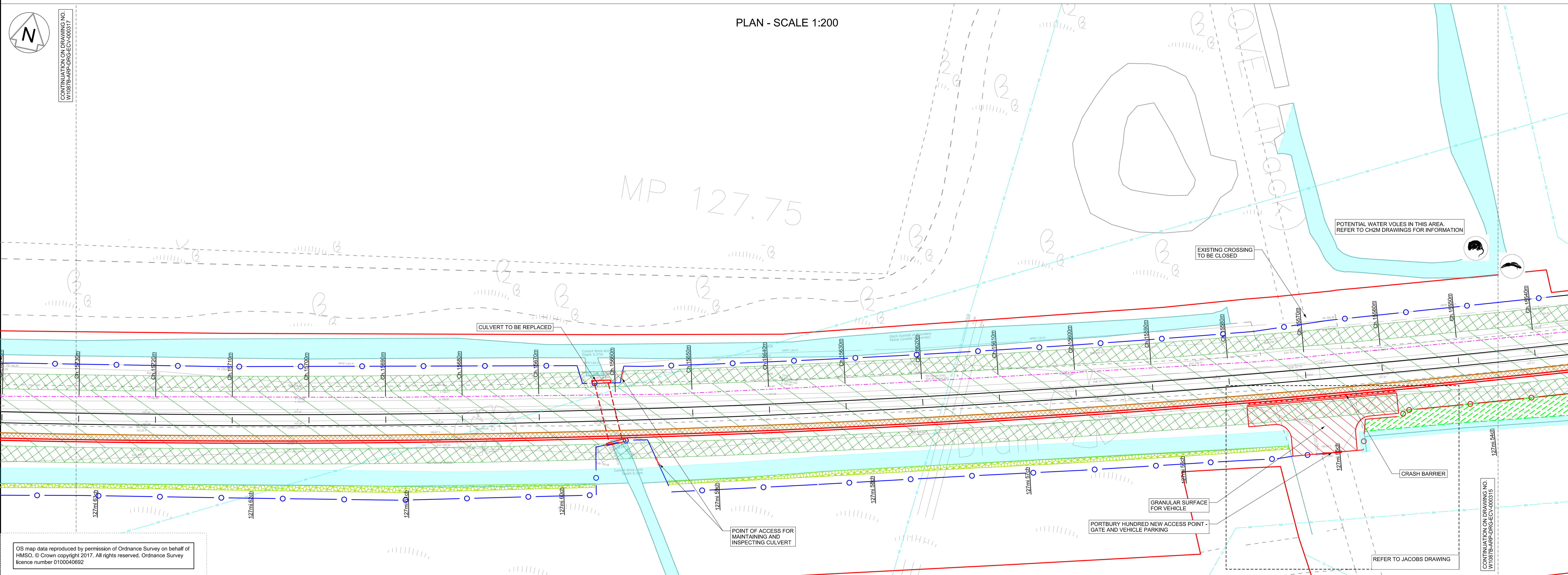
Document Index

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 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	A04 N/A A04 N/A N/A N/A N/A N/A A04 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

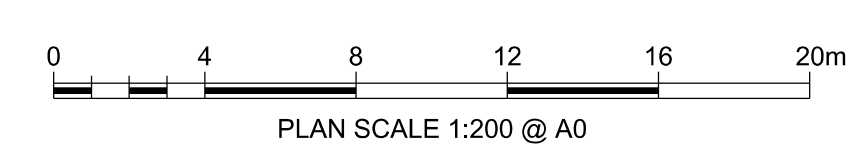


- Legend/Notes
01. ALL LEVELS AND DIMENSIONS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
 02. DO NOT SCALE FROM THIS DRAWING. ONLY FIGURED DIMENSIONS AND LEVELS TO BE USED.
 03. CHAINAGE DATUM IS 4000.000m AT THE 120M 40CH MILE POST ON POD LINE. REGULAR CHAINAGE MARKERS PRESENTED ON LAYOUT DRAWINGS ARE MEASURED ALONG THE PROPOSED RAIL CENTRE LINE.
 04. THIS DRAWING IS BASED UPON TOPOGRAPHICAL SURVEY PROVIDED BY SEVERN PARTNERSHIP ON 19TH SEPTEMBER 2015.
 05. CROSS SECTIONS ARE BASED ON INFORMATION FROM TOPOGRAPHY, LIDAR AND SITE VISIT MEASUREMENTS. CROSS SECTIONS TO BE VERIFIED AT DETAILED DESIGN.
 06. CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

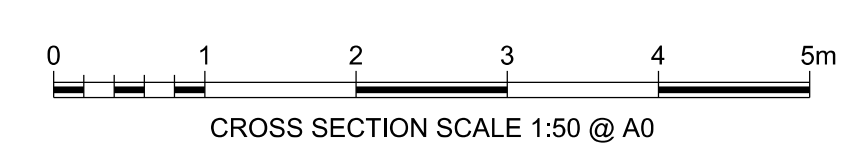
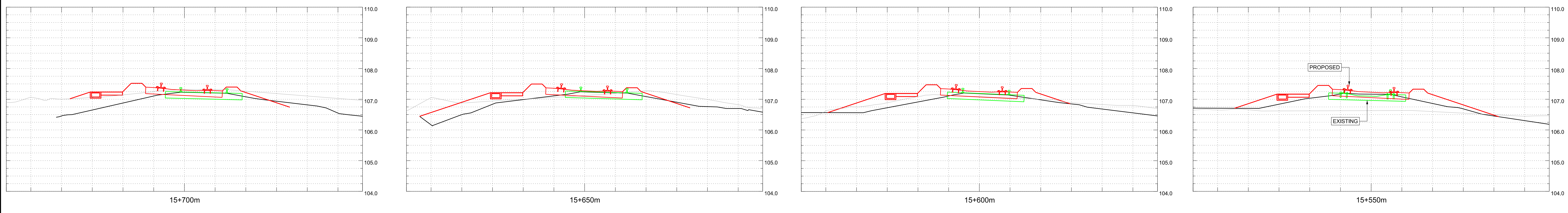
PLAN - SCALE 1:200



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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
A04	20/08/20	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.

Fit for Information S2



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	☒	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

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

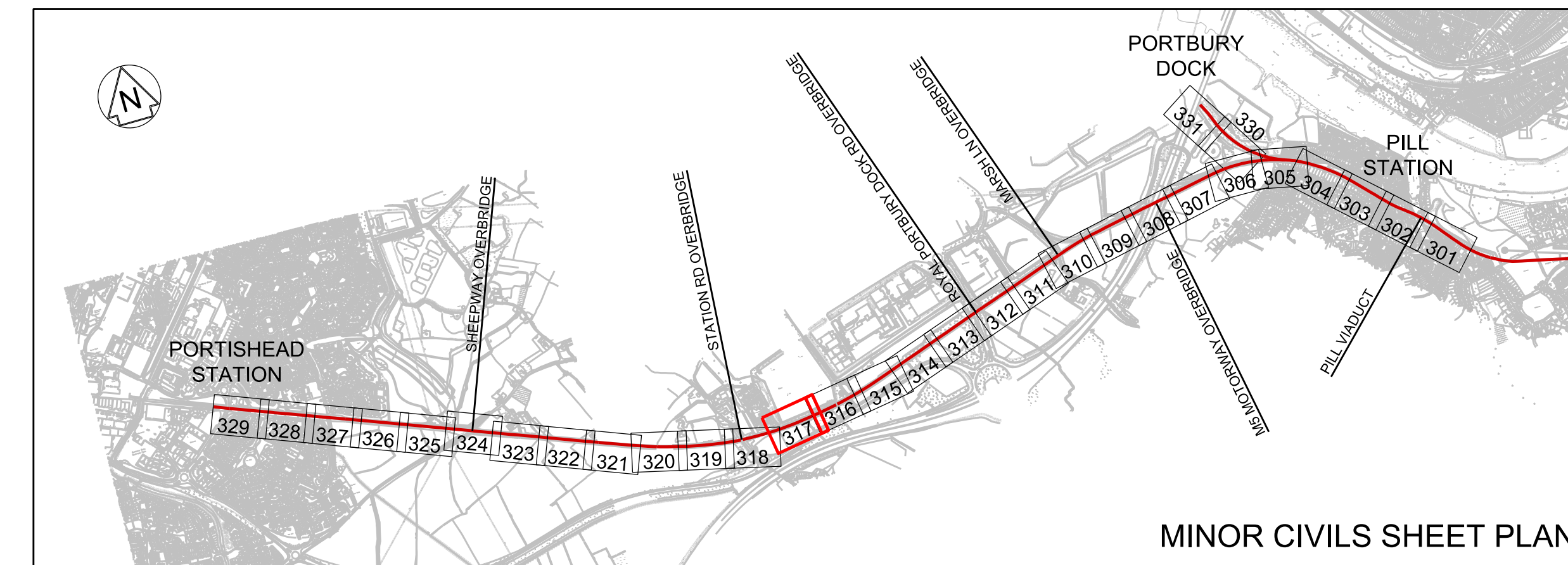
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Alternative Reference: POD 127M 54CH

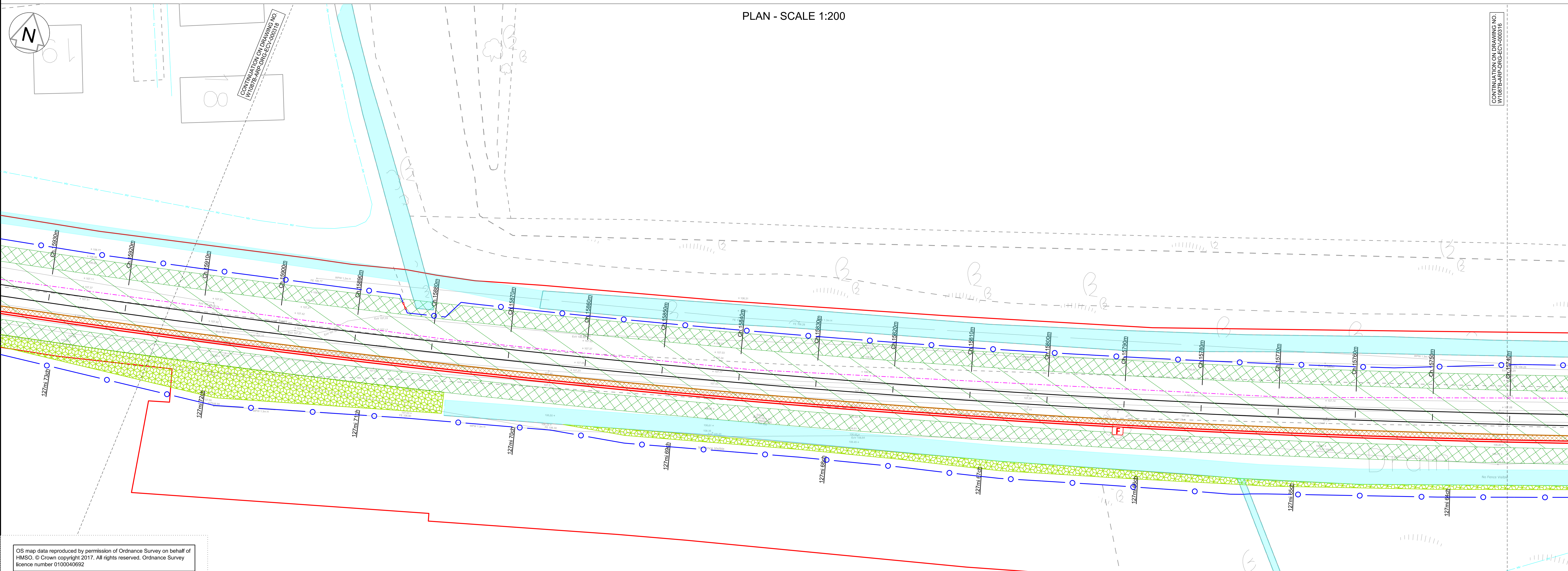
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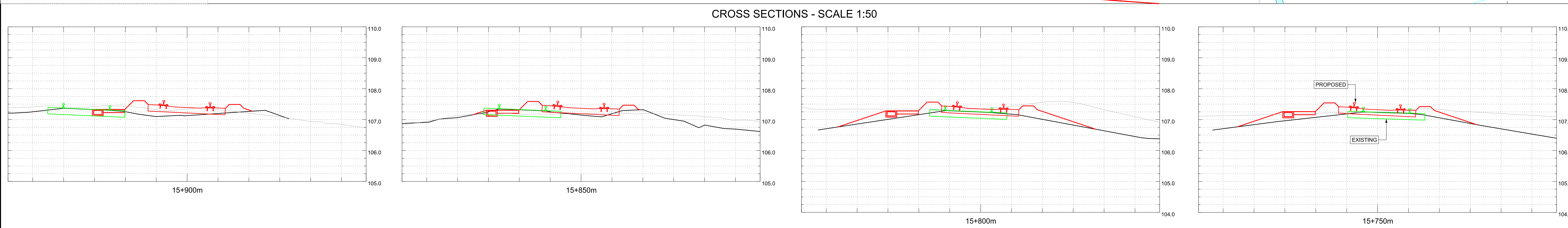
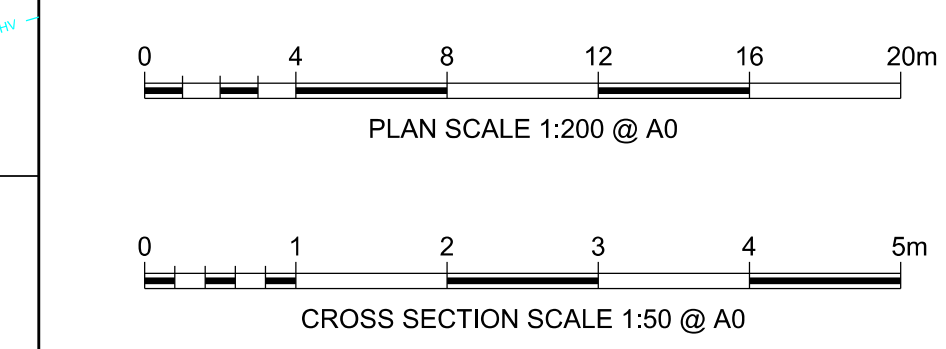
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- Legend Notes
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Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.	Submittal
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO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



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 CABINET LOCATION	□	BOX ON POST (PROPOSED)	☒	OTTERS	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	□	FIBRE JOINT (PROPOSED)	☒	REPTILES	☺
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	EARTHWORKS 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	— / — / —	NOISE BARRIER	□	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	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	□	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	— / — / —	LAND BOUNDARY	□			WOODLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED FENCE GRADE III	— / — / —	CONTINUOUS POSITION OF SAFETY	□			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	▨
PROPOSED TROUING	— / — / —	AUTHORISED WALKING ROUTE	□			HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	▨
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

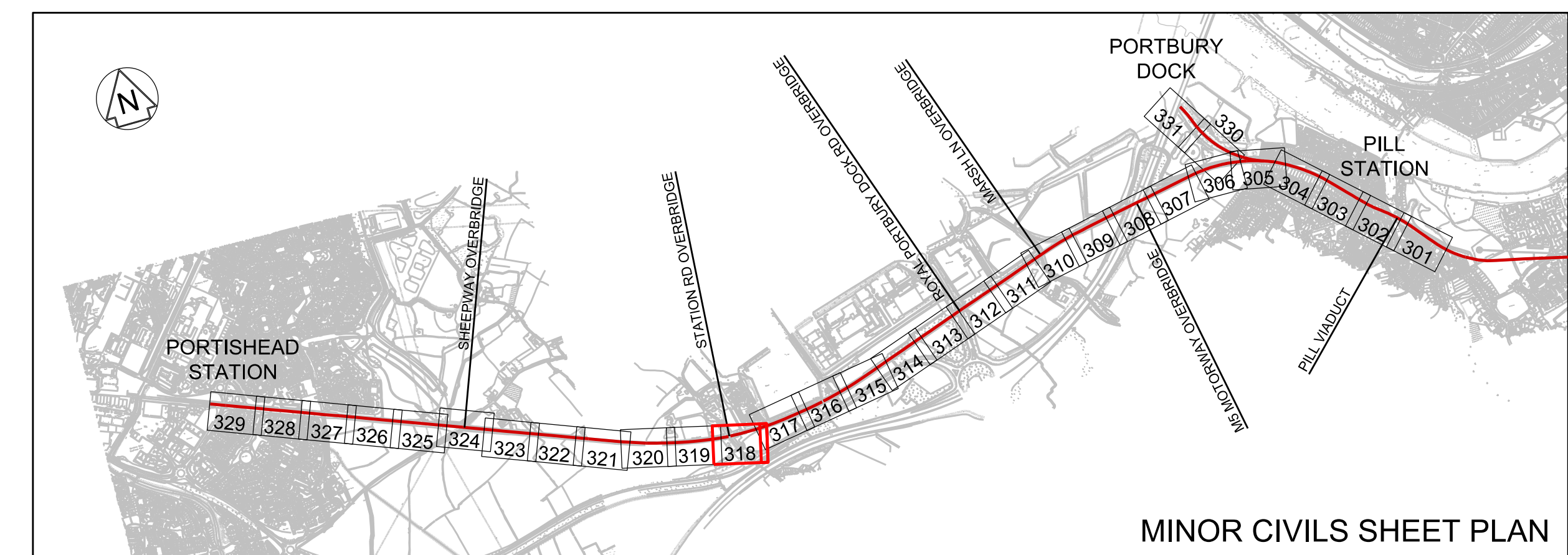
Contractor(s):

