



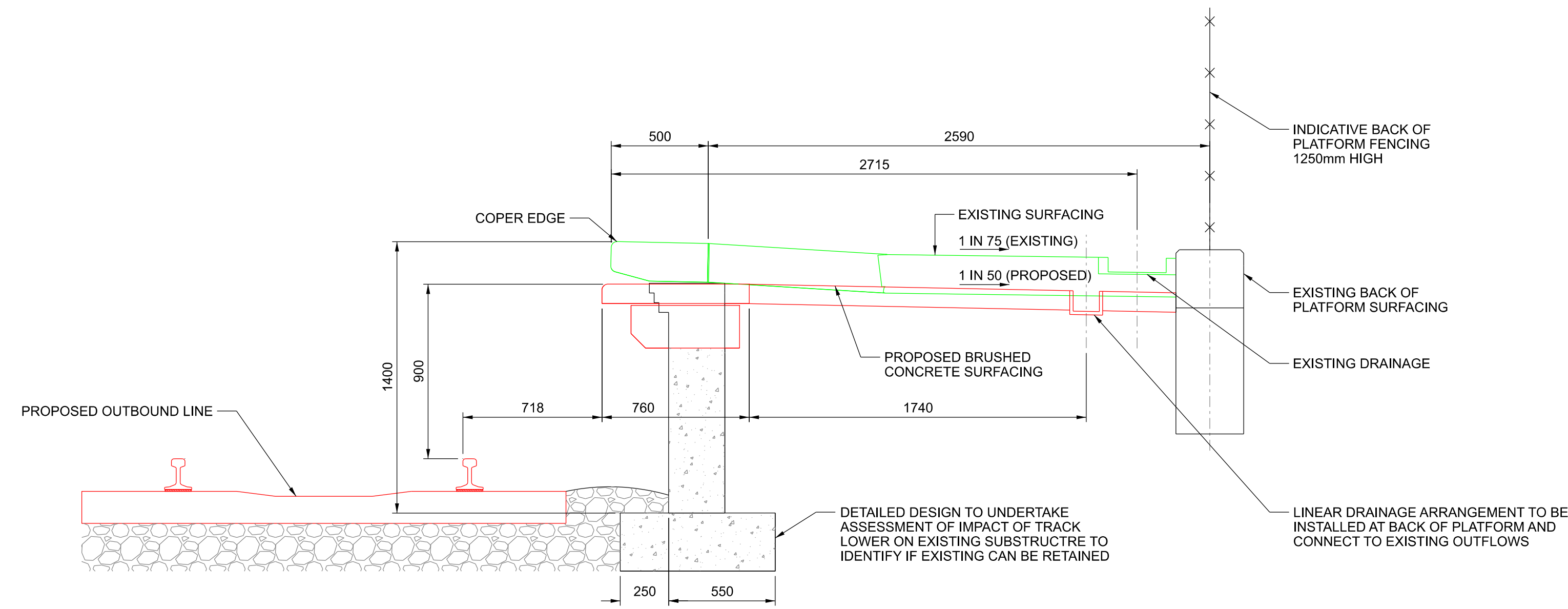
HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
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M!	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
V!	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
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NOTES:

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 10033113-ARC-00-XX-DR-CE-50003
 10033113-ARC-00-XX-DR-CE-50004
 10033113-ARC-00-XX-DR-CE-50005
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 10033113-ARC-00-XX-DR-CE-60001
 10033113-ARC-00-XX-DR-CE-60002
 10033113-ARC-00-XX-DR-CE-60003
 10033113-ARC-00-XX-DR-CE-60004

LEGEND:

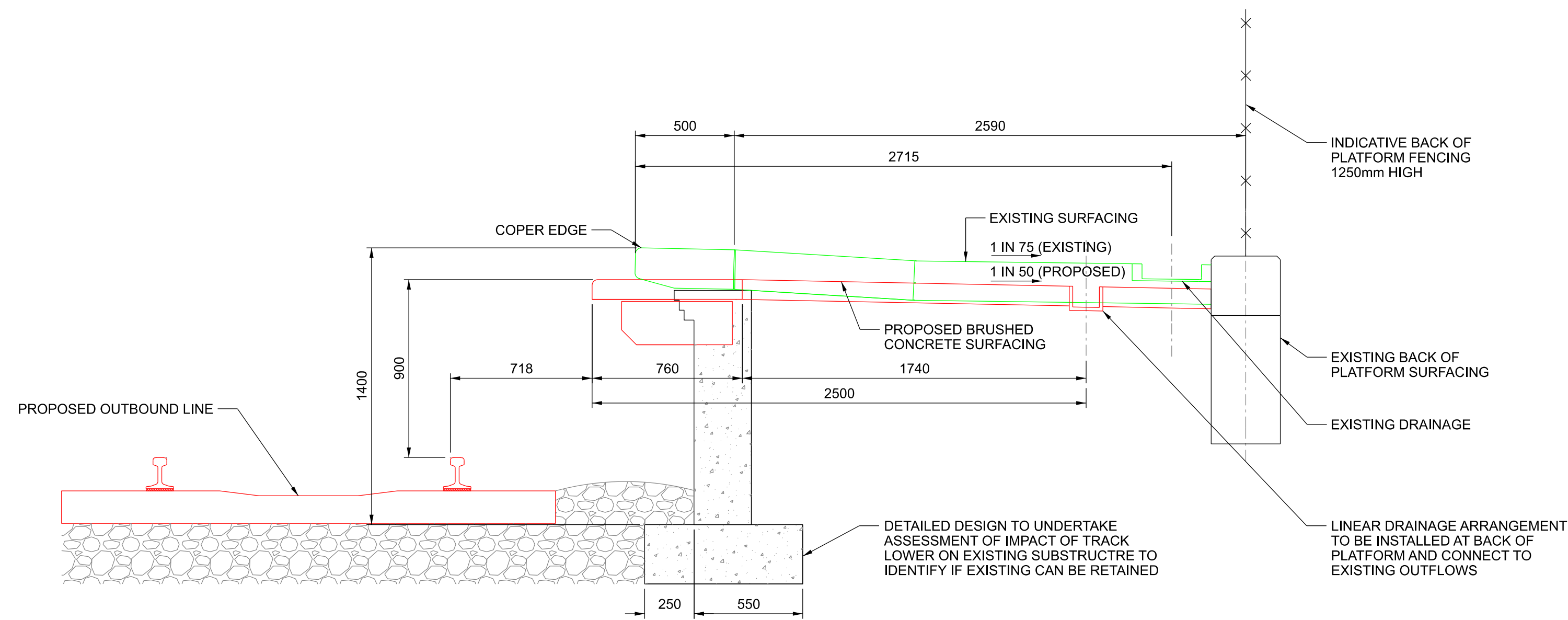
	- EXISTING
	- MODIFIED EXISTING
	- DEMOLISHED / REMOVED EXISTING
	- PROPOSED



PLATFORM 2 TYPICAL SECTION DETAILS

1:20

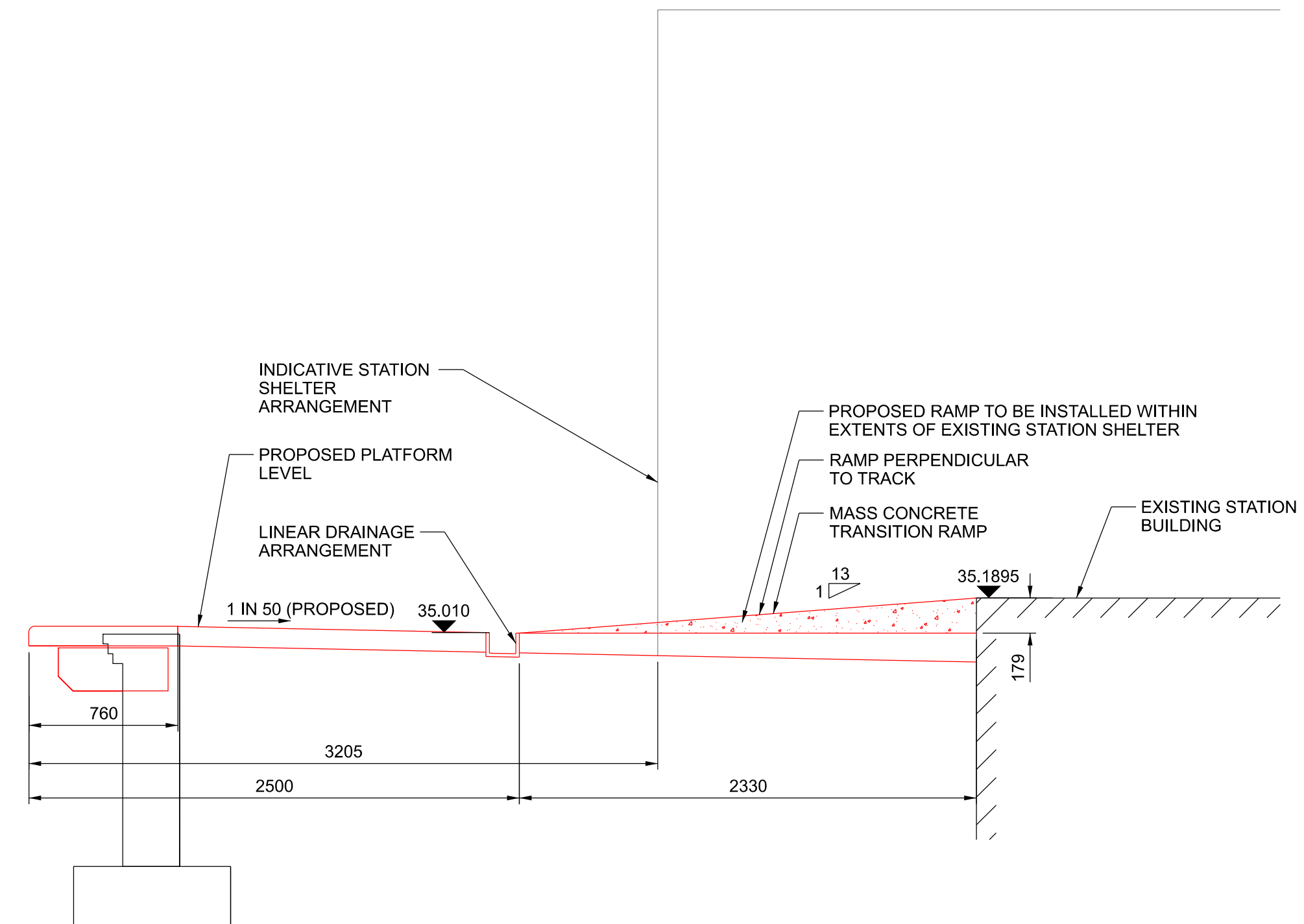
AT CHAINAGE 13441



PLATFORM 2 TYPICAL SECTION DETAILS

1:20

AT CHAINAGE 13478



SECTION B - PLATFORM 2 TRANSITION RAMP

1:25

Client **NEXUS**

PROJECT:
Nexus Metro Flow



Site
Pelaw to Jarrow

Client
Nexus Rail Headquarters
Gosforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747

www.nexus.org.uk



Registered office:
Arcadis House
34 York Way
London N1 9AB

Coordinating office:
1st Floor, Artemis House
Eboracum Way
York YO31 7RE
Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE:
HEBBURN STATION
PLATFORM 2
PROPOSED ARRANGEMENT
SECTIONS

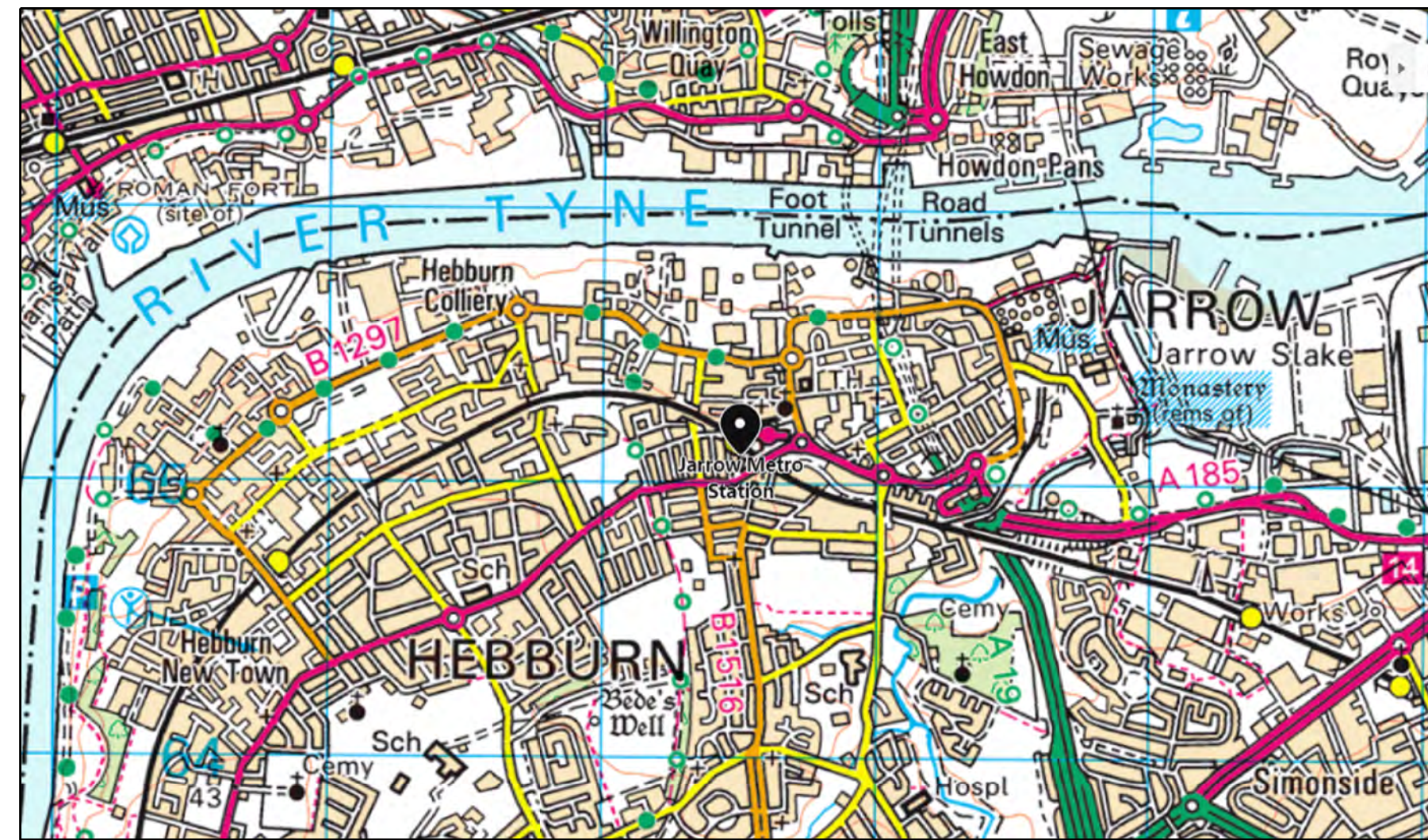
Designed	G. Gilbert	Signed	16/01/20
Drawn	D.Little	Signed	16/01/20
Checked	A.Kitching	Signed	16/01/20
Approved	C.Doyle	Signed	16/01/20
Scale:	1:20	Datum:	---
Original Size:	A1	Grid:	---
ELR:	N/A	Mileage:	N/A
Suitability Code:	S3	Project Number:	10033113

Suitability Description:
Fit for Review and Comment

Drawing Number:	10033113-ARC-00-XX-DR-CE-50006	Revision:	A01
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JARROW STATION PLATFORM 1 AND 2
NTS



LOCATION MAP
NTS



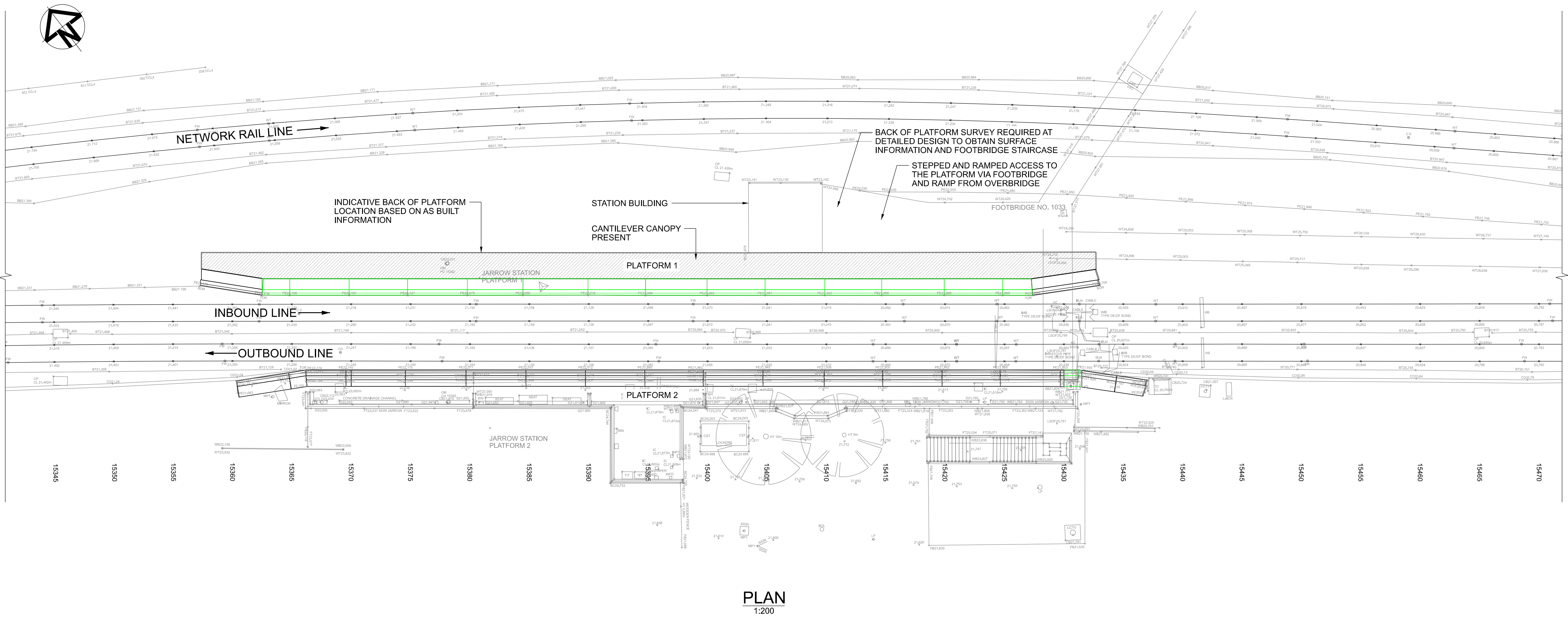
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 10033113-ARC-00-XX-DR-CE-50006
 10033113-ARC-00-XX-DR-CE-60001
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 10033113-ARC-00-XX-DR-CE-60003
 10033113-ARC-00-XX-DR-CE-60004

