

LEGEND

PLAN		PROFILE		MAJOR STRUCTURE LOCATION	
	CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE		EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)		MAJOR STRUCTURE LOCATION
	TRIAL PIT		SUBFORMATION EXPECTED TO BE ROCK		COBBLES AND BOULDERS
	WINDOW SAMPLE		PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREAS		PIEZOMETER / STANDPIPE MEASUREMENT
	GEOPHYSICAL PROFILE LINE		PROPOSED ATTENUATION POND		WATER STRIKE
	PROPOSED DEVELOPMENT BOUNDARY		EXISTING GROUND LEVEL		WATER LEVEL 20 MINUTES AFTER STRIKE
	ANTICIPATED ROCK LEVEL		PROPOSED LEVEL		N-VALUE
	CULVERT				

Datum 65.000m

Chainage	Proposed Levels	Existing Levels	Slope Gradient	Ground Treatment / Special Measures	Earthworks Area
0.000	79.321	79.321			
20.000	79.177	79.177			
40.000	79.052	79.052			
60.000	78.987	78.987			
80.000	78.847	78.847			
100.000	78.758	78.687			
120.000	78.643	78.734			
140.000	78.447	78.890			
160.000	78.298	78.090			
180.000	78.125	78.290			
200.000	78.170	78.490			
220.000	78.975	78.690			
240.000	76.590	78.890			
260.000	76.349	80.077			
280.000	76.108	80.225			
300.000	76.127	80.333			
320.000	76.576	80.400			
340.000	76.529	80.428			
360.000	76.135	80.416			
380.000	76.134	80.384			
400.000	76.399	80.272			
420.000	76.717	80.140			
440.000	76.695	79.987			
460.000	76.296	79.755			
480.000	76.251	79.503			
500.000	76.554	79.213			
520.000	77.139	78.915			
530.271	77.480	78.781			

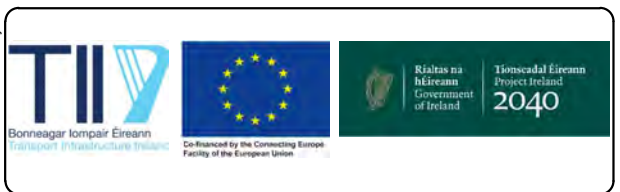
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 MAINLINE 1.1 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

Datum 45.000m

Chainage	Proposed Levels	Existing Levels	Slope Gradient	Ground Treatment / Special Measures	Earthworks Area
0.000	77.482	78.729			
20.000	78.435	78.571			
40.000	78.275	78.414			
60.000	78.015	78.196			
80.000	77.012	77.962			
100.000	76.599	77.728			
120.000	76.551	77.496			
140.000	77.526	77.293			
160.000	78.285	77.091			
180.000	77.977	76.921			
200.000	77.689	76.773			
220.000	78.135	76.647			
240.000	78.743	76.544			
260.000	78.931	76.462			
280.000	79.244	76.402			
300.000	79.420	76.384			
320.000	79.992	76.348			
340.000	80.894	76.354			
360.000	80.573	76.382			
380.000	80.683	76.432			
400.000	80.885	76.504			
420.000	81.279	76.598			
440.000	81.808	76.714			
460.000	82.043	76.852			
480.000	82.146	77.011			
500.000	82.521	77.193			
520.000	82.357	77.397			
540.000	82.094	77.623			
560.000	81.792	77.871			
580.000	82.125	78.140			
600.000	83.353	78.432			
620.000	83.510	78.746			
640.000	84.016	79.092			
660.000	86.392	79.439			
680.000	87.182	79.819			
700.000	87.042	80.220			
720.000	86.867	80.644			
740.000	86.872	81.088			
760.000	86.643	81.511			
780.000	86.639	81.894			
800.000	85.981	82.238			
820.000	84.921	82.541			
840.000	85.262	82.804			
860.000	85.674	83.027			

MAINLINE 1.2 Scale Horiz. 1:500 Vert. 1:2500 @ A1
 MAINLINE 1.2 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

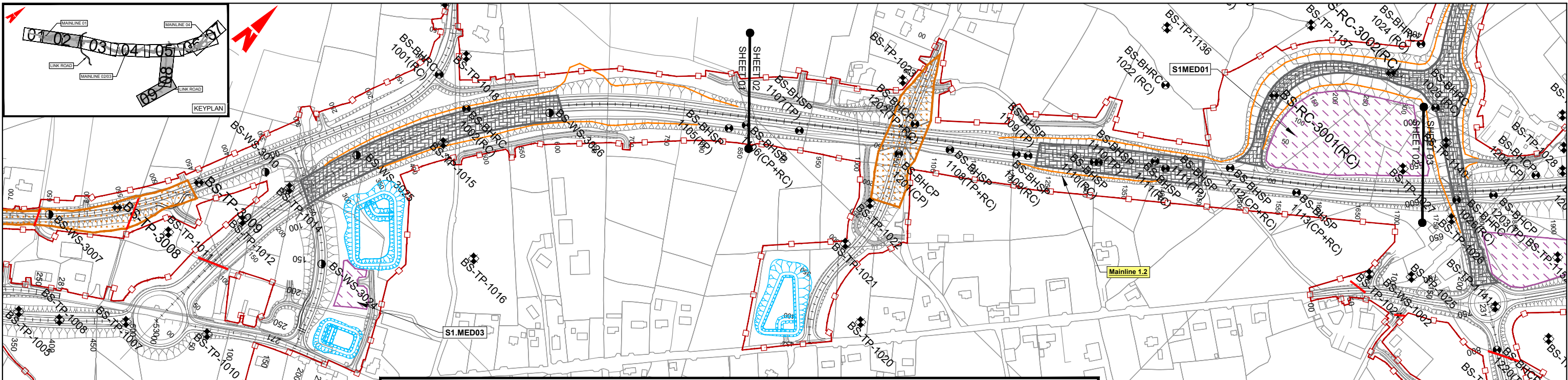
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NOTES
 DO NOT SCALE, use figured dimensions only.
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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	29.10.25	EG	ISSUE FOR PLANNING	KC	EC