Contract Title: DISUSED RAILWAY ENGINEERING PLANS

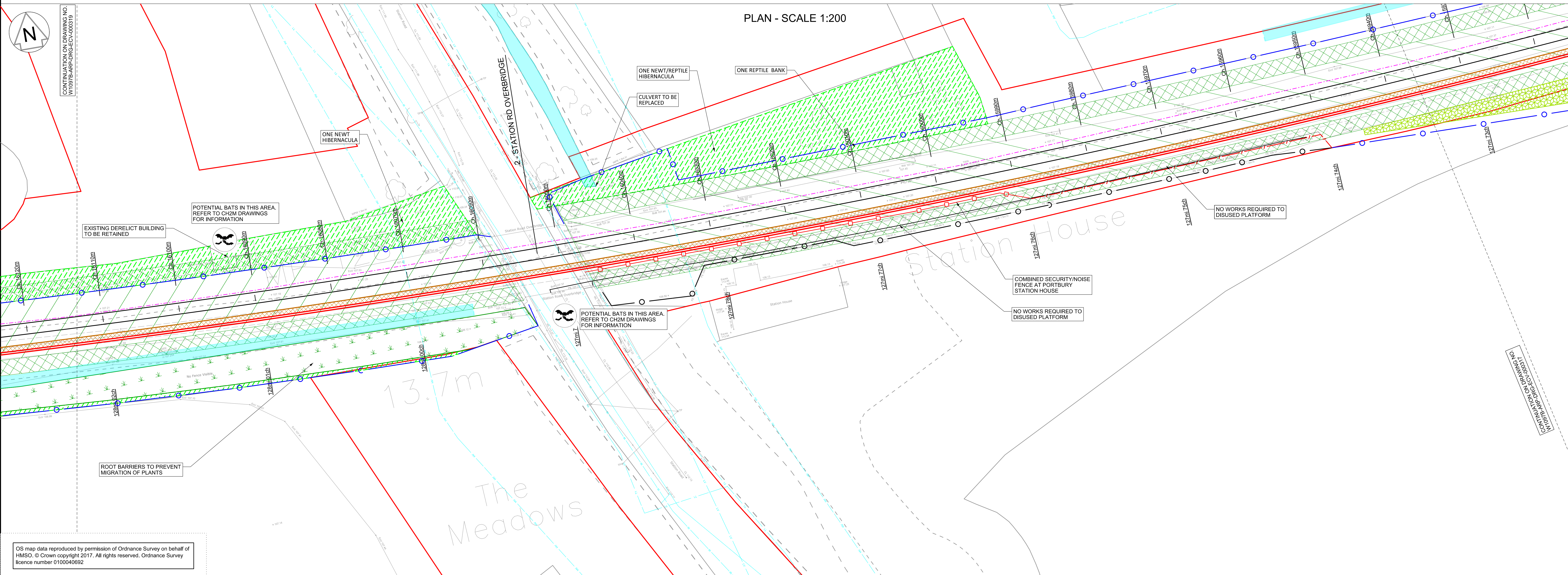
Project Title: GRIP 4 MINOR CIVILS CH.15740m TO CH.15930m

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

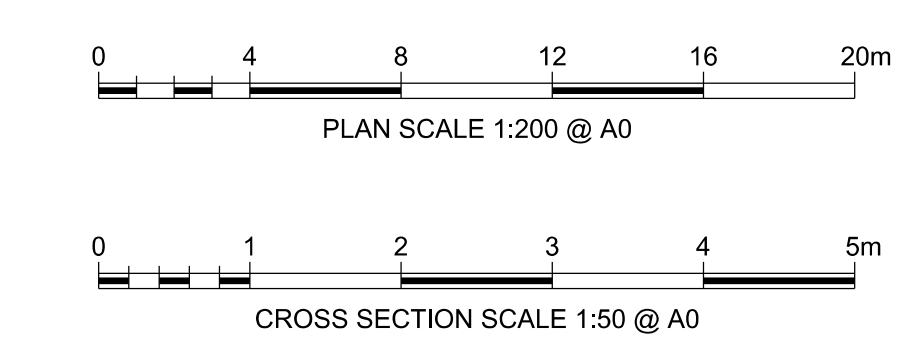
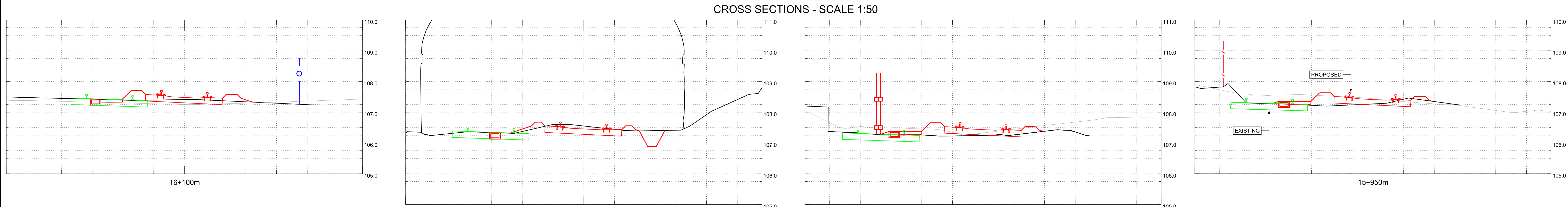
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A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A04	20/08/20	FOR DCO PLANNING APPLICATION	JB	RS	RS	

FIT FOR INFORMATION S2



Contractor(s)



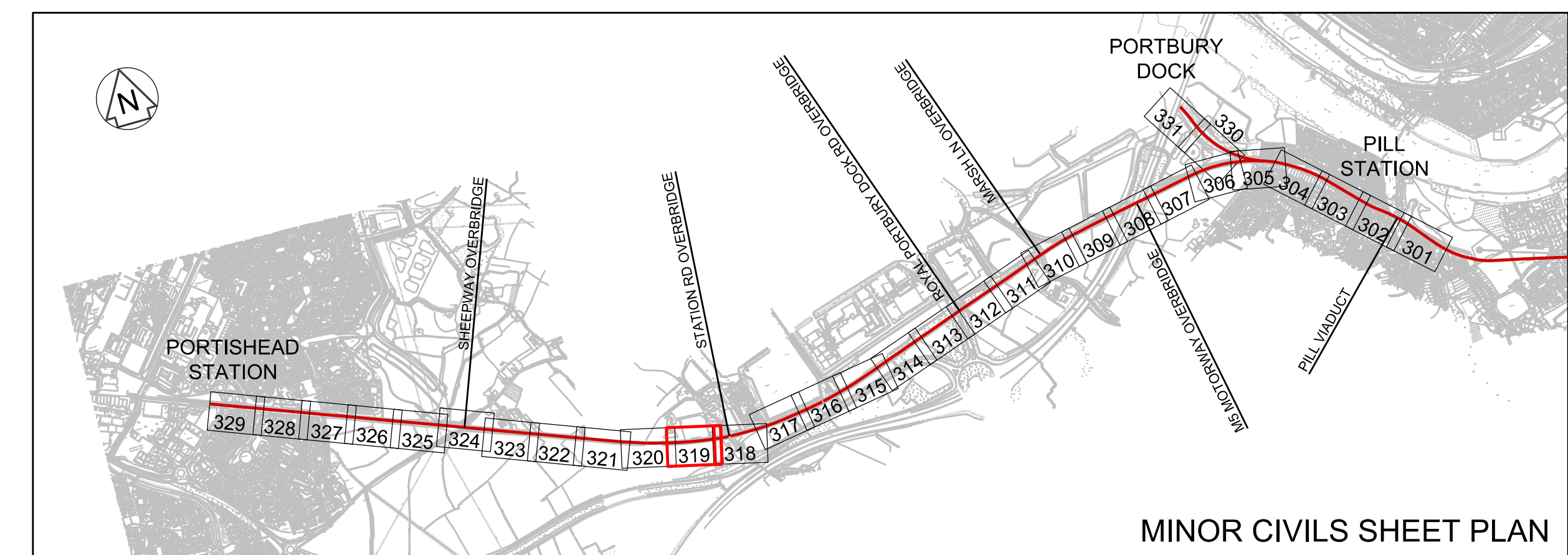
Project: METROWEST PHASE 1

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

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
Scale(s)	1:200	ELR & Mease	Sheet	18 of 31	
Alternative Reference	POD 127M 73CH	Sheet			

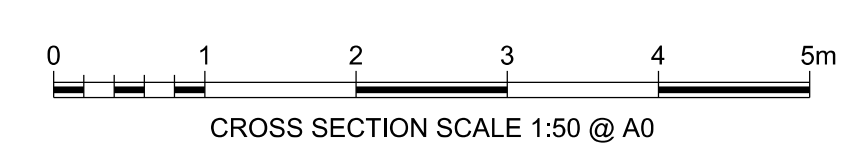
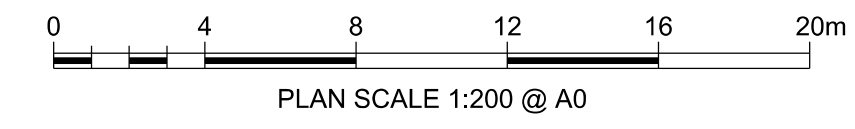
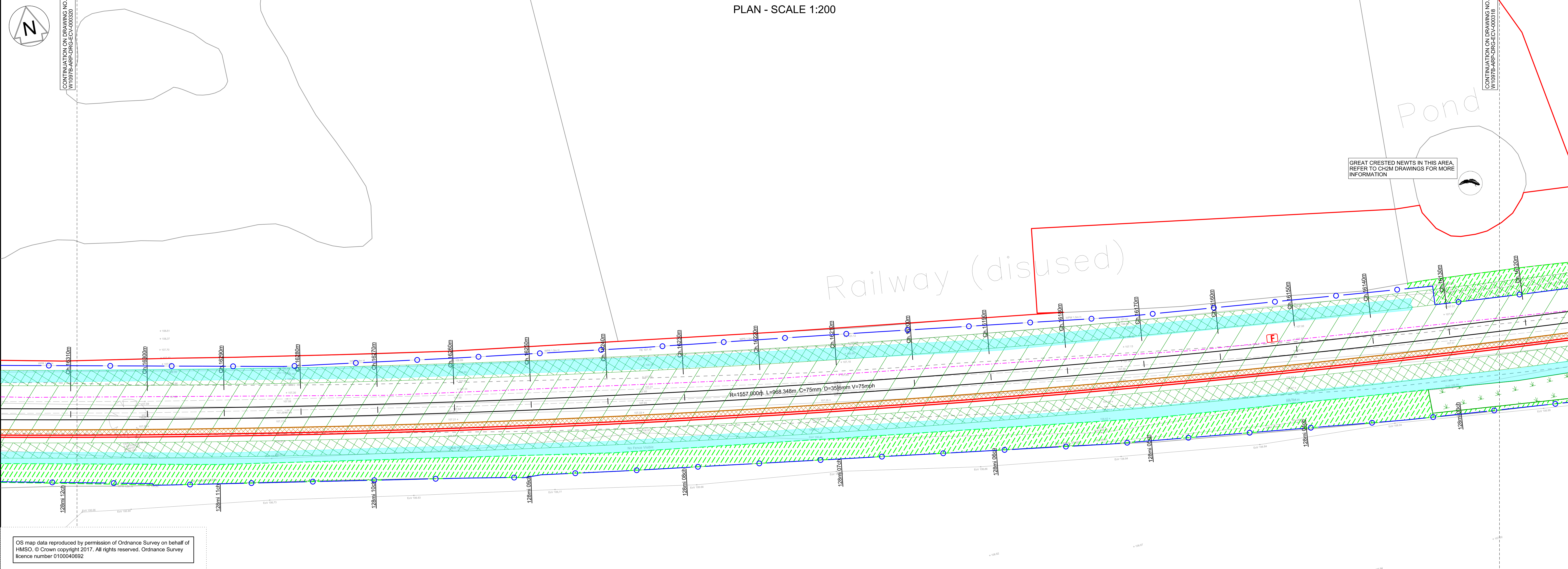
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MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	—	WATER VOLES	🐹
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	☒	FOUL SEWER	—	BATS	🦇
EXISTING FENCE GRADE III	— / — / —	PROPOSED CABINET TO BE REMOVED/RELOCATED	☒	RIISING MAIN	—	DORMICE	🐭
EXISTING FENCE REMOVED	— / — / —	EXISTING CABINET LOCATION	☒	SEWER SURFACE	—	OTTERS	🦦
EXISTING FENCE MODIFIED/REPLACED WITH GRADE I FENCE	— / — / —	MINOR EARTHWORKS RETAINING STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - BELOW GROUND	—	REPTILES	🐍
EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	GREAT CRESTED NEWT	🐸
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	NOISE BARRIER	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	BIRD BOX (PROPOSED)	🏠
PROPOSED FENCE GRADE I	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒	GRSS PIPELINE	—	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	🌿
PROPOSED FENCE GRADE II	— / — / —	LAND BOUNDARY	☒	PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA	☒	WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED FENCE GRADE III	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	☒	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
PROPOSED TROUHING	— / — / —	AUTHORISED WALKING ROUTE	☒	EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED	☒	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	🌳
EXISTING TROUHING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒				
REMOVED TROUHING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION TO CLEAR IN FUTURE SHOWN CROSS HATCHED	☒				
EXISTING TROUHING MODIFIED/REPLACED	— / — / —						
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —						
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —						
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —						

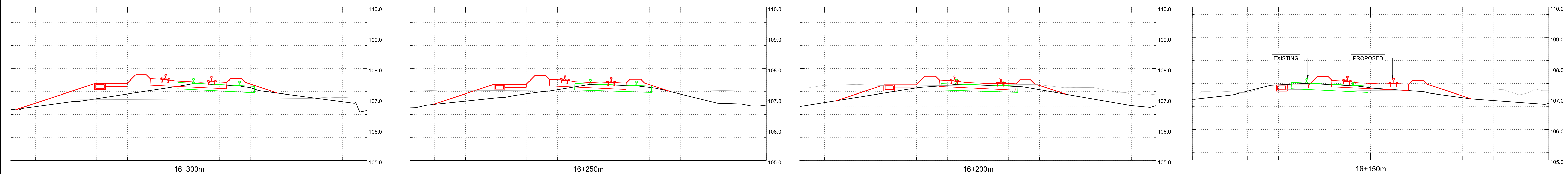


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PLAN - SCALE 1:200



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	20/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.
FIT FOR INFORMATION					
					Suitability S2



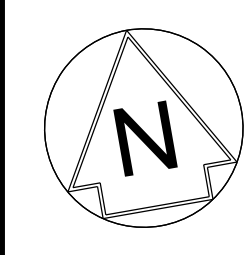
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EXISTING FENCE GRADE III	— / — / —	PROPOSED CABINET TO BE REMOVED/RELOCATED	☒	RISING MAIN	— — — — —	DORMICE	🐭
EXISTING FENCE REMOVED	— / — / —	EXISTING CABINET LOCATION	☒	SEWER SURFACE	— — — — —	OTTERS	🦦
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EXISTING FENCE MODIFIED/REPLACED WITH GRADE II FENCE	— / — / —	EARTHWORKS STRUCTURE	☒	SEWER SURFACE	— — — — —	GREAT CRESTED NEWT	🐸
EXISTING FENCE MODIFIED/REPLACED WITH GRADE III FENCE	— / — / —	NOISE BARRIER	☒	SEWER SURFACE	— — — — —	BIRD BOX (PROPOSED)	🏠
PROPOSED FENCE GRADE I	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒	SEWER SURFACE	— — — — —	AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	🌿
PROPOSED FENCE GRADE II	— / — / —	LAND BOUNDARY	☒	SEWER SURFACE	— — — — —	WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED FENCE GRADE III	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	SEWER SURFACE	— — — — —	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
PROPOSED TROUING	— / — / —	AUTHORISED WALKING ROUTE	☒	SEWER SURFACE	— — — — —	HEGGE/TREES TO BE PLANTED DURING CONSTRUCTION	🌳
REMOVED TROUING	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	SEWER SURFACE	— — — — —		
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	☒	SEWER SURFACE	— — — — —		
PROPOSED UNDER TRACK CROSSING (UTX)	— / — / —			SEWER SURFACE	— — — — —		
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			SEWER SURFACE	— — — — —		
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Project METROWEST PHASE 1

