

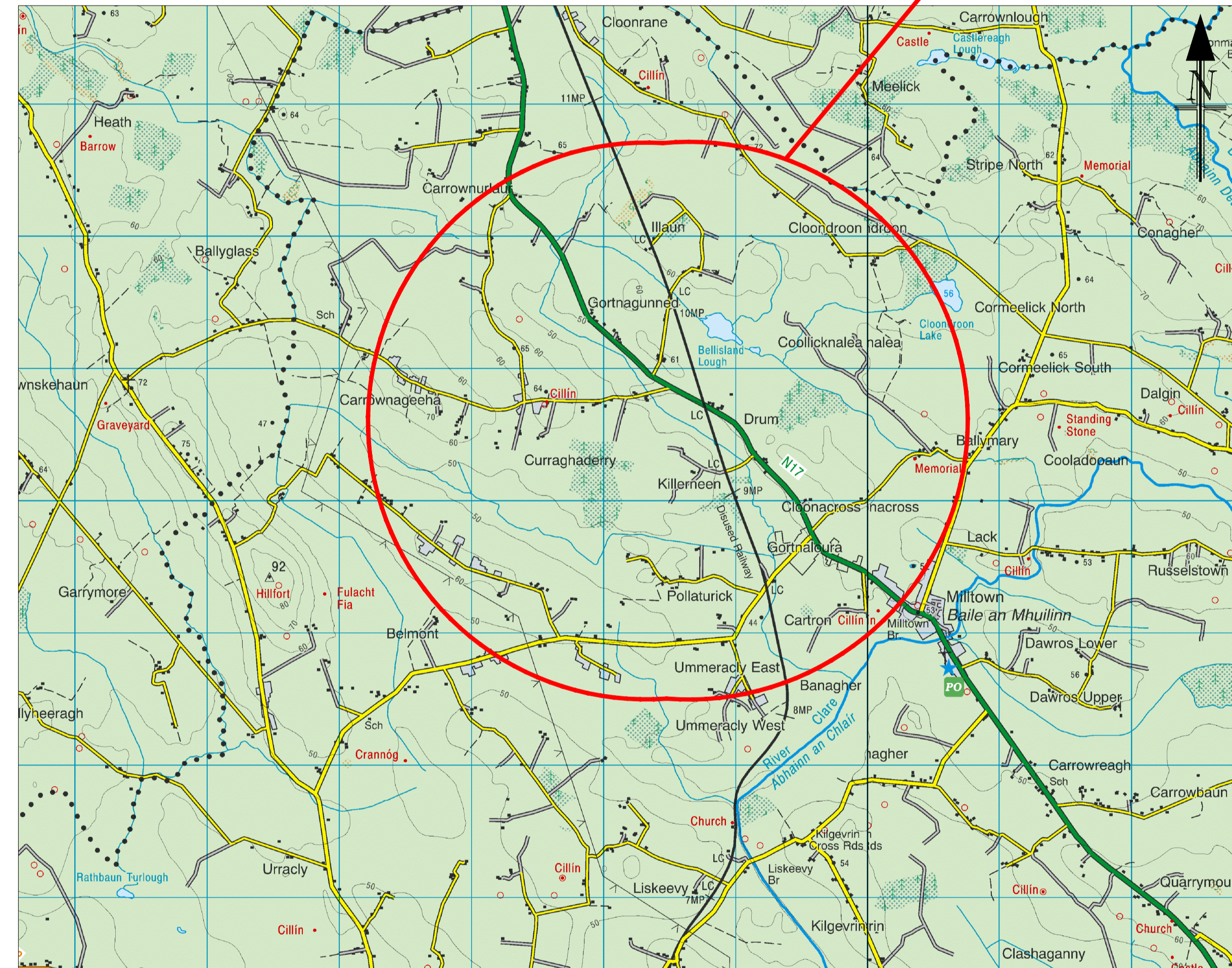
Galway County Council Realignment of the N17 Milltown to Gortnagunned Design Drawings (2021)

Scheme Location



Scheme Location

Site Location



Site Location

National Roads Design Office
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway
Telephone: (091) 509 000
Fax: (091) 509 059

Mr. Derek Pender (BE C.Eng MIEI)
Director of Services,
Infrastructure & Operations Unit,
Galway County Council,
County Hall,
Prospect Hill,
Galway.



N17 REALIGNMENT MILLTOWN TO GORTNAGUNNED

DRAWING LIST (INFORMATION PACK)

PROJECT NO: GC/16/13415



DRAWING TITLE	DRAWING NO.	DRAWING TITLE	DRAWING NO.
SITE LOCATION			
SITE LOCATION PLAN	SL-01	SIDE ROAD-L22087	CS-20
SCHEME LAYOUT PLAN	SL-02	SIDE ROAD-L6413	CS-21
SITE EXTENTS PLAN PART1	SE-01	SIDE ROAD-L2208	CS-22
SITE EXTENTS PLAN PART2	SE-02	SIDE ROAD-L64131	CS-23
SITE EXTENTS PLAN PART3	SE-03		
SITE EXTENTS PLAN PART4	SE-04		
LAND MADE AVAILABLE PART1	LMA-01		
LAND MADE AVAILABLE PART2	LMA-02		
MAINLINE GEOMETRICS		DRAINAGE	
HORIZONTAL & VERTICAL ALIGNMENT CH. 0 - CH.750	GE-01	DRAINAGE LAYOUT MAINLINE CH 0 - CH 650	DR-01
HORIZONTAL & VERTICAL ALIGNMENT CH. 750 - CH. 1500	GE-02	DRAINAGE LAYOUT MAINLINE CH 650 - CH 1400	DR-02
HORIZONTAL & VERTICAL ALIGNMENT CH. 1500 - CH. 2250	GE-03	DRAINAGE LAYOUT MAINLINE CH 1400 - CH 2200	DR-03
HORIZONTAL & VERTICAL ALIGNMENT CH. 2250 - CH. 2945	GE-04	DRAINAGE LAYOUT MAINLINE CH 2200 - CH 2945	DR-04
		OPEN DRAIN'S LAYOUT MAINLINE CH 0 - CH 650	OD-01
		OPEN DRAIN'S LAYOUT MAINLINE CH 650 - CH 1400	OD-02
		OPEN DRAIN'S LAYOUT MAINLINE CH 1400 - CH 2200	OD-03
		OPEN DRAIN'S LAYOUT MAINLINE CH 2200 - CH 2945	OD-04
SIDE ROAD GEOMETRICS		DRAINAGE DETAILS	DD-01
HORIZONTAL & VERTICAL ALIGNMENT OF SIDE ROADS & LINK ROADS	GE-05	DRAINAGE DETAILS	DD-02
		DRAINAGE DETAILS	DD-03
		DRAINAGE DETAILS	DD-04
		DRAINAGE DETAILS	DD-05
DETAILED CROSS-SECTIONS		ACCOMMODATION WORKS	
DETAILED CROSS SECTIONS	DCS-01	ACCOMMODATION WORKS MAINLINE CH 0 -CH 650	AC-01
DETAILED CROSS SECTIONS	DCS-02	ACCOMMODATION WORKS MAINLINE CH 650 - CH 1400	AC-02
		ACCOMMODATION WORKS MAINLINE CH 1400 - CH 2200	AC-03
		ACCOMMODATION WORKS MAINLINE CH 2200 - CH 2945	AC-04
MAINLINE CROSS-SECTIONS		UTILITIES WORKS	
MAINLINE CH. 0 - CH. 160	CS-01	EXISTING GROUP WATER SCHEME	EGWS-01
MAINLINE CH. 180 - CH. 340	CS-02	EXISTING GROUP WATER SCHEME	EGWS-02
MAINLINE CH. 360 - CH. 520	CS-03	PROPOSED WATERMANS SCHEME	PW-01
MAINLINE CH. 540 - CH. 700	CS-04	PROPOSED WATERMANS SCHEME	PW-02
MAINLINE CH. 720 - CH. 880	CS-05	PROPOSED WATERMANS SCHEME	PW-03
MAINLINE CH. 900 - CH. 1060	CS-06	PROPOSED WATERMANS SCHEME	PW-04
MAINLINE CH. 1080 - CH. 1240	CS-07		
MAINLINE CH. 1260 - CH. 1420	CS-08		
MAINLINE CH. 1440 - CH.1600	CS-09		
MAINLINE CH. 1620 - CH. 1780	CS-10		
MAINLINE CH. 1800 - CH. 1960	CS-11		
MAINLINE CH. 1980 - CH. 2140	CS-12		
MAINLINE CH. 2160 - CH. 2320	CS-13		
MAINLINE CH. 2340 - CH. 2500	CS-14		
MAINLINE CH. 2520 - CH. 2680	CS-15		
MAINLINE CH. 2700 - CH. 2860	CS-16		
MAINLINE CH. 2880 - CH. 2945	CS-17		
OTHER CROSS-SECTIONS			
SIDE ROAD-L22271	CS-18		
SIDE ROADS-L2227	CS-19		



N17 REALIGNMENT MILLTOWN TO GORTNAGUNNED

DRAWING LIST



DRAWING TITLE

DRAWING NO.

DRAWING TITLE

DRAWING NO.

ESB

ESB-01

ESB

ESB-02

PROPOSED EIR ROUTE

PE-01

PROPOSED EIR ROUTE

PE-02

PROPOSED EIR ROUTE

PE-03

PROPOSED EIR ROUTE

PE-04

CHAMBER SIZE TO TII PUBLICATION CC-SCD-00564

EIR-01

EXISTING EIR ROUTE

EE-01

EXISTING EIR ROUTE

EE-02

EXISTING EIR ROUTE

EE-03

EXISTING EIR ROUTE

EE-04

EXISTING FOUL SEWER NETWORK

FS-01

PROPOSED PUBLIC LIGHTS LOCATIONS

PL-01

MAMMAL CROSSING'S

PROPOSED MAMMAL LOCATION'S

MC-01

CULVERT CROSSING'S

PROPOSED CULVERT LOCATION'S CH 0-650

CUL-01

PROPOSED CULVERT LOCATION'S CH 650-1400

CUL-02

PROPOSED CULVERT LOCATION'S CH 1400-2200

CUL-03

PROPOSED CULVERT LOCATION'S CH 2200-2945

CUL-04

PLANTING & VEGETATION

PROPOSED & EXISTING PLANTING LOCATION'S CH 0-650

PP-01

PROPOSED & EXISTING PLANTING LOCATION'S CH 650-1400

PP-02

PROPOSED & EXISTING PLANTING LOCATION'S CH 1400-2200

PP-03

PROPOSED & EXISTING PLANTING LOCATION'S CH 2200-2945

PP-04

ROAD MARKINGS

PROPOSED ROAD MARKINGS MAINLINE CH 0-750

RM-01

PROPOSED ROAD MARKINGS MAINLINE CH 750-1500

RM-02

PROPOSED ROAD MARKINGS MAINLINE CH 1500-2250

RM-03

PROPOSED ROAD MARKINGS MAINLINE CH 2250-2945

RM-04

TRAFFIC SIGNAGE

PROPOSED ROAD SIGNAGE MAINLINE CH 0-750

RS-01

PROPOSED ROAD SIGNAGE MAINLINE CH 750-1500

RS-02

PROPOSED ROAD SIGNAGE MAINLINE CH 1500-2250

RS-03

PROPOSED ROAD SIGNAGE MAINLINE CH 2250-2945

RS-04

PROPOSED ROAD SIGNAGE

RS-05

PROPOSED ROAD SIGNAGE

RS-06

VEHICLE RESTRAINT SYSTEMS

PROPOSED VRS LOCATION'S MAINLINE CH 0-650

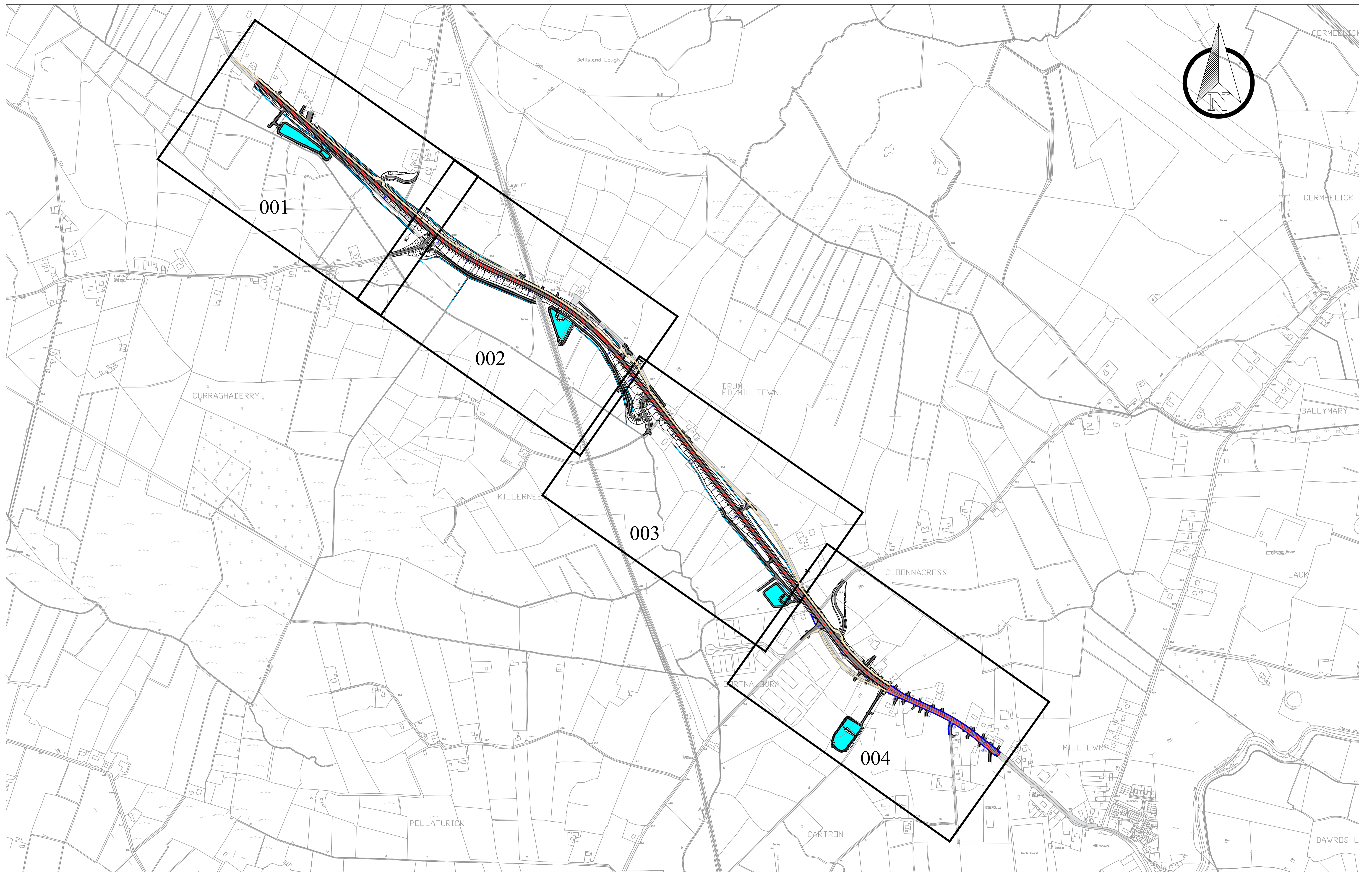
VRS-01

PROPOSED VRS LOCATION'S MAINLINE CH 650-1400

VRS-02

PROPOSED VRS LOCATION'S MAINLINE CH 1400-2200

VRS-03

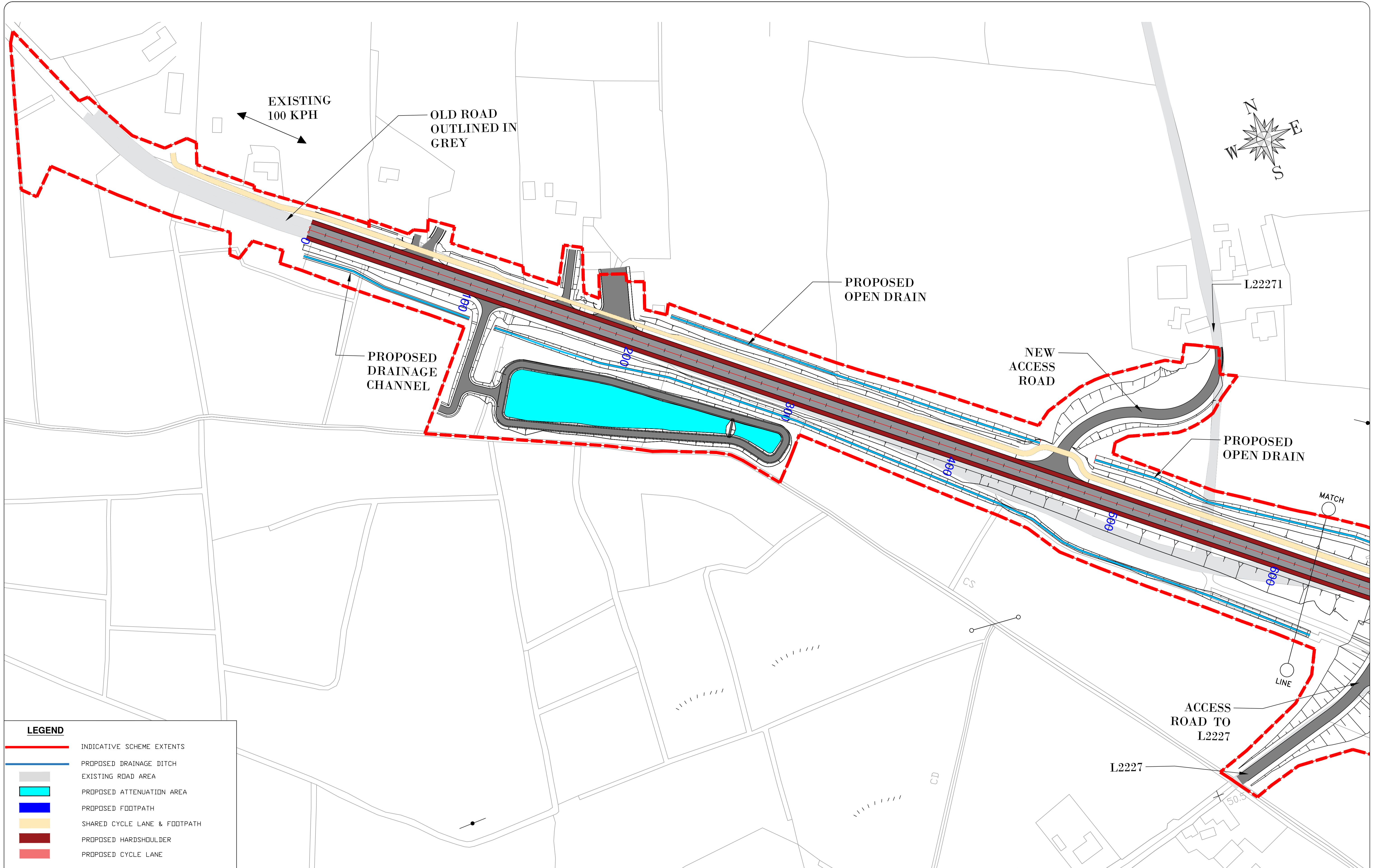


National Roads Project Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

Jim Cullen,
Director of Services,
Roads and Transportation,
Galway County Council

REVISION	MADE BY	DATE

PROJECT	N17 Milltown to Gortnagunned		
COMPONENT	Design Drawings		
TITLE	Proposed Scheme Layout Plan		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:5000 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			SL-02



LEGEND

	INDICATIVE SCHEME EXTENTS
	PROPOSED DRAINAGE DITCH
	EXISTING ROAD AREA
	PROPOSED ATTENUATION AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE

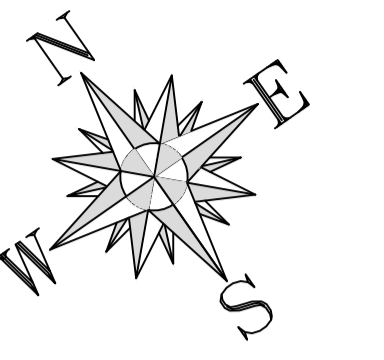
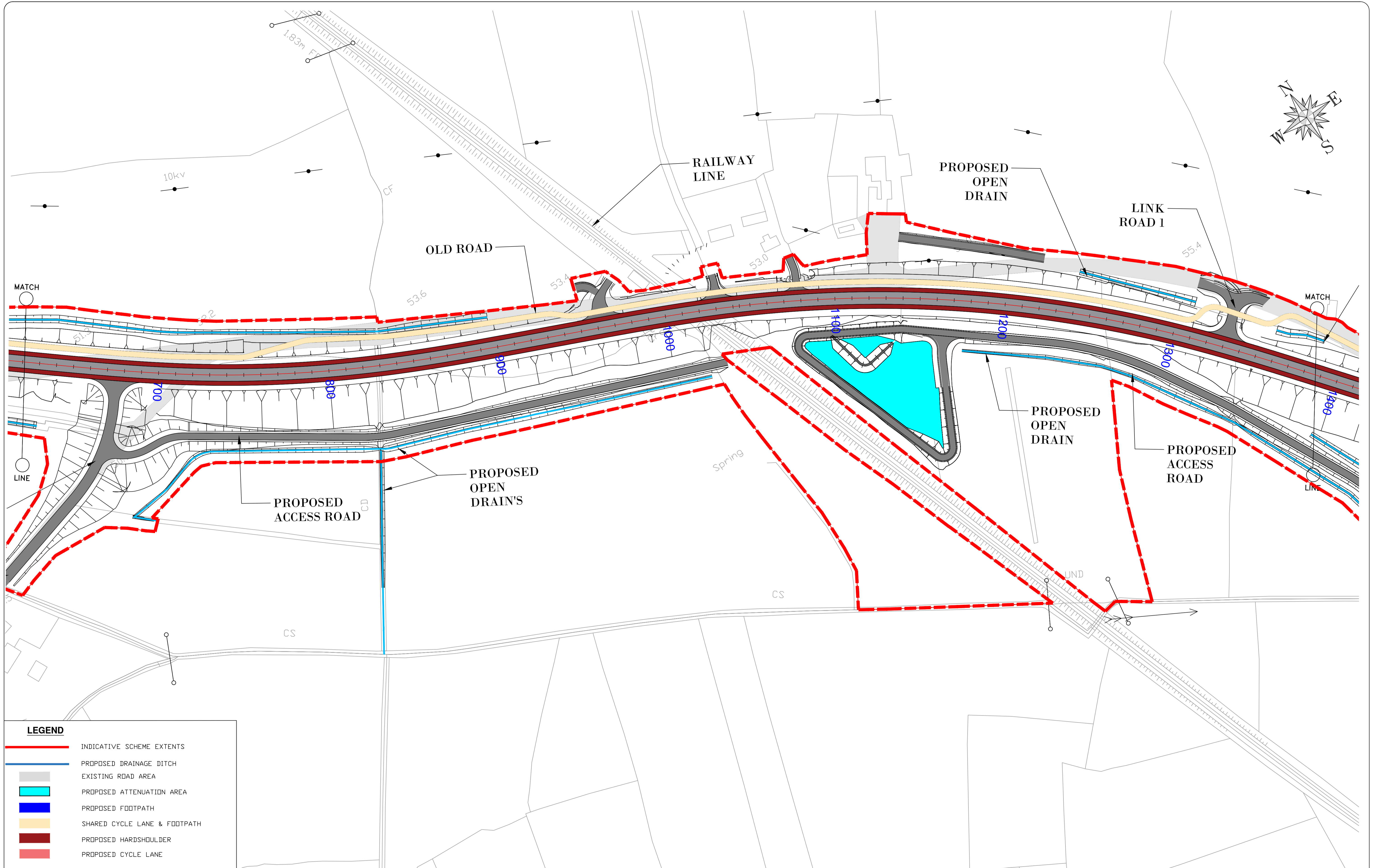



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 Galway County Council

National Roads Design Office,
 Galway County Council,
 Corporate House,
 Ballybrit Business Park,
 Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Site Extents Part 1		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			SE-01



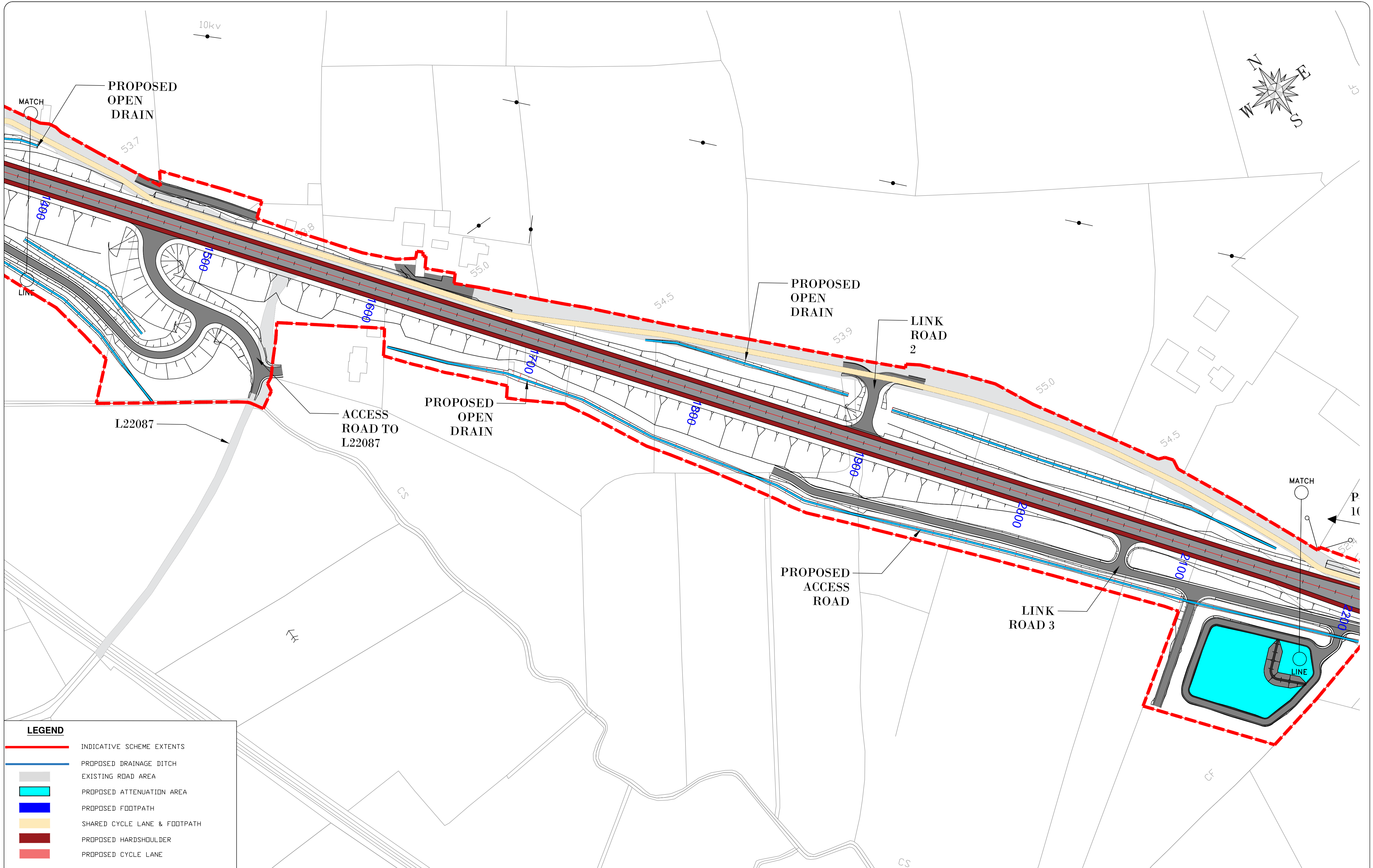
LEGEND

	INDICATIVE SCHEME EXTENTS
	PROPOSED DRAINAGE DITCH
	EXISTING ROAD AREA
	PROPOSED ATTENUATION AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE

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Galway County Council,
Corporate House,
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Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Site Extents Part 2		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			SE-02



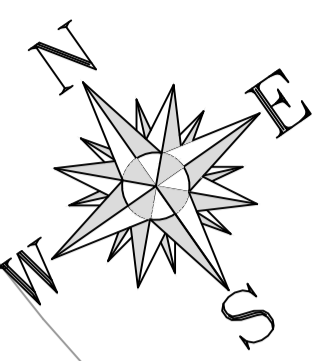
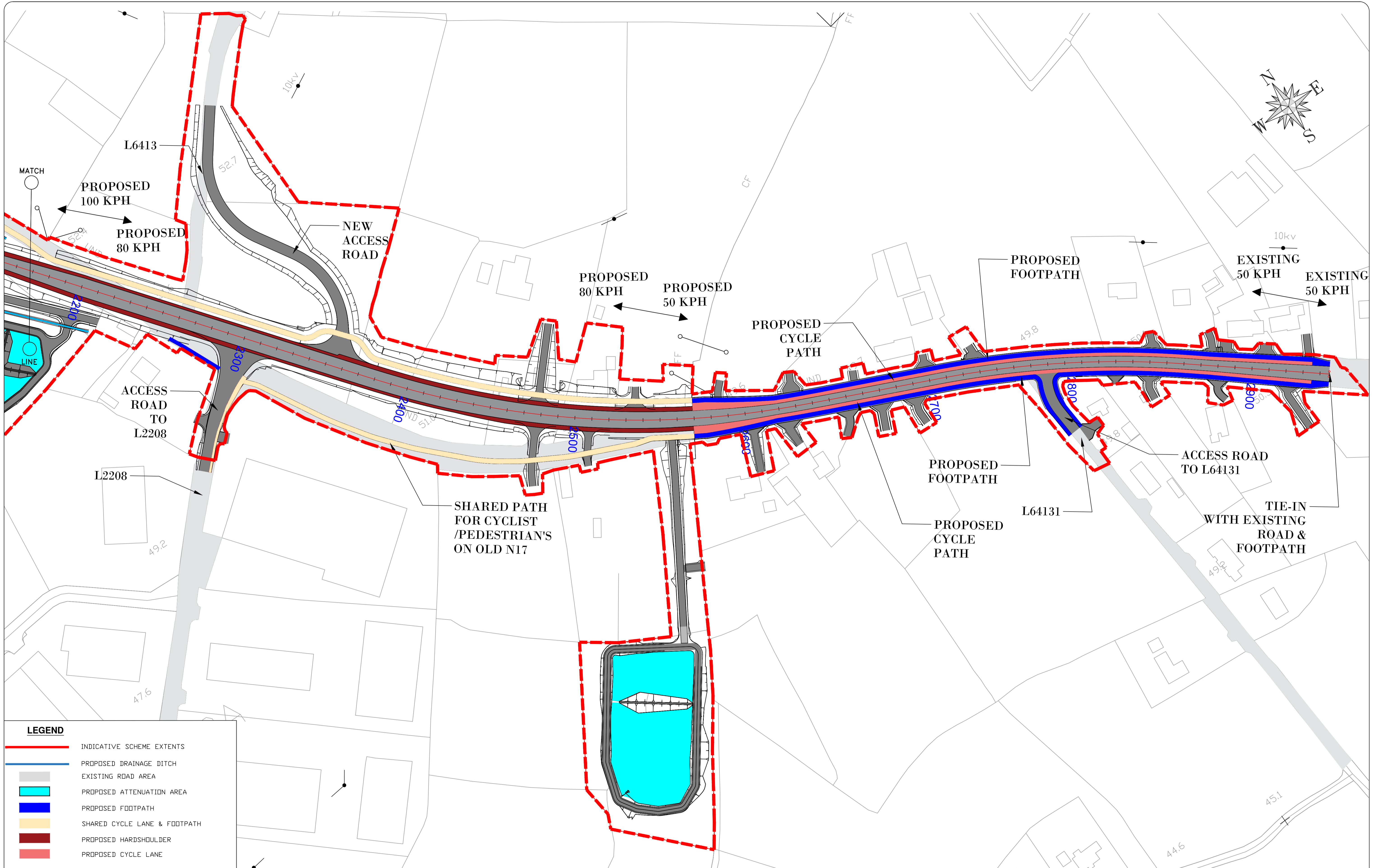
LEGEND

	INDICATIVE SCHEME EXTENTS
	PROPOSED DRAINAGE DITCH
	EXISTING ROAD AREA
	PROPOSED ATTENUATION AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Site Extents Part 3		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:1000 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			SE-03



LEGEND

- INDICATIVE SCHEME EXTENTS
- PROPOSED DRAINAGE DITCH
- EXISTING ROAD AREA
- PROPOSED ATTENUATION AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE



Bonneagair Iompair Éireann
Transport Infrastructure Ireland



Project Ireland 2040
Building Ireland's Future



GALWAY
NATIONAL ROADS
PROJECT OFFICE

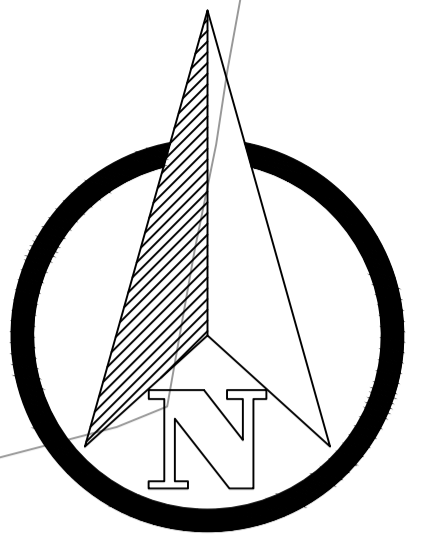


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Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.


REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned	
COMPONENT: Design Drawings	
TITLE: Site Extents Part 4	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALE: 1:1000 @ A1
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: SE-04	



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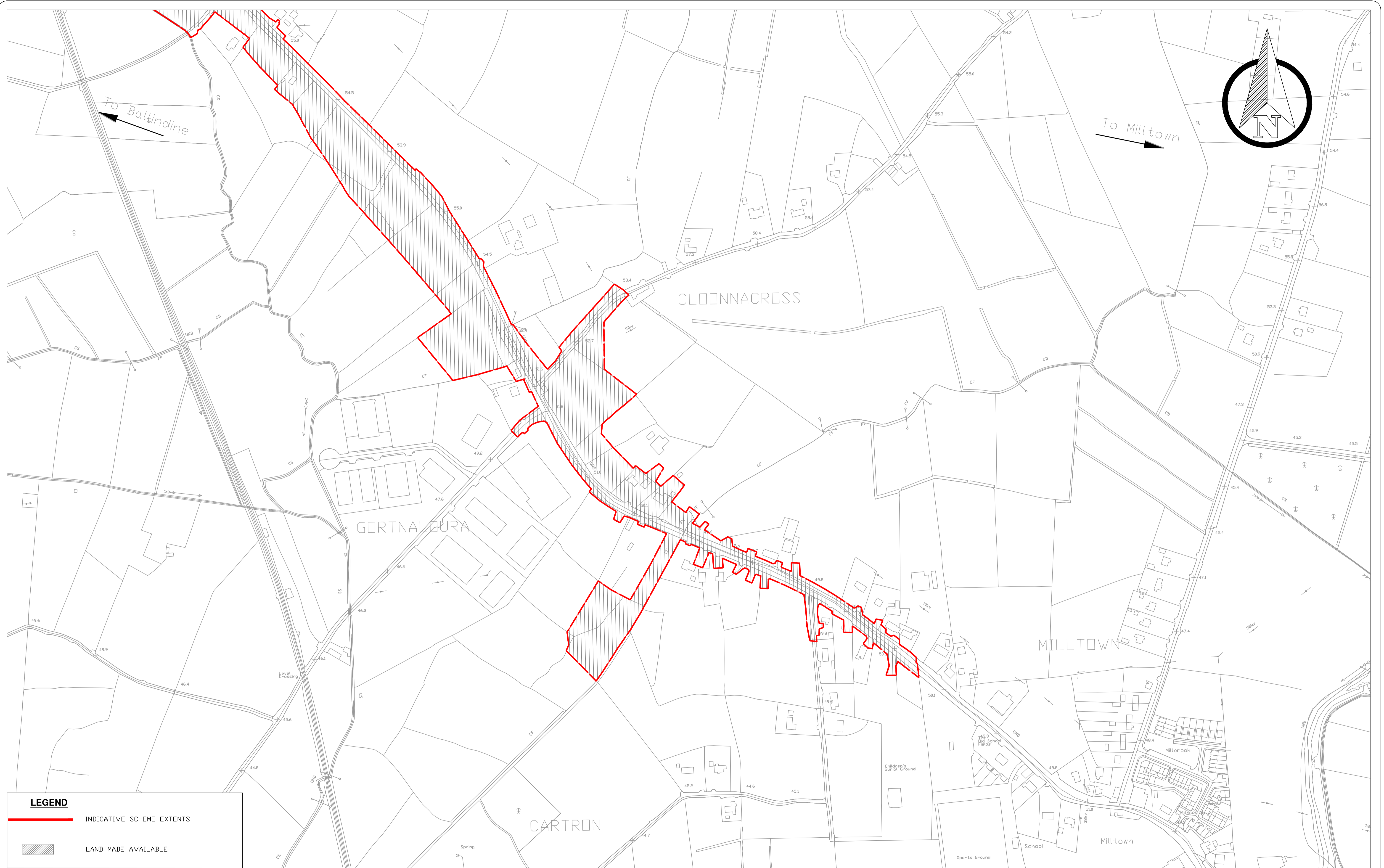
 INDICATIVE SCHEME EXTENTS

 LAND MADE AVAILABLE


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Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.


REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunned	
COMPONENT: Design Drawings	
TITLE: Land Made Available Part 1	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:2500 @ A1.
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: LMA-01	



LEGEND

 INDICATIVE SCHEME EXTENTS

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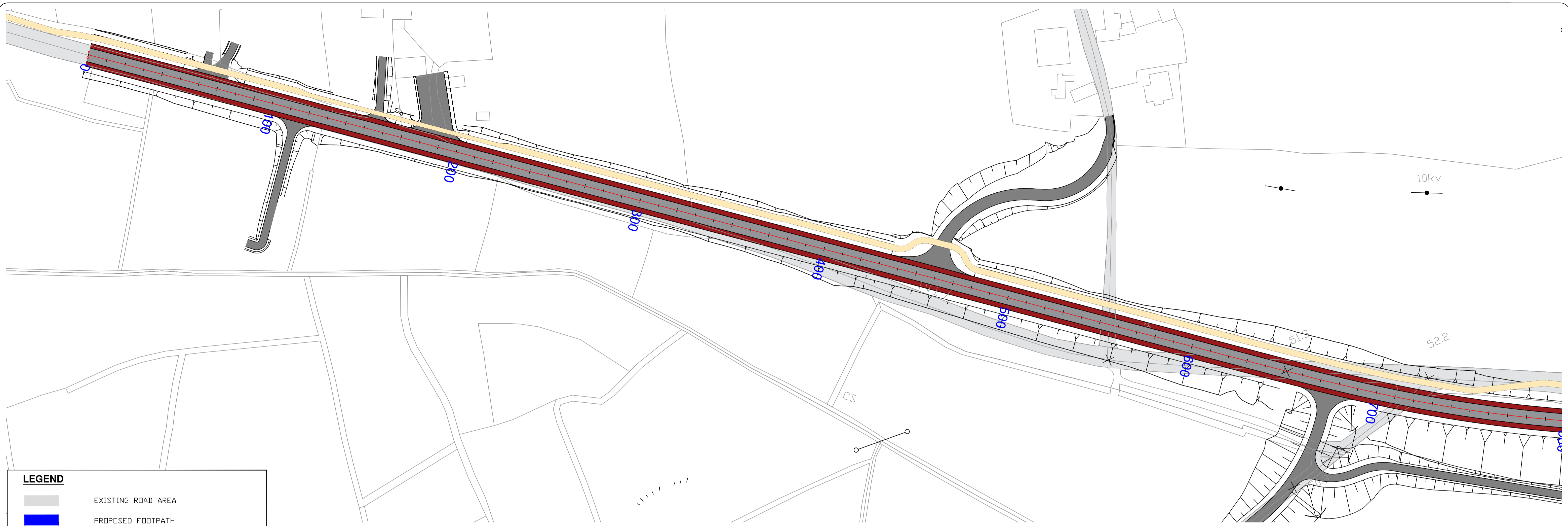



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Galway County Council,
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Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunned	
COMPONENT: Design Drawings	
TITLE: Land Made Available Part 2	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALE: 1:2500 @ A1
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: LMA-02	

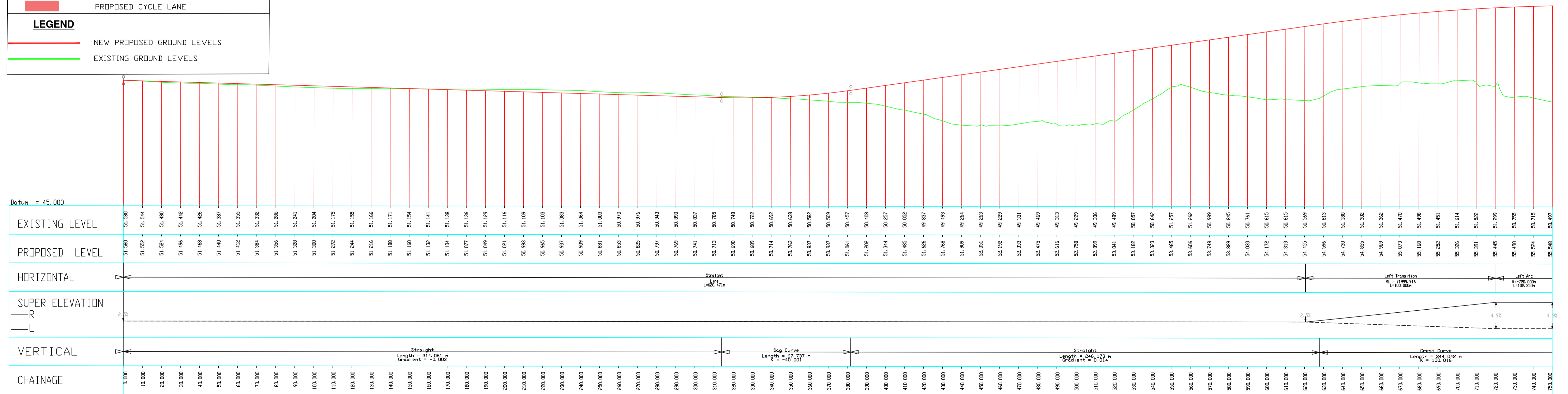


LEGEND

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE

LEGEND

- NEW PROPOSED GROUND LEVELS
- EXISTING GROUND LEVELS



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Galway County Council,
Corporate House,
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Galway.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned

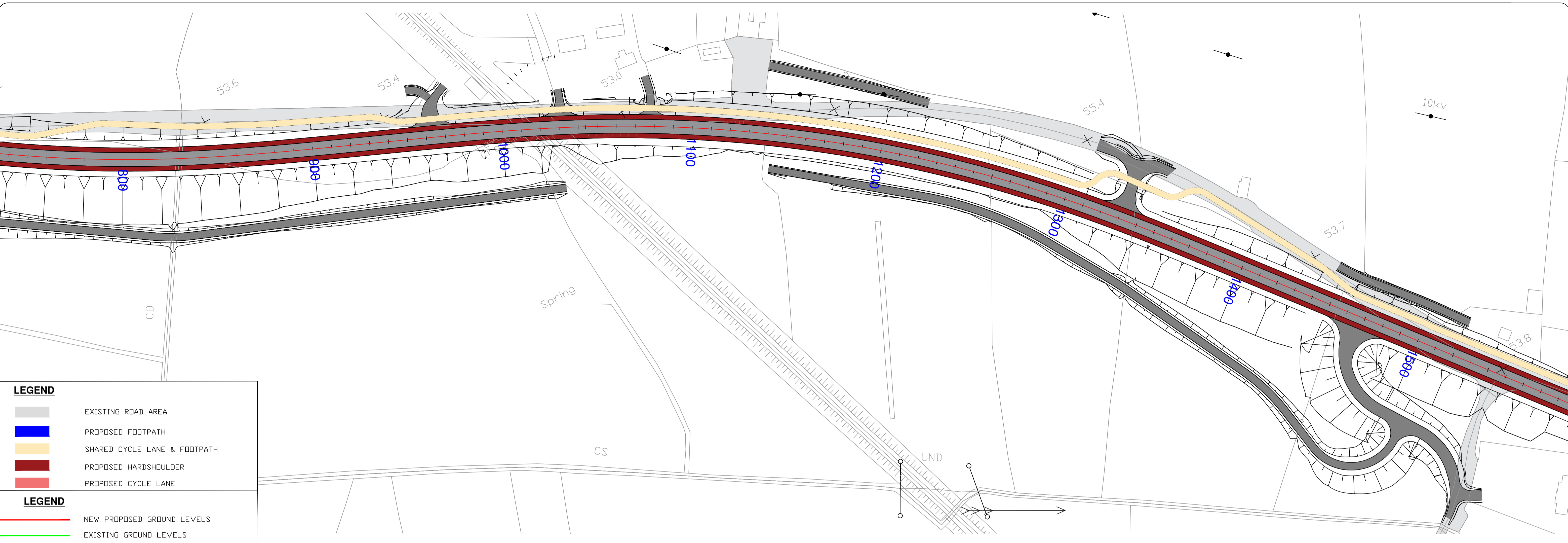
COMPONENT: Design Drawings

TITLE: Mainline Geometrics Sheet 1-Ch0- 750

DESIGNED BY: S.B. **FILE NO.:**

DRAWN BY: A.M. **SCALES:** 1:1000 @ A1

CHECKED BY: S.B. **DATE:** November 2021 **DRAWING NO.:** GE-01

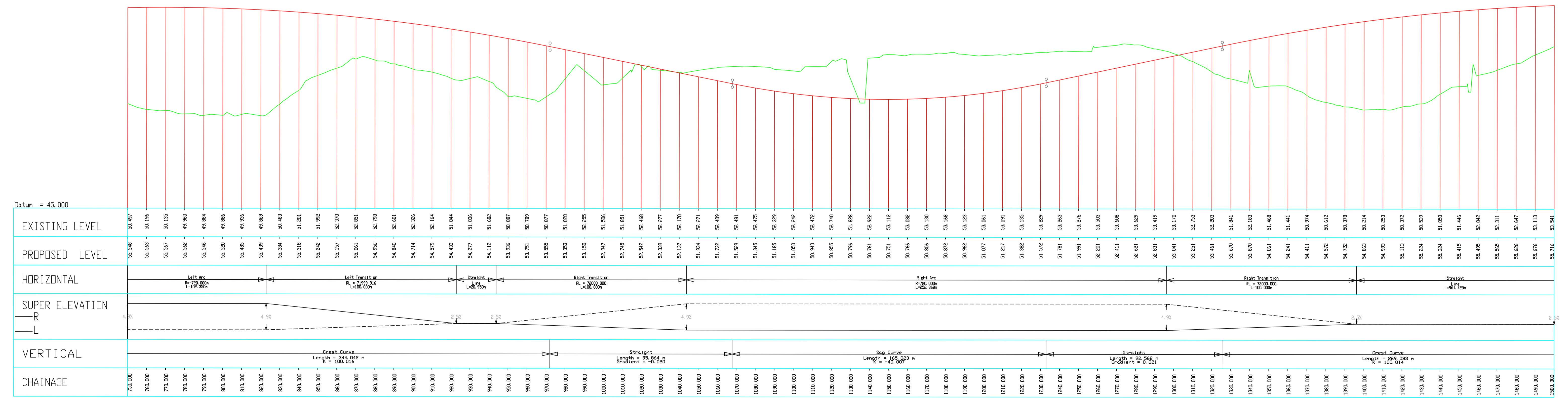


LEGEND

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE

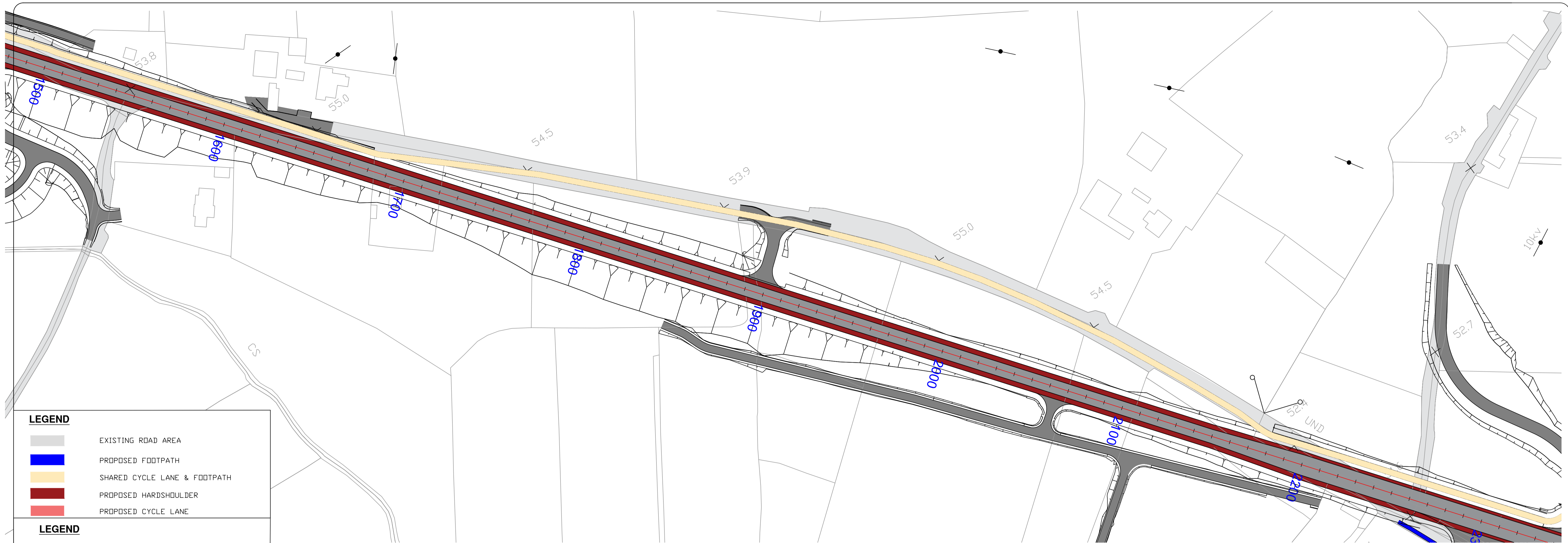
LEGEND

- NEW PROPOSED GROUND LEVELS
- EXISTING GROUND LEVELS



REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunned	
COMPONENT Design Drawings	
TITLE Mainline Geometrics Sheet 2-Ch750-1500	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000 @ A1
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: GE-02	

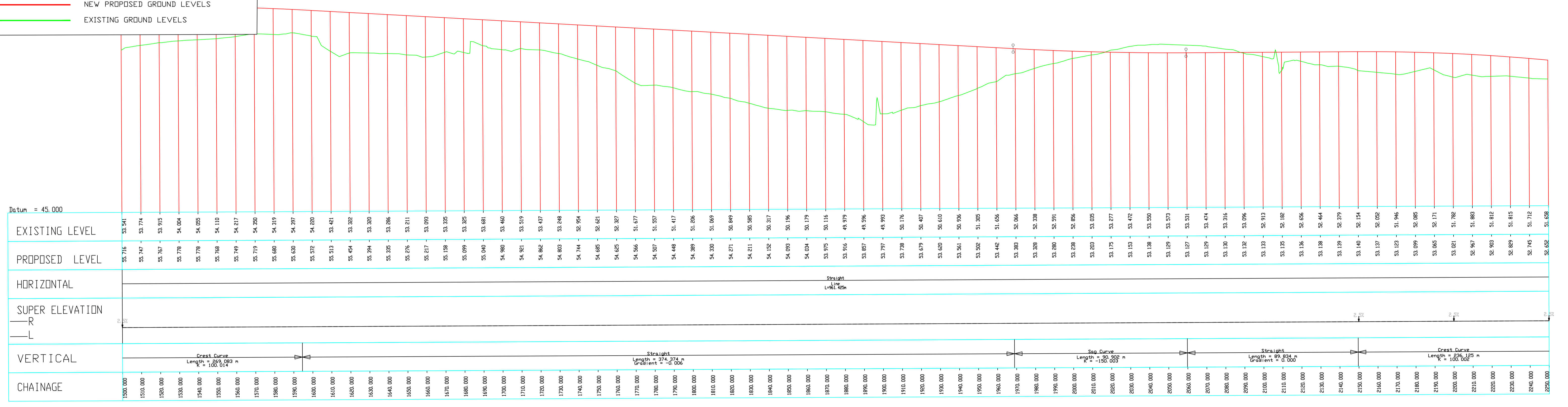


LEGEND

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE

LEGEND

- NEW PROPOSED GROUND LEVELS
- EXISTING GROUND LEVELS



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Galway.

REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunned

COMPONENT: Design Drawings

TITLE: Mainline Geometrics Sheet 3-Ch 1500 - Ch 2250

DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000 @ A1
CHECKED BY: S.B.	DATE: November 2021

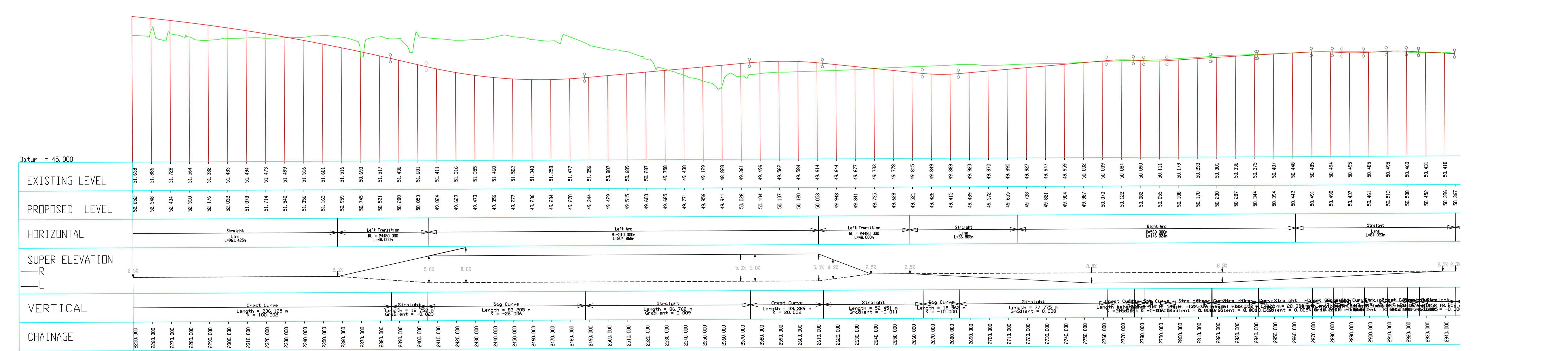
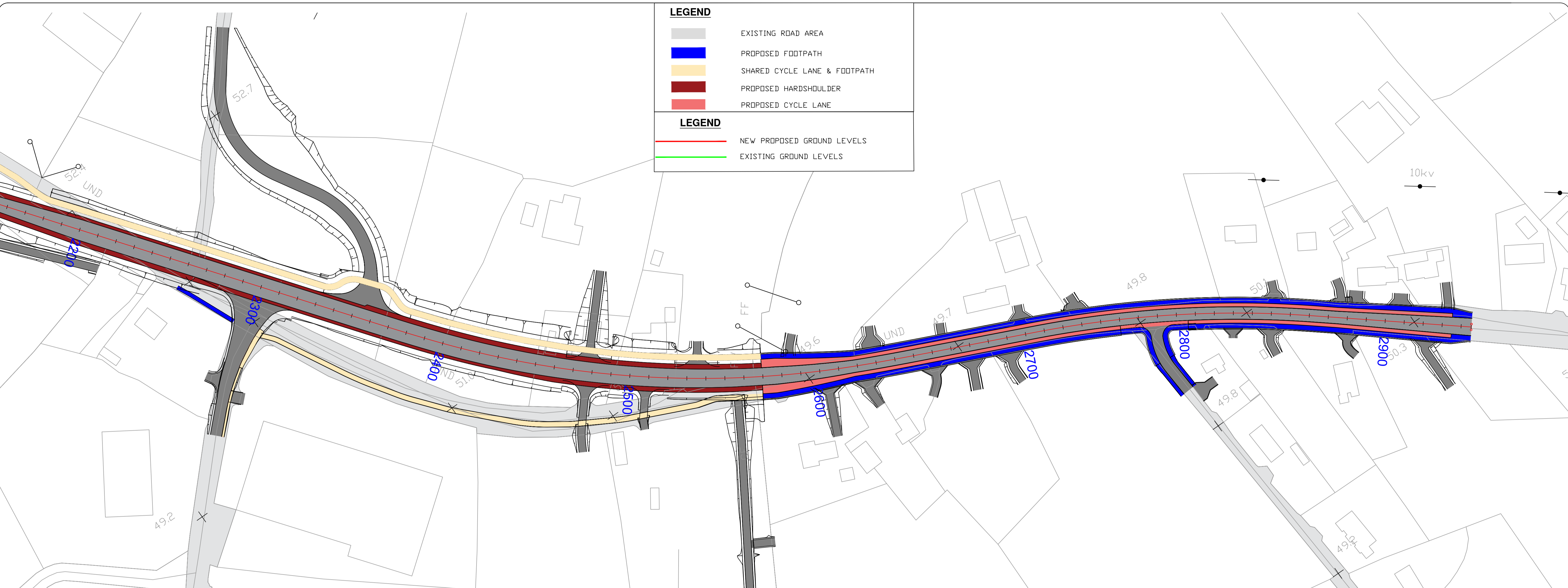
DRAWING NO.: GE-03

LEGEND

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE

LEGEND

- NEW PROPOSED GROUND LEVELS
- EXISTING GROUND LEVELS









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Galway County Council

National Roads Design Office,
Galway County Council,
Corporate House,
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Galway.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned

COMPONENT: Design Drawings

TITLE: Mainline Geometrics Sheet 4-Ch 2250 - Ch 2945

DESIGNED BY: S.B. FILE NO.:

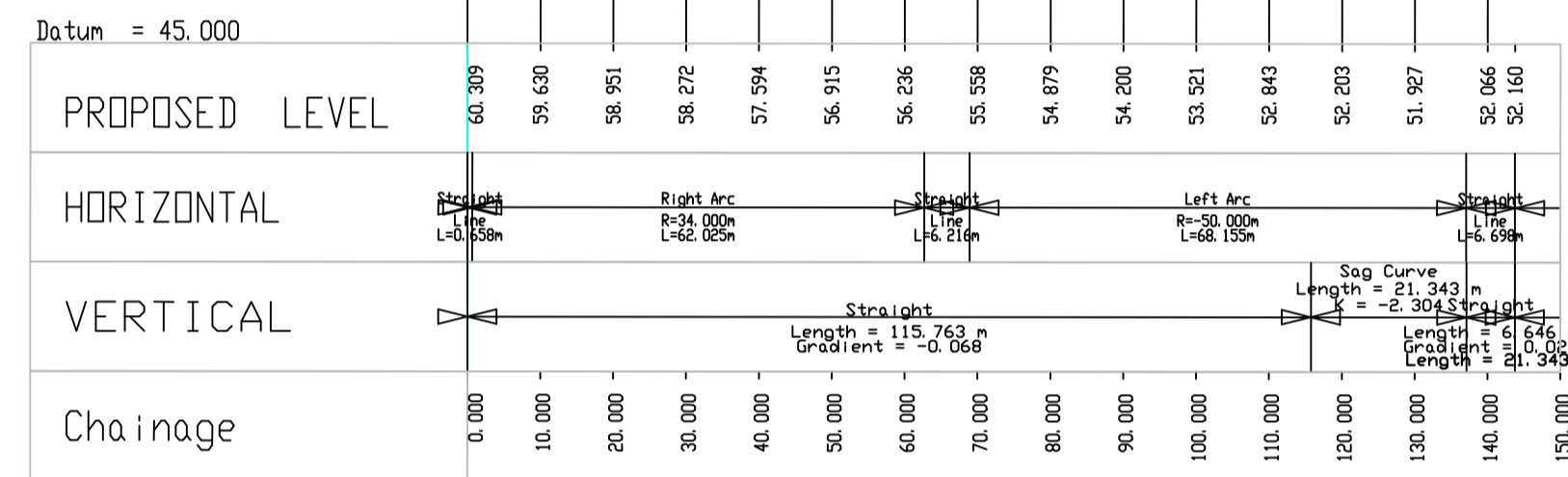
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CHECKED BY: S.B. DATE: November 2021 DRAWING NO.: GE-04

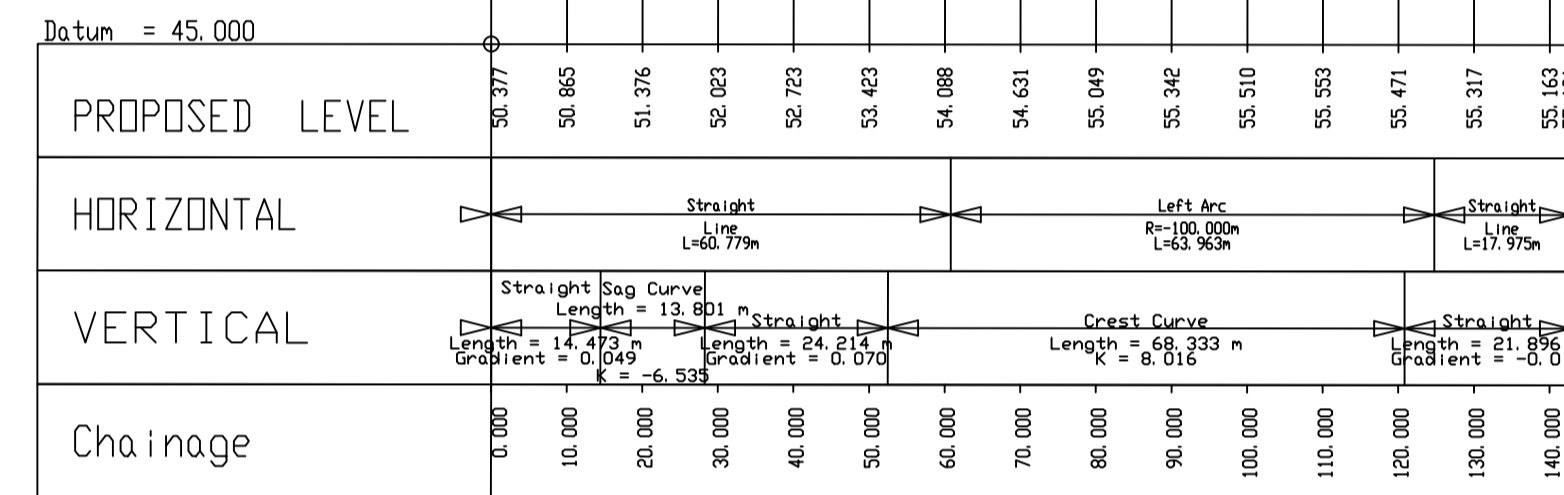
LEGEND

- NEW PROPOSED GROUND LEVELS
- EXISTING GROUND LEVELS

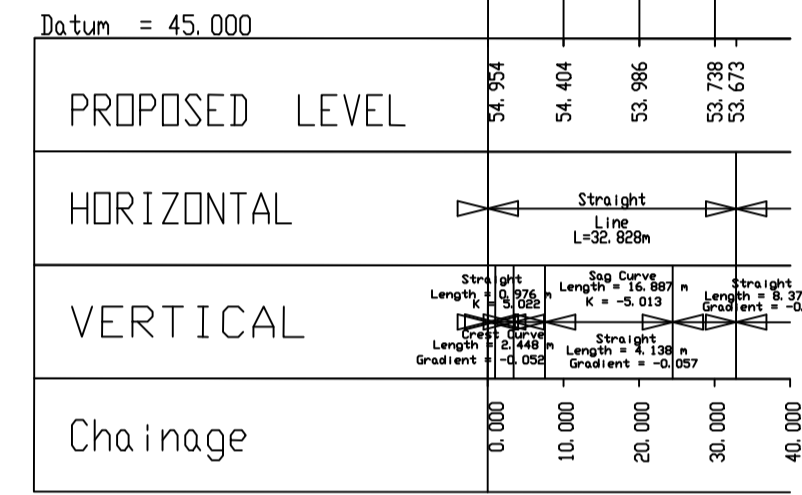
SIDE ROAD-L22271



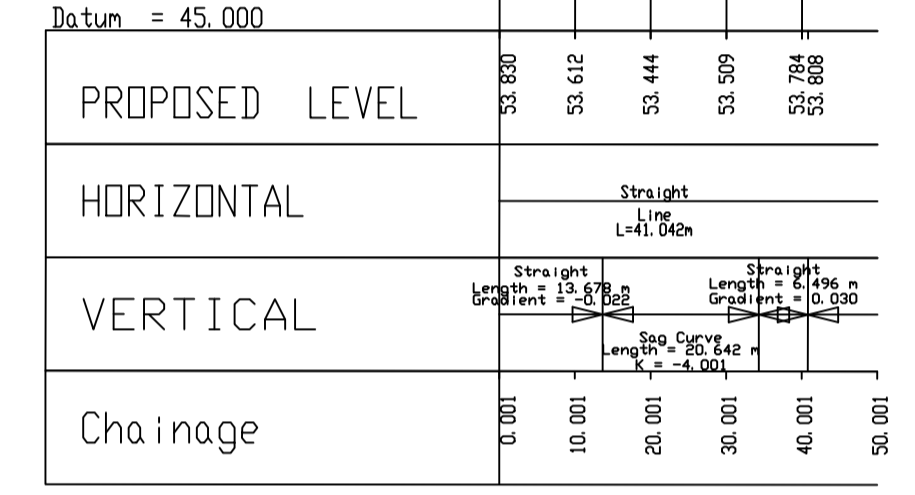
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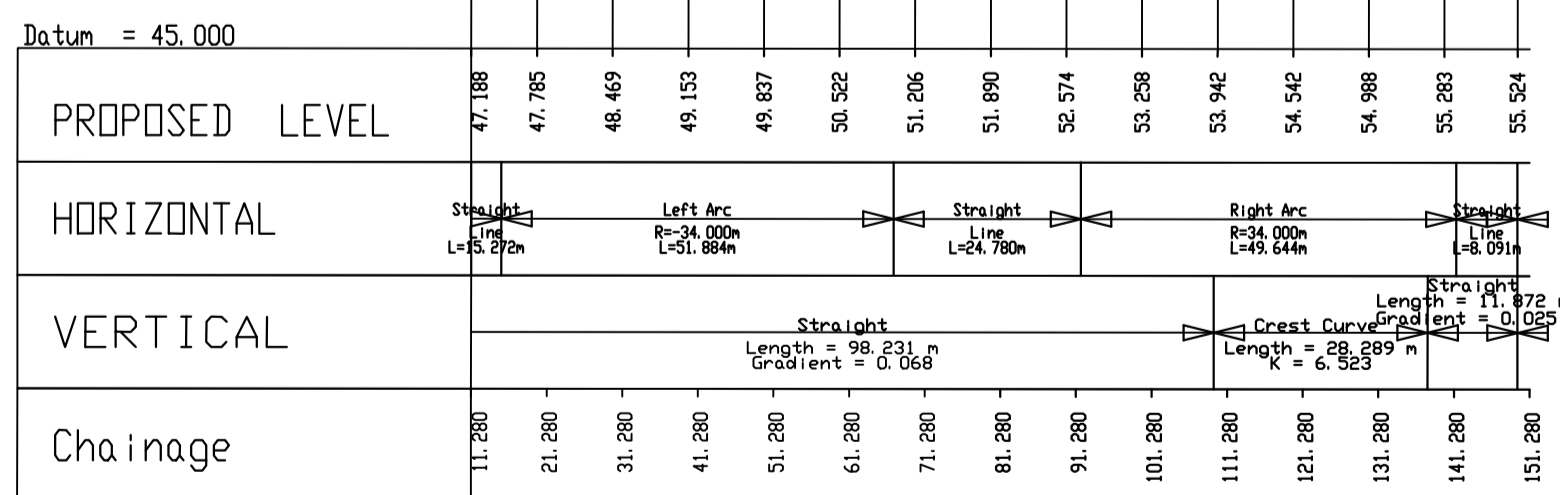
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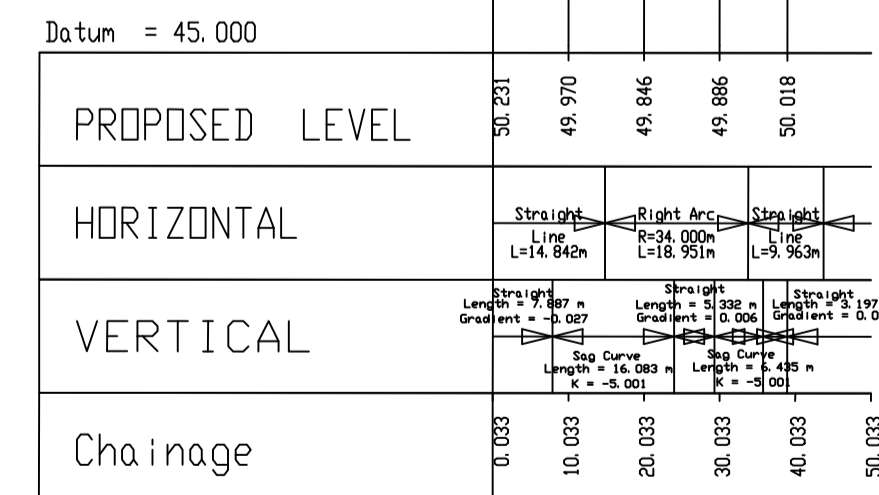
LINK ROAD-2