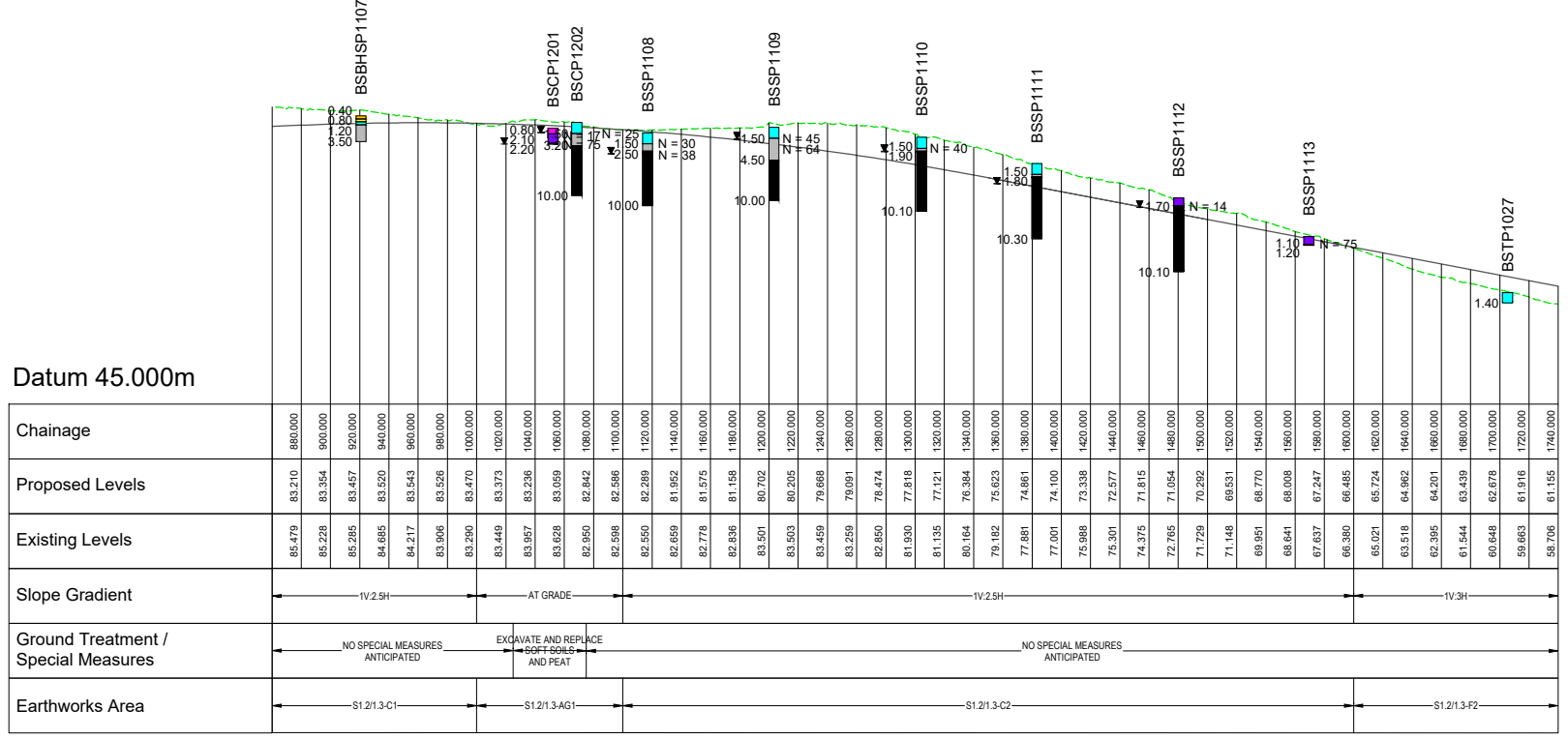
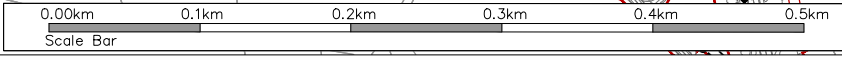
Project Title: TEN-T Priority Route Improvement Project, Donegal Section 1 - N15/N13 Ballybofey / Stranorlar Urban Region		Status: A3
Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (MAINLINE)		Rev: P01
Designed: KC	Date: OCT 2025	EIAR Drawing Identifier: EIAR DRAWING 4.60
Drawn: EG	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 01 of 07	



PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

LEGEND

PLAN		PROFILE	
	CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE		TOPSOIL
	TRIAL PIT		MADE GROUND
	WINDOW SAMPLE		PEAT
	GEOPHYSICAL PROFILE LINE		CLAY
	PROPOSED DEVELOPMENT BOUNDARY		SILT
	ANTICIPATED ROCK LEVEL		SAND
	CULVERT		GRAVEL
	EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)		ROCK
	SUBFORMATION EXPECTED TO BE ROCK		NO RECOVERY
	PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREAS		MAJOR STRUCTURE LOCATION
	PROPOSED ATTENUATION POND		COBBLES AND BOULDERS
			PIEZOMETER / STANDPIPE MEASUREMENT
			WATER STRIKE
			WATER LEVEL 20 MINUTES AFTER STRIKE
			EXISTING GROUND LEVEL
			PROPOSED LEVEL
			N = N-VALUE



MAINLINE 1.2 Scale Horiz. 1:500 Vert. 1:2500 @ A1
 MAINLINE 1.2 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

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Bonnagar Tompar Éireann
 Rialtas na hÉireann
 Government of Ireland
 2040

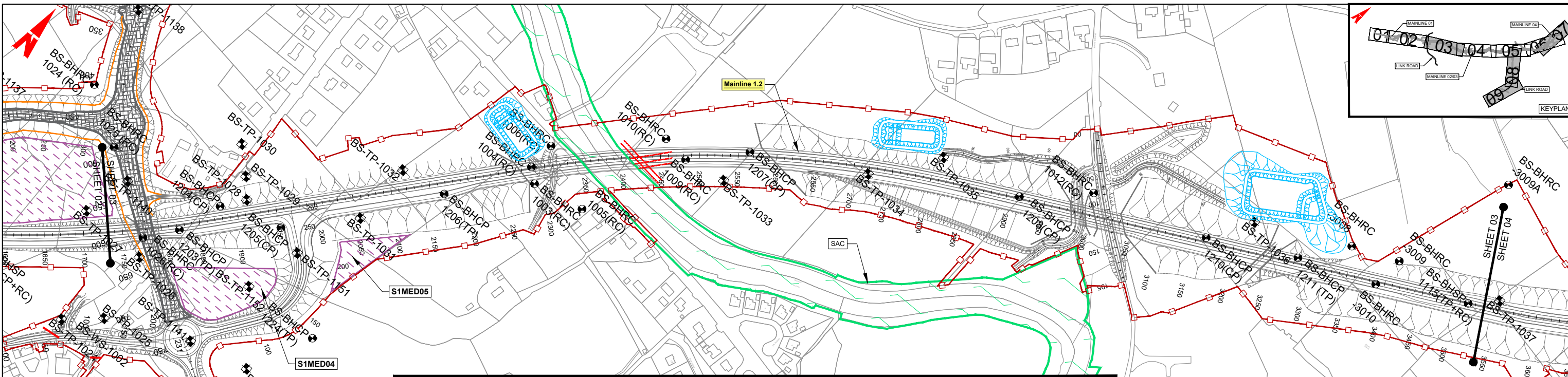
Donegal
 Comhairle Contae Dhún na nGall
 Donegal County Council

RPS BARRY
 TRANSPORTATION

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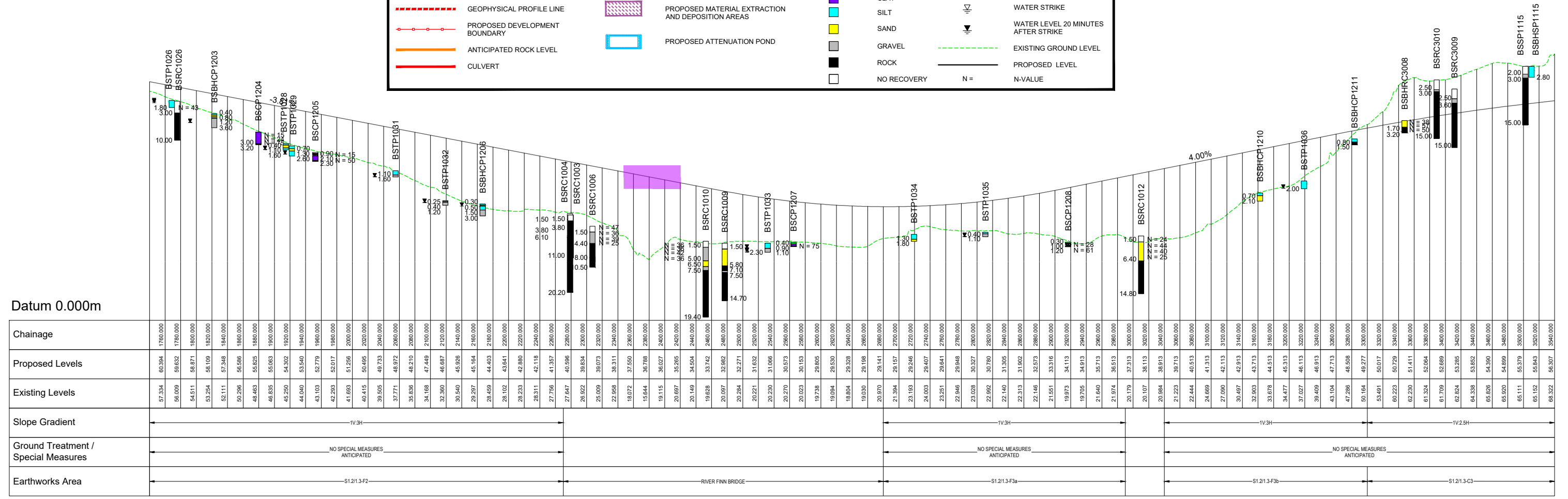
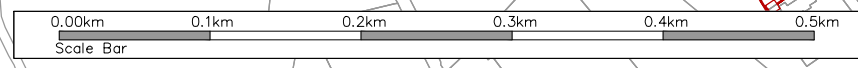
Project Title: TEN-T Priority Route Improvement Project, Donegal Section 1 - N15/N13 Ballybofey / Stranorlar Urban Region
 Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (MAINLINE)
 Status: A3
 Designed: KC
 Drawn: EG
 Approved: EC
 Checked: KC
 Date: OCT 2025
 Scale @ A1: As Shown
 @ A3: As Shown
 Sheet: 02 of 07
 EIA Drawing Identifier: EIA DRAWING 4.60
 File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001



PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

LEGEND

PLAN		PROFILE	
	CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE		TOPSOIL
	TRIAL PIT		MADE GROUND
	WINDOW SAMPLE		PEAT
	GEOPHYSICAL PROFILE LINE		CLAY
	PROPOSED DEVELOPMENT BOUNDARY		SAND
	ANTICIPATED ROCK LEVEL		GRAVEL
	CULVERT		ROCK
	EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)		NO RECOVERY
	SUBFORMATION EXPECTED TO BE ROCK		MAJOR STRUCTURE LOCATION
	PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREAS		COBBLES AND BOULDERS
	PROPOSED ATTENUATION POND		PIEZOMETER / STANDPIPE MEASUREMENT
			WATER STRIKE
			WATER LEVEL 20 MINUTES AFTER STRIKE
			EXISTING GROUND LEVEL
			PROPOSED LEVEL
			N-VALUE



Datum 0.000m

MAINLINE 1.2 Scale Horiz. 1:500 Vert. 1:2500 @ A1
 MAINLINE 1.2 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

NOTES

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P01	29.10.25	EG	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 1 - N15/N13 Ballybofey / Stranorlar Urban Region

Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (MAINLINE)

Designed: KS Date: OCT 2025 EIAI Drawing Identifier: EIAI DRAWING 4.60

Drawn: EG Scale @ A1: As Shown @ A3: As Shown File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001