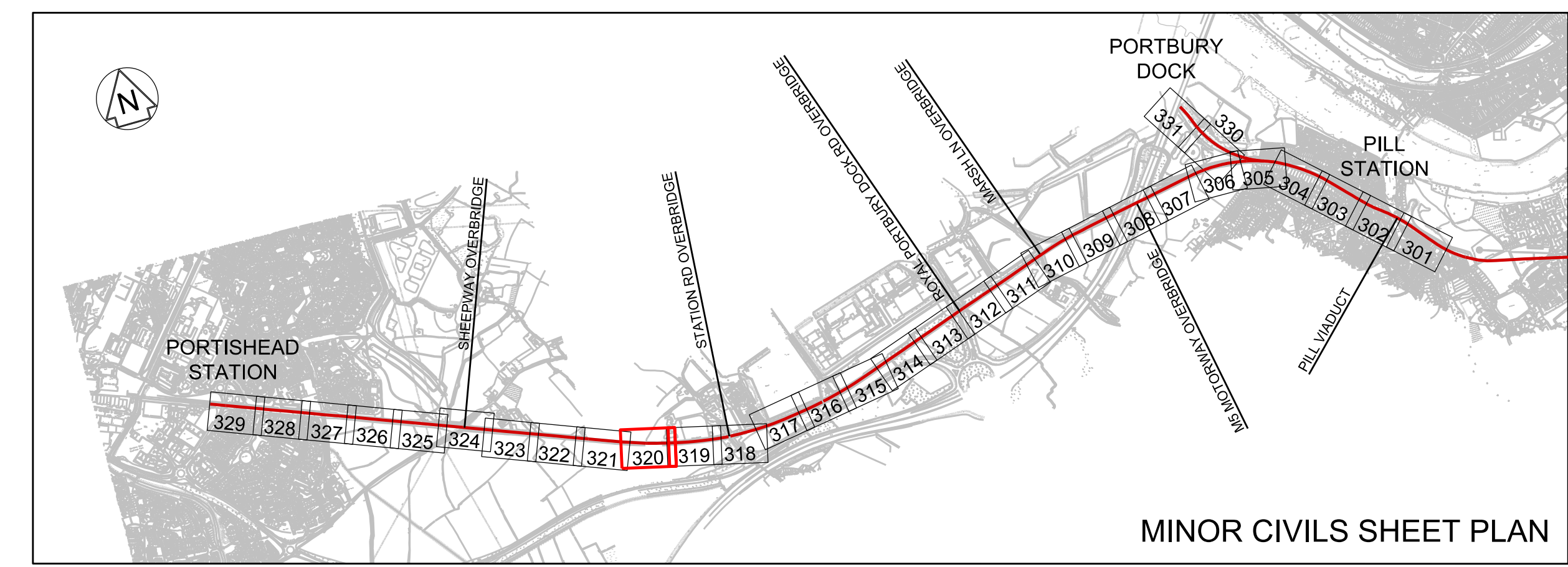
Disused Railway Engineering Plans
GRIP 4 MINOR CIVILS
CH.16120m TO CH.16310m

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

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

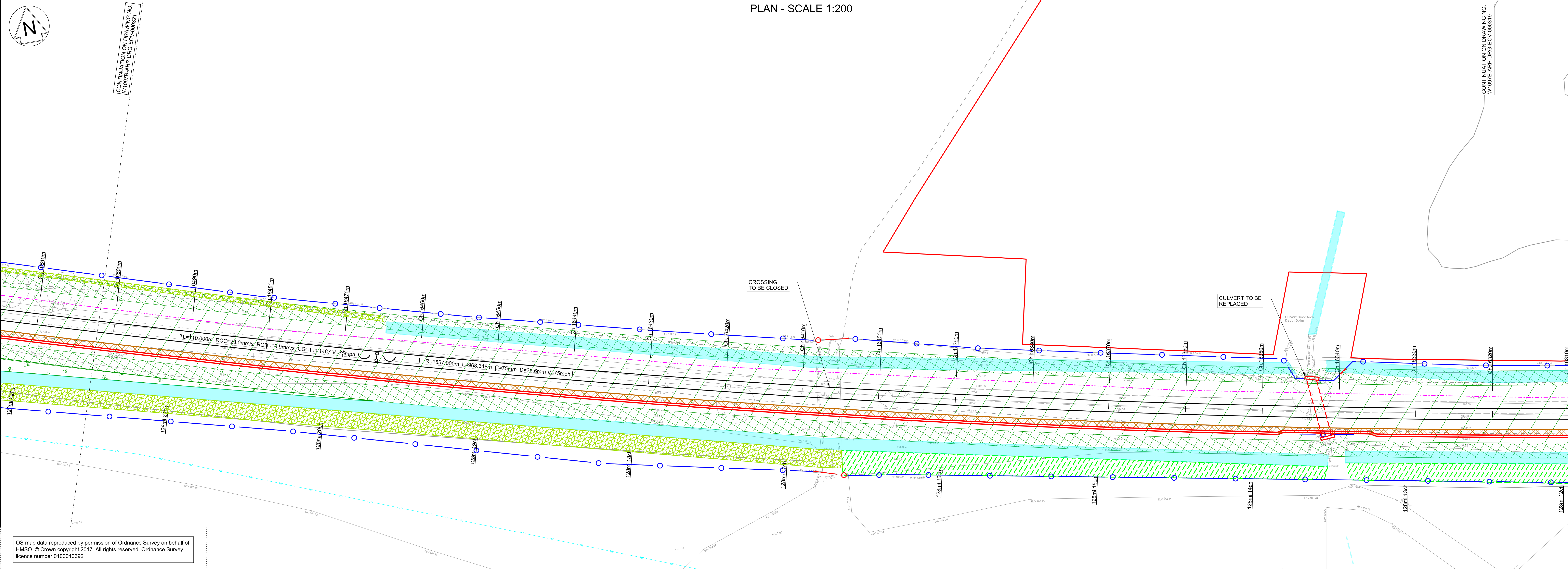


CONTINUATION ON DRAWING NO
W1097B-ARP-DRG-ECV-000321



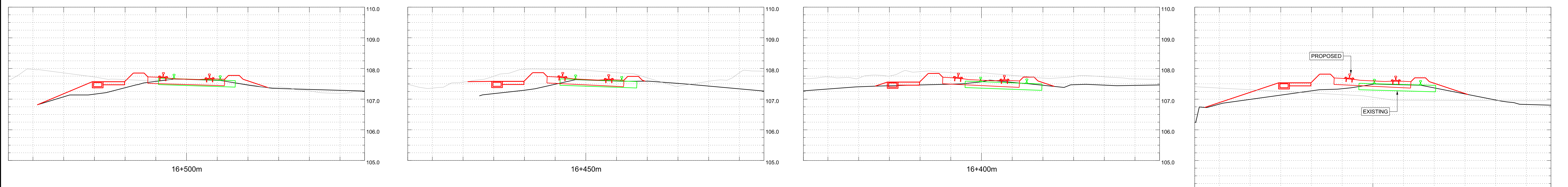
- Legend/Notes
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PLAN - SCALE 1:200

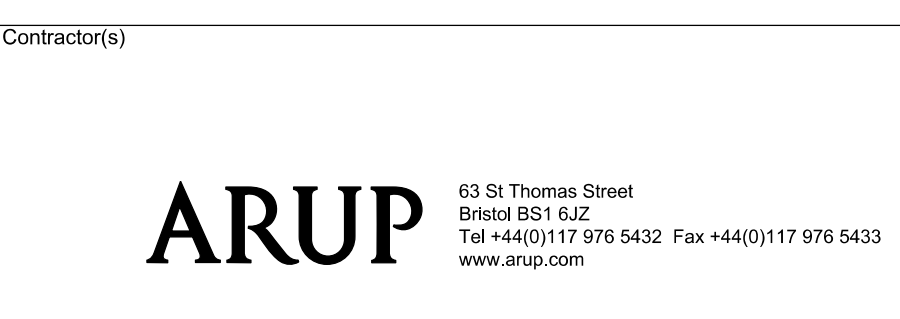


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CROSS SECTIONS - SCALE 1:50



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	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



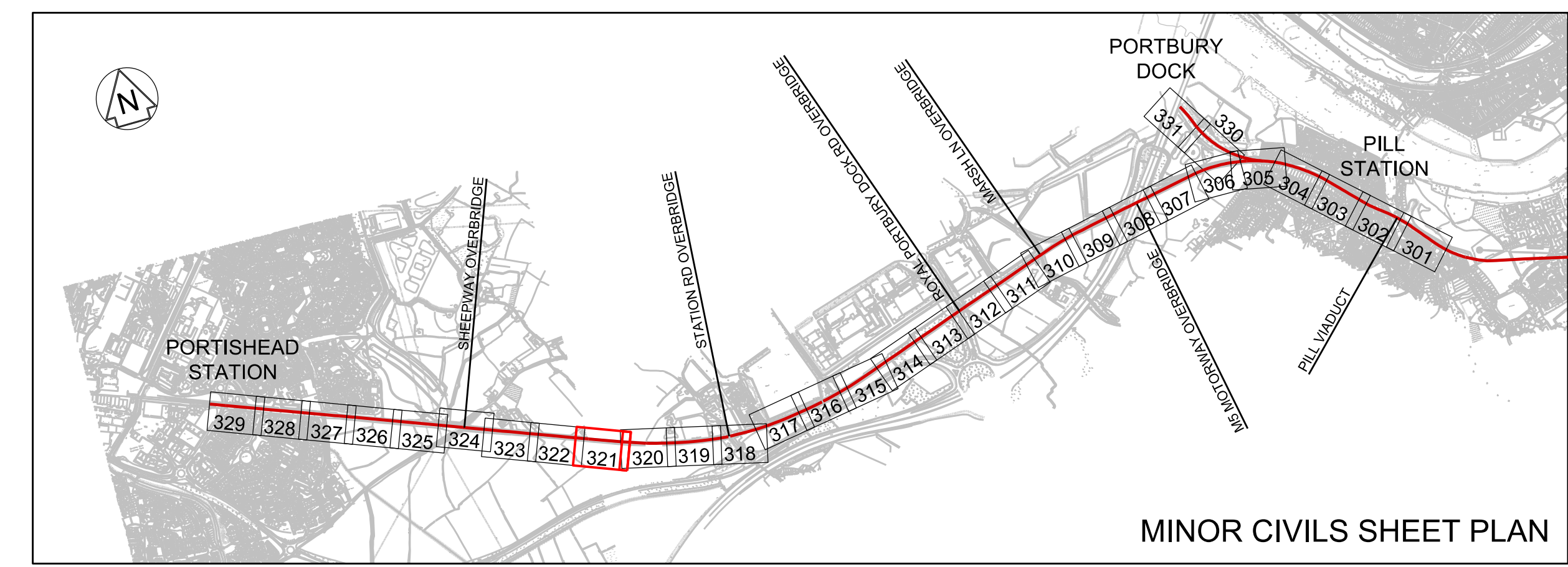
Project: METROWEST PHASE 1

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

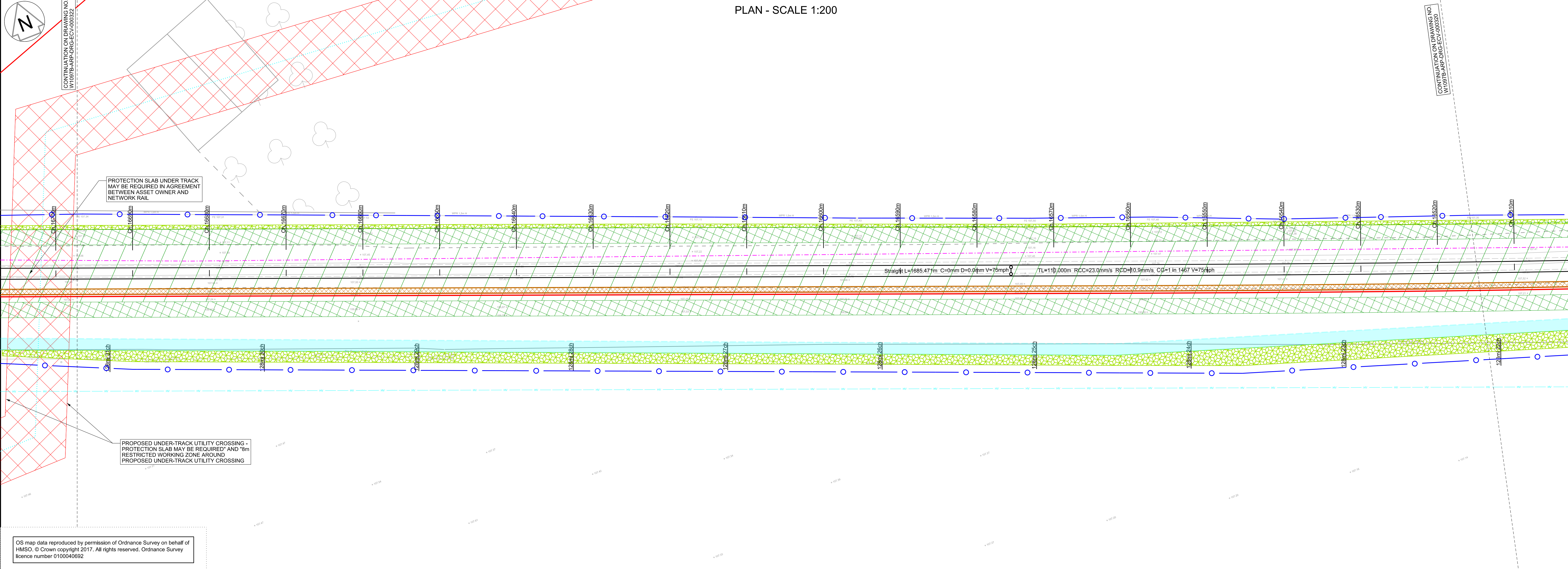
Designed	J. BACINSKI	Signed		Date	24/07/19
Drawn	J. BACINSKI	Signed		Date	24/07/19
Checked	R. SNELL	Signed		Date	24/07/19
Approved	R. SNELL	Signed		Date	24/07/19

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Alternative Reference: POD 128M 12CH
Drawing Number: W1097B-ARP-DRG-ECV-000320 | A03
Sheet: 20 of 31
Revision:

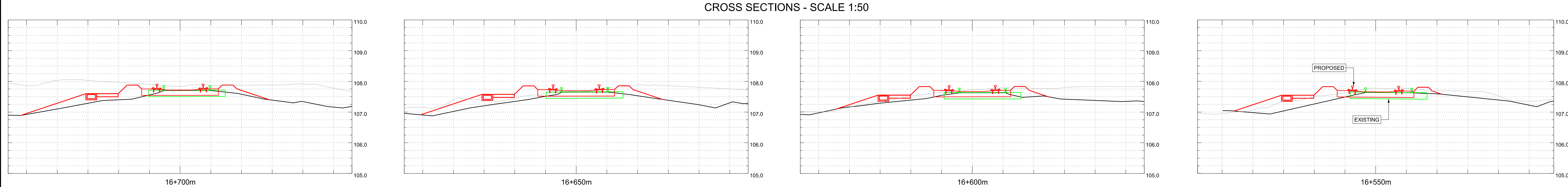
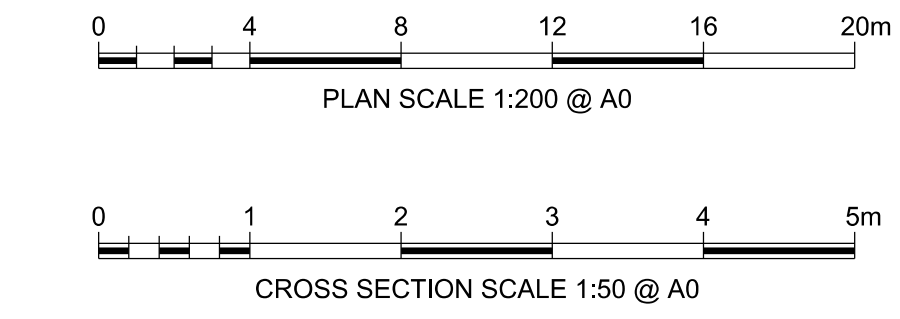
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	—	WATER VOLES	☞
EXISTING FENCE GRADE II	— ○ —	PROPOSED SIGNAL (NOT TO SCALE)	☑	FOUL SEWER	—	BATS	☞
EXISTING FENCE GRADE III	— ● —	EXISTING 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	☑	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	☒	LOW VOLTAGE ELECTRICITY - ABOVE GROUND	—	BIRD BOX (PROPOSED)	☞
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER	☒	GROSS 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 TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	HIGH PRESSURE GAS MAIN	—	HEGGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	☒	BT CABLE - BELOW GROUND	—		
EXISTING TROUING MODIFIED/REPLACED	— / — / —	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	BT CABLE ABOVE 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	—		



