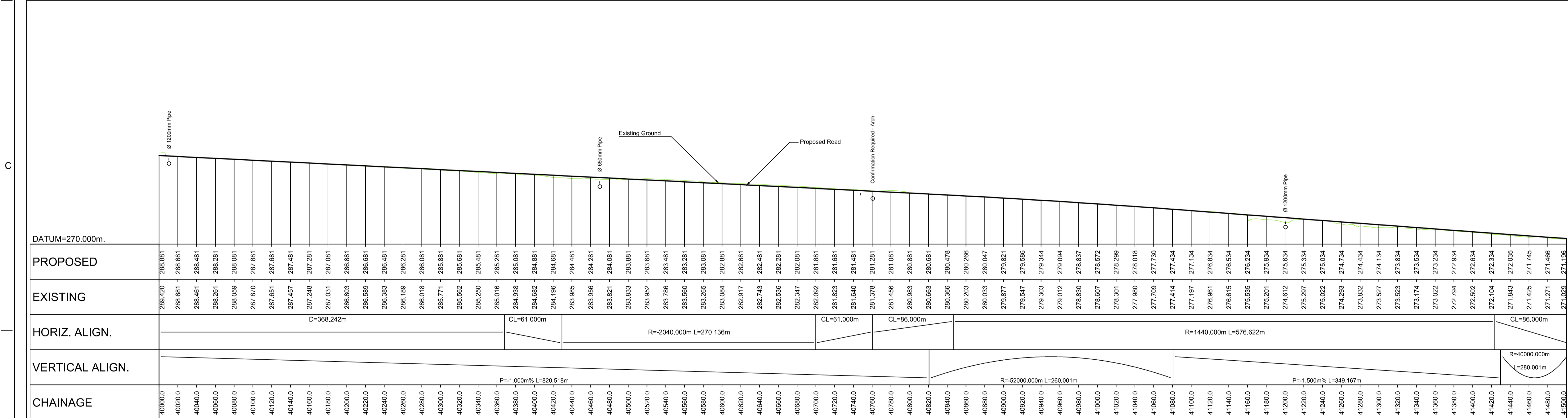


GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE**
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
 - NATURAL EARTHWORKS SLOPE
 - NATURAL EARTHWORKS CUT
 - VARIABLE EARTHWORKS

- KEY ENVIRONMENTAL CONSTRAINTS**
- ANCIENT WOODLANDS (INVENTORY)
 - BATTLEFIELD SITES
 - BIOLOGICAL SSSI
 - CAIRNGORMS NATIONAL PARK (BOUNDARY)
 - CONSERVATION AREAS
 - GEOLOGICAL CONSERVATION REVIEW SITES
 - GEOLOGICAL SSSI
 - HISTORIC GARDENS AND DESIGNED LANDSCAPES
 - LISTED BUILDINGS
 - MIXED SSSI
 - NATIONAL NATURE RESERVES
 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION

SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG



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 Tel +44 (0)141 552 2000 Fax +44 (0)141 552 2525



**PROJECT 09
 CRUBENMORE TO KINCRAG
 MAINLINE DMRB - SECTION 1
 OPTION 1A & SECTION 2 OPTION 2A**

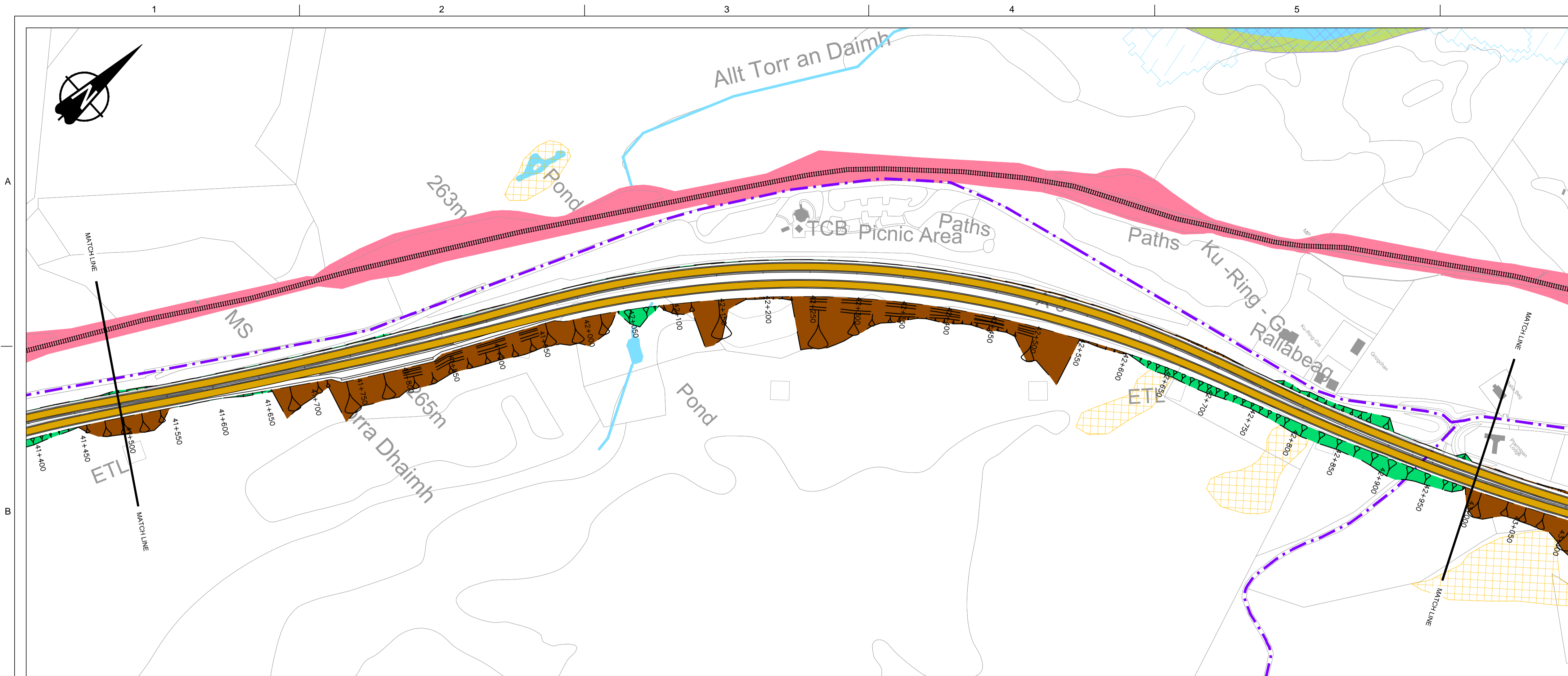
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	21/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0001
SHEET:	1 of 12
REVISION:	P01
SUITABILITY:	S2

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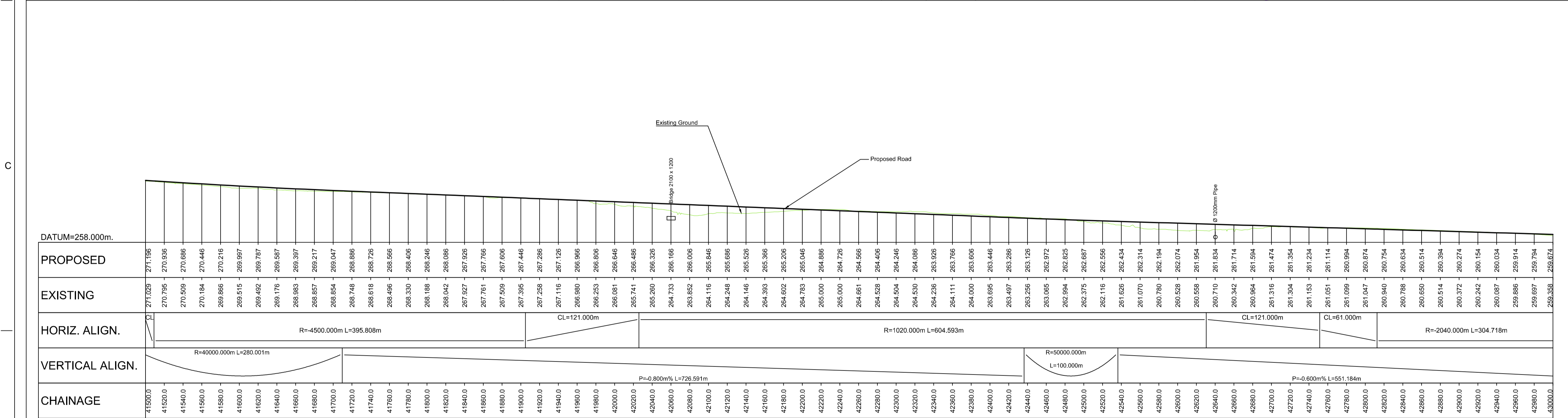
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GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE**
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
 - NATURAL EARTHWORKS SLOPE
 - NATURAL EARTHWORKS CUT
 - VARIABLE EARTHWORKS
- KEY ENVIRONMENTAL CONSTRAINTS**
- ANCIENT WOODLANDS (INVENTORY)
 - BATTLEFIELD SITES
 - BIOLOGICAL SSSI
 - CAIRNGORMS NATIONAL PARK (BOUNDARY)
 - CONSERVATION AREAS
 - GEOLOGICAL CONSERVATION REVIEW SITES
 - GEOLOGICAL SSSI
 - HISTORIC GARDENS AND DESIGNED LANDSCAPES
 - LISTED BUILDINGS
 - MIXED SSSI
 - NATIONAL NATURE RESERVES
 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG