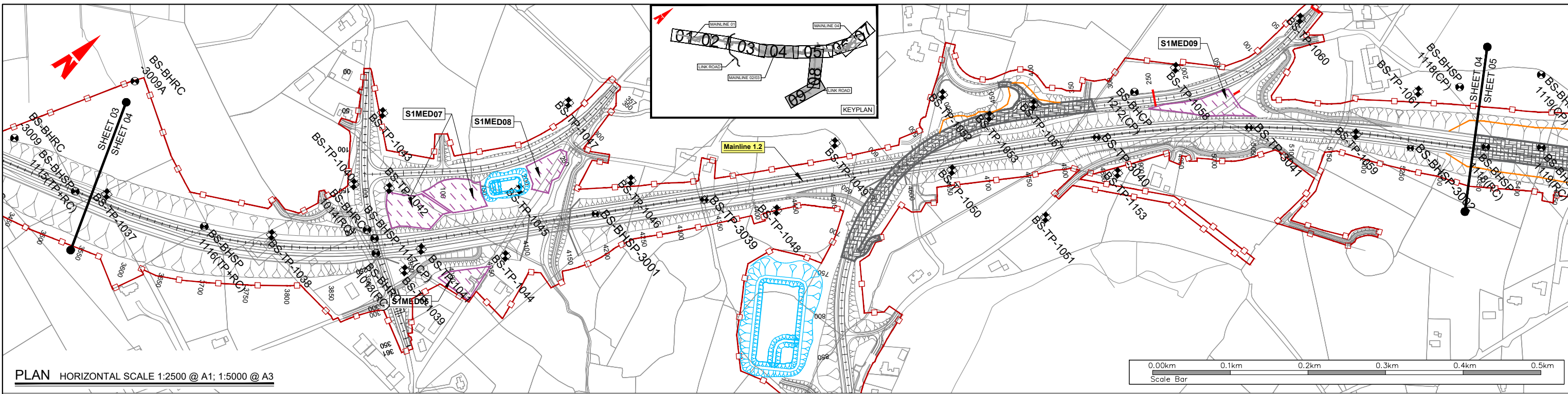
Approved: EC Sheet: 03 of 07

Checked: KC

Status: A3

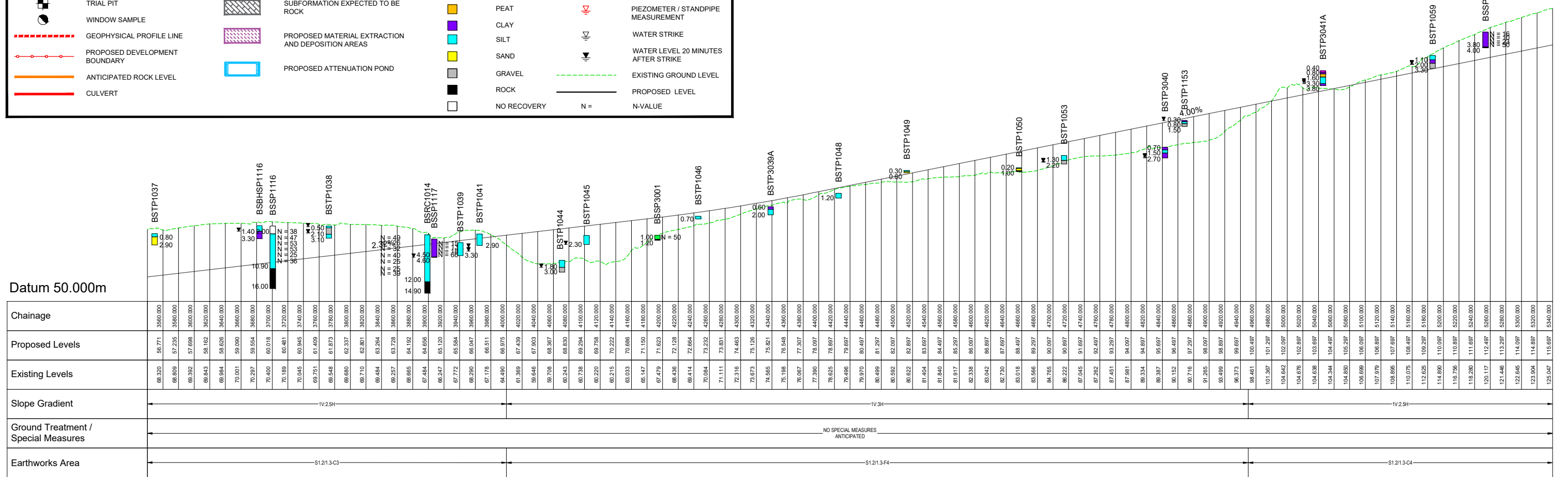
Rev: P01

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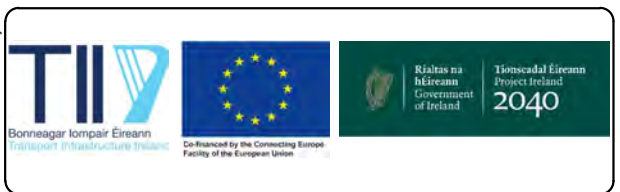


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

PLAN		PROFILE		MAJOR STRUCTURE LOCATION	
	CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE		EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)		MAJOR STRUCTURE LOCATION
	TRIAL PIT		SUBFORMATION EXPECTED TO BE ROCK		COBBLES AND BOULDERS
	WINDOW SAMPLE		PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREAS		PIEZOMETER / STANDPIPE MEASUREMENT
	GEOPHYSICAL PROFILE LINE		PROPOSED ATTENUATION POND		WATER STRIKE
	PROPOSED DEVELOPMENT BOUNDARY		EXISTING GROUND LEVEL		WATER LEVEL 20 MINUTES AFTER STRIKE
	ANTICIPATED ROCK LEVEL		PROPOSED LEVEL		N-VALUE
	CULVERT				



MAINLINE 1.2 Scale Horiz. 1:500 Vert. 1:2500 @ A1
 MAINLINE 1.2 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