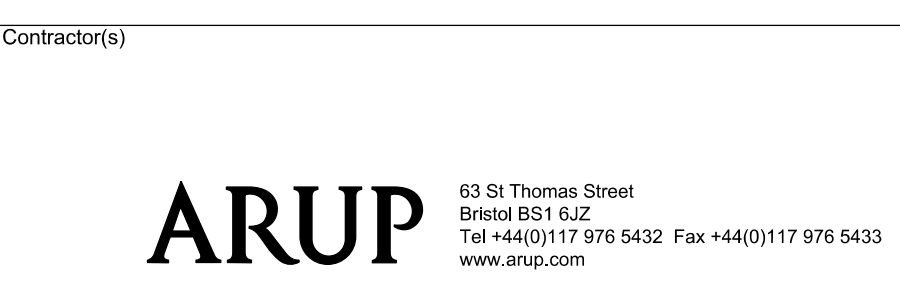
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Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Substn
A01	15/03/18	ISSUED FOR INFORMATION	JB	RS	RS	
A02	03/05/18	FOR DCO PLANNING APPLICATION	JB	RS	RS	
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	



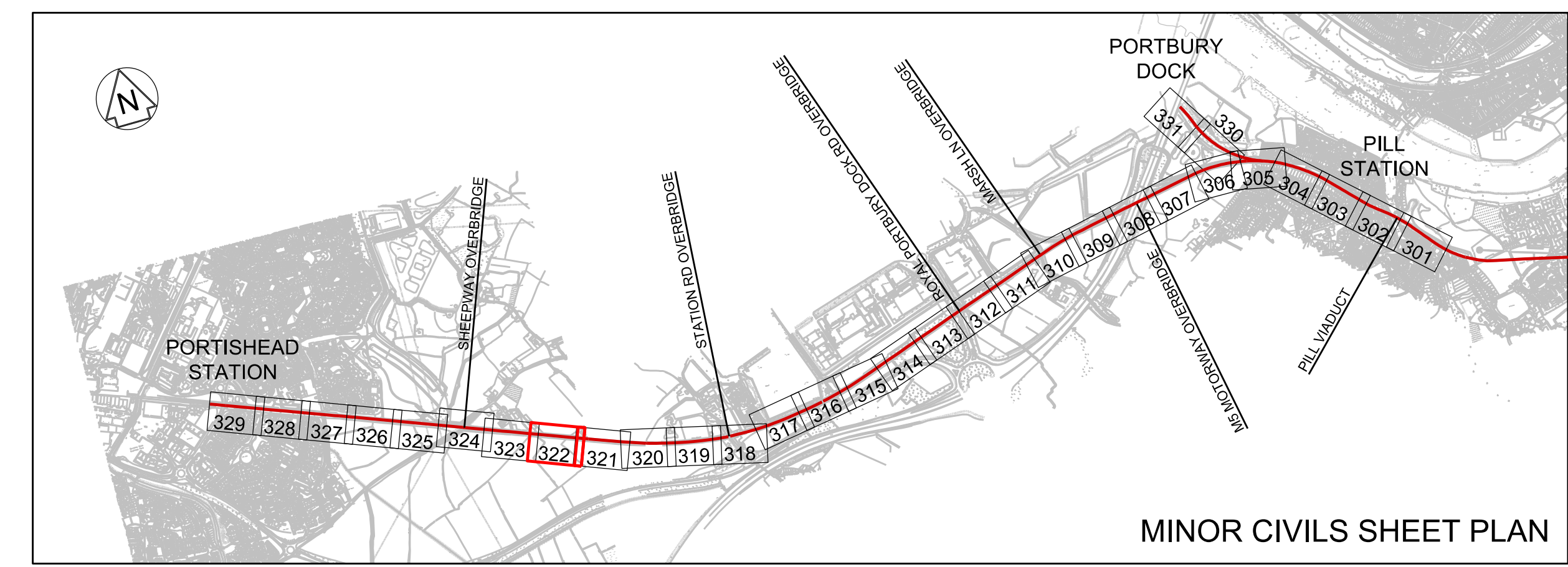
Project
METROWEST PHASE 1

Drawing Title
**DISUSED RAILWAY ENGINEERING PLANS
GRIP 4 MINOR CIVILS
CH.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

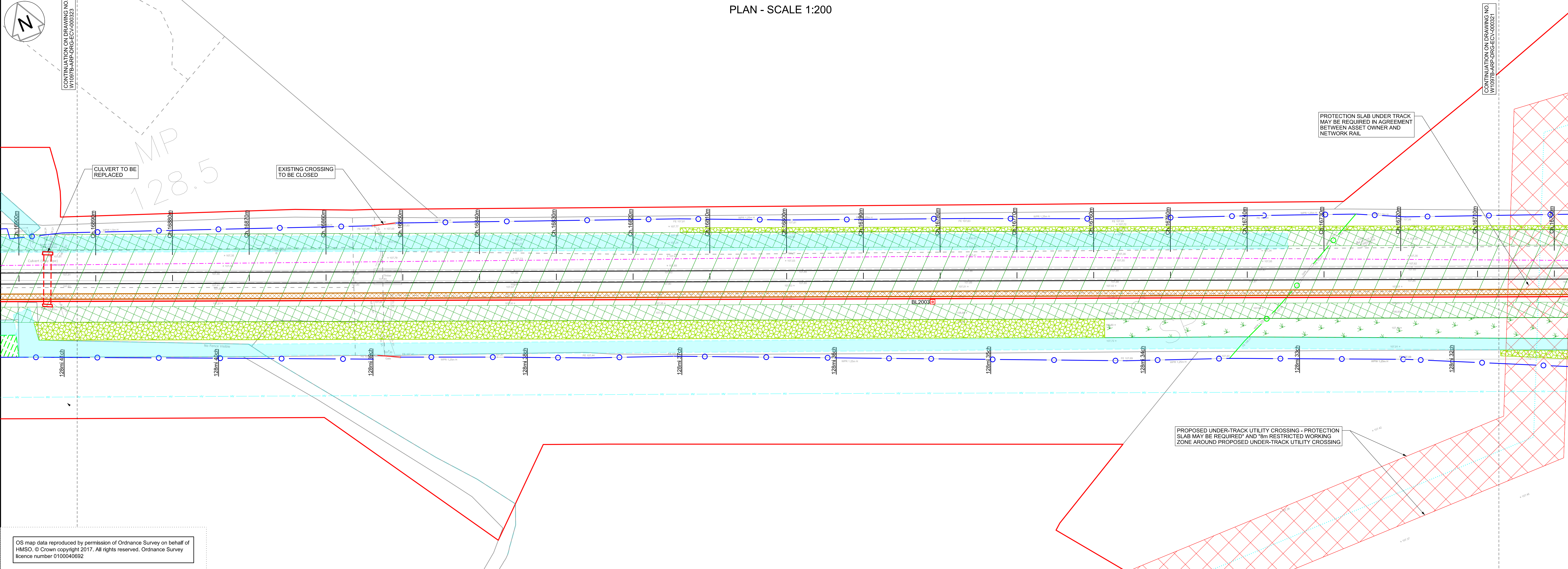
Scale(s)
1:200
Alternative Reference
POD 128M 22CH
Drawing Number
W1097B-ARP-DRG-ECV-000321 A03
Sheet
21 of 31
Revision

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		GROSS 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 TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY		BT CABLE - BELOW GROUND			
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE		BT CABLE ABOVE GROUND			
EXISTING TROUING 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			
EXISTING UNDER TRACK CROSSING (UTX)	— / — / —			VERIZON BACKBONE DUCT - BELOW GROUND			
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —			EXISTING DITCHES TO BE RETAINED/REPLACED			

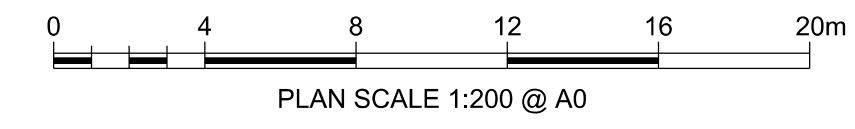


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 - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

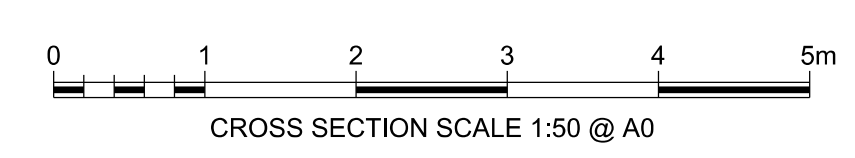
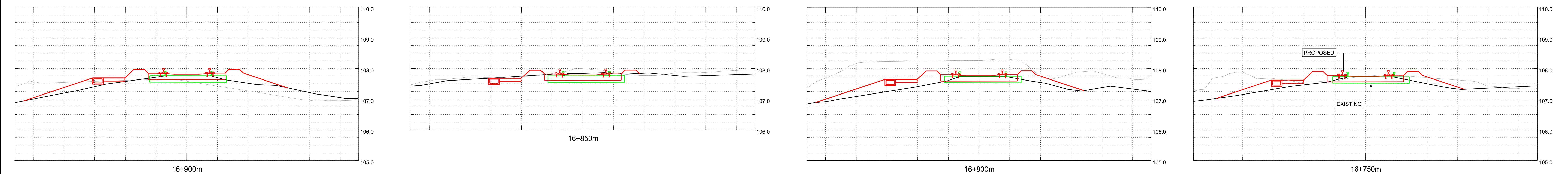
PLAN - SCALE 1:200



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CROSS SECTIONS - SCALE 1:50



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

Sheet: **FIT FOR INFORMATION** Sub: S2



Contractor(s):



Project: **METROWEST PHASE 1**

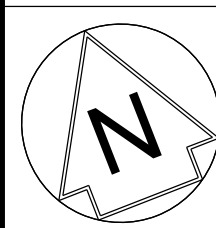
Drawing Title: **DISUSED RAILWAY ENGINEERING PLANS
GRIP 4 MINOR CIVILS
CH.16700M TO 16900M**

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

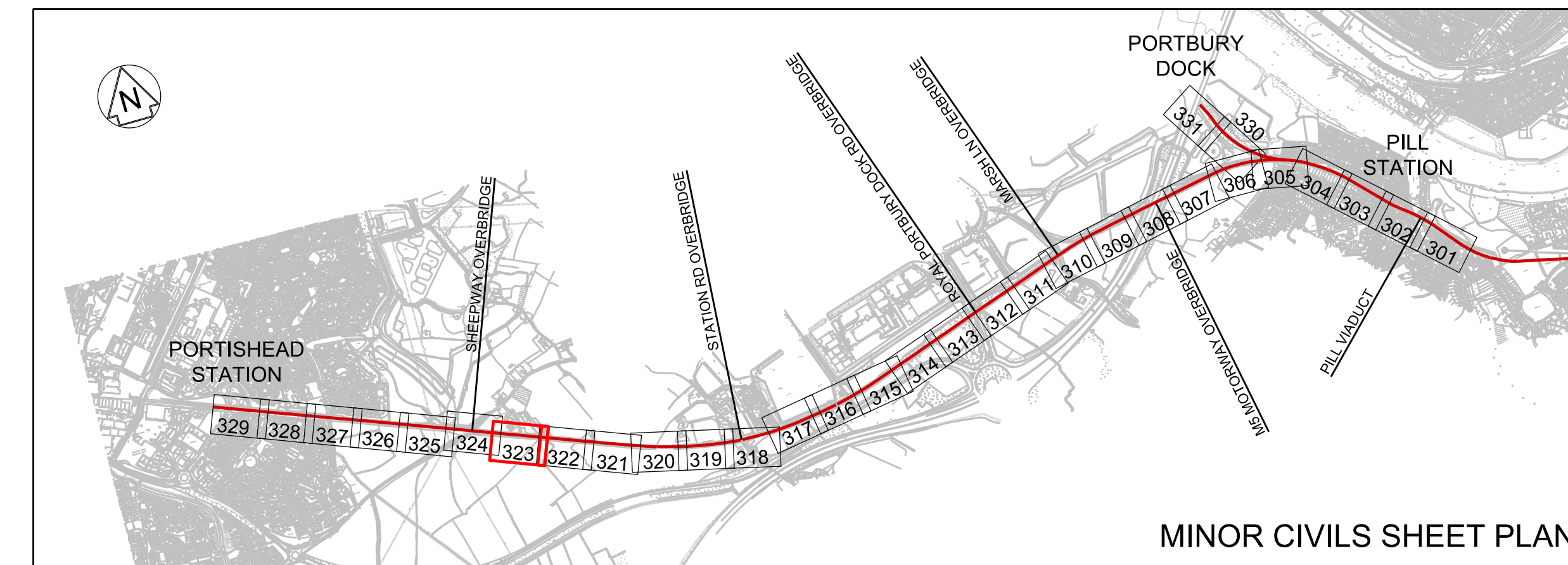
Alternative Reference: **POD 128M 32CH** Sheet: **22** of **31**

Drawing Number: **W1097B-ARP-DRG-ECV-000322** 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)	☒	GROSS PIPELINE	—	WOODLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY	☒	LOW PRESSURE GAS MAIN	—	GRASSLAND TO BE PLANTED DURING CONSTRUCTION	☒
PROPOSED TROUGHING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	MEDIUM PRESSURE GAS MAIN	—	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
REMOVED TROUGHING	— / — / —	AUTHORISED WALKING ROUTE	☒	HIGH PRESSURE GAS MAIN	—		
EXISTING TROUGHING 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	—		
REMOVED UNDER TRACK CROSSING (UTX)	— / — / —			VIRGIN MEDIA CABLE - BELOW GROUND	—		
				VERIZON BACKBONE DUCT - BELOW GROUND	—		
				EXISTING DITCHES TO BE RETAINED/REPLACED	—		

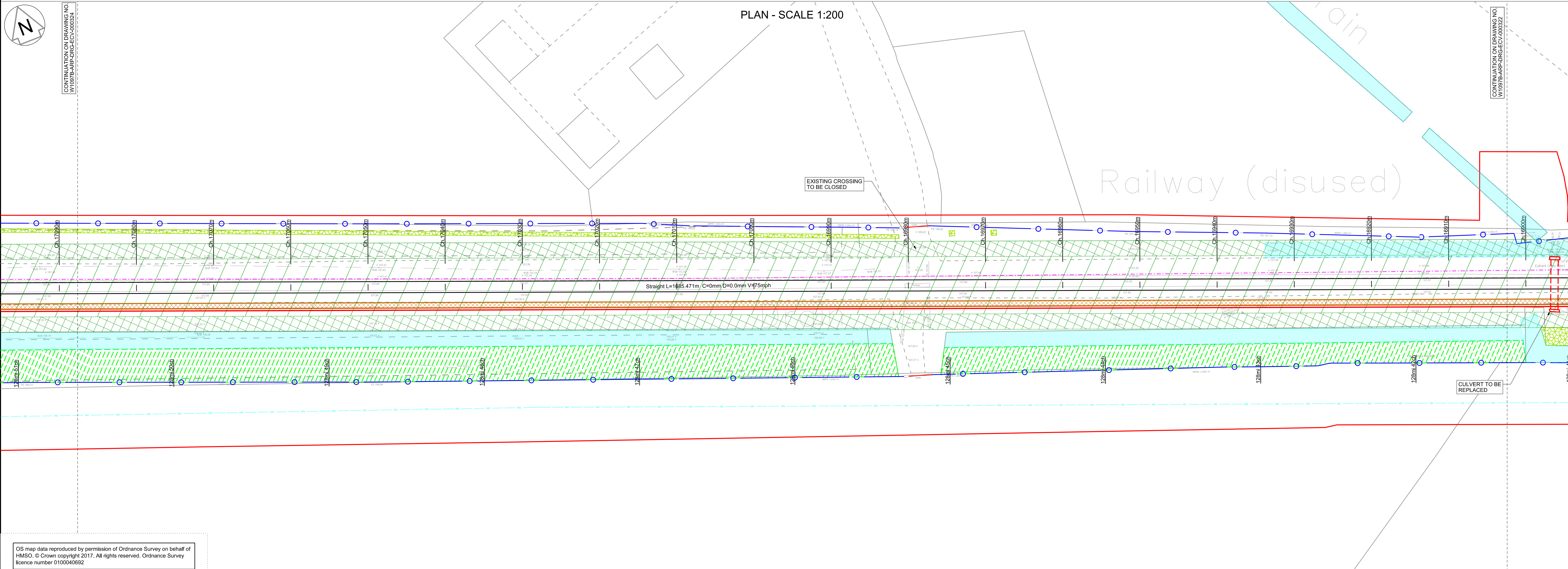


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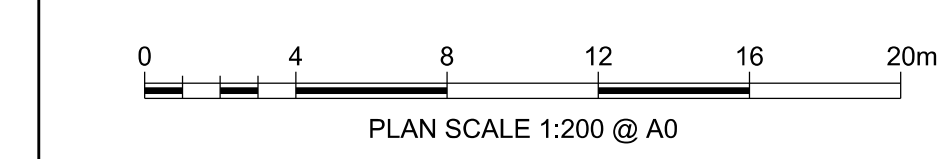


