

**NOTES**

DO NOT SCALE, use figured dimensions only.

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Rev.	Date	Drawn	Description	Chkd	Appr.
P01	04.11.25	AB	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham

Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)

Status: A3

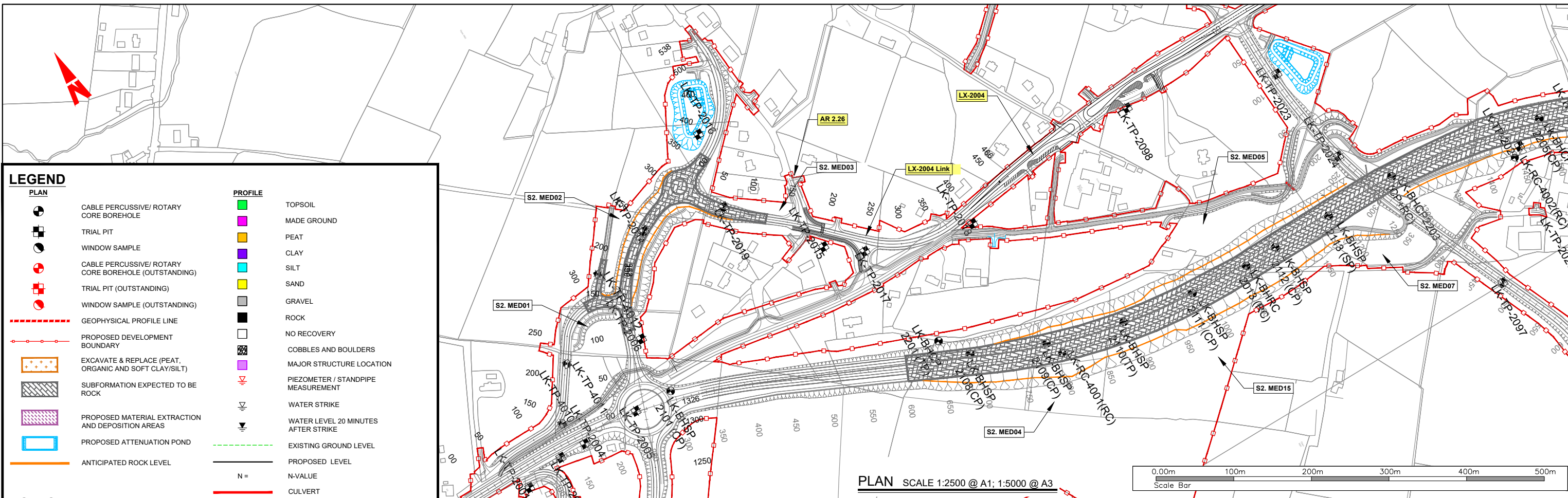
Designed: KC Date: NOV 2025 EIA Drawing Identifier: EIAR DRAWING 4.68

Drawn: AB Scale @ A1: As Shown @ A3: As Shown File Identifier: TT\_MGT0337-RPS-P3-S2-DR-C-GI0002

Approved: EC @ A3: As Shown Sheet: 03 of 16

Checked: KC

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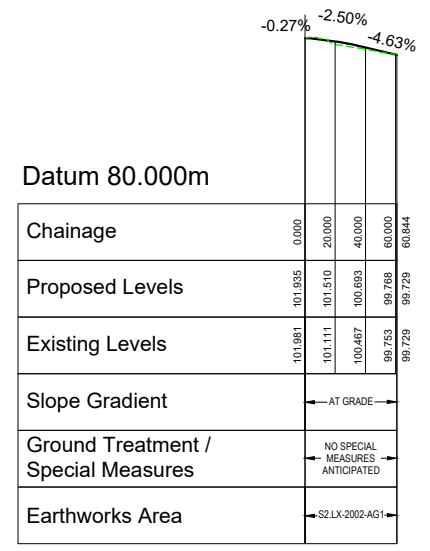


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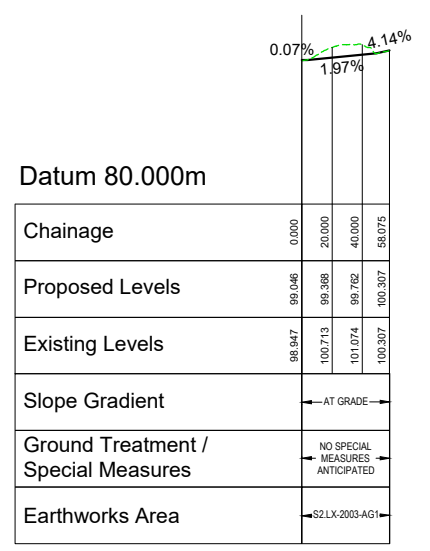
PLAN	PROFILE

**NOTES**

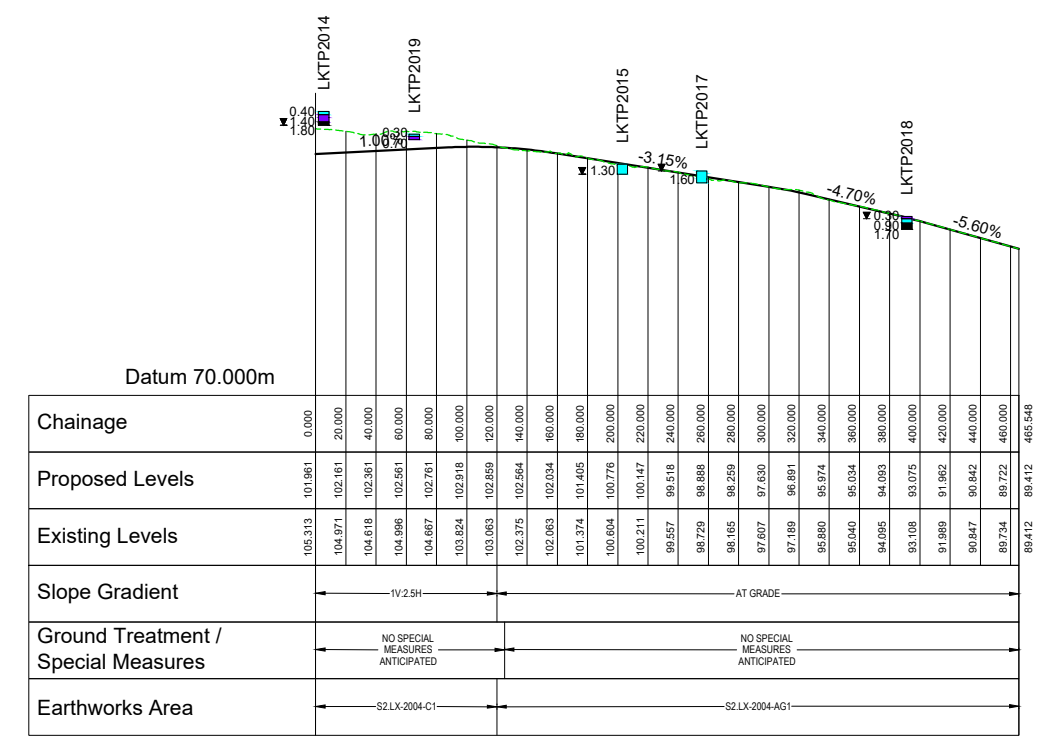
- EXCAVATE AND REPLACE AREAS ARE INDICATIVE ONLY AND OVERDIG EXTENTS ARE NOT SHOWN ON THESE DRAWINGS.



AR 2.26 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 AR 2.26 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



LX 2004 LINK Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 LX 2004 LINK Scale Horiz. 1:1000 Vert. 1:5000 @ A3



LX 2004 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 LX 2004 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

T:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\Phase 3\GITTT\_MGT0337-RPS-P3-DR-C-GI0002 Section 2 Ground Investigation & Earthworks.dwg

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Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)

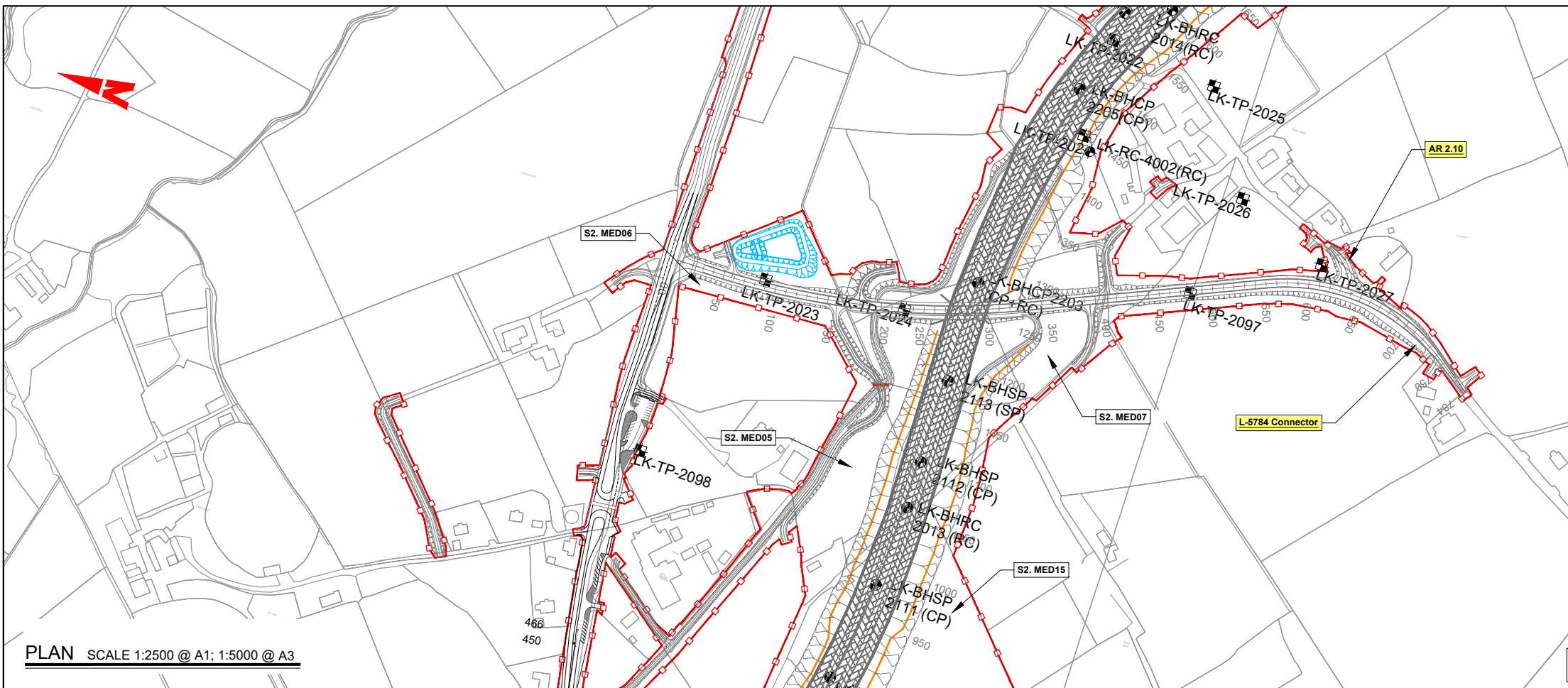
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Approved: EC Sheet: 04 of 16