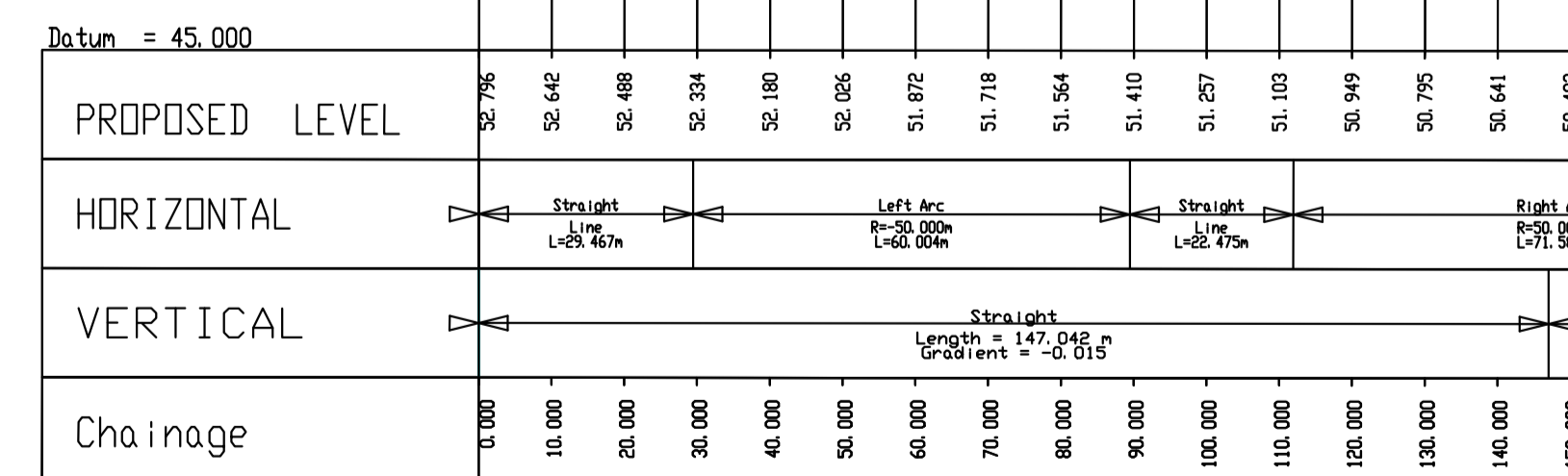
SIDE ROAD-L22087



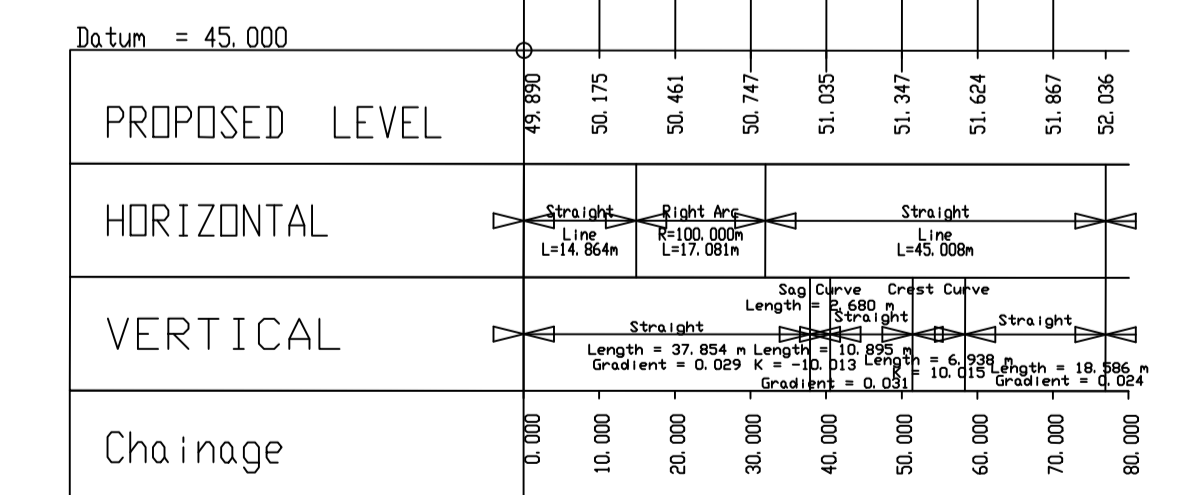
SIDE ROAD-L64131



SIDE ROAD-L6413



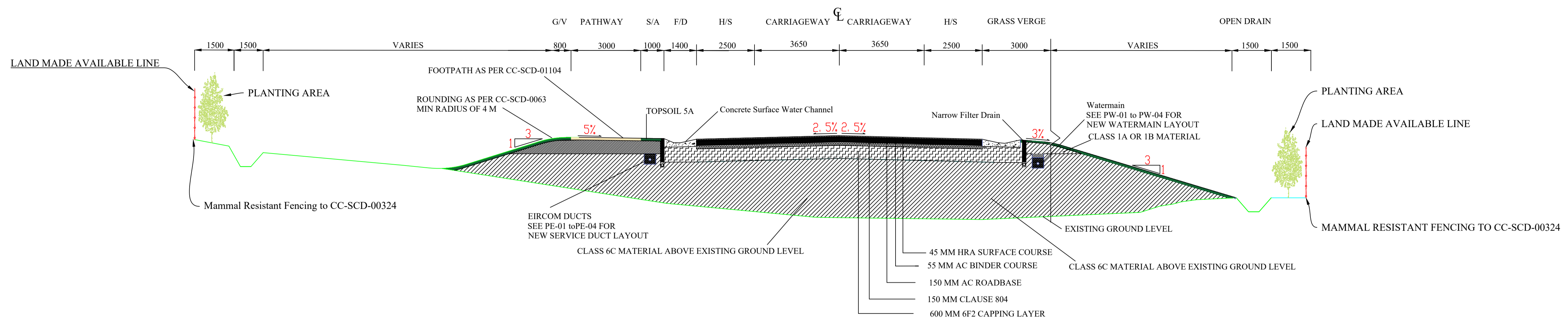
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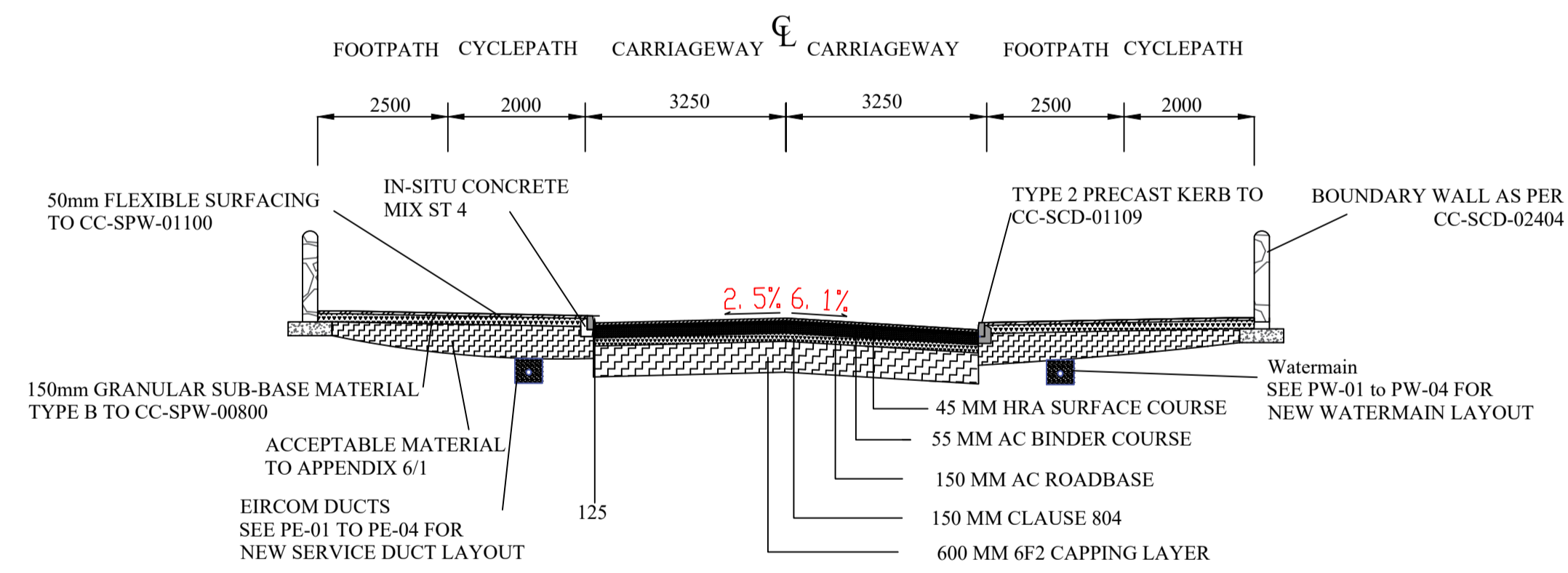
National Roads Project Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT	N17 Milltown to Gortnagunned		
COMPONENT:	Side Roads & Link Roads		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	GE-05



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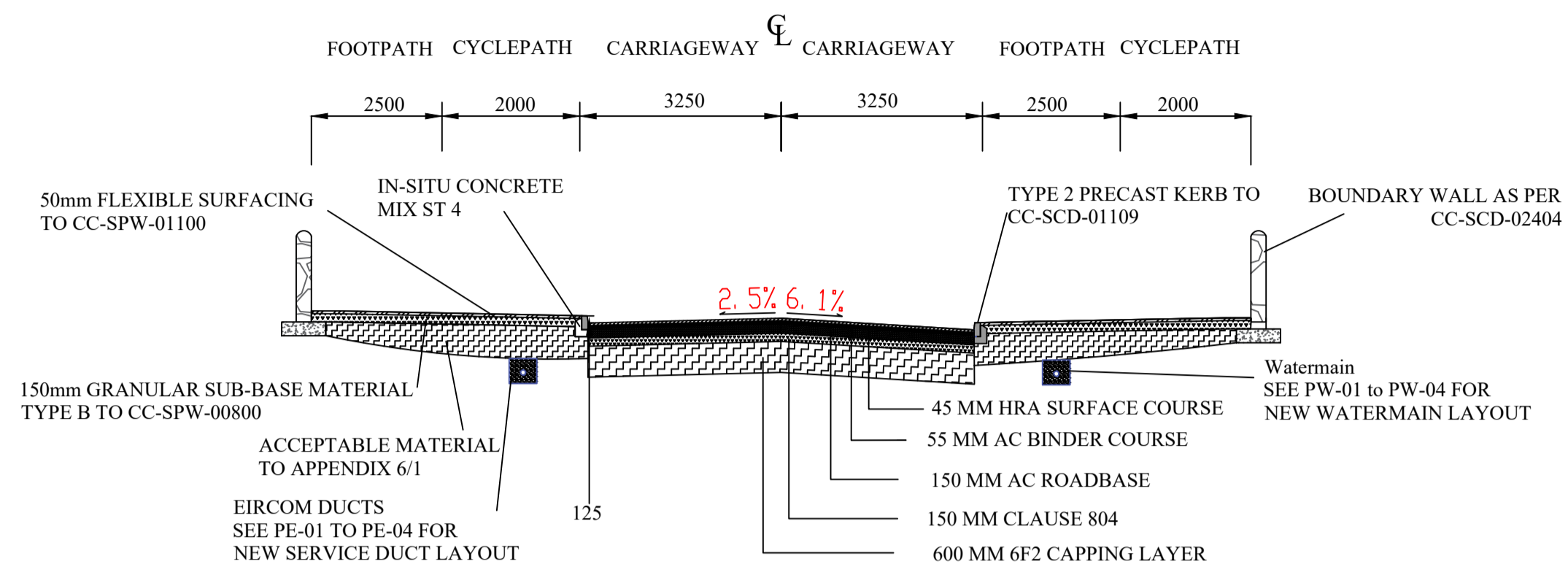


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Galway County Council

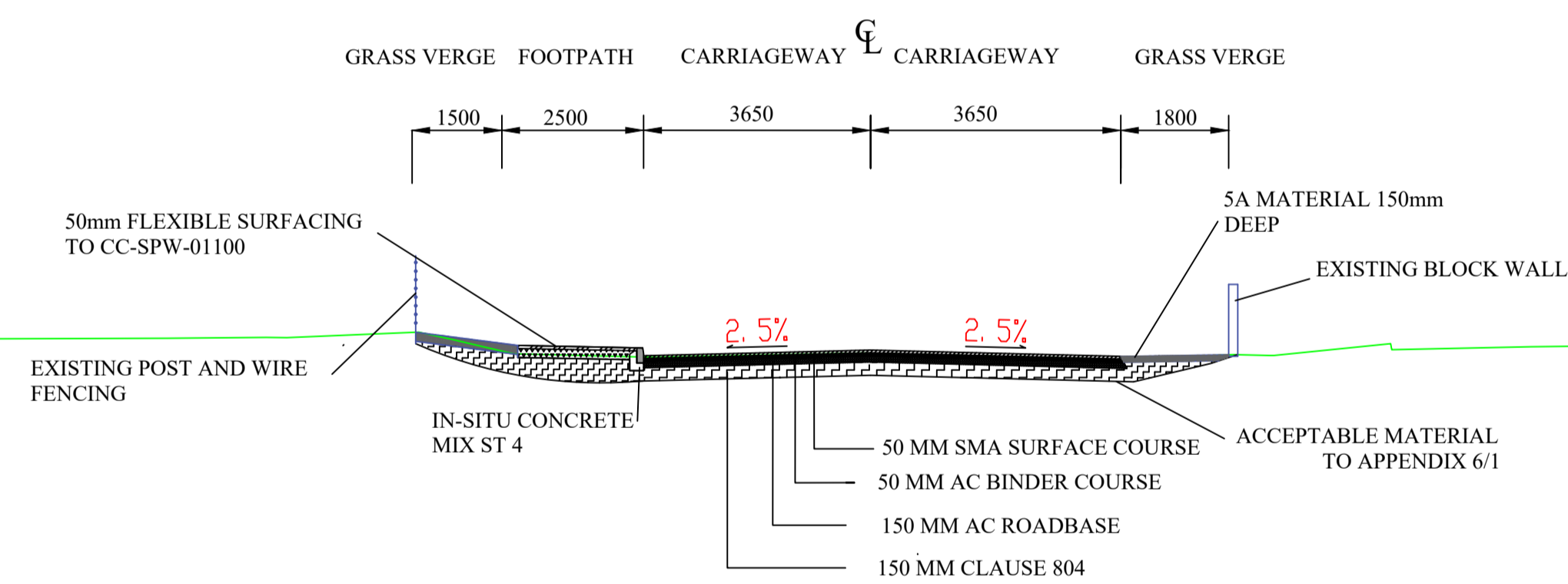
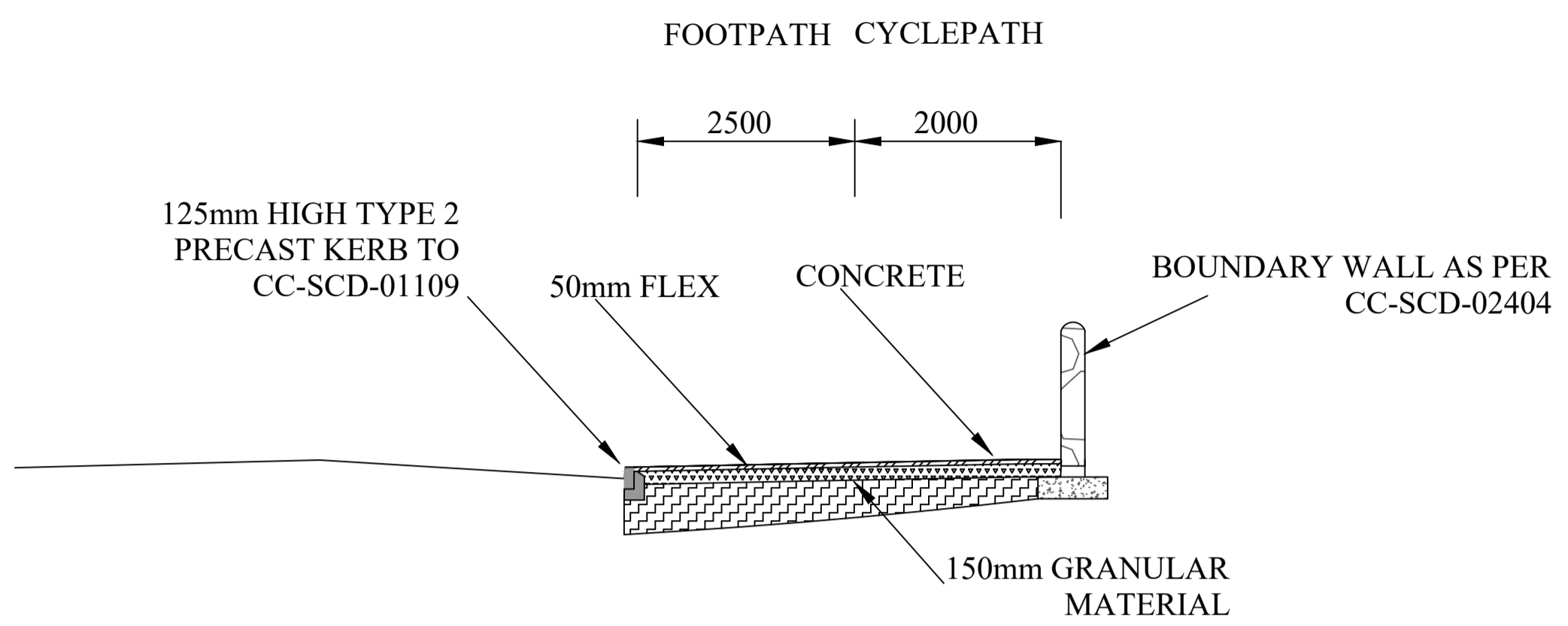
National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

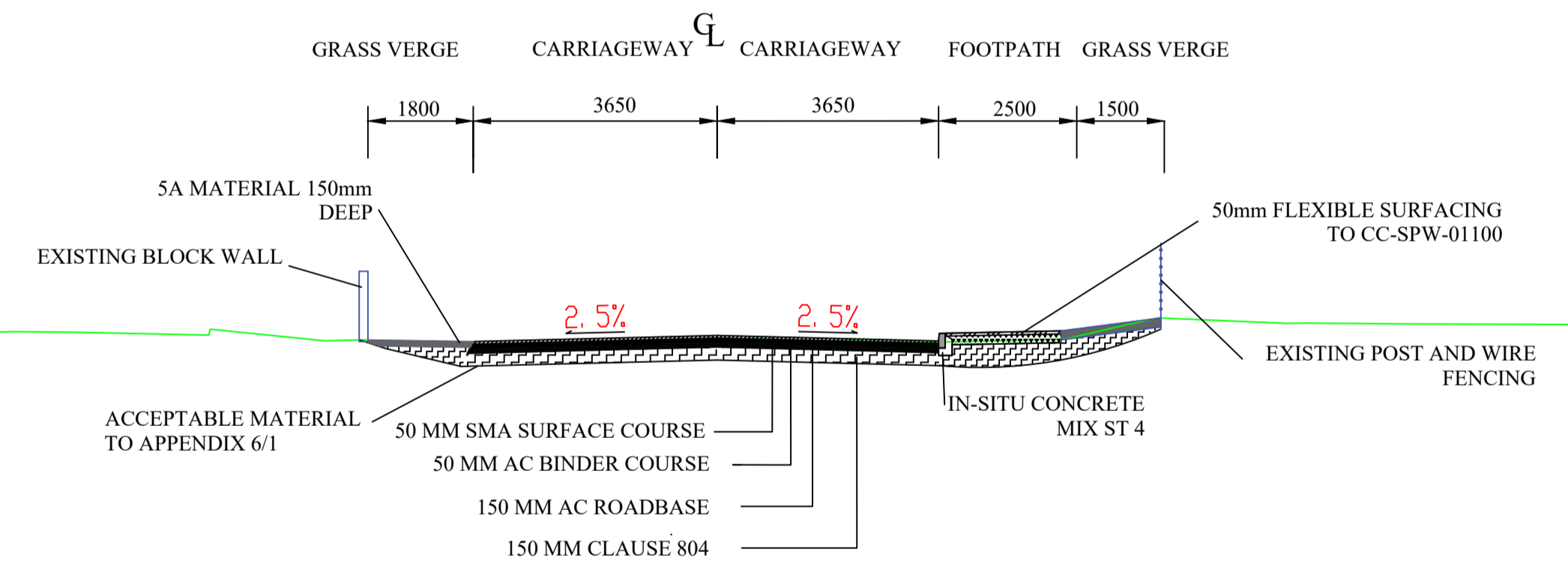
PROJECT	N17 Milltown to Gortnagunnaed Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Detailed Cross Sections		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:100 • A1, 1:200 • A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			DCS - 01