LEGEND:

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Rev	Date	Description	Drawn	Check	Approv
A01	18/01/20	First Issue		DL	AK CD

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PROJECT:
Nexus Metro Flow



Site Pelaw to Jarrow

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www.arcadis.com

TITLE:
JARROW STATION
PLATFORM 1 AND 2
EXISTING ARRANGEMENT

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Drawn	D.Little	Signed	DM	16/01/20
Checked	A.Kitching	Signed	DM	16/01/20
Approved	C.Doyle	Signed	DM	16/01/20
Scale:	AS SHOWN	Datum:	---	
Original Size:	A1	Grid:	---	
ELR:	N/A	Mileage:	N/A	
Suitability Code:	S3	Project Number:	10033113	

Suitability Description:
Fit for Review and Comment

Drawing Number: 10033113-ARC-00-XX-DR-CE-60001	Revision: A01
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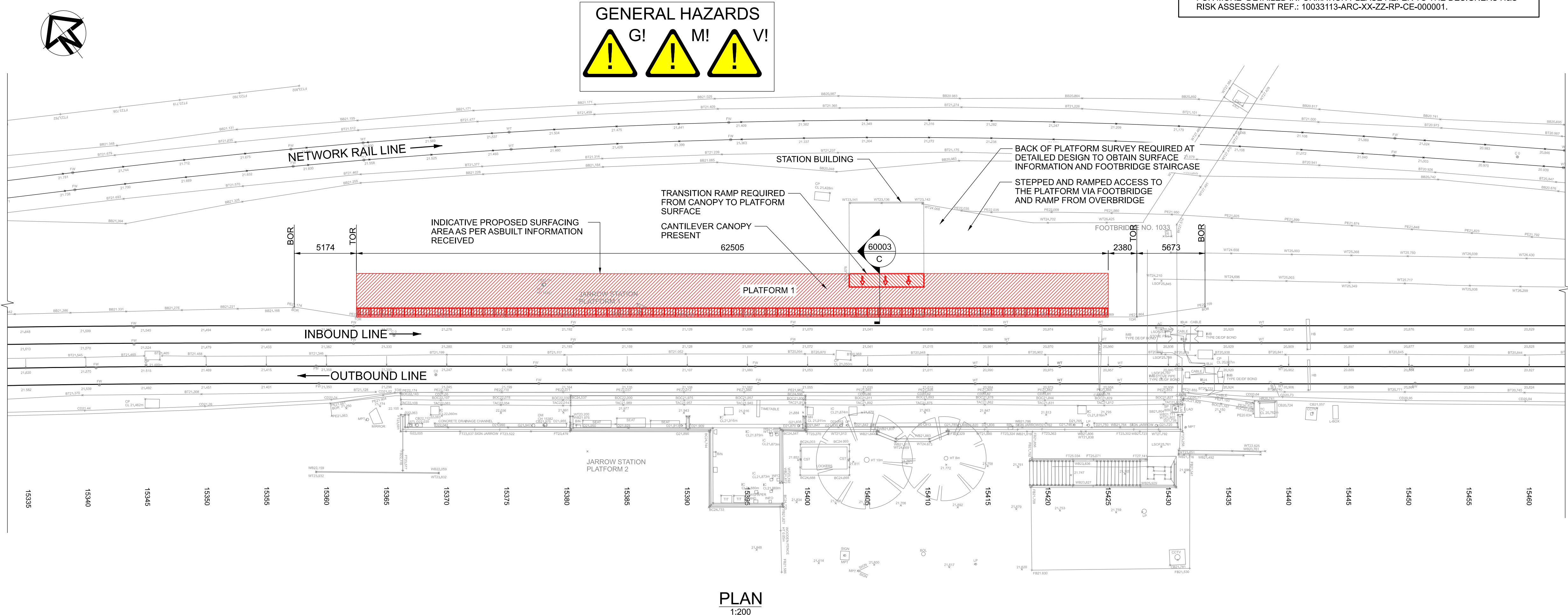
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10033113-ARC-00-XX-DR-CE-60003
10033113-ARC-00-XX-DR-CE-60004

LEGEND:

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	- DEMOLISHED / REMOVED EXISTING
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GENERAL HAZARDS

G! M! V!



Remarks	Existing Arrangement Gauging Data										Existing Arrangement Topo Data				Proposed Track Alterations		Proposed Coper Works				Final Offsets				Proposed Surfacing Works										
	Chainage	Lateral Dim 'X' (mm)	Height Dim 'Y' (mm)	Coper Overhang Dim 'Z1' (mm)	Platform Wall Dim 'Z2' (mm)	Coping Depth (mm)	Survey Cant (mm)	Low Rail (mm)	Versine (mm)	Radius (m)	Curve Hand Back to Low (mm)	Platform m	Platform Width - Coper to back of platform (m)	Back of Coper Level (m)	Back of Platform Level (m)	Platform Crossfall	Slue	Lift	Ideal Coper Setback (mm)	Ideal Coper Lift (mm)	Value Engineered Coper Setback (mm)	Value Engineered Coper Lift (mm)	Required Coper Works	Lateral Dim 'X' (mm)	Height Dim 'Y' (mm)	Coper Overhang Dim 'Z1' (mm)	Platform Wall Dim 'Z2' (mm)	Recess	Crossfall	Required Surfacing Works	Crossfall	Proposed Back of Platform Level (m)	Remarks		
BOR	15358																	46	-97																BOR
MOR	15360	1179	300	68	1402	100	-3.4	R	3.51	2792	R	223	SRW				39	-100						1138	409	68	1402	53	-144.20	Resurface Platform to Compliant Fall	50	22.092	TOR X2=783 Y2=677	MOR	
TOR X2=783 Y2=677	15363	758	855	98	776	100	-1.25	R	0.58	21370	R	18	SRW	3.09	22.216	22.1748	75.00	24	-102	-12	-63	-63	Coper to be Modified	723	900	98	776	9	-116.81	Resurface Platform to Compliant Fall	50	22.069	X2=773 Y2=690		
X2=773 Y2=690	15365	753	862	89	733	100	0.9	L	0.32	39174	R	-20	SRW	3.09	22.198	22.1568	75.00	24	-101	-12	-68	-68	Coper to be Modified	724	900	89	733	9	-116.81	Resurface Platform to Compliant Fall	50	22.074	X2=777 Y2=716		
X2=777 Y2=716	15370	738	892	145	859	100	1.7	L	0.29	42890	R	121	SRW	3.09	22.167	22.1258	75.00	14	-96	-7	-91	-91	Coper to be Modified	721	900	145	859	138	-62.27	Resurface Platform to Compliant Fall	50	22.014	X2=770 Y2=704		
X2=800 Y2=711	15375	740	892	120	872	100	0.8	L	1.91	6558	R	132	SRW	3.09	22.127	22.0858	75.00	8	-96	-15	-80	-80	Coper to be Modified	730	900	120	872	142	-80.48	Resurface Platform to Compliant Fall	50	21.986	X2=800 Y2=711		
X2=795 Y2=715	15380	735	890	140	859	100	0.8	L	0.62	20281	R	124	SRW	3.09	22.079	22.0378	75.00	3	-74	-15	-67	-67	Coper to be Modified	728	900	140	859	131	-117.61	Resurface Platform to Compliant Fall	50	21.950	X2=795 Y2=715		
X2=770 Y2=703	15385	738	895	50	853	100	1.3	L	2.30	-5436	L	115	SRW	3.09	22.005	22.0088	75.00	0	-64	-21	-56	-56	Coper to be Modified	741	900	50	853	112	-205.77	Resurface Platform to Compliant Fall	50	21.932	X2=770 Y2=703		
X2=790 Y2=704	15390	732	890	120	861	100	-0.4	R	2.40	5200	R	129	SRW	3.09	22.016	21.9748	75.00	0	-56	-15	-47	-47	Coper to be Modified	731	900	120	861	130	-555.29	Resurface Platform to Compliant Fall	50	21.907	X2=790 Y2=704		
X2=783 Y2=701	15395	728	888	124	859	100	-1.3	R	1.10	11318	R	131	SRW	3.09	21.894	21.8528	75.00	-3	-48	-14	-37	-37	Coper to be Modified	730	900	124	859	129	729.31	Resurface Platform to Compliant Fall	50	21.795	X2=783 Y2=701		
X2=780 Y2=706	15400	725	900	127	865	100	1.4	L	0.23	53248	R	140	SRW	3.09	21.963	21.9218	75.00	-5	-38	-13	-37	-37	Coper to be Modified	731	900	127	865	134	822.68	Resurface Platform to Compliant Fall	50	21.864	X2=780 Y2=706		
X2=770 Y2=713	15405	725	916	118	848	100	-0.2	R	2.55	-4903	L	123	SRW	3.09	21.951	21.9098	75.00	-3	-30	-11	-44	-44	Coper to be Modified	730	900	118	848	118	-1003.36	Resurface Platform to Compliant Fall	50	21.845	X2=770 Y2=713		
X2=769 Y2=733	15410	724	911	150	844	100	-0.5	R	3.49	3578	R	120	SRW	3.09	21.922	21.8808	75.00	-1	-22	-8	-29	-29	Coper to be Modified	731	900	150	844	113	244.13	Resurface Platform to Compliant Fall	50	21.832	X2=769 Y2=733		
X2=787 Y2=725	15420	735	911	135	875	100	-3.8	R	1.17	-10656	L	140	SRW	3.09	21.906	21.8648	75.00	1	-11	-17	-22	-22		737	919	135	875	138	75.00		75	21.865	X2=787 Y2=725		
X2=797 Y2=727	15425	726	910	150	865	100	-2.6	R	1.02	-12249	L	139	SRW	3.09	21.888	21.8468	75.00	4	-10	-5	-20	-20		725	917	150	865	140	75.00		75	21.839	X2=797 Y2=727		
TOR X2=758 Y2=723	15428	723	917	155	887	100	-3.15	R	2.93	-4269	L	164	SRW	3.09	21.869	21.8278	75.00	4	-11	-2	-28	-28	Coper to be Modified	719	900	155	887	168	234.09	Resurface Platform to Compliant Fall	50	21.779	TOR X2=758 Y2=723		
MOR X2=1006 Y2=285	15430	1075	441	160	1062	100	-3.7	R	3.37	3711	R	-13	SRW					3	-15	-355	444		1073	454	160	1062	-11						MOR X2=1006 Y2=285		
BOR	15434																	1	-18															BOR	

TITLE:
**JARROW STATION
PLATFORM 1
PROPOSED ARRANGEMENT
PLAN & MODIFICATION TABLE**

Designed	G. Gilbert	Signed	16/01/20
Drawn	D.Little	Signed	16/01/20
Checked	A.Kitching	Signed	16/01/20
Approved	C.Doyle	Signed	16/01/20

Scale: 1:200 Datum: ---
Original Size: A1 Grid: ---
ELR: N/A Mileage: N/A

Suitability Code: S3 Project Number: 10033113
Suitability Description: Fit for Review and Comment

Drawing Number: 10033113-ARC-00-XX-DR-CE-60002
Revision: A01

ARCADIS Design & Consultancy for natural and built assets

Registered office: Arcadis House, London N1 9AB
Coordinating office: 1st Floor, Artemis House, Eboracum Way, York Y031 7RE, Tel: +44 (0)1904 380 750

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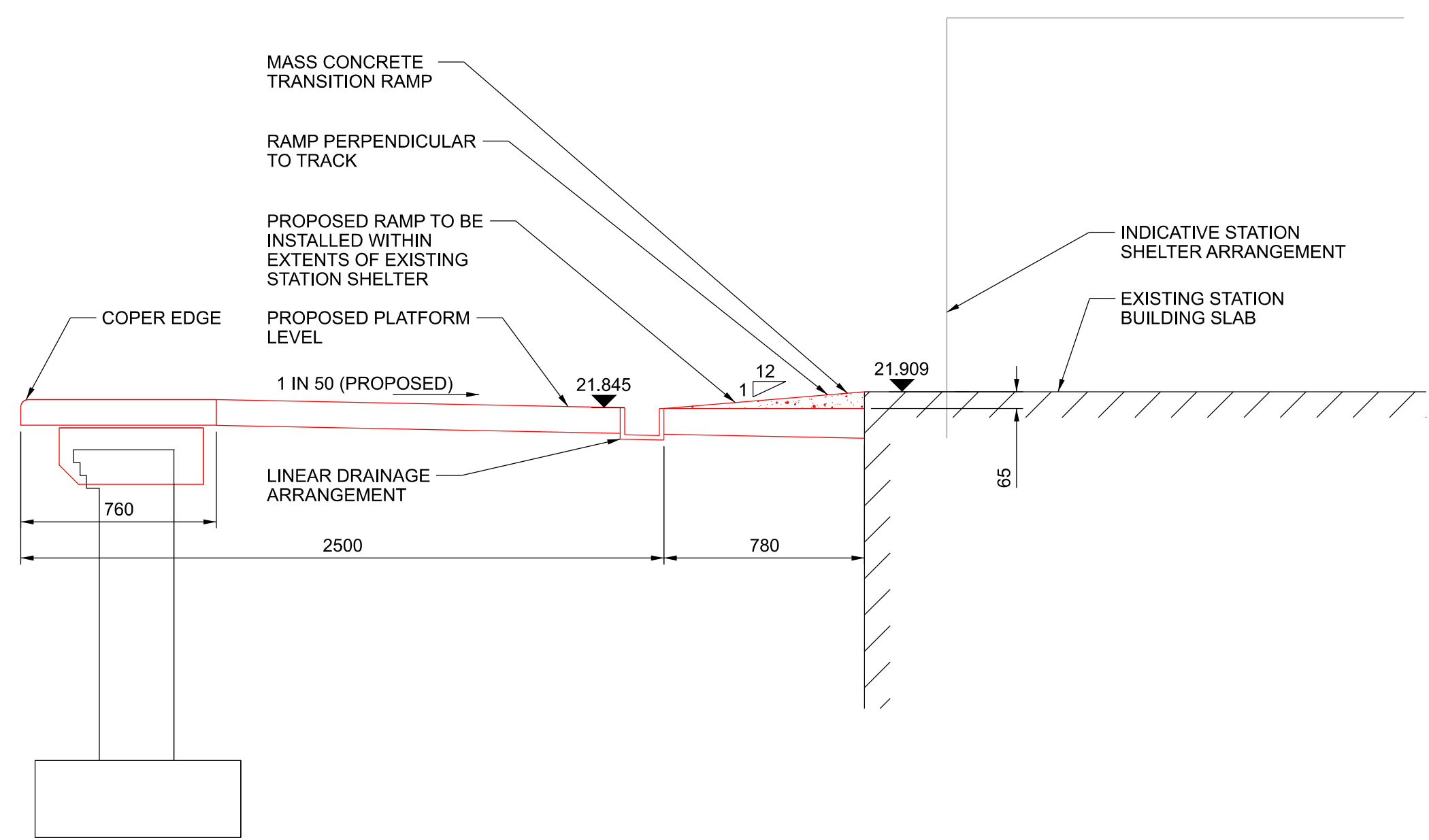
Client NEXUS

PROJECT: Nexus Metro Flow

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Rev	Date	Description	DL	AK	CD
A01	18/01/20	First Issue			



SECTION C - PLATFORM 1 TRANSITION RAMP
1:20

GENERAL HAZARDS

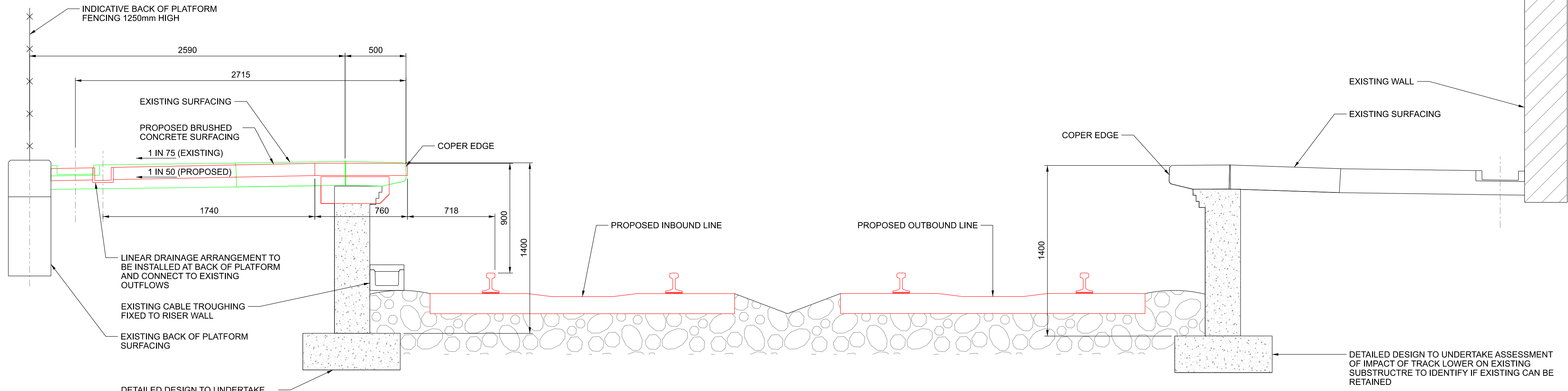
G! M! V!