Checked: KC



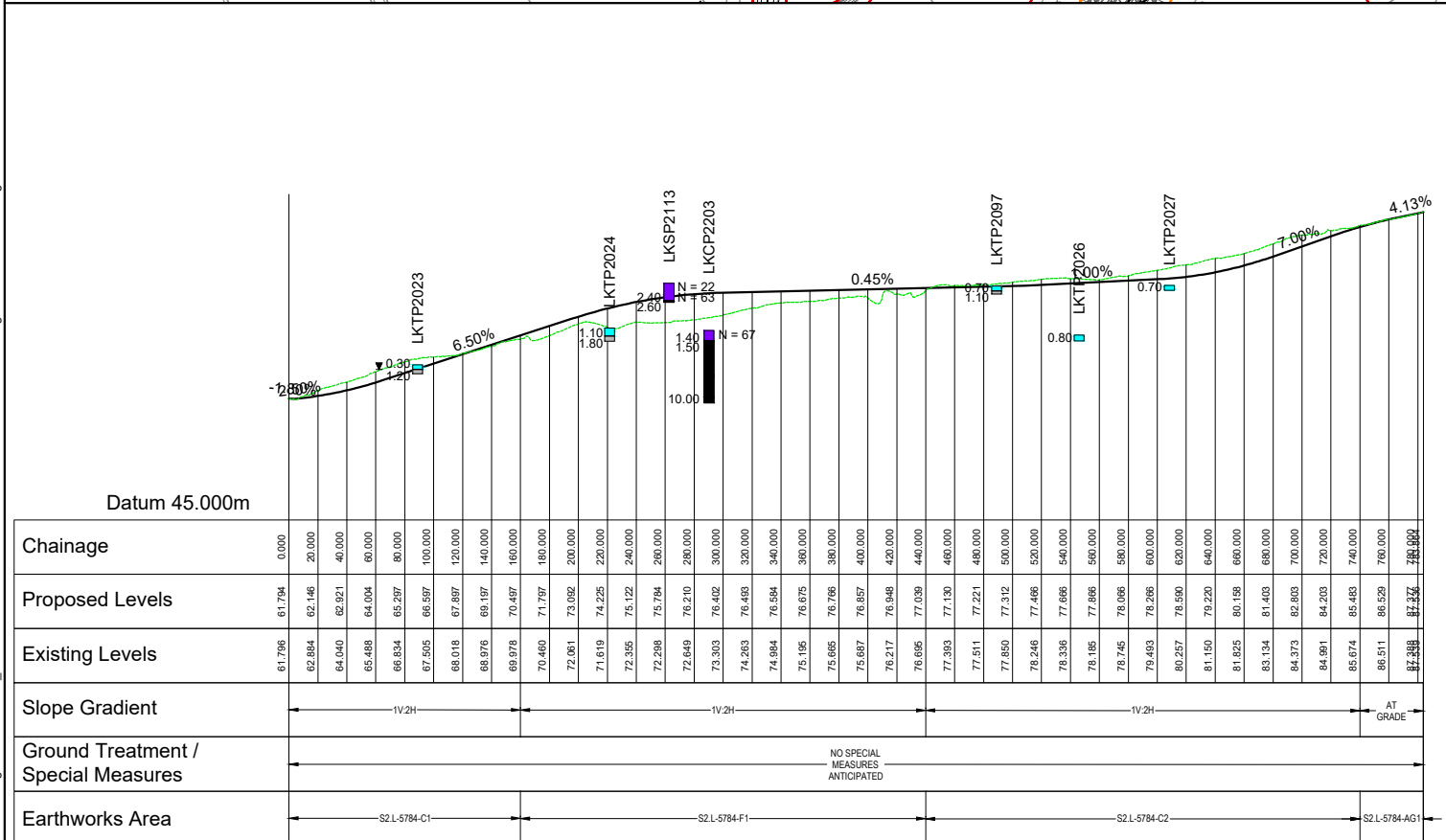
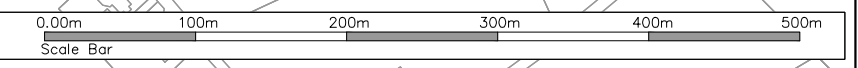
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PLAN	PROFILE

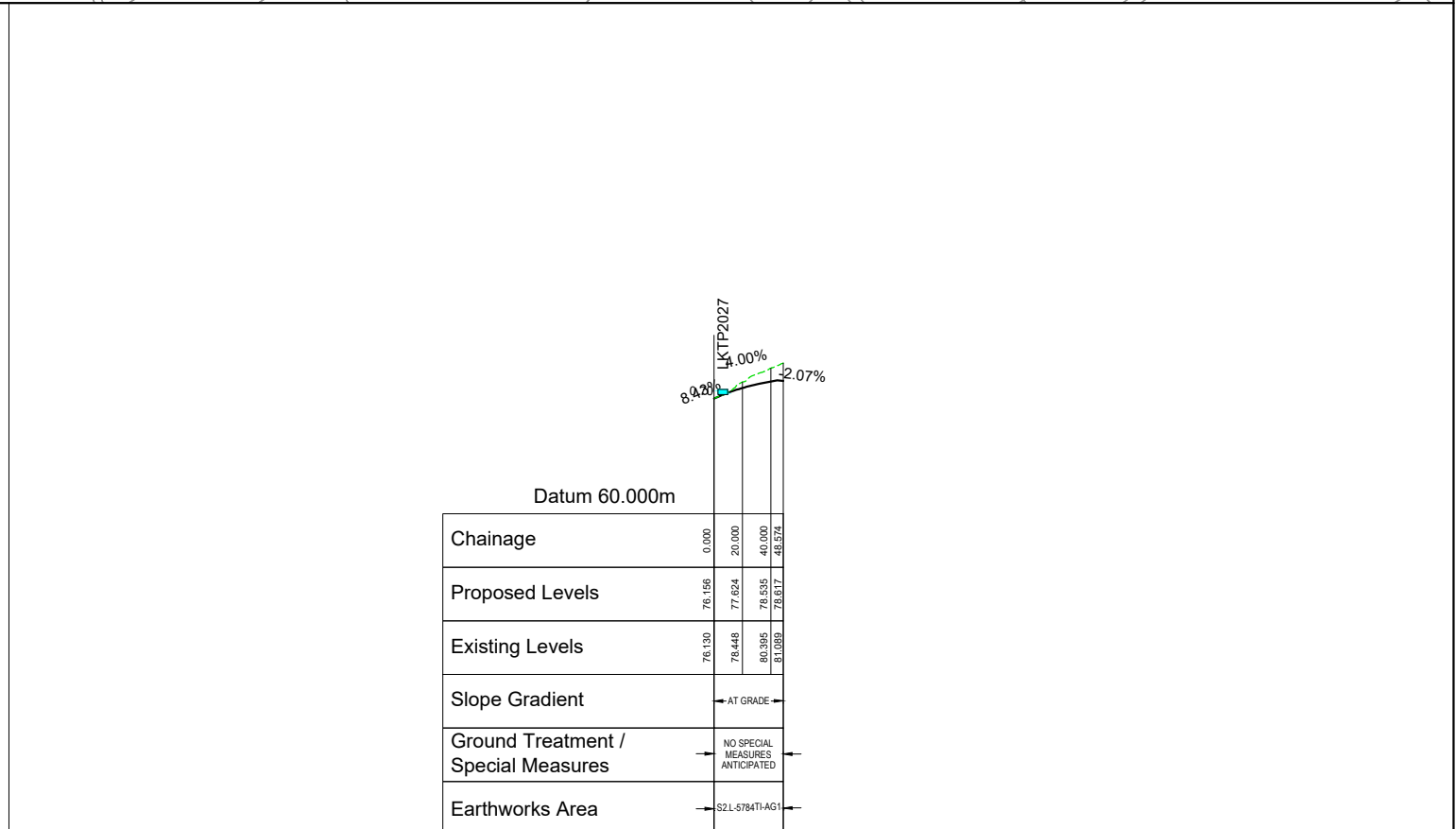
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PLAN SCALE 1:2500 @ A1; 1:5000 @ A3



L-5784 CONNECTOR Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 L-5784 CONNECTOR Scale Horiz. 1:1000 Vert. 1:5000 @ A3



AR 2.10 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 AR 2.10 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



**NOTES**

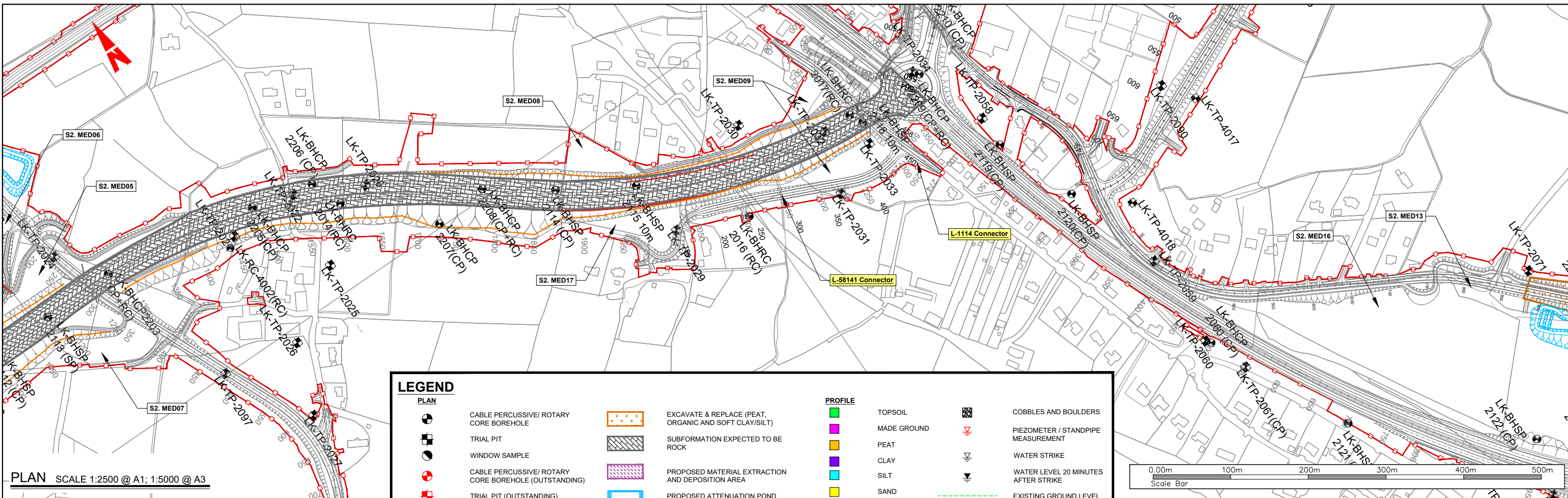
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Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham		Status: A3
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Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68
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Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 05 of 16	