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PROJECT 07
CRUBENMORE TO KIN CRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 2 OPTION 2A

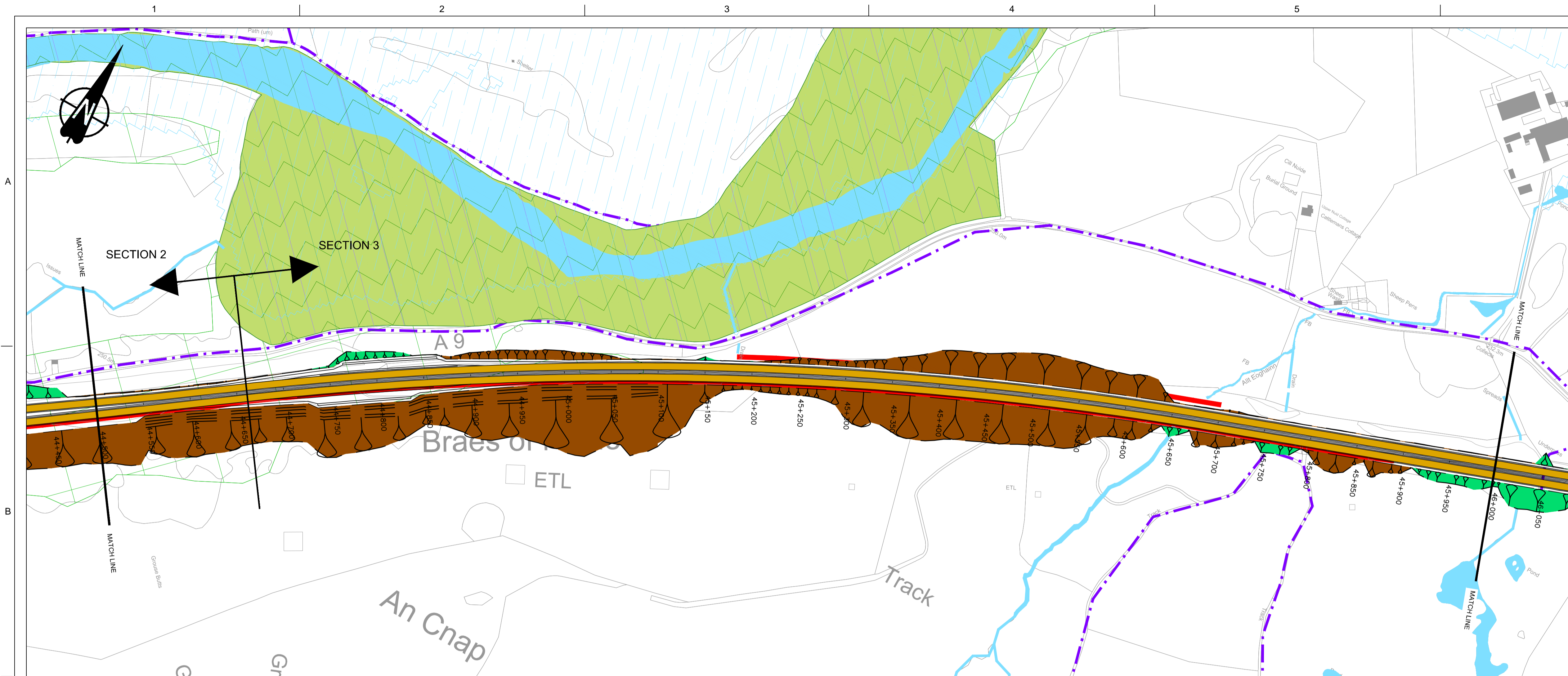
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A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	21/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-SK-RD-0002
SHEET:	2 of 12
REVISION:	P01
SUITABILITY:	S2

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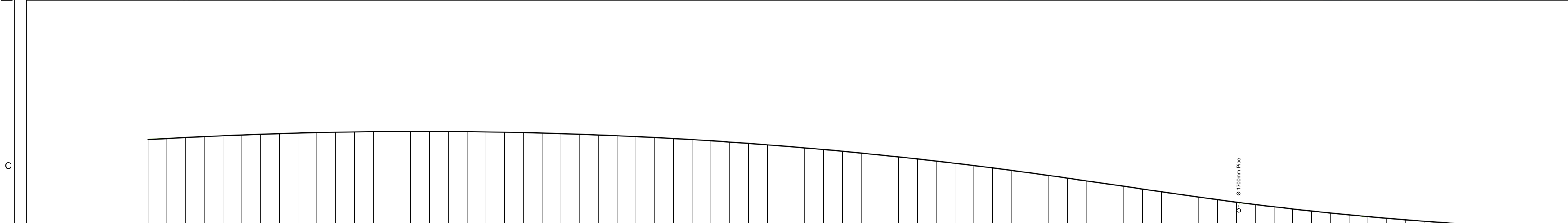


GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURE INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE**
- BEAUTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
 - NATURAL EARTHWORKS SLOPE
 - NATURAL EARTHWORKS CUT
 - VARIABLE EARTHWORKS

- KEY ENVIRONMENTAL CONSTRAINTS**
- ANCIENT WOODLANDS (INVENTORY)
 - BATTLEFIELD SITES
 - BIOLOGICAL SSSI
 - CAIRNGORMS NATIONAL PARK (BOUNDARY)
 - CONSERVATION AREAS
 - GEOLOGICAL CONSERVATION REVIEW SITES
 - GEOLOGICAL SSSI
 - HISTORIC GARDENS AND DESIGNED LANDSCAPES
 - LISTED BUILDINGS
 - MIXED SSSI
 - NATIONAL NATURE RESERVES
 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



PROPOSED	281.812	281.777	281.831	282.017	282.148	282.249	282.349	282.544	282.633	282.705	282.700	283.102	283.202	283.296	283.353	283.403	283.437	283.448	283.454	283.454	283.454	283.442	283.437	283.412	283.403	283.353	283.285	283.207	283.203	283.095	283.102	282.979	282.885	282.851	282.851	282.709	282.701	282.541	282.533	282.355	282.349	282.150	282.149	281.937	281.931	281.698	281.697	281.448	281.448	281.196	281.178	280.921	280.894	280.611	280.592	280.284	280.274	280.972	280.940	280.606	280.598	280.232	280.220	280.850	280.835	280.457	280.434	280.041	280.015	280.608	280.580	280.156	280.128	280.682	280.660	280.190	280.174	280.681	280.672	280.172	280.153	280.626	280.618	280.075	280.066	280.300	280.287	280.919	280.917	280.341	280.337	281.767	281.757	281.197	281.177	280.613	280.597	280.048	280.017	249.455	249.447	248.923	248.899	248.389	248.372	247.876	247.867	247.405	247.384	246.939	246.923	246.508	246.483	246.088	246.066	245.707	245.689	245.216	245.205	244.982	244.942	244.662	244.612	244.355	244.302	244.055	244.015	243.791	243.749	243.335	243.305	243.322	243.283	242.967	243.083	242.802	242.804	242.683	242.747
EXISTING	281.812	281.777	281.831	282.017	282.148	282.249	282.349	282.544	282.633	282.705	282.700	283.102	283.202	283.296	283.353	283.403	283.437	283.448	283.454	283.454	283.454	283.442	283.437	283.412	283.403	283.353	283.285	283.207	283.203	283.095	283.102	282.979	282.885	282.851	282.851	282.709	282.701	282.541	282.533	282.355	282.349	282.150	282.149	281.937	281.931	281.698	281.697	281.448	281.448	281.196	281.178	280.921	280.894	280.611	280.592	280.284	280.274	280.972	280.940	280.606	280.598	280.232	280.220	280.850	280.835	280.457	280.434	280.041	280.015	280.608	280.580	280.156	280.128	280.682	280.660	280.190	280.174	280.681	280.672	280.172	280.153	280.626	280.618	280.075	280.066	280.300	280.287	280.919	280.917	280.341	280.337	281.767	281.757	281.197	281.177	280.613	280.597	280.048	280.017	249.455	249.447	248.923	248.899	248.389	248.372	247.876	247.867	247.405	247.384	246.939	246.923	246.508	246.483	246.088	246.066	245.707	245.689	245.216	245.205	244.982	244.942	244.662	244.612	244.355	244.302	244.055	244.015	243.791	243.749	243.335	243.305	243.322	243.283	242.967	243.083	242.802	242.804	242.683	242.747
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LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG

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TRANSPORT SCOTLAND
A9 DUALLING
PERTH TO INVERNESS
Crubrenmore to Kinross