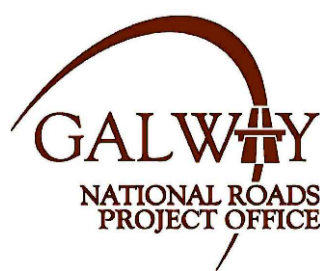
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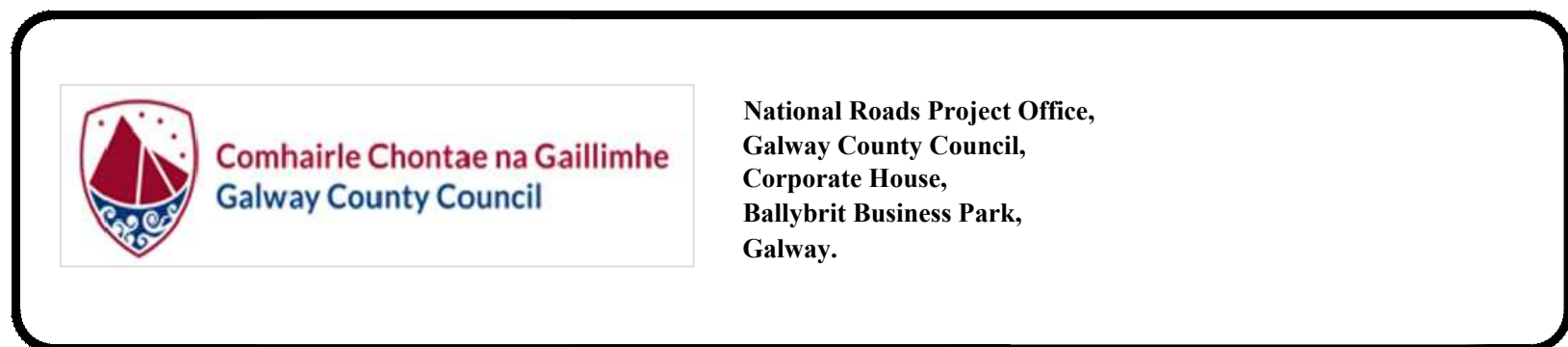
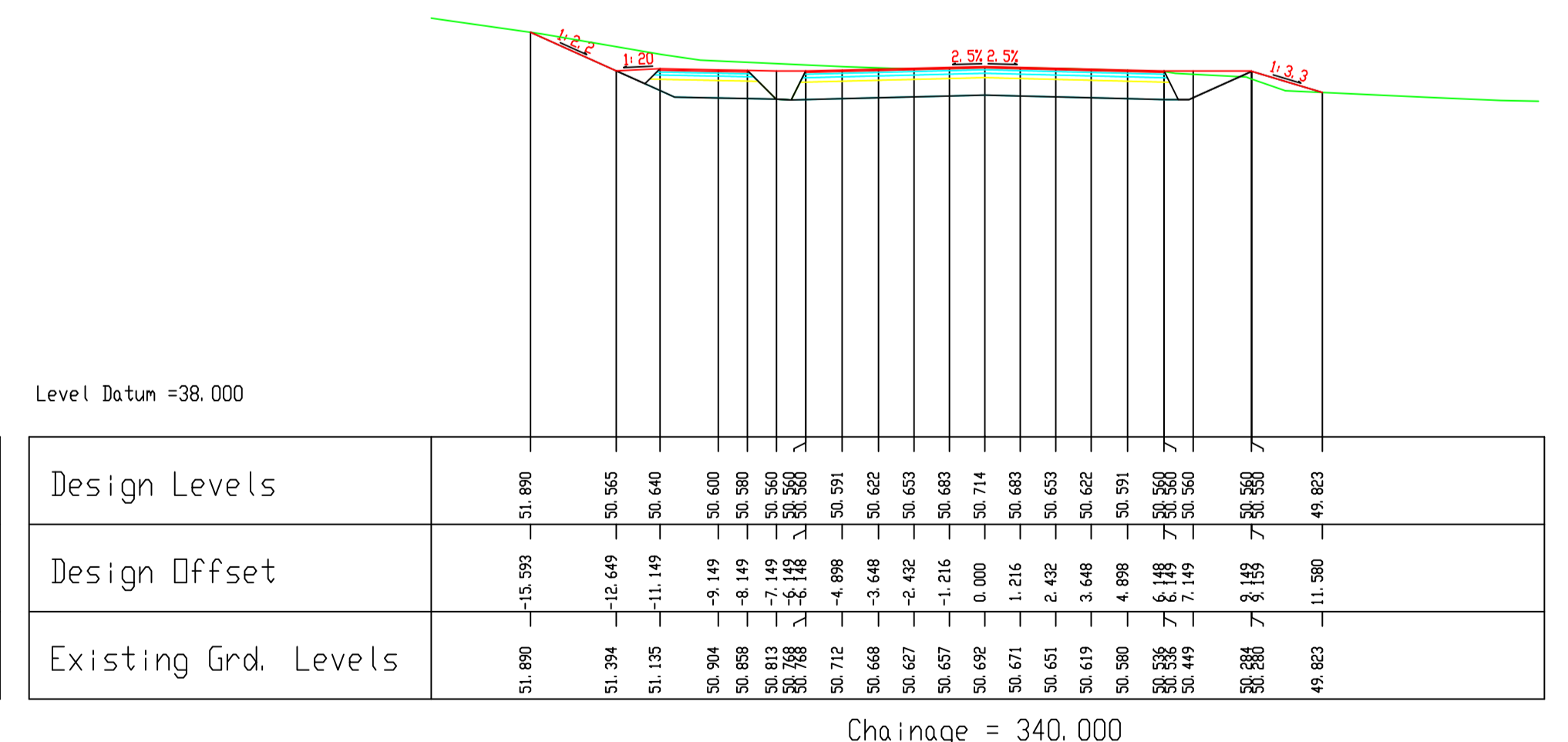
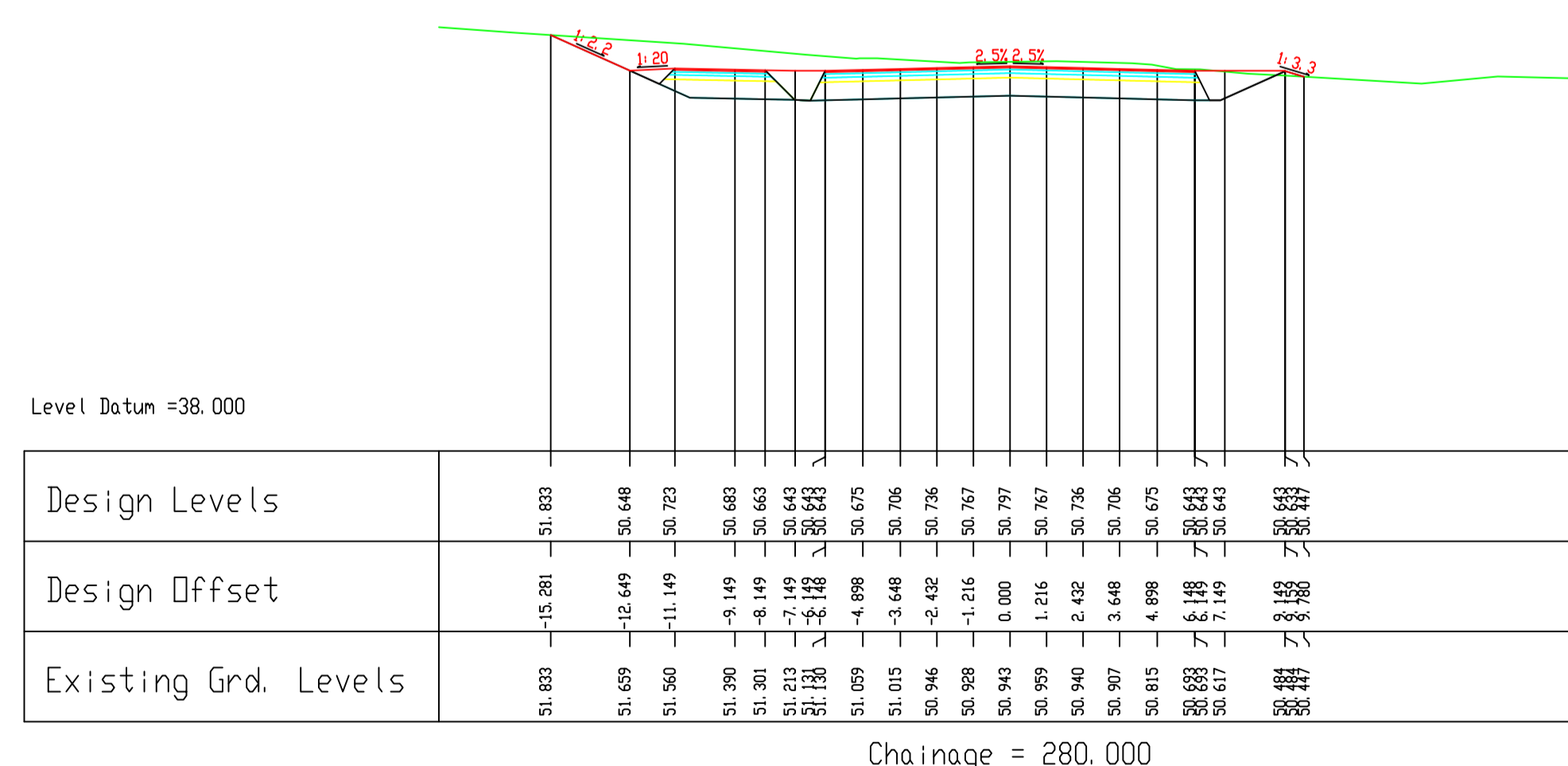
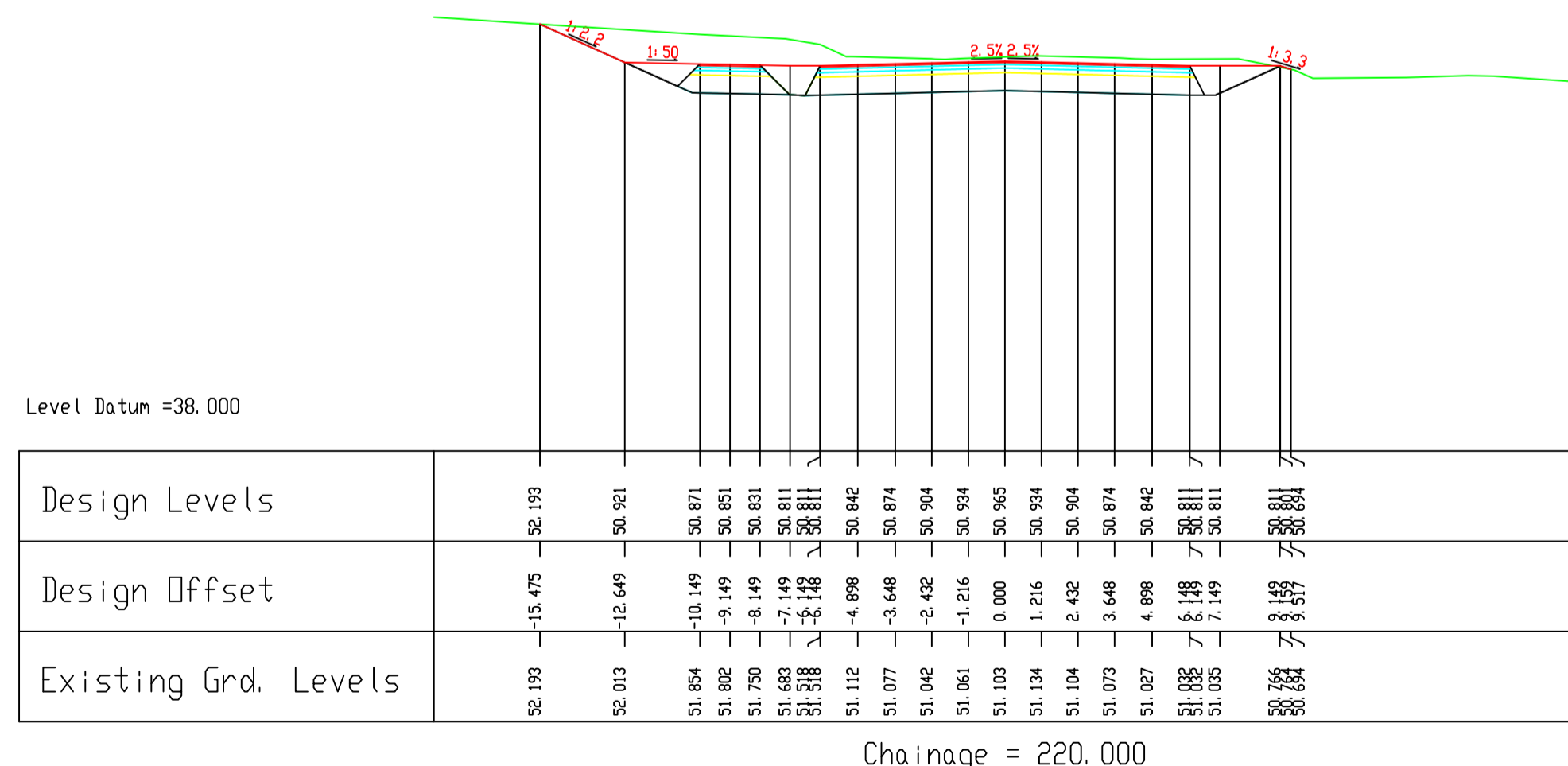
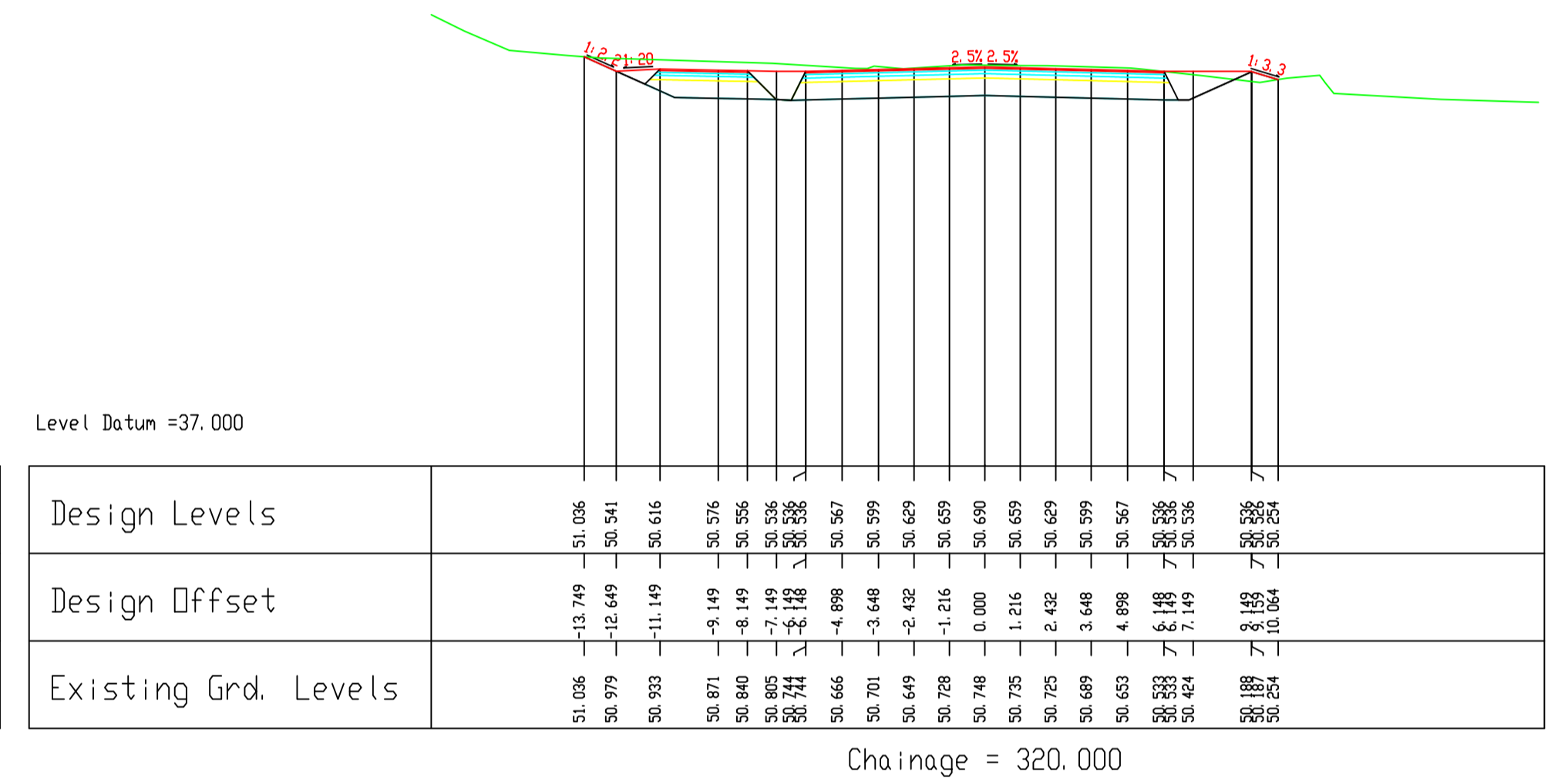
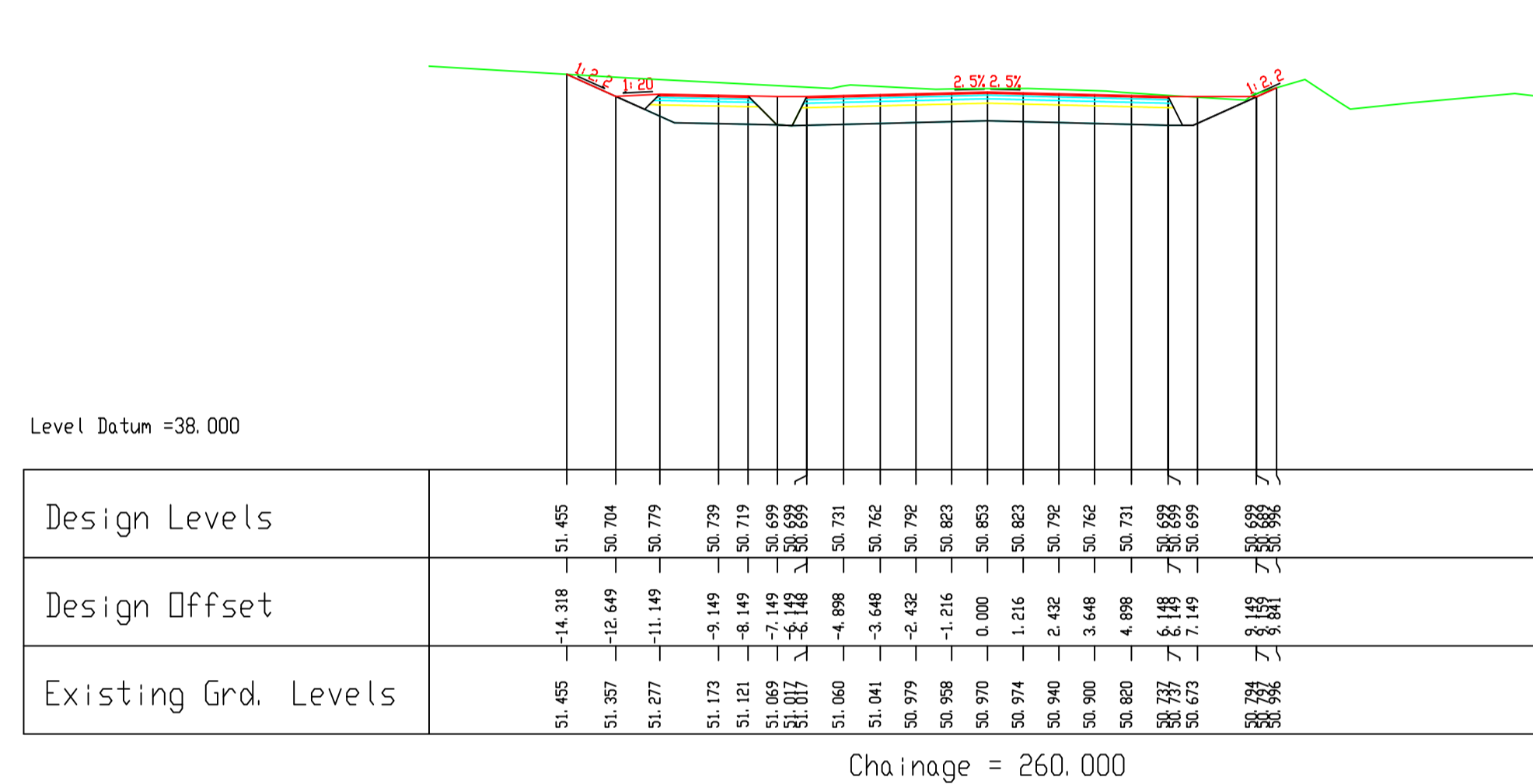
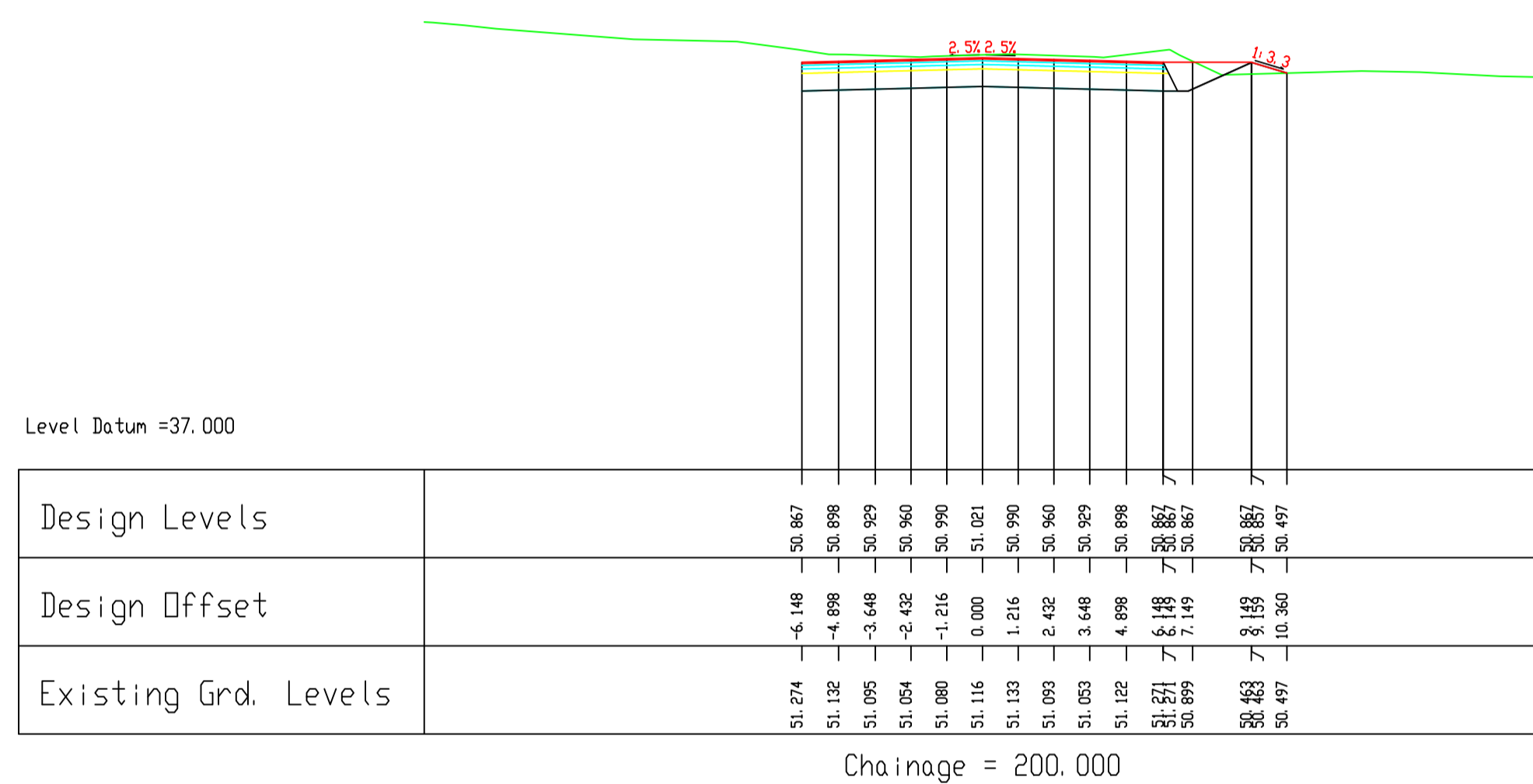
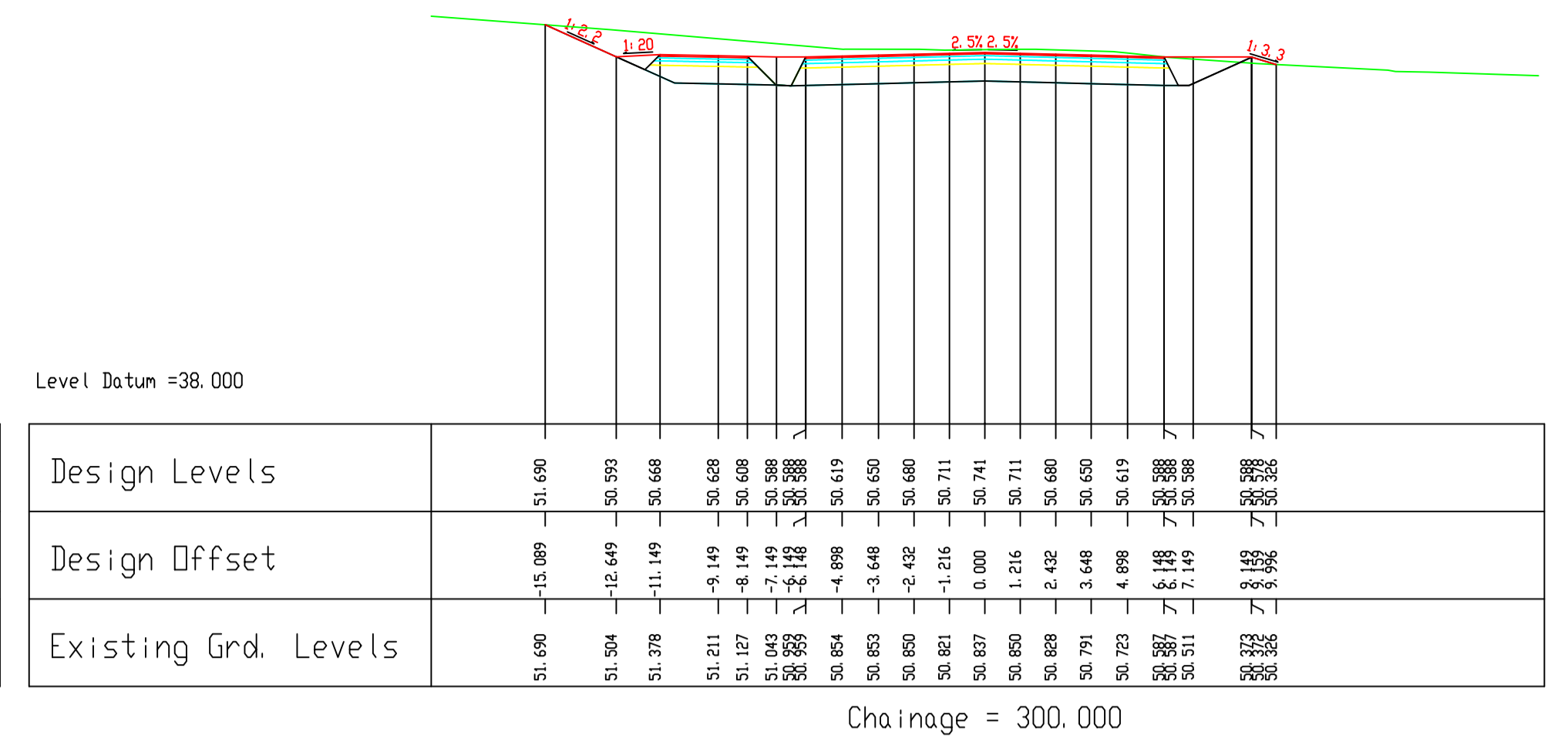
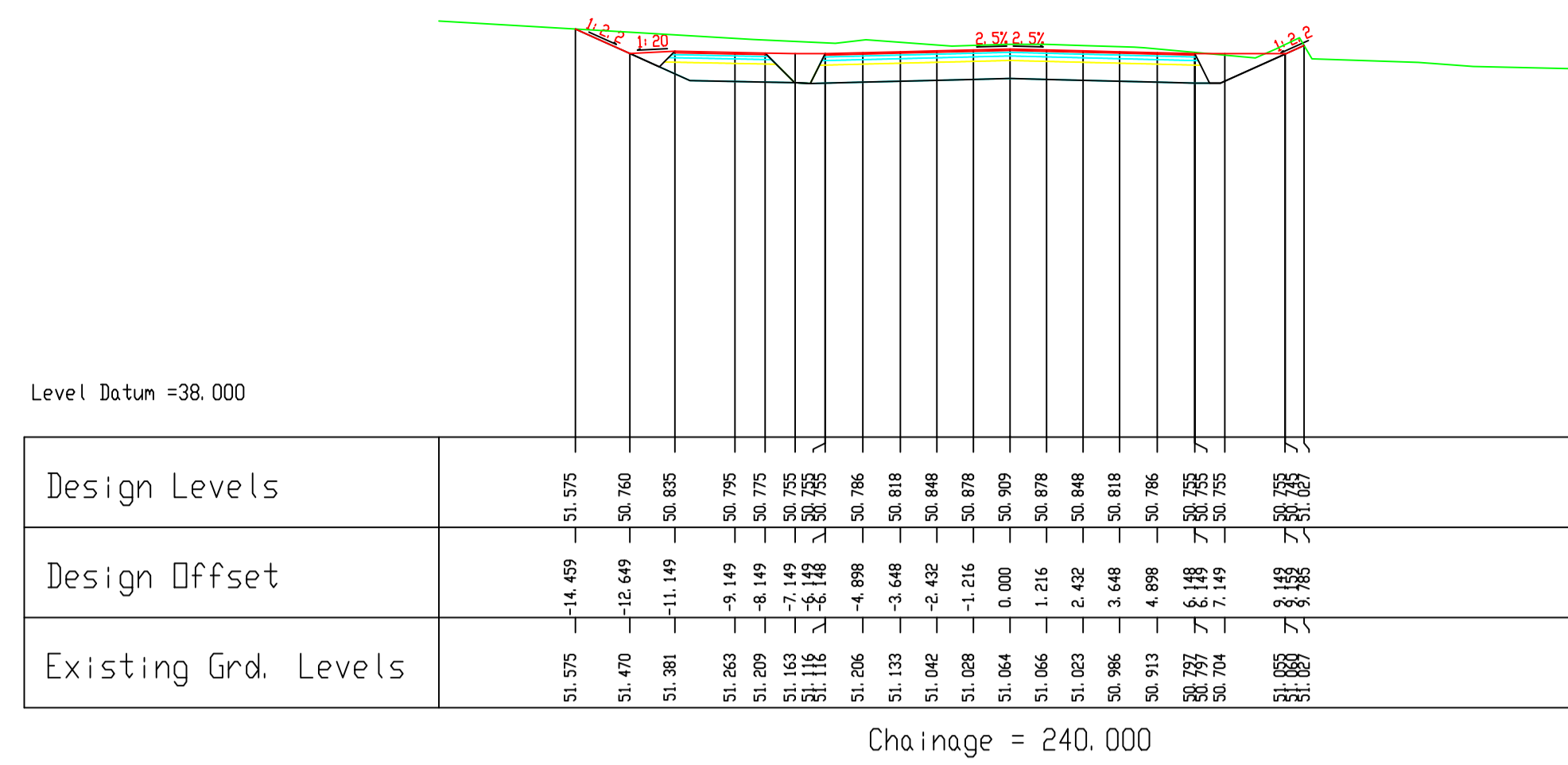
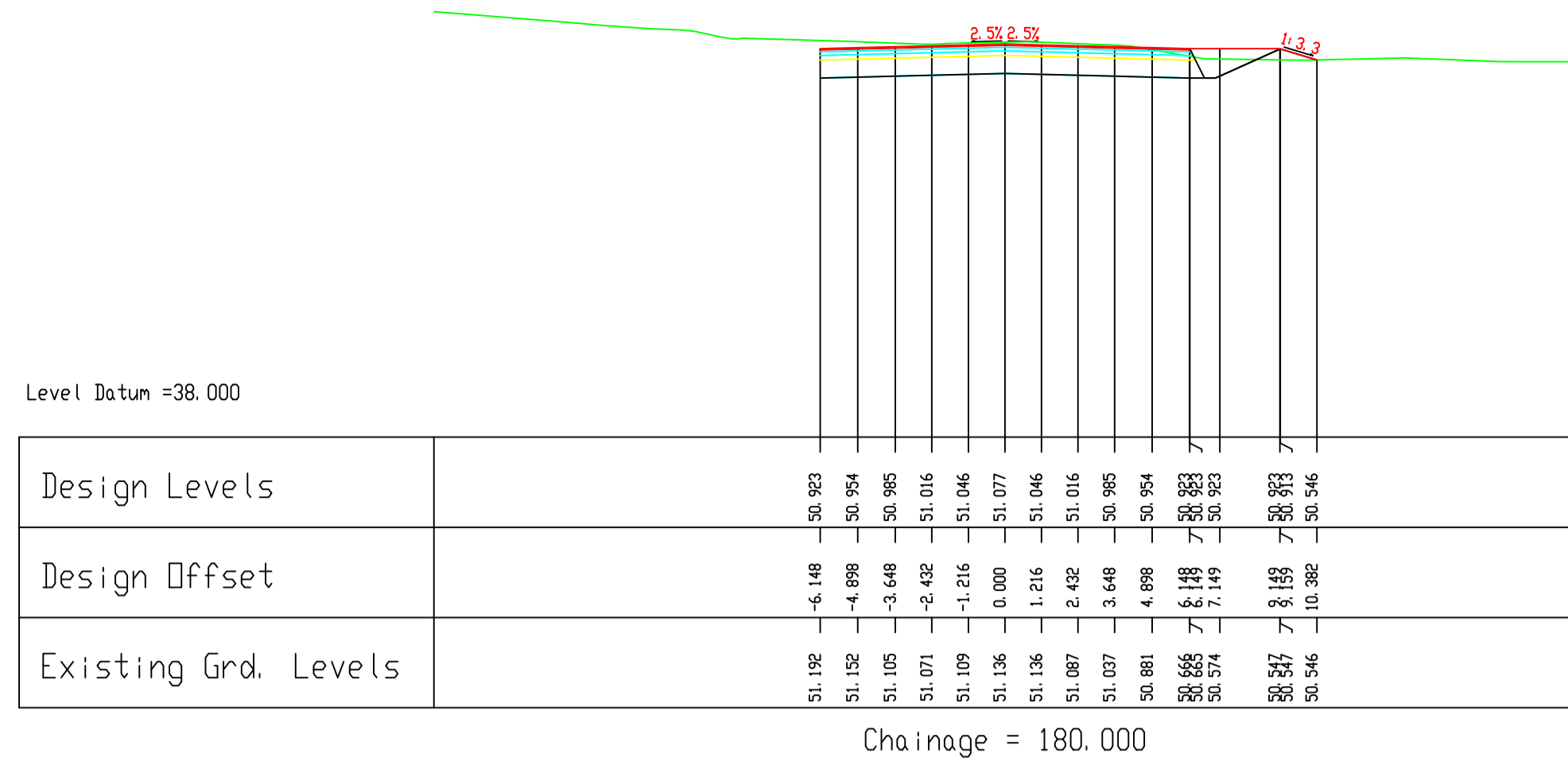