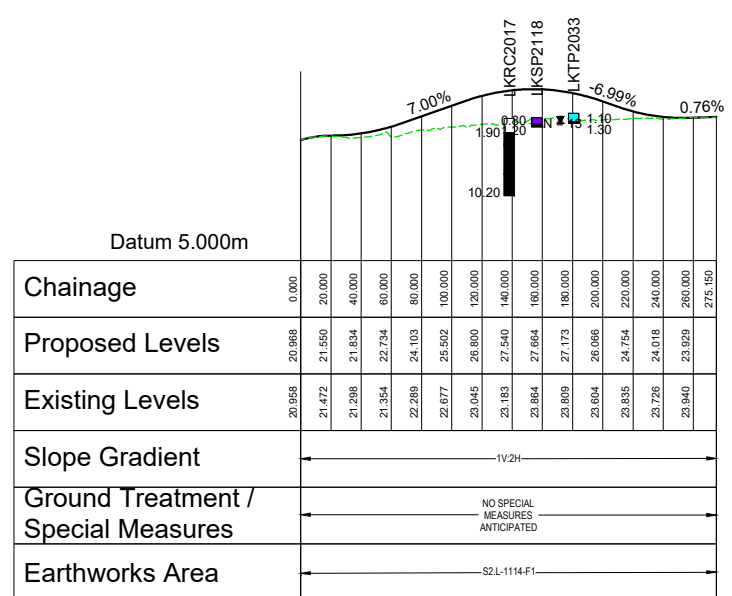


PLAN SCALE 1:2500 @ A1; 1:5000 @ A3

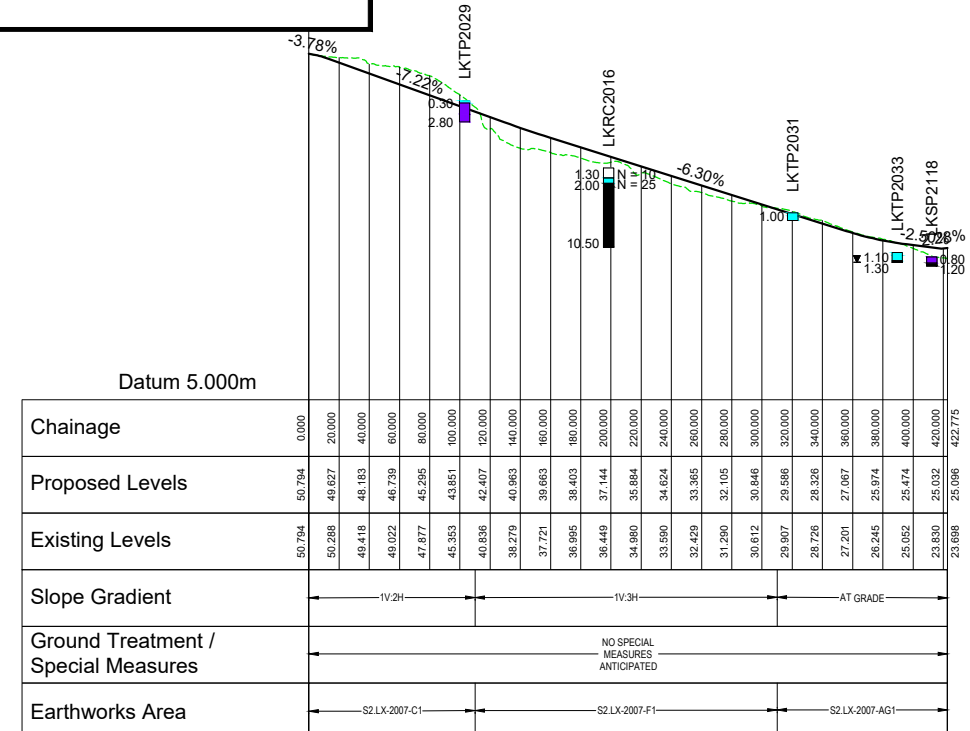
### LEGEND

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

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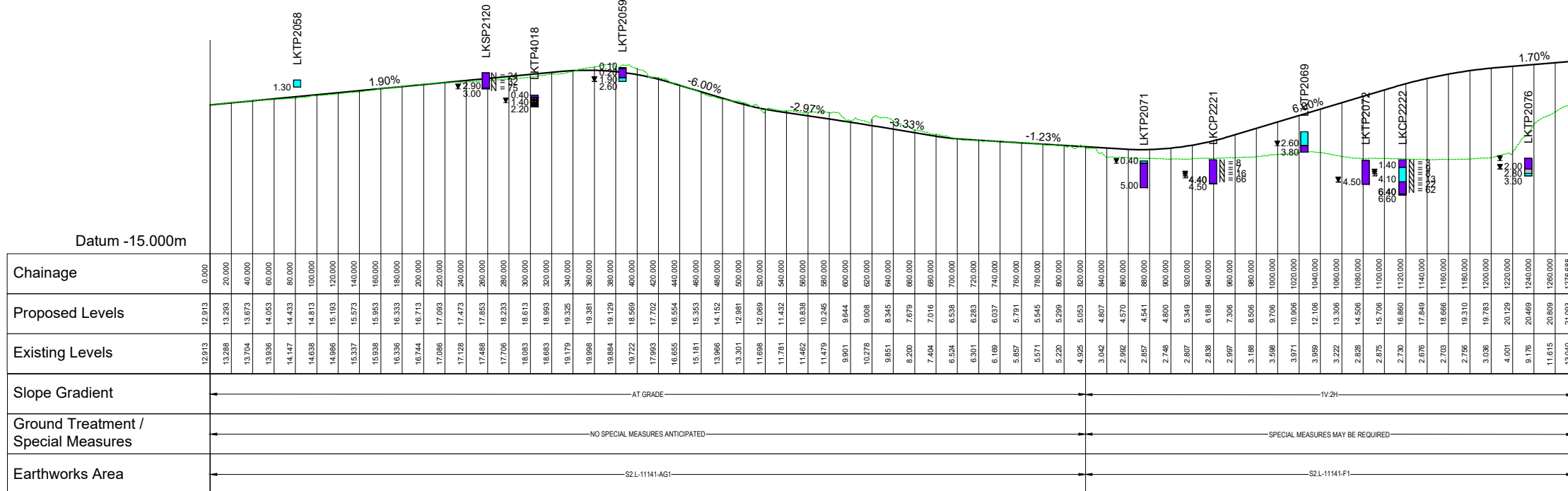
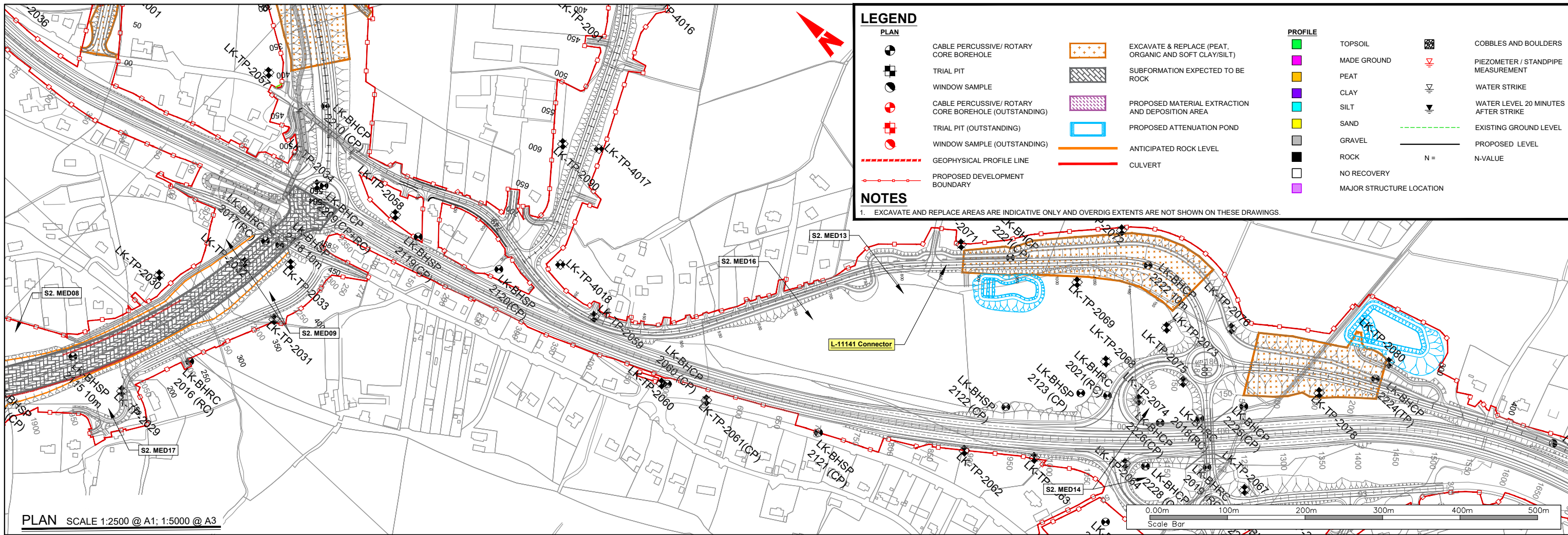
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L-1114 CONNECTOR Scale Horiz. 1:1000 Vert. 1:5000 @ A3



L-58141 CONNECTOR Scale Horiz. 1:500 Vert. 1:2500 @ A1  
L-58141 CONNECTOR Scale Horiz. 1:1000 Vert. 1:5000 @ A3

T:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\Phase 3\INTT\_MGT0337-RPS-P3-S2-DR-C-GI0002 Section 2 Ground Investigation & Earthworks.dwg