PROJECT 09
CRUBENMORE TO KINRAIG
MAINLINE DMRB - SECTION 2
OPTION 2A & SECTION 3 OPTION 3A

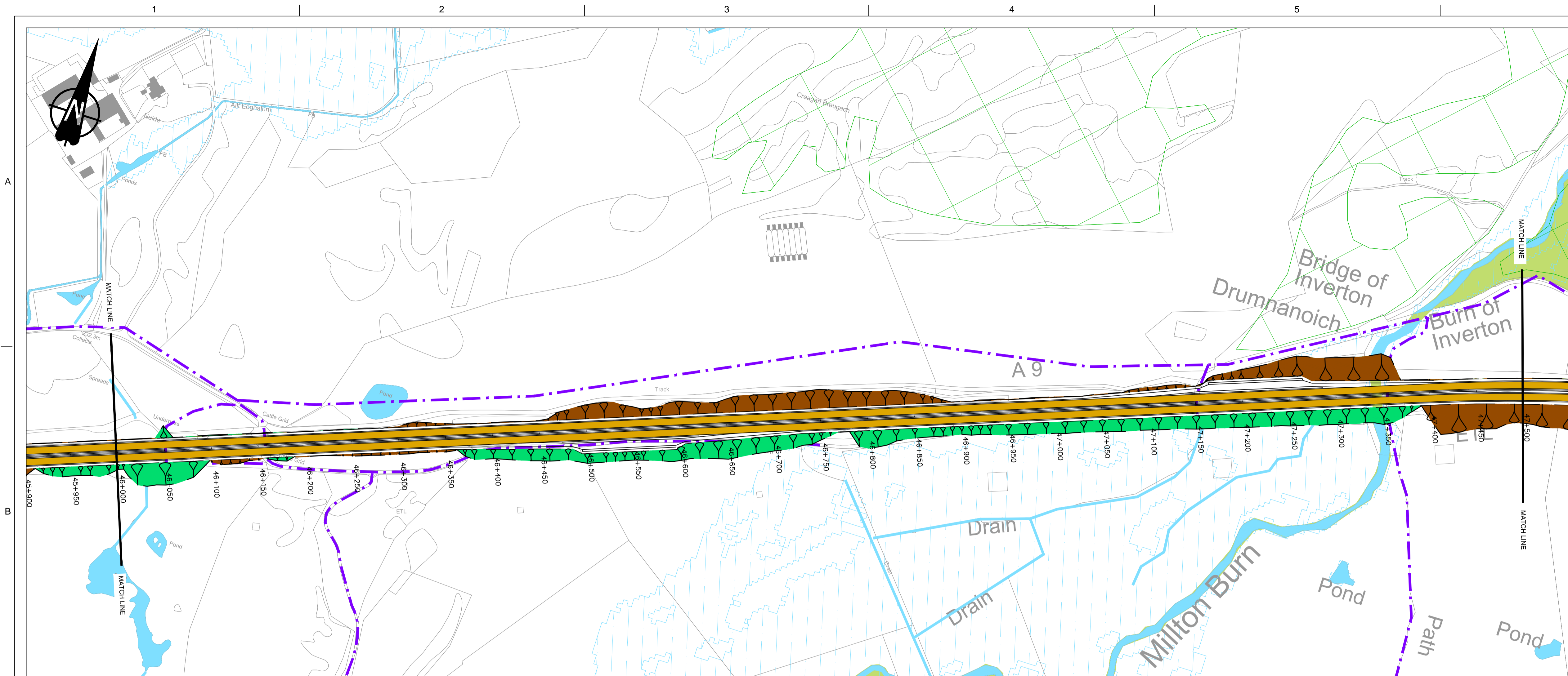
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0004
SHEET:	4 of 12
REVISION:	P01
SUITABILITY:	S2

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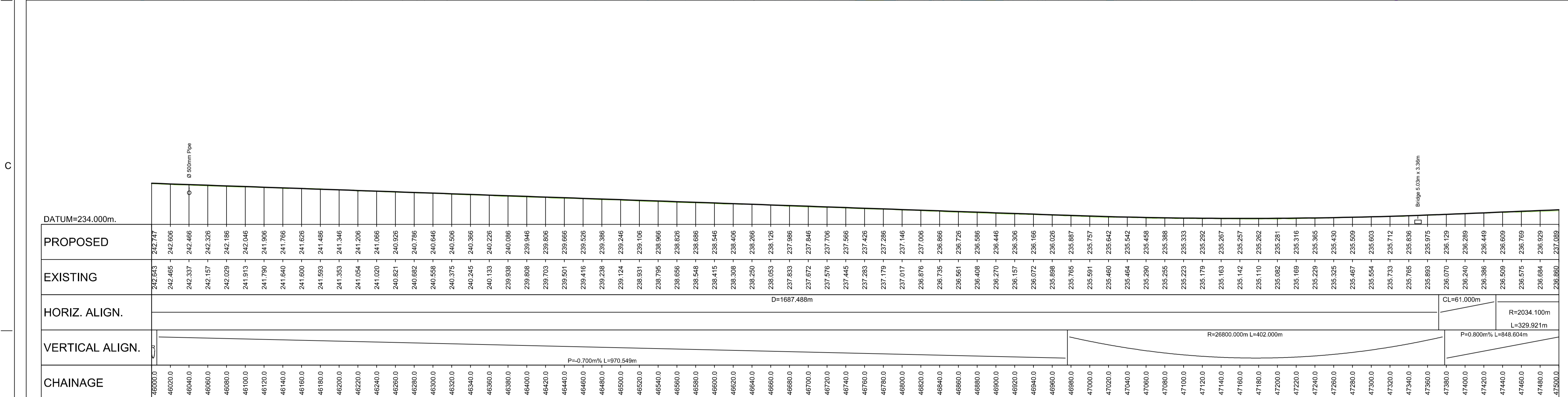


GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE**
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
 - NATURAL EARTHWORKS SLOPE
 - NATURAL EARTHWORKS CUT
 - VARIABLE EARTHWORKS

- KEY ENVIRONMENTAL CONSTRAINTS**
- ANCIENT WOODLANDS (INVENTORY)
 - BATTLEFIELD SITES
 - BIOLOGICAL SSSI
 - CAIRNGORMS NATIONAL PARK (BOUNDARY)
 - CONSERVATION AREAS
 - GEOLOGICAL CONSERVATION REVIEW SITES
 - GEOLOGICAL SSSI
 - HISTORIC GARDENS AND DESIGNED LANDSCAPES
 - LISTED BUILDINGS
 - MIXED SSSI
 - NATIONAL NATURE RESERVES
 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG

ch2m FAIRHURST
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C/O: City Park 368 Alexandra Parade Glasgow G3 3AU
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PROJECT 09
CRUBENMORE TO KIN CRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 3 OPTION 3A

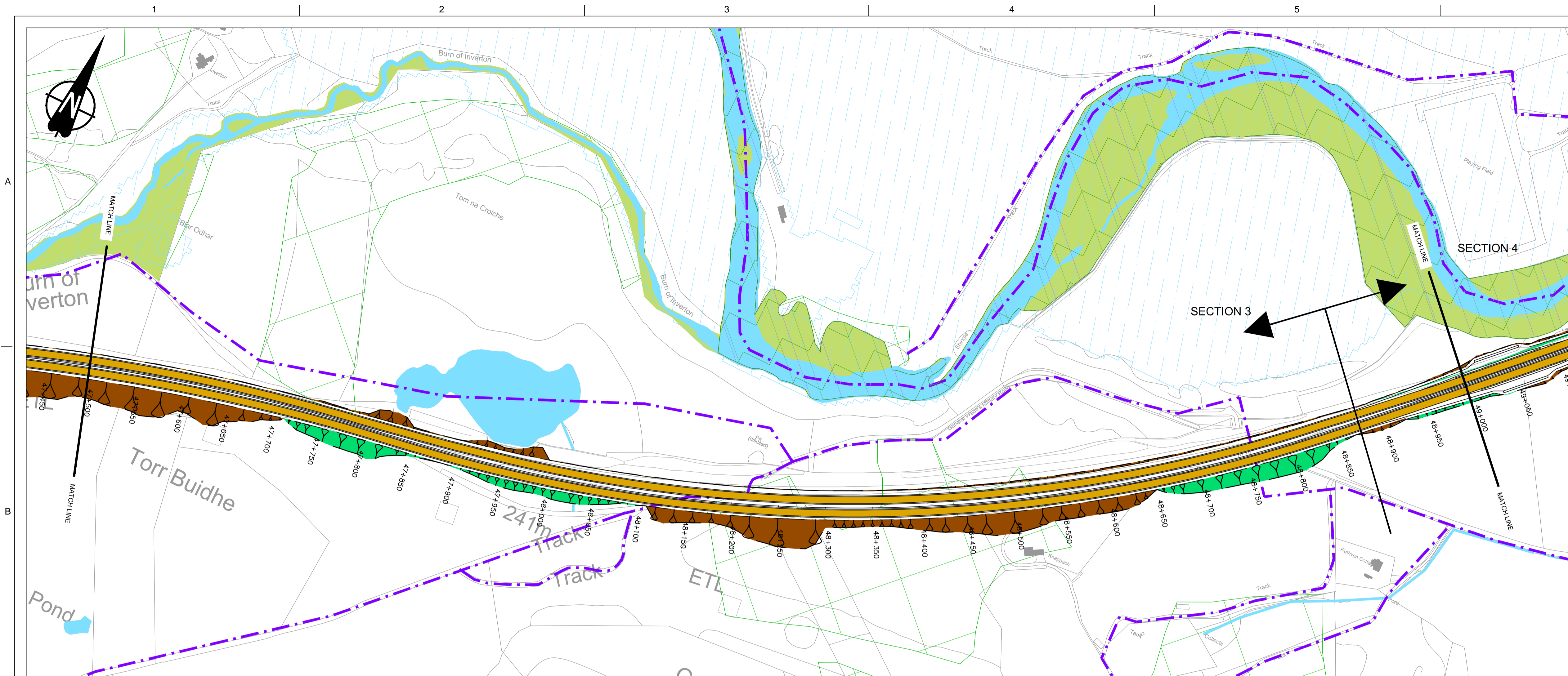
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0005
SHEET:	5 of 12
REVISION:	P01
SUITABILITY:	S2