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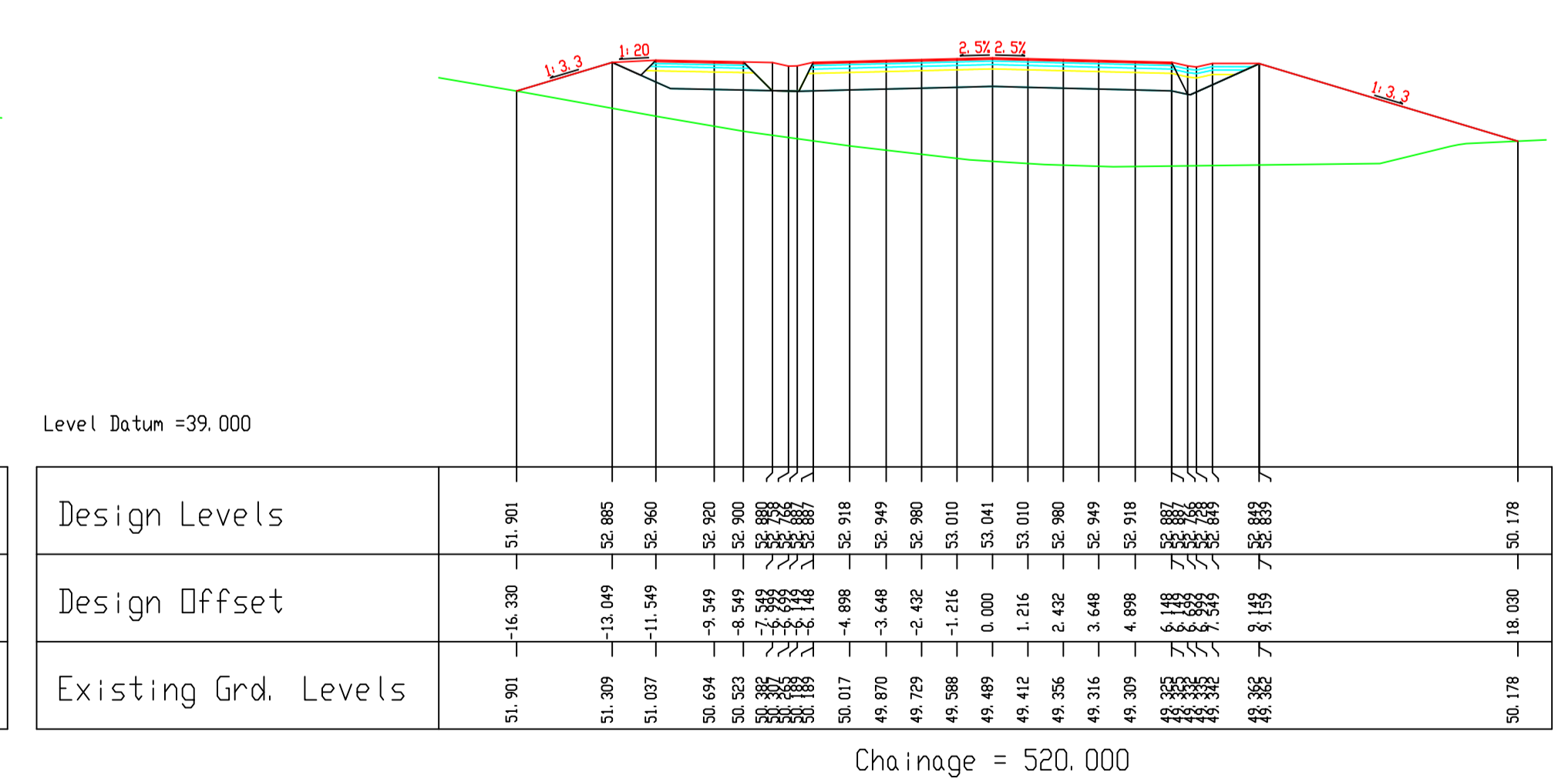
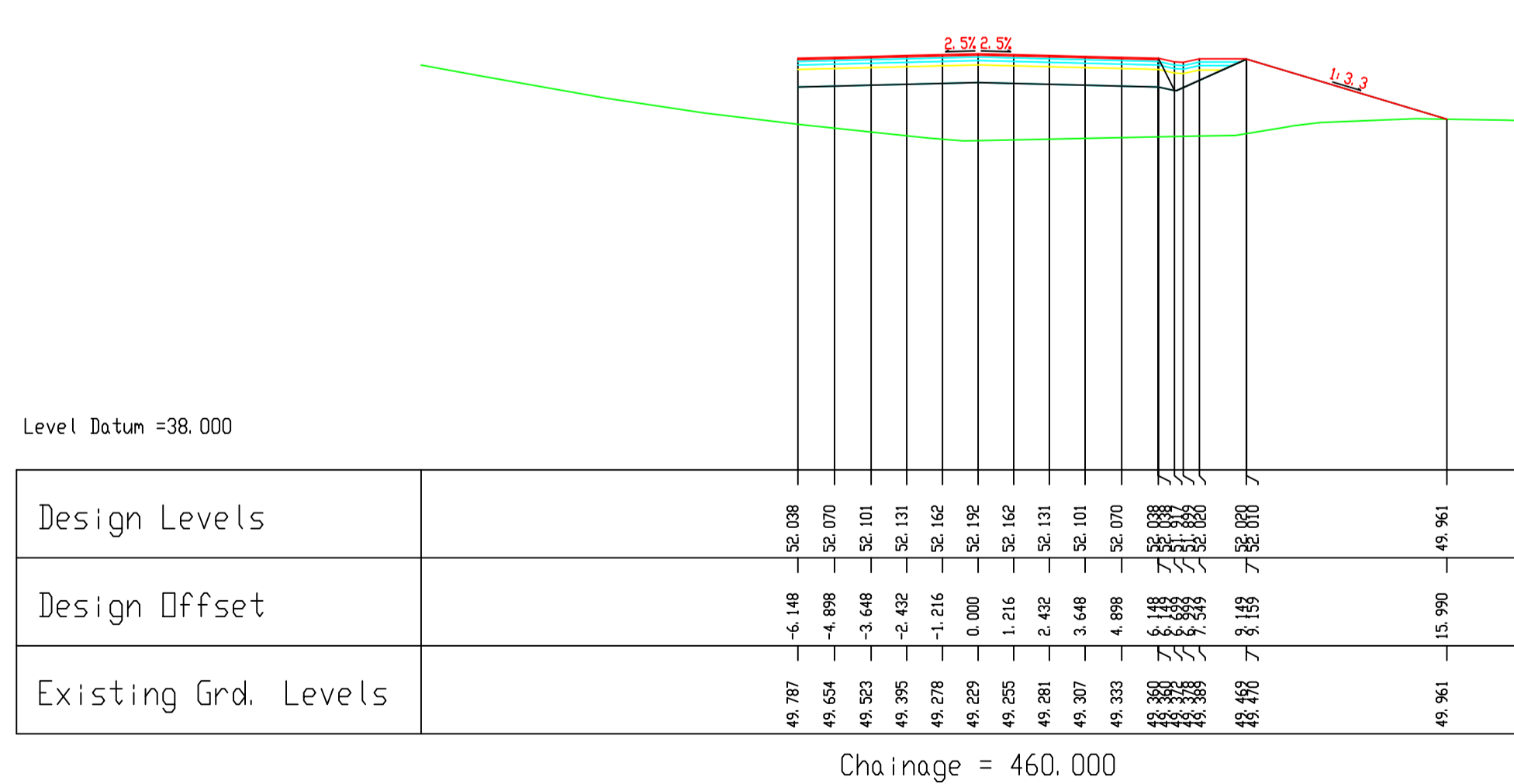
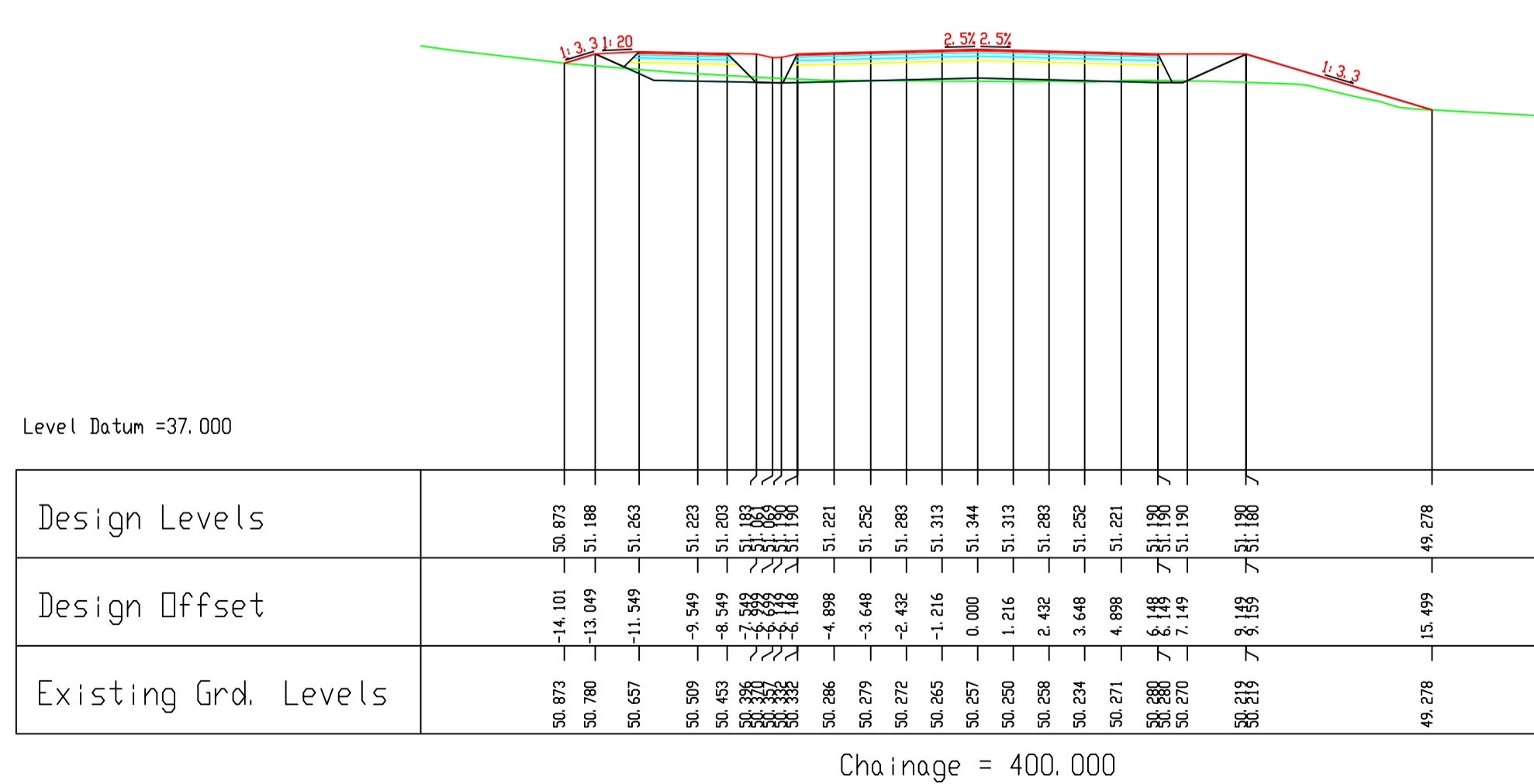
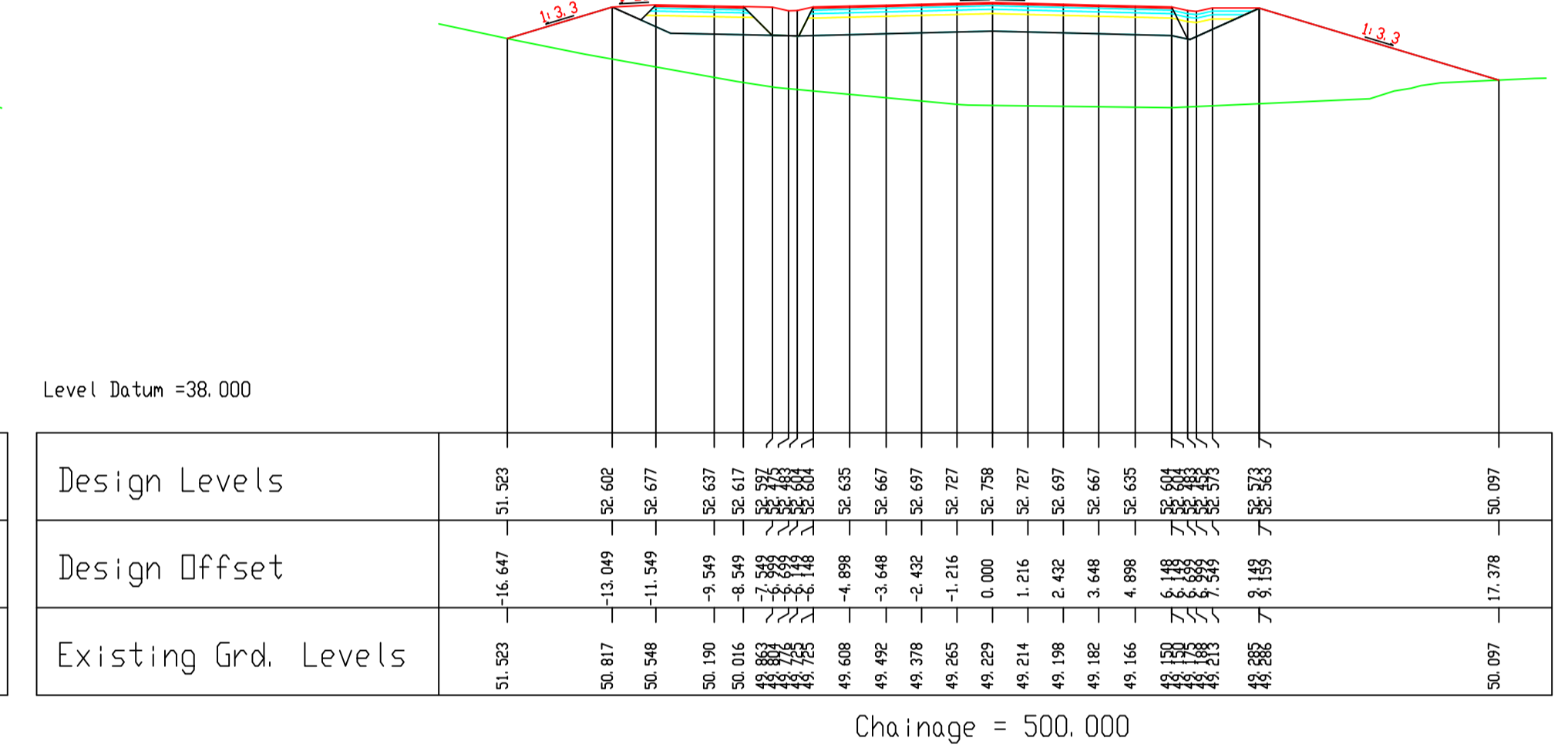
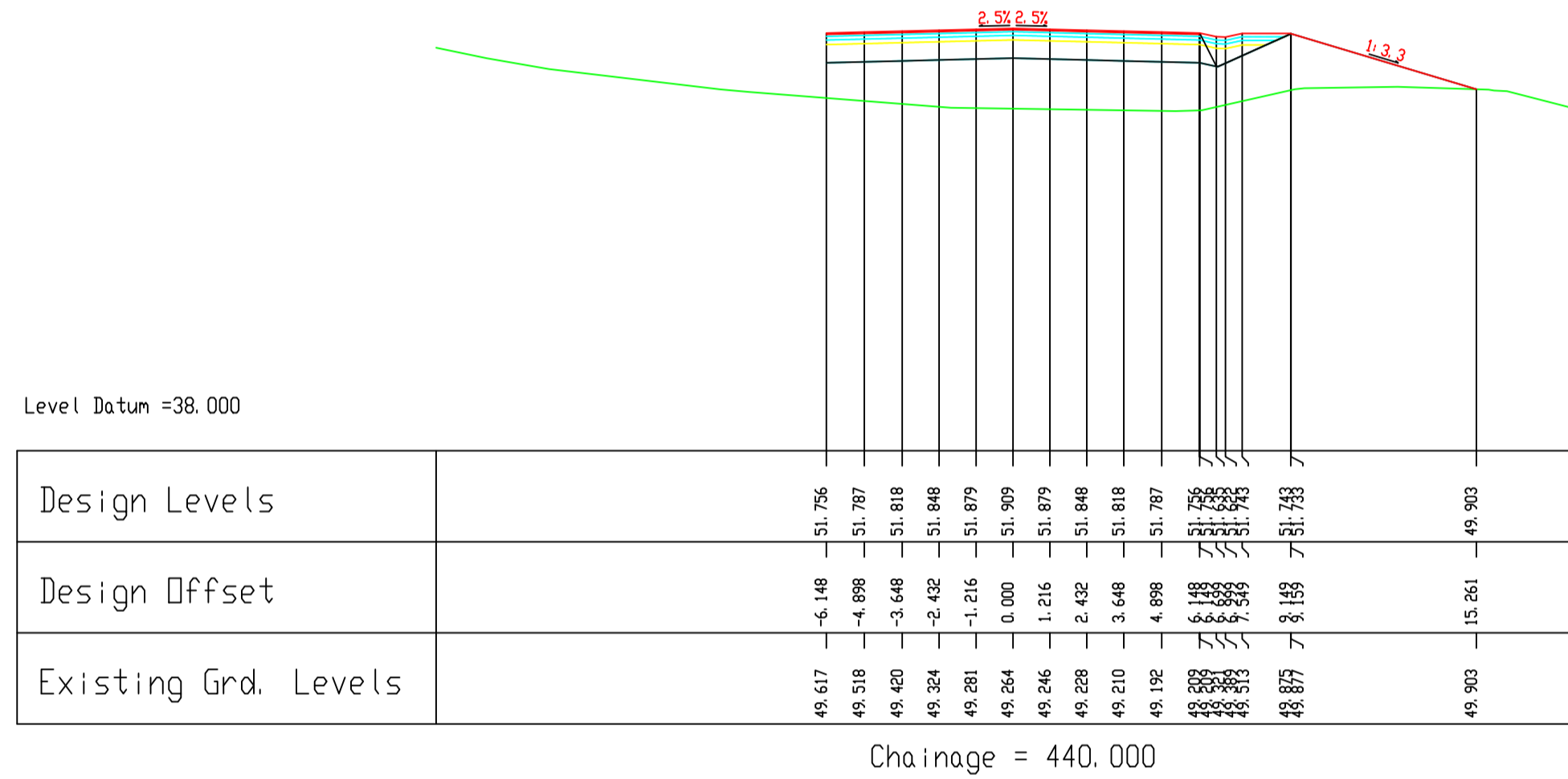
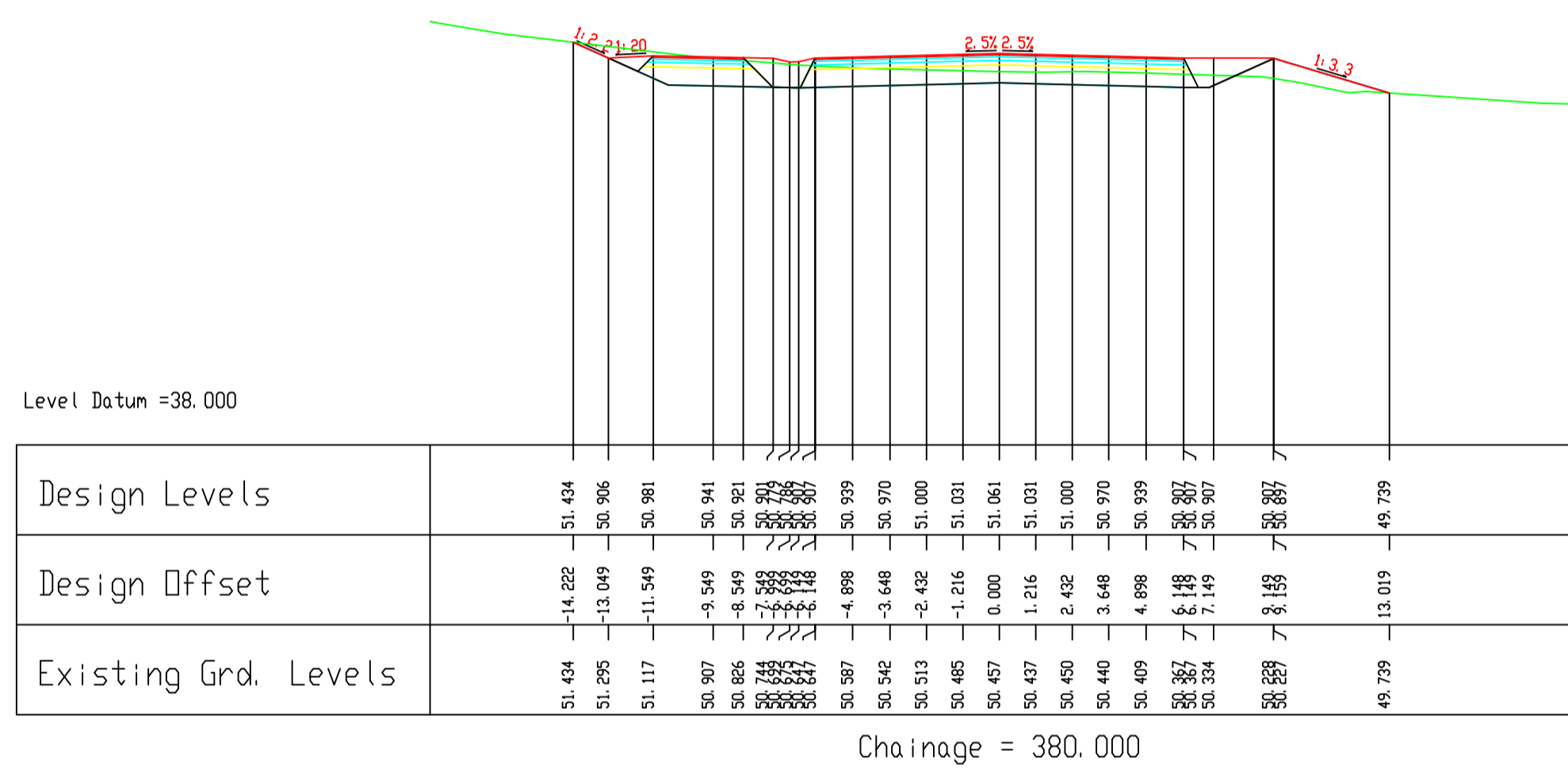
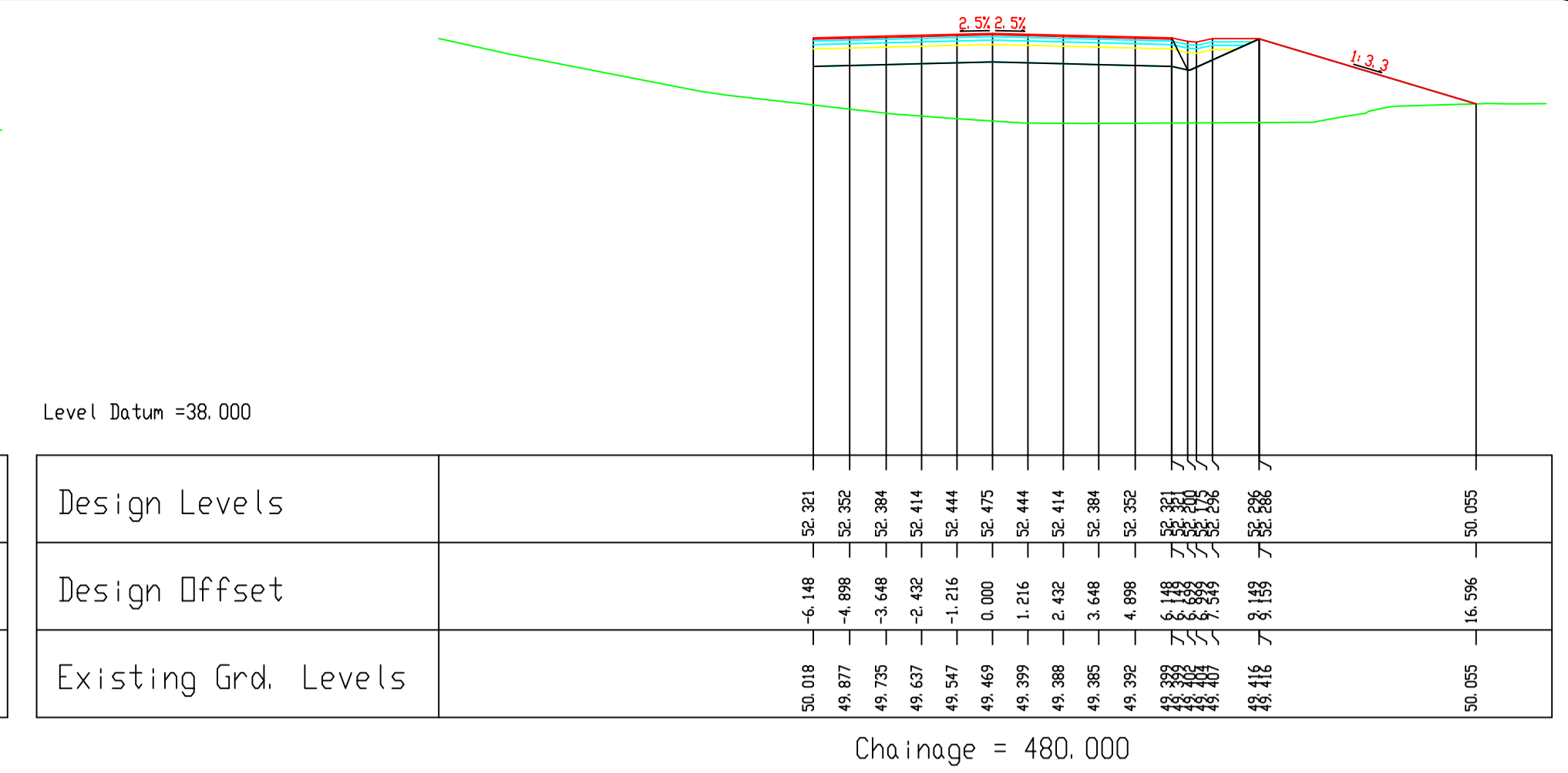
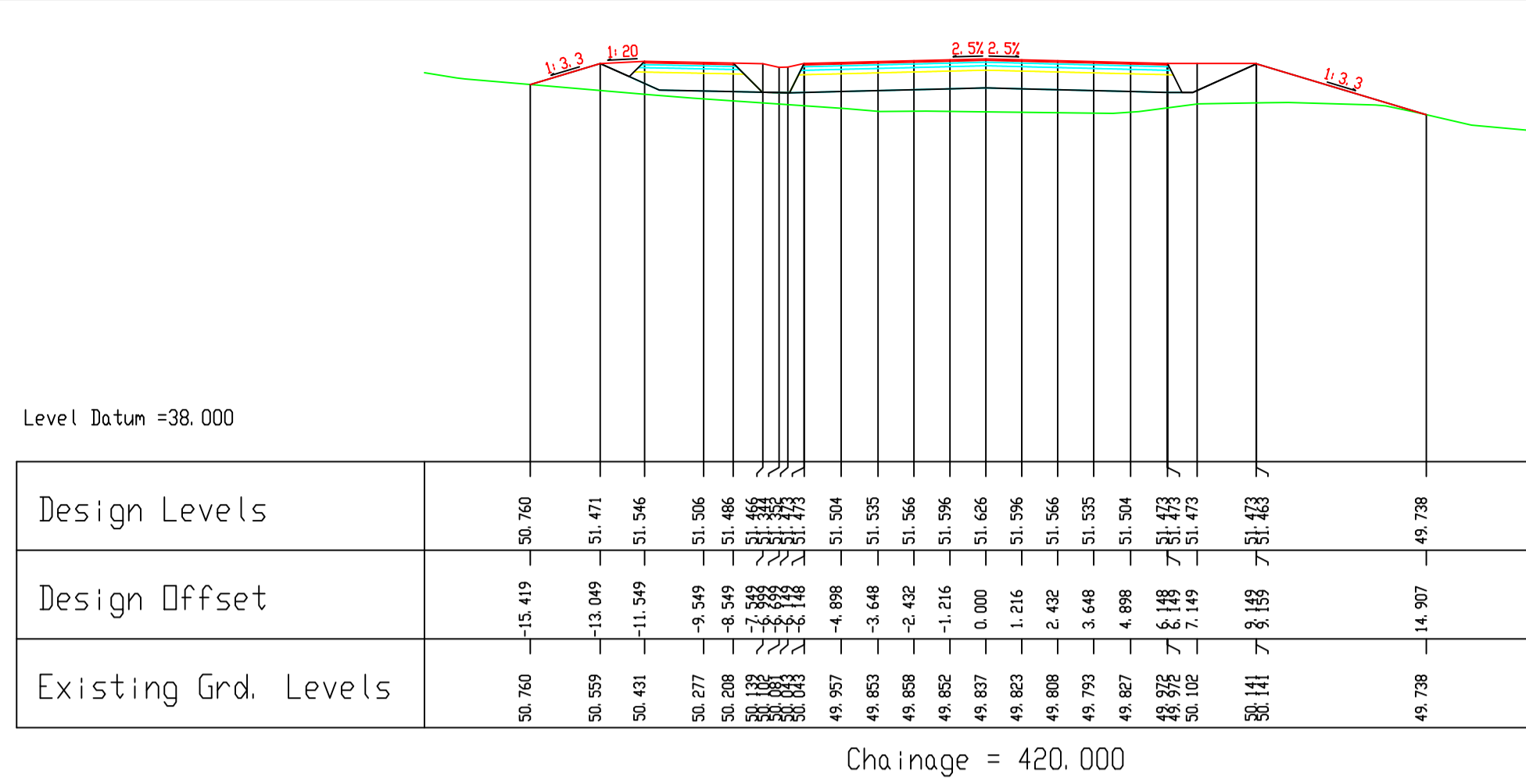
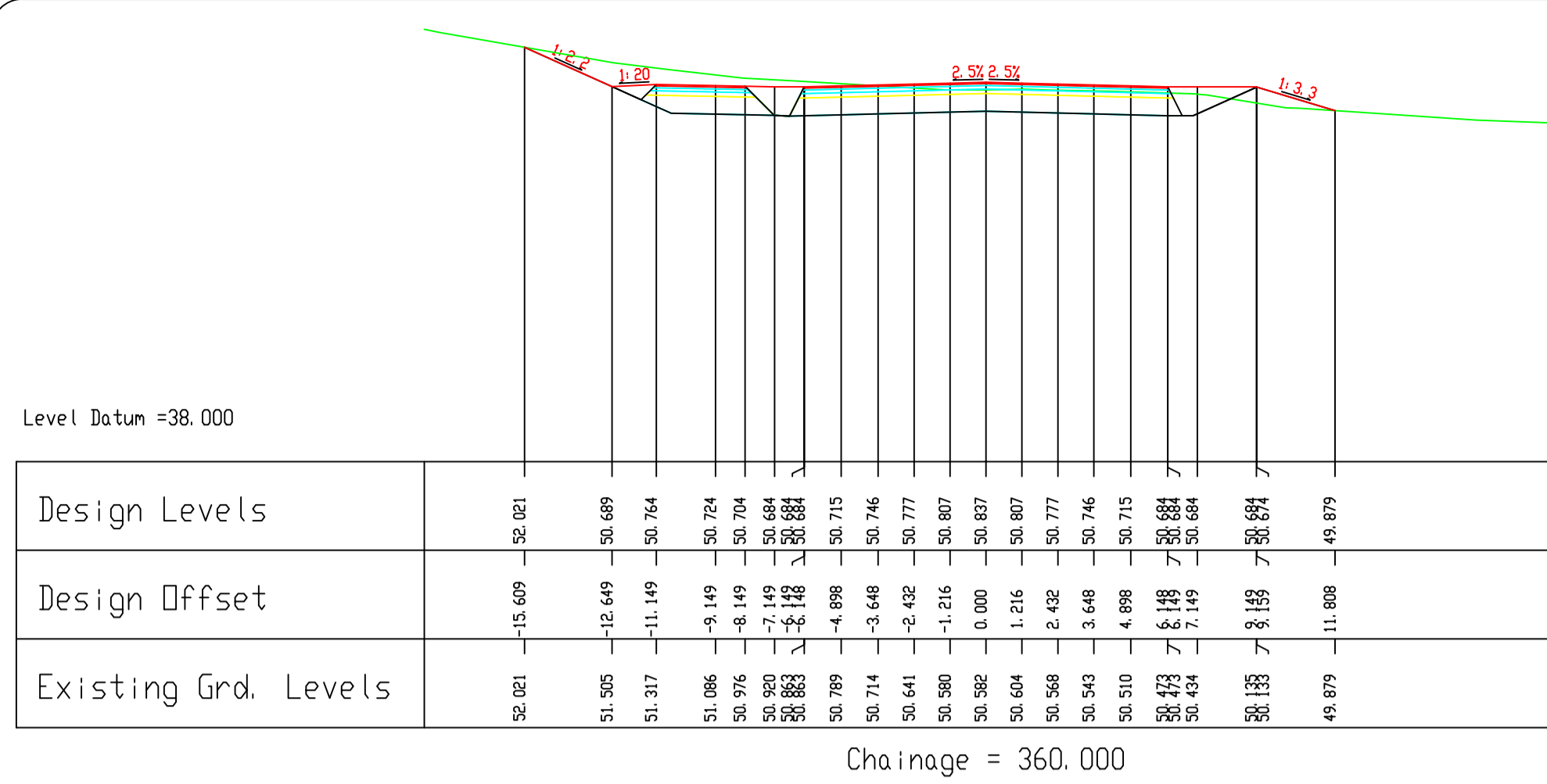
REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Detailed Cross Sections		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:100 • A1, 1:200 • A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			DCS - 02



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch180-340		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-02