				<p>NOTES</p> <p>DO NOT SCALE, use figured dimensions only.</p> <p>All levels are referred to Ordnance Survey Datum, Malin Head.</p> <p>This drawing is the property of the Donegal County Council. It is a confidential document and must not be copied, used, or its contents divulged without prior written consent. This document should not be relied on or used in circumstances other than those for which it was originally prepared. RPS / Barry Transportation accepts no responsibility for this document to any other party other than the party by whom it was commissioned.</p>		<table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>Drawn</th> <th>Description</th> <th>Chk'd</th> <th>Appr.</th> </tr> </thead> <tbody> <tr> <td>P01</td> <td>04.11.25</td> <td>AB</td> <td>ISSUE FOR PLANNING</td> <td>KC</td> <td>EC</td> </tr> </tbody> </table>		Rev.	Date	Drawn	Description	Chk'd	Appr.	P01	04.11.25	AB	ISSUE FOR PLANNING	KC	EC	<p>Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham</p> <p>Drawing Title: GROUND INVESTIGATION &amp; EARTHWORKS PLAN &amp; PROFILE (SIDE ROADS)</p> <p>Designed: KC Date: NOV 2025          Drawn: AB Scale @ A1: As Shown          Approved: EC @ A3: As Shown          Checked: KC Sheet: 06 of 16</p> <p>EIAR Drawing Identifier: EIAR DRAWING 4.68          File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002</p>		<p>Status: A3</p> <p>Rev: P01</p>
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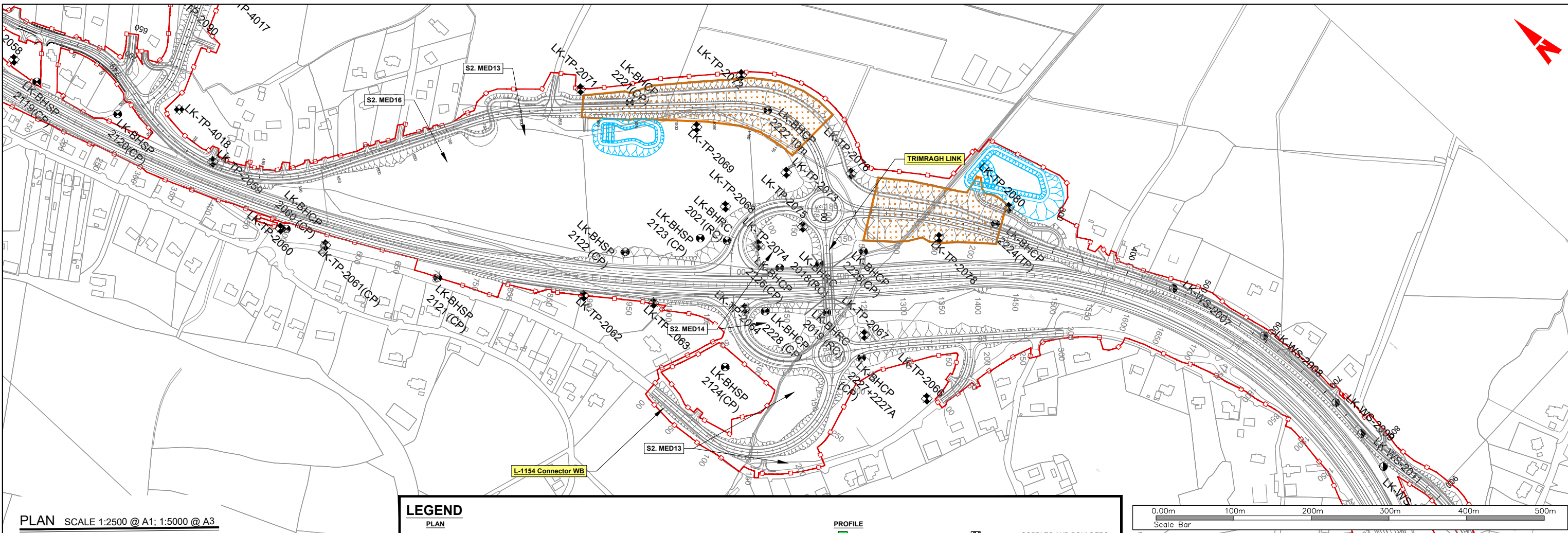
**Status:** A3

**Designed:** KC **Date:** NOV 2025 **EIAR Drawing Identifier:** EIAR DRAWING 4.68

**Drawn:** AB **Scale @ A1:** As Shown **@ A3:** As Shown **File Identifier:** TT\_MGT0337-RPS-P3-S2-DR-C-GI0002

**Approved:** EC **Sheet:** 07 of 16

**Checked:** KC



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

**LEGEND**

**PLAN**

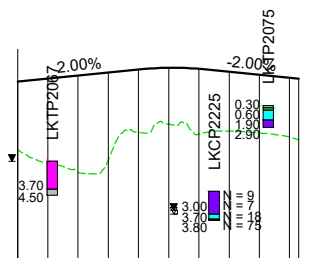
- CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE
- TRIAL PIT
- WINDOW SAMPLE
- CABLE PERCUSSIVE/ ROTARY CORE BOREHOLE (OUTSTANDING)
- TRIAL PIT (OUTSTANDING)
- WINDOW SAMPLE (OUTSTANDING)
- GEOPHYSICAL PROFILE LINE
- PROPOSED DEVELOPMENT BOUNDARY
- EXCAVATE & REPLACE (PEAT, ORGANIC AND SOFT CLAY/SILT)
- SUBFORMATION EXPECTED TO BE ROCK
- PROPOSED MATERIAL EXTRACTION AND DEPOSITION AREA
- PROPOSED ATTENUATION POND
- ANTICIPATED ROCK LEVEL
- CULVERT

**PROFILE**

- TOPSOIL
- MADE GROUND
- PEAT
- CLAY
- SILT
- SAND
- GRAVEL
- ROCK
- NO RECOVERY
- MAJOR STRUCTURE LOCATION
- COBBLES AND BOULDERS
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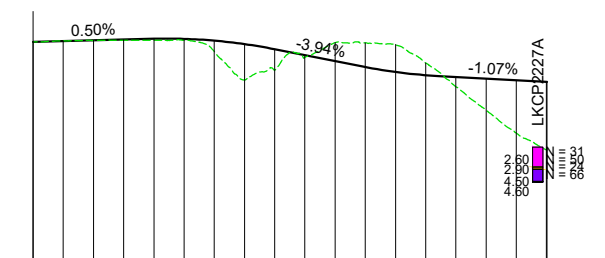
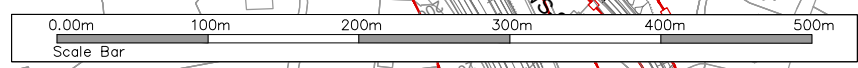
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Chainage	Proposed Levels	Existing Levels	Slope Gradient	Ground Treatment / Special Measures	Earthworks Area
0.000	20.707	11.652	1V:2H	NO SPECIAL MEASURES ANTICIPATED	S2 TL-F1
20.000	21.107	9.608			
40.000	21.507	8.719			
60.000	21.907	10.306			
80.000	22.307	14.045			
100.000	22.556	15.083			
120.000	22.409	13.767			
140.000	22.012	14.186			
160.000	21.612	13.925			
180.000	21.212	13.376			
185.957	21.000	13.040			

TRIMRAGH LINK Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 TRIMRAGH LINK Scale Horiz. 1:1000 Vert. 1:5000 @ A3



Chainage	Proposed Levels	Existing Levels	Slope Gradient	Ground Treatment / Special Measures	Earthworks Area
0.000	26.000	25.962	AT GRADE	EXCAVATE AND REPLACE SOFT SOILS AND PEAT	S2 L-1154W-AG1
20.000	26.100	26.143			
40.000	26.200	26.185	1V:2H		S2 L-1154W-F1
60.000	26.300	26.204			
80.000	26.400	26.207	1V:2.5H		S2 L-1154W-C1
100.000	26.389	26.203			
120.000	26.196	24.689	1V:2H		S2 L-1154W-F2
140.000	25.702	20.960			
160.000	25.026	22.245			
180.000	24.238	23.950			
200.000	23.451	25.894			
220.000	22.665	25.873			
240.000	22.011	25.649			
260.000	21.586	23.184			
280.000	21.352	20.052			
300.000	21.138	16.963			
320.000	20.924	13.905			
340.200	20.700	11.085			

L-1154 CONNECTOR WB Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 L-1154 CONNECTOR WB Scale Horiz. 1:1000 Vert. 1:5000 @ A3

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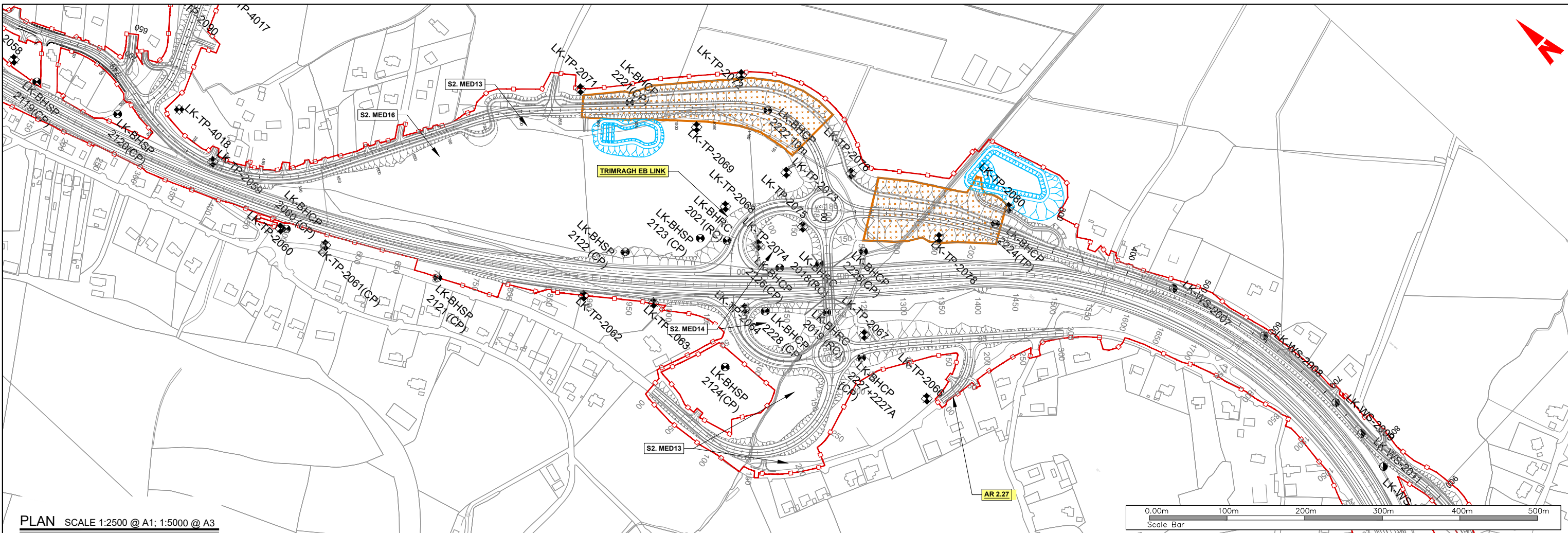
All levels are referred to Ordnance Survey Datum, Main Head.