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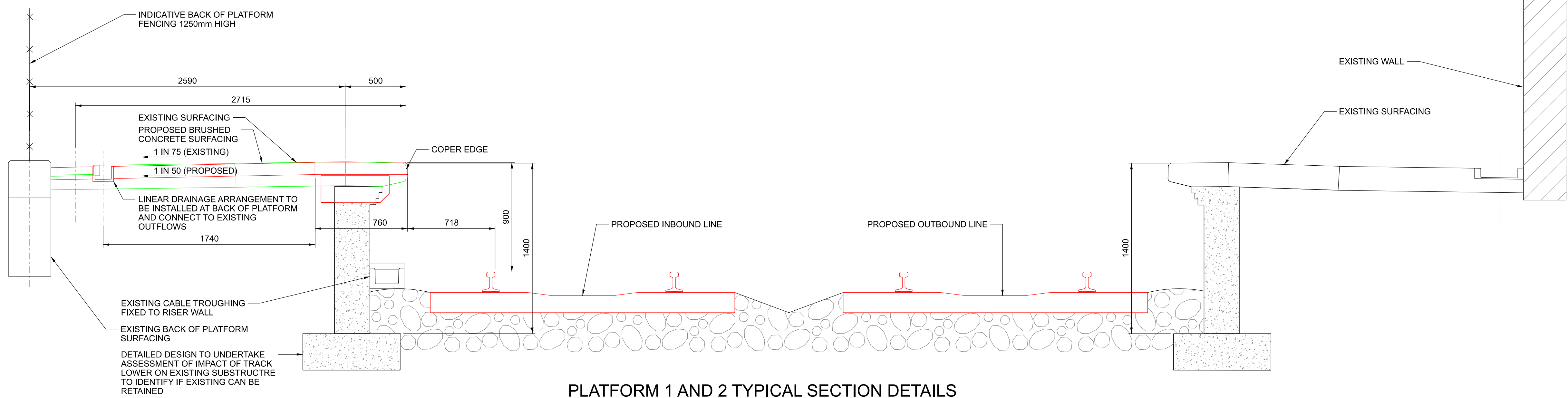
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LEGEND:

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PLATFORM 1 AND 2 TYPICAL SECTION DETAILS
1:20
AT CHAINAGE 15367



PLATFORM 1 AND 2 TYPICAL SECTION DETAILS
1:20
AT CHAINAGE 15421

Rev	Date	Description	Drawn	Check	Approv
A01	16/01/20	First Issue		DL	AK CD

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PROJECT:
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Site Pelaw to Jarrow

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TITLE:
JARROW STATION
PLATFORM 1
PROPOSED ARRANGEMENT
SECTIONS

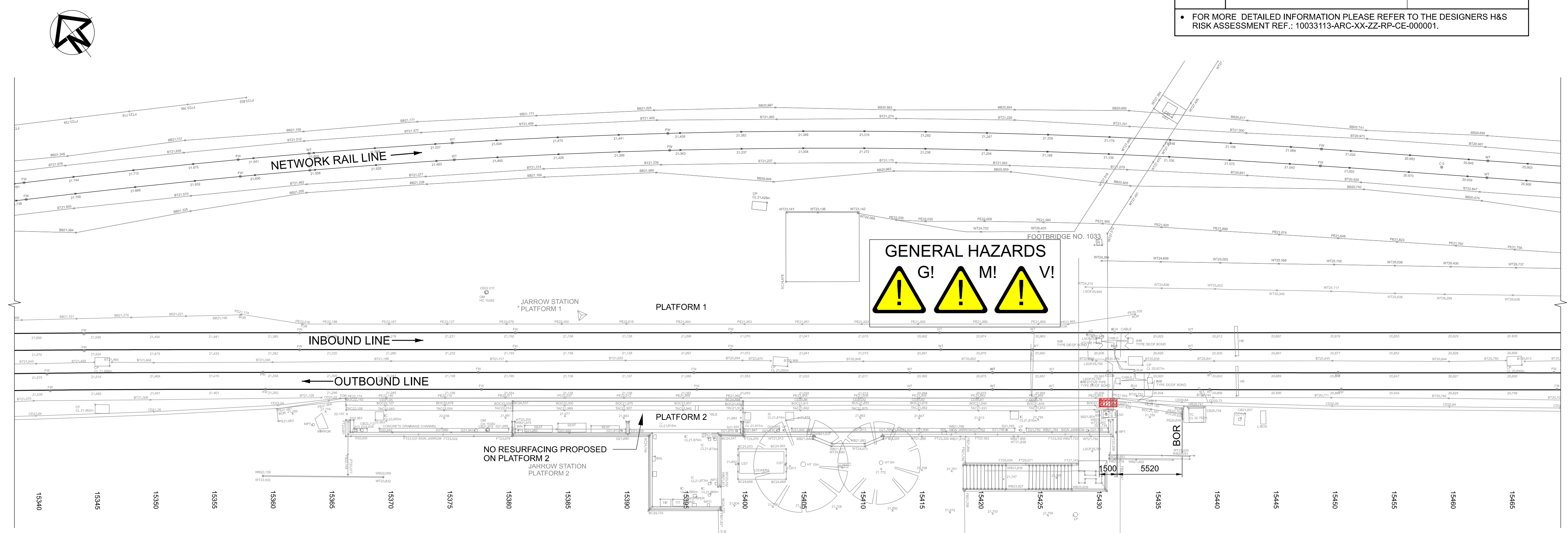
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Suitability Code:	S3	Project Number:	10033113		
Suitability Description: Fit for Review and Comment					
Drawing Number:	10033113-ARC-00-XX-DR-CE-60003				Revision:
					A01

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 - REFER TO ASSOCIATED DRAWINGS FOR FURTHER DETAILS
- 10033113-ARC-00-XX-DR-CE-50001
 10033113-ARC-00-XX-DR-CE-50002
 10033113-ARC-00-XX-DR-CE-50003
 10033113-ARC-00-XX-DR-CE-50004
 10033113-ARC-00-XX-DR-CE-50005
 10033113-ARC-00-XX-DR-CE-50006
 10033113-ARC-00-XX-DR-CE-60001
 10033113-ARC-00-XX-DR-CE-60002
 10033113-ARC-00-XX-DR-CE-60003
 10033113-ARC-00-XX-DR-CE-60004

LEGEND:

	- EXISTING
	- MODIFIED EXISTING
	- DEMOLISHED / REMOVED EXISTING
	- PROPOSED



PLAN
1:200

Existing Arrangement														Proposed Arrangement																											
Existing Arrangement Gauging Data										Existing Arrangement Topo Data				Proposed Track Alterations		Proposed Coper Works				Final Offsets				Proposed Surfacing Works																	
Remarks	Chainage	Lateral Dim 'X' (mm)	Height Dim 'Y' (mm)	Coper Overhang Dim 'Z1' (mm)	Platform Wall Dim 'Z2' (mm)	Coping Depth (mm)	Survey Cant (mm)	Low Rail (mm)	Versine (mm)	Radius (m)	Curve Hand	Back to Low (mm)	Recess (mm)	Platform m	Platform Width - Constr Coper back of platform (m)	Back of Coper Level (m)	Back of Platform Level (m)	Platform Crossfall	Slope	Lift	Ideal Coper Setback (+ve = Setback -ve = toward track (mm))	Value Engineered Coper Lift (+ve = Lift -ve = Lower (mm))	Value Engineered Coper Setback (+ve = Setback -ve = toward track (mm))	Value Engineered Coper Lift (+ve = Lift -ve = Lower (mm))	Required Coper Works	Lateral Dim 'X' (mm)	Height Dim 'Y' (mm)	Coper Overhang Dim 'Z1' (mm)	Platform Wall Dim 'Z2' (mm)	Recess (mm)	Crossfall	Required Surfacing Works	Crossfall	Proposed Back of Platform Level (m)	Remarks						
BOR	15360.6	1665	-247	N/A	N/A	100	-14.392	R	5.31	2353	R															1654	-268											BOR			
MOR	15365	984	621	165	1219	100	-11.4	R	2.58	4840	R			235	BRW											980	606	165	1219											MOR	
TOR	15366.4	744	902	210	1053	100	-10.7	R	6.86	1823	R			309	BRW	3.245	22.174	22.035	23.35								742	889	210	1053	311	23.35			23	22.035				TOR	
0	15370	739	910	196	1049	100	-8.9	R	2.11	-5937	L			310	BRW	3.0872	22.14	22.042	31.50								738	893	196	1049	311	31.50			32	22.042				0	
0	15375	733	920	198	1044	100	-5.5	R	2.37	5278	R			311	BRW	3.1104	22.11	21.99	25.92								733	901	198	1044	311	25.92			26	21.990				0	
0	15380	722	924	207	1036	100	-3.1	R	1.53	-8194	L			314	BRW	3.1056	22.071	21.995	40.86								725	908	207	1036	311	40.86			41	21.995				0	
0	15385	722	922	210	1041	100	-6.8	R	0.85	-14676	L			319	BRW	3.093	22.037	21.925	27.62								729	909	210	1041	312	27.62			28	21.925				0	
0	15390	719	920	225	1039	100	5.4	L	0.25	50657	R			320	BRW	3.0875	22.012	21.909	29.98								720	914	225	1039	319	29.98			30	21.909				0	
0	15395	719	919	216	1036	100	-1.5	R	2.87	4354	R			317	BRW	3.1056	21.986	21.879	29.02								723	905	216	1036	313	29.02			29	21.879				0	
0	15400	714	919	200	1024	100	-1.9	R	3.17	-3941	L			310	BRW	3.058	21.962	21.87	33.24								719	898	200	1024	305	33.24			33	21.870				0	
0	15405	713	922	190	1019	100	1.1	L	0.79	-15842	L			306	BRW	3.112	21.945	21.842	30.21								716	905	190	1019	303	30.21			30	21.842				0	
0	15410	711	920	186	1018	100	3.4	L	2.86	-4365	L			307	BRW	3.886	21.926	21.813	34.39								711	902	186	1018	307	34.39			34	21.813				0	
0	15415	706	924	188	1011	100	8.8	L	5.07	2465	R			305	BRW	3.274	21.905	21.806	33.07								696	908	188	1011	315	33.07			33	21.806				0	
0	15420	713	920	190	1017	100	5.3	L	0.27	-46094	L			304	BRW	3.074	21.882	21.762	25.62								707	908	190	1017	310	25.62			26	21.762				0	
0	15425	710	923	200	1015	100	5.4	L	4.52	-2767	L			305	BRW	3.1003	21.868	21.75	26.27								702	913	200	1015	313	26.27			26	21.750				0	
0	15430	715	935	190	1017	100	0	S	0.97	12860	R			302	BRW	3.083	21.853	21.72	23.18								704	923	190	1017	313	23.18			23	21.720				0	
TOR	15431.5	720	942	201	1030	100	2.91	L	0.64	19557	R			310	BRW	1.896	21.855	21.771	22.57								705	900	201	1030	325	37.35			37	21.771				TOR	
MOR	15434.8	1198	289	49	1448	100	9.312	L	0.36	34291	R			250	BRW												1180	291	49	1448											MOR
BOR	15437.3	1584	-190	N/A	N/A	100	9.654	L	0.16	78578	R			BRW													1569	-182													BOR

TITLE:
JARROW STATION PLATFORM 2 PROPOSED ARRANGEMENT PLAN & MODIFICATION TABLE

Designed	G. Gilbert	Signed	16/01/20
Drawn	D.Little	Signed	16/01/20
Checked	A.Kitching	Signed	16/01/20
Approved	C.Doyle	Signed	16/01/20

Scale: 1:200 Datum: ---
 Original Size: A1 Grid: ---
 ELR: N/A Mileage: N/A

Suitability Code: S3 Project Number: 10033113

Suitability Description:
 Fit for Review and Comment

Drawing Number: 10033113-ARC-00-XX-DR-CE-60004
 Revision: A01

ARCADIS Design & Consultancy for natural and built assets

Registered office: Arcadis House, 34 York Way, London N1 9AB
 Coordinating office: 1st Floor, Artemis House, Eboracum Way, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

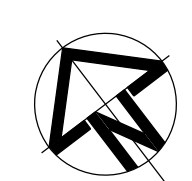
Client NEXUS

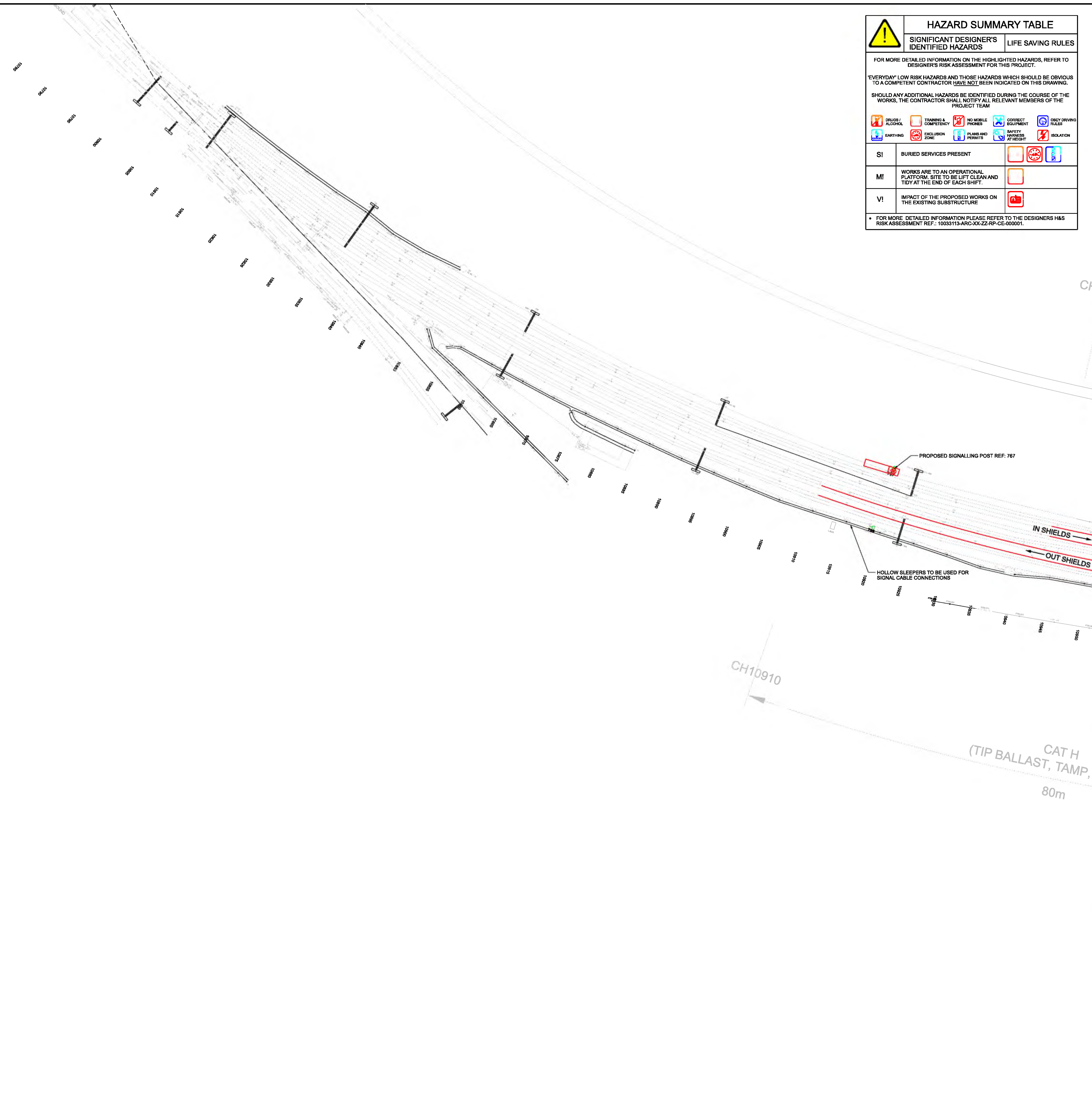
PROJECT: Nexus Metro Flow

Site Pelaw to Jarrow

Client Nexus Rail Headquarters, Gosforth Industrial Estate, Christon Road, Newcastle, NE3 1XD, +44 (0)19120 220 747, www.nexus.org.uk

AD1	16/01/20	First Issue	DL	AK	CD
Rev	Date	Description	Drawn	Check	Approv





HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
"EVERYDAY" LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
DRUGS/ALCOHOL TRAINING & COMPETENCY NO MOBILE PHONES CORRECT EQUIPMENT OBEY DRIVING RULES EARTHING EXCLUSION ZONE PLANS AND PERMITS SAFETY HARNESS AT HEIGHT ISOLATION	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF: 10033113-ARC-00-XX-DR-CE-000001	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSH IN NOVEMBER 2019. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELEGRAMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/11303/2005/5 AND NRL2/CIV/SD/10/07. REQUIREMENTS OF RESERVE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUE OR >+300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED i.e. THROUGH ROUTES, UTXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUE OF >+300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

Rev	Date	Description	Drawn	Check	Apprv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
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www.nexus.org.uk

ARCADIS Infrastructure & Transport

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Coordinating office:
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York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	21/03/20
Drawn	R. NG	Rev	21/03/20
Checked	A. Kitching	Rev	21/03/20
Approved	C. Doyle	Rev	21/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ELR	N/A	Metage	N/A
Sustainability Code	S3	Project Number	10033113

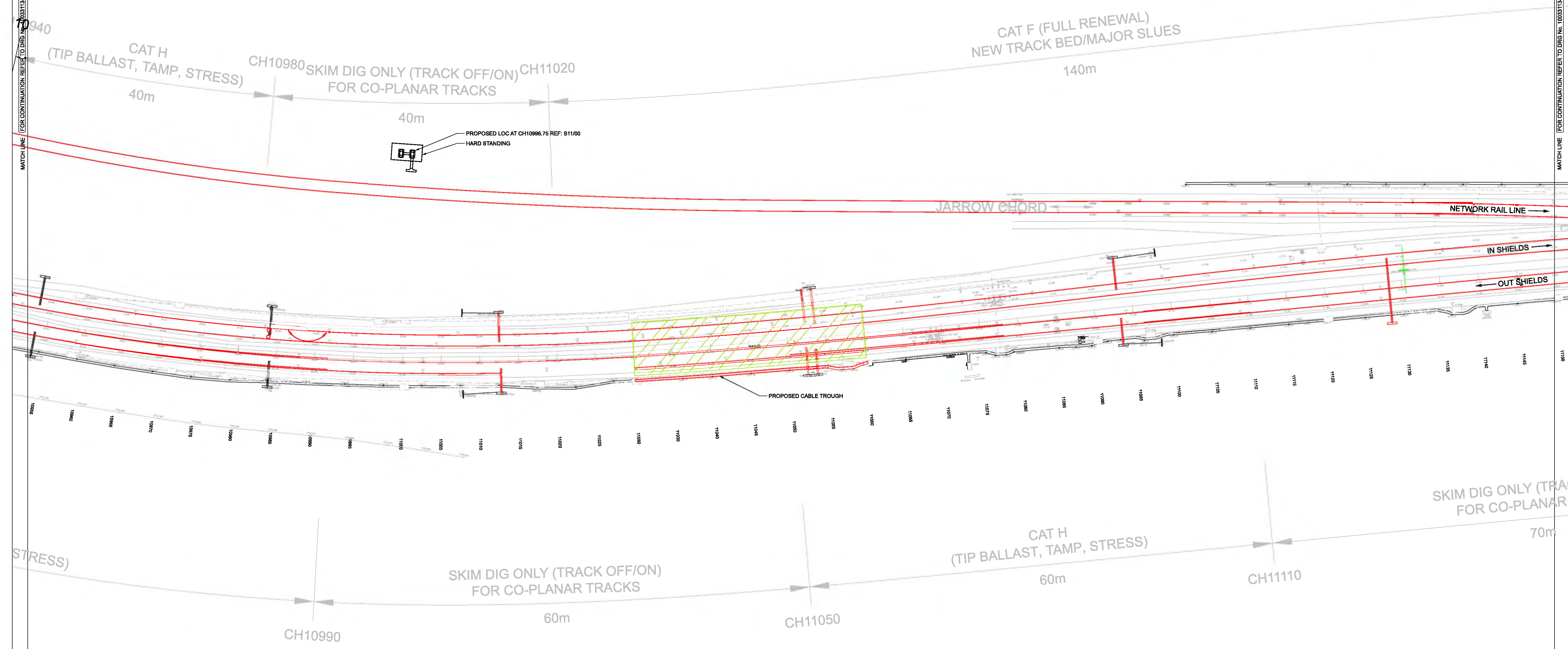
Sustainability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number	Revision
10033113-ARC-00-XX-DR-CE-70011	A01

GENERAL ARRANGEMENT CH10785 - CH10950
1:200



HAZARD SUMMARY TABLE		
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.		
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.		
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM		
SI	BURIED SERVICES PRESENT	
M!	WORKS ARE TO AN OPERATIONAL PLATFORM SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.		



- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 5.
 - PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL_3/SIG/1103/20056 AND NRL_2/CIV/5018/01F. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR +/-300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA THROUGH ROUTES, UTXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Plotter to Jarrow: Nexus Rail Headquarters, Coalbrook Industrial Estate, Christian Road, Newcastle, NE3 1XD, +44 (0)19120 220 747, www.nexus.org.uk

ARCADIS Infrastructure

Registered office: Arcadis House, 34 York Way, London N1 5AB

Coordinating office: 1st Floor, Artemis House, York YO31 7RE, Tel: +44 (0)1904 380 750, www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert		21/03/20
Drawn	R.NG		21/03/20
Checked	A.Kitching		21/03/20
Approved	C. Doyle		21/03/20
Scale	1:200	Datum	
Original Size	A0	Grid	
ELR	N/A	Message	N/A
Stability Code	S3	Project Number	10033113

Stability Description: Fit for Review and Comment NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70012 Revision: A01

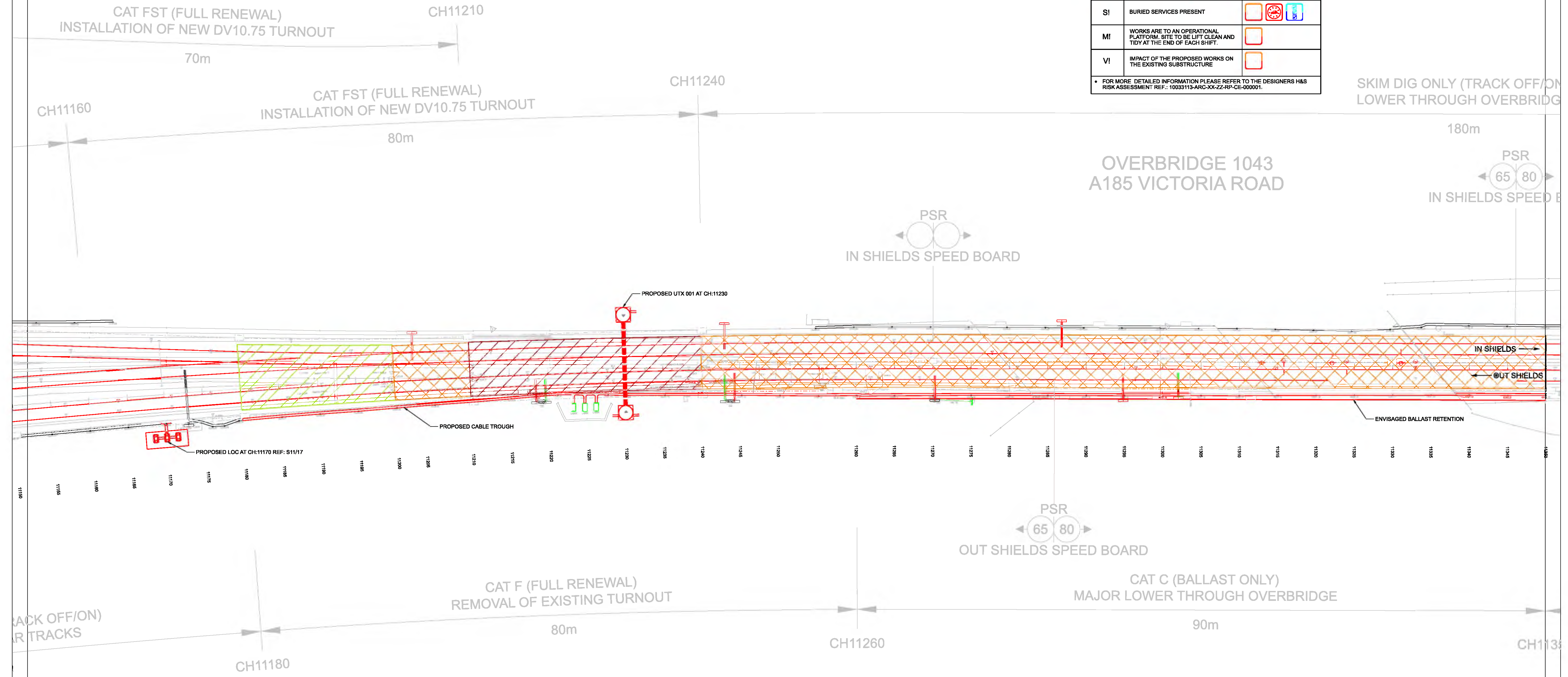
GENERAL ARRANGEMENT CH10955 - CH11150
1:200



HAZARD SUMMARY TABLE		
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.		
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SI	BURIED SERVICES PRESENT	
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	

* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S HAS RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PPH IN NOVEMBER 2019. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
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 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 5.
 - PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI.35IG11003/20095 AND NRI.201V5010101. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
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- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
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 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION




GENERAL ARRANGEMENT CH11150 - CH11350
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow



Site: Client

Prefer to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE5 1XD
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www.nexus.org.uk

ARCADIS Infrastructure

Registered office:
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Coordinating office:
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York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R.NG	27/03/20
Checked	A.Kitching	27/03/20
Approved	C.Dayle	27/03/20
Scale	1:200	Datum: -
Original Size	A0	Grid: -
ELR:	N/A	Message: N/A
Subsidiary Code:	S3	Project Number: 10033113

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70013
Revision: A01

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70012]

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70014]

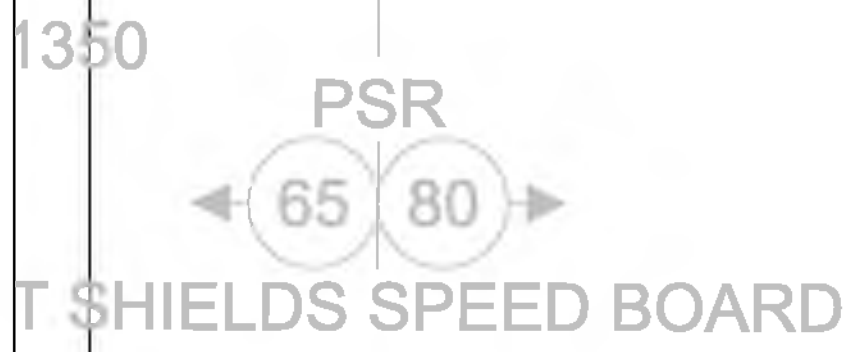
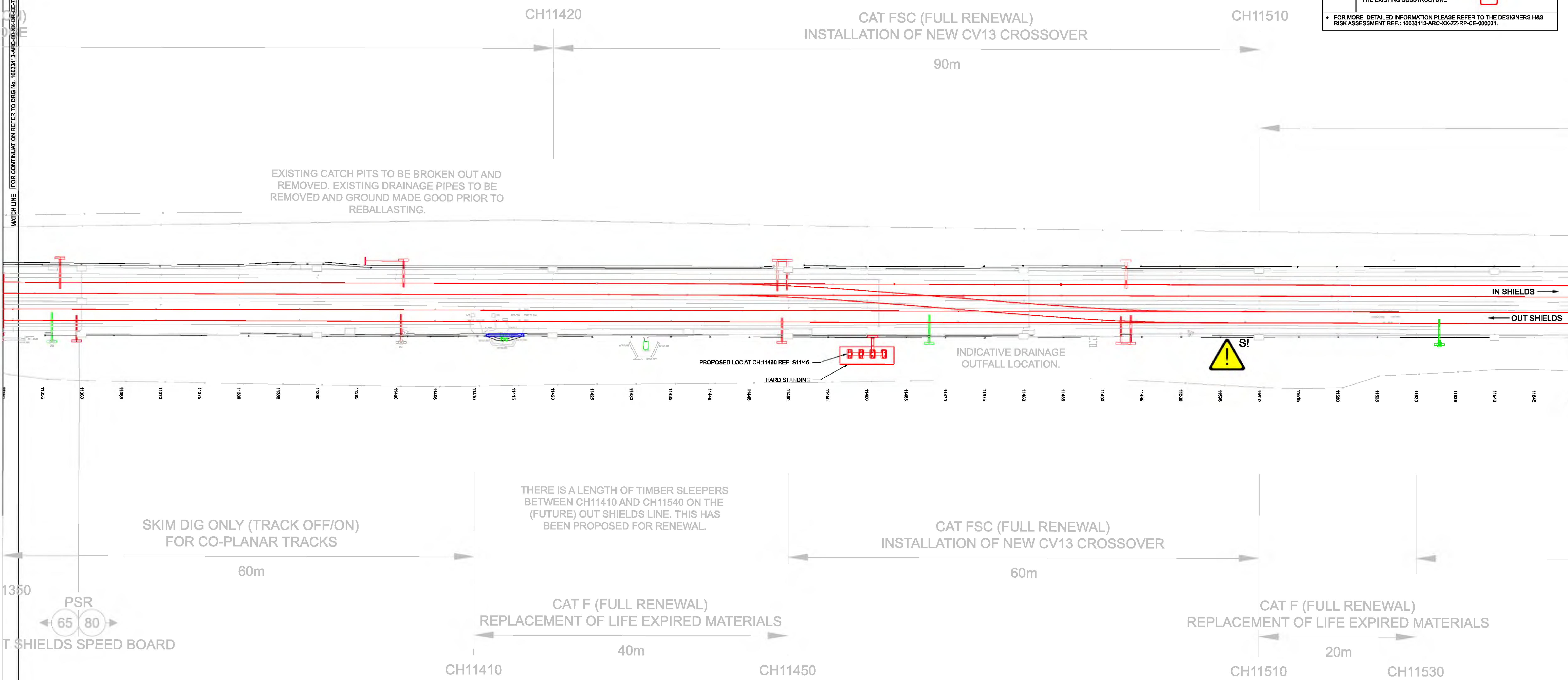


HAZARD SUMMARY TABLE		
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FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.		
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SI	BURIED SERVICES PRESENT	
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S HAS RISK ASSESSMENT REF: 10033113-ARC-XX-ZZ-RP-GE-000001.		

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PPH IN NOVEMBER 2019. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
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 - PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI.3SIG11003/20009 AND NRI.2CV13/010/010. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
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- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUE OR +/->300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.e. THROUGH ROUTES, UTXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUE OF +/->300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-DR-CE-70013

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-DR-CE-70015



GENERAL ARRANGEMENT CH11355 - CH11550
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prefer to Jarrow

Nexus Rail Headquarters
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Christon Road
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+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

Registered office:
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London N1 5AB

Coordinating office:
1st Floor, Artemis House
Eboracross Way
York YO31 7ZE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	21/03/20
Drawn	R. NG	Rev	21/03/20
Checked	A. Kitching	Rev	21/03/20
Approved	C. Doyle	Rev	21/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ELR	N/A	Message	N/A
Stability Code	S3	Project Number	10033113

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number	Revision
10033113-ARC-00-XX-DR-CE-70014	A01



HAZARD SUMMARY TABLE		
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES
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SI	BURIED SERVICES PRESENT	
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF: 10033113-ARC-XX-ZZ-PP-CE-000001.		

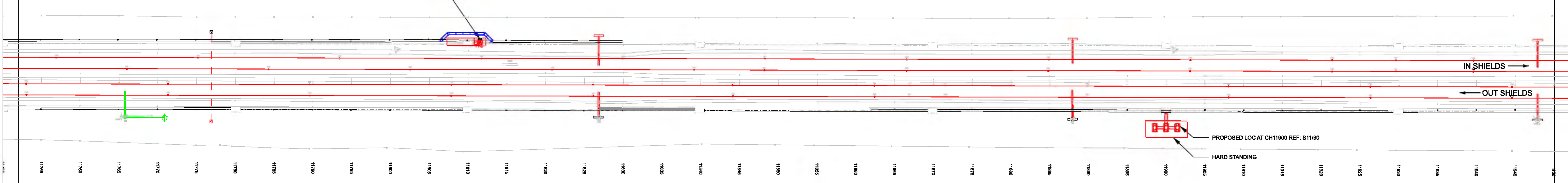
- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PBH IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P-WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 8.
 - PROPOSED LOC, UTIX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI.335/CI/1002/2005/8 AND NRI.2/CIV/SD/10/F. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR +/->300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.e. THROUGH ROUTES, UTIX AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF +/->300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-PP-CE-70015]

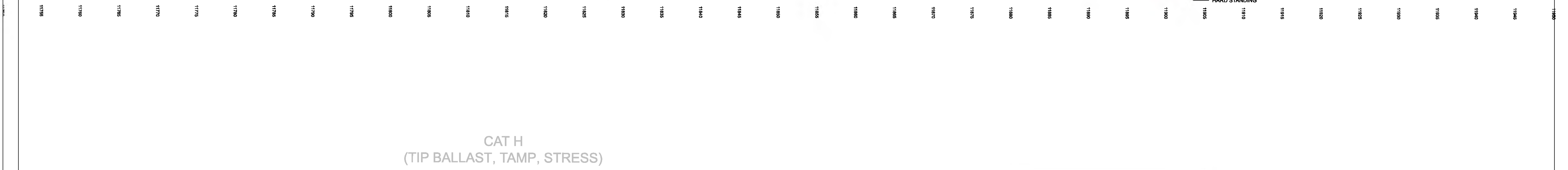
MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-PP-CE-70017]

CAT H
(TIP BALLAST, TAMP, STRESS)
670m

PROPOSED SIGNALLING POST REF: 773



CAT H
(TIP BALLAST, TAMP, STRESS)
640m



Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE5 1XD
+44 (0)19120 220 747

www.nexus.org.uk

ARCADIS Infrastructure

Registered office:
Arcadis House
34 York Way
London N1 5AB

Coordinating office:
1st Floor, Artemis House
York YO31 7RE
Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Subsidiary Code	SI	
Project Number	10033113	

Subsidiary Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70016
Revision: A01

GENERAL ARRANGEMENT CH11755 - CH11950
1:200



HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-00-XX-DR-CE-000001.	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/1103/20056 AND NRL3/UTX/5018/01F. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR >300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED. I.A. THROUGH ROUTES, UTXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF >300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE

FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70019

CAT C (BALLAST ONLY) OR CO-PLANAR TRACKS

CH12380

40m

SKIM DIG ONLY (TRACK OFF/ON) FOR CO-PLANAR TRACKS

240m

PSR
IN SHIELDS SPEED BOARD

ENVISAGED BALLAST RETENTION

PROPOSED SIGNALLING POST REF: 775



PROPOSED CABLE TROUGH

PROPOSED SIGNALLING POST REF: 776

PROPOSED LOC AT CH12468 REF: S12/48

HARD STANDING

IN SHIELDS

OUT SHIELDS

PSR
80 55

T SHIELDS SPEED BOARD

CAT H (TIP BALLAST, TAMP, STRESS)

550m

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70020

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client

Client: Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

Registered office:
Arcadis House
34 York Way
London N1 5AB

Coordinating office:
1st Floor, Artemis House
York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	21/03/20
Drawn	R. NG	21/03/20
Checked	A. Kitching	21/03/20
Approved	C. Doyle	21/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	Milage: N/A
Stability Code	S3	Project Number: 10033113

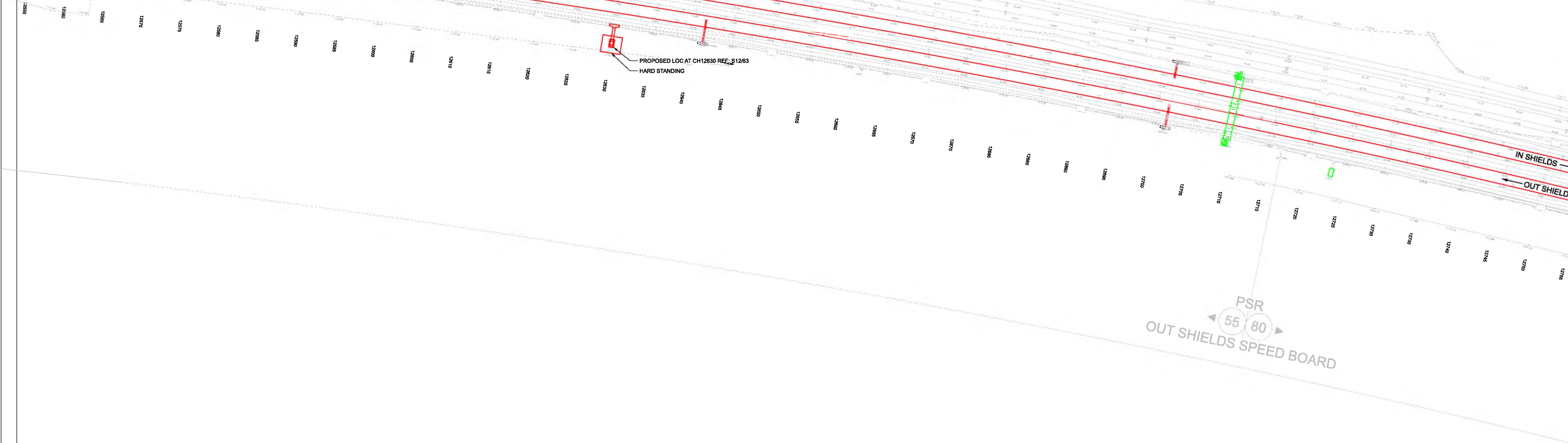
Substation Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70019
Revision: A01

GENERAL ARRANGEMENT CH12355 - CH12550
1:200



MATCH LINE [FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70019]



GENERAL ARRANGEMENT CH12555 - CH12755
1:200

HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
'EVERYDAY' LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM.	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-22-RP-CE-00001.	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/1103/2005/6 AND NRI/2016/05/01/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR +/-300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA THROUGH ROUTES, UTILITY AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE [FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70021]

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: **Client**

Prelew to Jarrow

Nexus Rail Headquarters
Coalburn Industrial Estate
Christon Road
Newcastle, NE5 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

Registered office:
Arcadis House
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London N1 5AB

Coordinating office:
1st Floor, Artemis House
Eboracross Way
York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	C. Gilbert	Rev	21/03/20
Drawn	R. NG	Rev	21/03/20
Checked	A. Kitching	Rev	21/03/20
Approved	C. Doyle	Rev	21/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ESR	N/A	Mispage	N/A
Stability Code	SI	Project Number	10033113

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70020
Revision: A01



MATCH LINE (FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70020)

MATCH LINE (FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70022)

HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.	