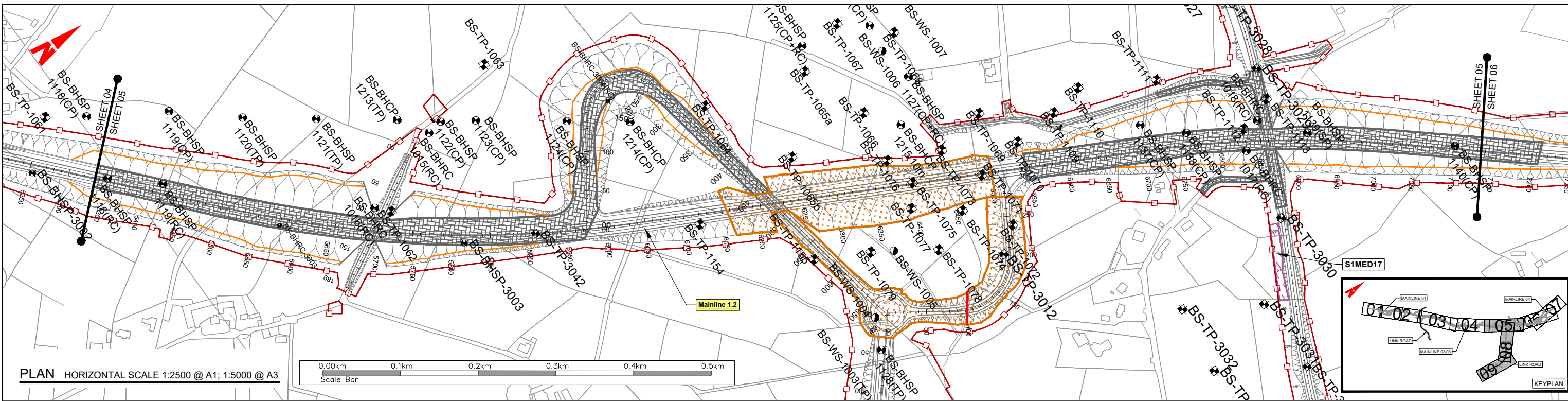


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P01	29.10.25	EG	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 1 - N15/N13 Ballybofey / Stranorlar Urban Region		Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (MAINLINE)		Status: A3
Designed: KC	Date: OCT 2025	Drawn: EG	Scale @ A1: As Shown	Checked: KC
Approved: EC	@ A3: As Shown	File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001	Sheet: 04 of 07	Rev: P01

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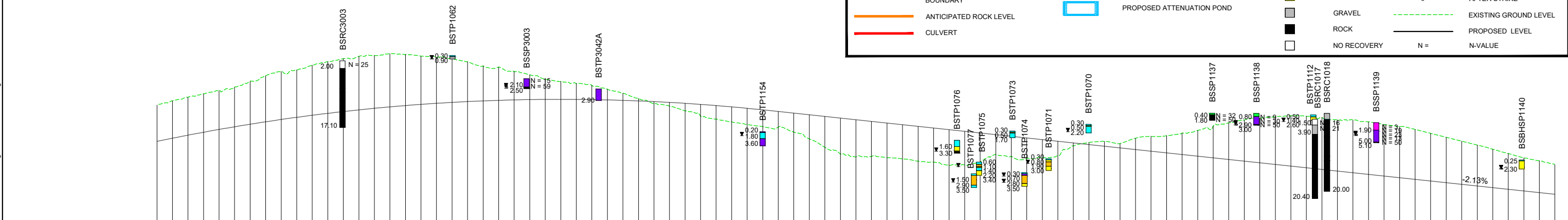


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



LEGEND

PLAN		PROFILE	
	CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE		TOPSOIL
	TRIAL PIT		MADE GROUND
	WINDOW SAMPLE		PEAT
	GEOPHYSICAL PROFILE LINE		CLAY
	PROPOSED DEVELOPMENT BOUNDARY		SILT
	ANTICIPATED ROCK LEVEL		SAND
	CULVERT		GRAVEL
	EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)		ROCK
	SUBFORMATION EXPECTED TO BE ROCK		NO RECOVERY
	PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREAS		MAJOR STRUCTURE LOCATION
	PROPOSED ATTENUATION POND		COBBLES AND BOULDERS
	PIEZOMETER / STANDPIPE MEASUREMENT		WATER STRIKE
	WATER LEVEL 20 MINUTES AFTER STRIKE		EXISTING GROUND LEVEL
	PROPOSED LEVEL		N = N-VALUE



Datum 90.000m

Chainage	Proposed Levels	Existing Levels	Slope Gradient	Ground Treatment / Special Measures	Earthworks Area
5360.000	116.497	126.096	-1V:2.5H	NO SPECIAL MEASURES ANTICIPATED	S1:21.3-C4
5380.000	117.281	127.046			
5400.000	118.032	127.893	-1V:3H	NO SPECIAL MEASURES ANTICIPATED	S1:21.3-F5
5420.000	118.752	128.736			
5440.000	119.440	129.600	-1V:2.5H	NO SPECIAL MEASURES ANTICIPATED	S1:21.3-C5
5460.000	120.096	131.127			
5480.000	120.720	132.639			
5500.000	121.312	133.641			
5520.000	121.872	134.038			
5540.000	122.400	135.275			
5560.000	122.895	136.162			
5580.000	123.359	136.848			
5600.000	123.791	137.538			
5620.000	124.191	137.748			
5640.000	124.559	138.215			
5660.000	124.895	138.027			
5680.000	125.199	137.585			
5700.000	125.471	137.295			
5720.000	125.710	136.910			
5740.000	125.918	136.152			
5760.000	126.094	135.082			
5780.000	126.238	134.776			
5800.000	126.350	133.683			
5820.000	126.430	132.781			
5840.000	126.478	131.607			
5860.000	126.494	131.086			
5880.000	126.477	130.885			
5900.000	126.429	130.133			
5920.000	126.349	129.094			
5940.000	126.237	128.083			
5960.000	126.093	126.895			
5980.000	125.917	125.478			
6000.000	125.709	124.703			
6020.000	125.469	123.528			
6040.000	125.196	122.165			
6060.000	124.892	121.389			
6080.000	124.556	120.666			
6100.000	124.188	120.017			
6120.000	123.788	119.479			
6140.000	123.364	119.947			
6160.000	122.938	118.093			
6180.000	122.513	116.832			
6200.000	122.087	114.153			
6220.000	121.661	112.415			
6240.000	121.236	111.741			
6260.000	120.810	111.484			
6280.000	120.385	111.550			
6300.000	119.959	111.193			
6320.000	119.534	110.610			
6340.000	119.108	110.376			
6360.000	118.682	109.653			
6380.000	118.257	109.587			
6400.000	117.831	110.400			
6420.000	117.406	112.304			
6440.000	116.980	111.831			
6460.000	116.555	111.309			
6480.000	116.129	111.917			
6500.000	115.703	111.078			
6520.000	115.278	114.493			
6540.000	114.852	115.427			
6560.000	114.427	115.882			
6580.000	114.001	115.136			
6600.000	113.575	116.485			
6620.000	113.150	116.865			
6640.000	112.724	117.141			
6660.000	112.299	117.830			
6680.000	111.873	118.527			
6700.000	111.448	119.644			
6720.000	111.022	120.477			
6740.000	110.596	121.166			
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6780.000	109.745	122.055			
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6940.000	106.341	119.823			
6960.000	105.915	118.764			
6980.000	105.489	117.741			
7000.000	105.064	116.738			
7020.000	104.638	115.746			
7040.000	104.213	114.753			
7060.000	103.787	113.679			
7080.000	103.362	112.866			
7100.000	102.936	111.457			
7120.000	102.510	110.728			
7140.000	102.085	109.709			