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Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham		Status: A3
Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)		Rev: P01
Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68
Drawn: AB	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 08 of 16	





**LEGEND**

**PLAN**

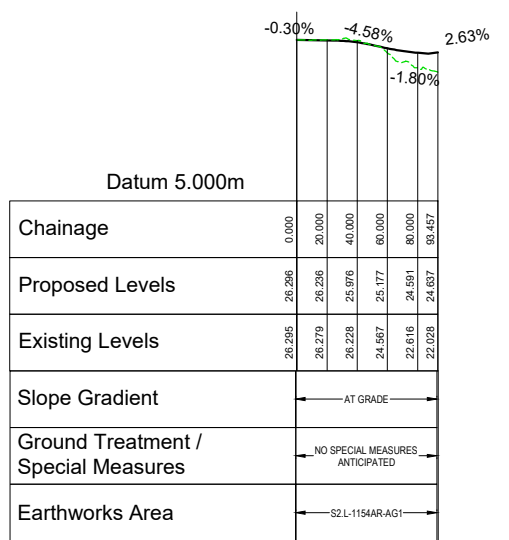
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**PROFILE**

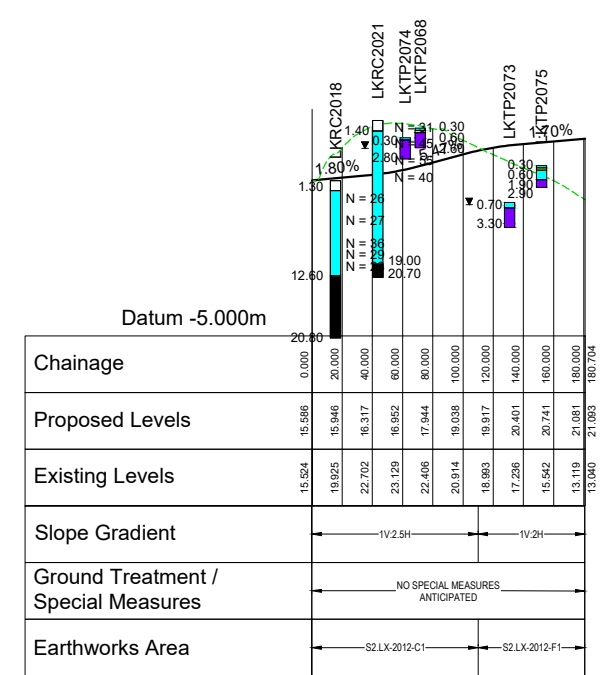
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Bonneagar Iompar Éireann  
 Rialtas na hÉireann  
 Government of Ireland  
 2040

Donegal NRO  
 Comhairle Contae Dhún na nGall  
 Donegal County Council

RPS BARRY TRANSPORTATION

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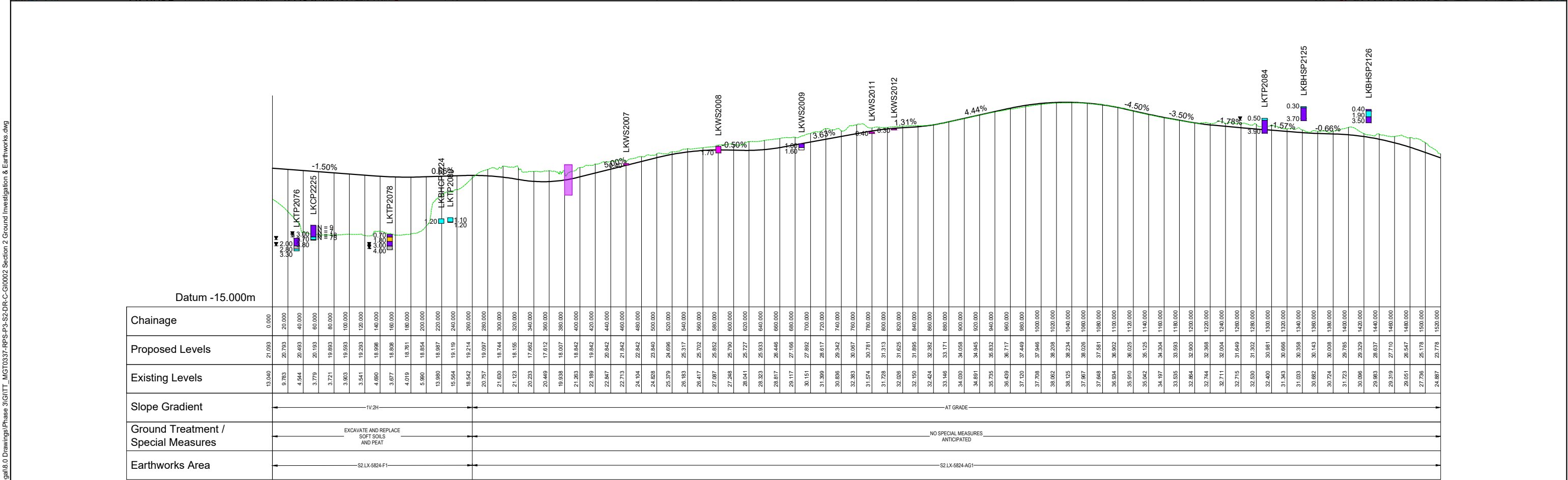
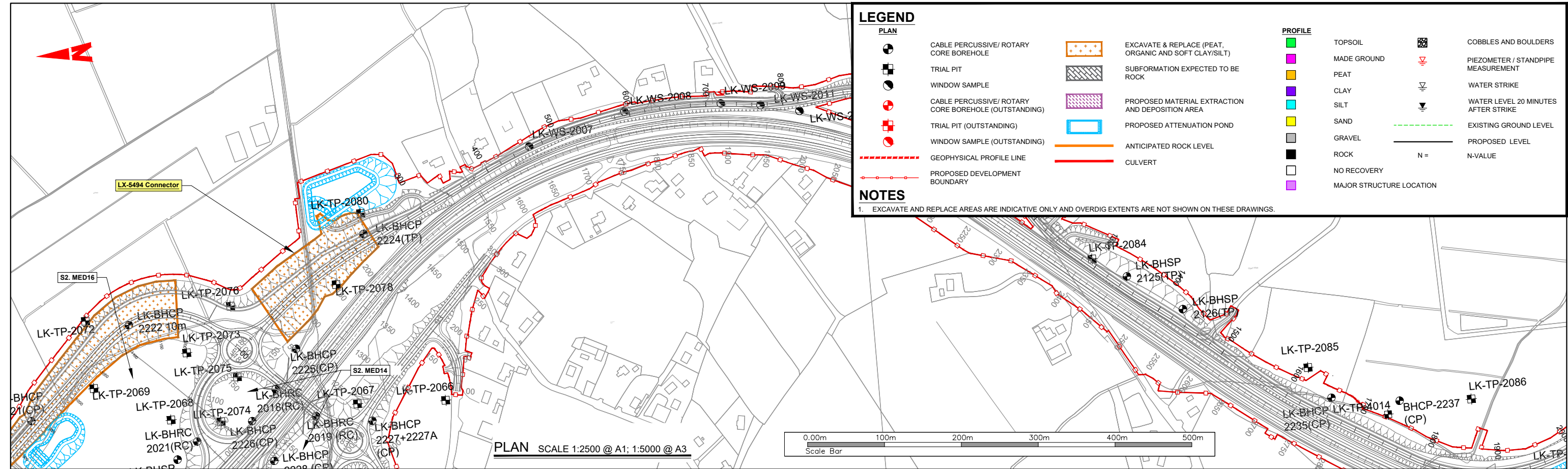
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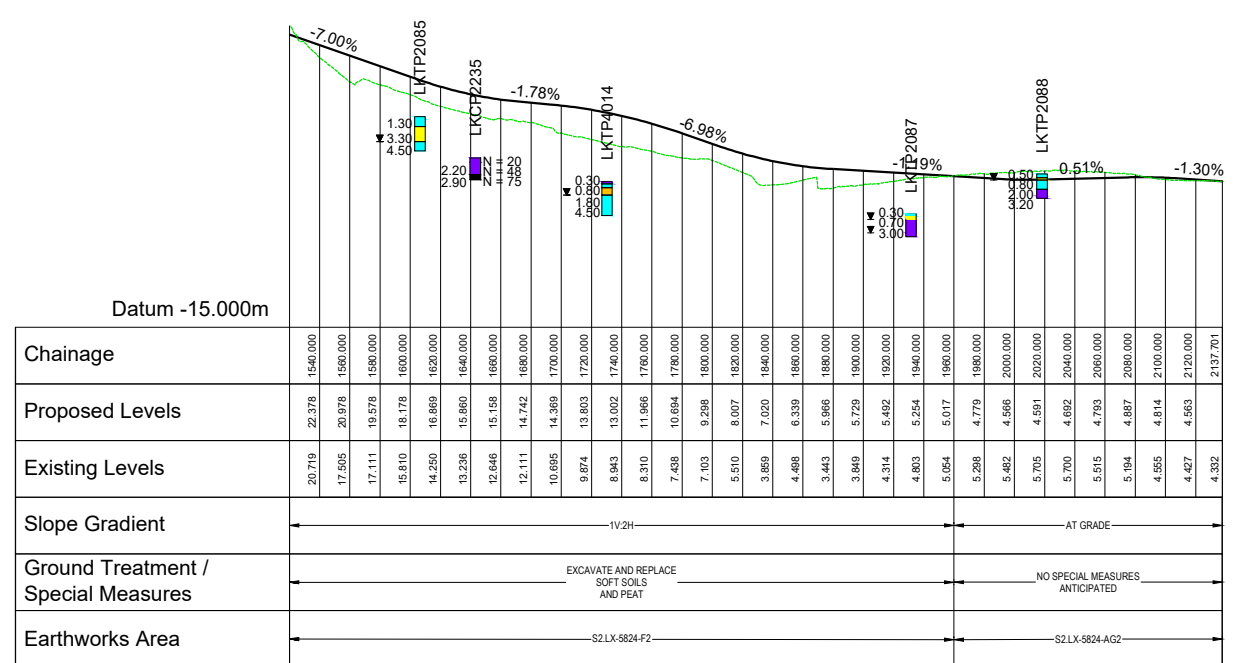
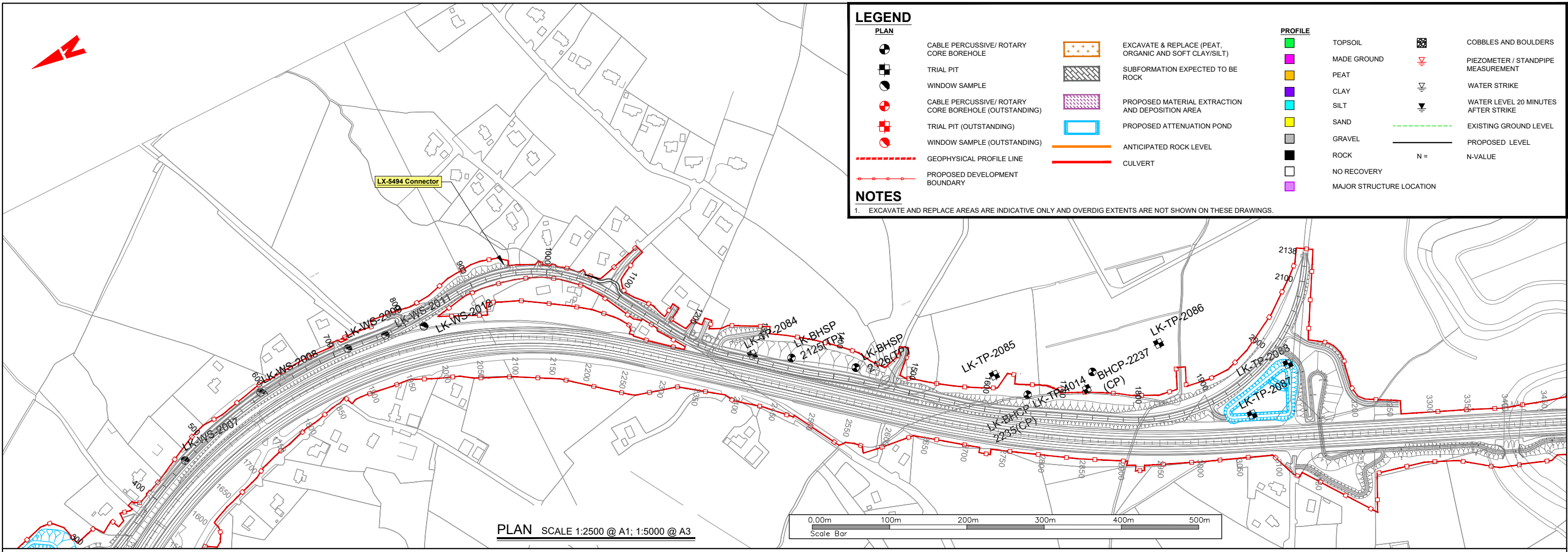
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LX-5494 CONNECTOR Scale Horiz. 1:500 Vert. 1:2500 @ A1  
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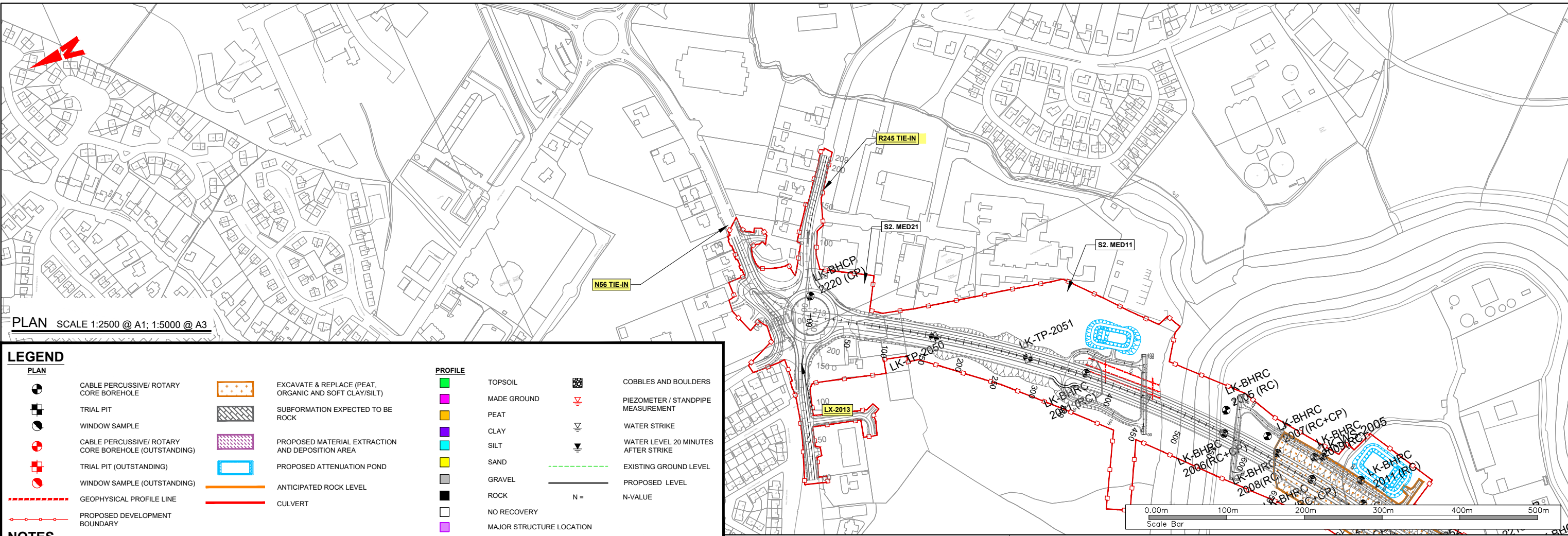
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Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)		Rev: P01
Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68
Drawn: AB	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 12 of 16	