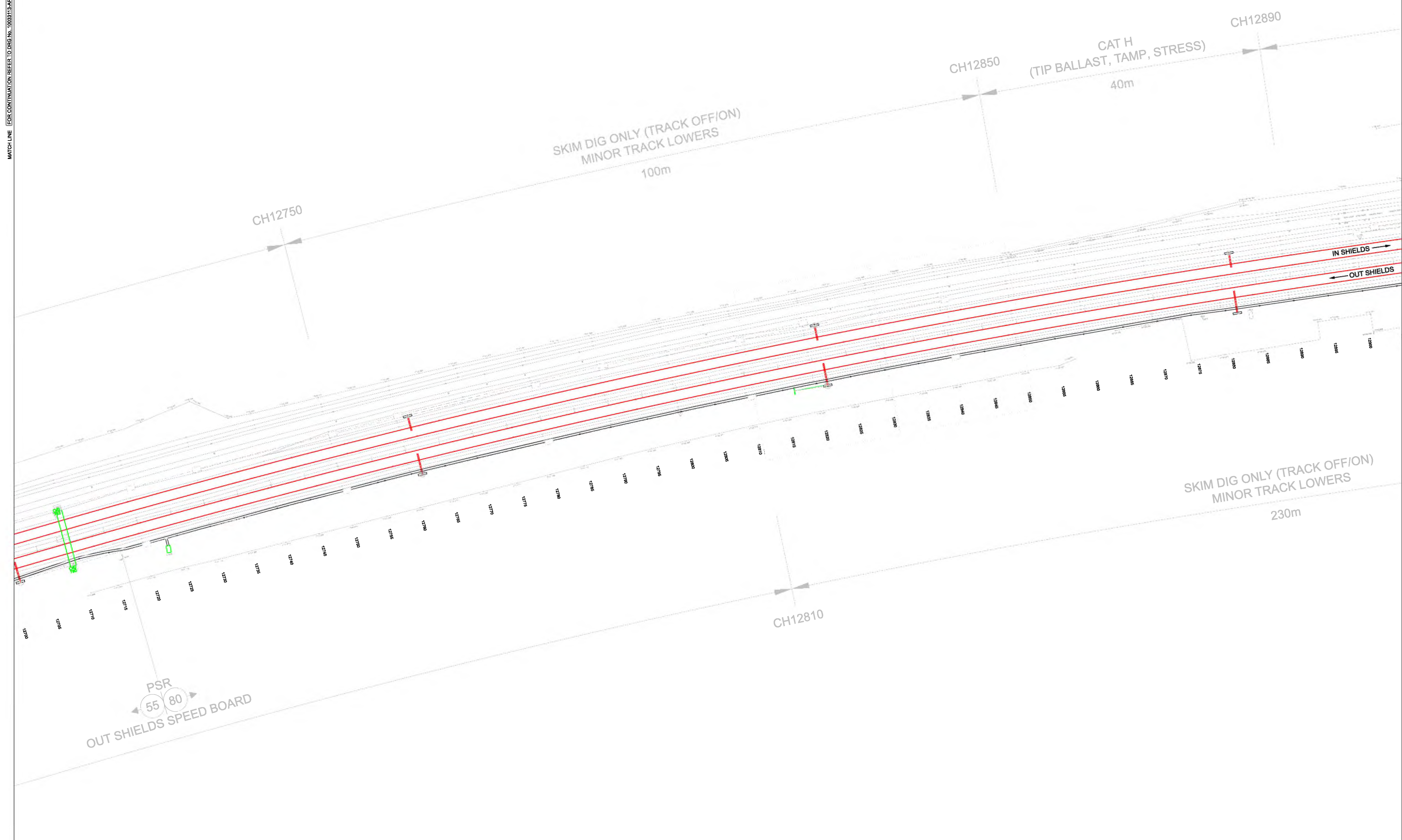
NOTES:

- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
- DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
- EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
- PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/2005/6 AND NRI_3/UT/505/10/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
- ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
- PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.

LEGEND:

	- EXISTING
	- MODIFIED EXISTING
	- DEMOLISHED / REMOVED EXISTING
	- PROPOSED

- TRACK LOWER OF >150mm AND SLUIE OR +/-300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.A. THROUGH ROUTES, UTxS AND DRAINAGE.
- TRACK LOWER OF <150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
- SLUIE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION



GENERAL ARRANGEMENT CH12700 - CH12905
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: **Client**

Peelaw to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

Registered office: Arcadis House, 34 York Way, London N1 5AB

Coordinating office: 1st Floor, Artemis House, York YO31 7RE, Tel: +44 (0)1904 380 750

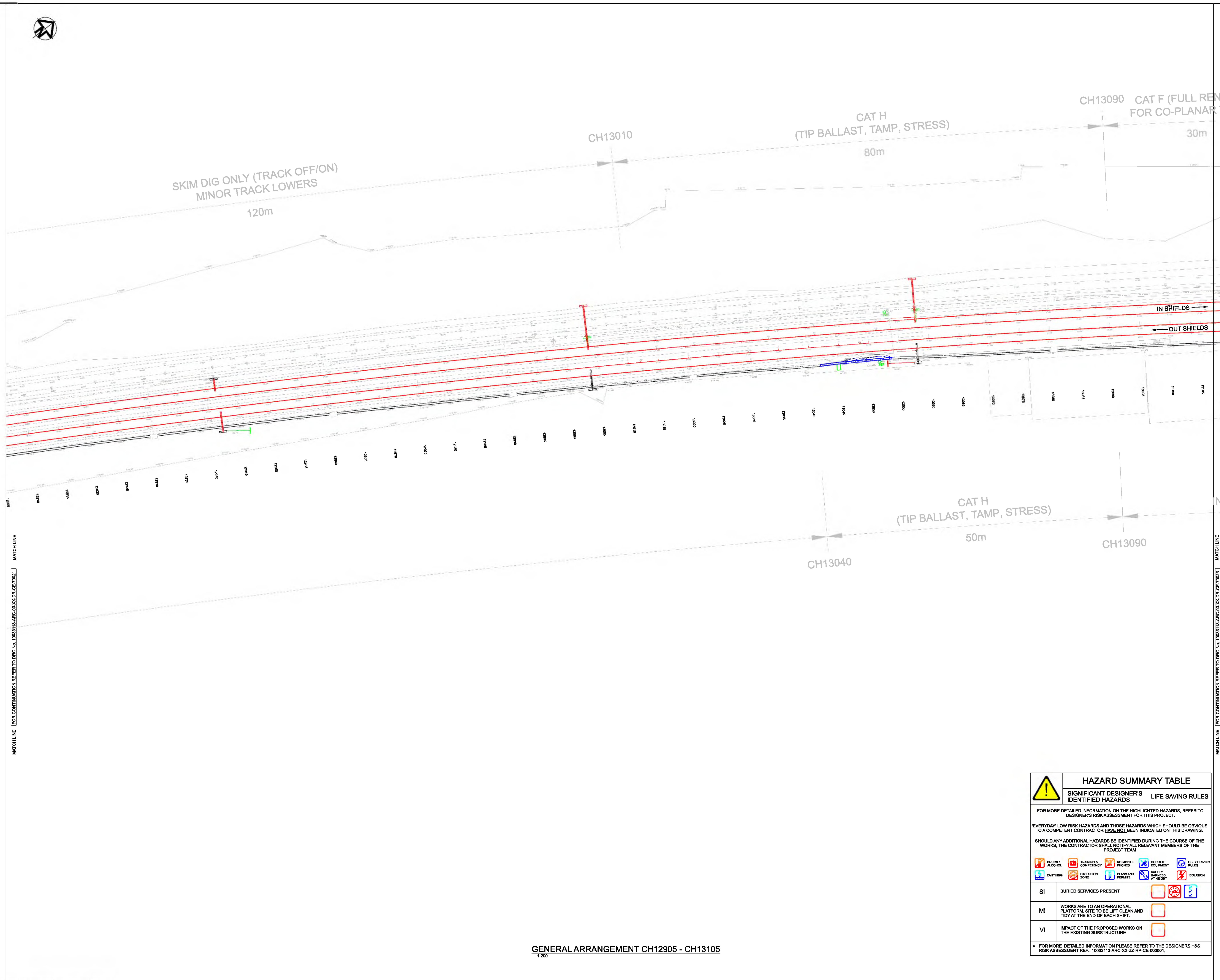
www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	27/03/20
Drawn	R. NG	Rev	27/03/20
Checked	A. Kitching	Rev	27/03/20
Approved	C. Doyle	Rev	27/03/20
Scale	1:200	Detail	27/03/20
Original Size	A0	Grid	—
ELR	N/A	Message	N/A
Stability Code	S3	Project Number	10033113

Substation Description: Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number:	10033113-ARC-00-XX-DR-CE-70021	Revision:	A01
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- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SG11303/20056 AND NRS1/SG1/5081/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY, REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.

- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED

- TRACK LOWER OF >150mm AND SLUE OR +/-300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.A. THROUGH ROUTES, UTILITY AND DRAINAGE.
- TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
- SLUE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

Rev	Date	Description	Drawn	Check	Apprv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client

Pelee to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1YD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

Registered office: 1st Floor, Artemis House, Arcadis House, York YO31 7RE, London N1 9AB

Coordinating office: 1st Floor, Artemis House, Eboracross Way, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE

* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS H&S RISK ASSESSMENT REF: 10033113-ARC-XX-ZZ-RP-CE-000001.

GENERAL ARRANGEMENT CH12905 - CH13105
1:200

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	C. Gilbert	27/03/20
Drawn	R.NG	27/03/20
Checked	A.Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR:	N/A	
Stability Code:	S3	
Project Number:	10033113	

Stability Description: Fit for Review and Comment NOT FOR CONSTRUCTION

Drawing Number:	10033113-ARC-00-XX-DR-CE-70022
Revision:	A01



NEWAL) CH13120
TRACKS

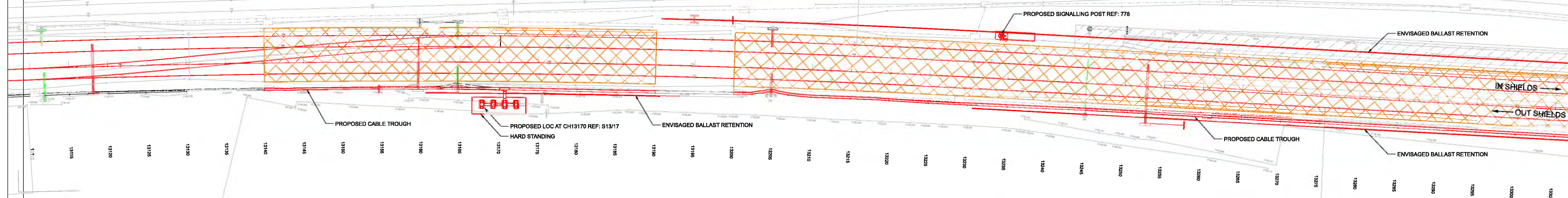
CAT FSC (FULL RENEWAL)
INSTALLATION OF NEW CV13 CROSSOVER

CH13190

70m

PSR
80 60

IN SHIELDS SPEED BOARD



CAT FSC (FULL RENEWAL)
INSTALLATION OF NEW CV13 CROSSOVER

70m

CH13160

PSR
80 60

OUT SHIELDS SPEED BOARD

HAZARD SUMMARY TABLE		
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.		
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.		
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM		
SI	BURIED SERVICES PRESENT	
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.		

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
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 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/20056 AND NRI_3/CIV/5018/01/01/ REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
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- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
-
-
-

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-RP-CE-70022

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-RP-CE-70022

Rev	Date	Description	Drawn	Check	Approv
A01	27/02/20	Form A Issue - Review by Client Comments	RB	AK	CS

Client NEXUS

PROJECT: Nexus Metro Flow

Site: **Client**

Peelaw to Jarrow

Nexus Rail Headquarters
Coofton Industrial Estate
Christon Road
Newcastle, NE3 1XP
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

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34 York Way
London N1 5AB

Coordinating office:
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York YO31 7ZE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	C. Gilbert	27/02/20
Drawn	R. NG	27/02/20
Checked	A. Kitching	27/02/20
Approved	C. Doyle	27/02/20
Scale	1:200	Drawn
Original Size	A0	Grd:
ELR:	N/A	Milage:
Stability Code:	S3	Project Number:
Stability Description:	Fit for Review and Comment NOT FOR CONSTRUCTION	
Drawing Number:	10033113-ARC-00-XX-DR-CE-70023	Revision:
		A01

GENERAL ARRANGEMENT CH13110 - CH13305
1:200

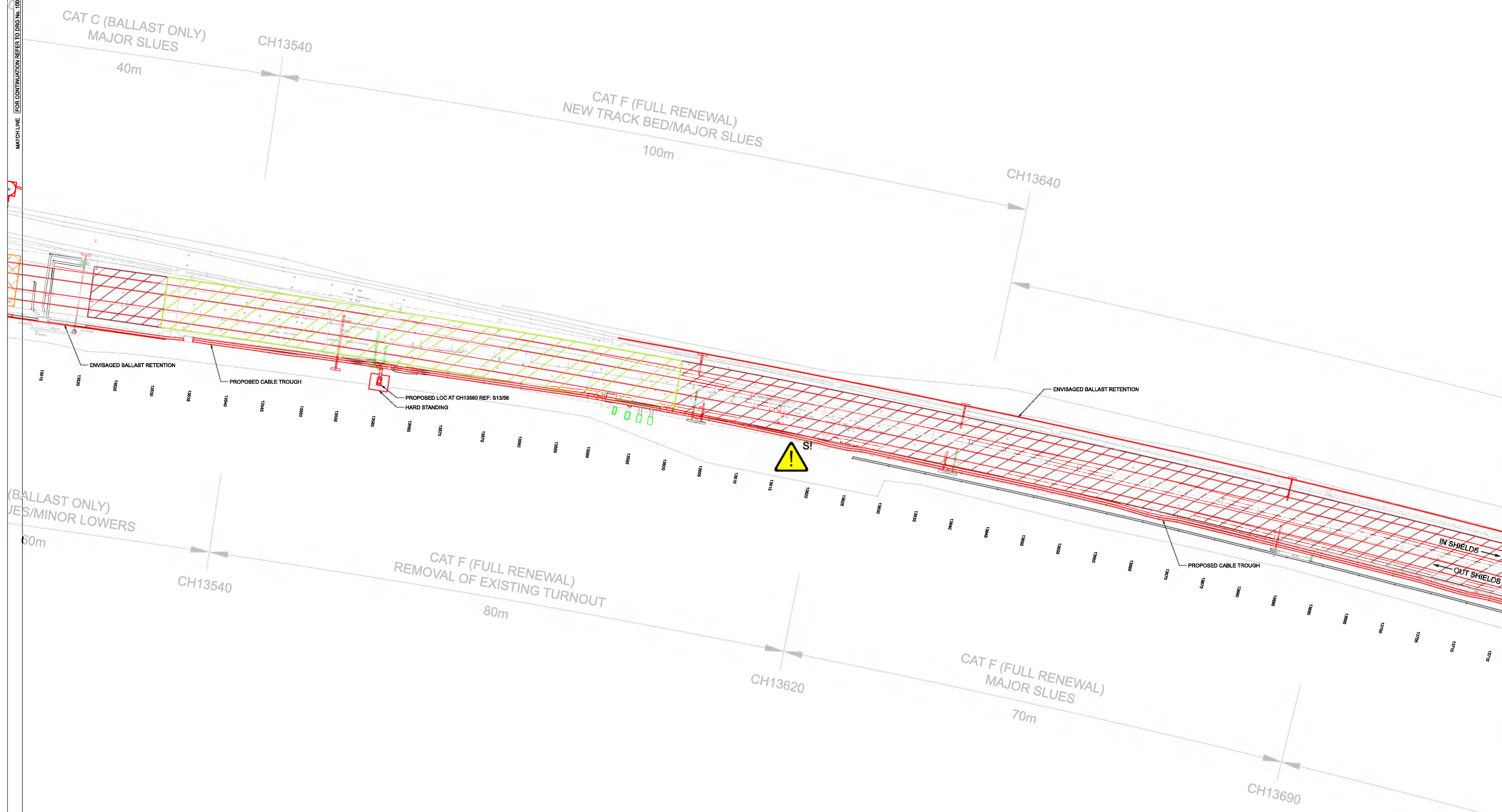


HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
'EVERYDAY' LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF: 10033113-ARC-00-XX-DR-CE-00001.	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 5.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/1103/20056 AND NPL3/DCV/S010/01/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
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 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR >>300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA, THROUGH ROUTES, UTILITY AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF >>300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70024

MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70026



GENERAL ARRANGEMENT CH13515 - CH13715
1:200

Rev	Date	Description	Drawn	Check	Apprv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

Registered office: Arcadis House, 34 York Way, London N1 9AB

Coordinating office: 1st Floor, Artemis House, Eboracross Way, York YO31 7ZE, Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	27/03/20
Drawn	R. NG	Rev	27/03/20
Checked	A. Kitching	Rev	27/03/20
Approved	C. Doyle	Rev	27/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ELR	N/A	Milage	N/A
Stability Code	S3	Project Number	10033113

Stability Description: Fit for Review and Comment NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70025 Revision: A01

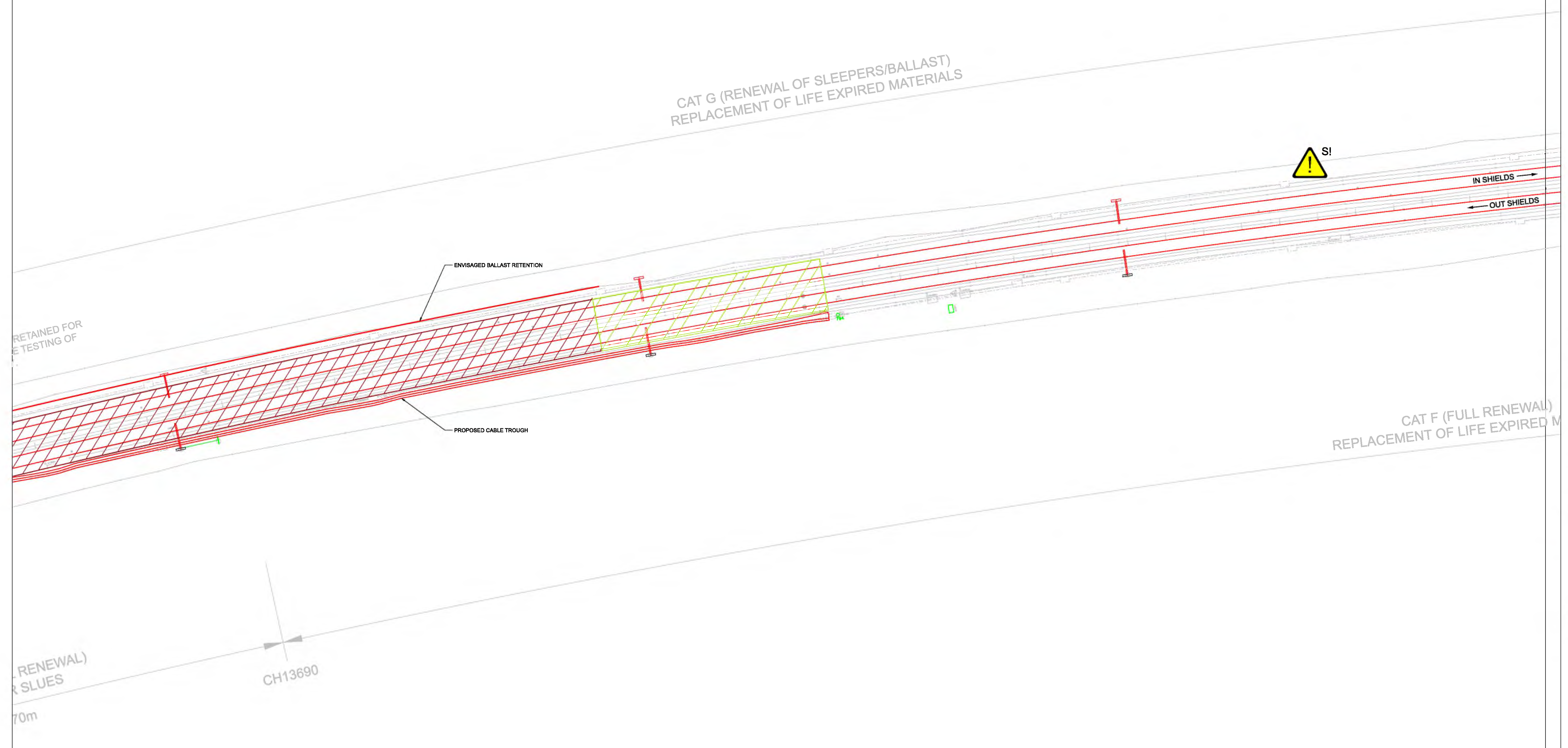


HAZARD SUMMARY TABLE	
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<p>DRUGS / ALCOHOL TRAINING & COMPETENCY NO MOBILE PHONES CORRECT EQUIPMENT OBEY DRIVING RULES</p> <p>EARTHINGS EXCLUSION ZONE PLANS AND PERMITS SAFETY TRAINING AT HEIGHT ISOLATION</p>	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
<p>* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.</p>	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
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 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/2005/6 AND NRI_3/CI/508/10/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
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MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-RP-CE-70026]

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-XX-ZZ-RP-CE-70027]



RETAINED FOR TESTING OF

RENEWAL) & SLUIES
70m

CH13690

GENERAL ARRANGEMENT CH13660 - CH13865
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

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Arcadis House
34 York Way
London N1 5AB

Coordinating office:
1st Floor, Arctura House
York YO3 1YR
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	21/03/20
Drawn	R.NG	Rev	21/03/20
Checked	A.Kitching	Rev	21/03/20
Approved	C. Doyle	Rev	21/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ELR	N/A	Milage	N/A
Stability Code	S3	Project Number	10033113

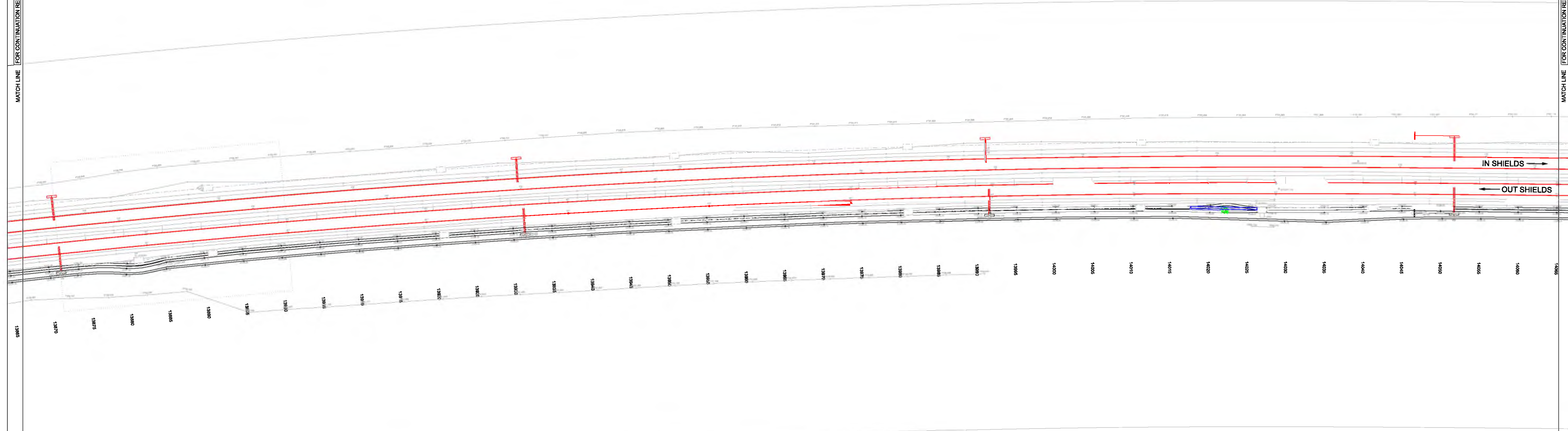
Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number	Revision
10033113-ARC-00-XX-DR-CE-70026	A01



HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
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SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
<p>* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.</p>	

- NOTES:**
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MATERIALS

GENERAL ARRANGEMENT CH13865 - CH14065
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Peelaw to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

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Coordinating office: 1st Floor, Artemis House, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	21/03/20
Drawn	R. NG	21/03/20
Checked	A. Kitching	21/03/20
Approved	C. Doyle	21/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	

Subsidiary Description: Fit for Review and Comment NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70027 Revision: A01

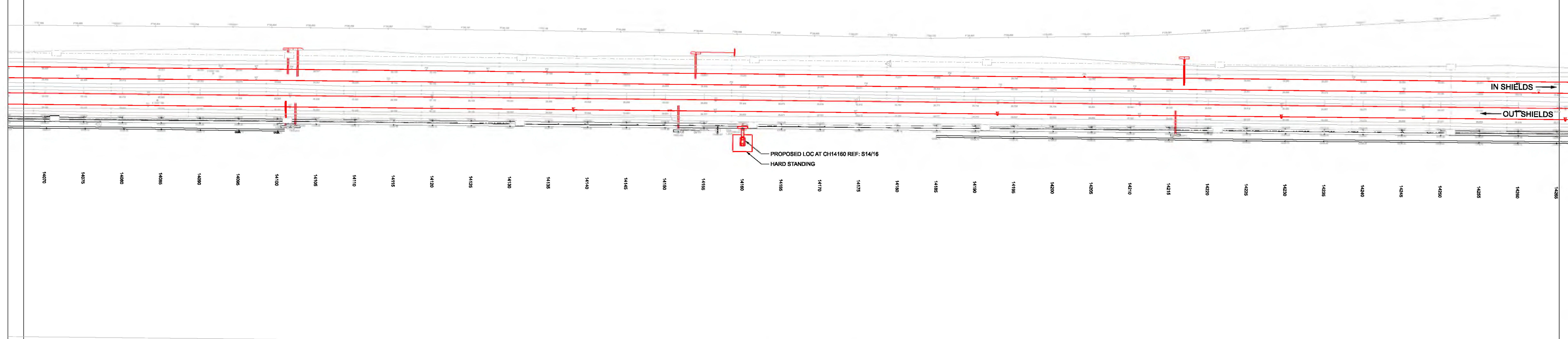


HAZARD SUMMARY TABLE		LIFE SAVING RULES	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES	
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SI	BURIED SERVICES PRESENT		
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.		
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MATCH LINE FOR CONTINUATION REFER TO DRG. No. 10033113-ARC-00-XX-DR-CE-70028

MATCH LINE FOR CONTINUATION REFER TO DRG. No. 10033113-ARC-00-XX-DR-CE-70028



GENERAL ARRANGEMENT CH14070 - CH14265
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client
Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

Registered office:
Arcadis House
34 York Way
London N1 5AB

Coordinating office:
1st Floor, Artemis House
York YO31 7ZE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	
Project Number	10033113	

Substation Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70028
Revision: A01



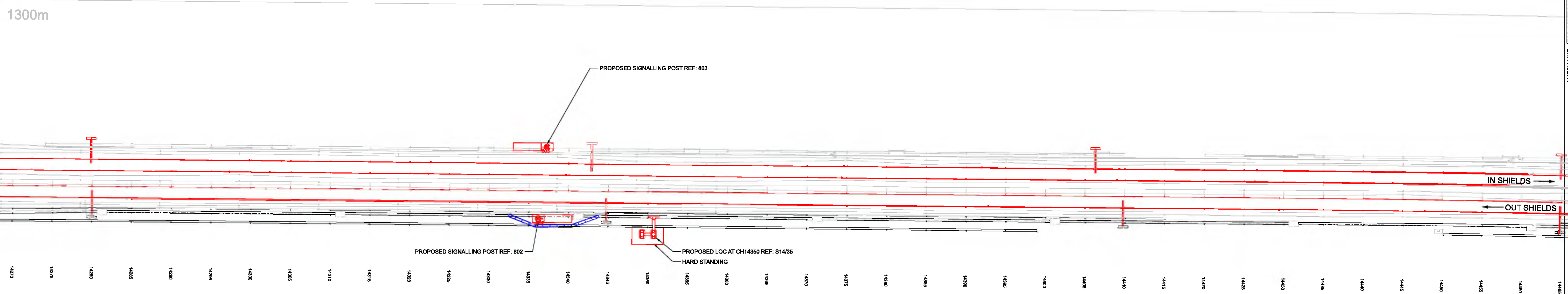
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MATCH LINE FOR CONTINUATION REFER TO DRS NO. 10033113-ARC-00-XX-DR-CE-70028

MATCH LINE FOR CONTINUATION REFER TO DRS NO. 10033113-ARC-00-XX-DR-CE-70030

REPLACEMENT OF SLEEPERS/BALLAST)
OF LIFE EXPIRED MATERIALS



CAT F (FULL RENEWAL)
REPLACEMENT OF LIFE EXPIRED MATERIALS

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client

Perlew to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE5 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

Registered office: Arcadis House, 34 York Way, London N1 5AB

Coordinating office: 1st Floor, Artemis House, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	21/03/20
Drawn	R. NG	21/03/20
Checked	A. Kitching	21/03/20
Approved	C. Doyle	21/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	

Substation Description: Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70029
Revision: A01

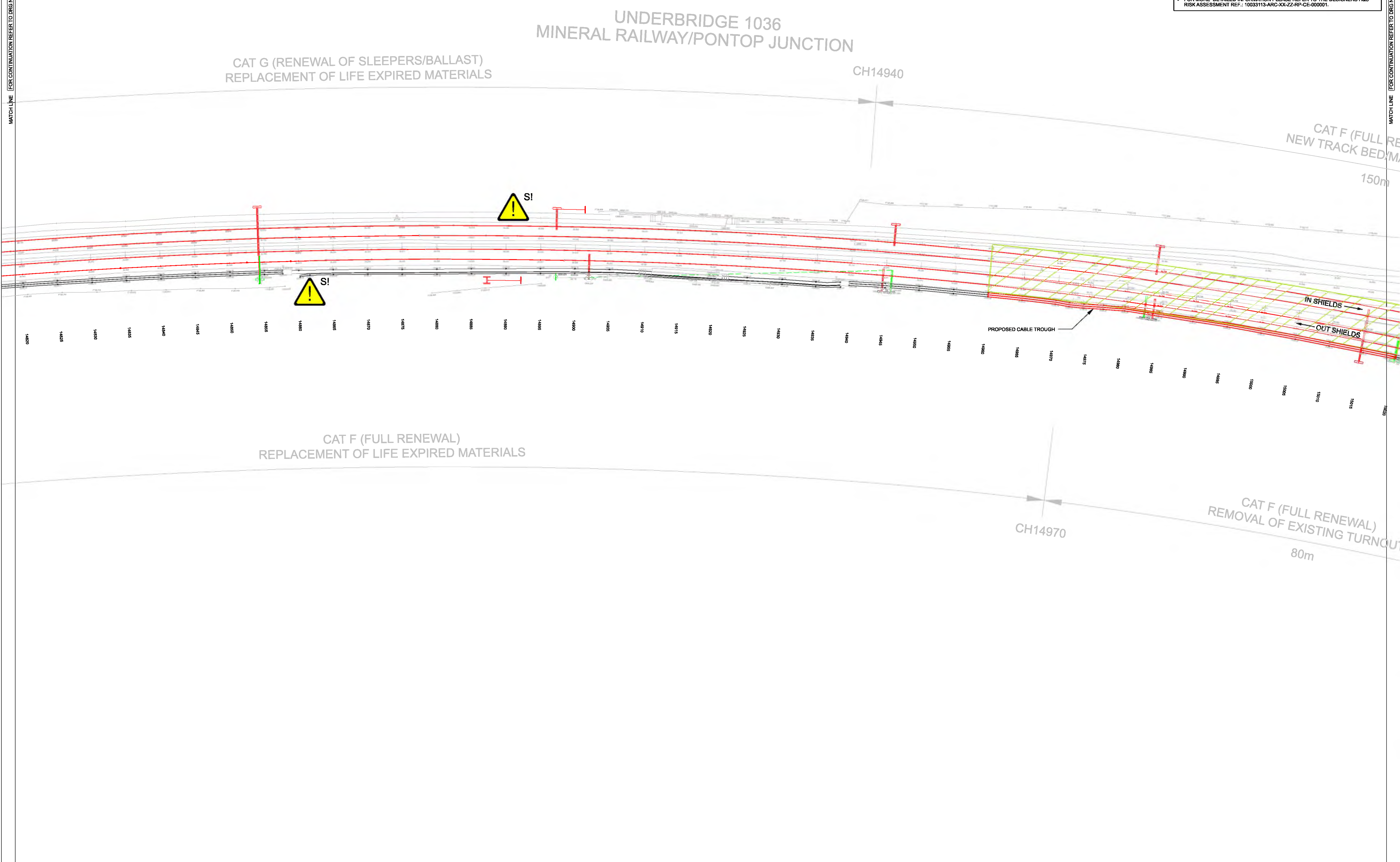
GENERAL ARRANGEMENT CH14270 - CH14465
1:200



MATCH LINE FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70021

MATCH LINE FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70023

HAZARD SUMMARY TABLE	
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DRUGS / ALCOHOL	TRAINING & COMPETING
EARTHINGS	EXCLUSION ZONE
NO MOBILE PHONES	PLANS AND PERMITS
CORRECT EQUIPMENT	SAFETY TRAINING AT HEIGHT
OBEY DRAWING RULES	ISOLATION
SI BURIED SERVICES PRESENT	
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Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: **Client**

Prelew to Jarrow

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TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	21/03/20
Drawn	R. NG	21/03/20
Checked	A. Kitching	21/03/20
Approved	C. Doyle	21/03/20
Scale:	1:200	
Original Size:	A0	
ELR:	N/A	
Stability Code:	S3	
Project Number:	10033113	