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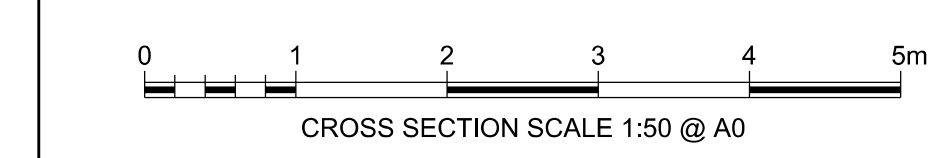
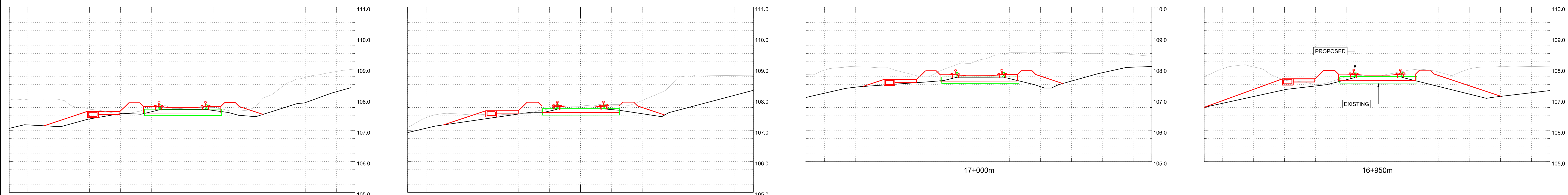
PLAN - SCALE 1:200



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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	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS	

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Contractor(s)



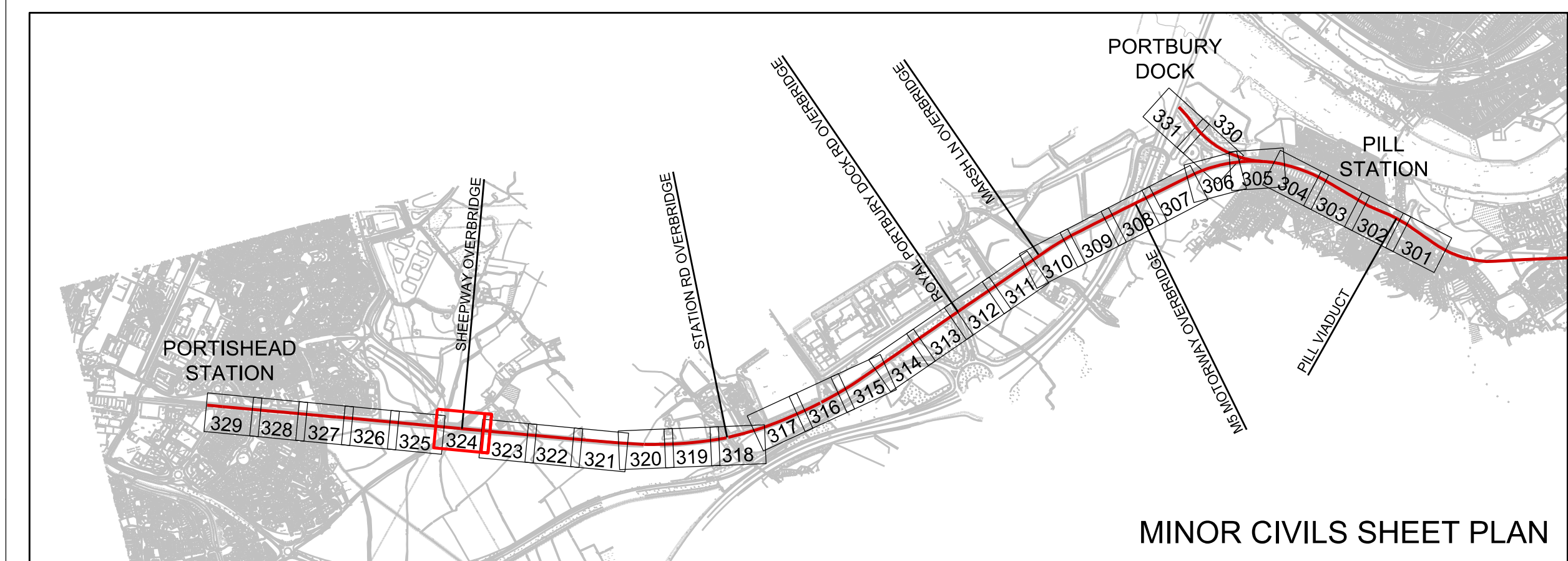
Project METROWEST PHASE 1

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

Design	Checked	Approved	Scale(s)	Alternative Reference	Drawn	Checked	Approved	Scale(s)	Alternative Reference
J. BACINSKI	R. SNELL	R. SNELL	1:200		J. BACINSKI	R. SNELL	R. SNELL	1:200	

Sheet: 23 of 31
Drawing Number: W1097B-ARP-DRG-ECV-000323 | A03

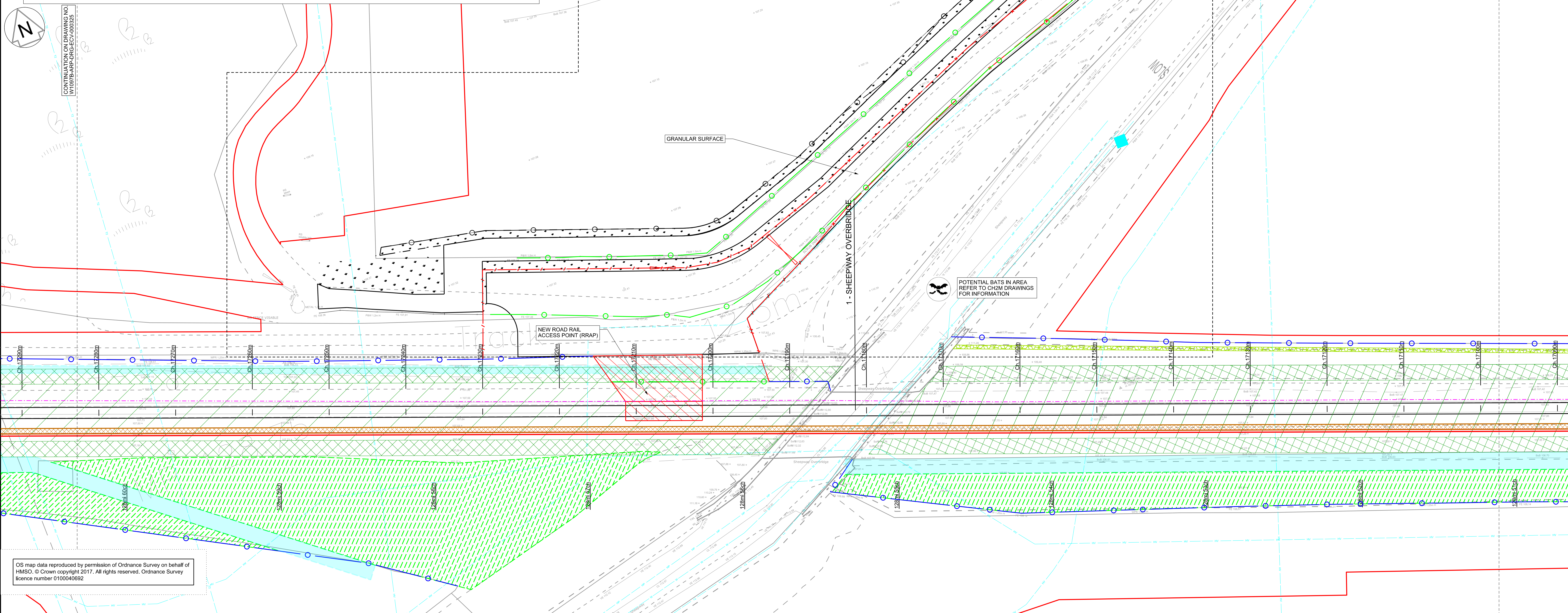
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURD FIBRE CABLE	— · — · — ·	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT 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)	— / — / —						



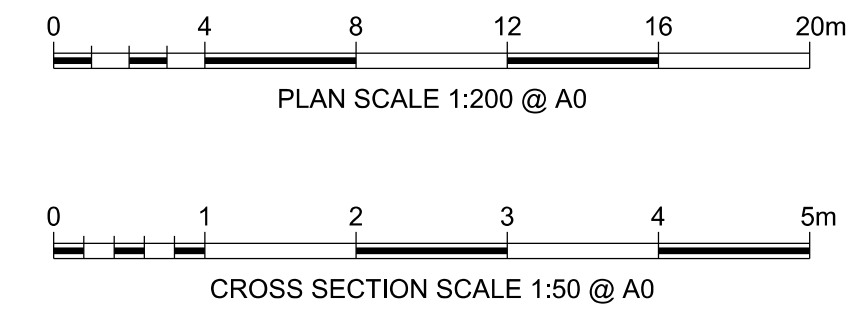
PROPOSED PERMANENT COMPOUND REFER TO CH2M DESIGN WORKS EXTERNAL TO COMPOUND BOUNDARY FENCE. DRAWING NO. 467470.BQ.04.20-400 REV.1

PLAN - SCALE 1:200

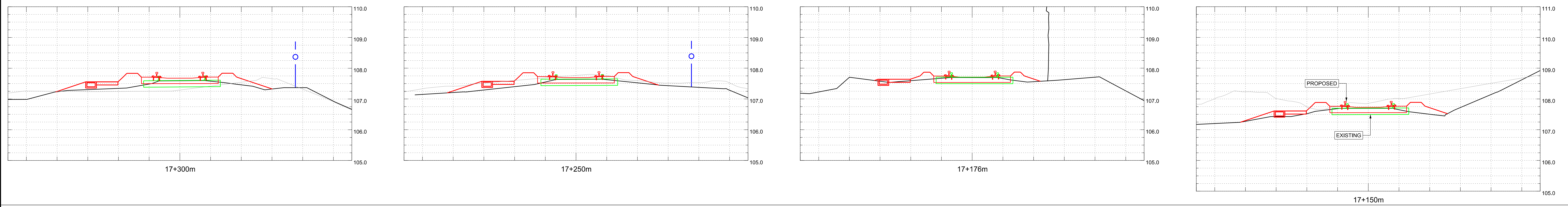
- Legend/Notes
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CROSS SECTIONS - SCALE 1:50



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	Crtd	Appr



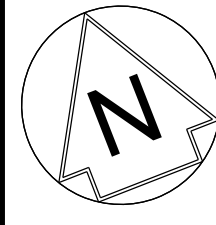
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	--- --- ---	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURED FIBRE CABLE	---	WATER VOLES	🦫
EXISTING FENCE GRADE II	--- --- ---	PROPOSED SIGNAL (NOT TO 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

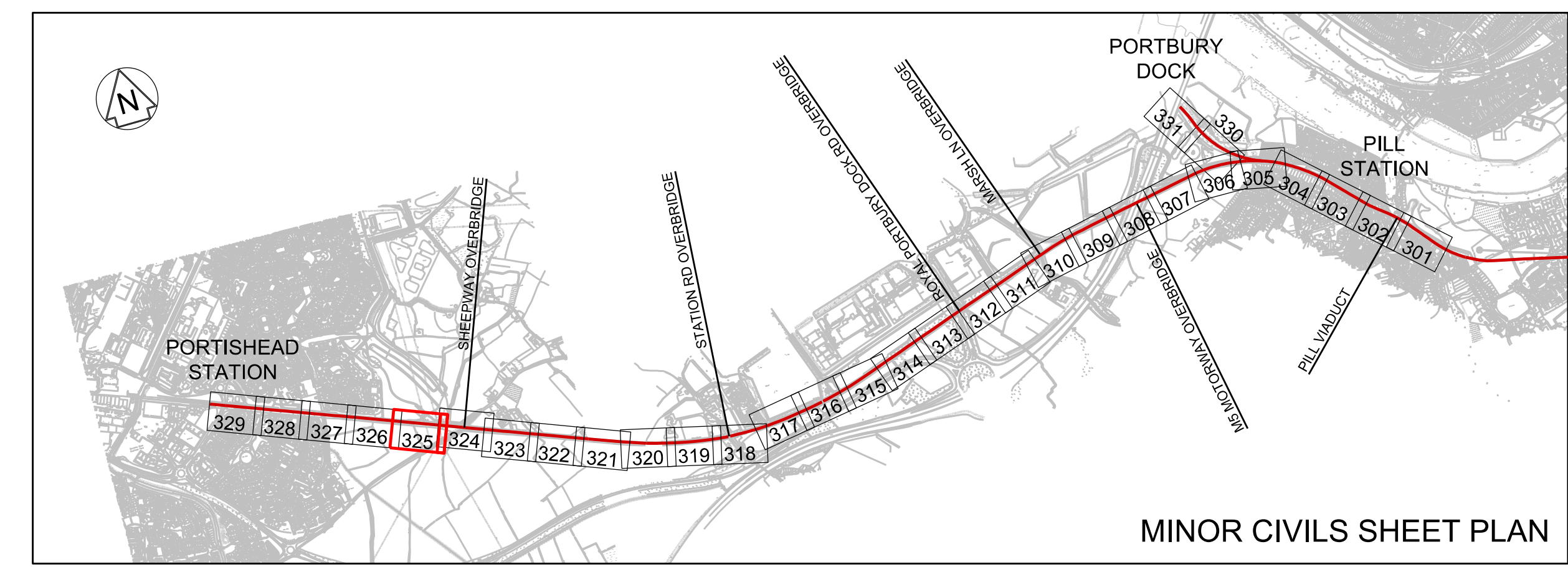
Drawing Title: DISUSED RAILWAY ENGINEERING PLANS
GRIP 4 MINOR CIVILS
CH.17090M TO 17290M

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

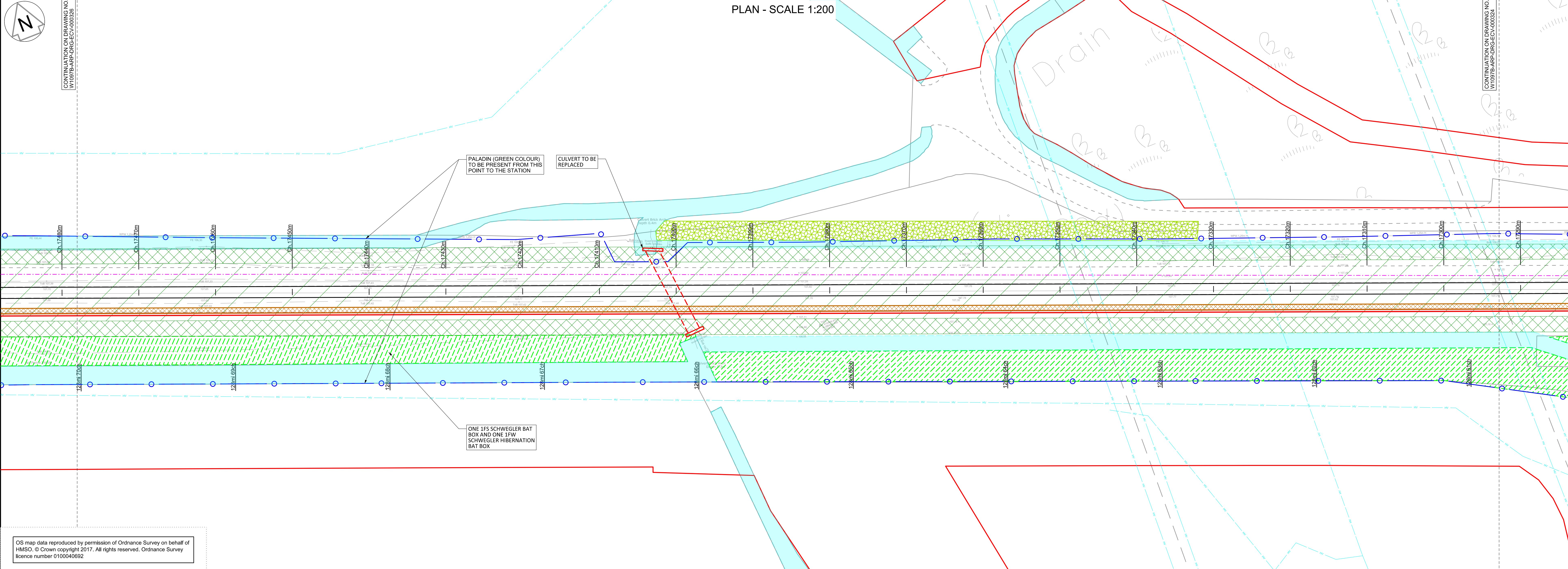


CONTINUATION ON DRAWING NO. W1097B-ARP-DRG-ECV-000326

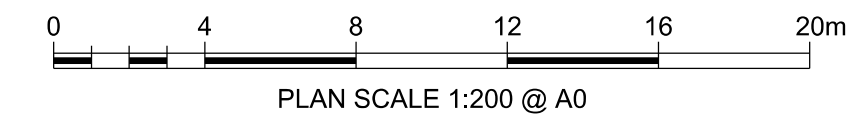


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 - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