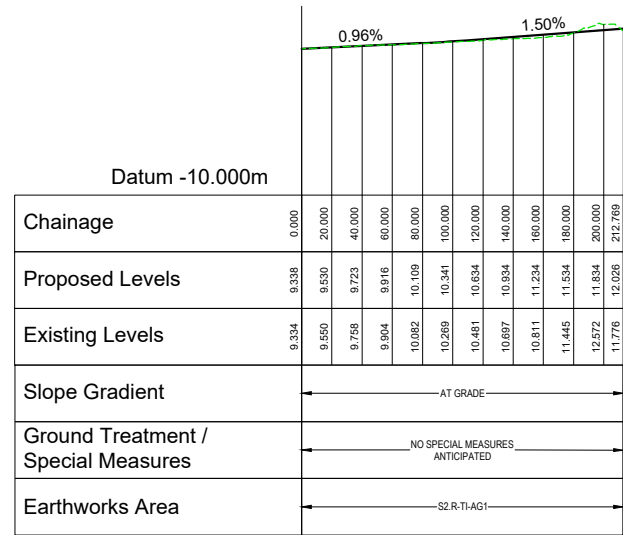


PLAN SCALE 1:2500 @ A1; 1:5000 @ A3

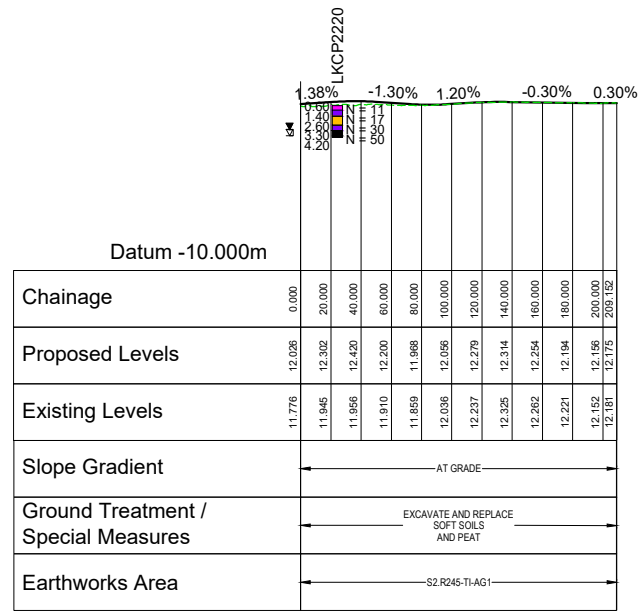
**LEGEND**

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

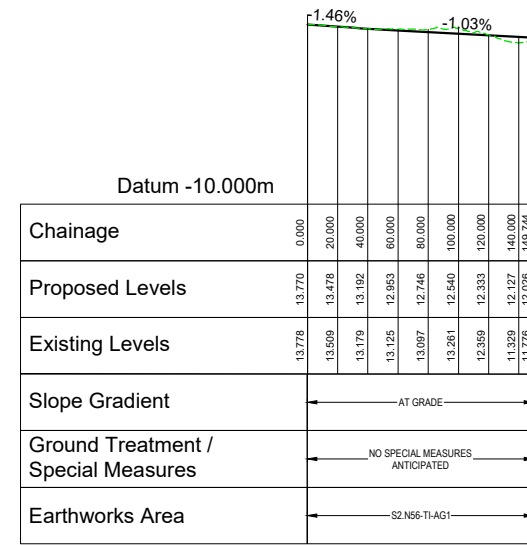
**NOTES**  
1. EXCAVATE AND REPLACE AREAS ARE INDICATIVE ONLY AND OVERDIG EXTENTS ARE NOT SHOWN ON THESE DRAWINGS.