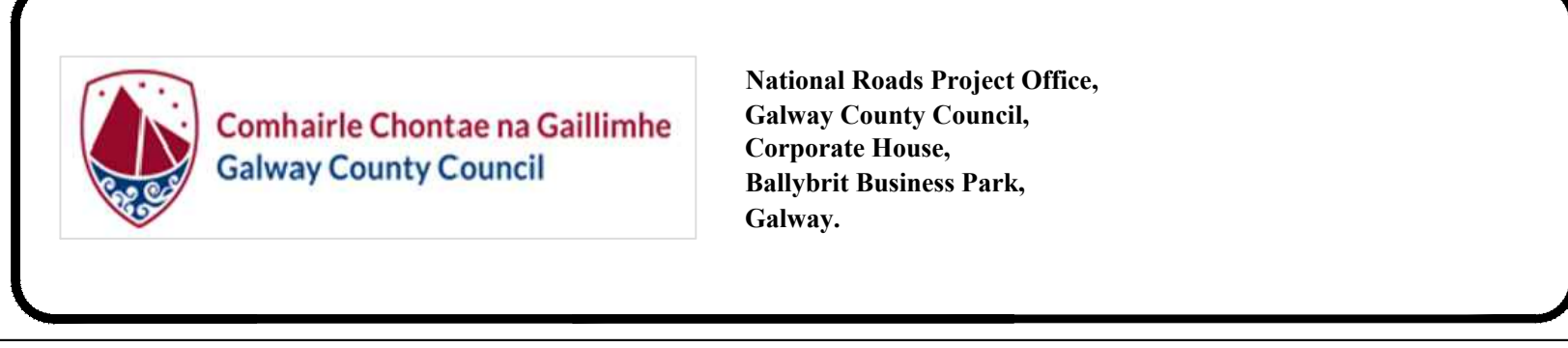
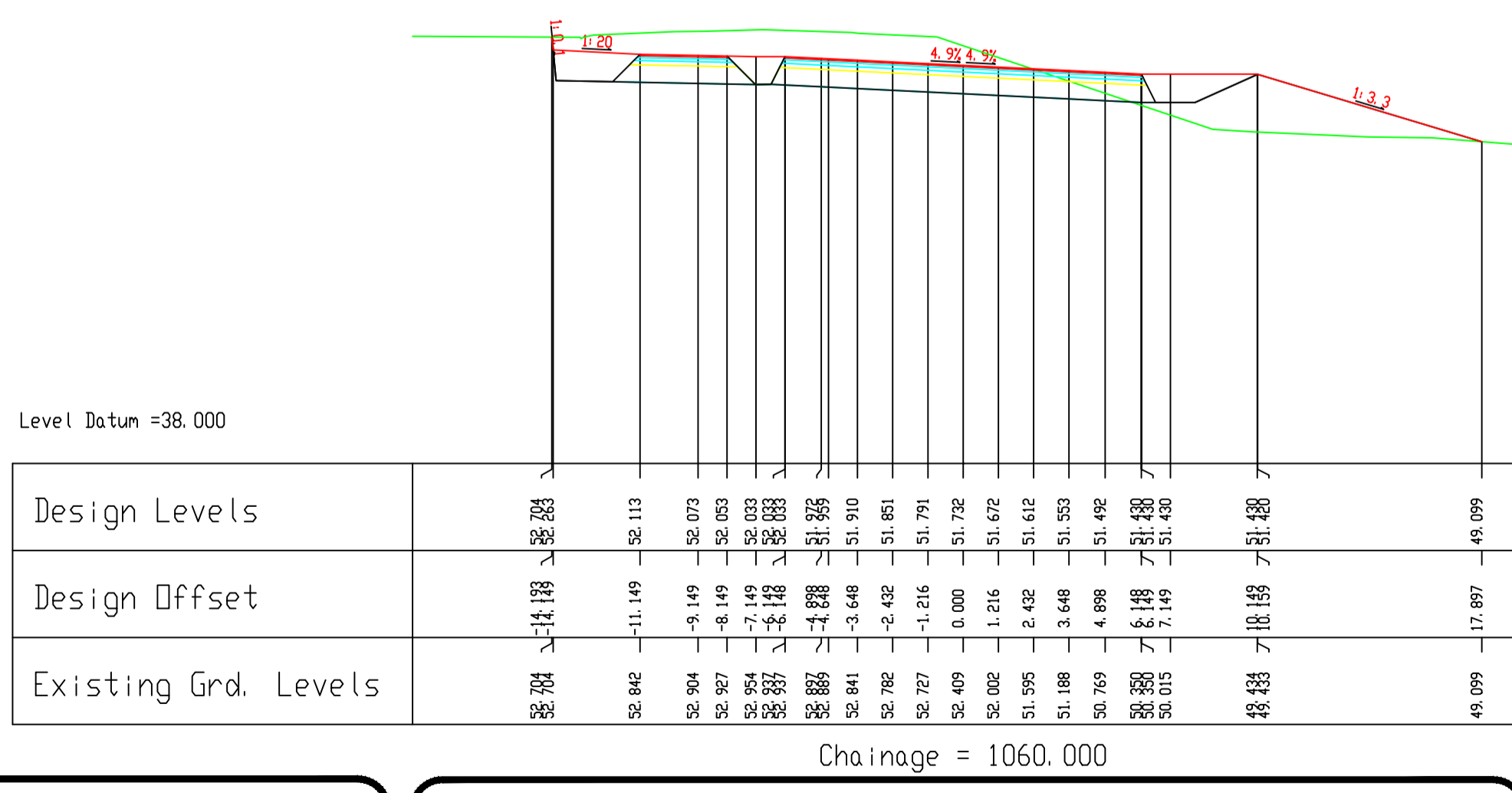
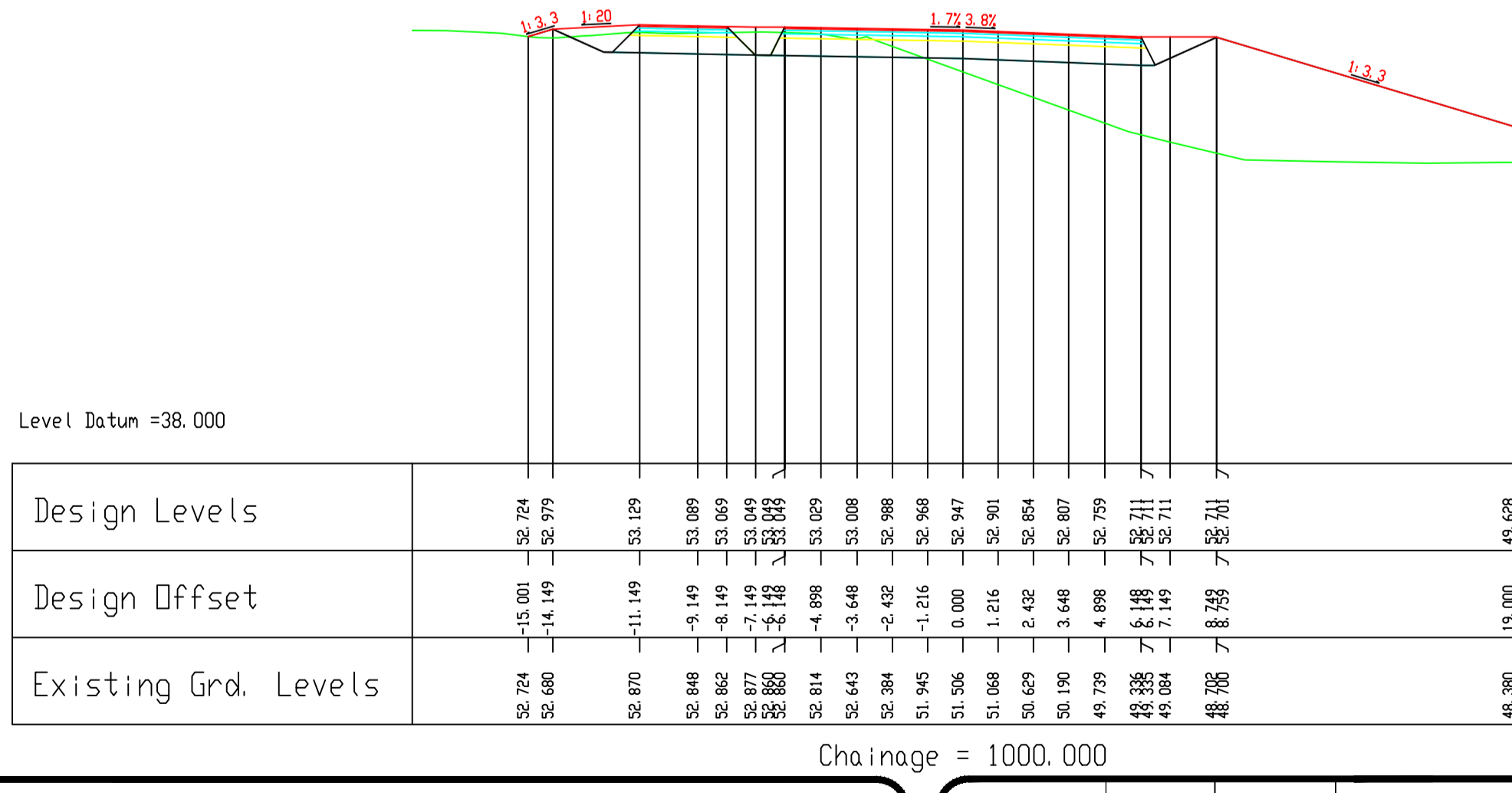
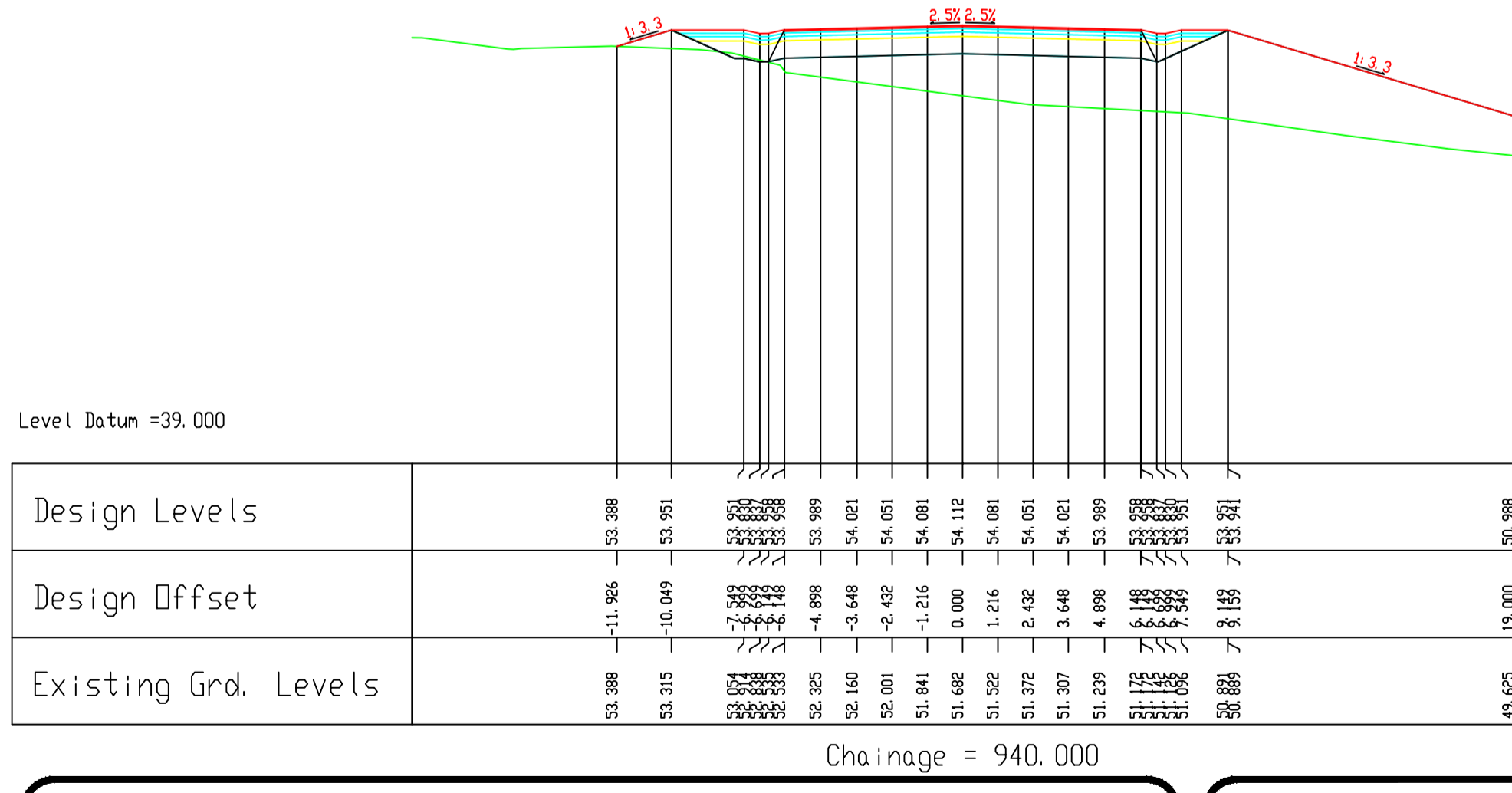
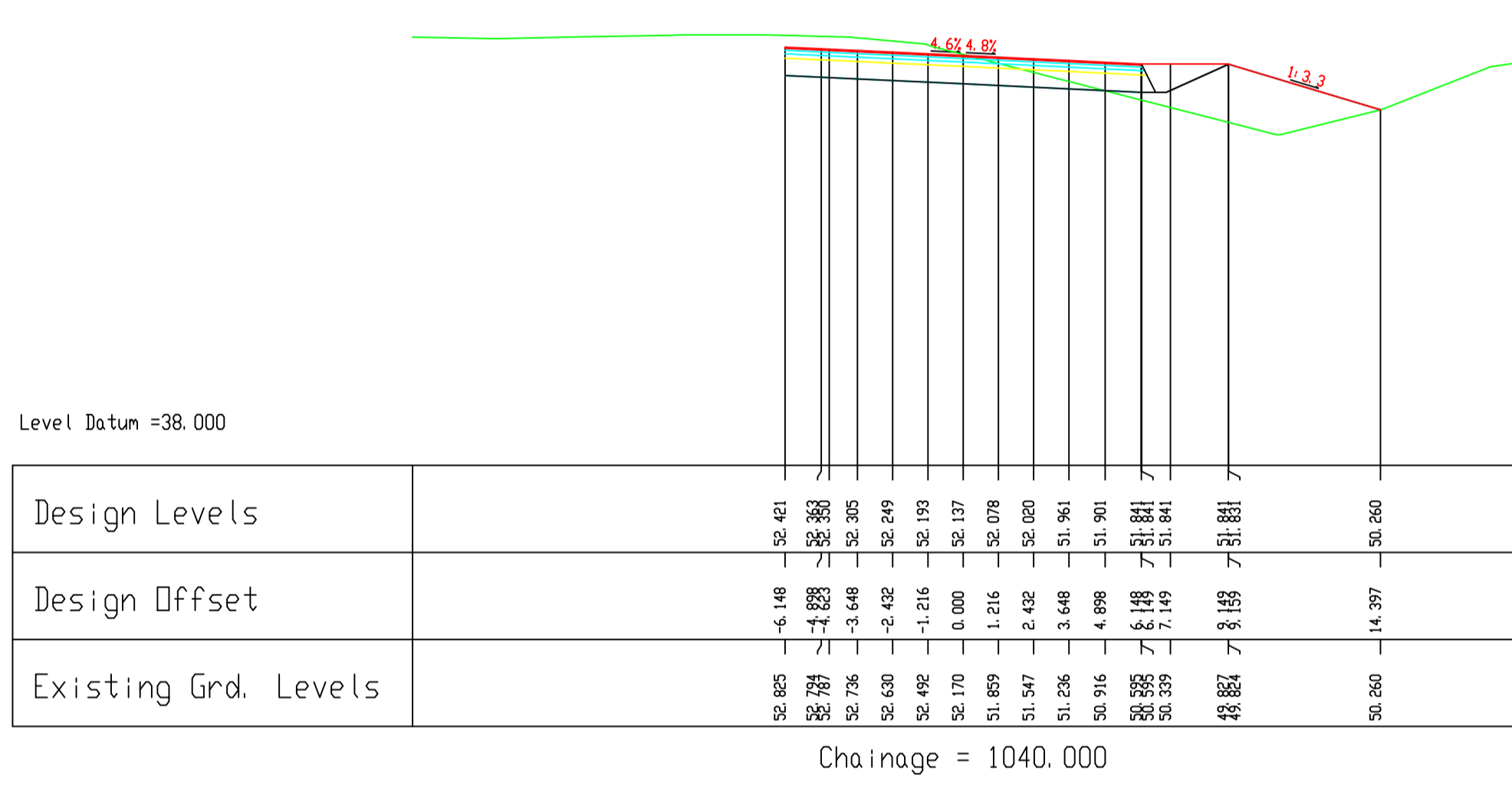
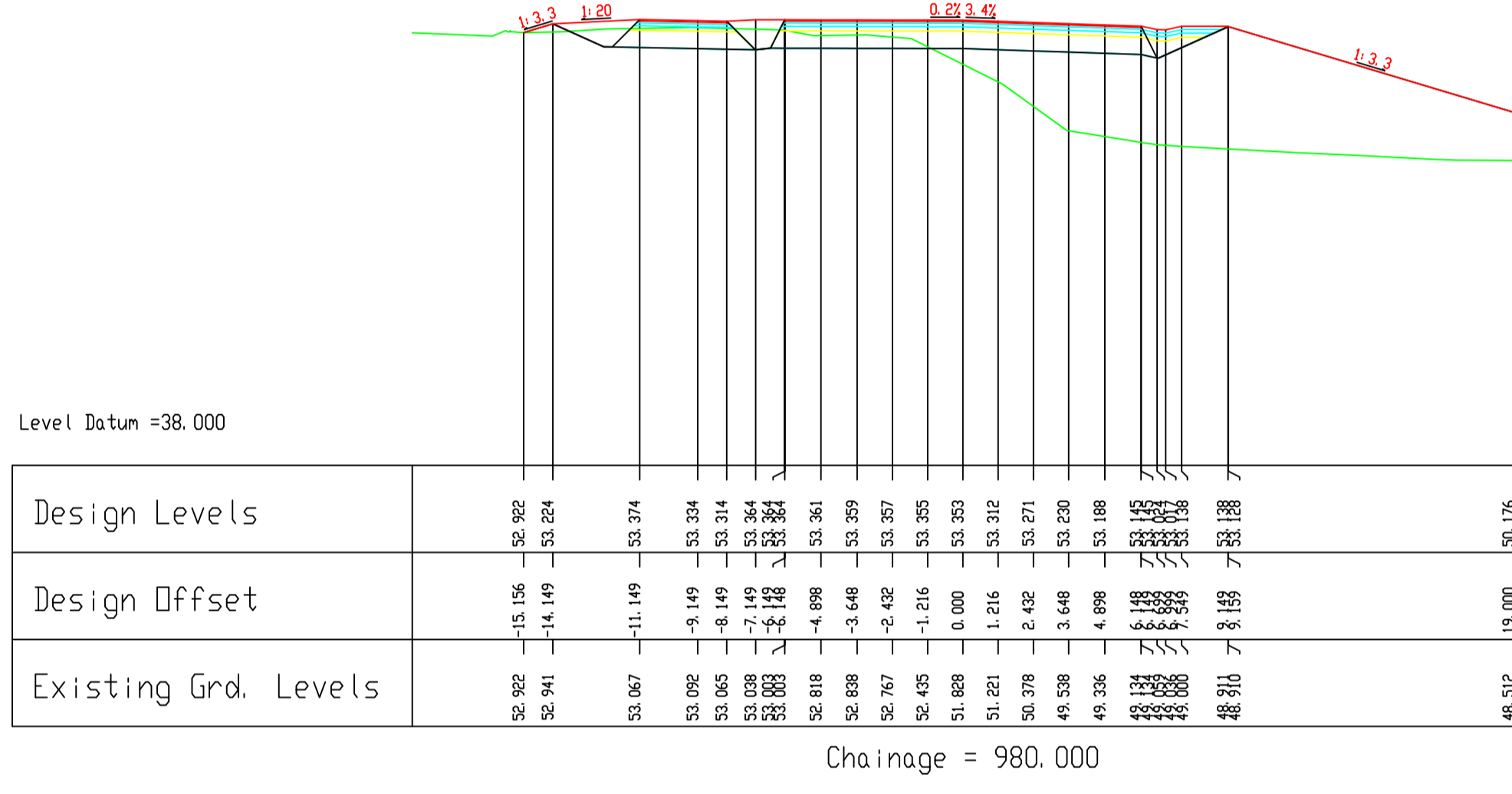
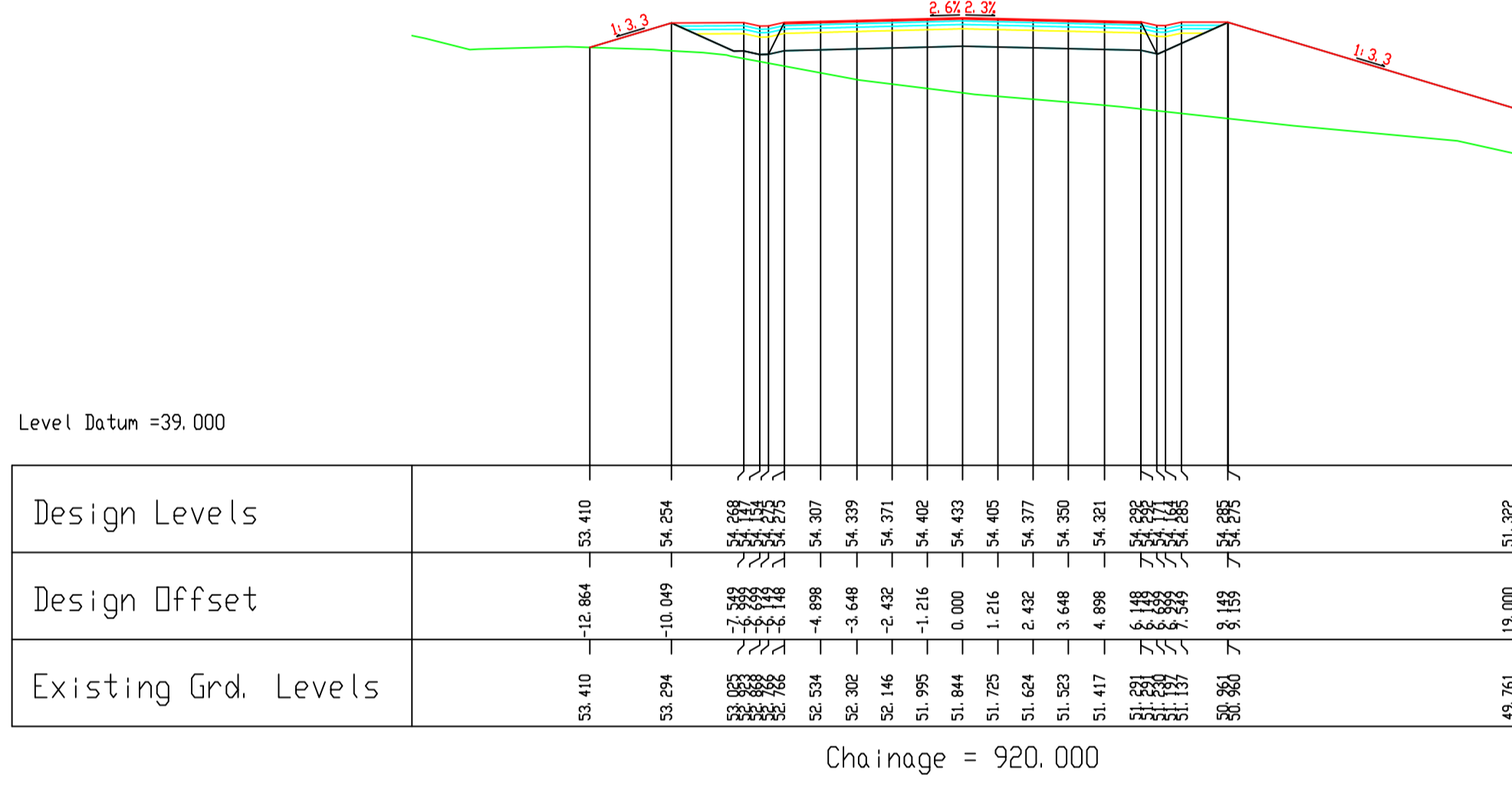
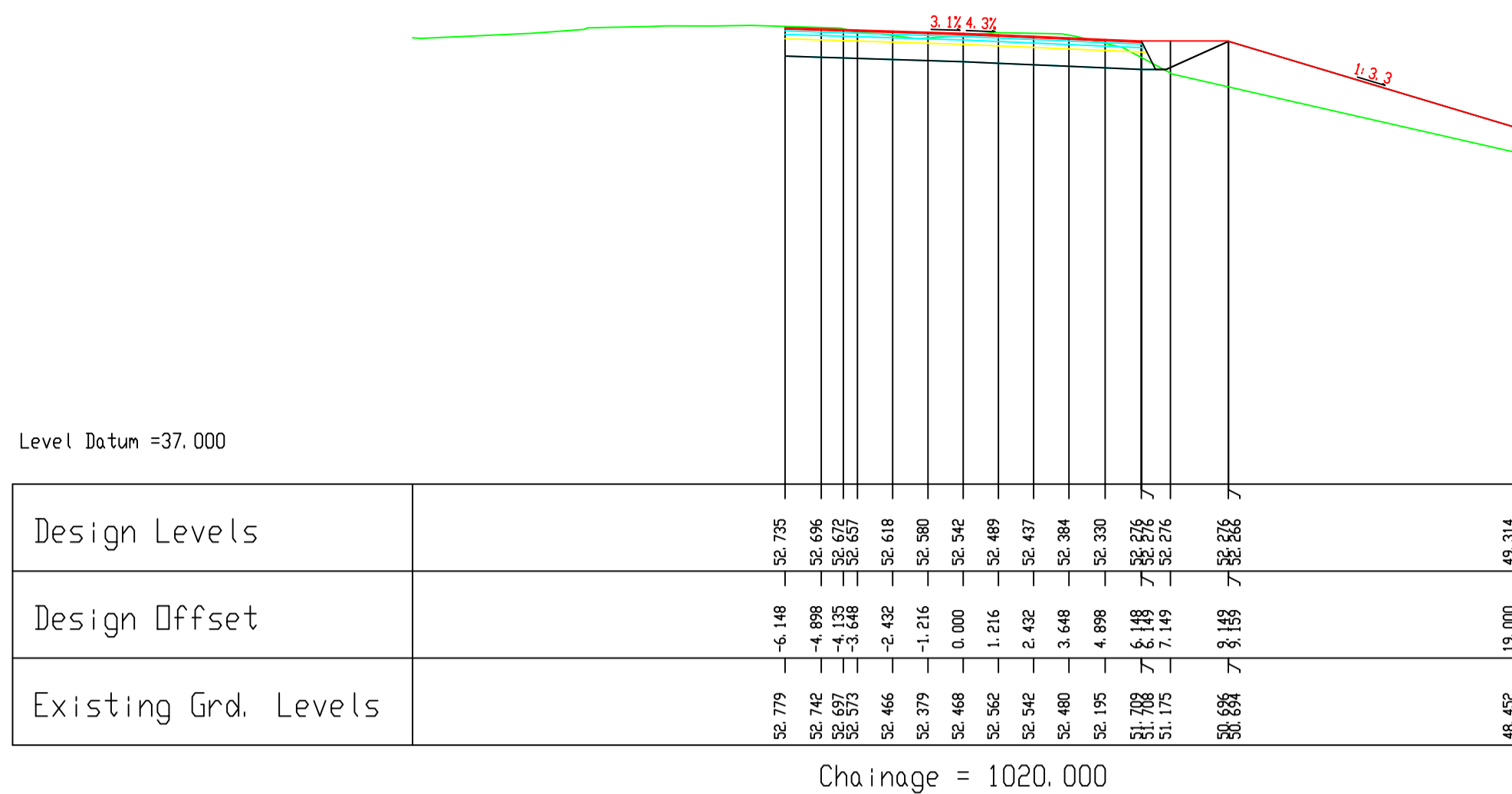
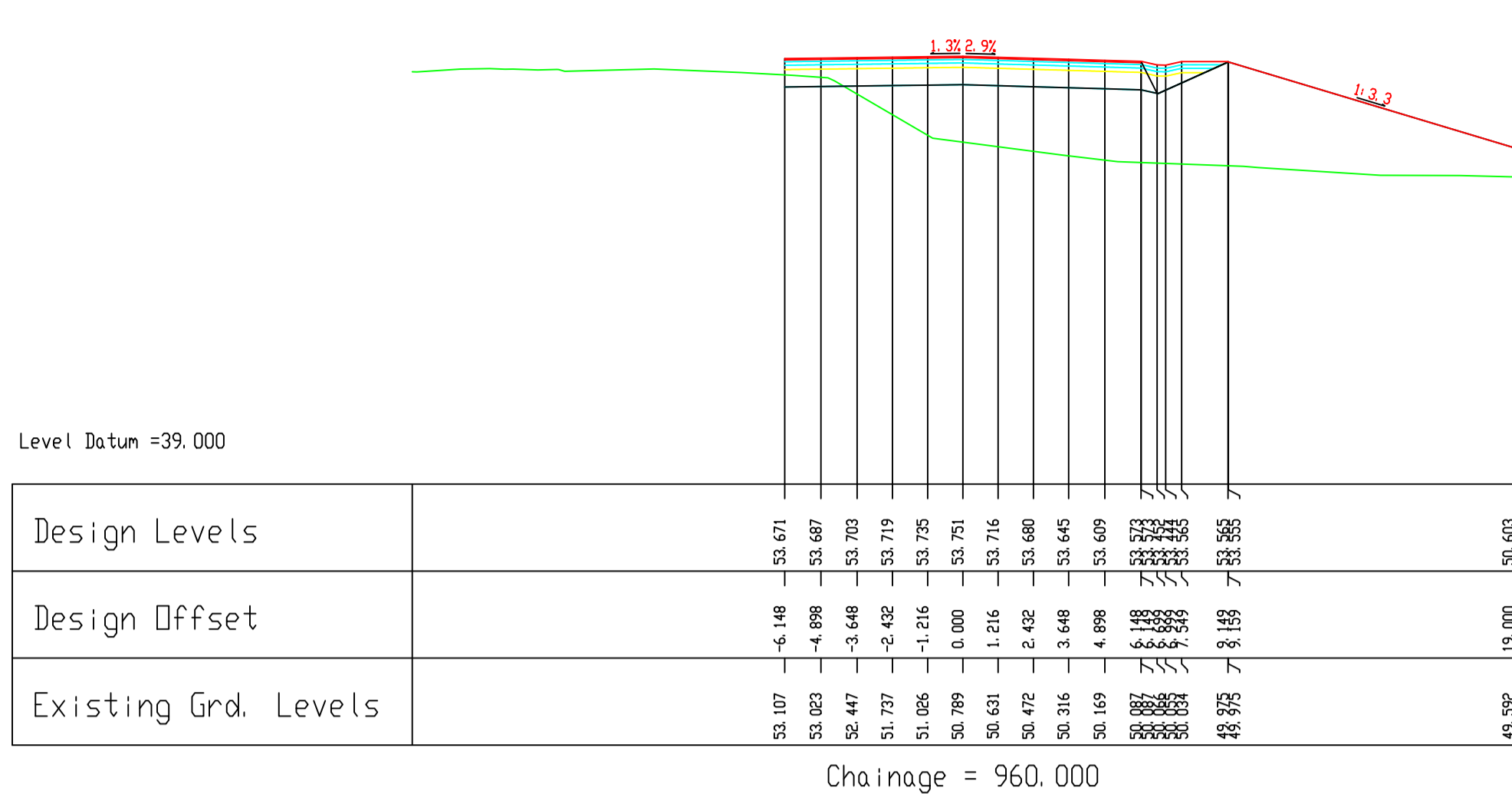
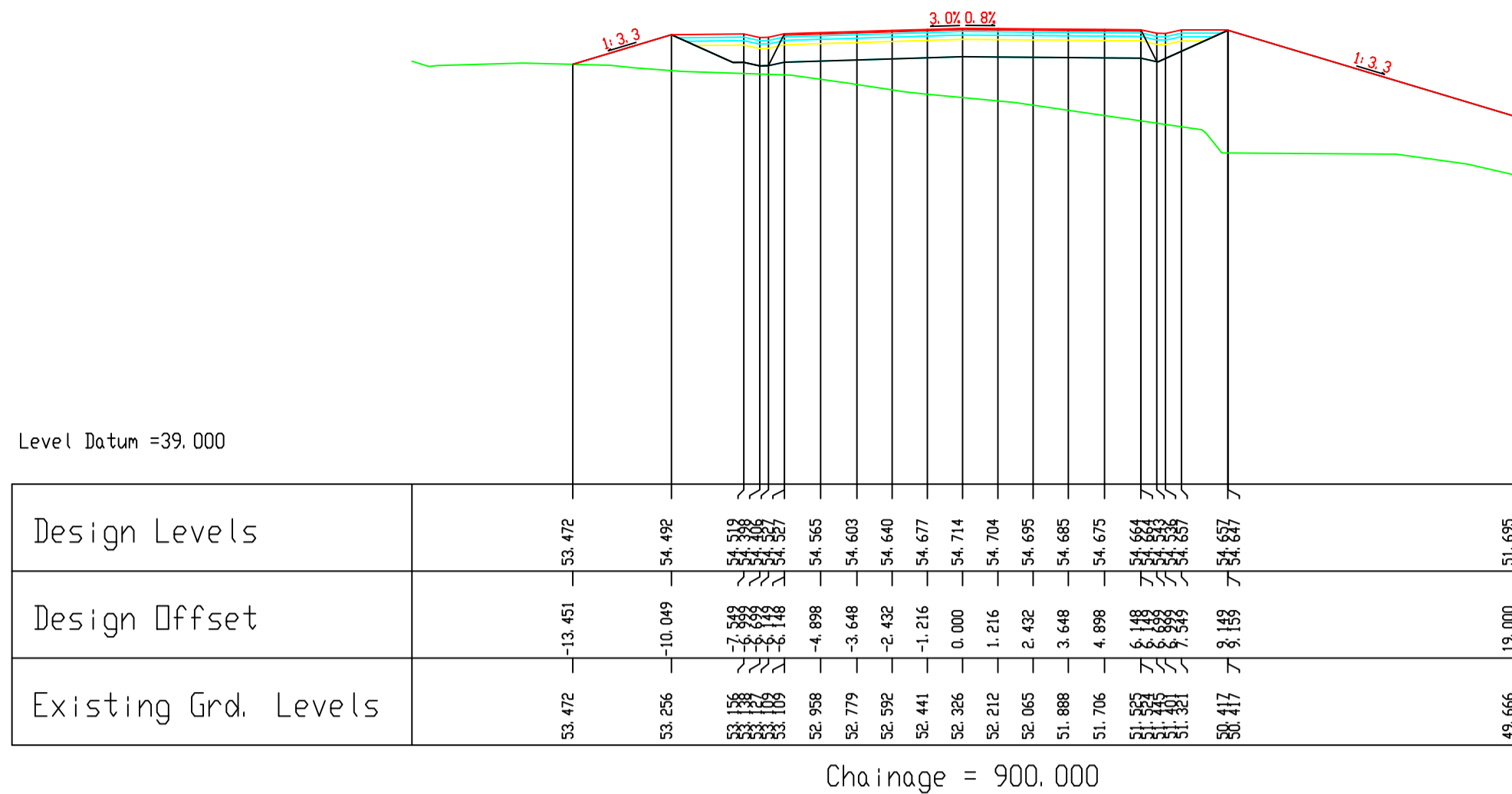


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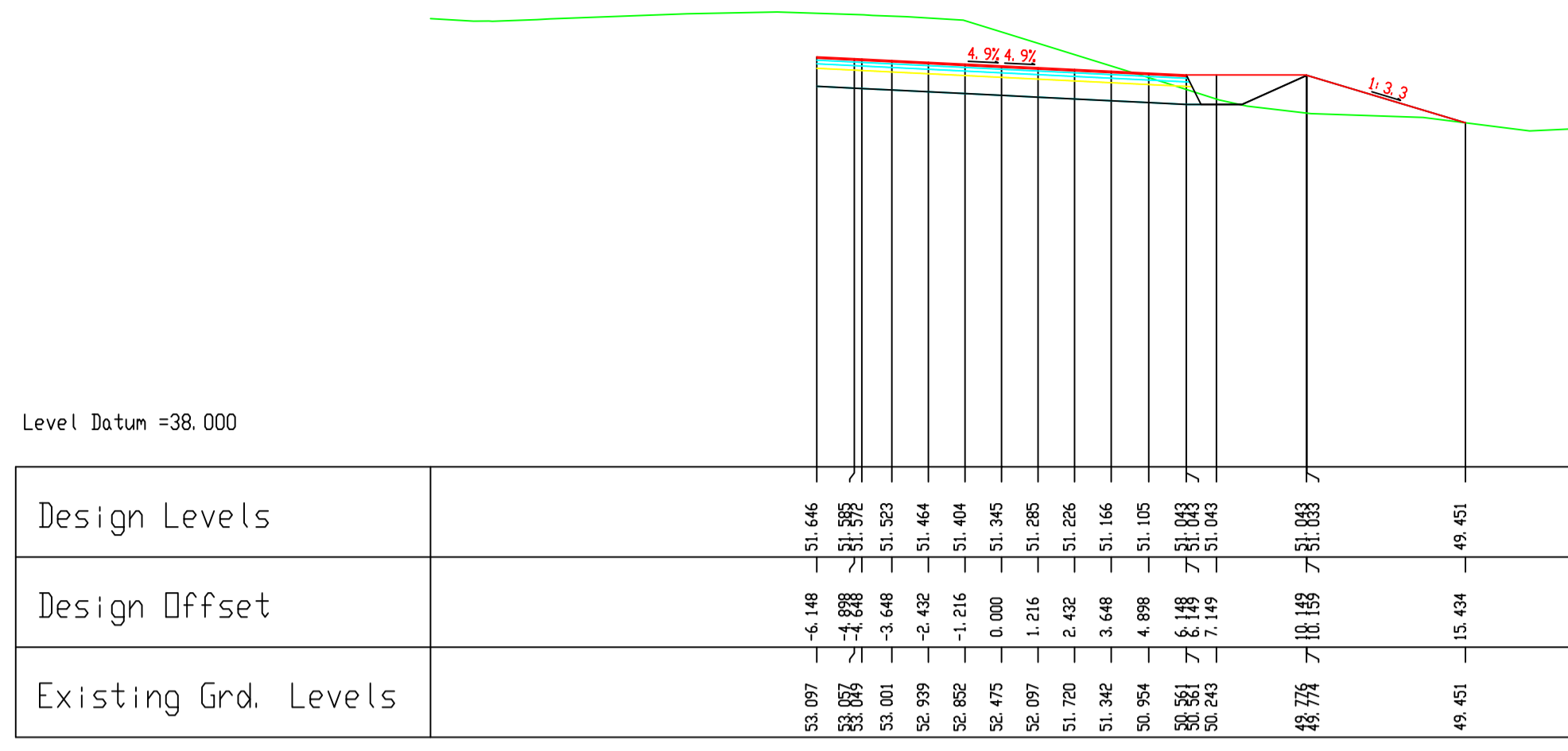
REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch360-520		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-03



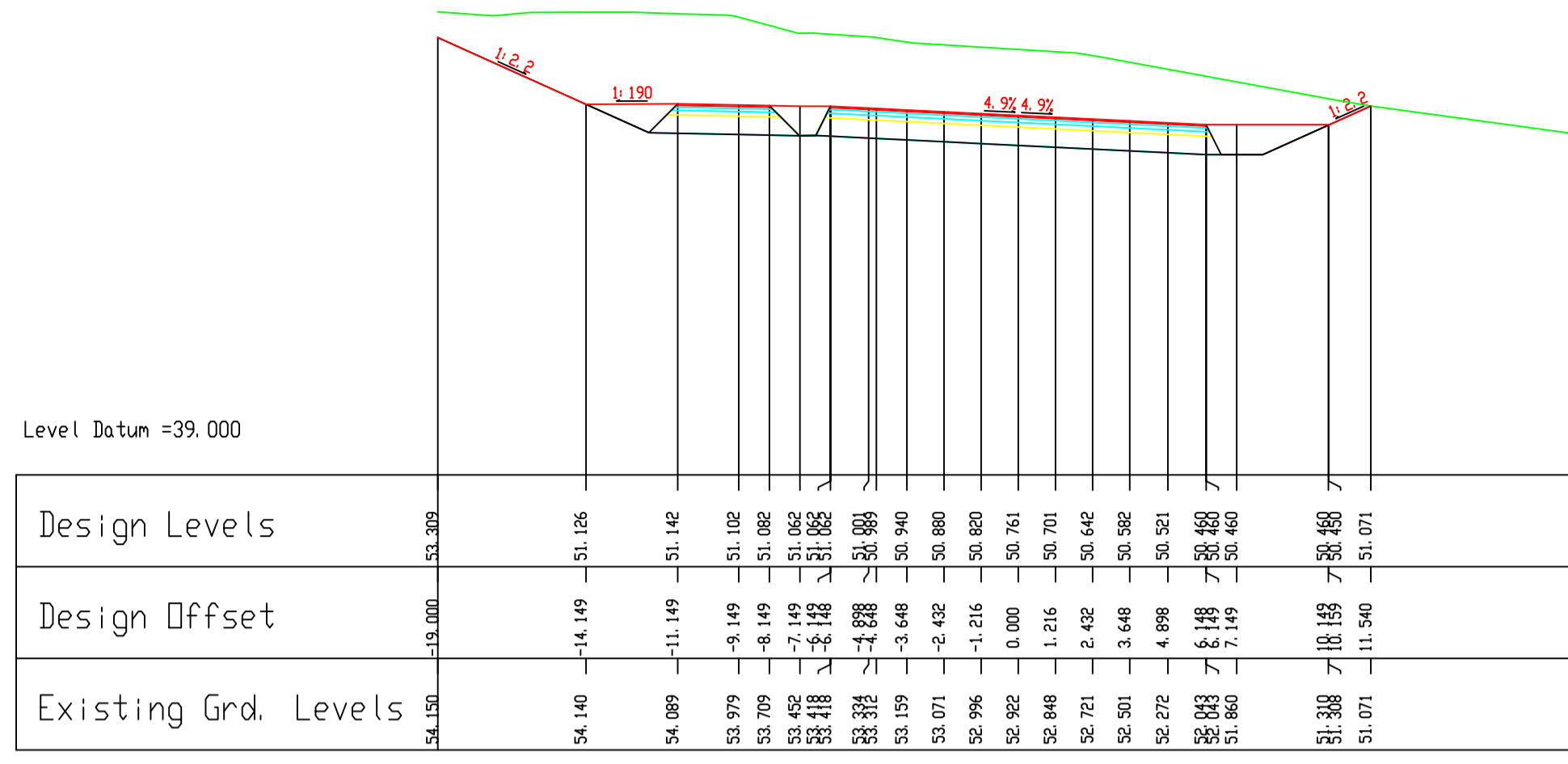
REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunnd		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch900-1060		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-06



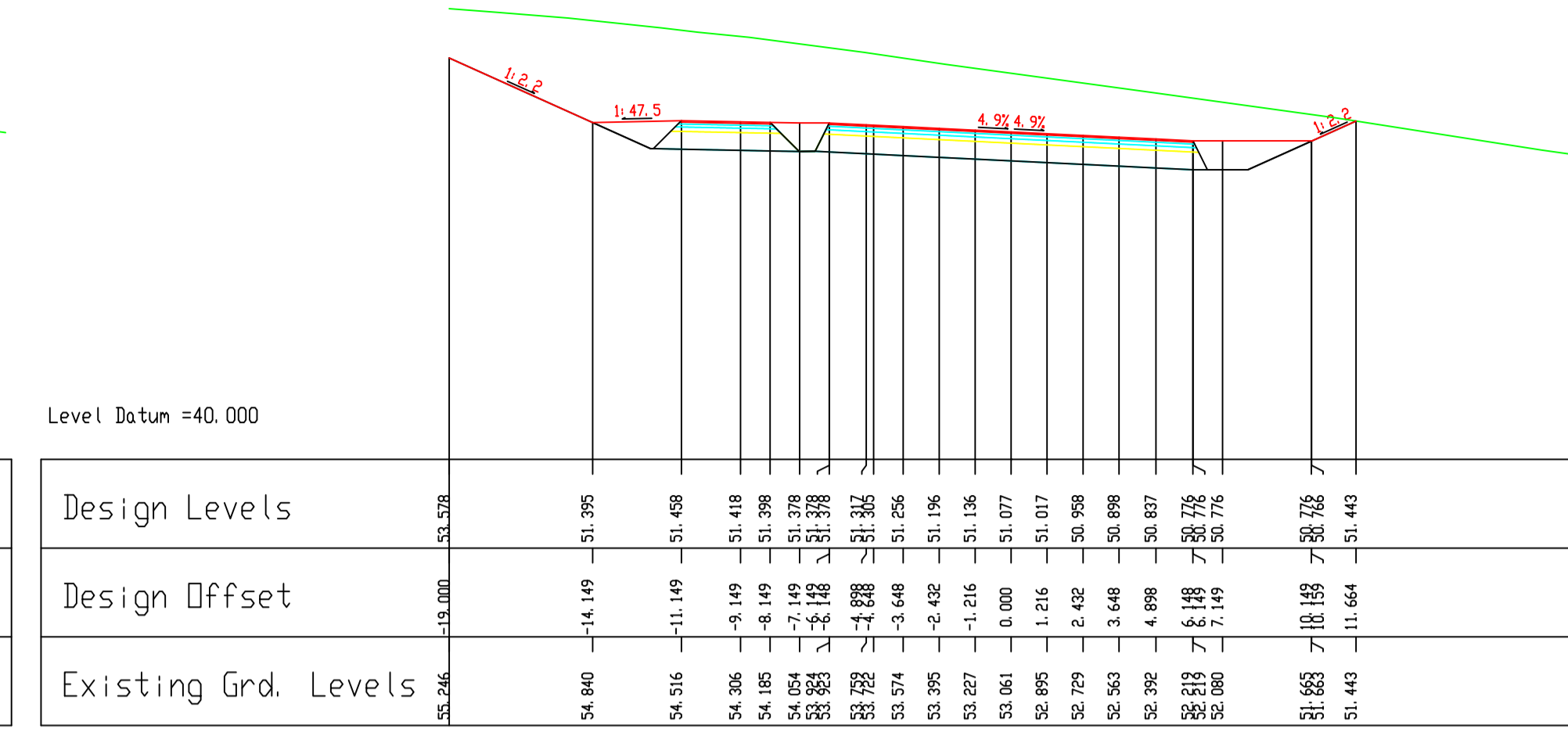
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Design Offset	
Existing Grd. Levels	

Chainage = 1080.000



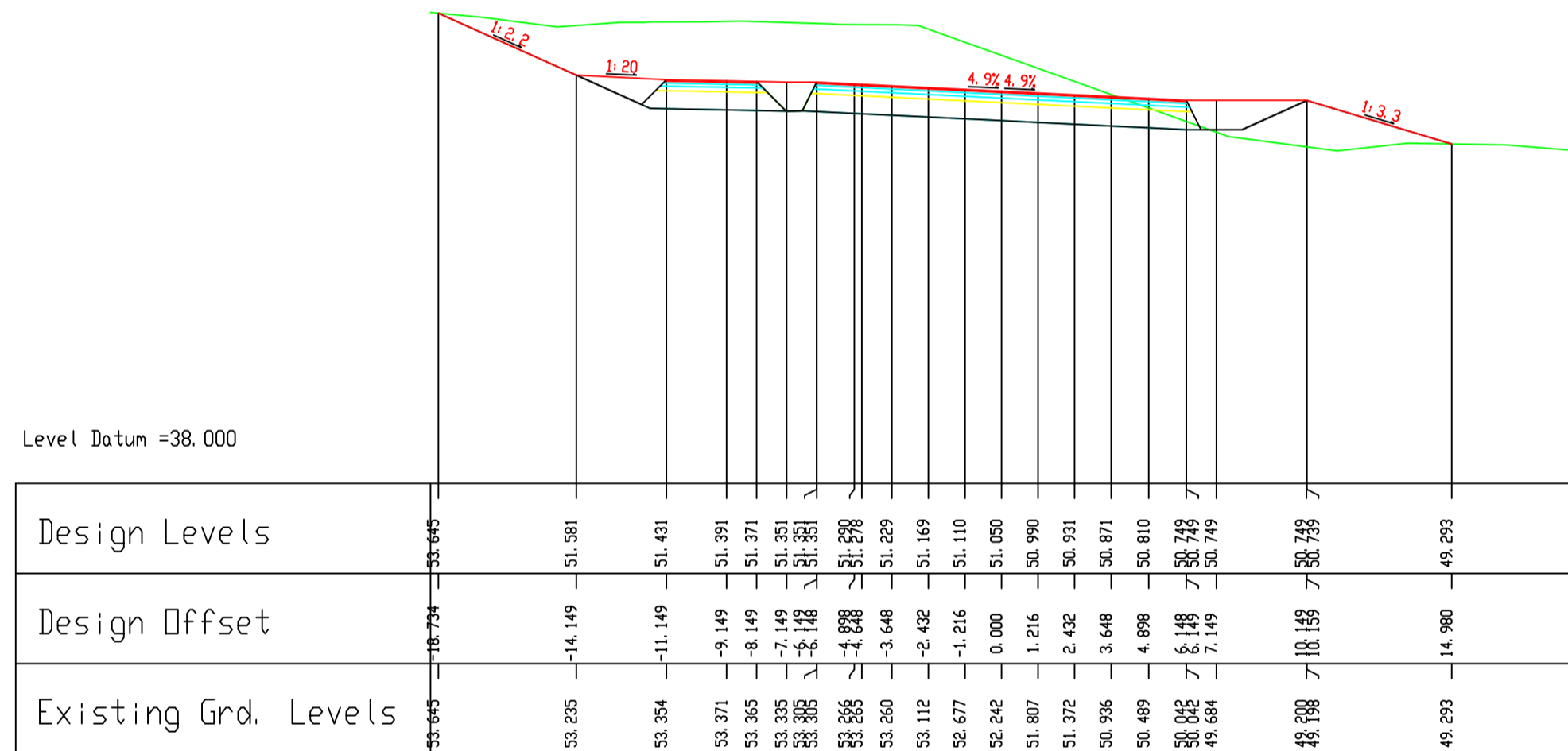
Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1140.000