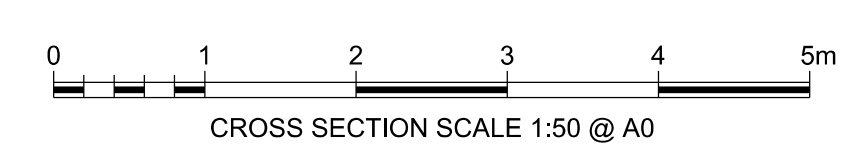
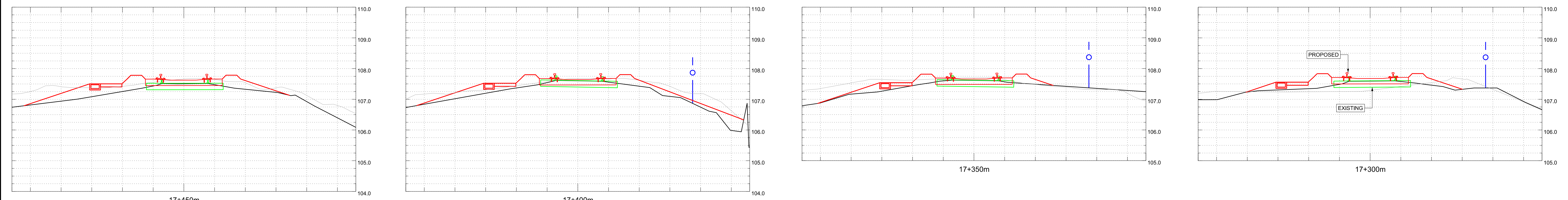
PLAN - SCALE 1:200



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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				RS
A02	03/05/19	FOR DCO PLANNING APPLICATION				RS
A03	20/07/19	FOR DCO PLANNING APPLICATION				RS

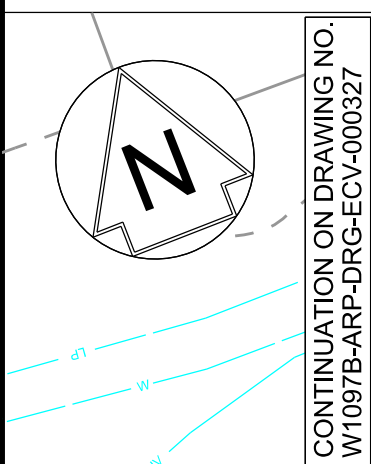


Project METROWEST PHASE 1

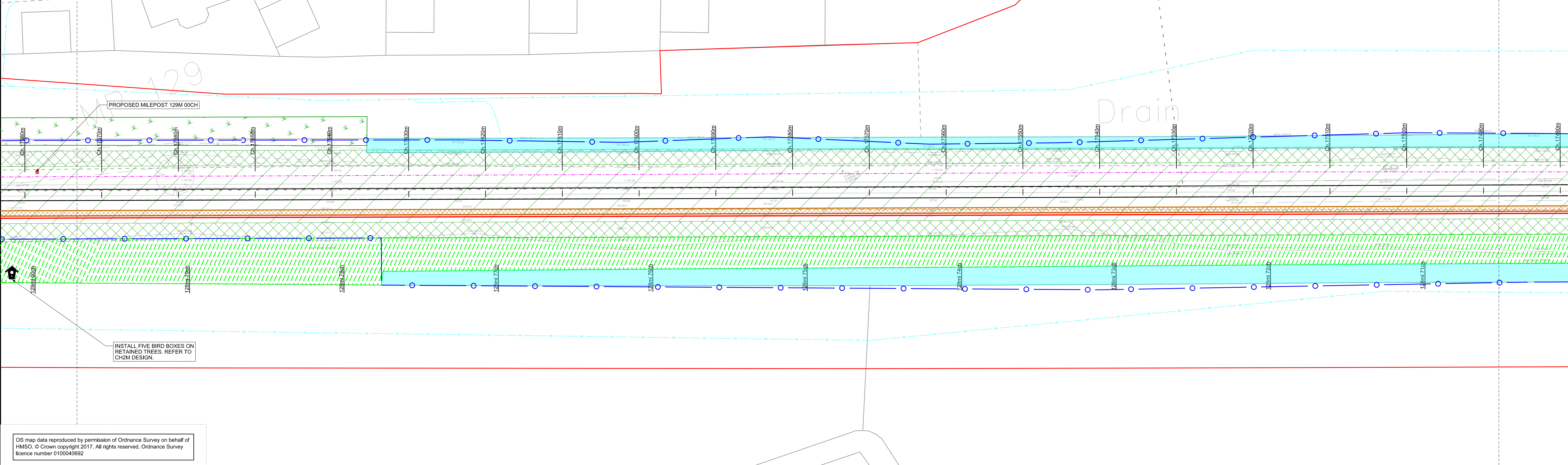
Drawing Title
DISUSED RAILWAY ENGINEERING PLANS
GRIP 4 MINOR CIVILS
CH.17290M TO 17480M

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

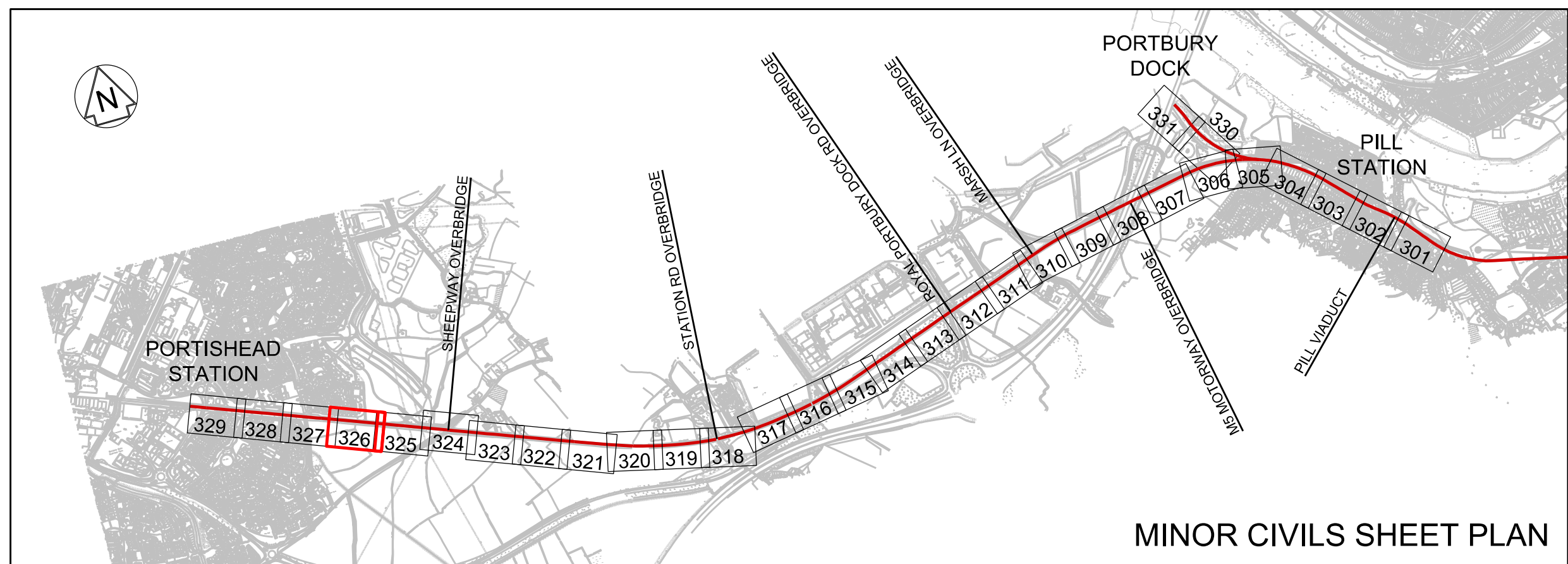
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	☒	WATER MAIN	—	WATER VOLES	☞
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	☒	FOUL SEWER	—	BATS	☞
EXISTING FENCE GRADE III	— / — / —	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 TROUING	— / — / —	CONTINUOUS POSITION OF SAFETY	☒	HIGH PRESSURE GAS MAIN	—	HEDGE/TREES TO BE PLANTED DURING CONSTRUCTION	☒
REMOVED TROUING	— / — / —	AUTHORISED WALKING ROUTE	☒	BT CABLE - BELOW GROUND	—		
EXISTING TROUING 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

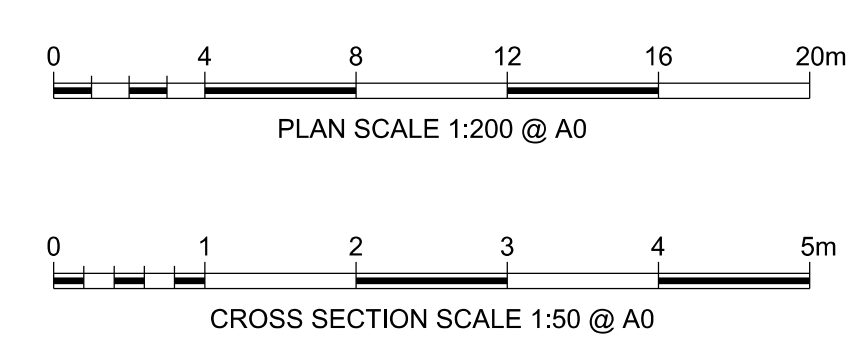
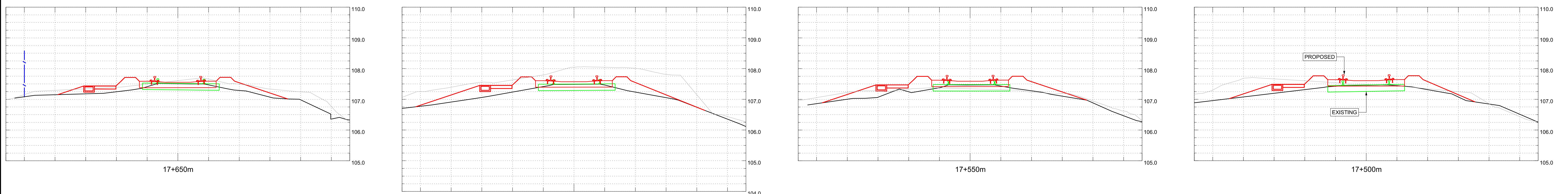


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CROSS SECTIONS - SCALE 1:50



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



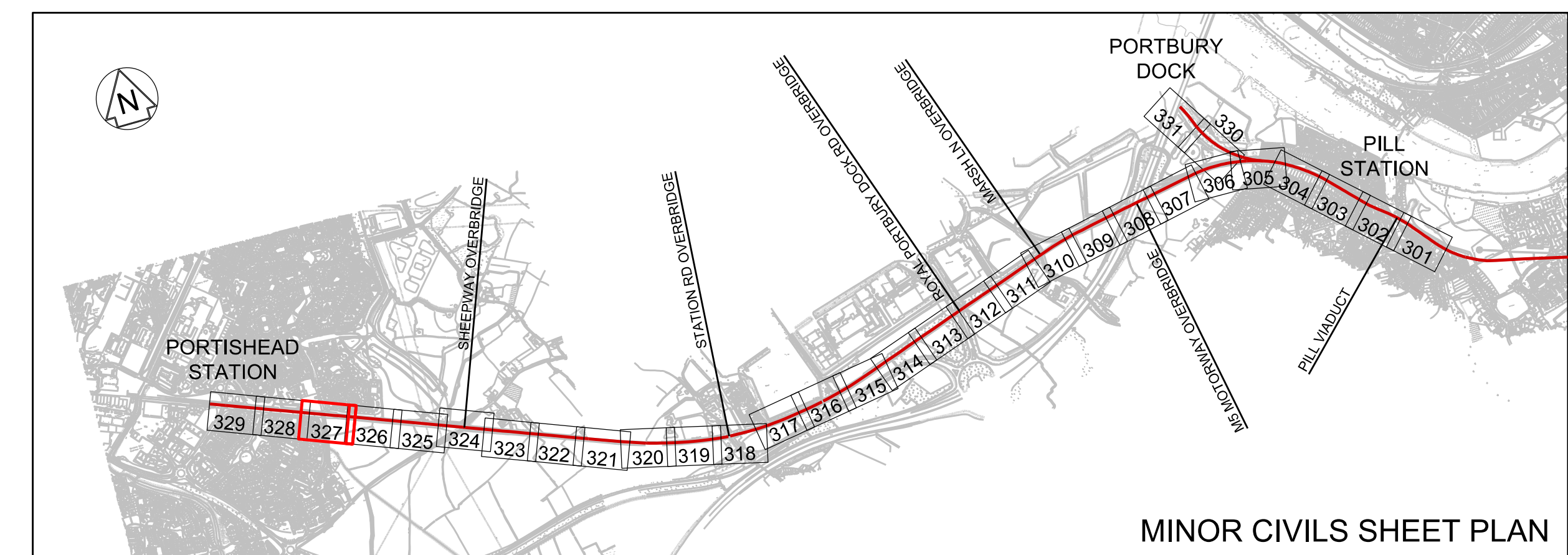
Contractor(s)
ARUP
63 St Thomas Street
Bristol BS1 5LZ
Tel +44(0)117 976 5432 Fax +44(0)117 976 5433
www.arup.com

Project
METROWEST PHASE 1

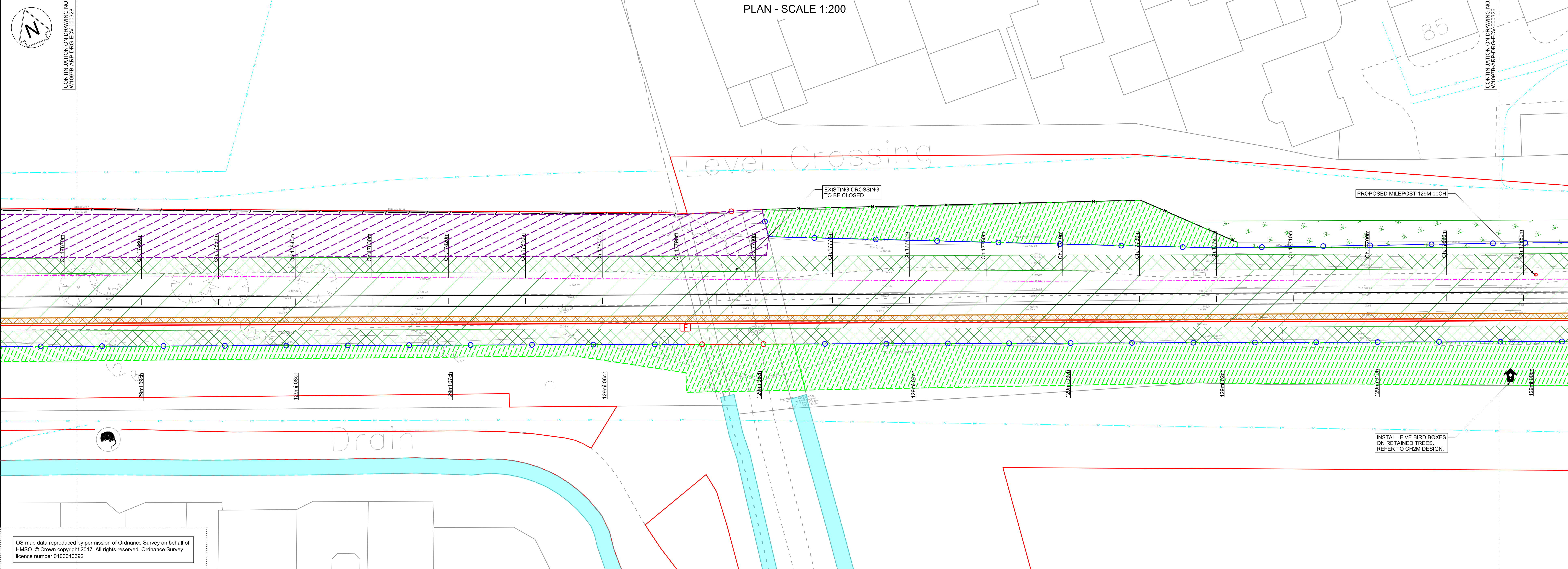
Drawing Title
**DISUSED RAILWAY ENGINEERING PLANS
GRP 4 MINOR CIVILS
CH.17480M TO CH.17680M**