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70032 Revision: A01

GENERAL ARRANGEMENT CH14820 - CH15020
1:200

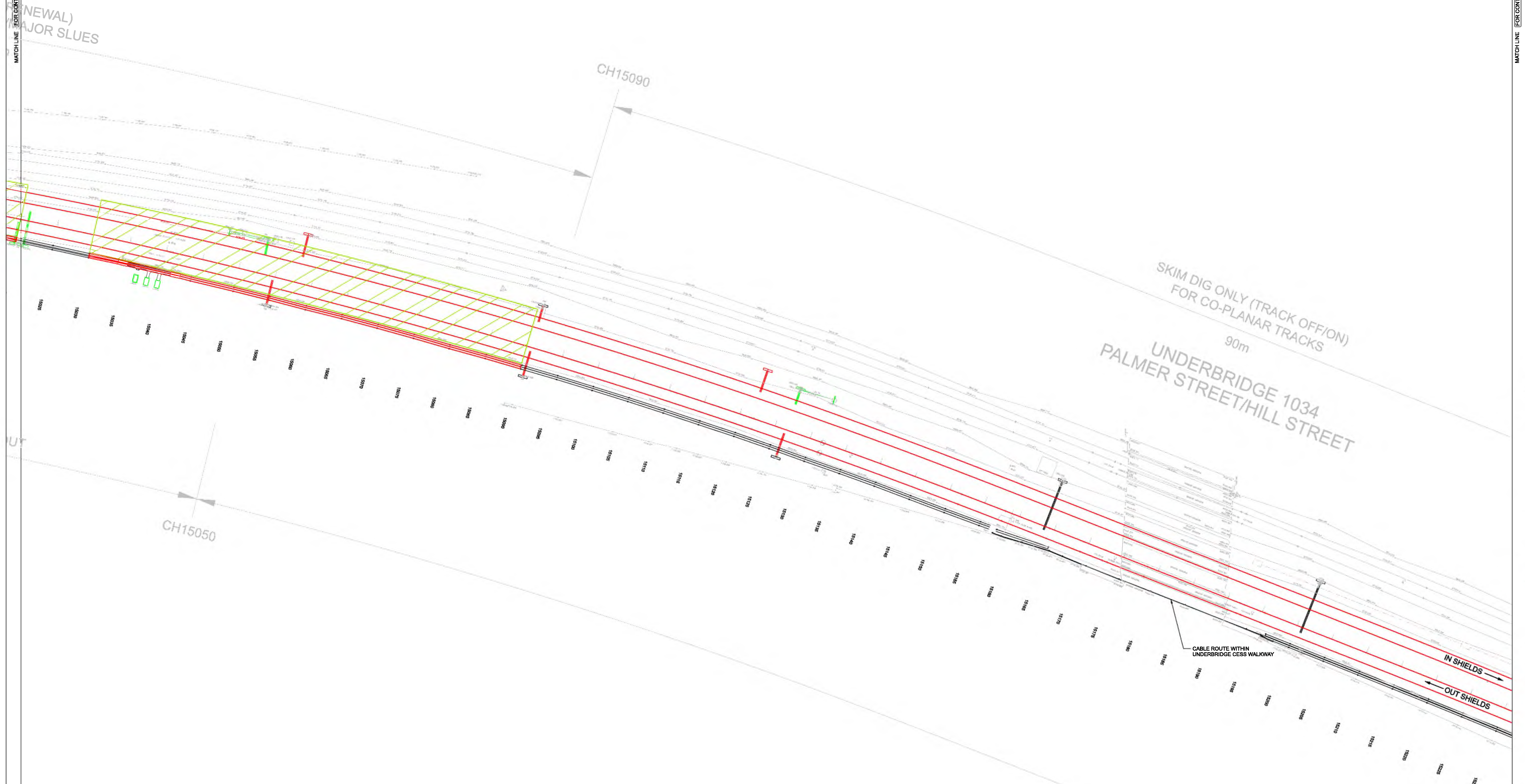


HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
<p>FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.</p> <p>EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.</p> <p>SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM</p>	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
<p>* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.</p>	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/2005/6 AND NRI_3/UT/5018/01/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUE OR +/-300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA, THROUGH ROUTES, UTxs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUE OF +/-300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE (FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70033)

MATCH LINE (FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70034)



GENERAL ARRANGEMENT CH15025 - CH15235

1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client

Prepared by: Jarrow

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Coalbrook Industrial Estate
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www.nexus.org.uk

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Coordinating office:
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Eboracross Way
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Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	
Project Number	10033113	

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number	Revision
10033113-ARC-00-XX-DR-CE-70033	A01

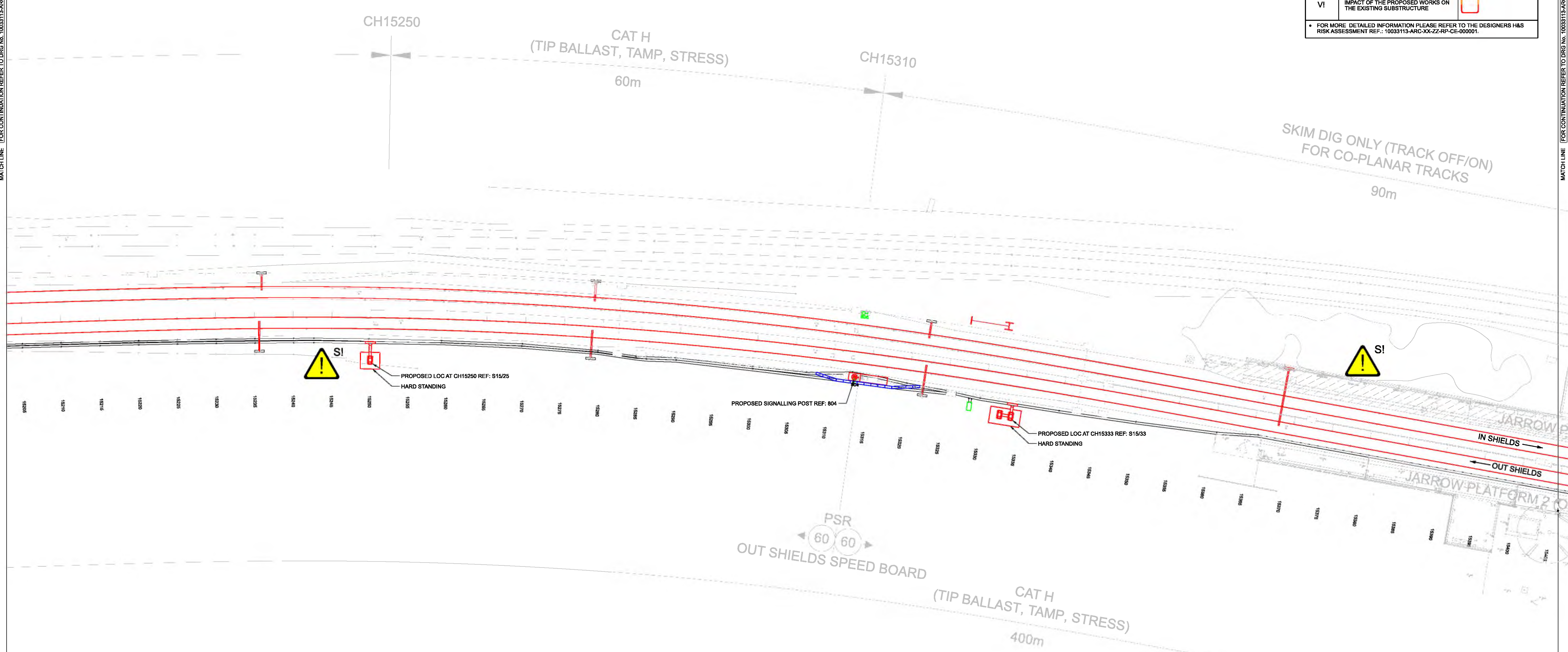


MATCH LINE [FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70033]

MATCH LINE [FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70033]

HAZARD SUMMARY TABLE		LIFE SAVING RULES	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS			
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.			
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.			
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM			
SI	BURIED SERVICES PRESENT		
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.		
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE		
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.			

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/1103/20056 AND NRI/CI/05/09/01/07. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR >300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.A. THROUGH ROUTES, UTILITY AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF >300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION



GENERAL ARRANGEMENT CH15205 - CH15405
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Peelaw to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
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www.nexus.org.uk

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Coordinating office: 1st Floor, Artemis House, Eboracross Way, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Subsidiary Code	SI	
Project Number	10033113	

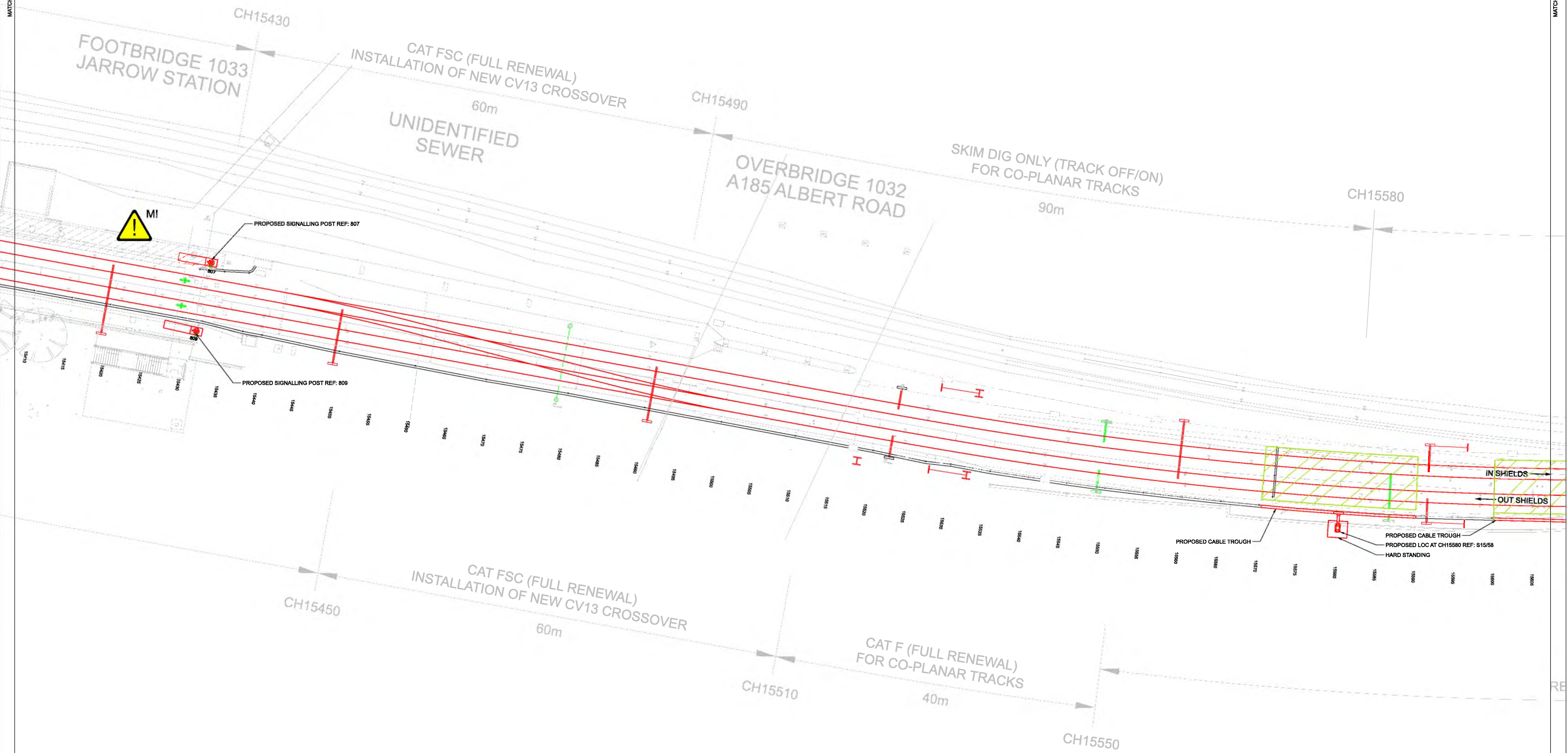
Subsidiary Description: Fit for Review and Comment NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70034

Revision: A01



MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70031]



GENERAL ARRANGEMENT CH15410 - CH15605
1:200

HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.	

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 5.
 - PROPOSED LOC, UTIX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/2005/6 AND NRI_3/UTIX/05/01/01. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
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 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.
- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUIE OR >300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA THROUGH ROUTES, UTIXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF >300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70032]

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client
Pretlow to Jarrow

Nexus Rail Headquarters
Cooford Industrial Estate
Christon Road
Newcastle, NE3 1XD
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www.nexus.org.uk

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York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	
Project Number	10033113	

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70035
Revision: A01

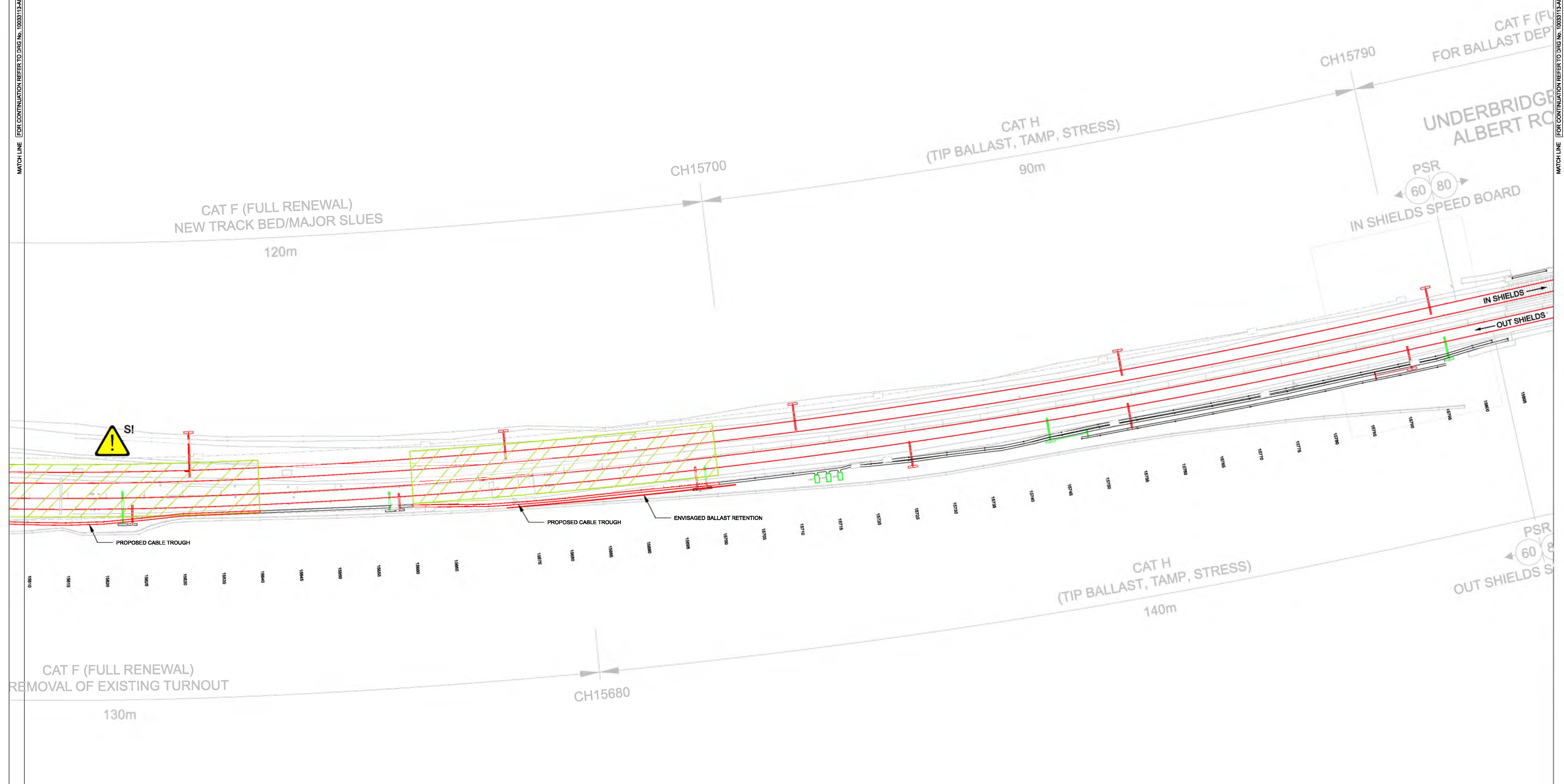


HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
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DRUGS / ALCOHOL TRAINING & COMPETENCE EARTHINGS EXCLUSION ZONE FLAME AND PERMITS	NO MOBILE PHONES CORRECT EQUIPMENT SAFETY HARNESS AT HEIGHT ISOLATION
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.	