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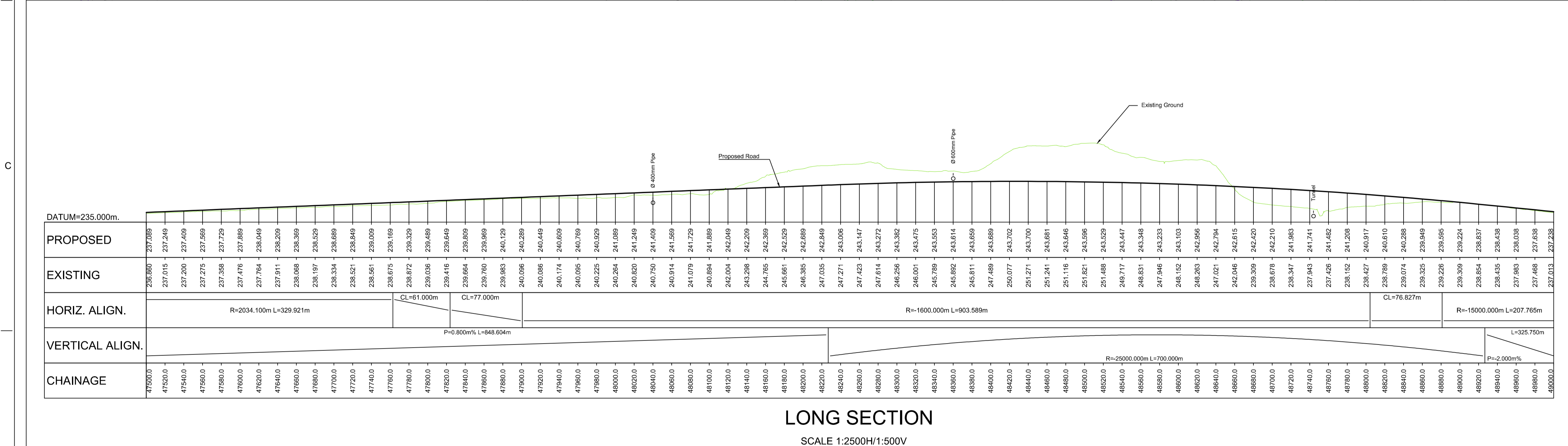
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GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:
- HYDROLOGY
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
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 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	RY	RG
P01	S2	17-11-15	FIRST ISSUE		

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PROJECT 09
**CRUBENMORE TO KIN CRAIG
 MAINLINE DMRB - SECTION 3
 OPTION 3A & SECTION 4 OPTION 4A**

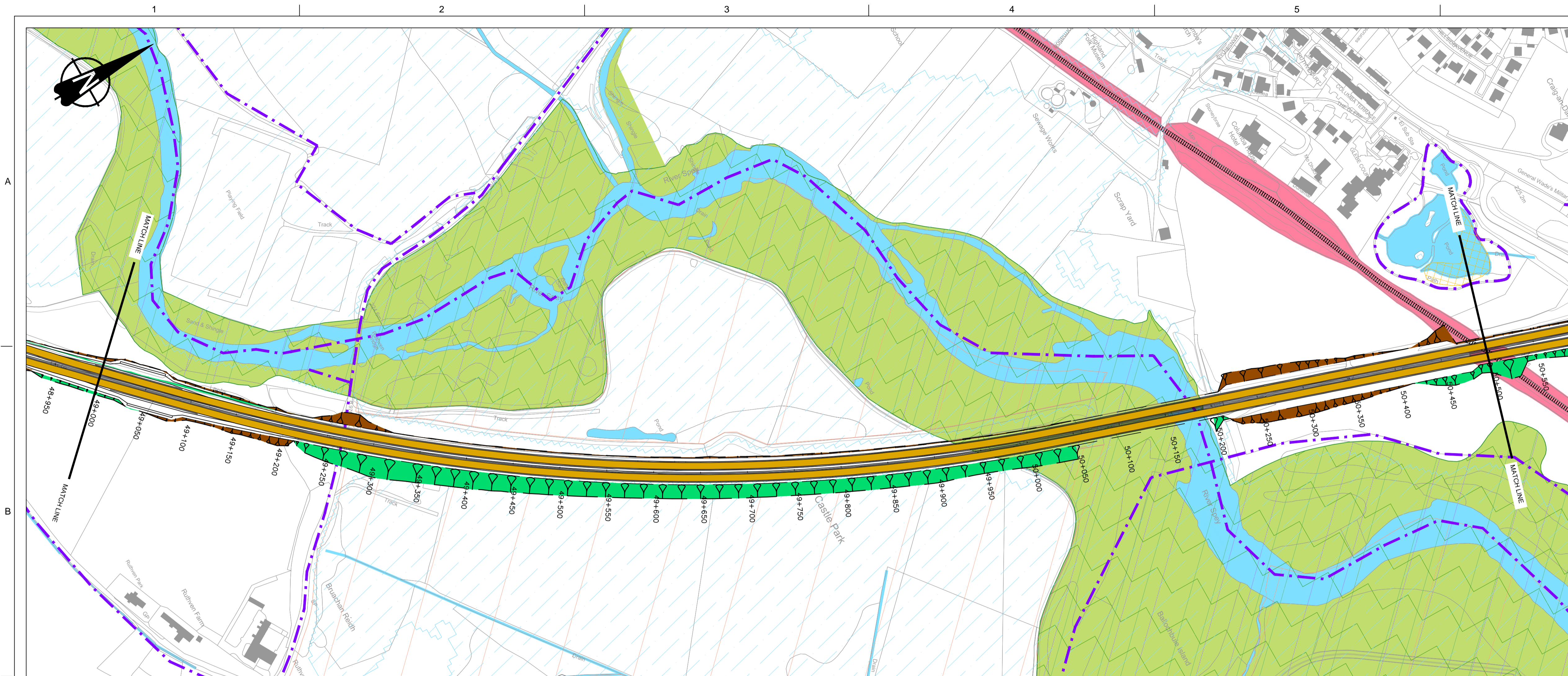
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A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0006
SHEET:	6 of 12
REVISION:	P01
SUITABILITY:	S2

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GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

LEGEND:

HYDROLOGY

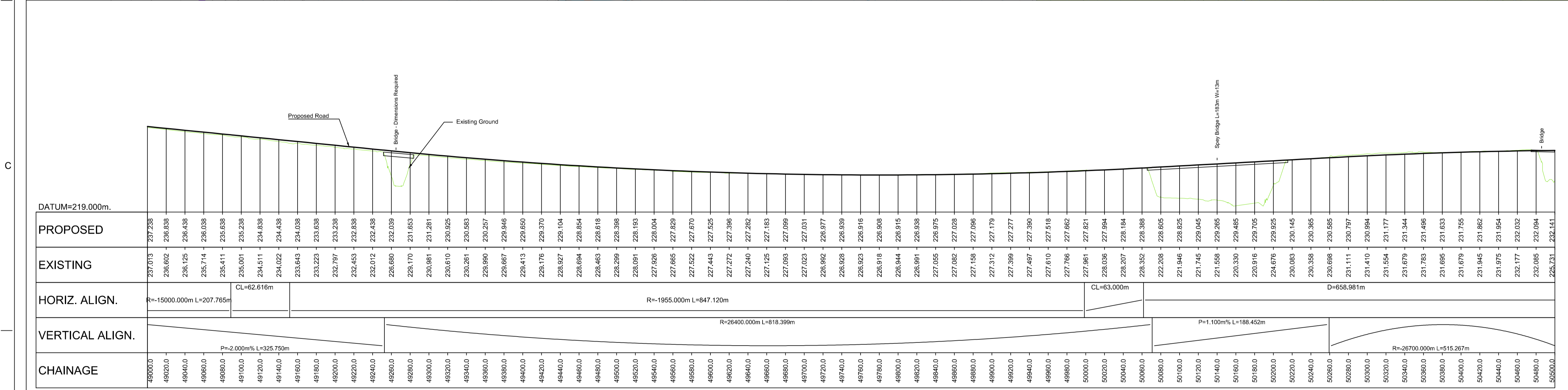
- RIVER / STREAM / LOCHS
- SEPA FLOOD MAPPING (1:200 YEAR)