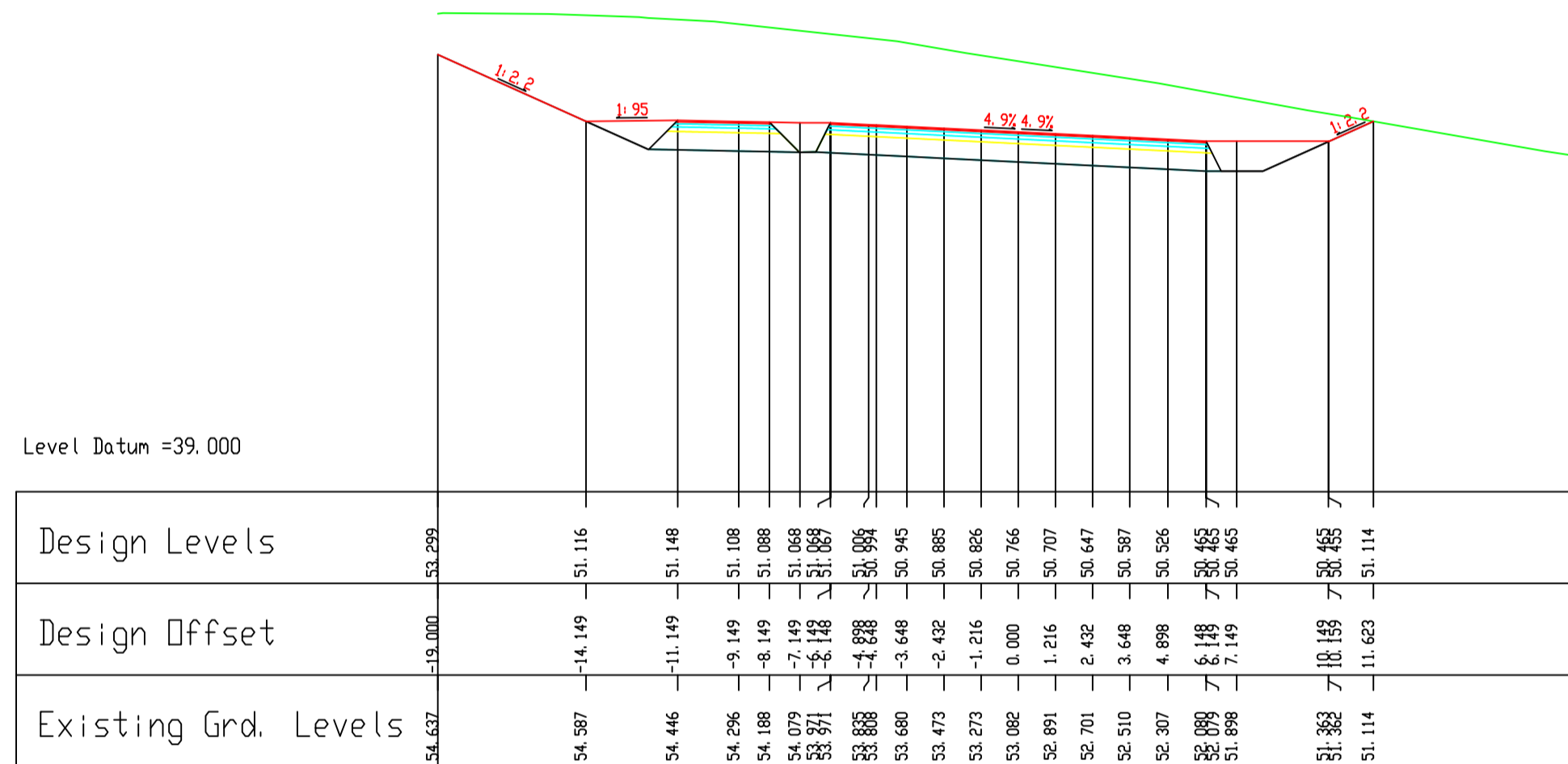
Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1200.000



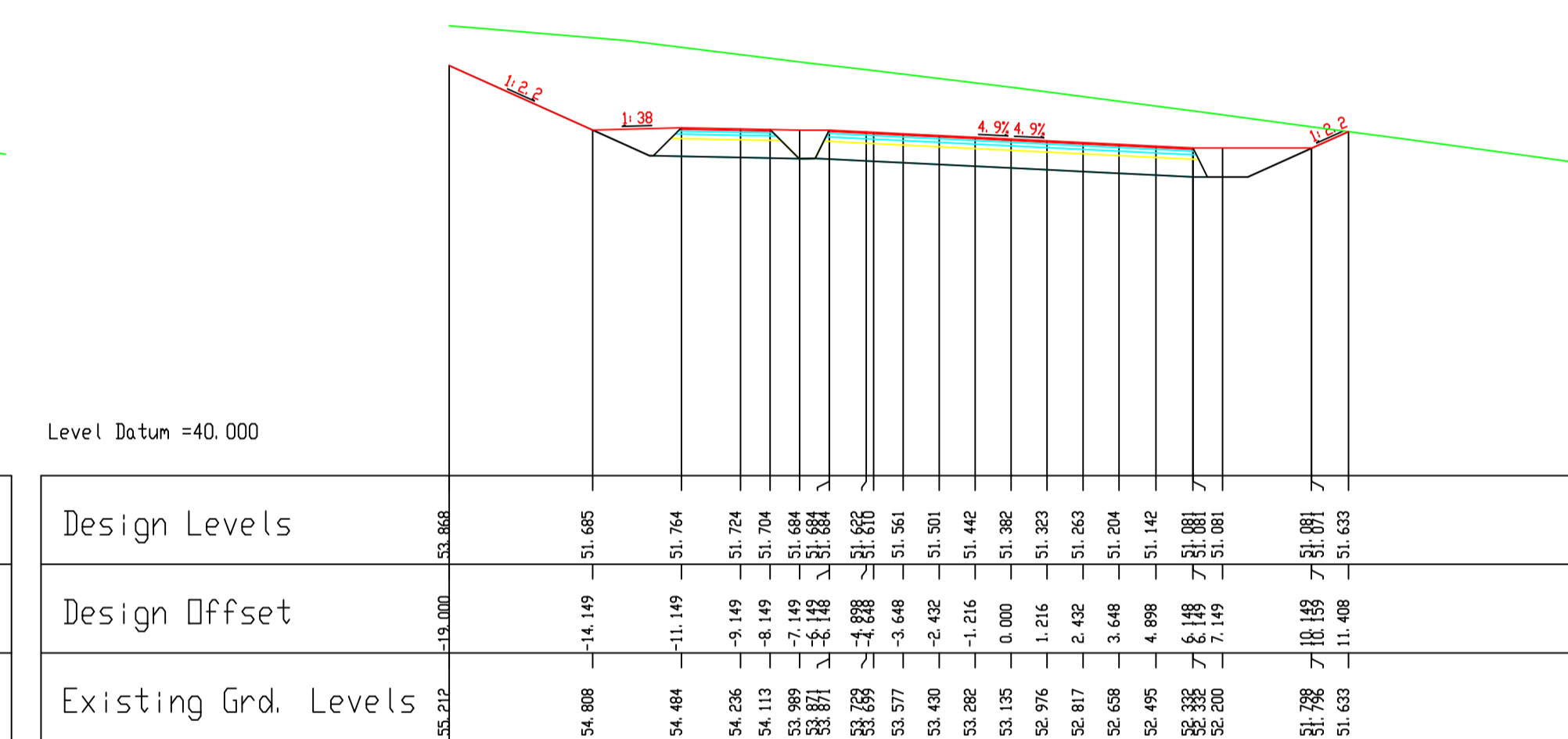
Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1100.000



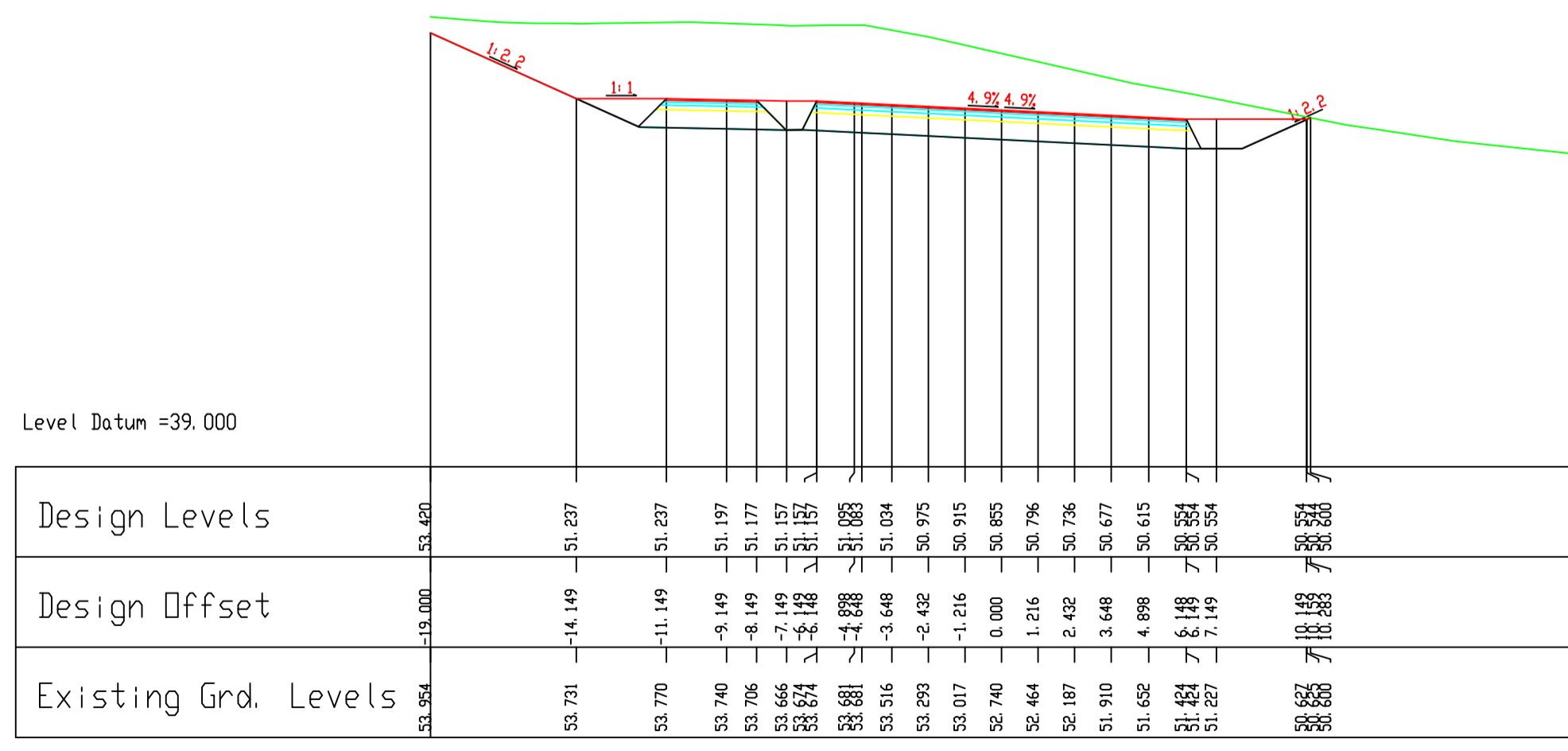
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Design Offset	
Existing Grd. Levels	

Chainage = 1160.000



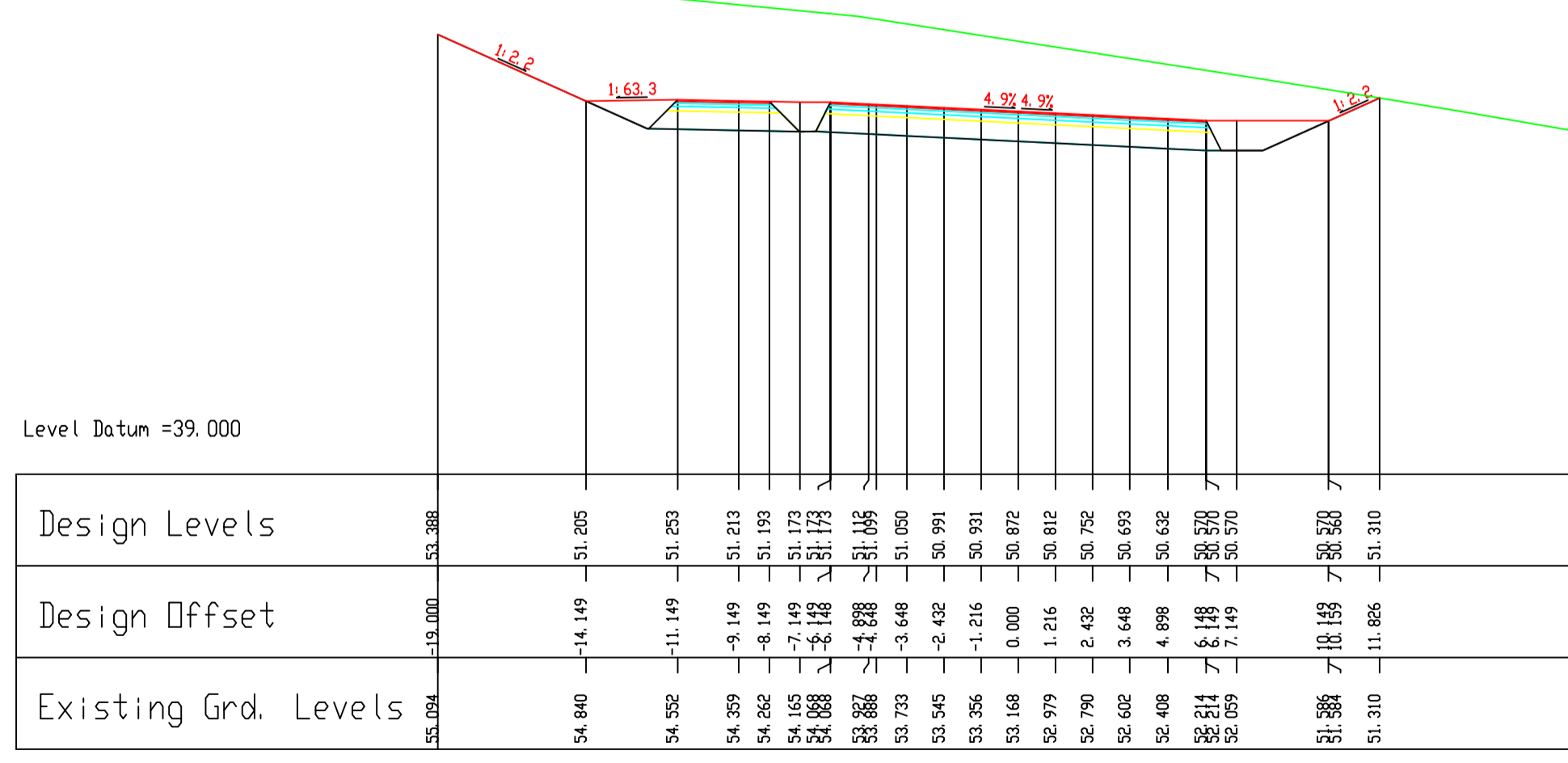
Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1220.000



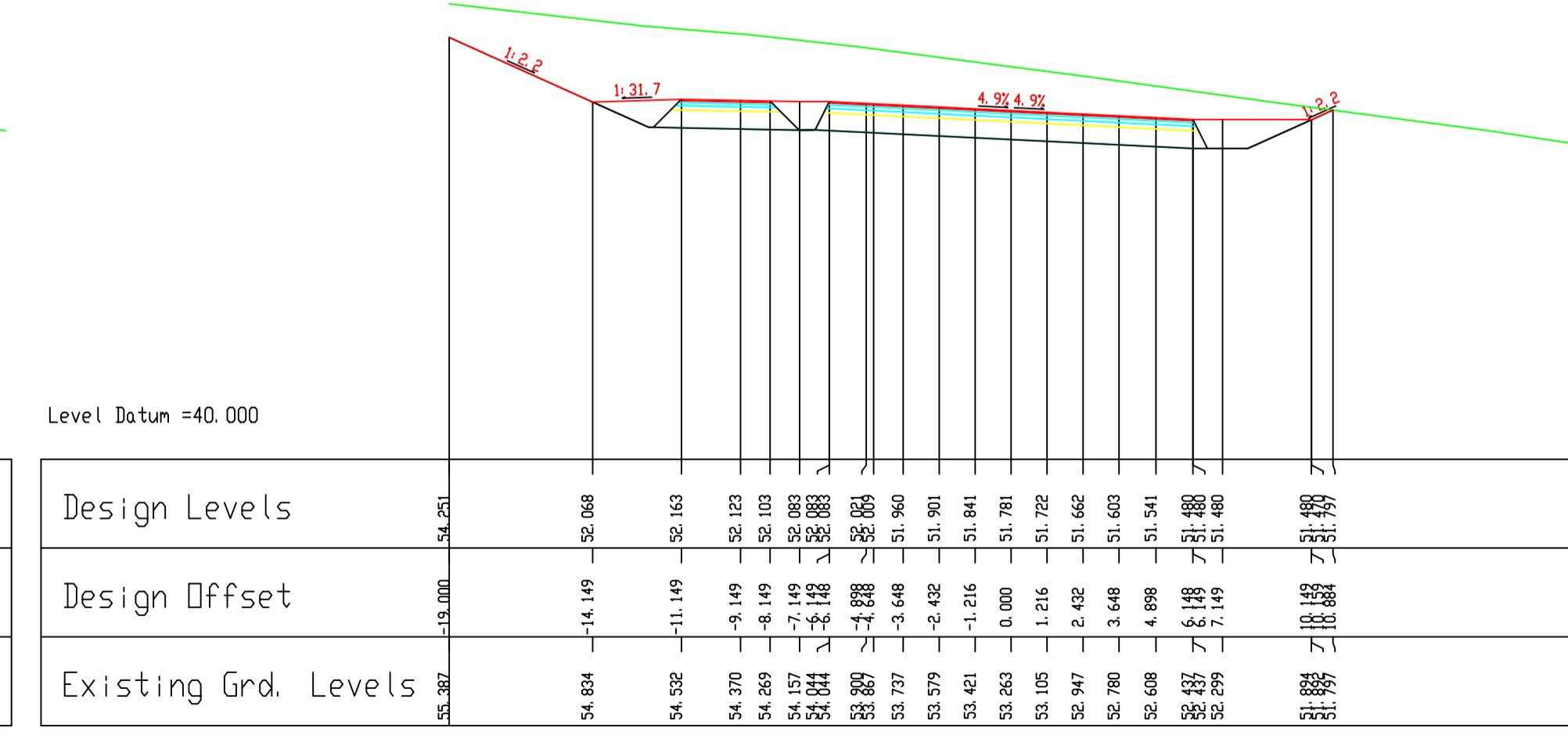
Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1120.000



Design Levels	
Design Offset	
Existing Grd. Levels	

Chainage = 1180.000



Design Levels	
Design Offset	
Existing Grd. Levels	

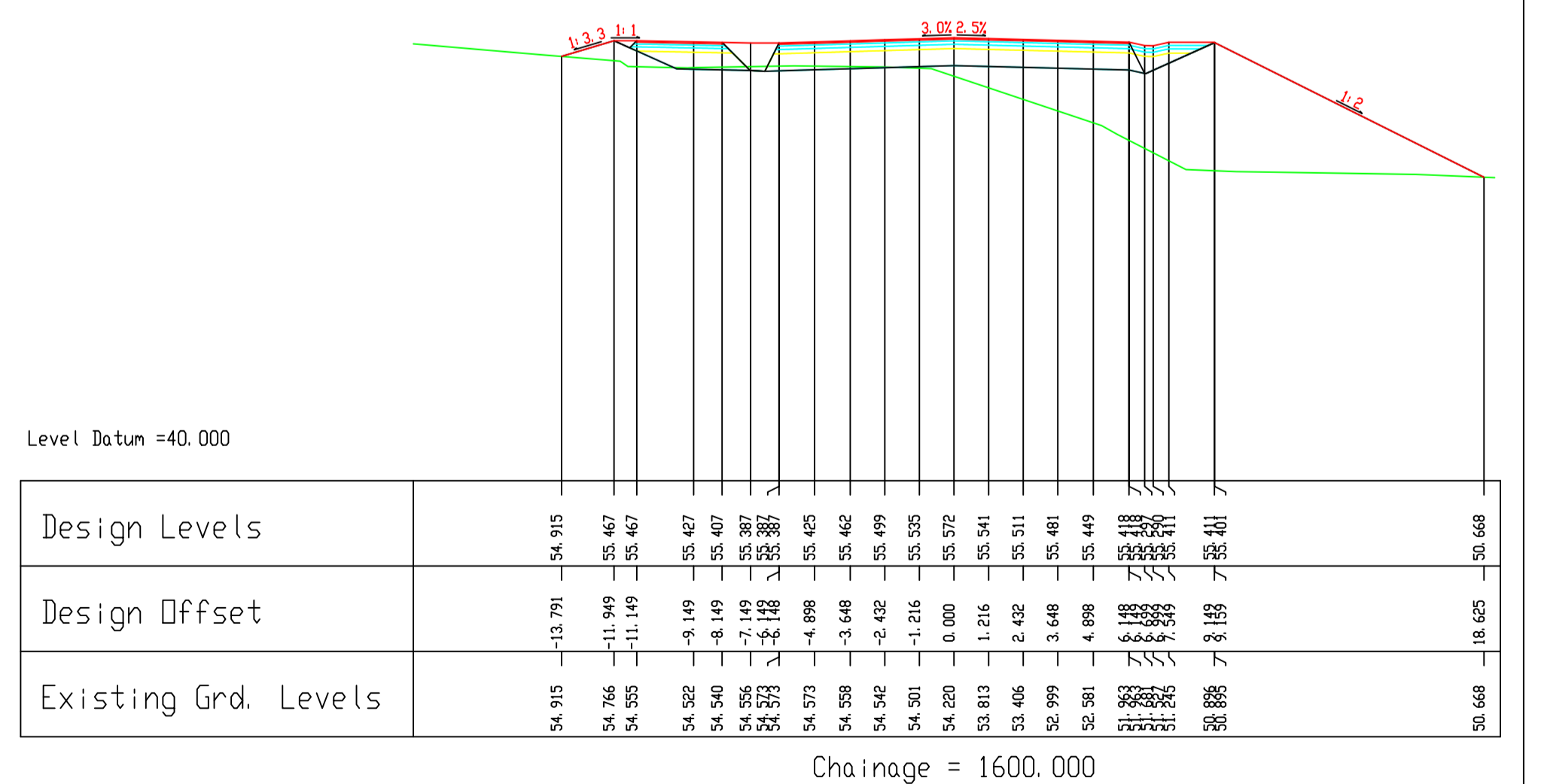
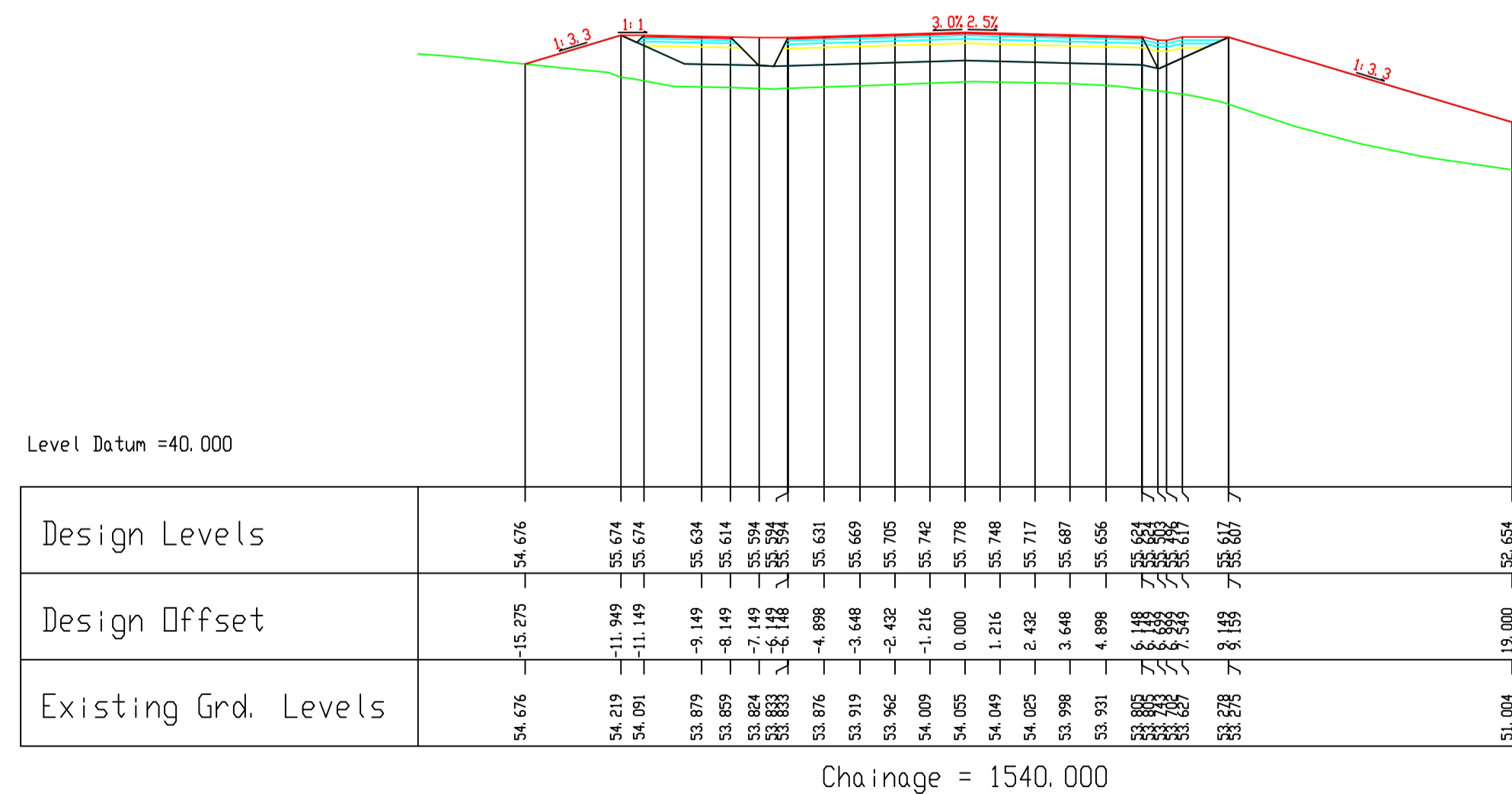
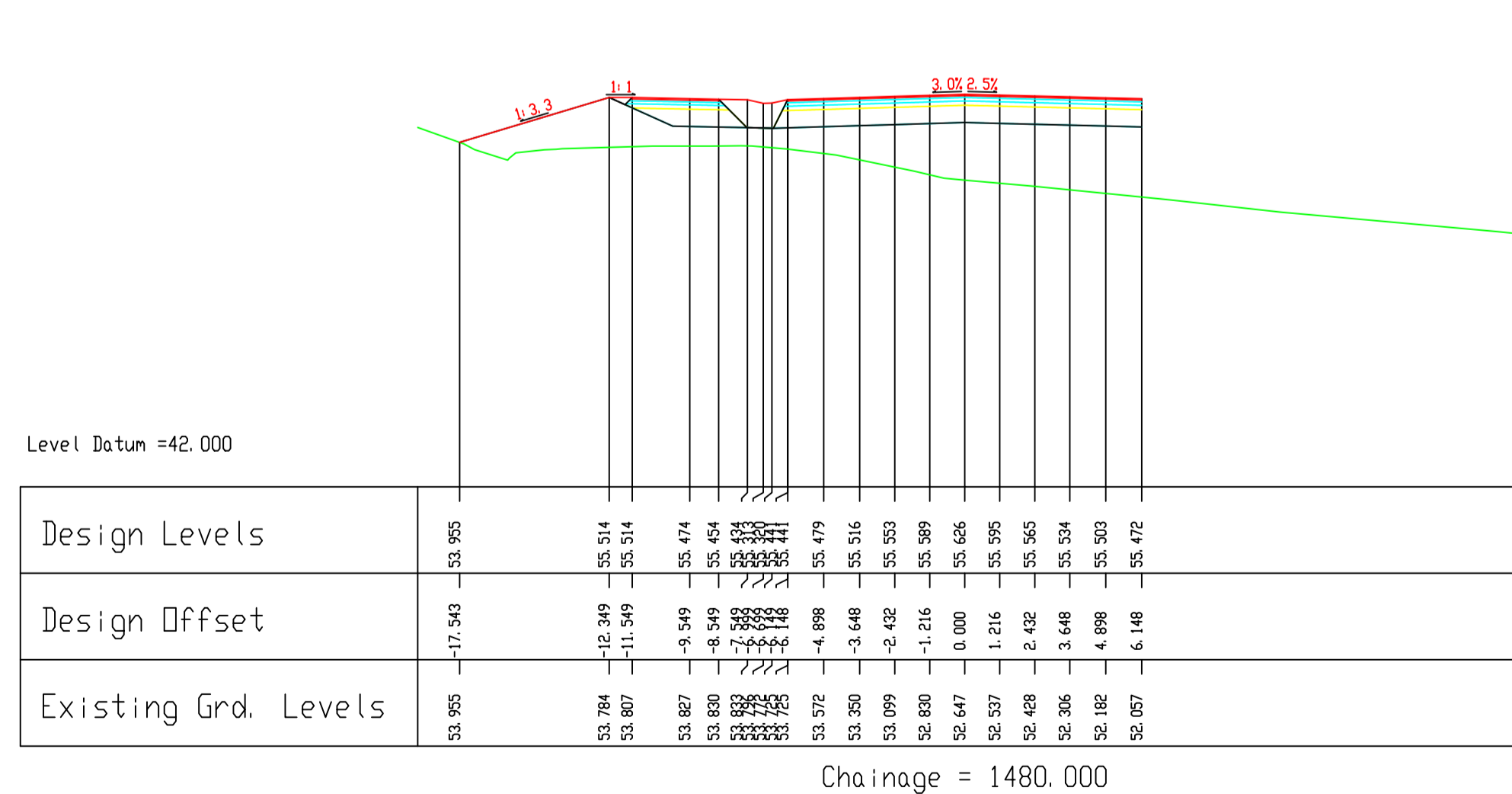
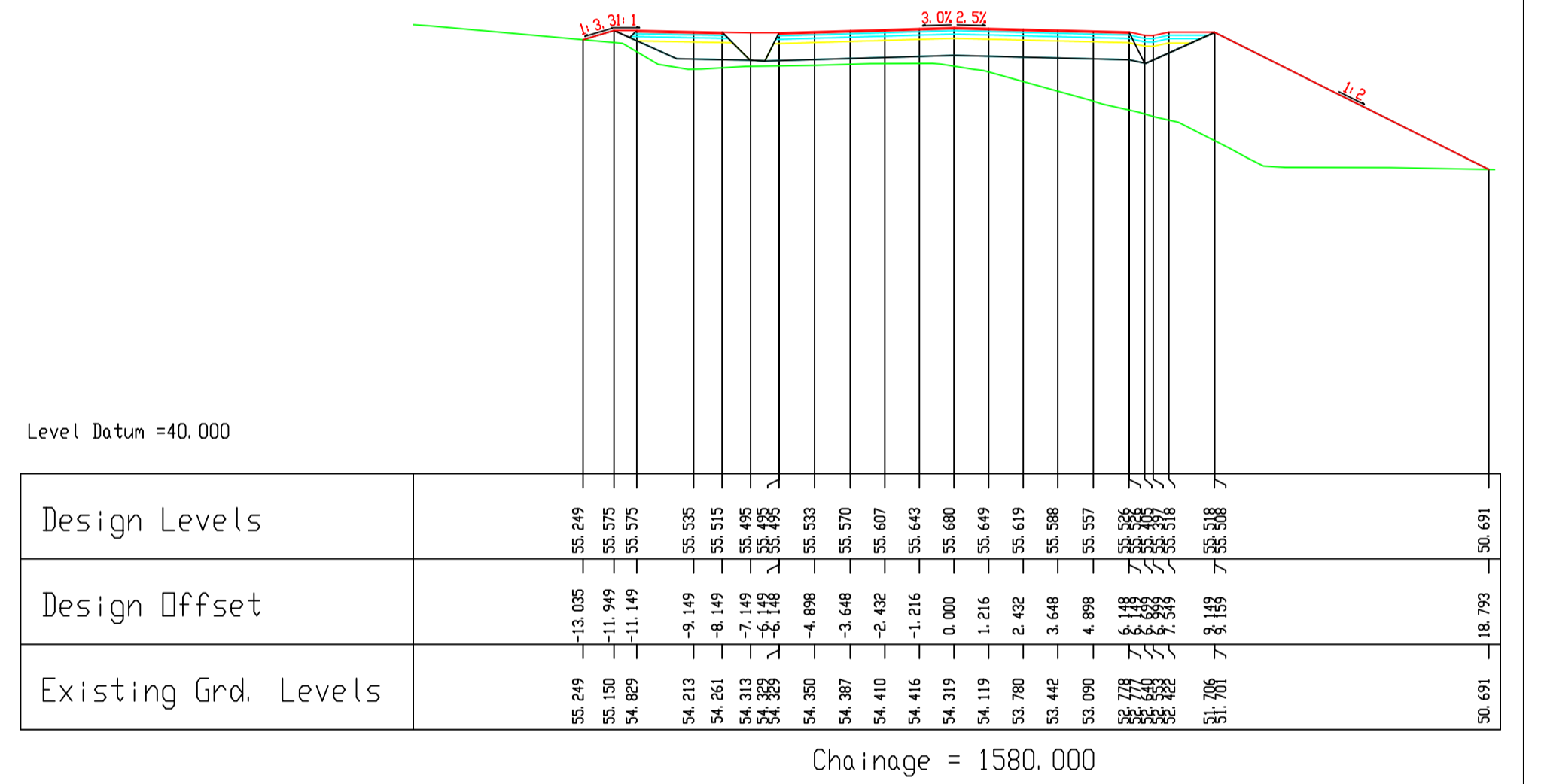
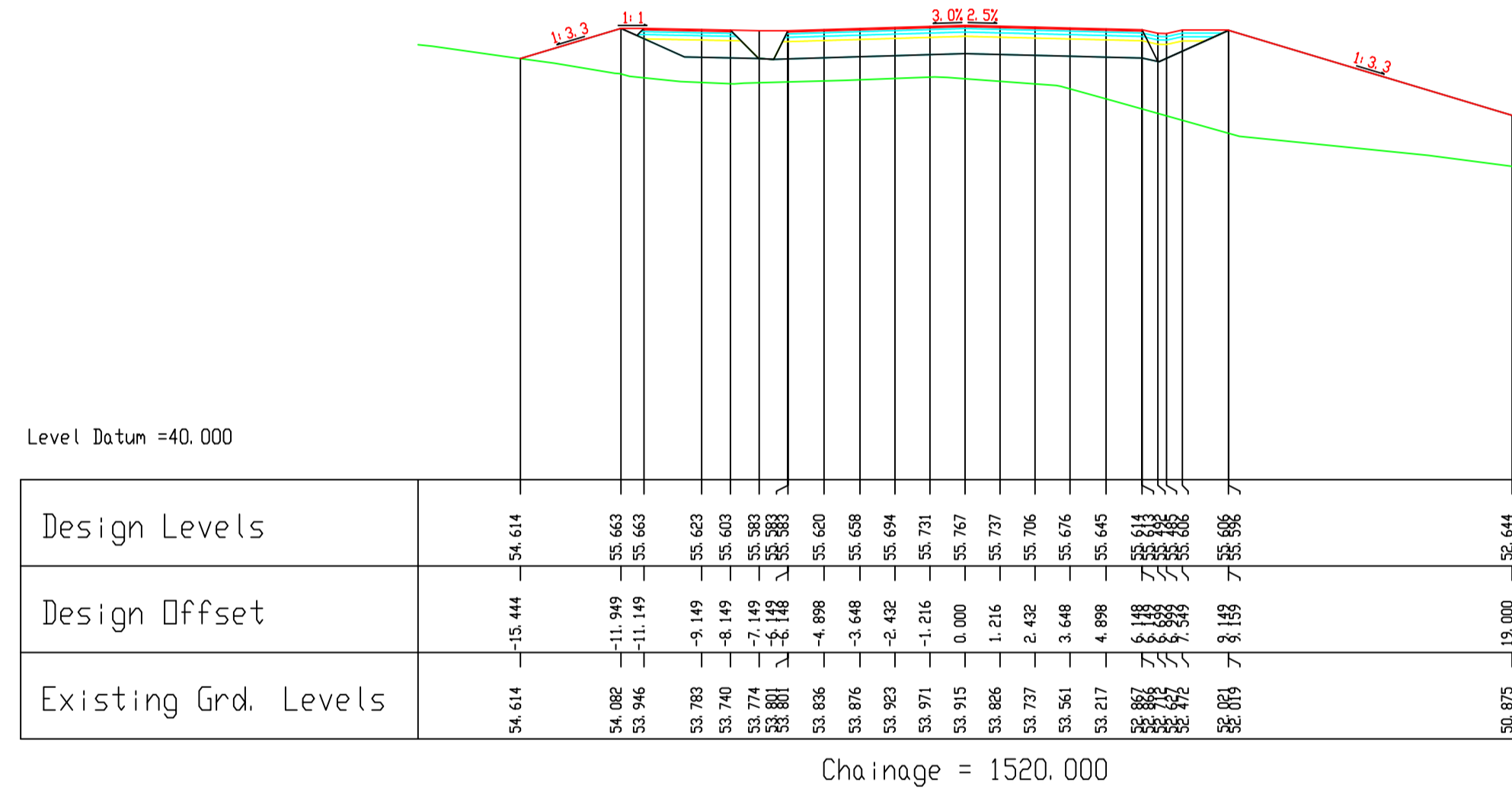
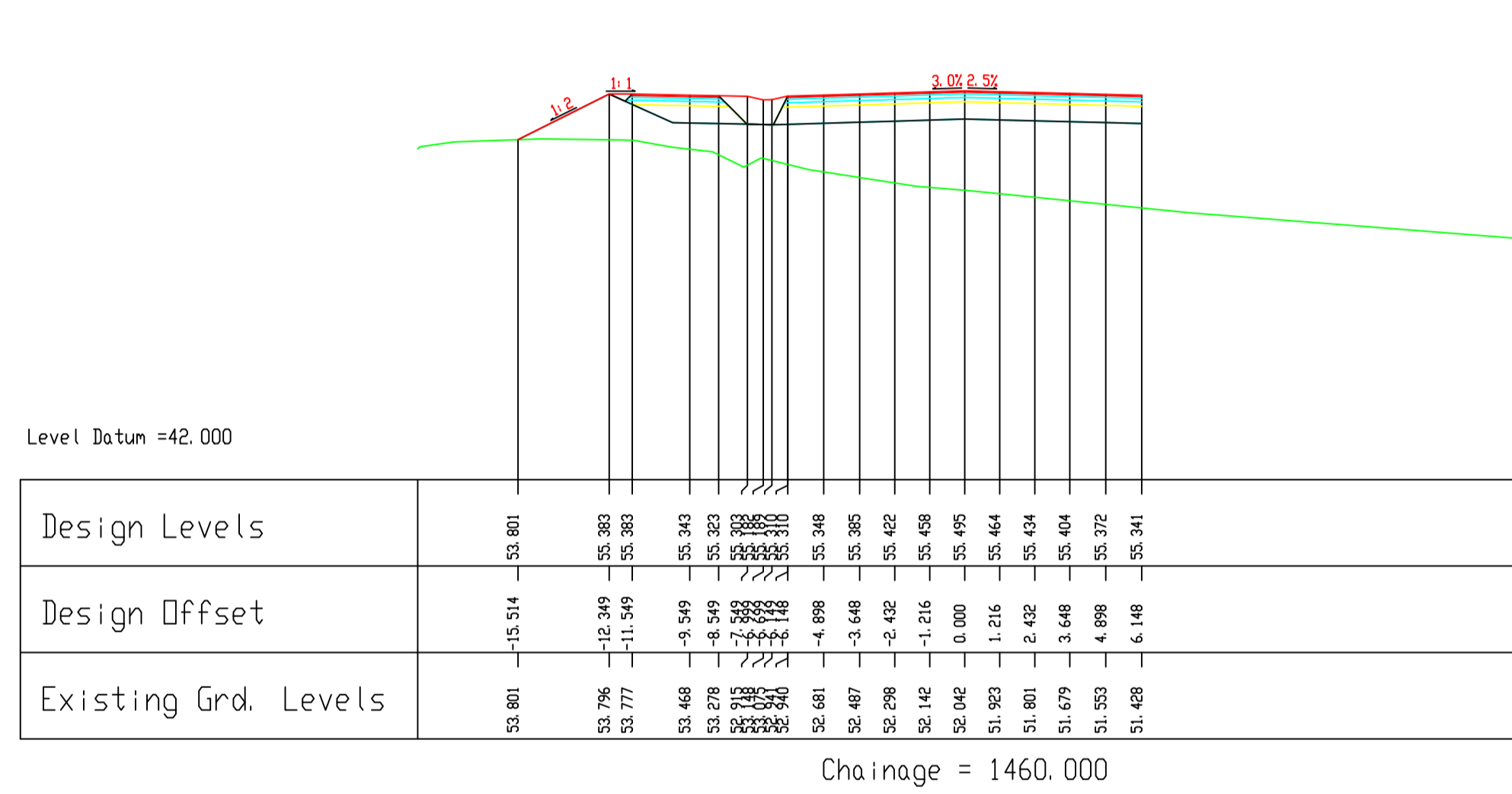
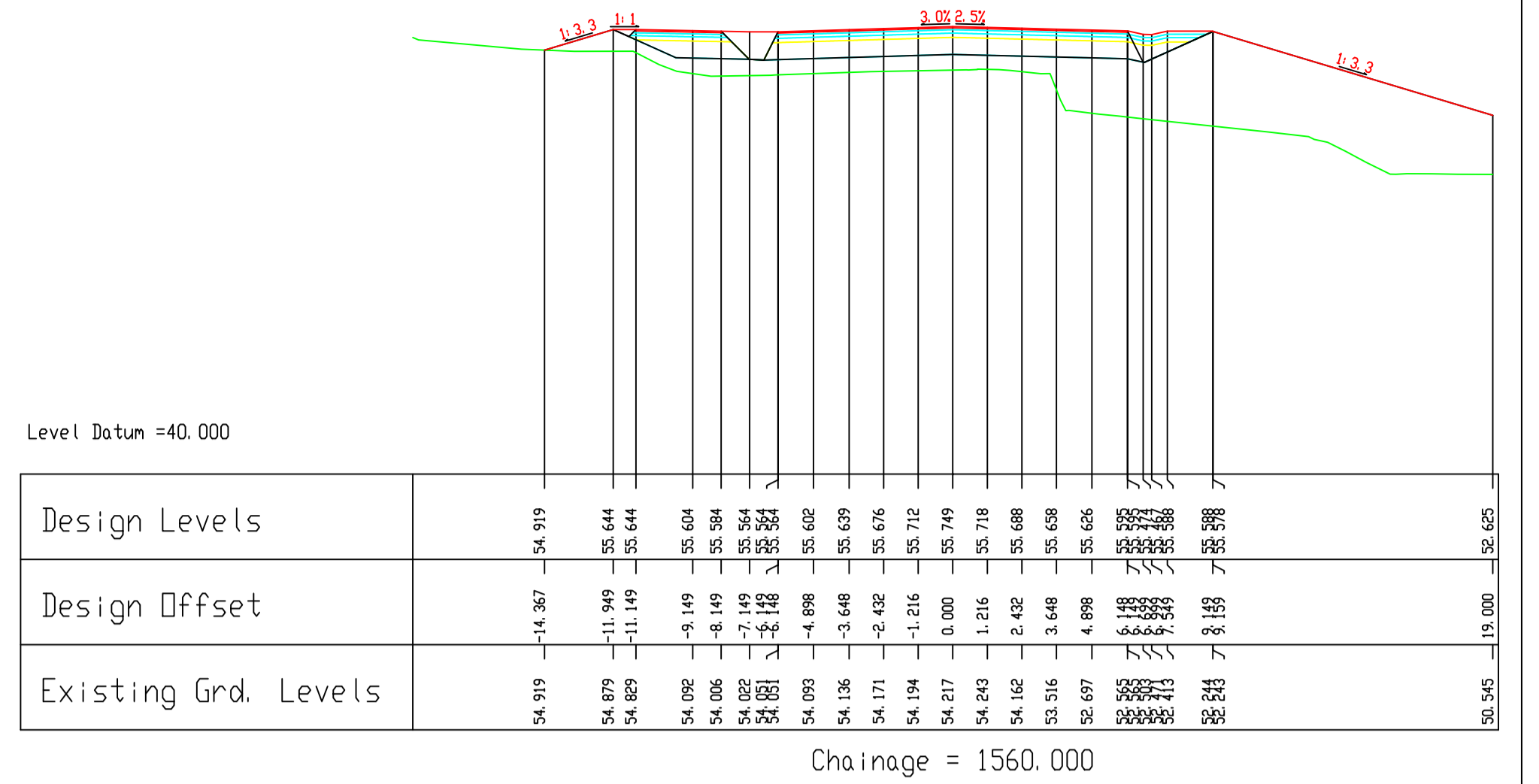
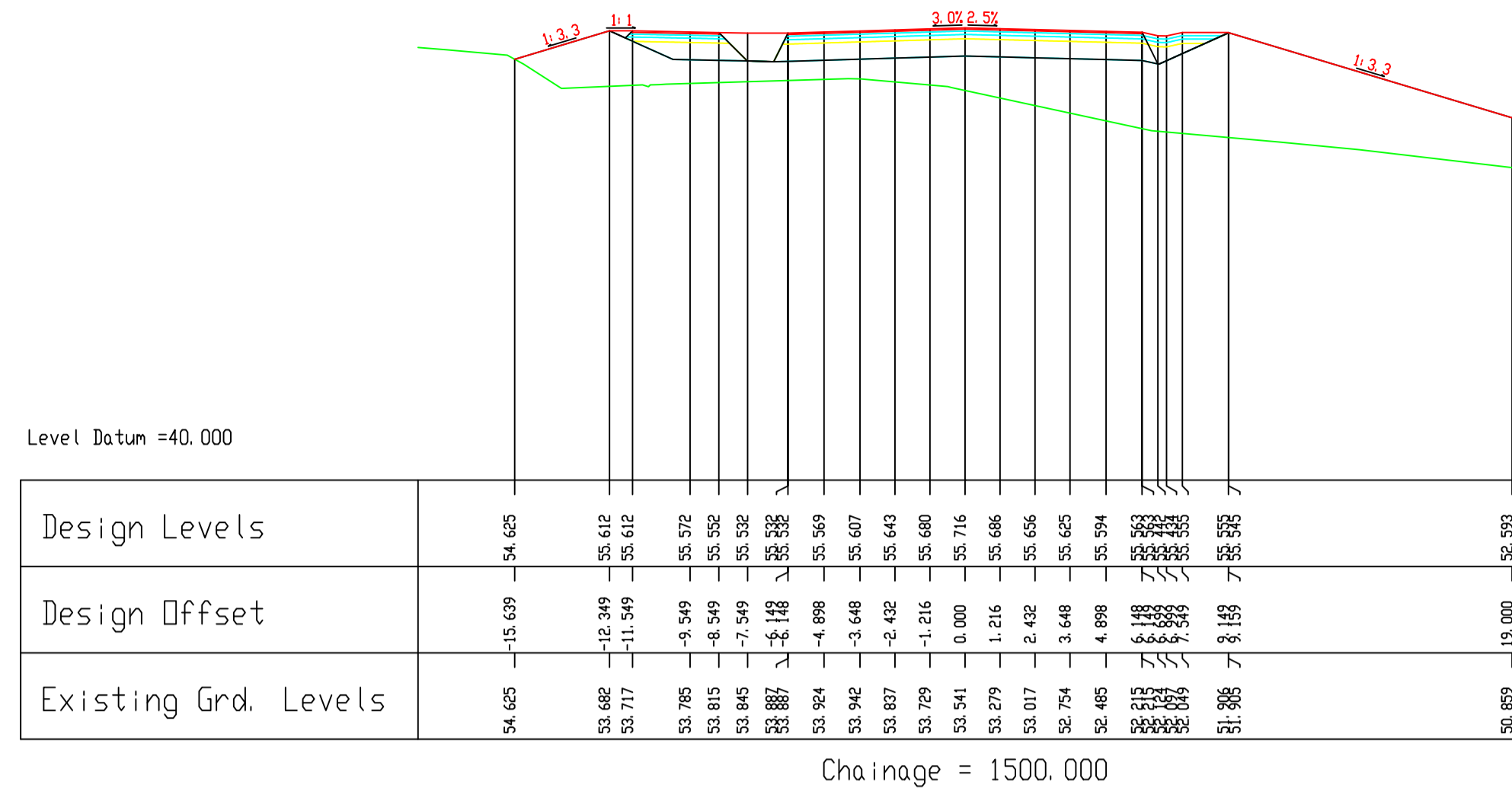
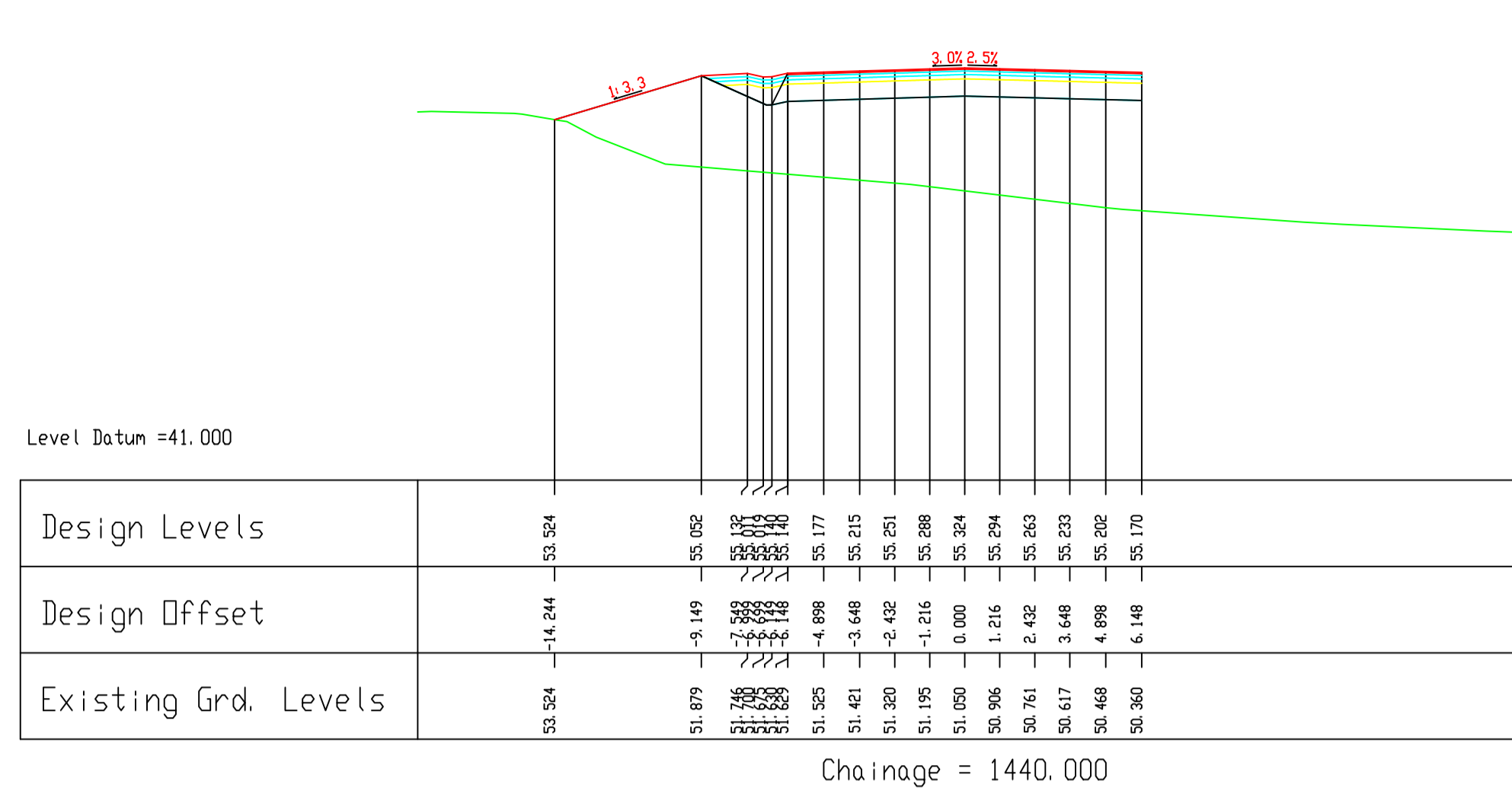
Chainage = 1240.000