- NOTES:**
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 - PROPOSED
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 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUIE OF +/->300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

MATCH LINE FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70036

MATCH LINE FOR CONTINUATION REFER TO DRG No. 10033113-ARC-00-XX-DR-CE-70037



GENERAL ARRANGEMENT CH15610 - CH15805
1:200

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: **Client**

Prelew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

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34 York Way
London N1 5AB

Coordinating office:
1st Floor, Ardenia House
Eboracross Way
York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	Rev	27/03/20
Drawn	R.NG	Rev	27/03/20
Checked	A.Kitching	Rev	27/03/20
Approved	C. Doyle	Rev	27/03/20
Scale	1:200	Datum	—
Original Size	A0	Grid	—
ELR	N/A	Message	N/A
Stability Code	S3	Project Number	10033113

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number:	10033113-ARC-00-XX-DR-CE-70036	Revision:	A01
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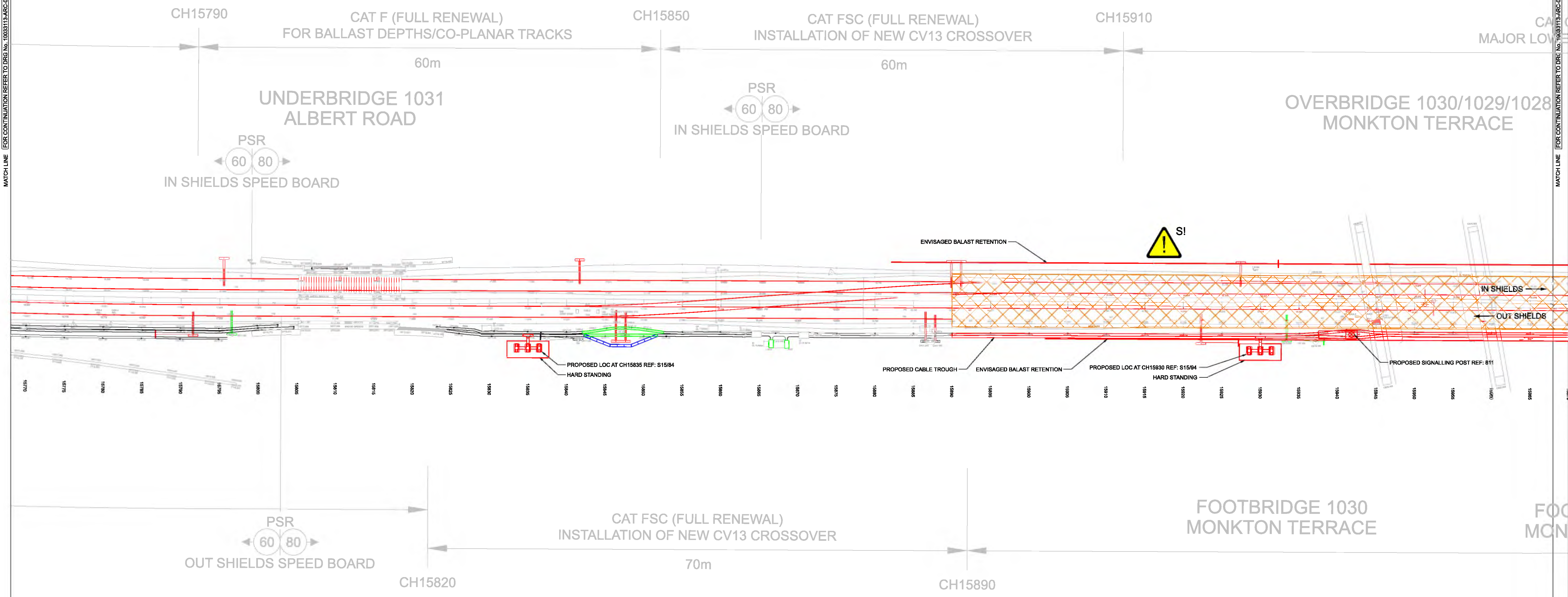


HAZARD SUMMARY TABLE	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.	
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.	
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM	
SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.	

- NOTES:**
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- LEGEND:**
- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED

MATCH LINE [SEE CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70037]

MATCH LINE [SEE CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70038]



Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site Client

Prelew to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure

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Coordinating office:
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Eboracross Way
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Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR	N/A	
Stability Code	S3	
Project Number	10033113	

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

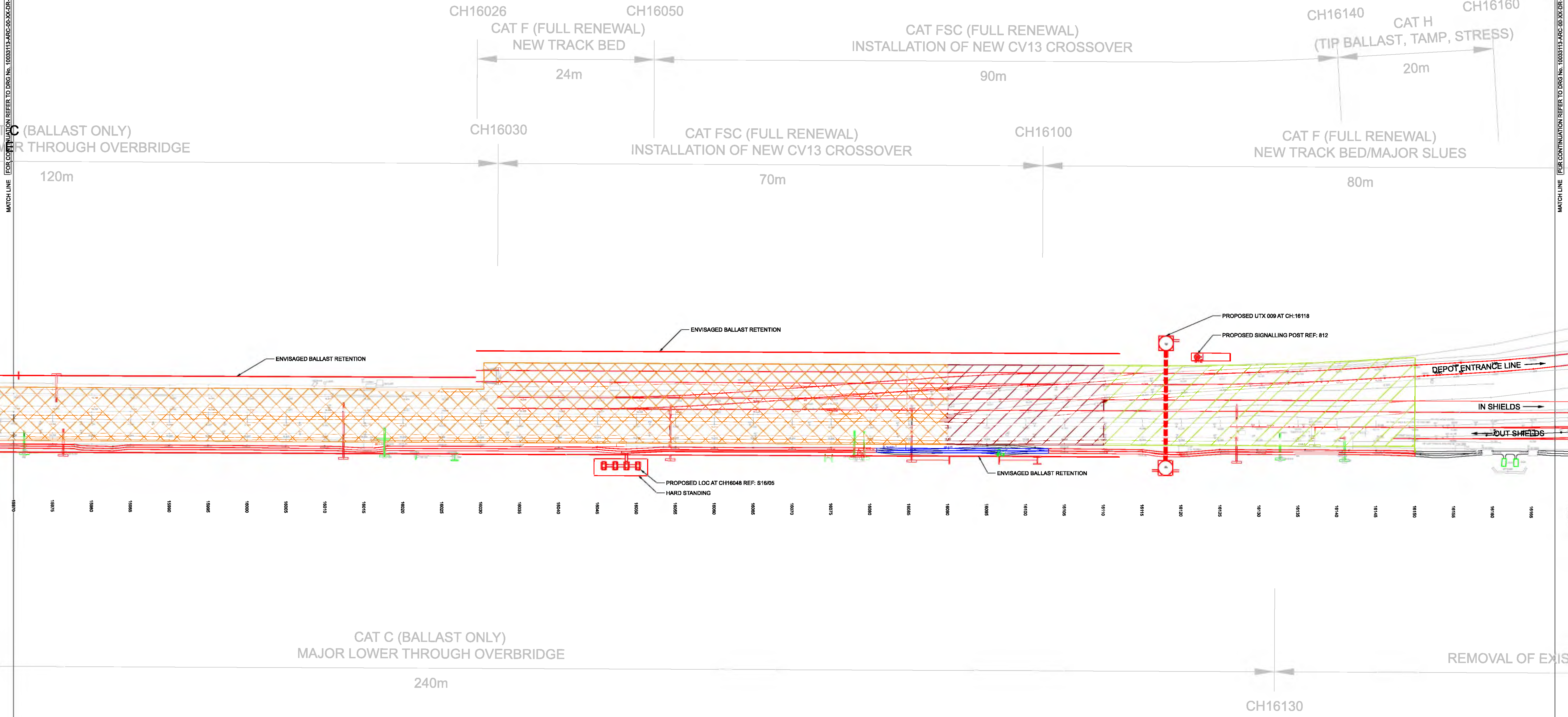
Drawing Number: 10033113-ARC-00-XX-DR-CE-70037
Revision: A01

GENERAL ARRANGEMENT CH15770 - CH15965
1:200



MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70037]

MATCH LINE [FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70038]



NOTES:

- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
- DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
- EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
- PROPOSED LOC, UTX AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRL3/SIG/1103/20056 AND NRL3/CON/5018/01/ REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
- ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
- PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY, REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.


LEGEND:

- EXISTING
 - MODIFIED EXISTING
 - DEMOLISHED / REMOVED EXISTING
 - PROPOSED
- TRACK LOWER OF >150mm AND SLUE OR >=300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.A. THROUGH ROUTES, UTXs AND DRAINAGE.
 - TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED
 - SLUE OF >=300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow



Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Coalbrook Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure







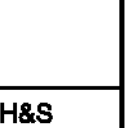
Registered office: 1st Floor, Artemis House, 34 York Way, London N1 9AB

Coordinating office: 1st Floor, Artemis House, Eboracross Way, York YO31 7RE, Tel: +44 (0)1904 380 750

www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	C. Gilbert	27/03/20
Drawn	R. NG	27/03/20
Checked	A. Kitching	27/03/20
Approved	C. Doyle	27/03/20
Scale	1:200	
Original Size	A0	
ELR:	N/A	
Subsidiary Code:	S3	Project Number: 10033113
Subsidiary Description: Fit for Review and Comment NOT FOR CONSTRUCTION		
Drawing Number:	10033113-ARC-00-XX-DR-CE-70038	Revision: A01

HAZARD SUMMARY TABLE		LIFE SAVING RULES	
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS		LIFE SAVING RULES	
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.			
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.			
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SI	BURIED SERVICES PRESENT		
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.		
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE		
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF: 10033113-ARC-XX-ZZ-RP-CE-000001.			

GENERAL ARRANGEMENT CH15970 - CH16165
1:200



HAZARD SUMMARY TABLE		
SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS	LIFE SAVING RULES	
FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT.		
EVERYDAY LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING.		
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM		
SI	BURIED SERVICES PRESENT	
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.	
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE	
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-00-XX-ZZ-RP-CE-000001.		

- NOTES:**
- DESIGN INFORMATION AS PER TOPOGRAPHICAL SURVEY UNDERTAKEN BY PSB IN NOVEMBER 2018. NO WALKTHROUGH SURVEYS HAVE BEEN UNDERTAKEN TO CONFIRM CONDITION OF EXISTING ANCILLARY CIVILS ASSETS.
 - DESIGN CORRELATED WITH THE LATEST PROPOSED DESIGNS OF P.WAY, OLE, SIGNALLING AND TELECOMS AT THE DATE OF PRINTING. REFER TO ASSOCIATED DESIGN DRAWINGS FOR DISCIPLINE SPECIFIC DETAILS.
 - EXCESSIVE VEGETATION IDENTIFIED ADJACENT TO THE RAILWAY. UNKNOWN GRADIENT OF SURROUNDING EARTHWORKS TO BE CONFIRMED PRIOR TO GRIP 6.
 - PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/20056 AND NRI_3/UT/05/01/07. REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
 - ALL DIMENSIONS SHOWN IN MILLIMETRES EXCEPT WHERE IDENTIFIED AND ALL LEVELS ARE SHOWN IN METRES.
 - PROPOSED RETENTION AND EXTENTS SHOWN INDICATIVELY. REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.

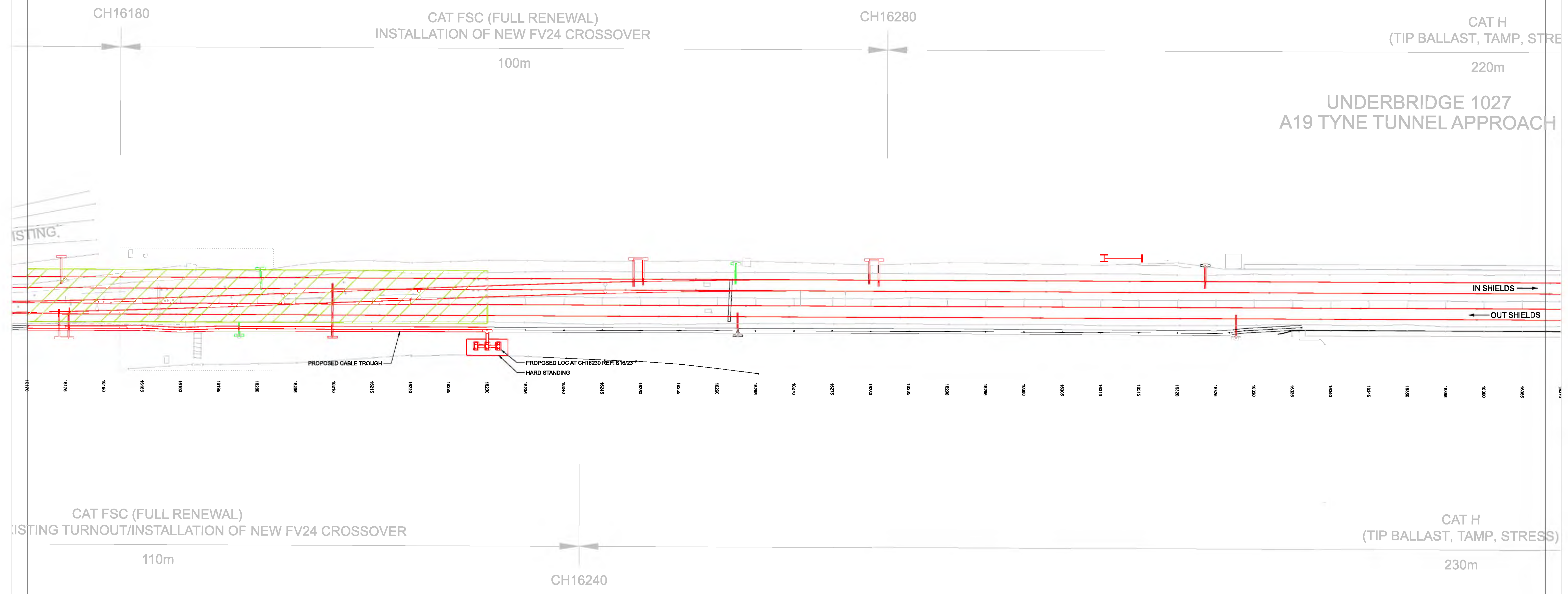
LEGEND:

	- EXISTING
	- MODIFIED EXISTING
	- DEMOLISHED / REMOVED EXISTING
	- PROPOSED

TRACK LOWER OF >150mm AND SLUE OR >=300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED I.A. THROUGH ROUTES, UTxs AND DRAINAGE.

TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED

SLUE OF >=300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION



Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Prelew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
Christon Road
Newcastle, NE3 1XD
+44 (0)19120 220 747
www.nexus.org.uk

ARCADIS Infrastructure & Transport

Registered office:
Arcadis House
34 York Way
London N1 5AB

Coordinating office:
1st Floor, Artemis House
York YO31 7RE
Tel: +44 (0)1904 380 750
www.arcadis.com

TITLE:
NEXUS METRO FLOW
ANCILLARY CIVILS
CABLE MANAGEMENT
PROPOSED CABLE ROUTES

Designed	G. Gilbert	27/03/20
Drawn	R.NG	27/03/20
Checked	A.Kitching	27/03/20
Approved	C.Dayle	27/03/20
Scale:	1:200	Datum: -
Original Size:	A0	Grid: -
ELR:	N/A	Message: N/A
Stability Code:	S3	Project Number: 10033113

Substation Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number:	10033113-ARC-00-XX-DR-CE-70039	Revision:	A01
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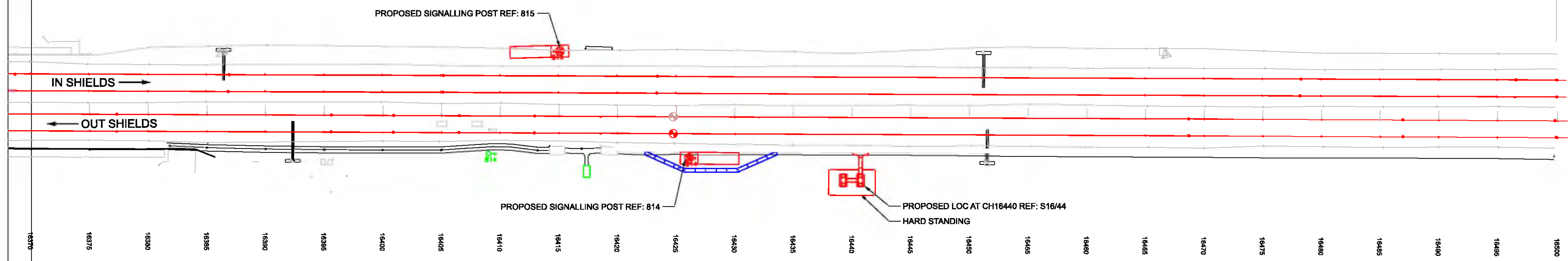
GENERAL ARRANGEMENT CH16170 - CH16365
1:200



MATCH LINE FOR CONTINUATION REFER TO DRG NO. 10033113-ARC-00-XX-DR-CE-70030

RESS)

CH16500



CH16470

S)

GENERAL ARRANGEMENT CH16370 - CH16500

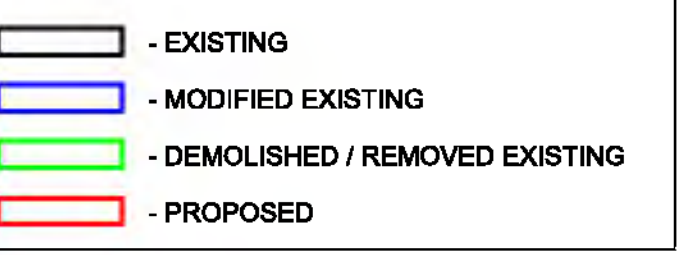
1:200

HAZARD SUMMARY TABLE	
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SI	BURIED SERVICES PRESENT
MI	WORKS ARE TO AN OPERATIONAL PLATFORM. SITE TO BE LEFT CLEAN AND TIDY AT THE END OF EACH SHIFT.
VI	IMPACT OF THE PROPOSED WORKS ON THE EXISTING SUBSTRUCTURE
* FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S H&S RISK ASSESSMENT REF.: 10033113-ARC-XX-ZZ-RP-CE-000001.	

NOTES:

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- PROPOSED LOC, UTILITY AND SIGNALLING ARRANGEMENTS AS PER NETWORK RAIL STANDARD DRAWINGS REF: NRI_3/SIG/1103/20056 AND NRI_3/UT/501/01/01/ REQUIREMENTS OF BESPOKE ARRANGEMENT OR STAGING TO BE IDENTIFIED AT GRIP 5.
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LEGEND:



TRACK LOWER OF >150mm AND SLUIE OR +/->300mm PROPOSED RETENTION SHALL BE REQUIRED AND EXISTING ASSETS AMENDED LA THROUGH ROUTES, UTILITY AND DRAINAGE.

TRACK LOWER OF >150mm PROPOSED RETENTION ONLY, SHALL BE REQUIRED

SLUIE OF +/->300mm PROPOSED EXISTING ASSETS SHALL BE AFFECTED AND REQUIRE RELOCATION

Rev	Date	Description	Drawn	Check	Approv

Client NEXUS

PROJECT: Nexus Metro Flow

Site: Client

Perlew to Jarrow

Nexus Rail Headquarters
Cooforth Industrial Estate
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www.arcadis.com

TITLE: NEXUS METRO FLOW ANCILLARY CIVILS CABLE MANAGEMENT PROPOSED CABLE ROUTES

Designed	G. Gilbert	21/03/20
Drawn	R. NG	21/03/20
Checked	A. Kitching	21/03/20
Approved	C. Doyle	21/03/20

Scale: 1:200 Datum: -
Original Size: A0 Grid: -
EIR: N/A Mstage: N/A
Stability Code: S3 Project Number: 10033113

Stability Description:
Fit for Review and Comment
NOT FOR CONSTRUCTION

Drawing Number: 10033113-ARC-00-XX-DR-CE-70040 Revision: A01

MScang

NEXUS ACCEPTANCE COPY