INFRASTRUCTURE

- BEAULTY TO DENNY PYLONS
- RAIL
- BUILDINGS
- NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
- CARRIAGEWAY
- NATURAL EARTHWORKS SLOPE
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- VARIABLE EARTHWORKS

KEY ENVIRONMENTAL CONSTRAINTS

- ANCIENT WOODLANDS (INVENTORY)
- BATTLEFIELD SITES
- BIOLOGICAL SSSI
- CAIRNGORMS NATIONAL PARK (BOUNDARY)
- CONSERVATION AREAS
- GEOLOGICAL CONSERVATION REVIEW SITES
- GEOLOGICAL SSSI
- HISTORIC GARDENS AND DESIGNED LANDSCAPES
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- NATIONAL NATURE RESERVES
- NATIONAL SCENIC AREAS
- RAMSAR SITE
- SAC (SPECIAL AREA OF CONSERVATION)
- SCHEDULED MONUMENTS
- SPA (SPECIAL PROTECTION AREA)
- PEAT AREAS
- ROCK CUTTING



PROPOSED	EXISTING	HORIZ. ALIGN.	VERTICAL ALIGN.	CHAINAGE
237.238	237.013	R=15000.000m L=207.765m	P=2.000m% L=325.750m	48000.0
236.838	236.602	CL=62.616m		48020.0
236.438	236.125			48040.0
236.038	235.714			48060.0
235.638	235.411			48080.0
235.238	235.001			48100.0
234.838	234.511			48120.0
234.438	234.022			48140.0
234.038	233.643			48160.0
233.638	233.223			48180.0
233.238	232.797			48200.0
232.838	232.453			48220.0
232.438	232.012			48240.0
232.038	226.680			48260.0
231.638	229.170			48280.0
231.238	230.981			48300.0
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229.638	229.413			48380.0
229.238	229.176			48400.0
228.838	228.927			48420.0
228.438	228.694			48440.0
228.038	228.463			48460.0
227.638	228.299			48480.0
227.238	228.091			48500.0
226.838	227.926			48520.0
226.438	227.665			48540.0
226.038	227.522			48560.0
225.638	227.443			48580.0
225.238	227.272			48600.0
224.838	227.240			48620.0
224.438	227.125			48640.0
224.038	227.093			48660.0
223.638	227.023			48680.0
223.238	226.992			48700.0
222.838	226.928			48720.0
222.438	226.823			48740.0
222.038	226.618			48760.0
221.638	226.944			48780.0
221.238	226.991			48800.0
220.838	227.055			48820.0
220.438	227.082			48840.0
220.038	227.158			48860.0
219.638	227.312			48880.0
219.238	227.399			48900.0
218.838	227.497			48920.0
218.438	227.610			48940.0
218.038	227.766			48960.0
217.638	227.861			48980.0
217.238	228.036			49000.0
216.838	228.207			49020.0
216.438	228.352			49040.0
216.038	228.208			49060.0
215.638	228.194			49080.0
215.238	228.145			49100.0
214.838	228.096			49120.0
214.438	231.111			49140.0
214.038	231.154			49160.0
213.638	231.679			49180.0
213.238	231.783			49200.0
212.838	231.695			49220.0
212.438	231.679			49240.0
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211.638	231.975			49280.0
211.238	232.177			49300.0
210.838	231.344			49320.0
210.438	231.496			49340.0
210.038	231.653			49360.0
209.638	231.679			49380.0
209.238	231.945			49400.0
208.838	231.975			49420.0
208.438	232.032			49440.0
208.038	232.085			49460.0
207.638	232.094			49480.0
207.238	232.121			49500.0

LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG

ch2m FAIRHURST
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TRANSPORT SCOTLAND
COMMERCIAL AREA

A9 DUALLING
PERTH TO INVERNESS
Crubrenmore to Kinross

PROJECT 09
CRUBENMORE TO KINRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 4 OPTION 4A

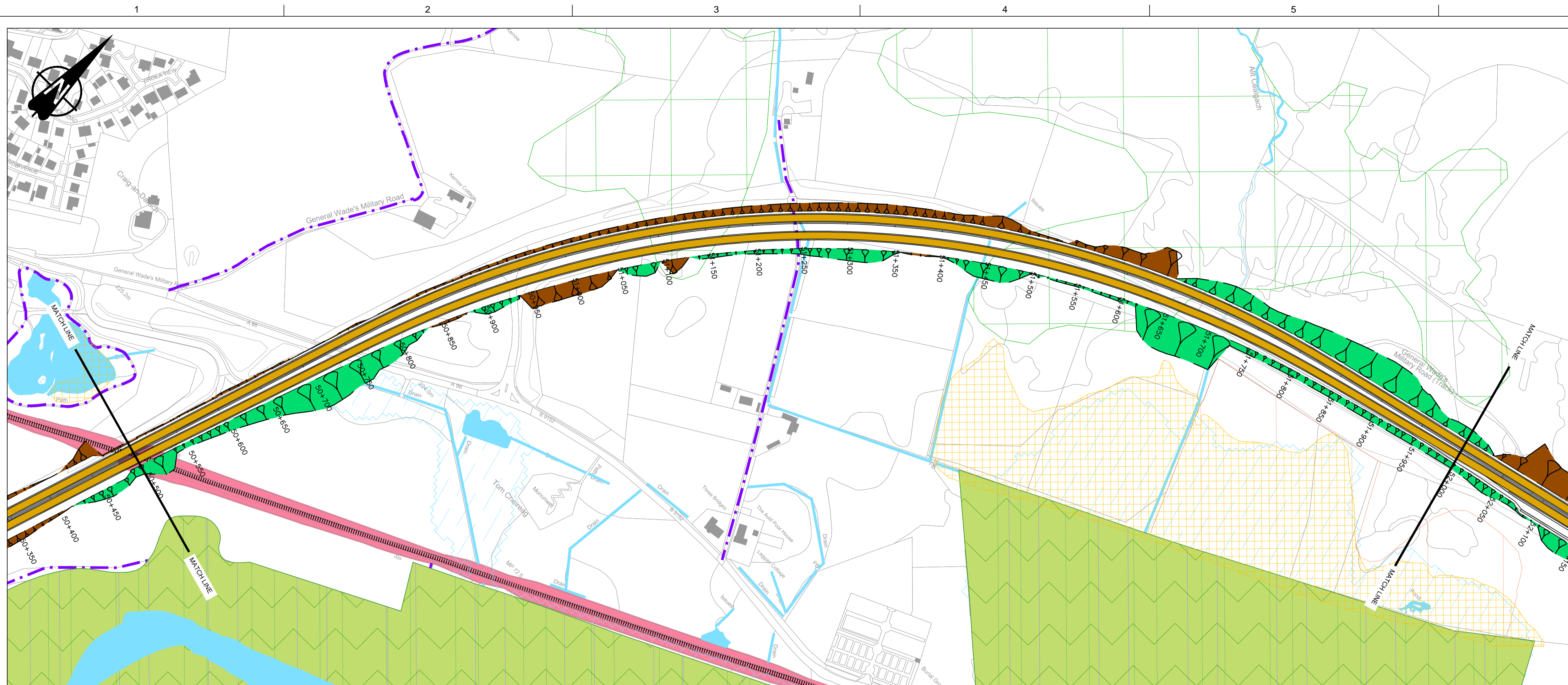
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0007
SHEET:	7 of 12
REVISION:	P01
SUITABILITY:	S2

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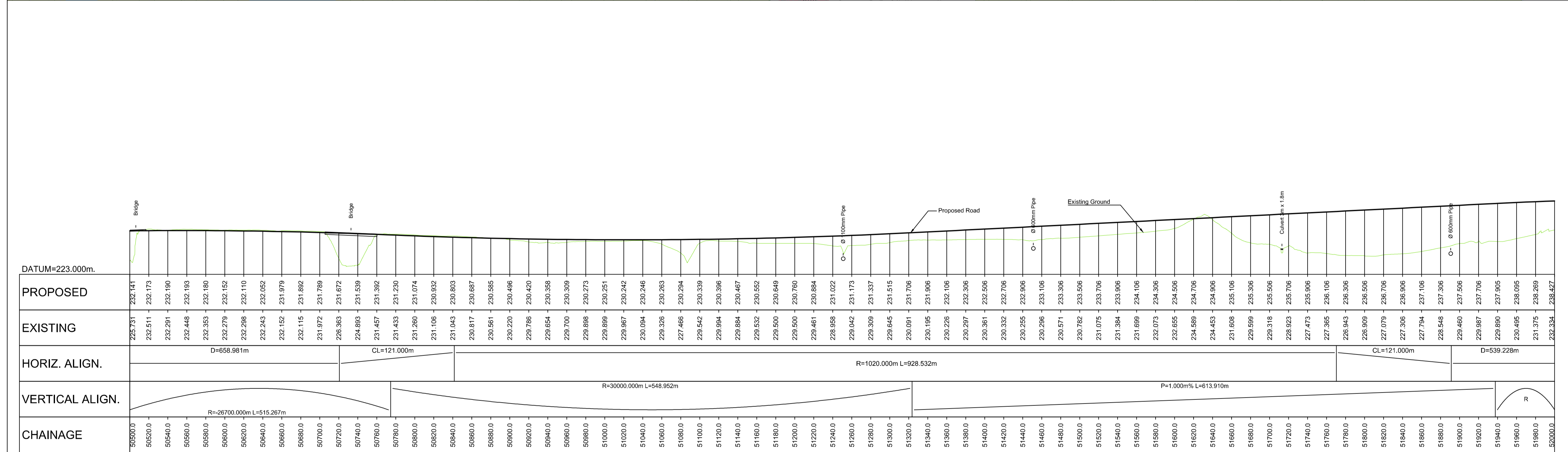
GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)