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 & Measo		Sheet	26 of 31
Alternative Reference		POD	128M	71CH	

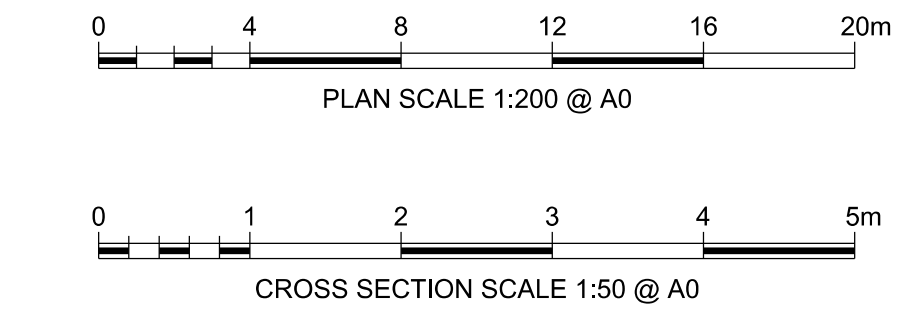
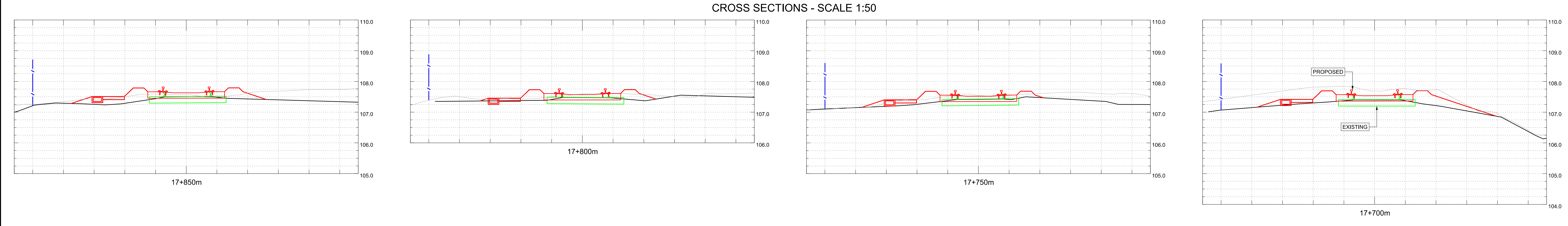
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)		WATER MAIN		WATER VOLES	
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)		FOUL SEWER		BATS	
EXISTING FENCE GRADE III	— / — / —	EXISTING 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		GRSS PIPELINE		BIRD BOX (PROPOSED)	
PROPOSED FENCE GRADE I	— / — / —	NOISE BARRIER		PROPOSED GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) REPEATER SITE WITH REMOTE RADIO HEAD (RRH) AND ANTENNA		AREA OF VEGETATION TO BE RETAINED DURING CONSTRUCTION	
PROPOSED FENCE GRADE II	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)		PROPOSED FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED		WOODLAND TO BE PLANTED DURING CONSTRUCTION	
PROPOSED FENCE GRADE III	— / — / —	LAND BOUNDARY		EXISTING FIXED TELECOMMUNICATION NETWORK (FTN) ACCESS NODE WITH GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS - RAILWAY (GSM-R) CO-LOCATED		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)	— / — / —						



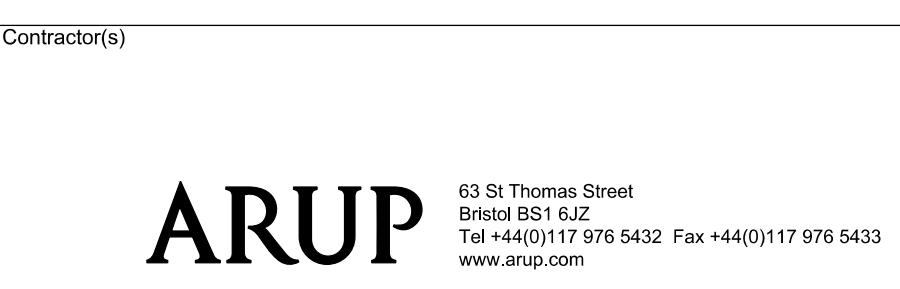
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A01	15/03/19	ISSUE FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
Rev.	Date	Description of Revisions	Drawn	Chkd	Appr.



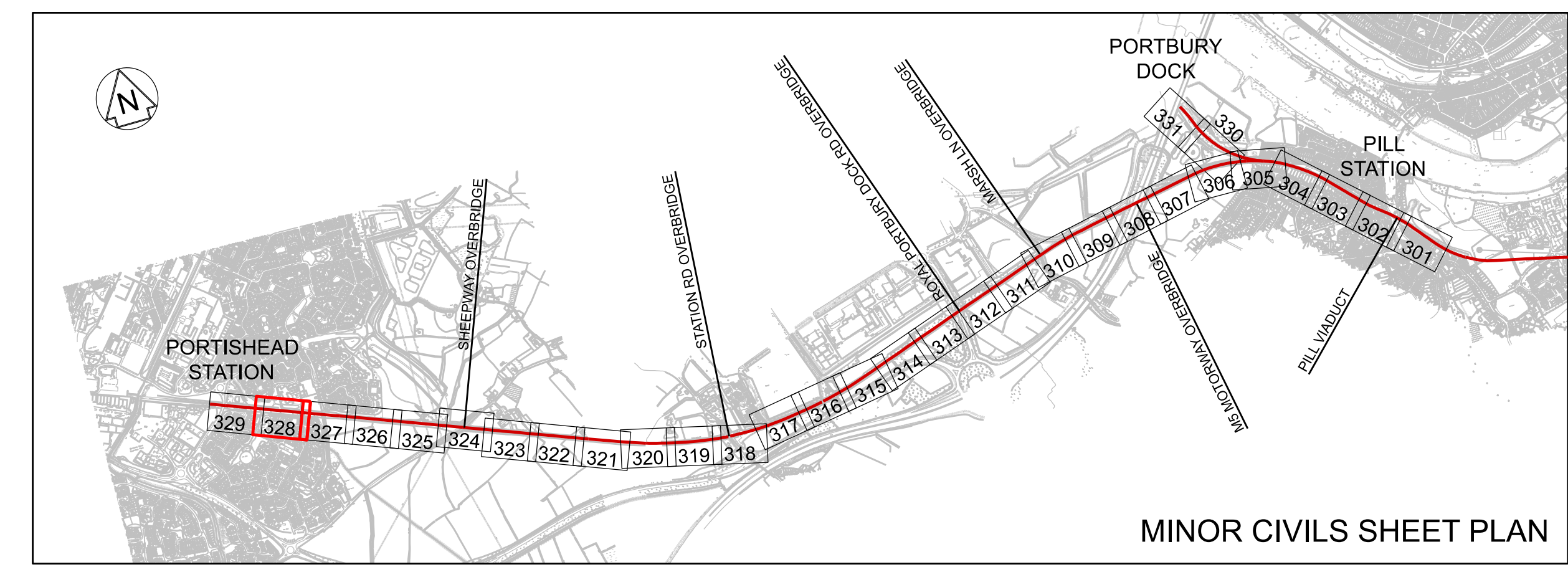
Project: METROWEST PHASE 1

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

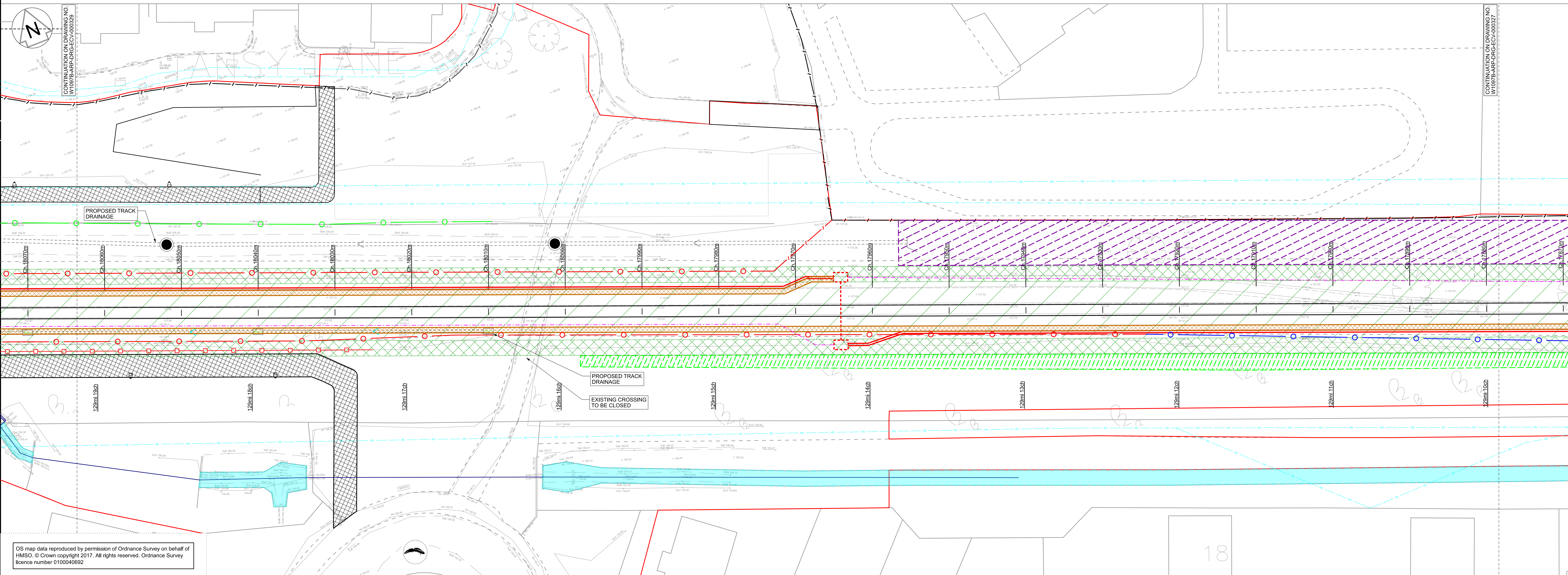
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Drawing Number: W1097B-ARP-DRG-ECV-000327 | A03
Sheet: 27 of 31
Revision

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 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	☒	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 III	— / — / —	DEVELOPMENT CONSENT ORDER (DCO)	☒			WOODLAND TO BE PLANTED DURING CONSTRUCTION	🌳
PROPOSED TROUING	— / — / —	LAND BOUNDARY	☒			GRASSLAND TO BE PLANTED DURING CONSTRUCTION	🌱
EXISTING 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)	— / — / —		☒				

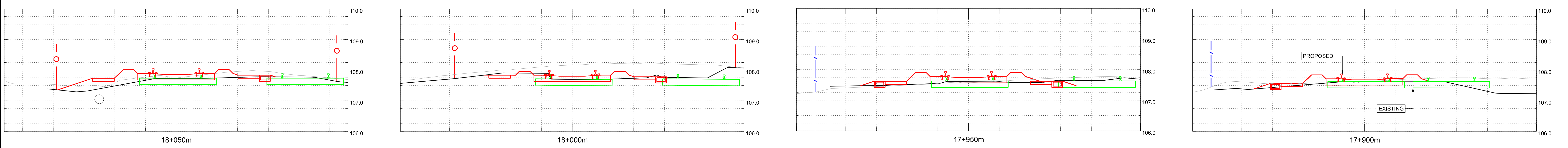
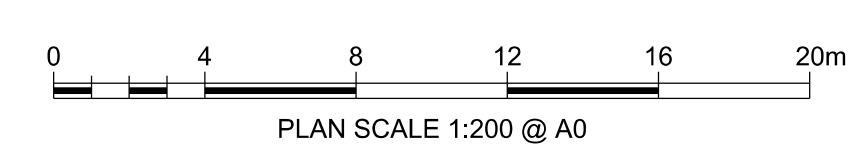


- Legend/Notes
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 - CROSS SECTIONS ARE BASED ON INFORMATION FROM TOPOGRAPHY, LIDAR AND SITE VISIT MEASUREMENTS. CROSS SECTIONS TO BE VERIFIED AT DETAILED DESIGN.
 - CROSS SECTIONS ARE TAKEN FACING INCREASING CHANGING.

NOTE: THIS DRAWING IS BASED ON THE ORIGINAL ARUP DRAWING: AMENDMENTS MADE BY NETWORK RAIL FOR 2021 DCO PLANNING APPLICATION.



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Rev	Date	Description of Revisions	Drawn	Chkd	Appr	Sub
A01	15/03/19	ISSUE FOR INFORMATION				RS
A02	03/05/19	FOR DCO PLANNING APPLICATION				RS
A03	24/07/19	FOR DCO PLANNING APPLICATION				RS
A04	10/09/21	NR AMENDMENTS FOR DCO PLANNING APPLICATION	RB	RB	RB	RB

Fit for Information
S2

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	☒	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 & WIRELESS	—		
REMOVED TROUING	—	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION	☒	VIRGIN MEDIA CABLE - BELOW GROUND	—		
EXISTING TROUING MODIFIED/REPLACED	—	EXTENT OF RAIL CORRIDOR TO BE CLEAR OF VEGETATION WITH NETWORK RAIL (NR) OPTION	☒	VERIZON BACKBONE DUCT - BELOW GROUND	—		
PROPOSED UNDER TRACK CROSSING (UTX)	—	EXTENT OF RAIL CORRIDOR 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

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

Designed		Signed		Date	
Drawn	R. Raj	Signed		Date	10/09/21
Checked	R. Buckley	Signed		Date	10/09/21
Approved	R. Buckley	Signed		Date	10/09/21

Scales: 1:200
POD 129M 10CH

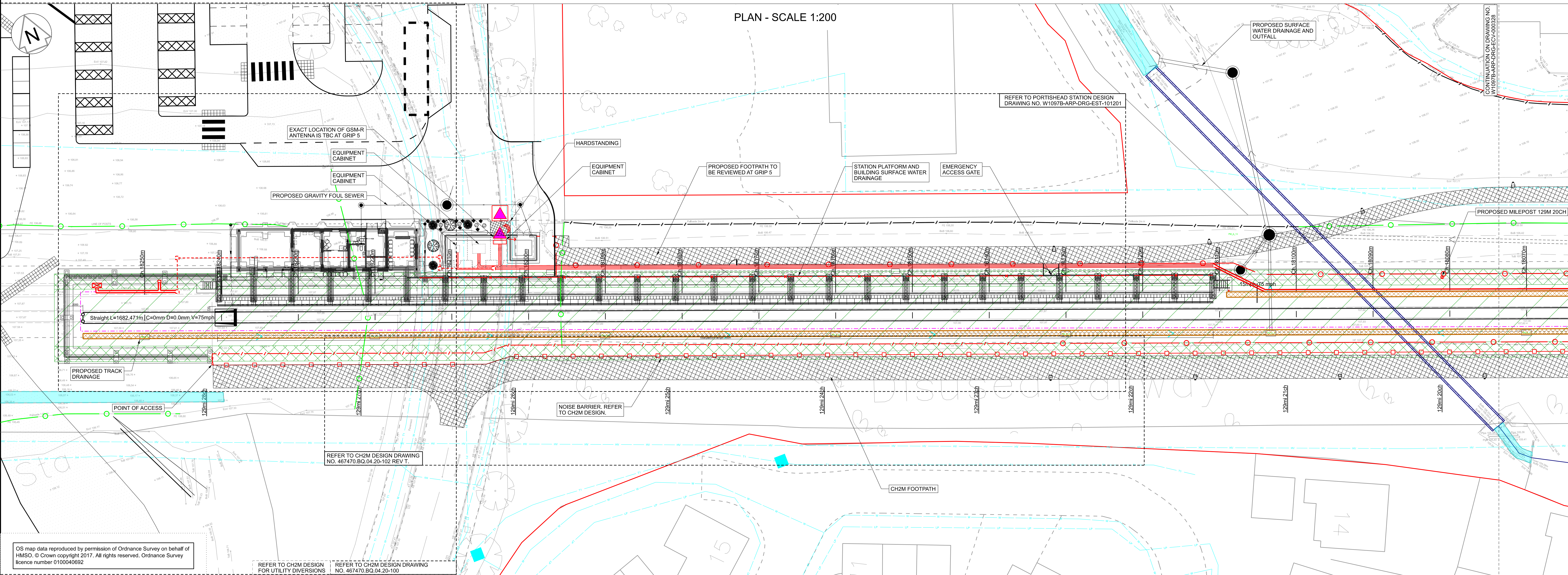
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Drawing Number Revision

W1097B-ARP-DRG-ECV-000328 A04



- Legend/Notes
- ALL LEVELS AND DIMENSIONS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
 - DO NOT SCALE FROM THIS DRAWING. ONLY FIGURED DIMENSIONS AND LEVELS TO BE USED.
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 - CROSS SECTIONS ARE TAKEN FACING INCREASING CHAINAGE.