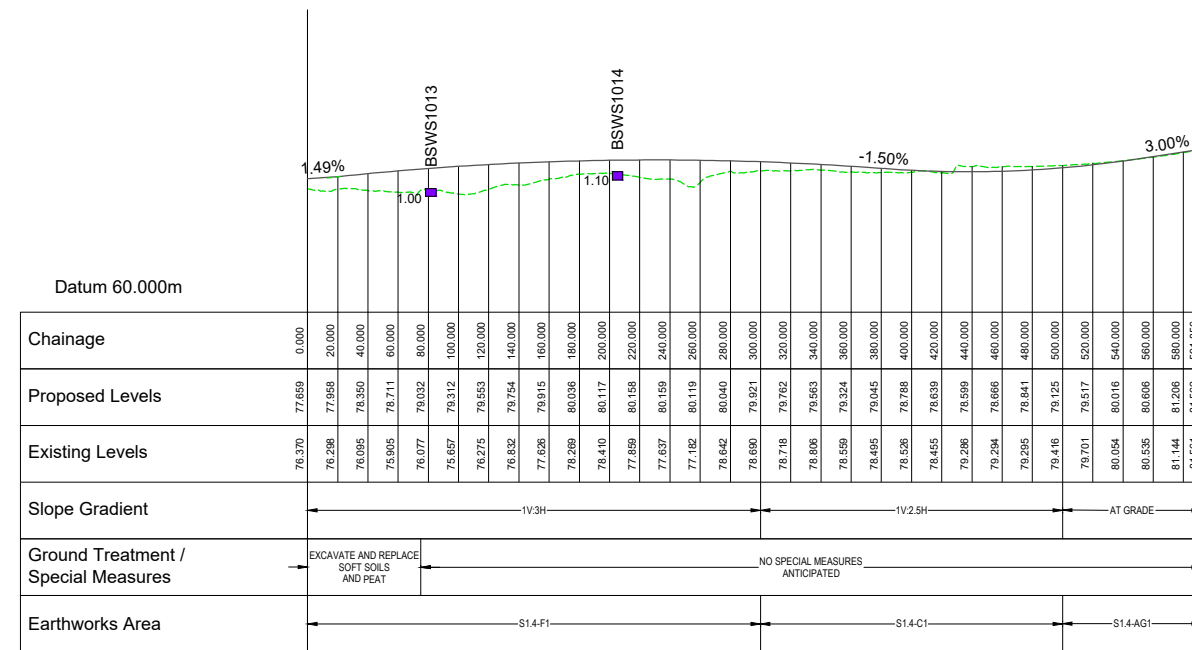
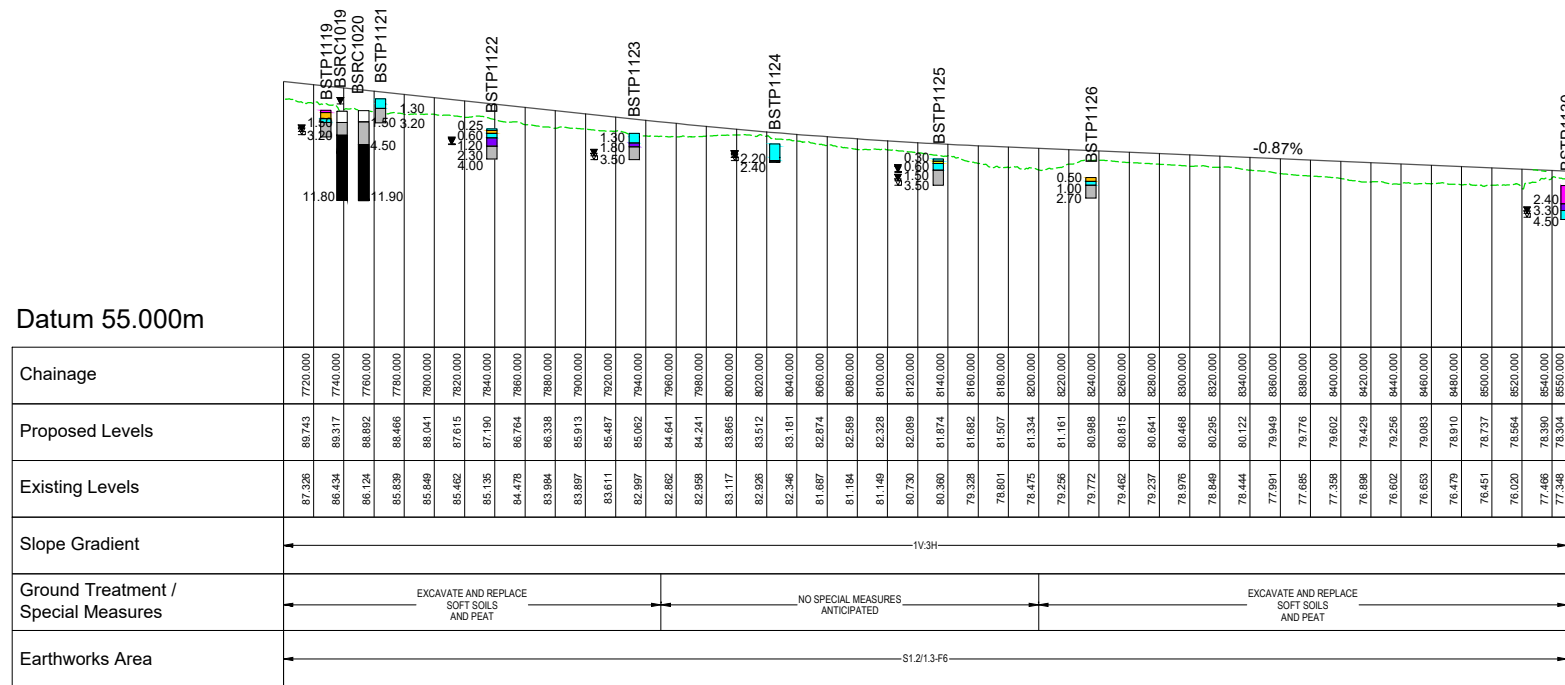
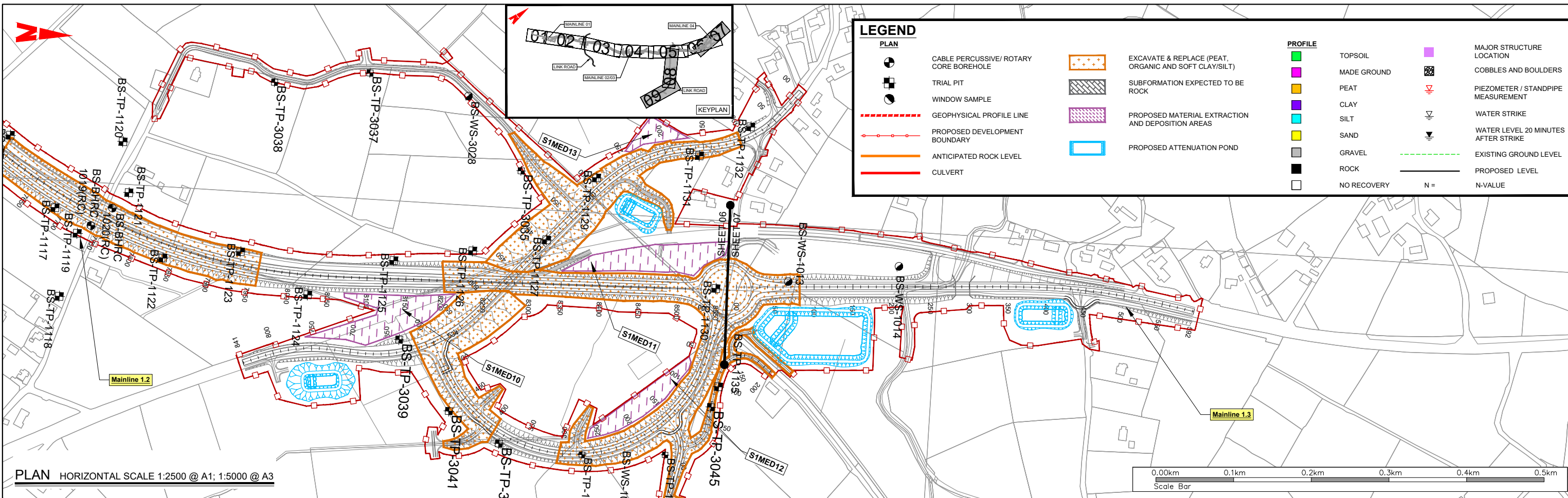
MAINLINE 1.2 Scale Horiz. 1:500 Vert. 1:2500 @ A1
 MAINLINE 1.2 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

NOTES
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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	29.10.25	EG	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 1 - N15/N13 Ballybofey / Stranorlar Urban Region
 Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (MAINLINE)
 Status: A3
 Designed: KC Date: OCT 2025 EIA Drawing Identifier: EIAR DRAWING 4.60
 Drawn: EG Scale @ A1: As Shown @ A3: As Shown File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001
 Approved: EC Sheet: 05 of 07
 Checked: KC

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Designed: KC	Date: OCT 2025	EIAR Drawing Identifier: EIAR DRAWING 4.60
Drawn: EG	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S1-DR-C-GI0001
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 07 of 07	