- INFRASTRUCTURE**
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
 - NATURAL EARTHWORKS SLOPE
 - NATURAL EARTHWORKS CUT
 - VARIABLE EARTHWORKS

- KEY ENVIRONMENTAL CONSTRAINTS**
- ANCIENT WOODLANDS (INVENTORY)
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 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION

SCALE 1:2500H/1:500V

PROPOSED	EXISTING	HORIZ. ALIGN.	VERTICAL ALIGN.	CHAINAGE
232.141	235.731			50500.0
232.173	232.511			50520.0
232.190	232.291			50540.0
232.193	232.446			50560.0
232.180	232.353			50580.0
232.152	232.279			50600.0
232.110	232.288			50620.0
232.052	232.243			50640.0
231.979	232.152			50660.0
231.882	232.115			50680.0
231.789	231.972			50700.0
231.672	231.803			50720.0
231.539	231.617			50740.0
231.392	231.457			50760.0
231.230	231.433			50780.0
231.074	231.260			50800.0
230.932	231.106			50820.0
230.803	231.043			50840.0
230.687	230.817			50860.0
230.585	230.561			50880.0
230.466	230.220			50900.0
230.420	229.786			50920.0
230.358	229.654			50940.0
230.309	229.700			50960.0
230.251	229.898			50980.0
230.242	229.899			51000.0
230.246	229.967			51020.0
230.263	230.084			51040.0
230.283	230.326			51060.0
230.284	227.466			51080.0
230.339	229.542			51100.0
230.396	229.994			51120.0
230.467	229.884			51140.0
230.552	229.532			51160.0
230.649	229.500			51180.0
230.760	229.500			51200.0
230.884	229.461			51220.0
231.022	229.958			51240.0
231.173	229.042			51260.0
231.337	229.309			51280.0
231.515	229.645			51300.0
231.706	230.091			51320.0
231.906	230.195			51340.0
232.106	230.226			51360.0
232.306	230.297			51380.0
232.506	230.361			51400.0
232.706	230.332			51420.0
232.906	230.295			51440.0
233.106	230.226			51460.0
233.306	230.571			51480.0
233.506	230.762			51500.0
233.706	231.075			51520.0
233.906	231.384			51540.0
234.106	231.699			51560.0
234.306	232.073			51580.0
234.506	232.655			51600.0
234.706	234.589			51620.0
234.906	234.453			51640.0
235.106	231.608			51660.0
235.306	229.599			51680.0
235.506	229.318			51700.0
235.706	228.923			51720.0
235.906	227.473			51740.0
236.106	227.365			51760.0
236.306	226.943			51780.0
236.506	226.509			51800.0
236.706	227.079			51820.0
236.906	227.306			51840.0
237.106	227.794			51860.0
237.306	228.548			51880.0
237.506	229.460			51900.0
237.706	229.987			51920.0
237.906	229.890			51940.0
238.095	230.495			51960.0
238.269	231.375			51980.0
238.427	232.334			52000.0

REV	SUIT	DATE	DESCRIPTION	BY	APP
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ch2m FAIRHURST
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TRANSPORT SCOTLAND
A9 DUALLING
 CRUBENMORE TO KINRAIG

PROJECT 09
CRUBENMORE TO KINRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 4 OPTION 4A

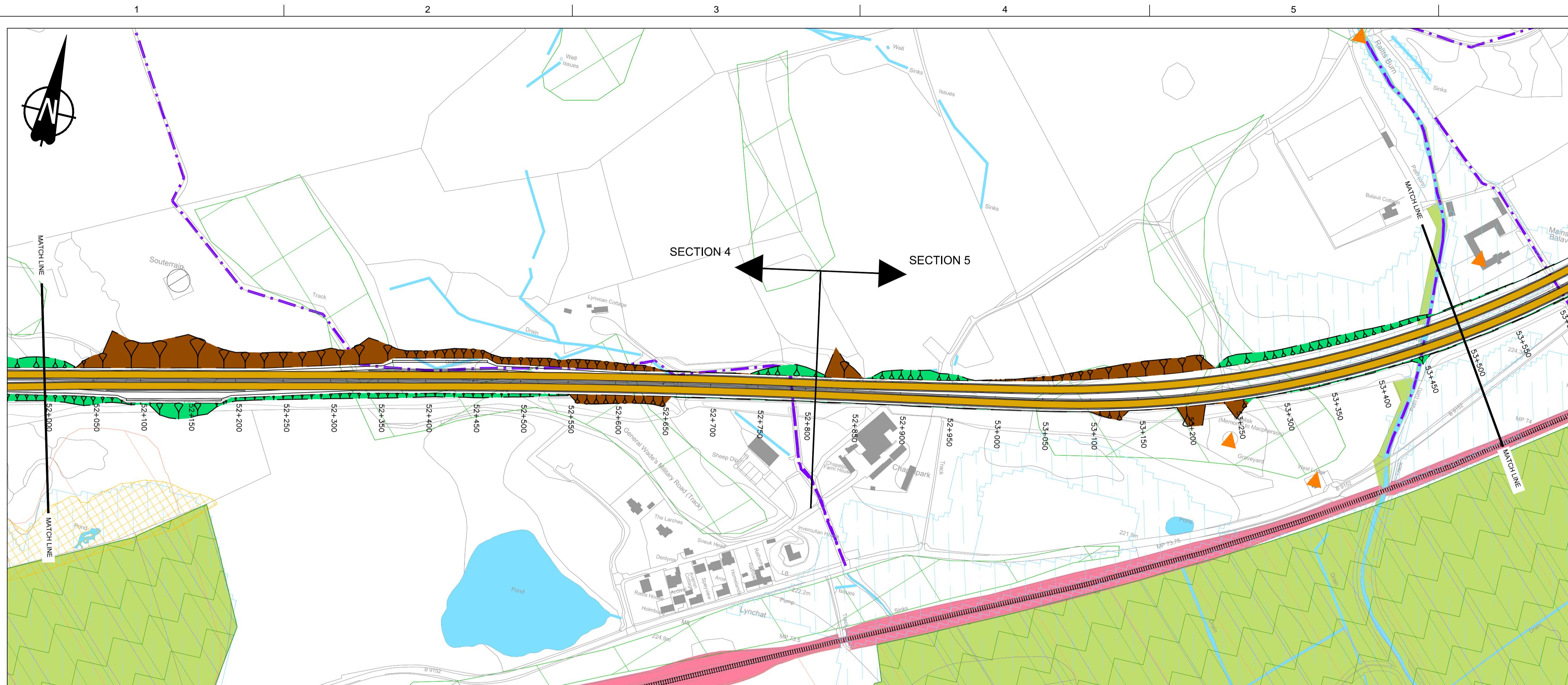
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0008
SHEET:	8 of 12
REVISION:	P01
SUITABILITY:	S2

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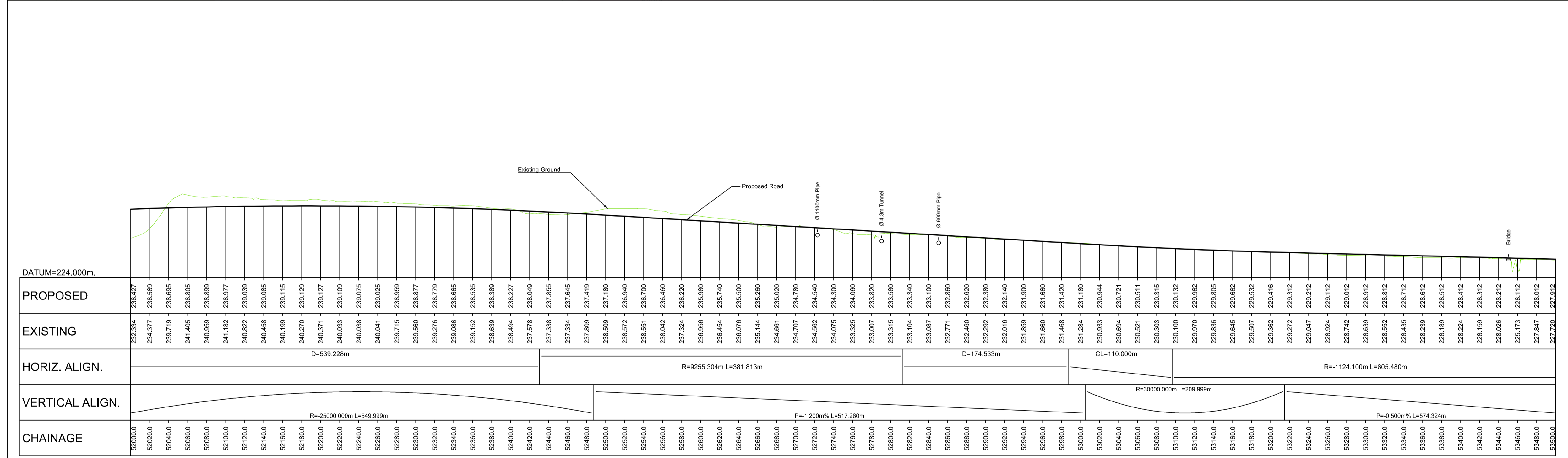
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GENERAL NOTES

- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
- LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.