LX-2013 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
LX-2013 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



R245 TIE-IN Scale Horiz. 1:500 Vert. 1:2500 @ A1  
R245 TIE-IN Scale Horiz. 1:1000 Vert. 1:5000 @ A3



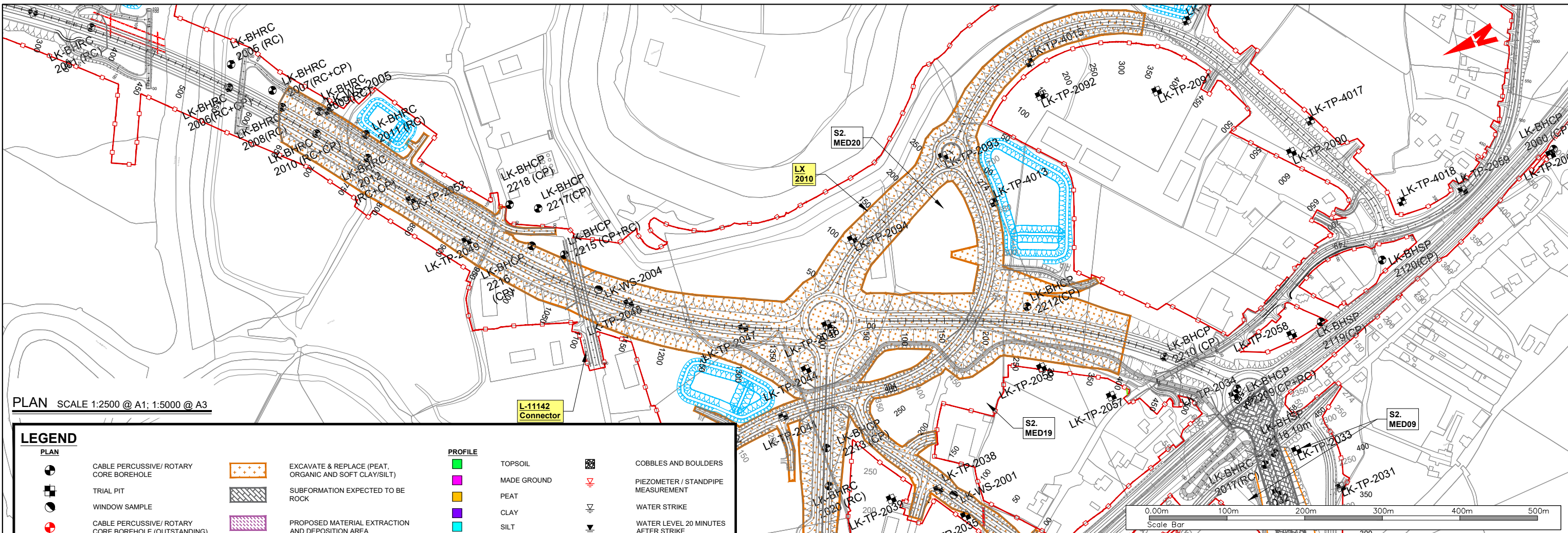
N56 TIE-IN Scale Horiz. 1:500 Vert. 1:2500 @ A1  
N56 TIE-IN Scale Horiz. 1:1000 Vert. 1:5000 @ A3

T:\MGT0337 - Ten-T Priority Route Imp - Donegal\0 Drawings\Phase 3\GINTT\_MGT0337-RPS-P3-S2-DR-C-GI0002 Section 2 Ground Investigation & Earthworks.dwg

**NOTES**  
DO NOT SCALE, use figured dimensions only.  
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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	04.11.25	AB	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham		Status: A3
Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)		Rev: P01
Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68
Drawn: AB	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 13 of 16	

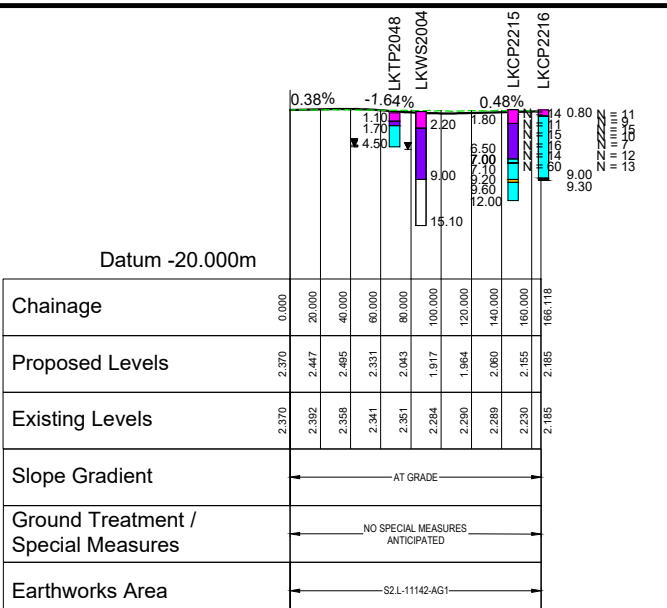


PLAN SCALE 1:2500 @ A1; 1:5000 @ A3

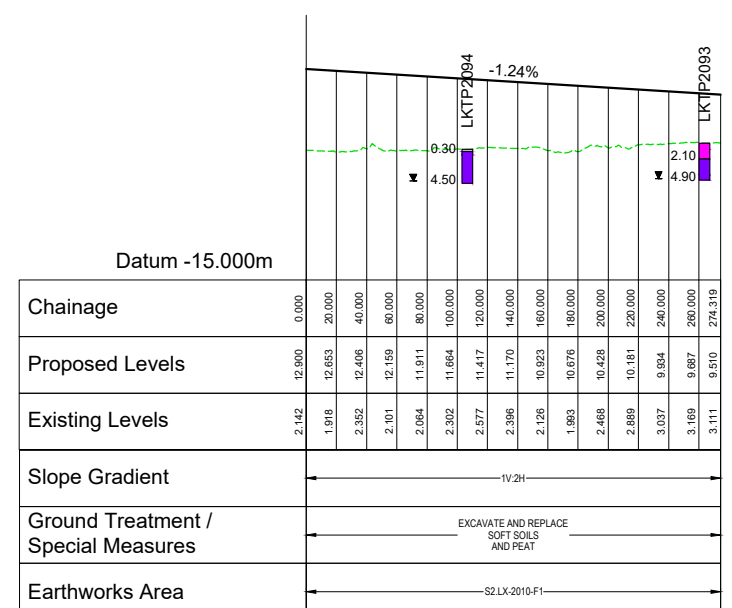
**LEGEND**

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

**NOTES**  
1. EXCAVATE AND REPLACE AREAS ARE INDICATIVE ONLY AND OVERDIG EXTENTS ARE NOT SHOWN ON THESE DRAWINGS.



L-11142 CONNECTOR Scale Horiz. 1:500 Vert. 1:2500 @ A1  
L-11142 CONNECTOR Scale Horiz. 1:1000 Vert. 1:5000 @ A3



LX-2010 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
LX-2010 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



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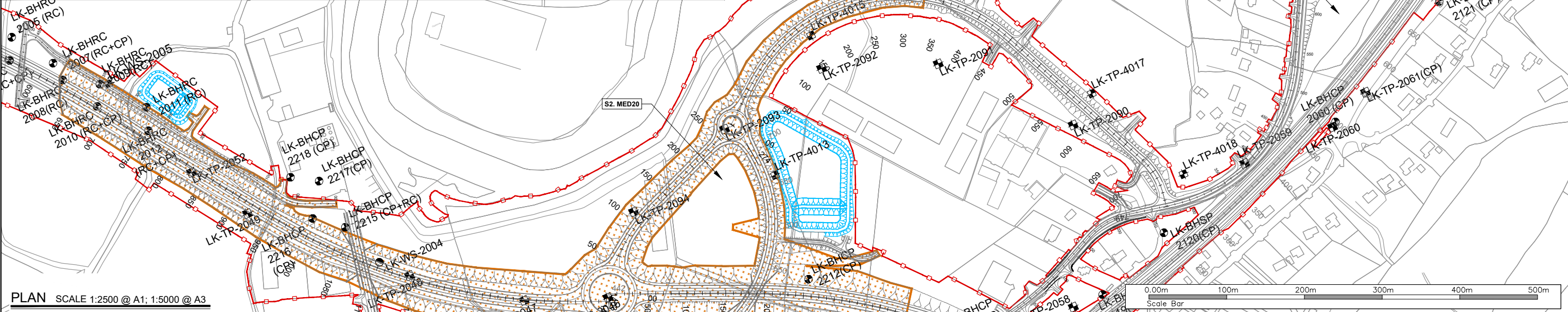
Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	04.11.25	AB	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham		Status: A3
Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)		Rev: P01
Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68
Drawn: AB	Scale @ A1: As Shown	File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002
Approved: EC	@ A3: As Shown	
Checked: KC	Sheet: 14 of 16	