NOTE: THIS DRAWING IS BASED ON THE ORIGINAL ARP DRAWING. AMENDMENTS MADE BY NETWORK RAIL FOR 2021 DCO PLANNING APPLICATION.

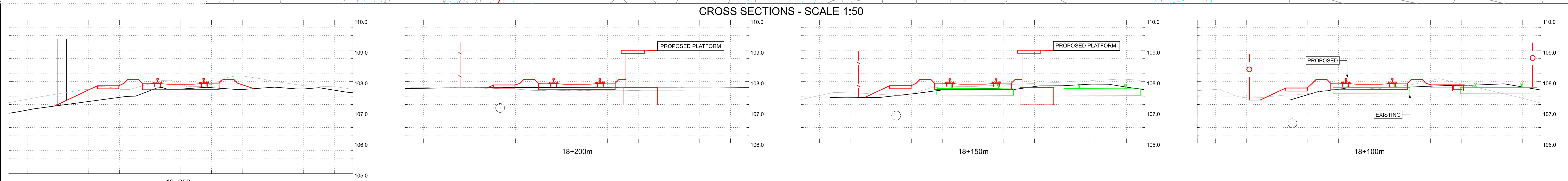


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REFER TO CH2M DESIGN FOR UTILITY DIVERSIONS NO. 467470.BO.04.20-102

REFER TO CH2M DESIGN DRAWING NO. 467470.BO.04.20-102 REV. T.

0 4 8 12 16 20m
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
A04	10/09/21	NR AMENDMENTS FOR DCO PLANNING APPLICATION	RB	RS	RB
Rev	Date	Description of Revisions	Drawn	Chkd	Appr

FIT FOR INFORMATION S2



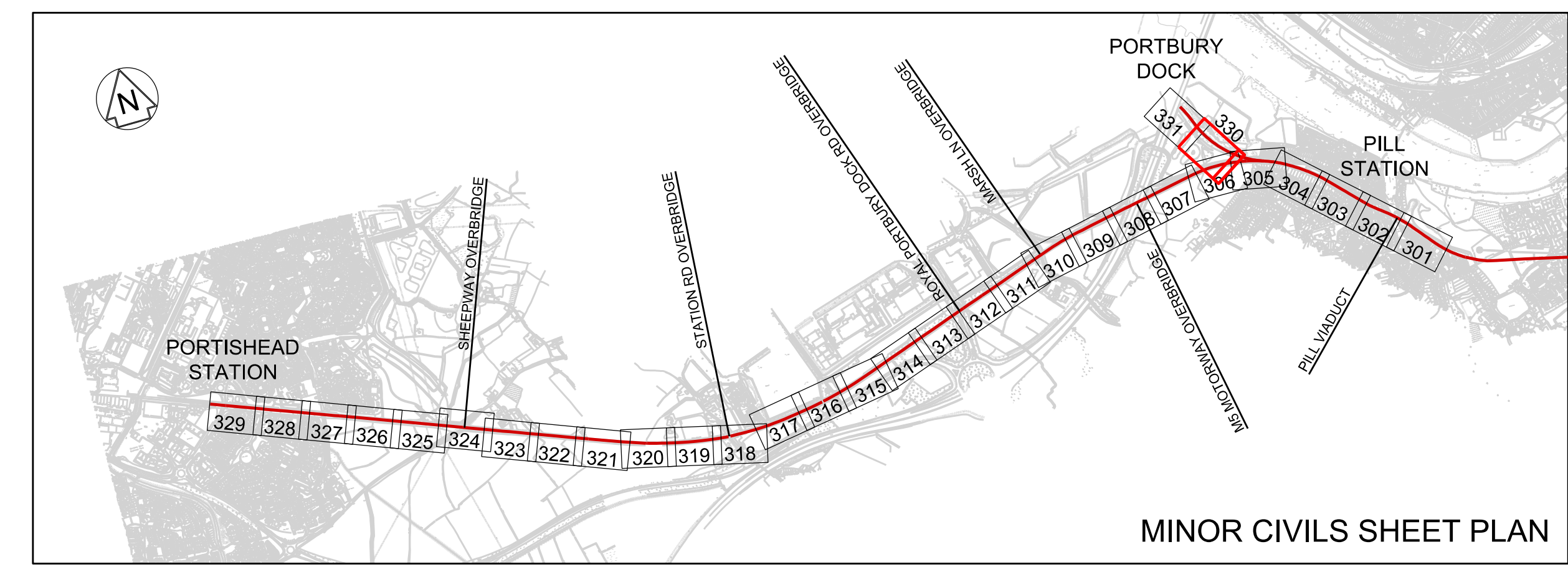
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)	□	WATER MAIN	—	WATER VOLES	☺
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)	□	FOUL SEWER	—	BATS	☺
EXISTING FENCE GRADE III	— / — / —	PROPOSED CABINET TO BE REMOVED/RELOCATED	□	RISING MAIN	—	DORMICE	☺
EXISTING FENCE REMOVED	— / — / —	EXISTING 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	—		

Project: METROWEST PHASE 1

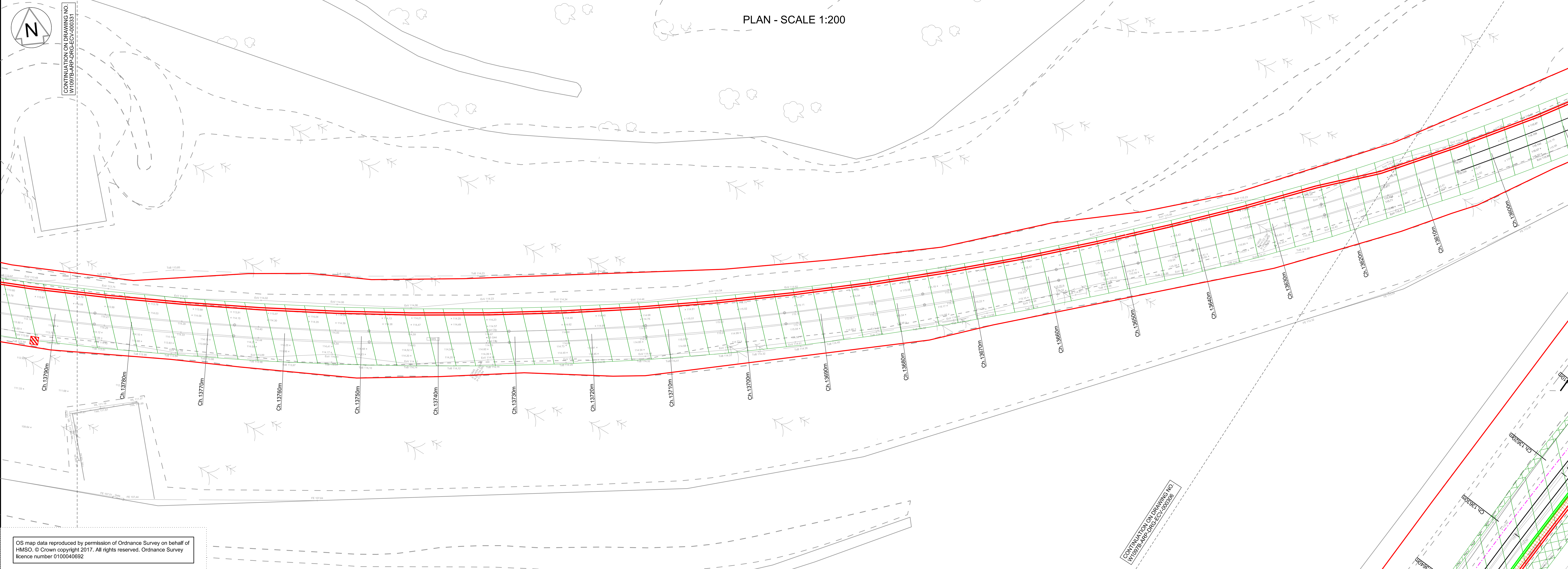
Drawing Title: DISUSED RAILWAY ENGINEERING PLANS
GRIP 4 MINOR CIVILS
CH.18070M TO CH.18250M

Designed	Checked	Approved	Scales	1:200	Pod	129M 20CH
R. Raj	R. Buckley	R. Buckley	Sheet	29	of	31
Date	Date	Date	Revision			
10/09/21	10/09/21	10/09/21				

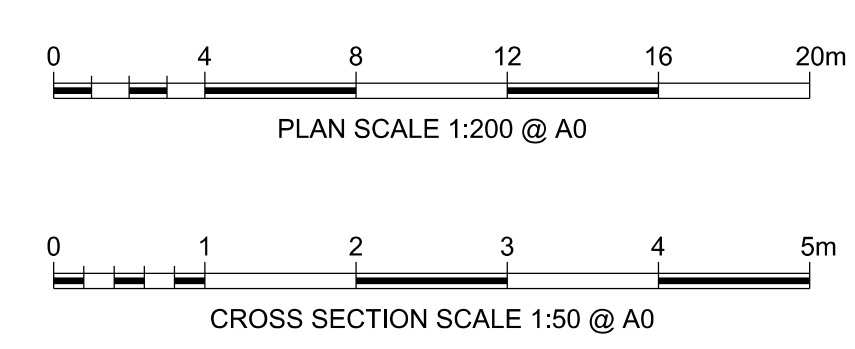
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W1097B-ARP-DRG-ECV-000329 | A04



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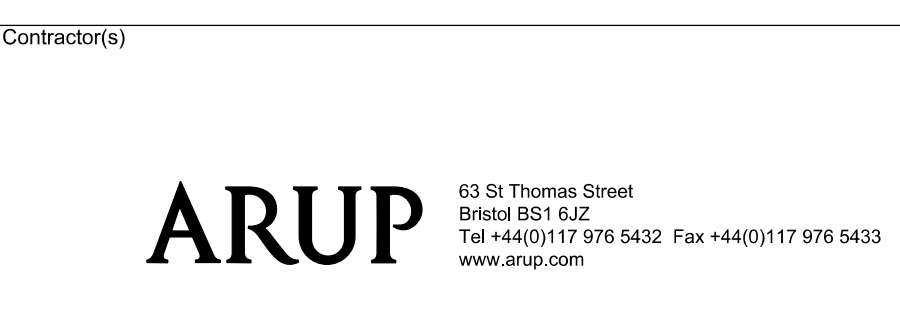


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Rev	Date	Description of Revisions	Drawn	Chkd	Appr
A01	15/03/19	ISSUED FOR INFORMATION	JB	RS	RS
A02	03/05/19	FOR DCO PLANNING APPLICATION	JB	RS	RS
A03	24/07/19	FOR DCO PLANNING APPLICATION	JB	RS	RS

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



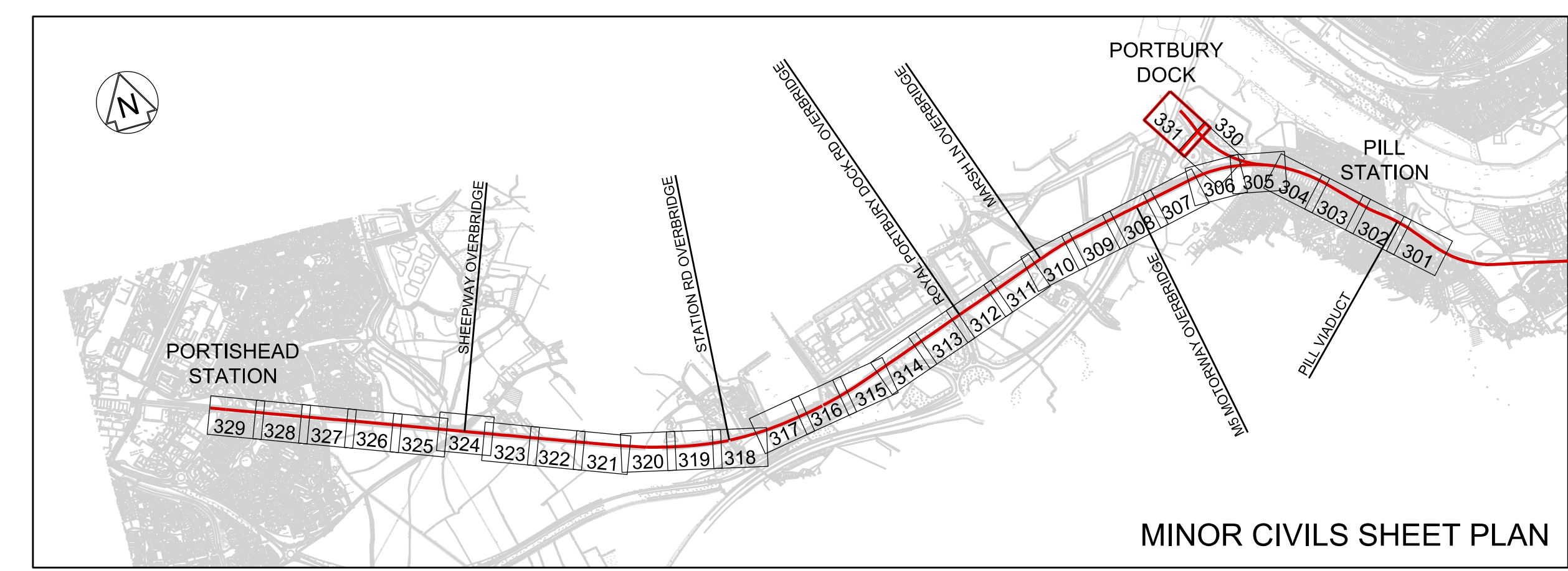
Project: **METROWEST PHASE 1**

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
 Revision

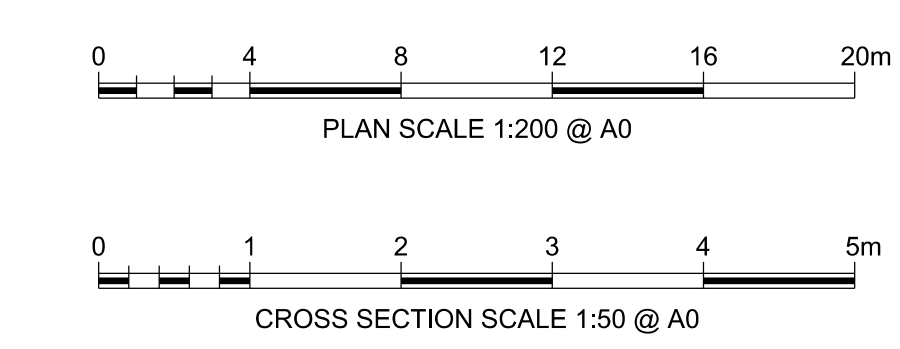
MINOR CIVILS		EXISTING UTILITIES		TELECOM LEGEND		SPECIES, ECOLOGY, LANDSCAPE	
EXISTING FENCE GRADE I	— / — / —	PROPOSED CABINET LOCATION (NOT TO SCALE)		WATER MAIN		INDICATIVE LOCATION OF SCRATCH BURIED PROPOSED ARMOURED FIBRE CABLE	
EXISTING FENCE GRADE II	— / — / —	PROPOSED SIGNAL (NOT TO SCALE)		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			
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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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

Sheet: **FIT FOR INFORMATION** Suitability: **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		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)	— / — / —						