- LEGEND:**
- HYDROLOGY**
- RIVER / STREAM / LOCHS
 - SEPA FLOOD MAPPING (1:200 YEAR)
- INFRASTRUCTURE**
- BEAULTY TO DENNY PYLONS
 - RAIL
 - BUILDINGS
 - NMU FACILITIES (PEDESTRIAN, CYCLIST AND EQUESTRIAN ROUTES)
 - CARRIAGEWAY
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 - NATIONAL SCENIC AREAS
 - RAMSAR SITE
 - SAC (SPECIAL AREA OF CONSERVATION)
 - SCHEDULED MONUMENTS
 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING



LONG SECTION

SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
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TRANSPORT SCOTLAND
A9 DUALLING
 PERTH TO INVERNESS
 Crubennore to Kincaig

PROJECT 09
CRUBENMORE TO KINCAIG
MAINLINE DMRB - SECTION 4
OPTION 4A & SECTION 5 OPTION 5A

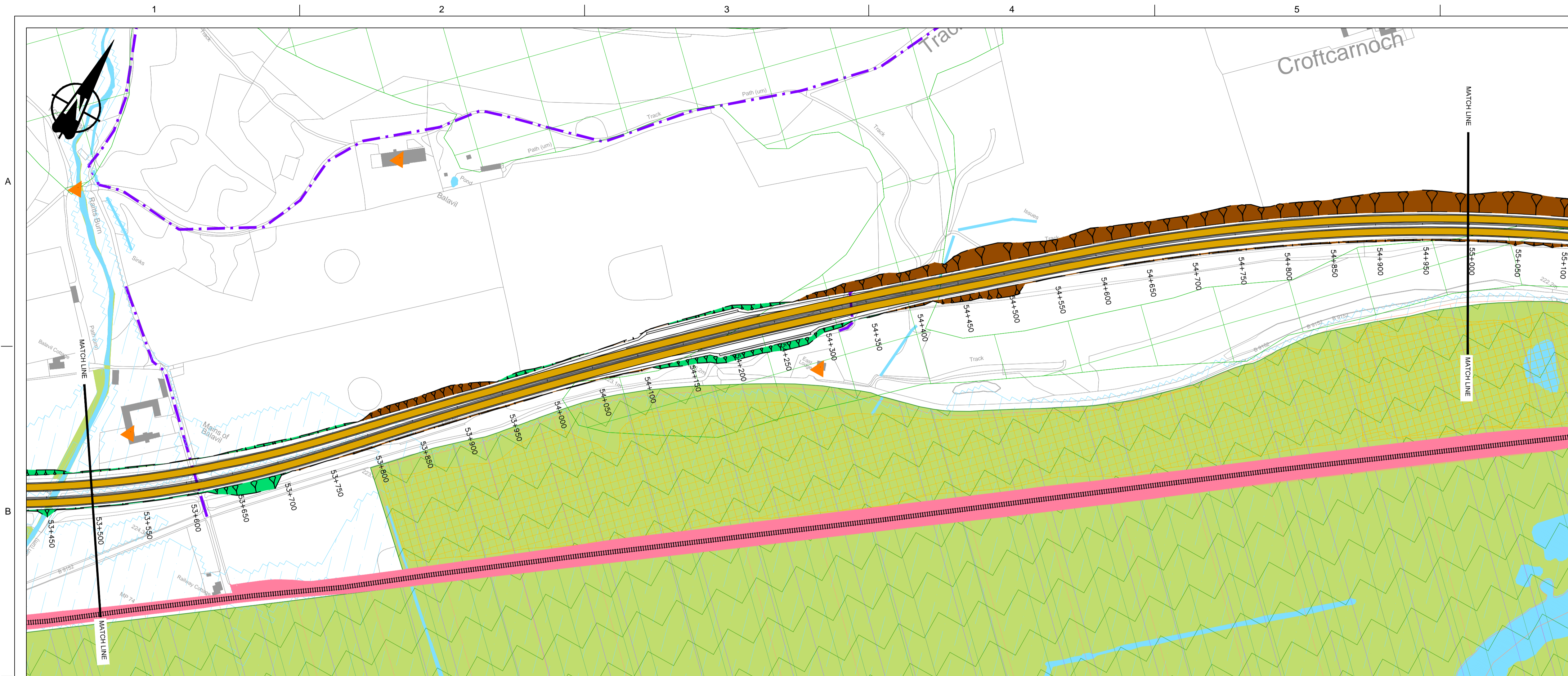
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0009
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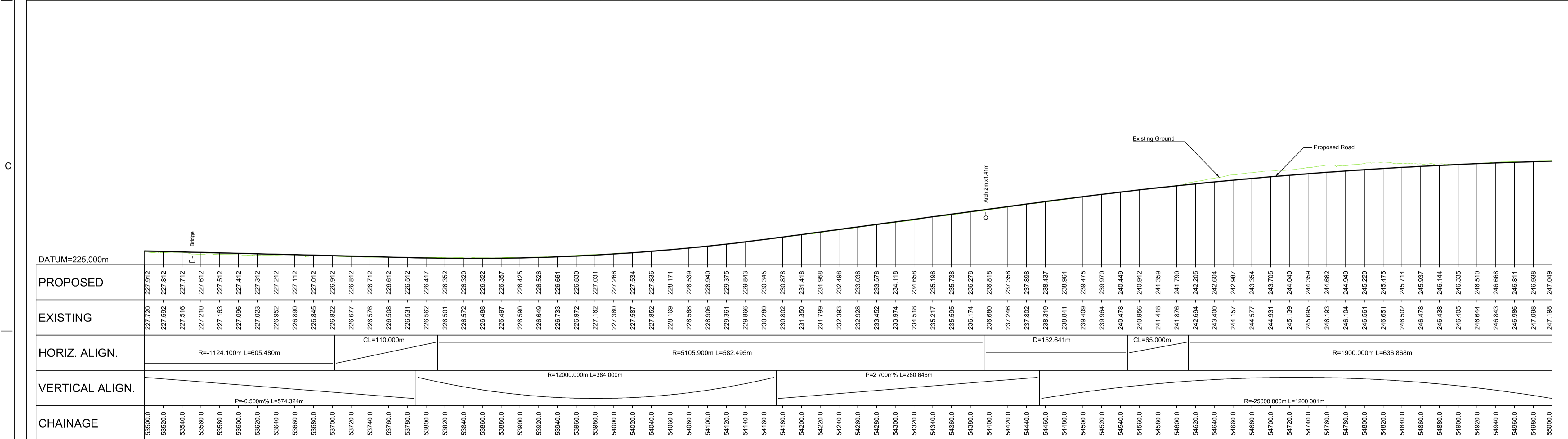
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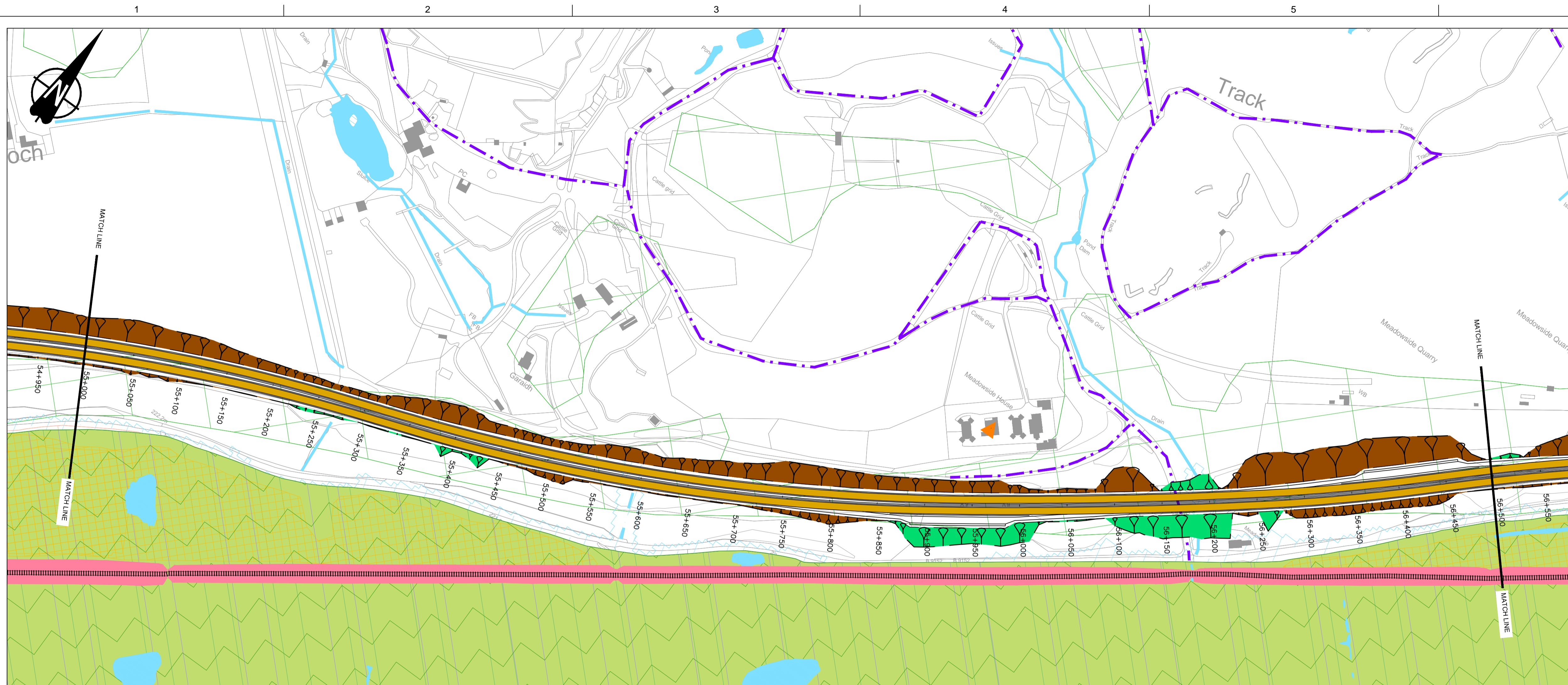