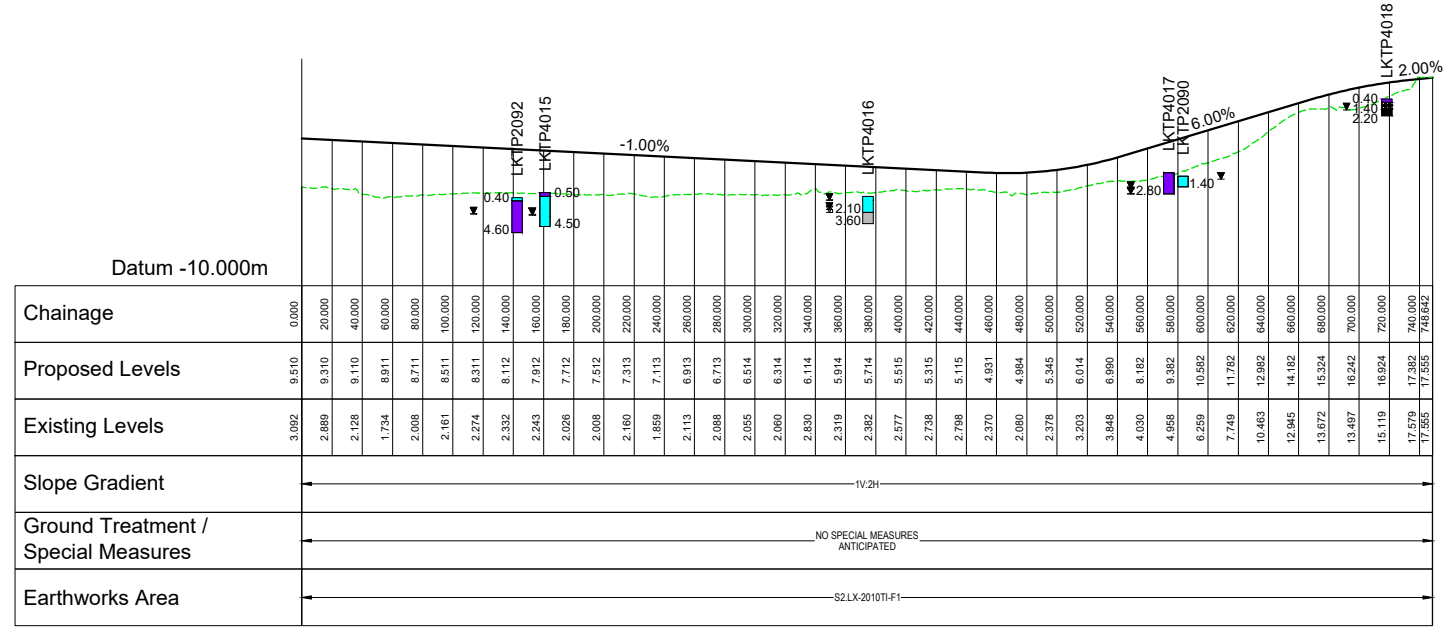
**LEGEND**

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

**NOTES**  
 1. EXCAVATE AND REPLACE AREAS ARE INDICATIVE ONLY AND OVERDIG EXTENTS ARE NOT SHOWN ON THESE DRAWINGS.



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



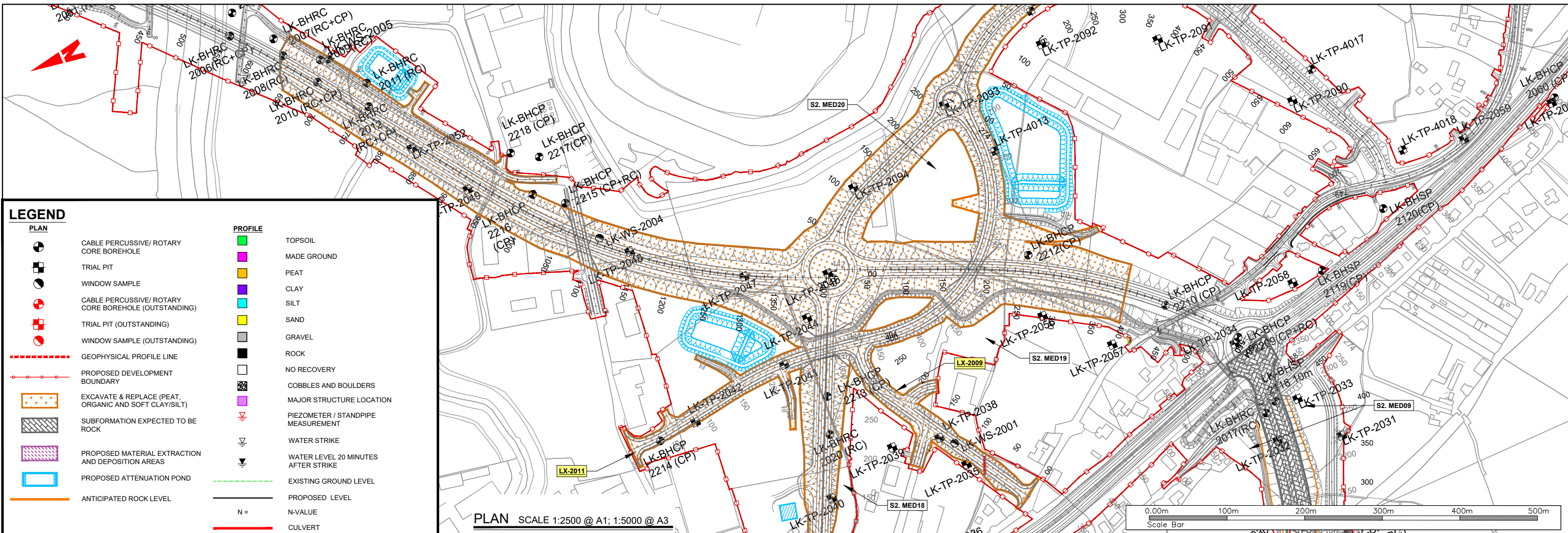
LX-2005 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 LX-2005 Scale Horiz. 1:1000 Vert. 1:5000 @ A3

T:\MGT0337 - Ten-T Priority Route Imp - Donegal\0 Drawings\Phase 3\INTT\_MGT0337-RPS-P3-S2-DR-C-GI0002 Section 2 Ground Investigation & Earthworks.dwg

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P01	04.11.25	AB	ISSUE FOR PLANNING	KC	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal Section 2 - N56/N13 Letterkenny to Manorcunningham		Status: A3	
Drawing Title: GROUND INVESTIGATION & EARTHWORKS PLAN & PROFILE (SIDE ROADS)		Rev: P01	
Designed: KC	Date: NOV 2025	EIAR Drawing Identifier: EIAR DRAWING 4.68	File Identifier: TT_MGT0337-RPS-P3-S2-DR-C-GI0002
Drawn: AB	Scale @ A1: As Shown		
Approved: EC	@ A3: As Shown		
Checked: KC	Sheet: 15 of 16		



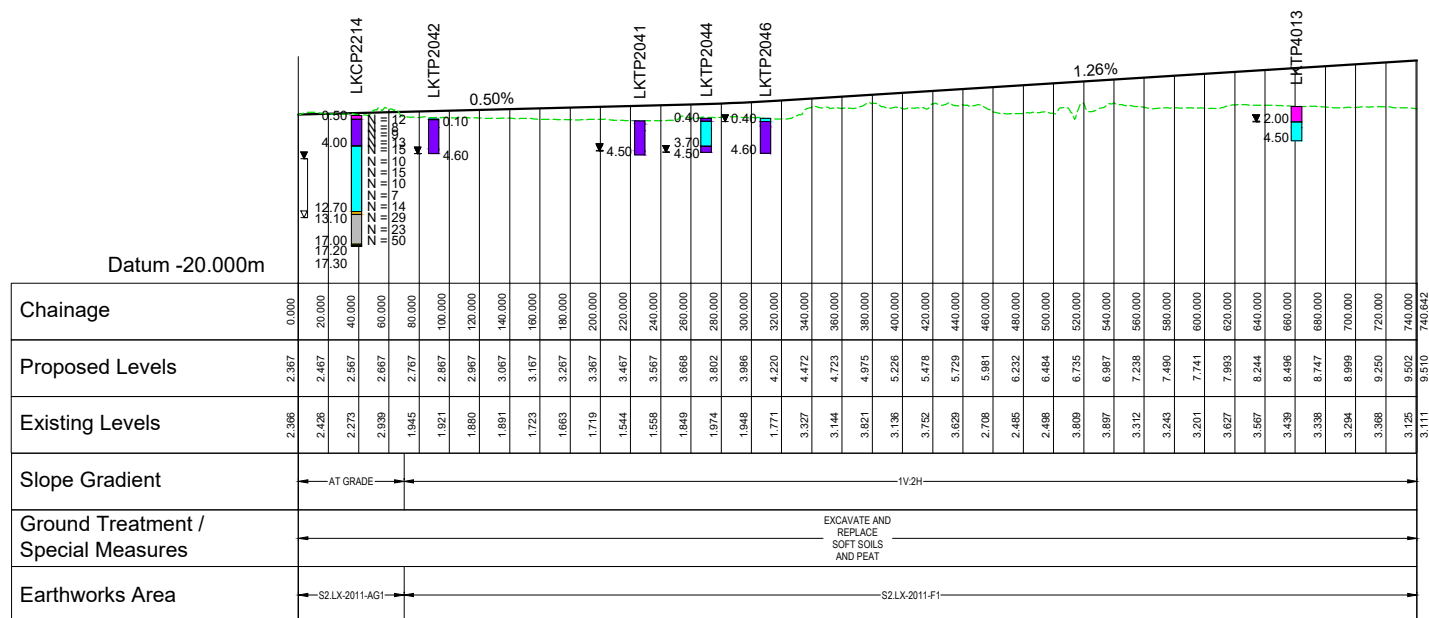
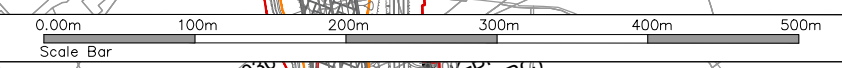
### LEGEND

PLAN	PROFILE

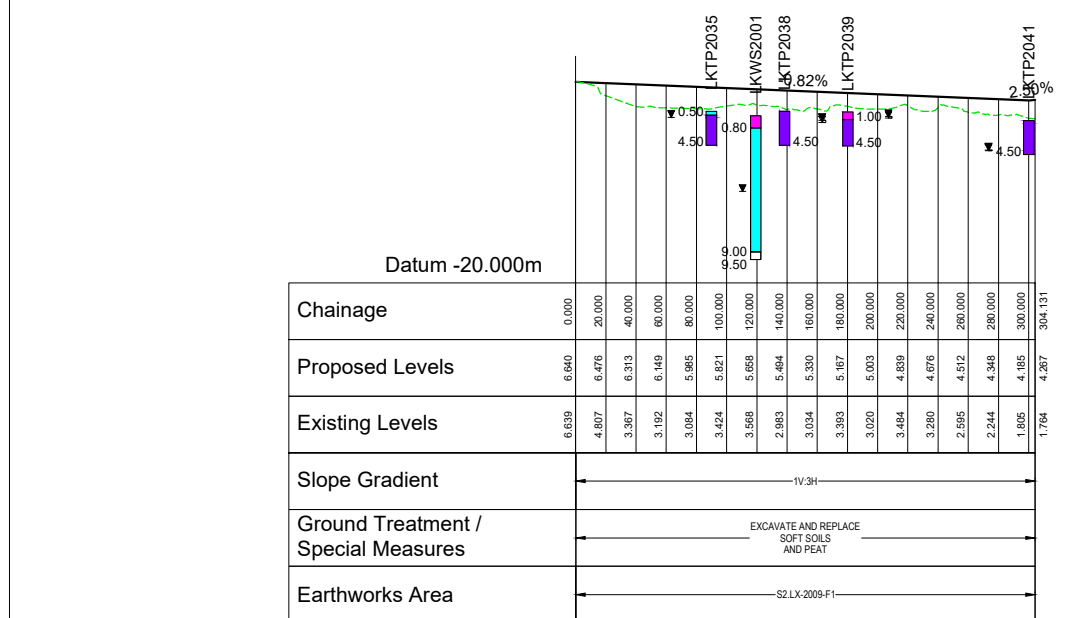
**NOTES**

1. EXCAVATE AND REPLACE AREAS ARE INDICATIVE ONLY AND OVERDIG EXTENTS ARE NOT SHOWN ON THESE DRAWINGS.

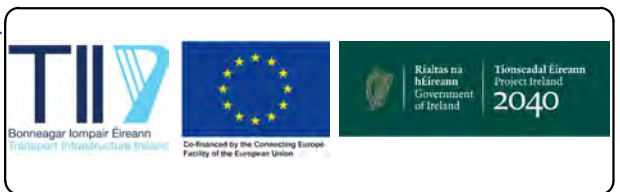
PLAN SCALE 1:2500 @ A1; 1:5000 @ A3



LX-2011 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 LX-2011 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



LX-2009 Scale Horiz. 1:500 Vert. 1:2500 @ A1  
 LX-2009 Scale Horiz. 1:1000 Vert. 1:5000 @ A3



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Approved: EC	@ A3: As Shown		
Checked: KC	Sheet: 16 of 16		