GENERAL NOTES

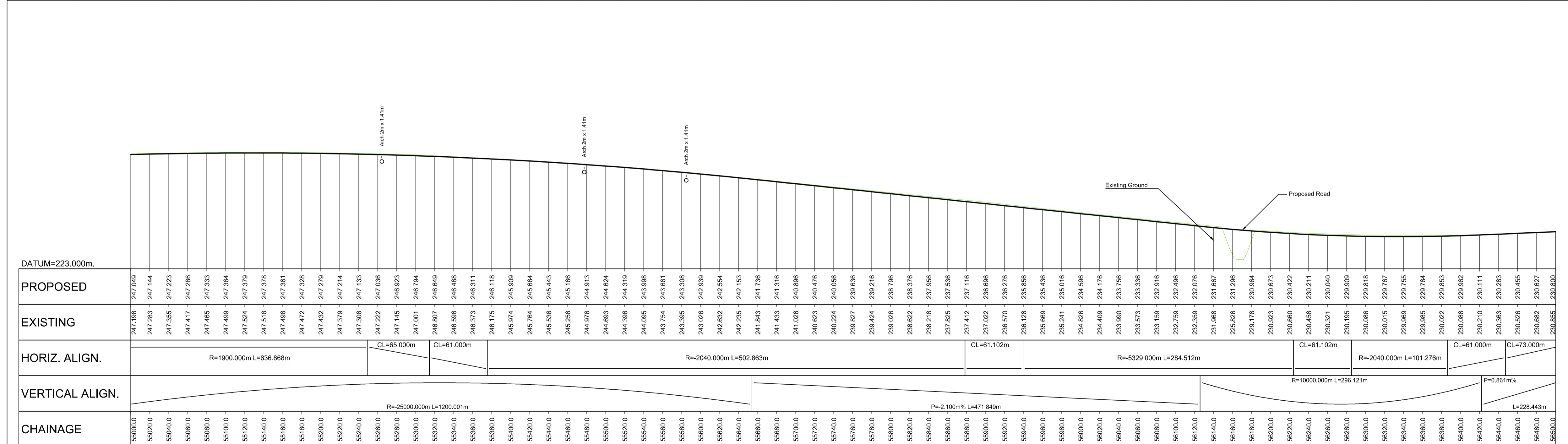
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- LEGEND:**
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 - SPA (SPECIAL PROTECTION AREA)
 - PEAT AREAS
 - ROCK CUTTING





- ### GENERAL NOTES
- ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
 - LOCATION OF EXISTING STRUCTURES INDICATIVE ON LONG SECTION.
- LEGEND:
- HYDROLOGY
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LONG SECTION
SCALE 1:2500H/1:500V

REV	SUIT	DATE	DESCRIPTION	BY	APP
P01	S2	17-11-15	FIRST ISSUE	RY	RG

ch2m FAIRHURST
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PROJECT 09
CRUBENMORE TO KIN CRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 5 OPTION 5A

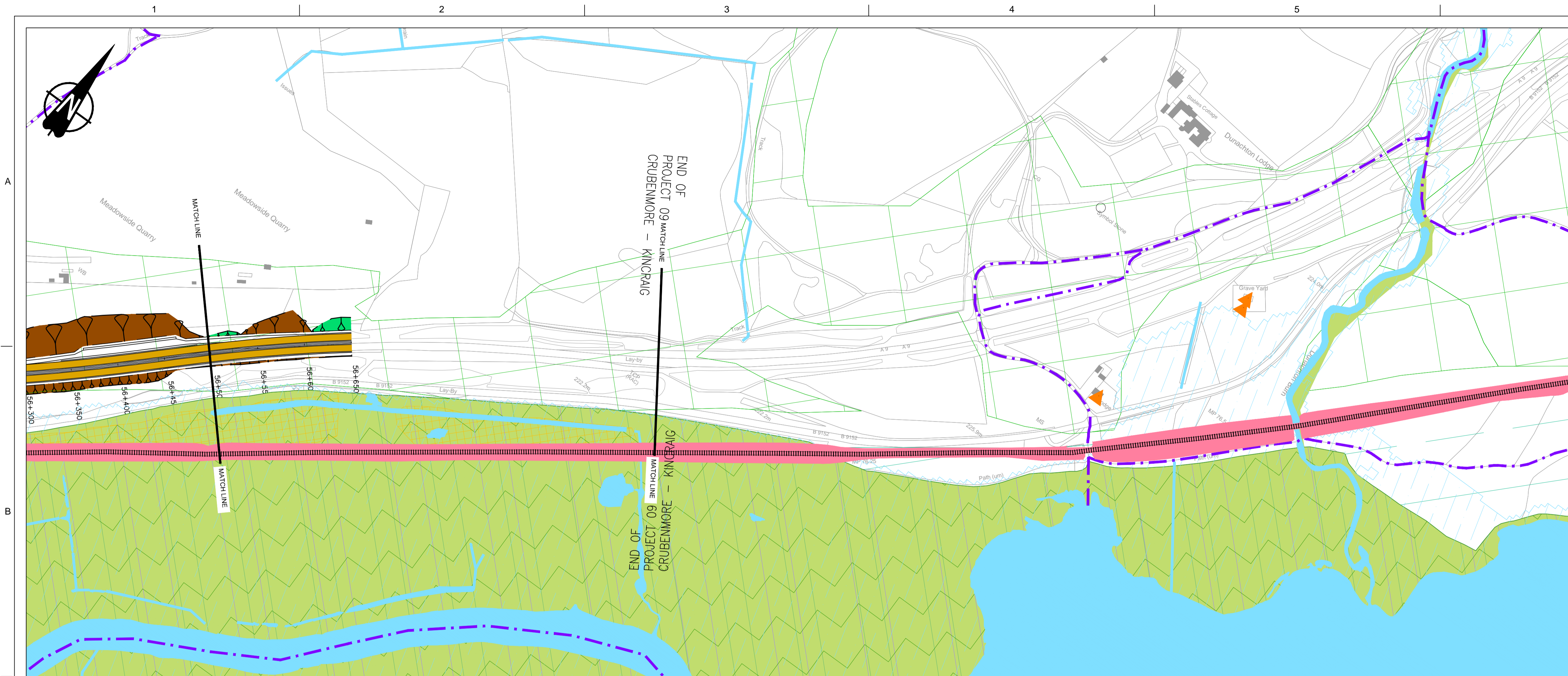
DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0011
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DATUM=229.000m.

PROPOSED	230.855	230.800	230.972	
EXISTING	230.855	231.056	231.144	231.316
		231.455	231.316	231.489
		231.656	231.316	231.489
		231.824	231.489	231.661
		232.029	231.661	231.833
		232.224	231.833	232.005
		232.364	232.005	232.152
		232.459	232.152	232.322

HORIZ. ALIGN. $R=1700.000m$ $L=130.019m$

VERTICAL ALIGN. $P=0.961m\%$ $L=228.443m$

CHAINAGE	56300.0	56320.0	56340.0	56360.0	56380.0	56400.0	56420.0	56440.0	56460.0	56480.0	56500.0
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LONG SECTION
SCALE 1:2500H/1:500V

GENERAL NOTES

1. ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.

- LEGEND:**
- HYDROLOGY**
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P01	S2	17-11-15	FIRST ISSUE	RY	RG
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PROJECT 09
CRUBENMORE TO KINCRAIG
MAINLINE DMRB - ALIGNMENT
SECTION 5 OPTION 5A

DESIGN:	DRAWN:	CHK:	APP:
A Campbell	R Young	B Okunfolami	R Gray

1:2500 at A1

DATE:	22/10/15
PROJ:	97318
DWG:	A9P09-CFJ-HML-F_ML400_ML-DR-RD-0012
SHEET:	12 of 12
REVISION:	P01
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