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Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunedd		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch1080-1240		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	CS-07



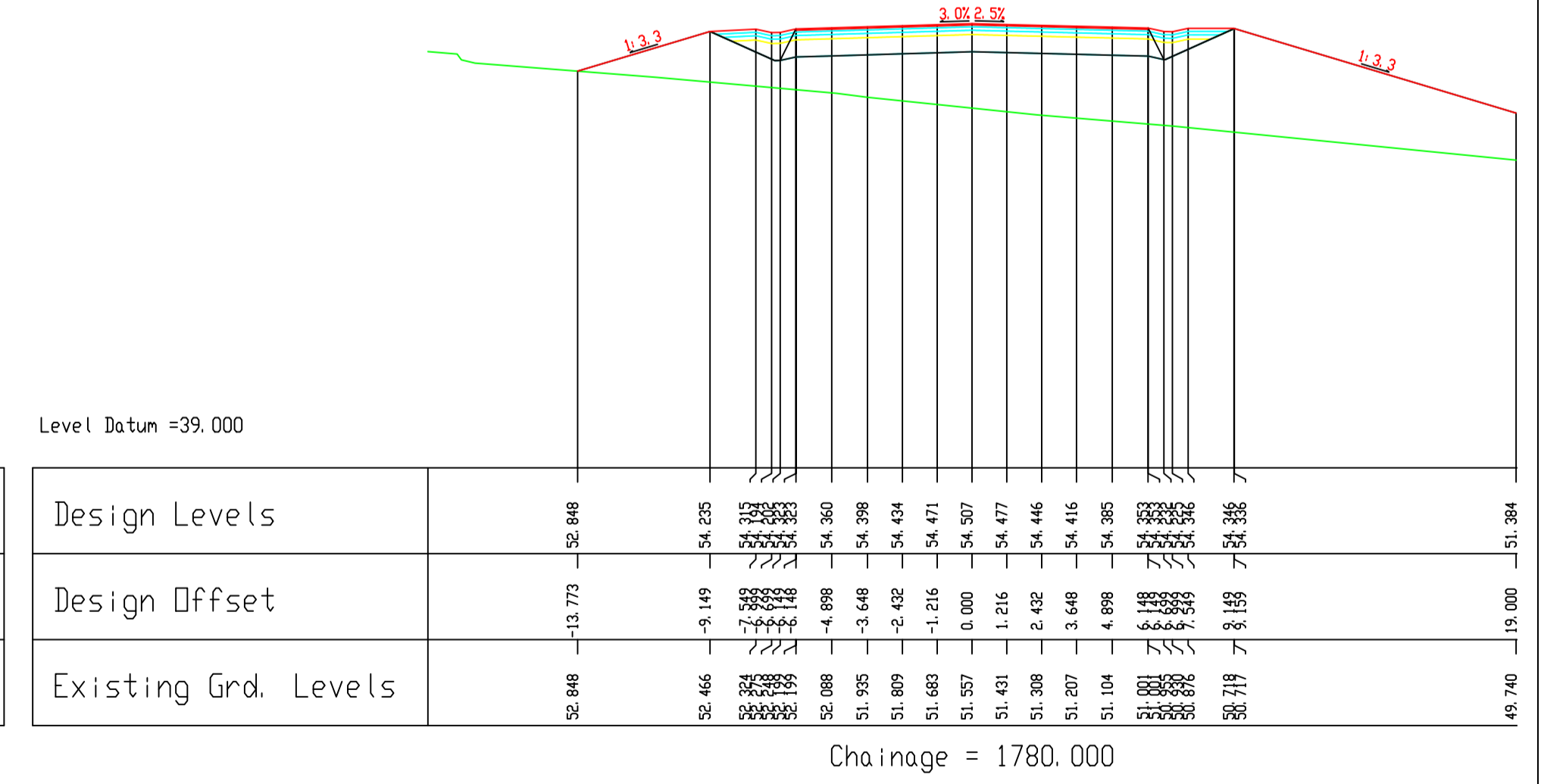
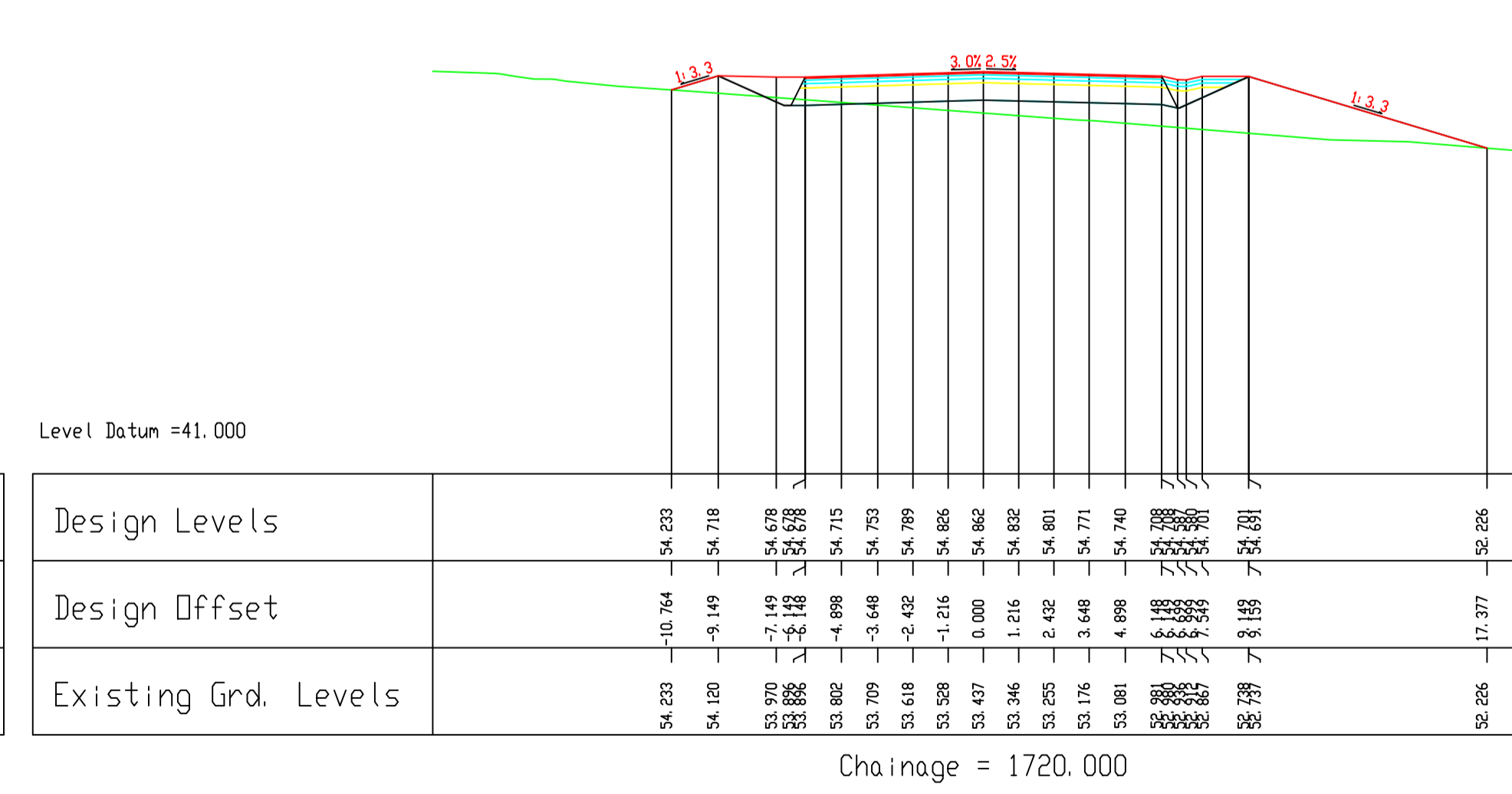
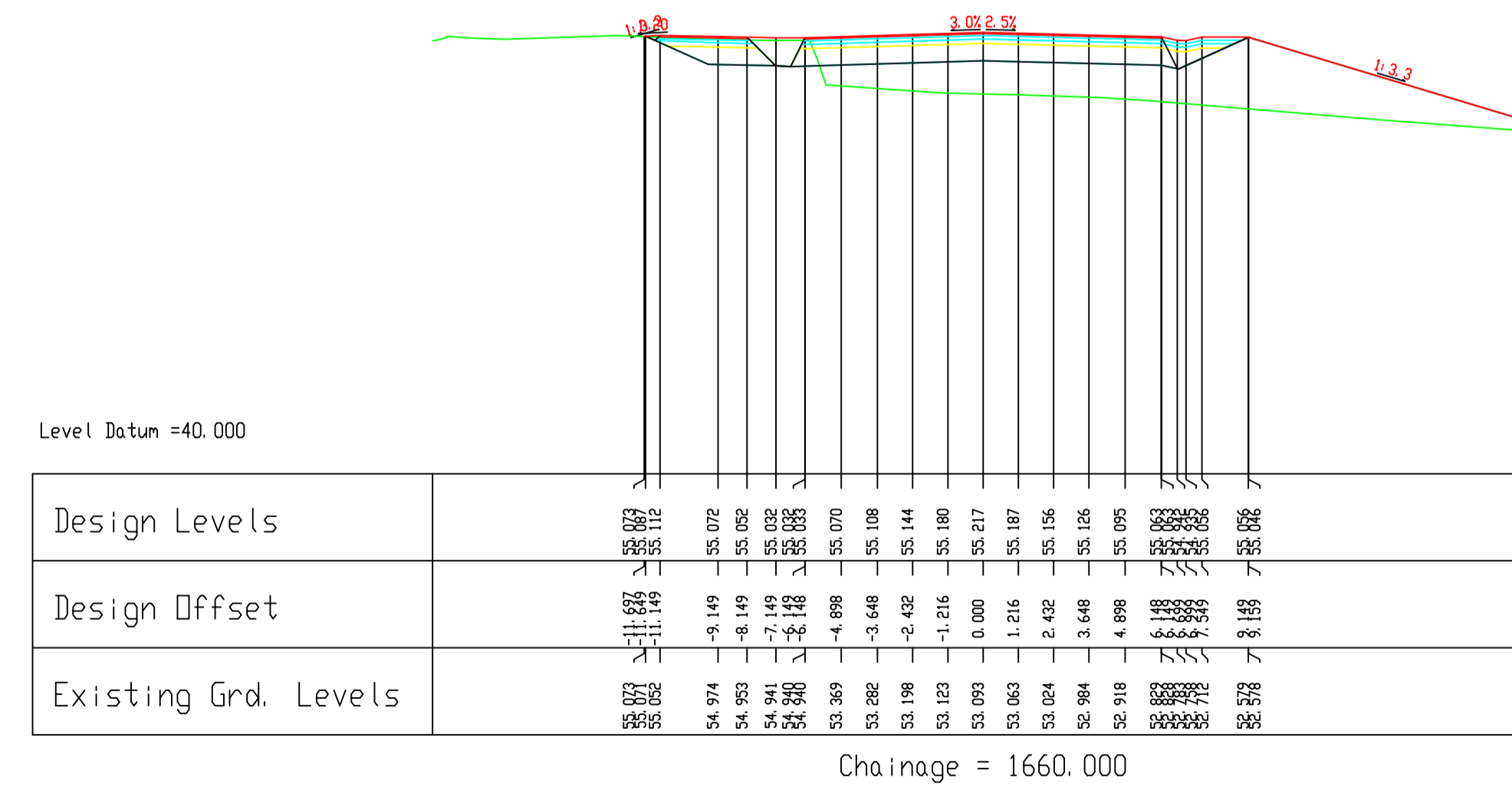
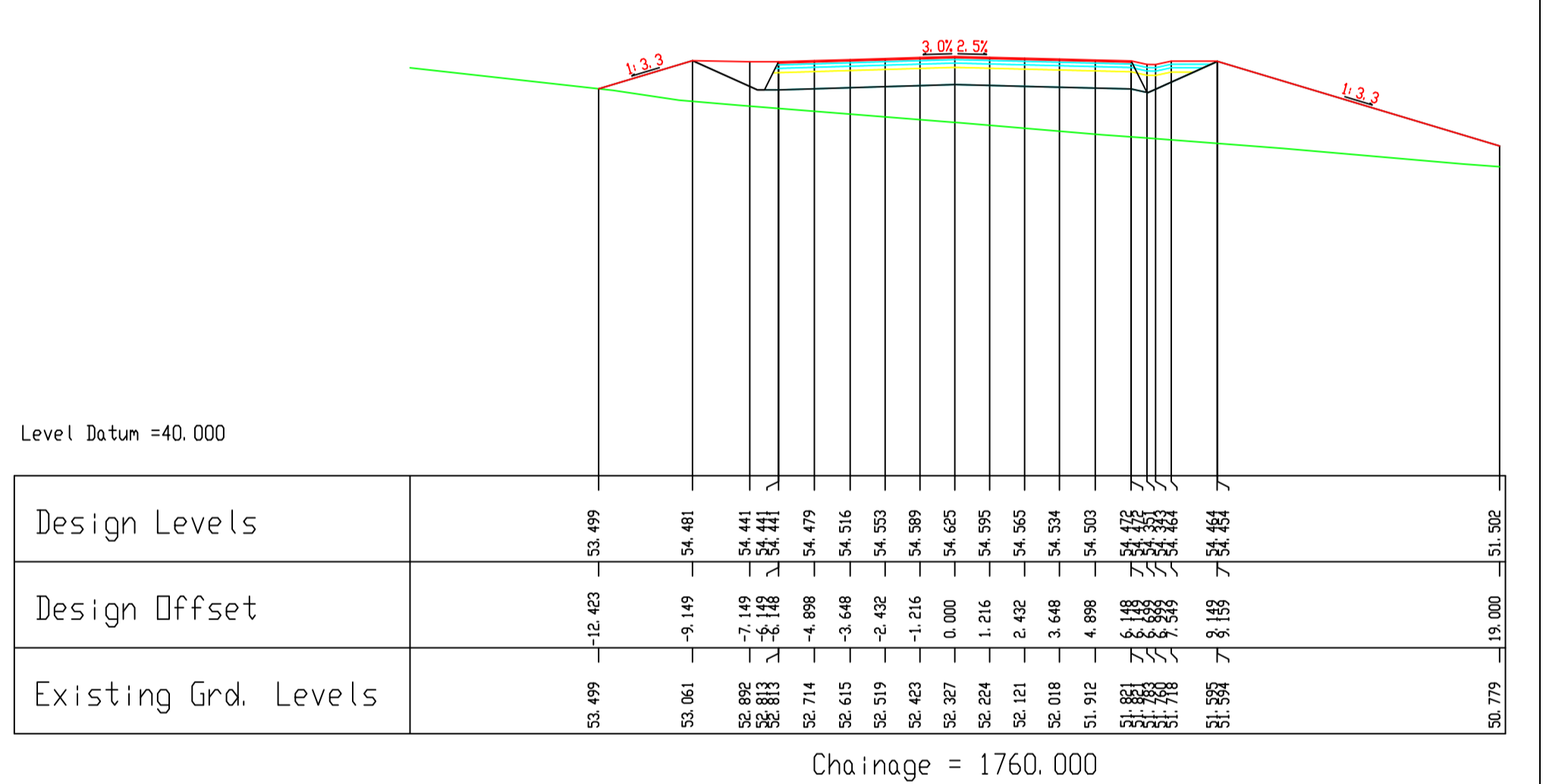
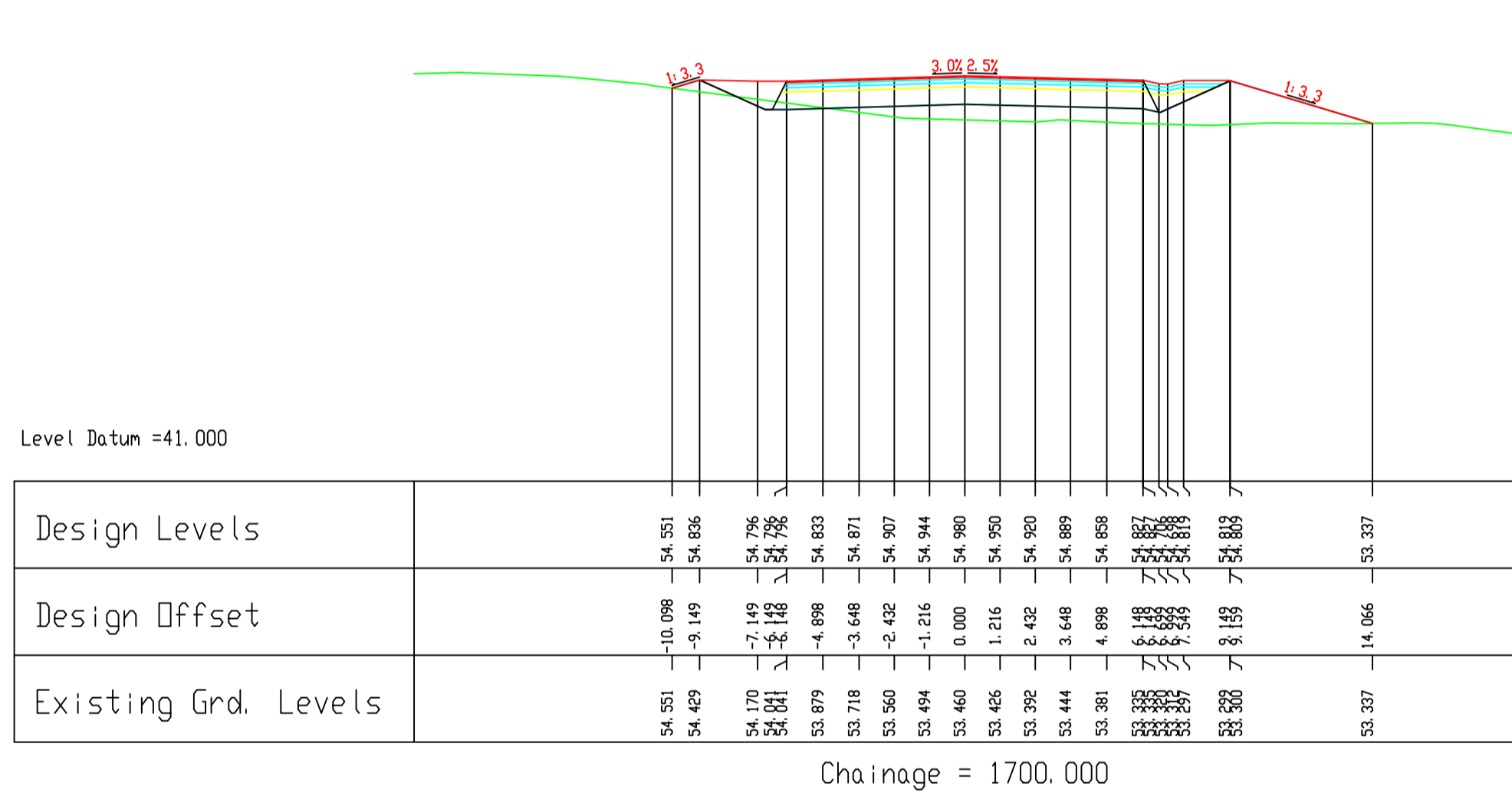
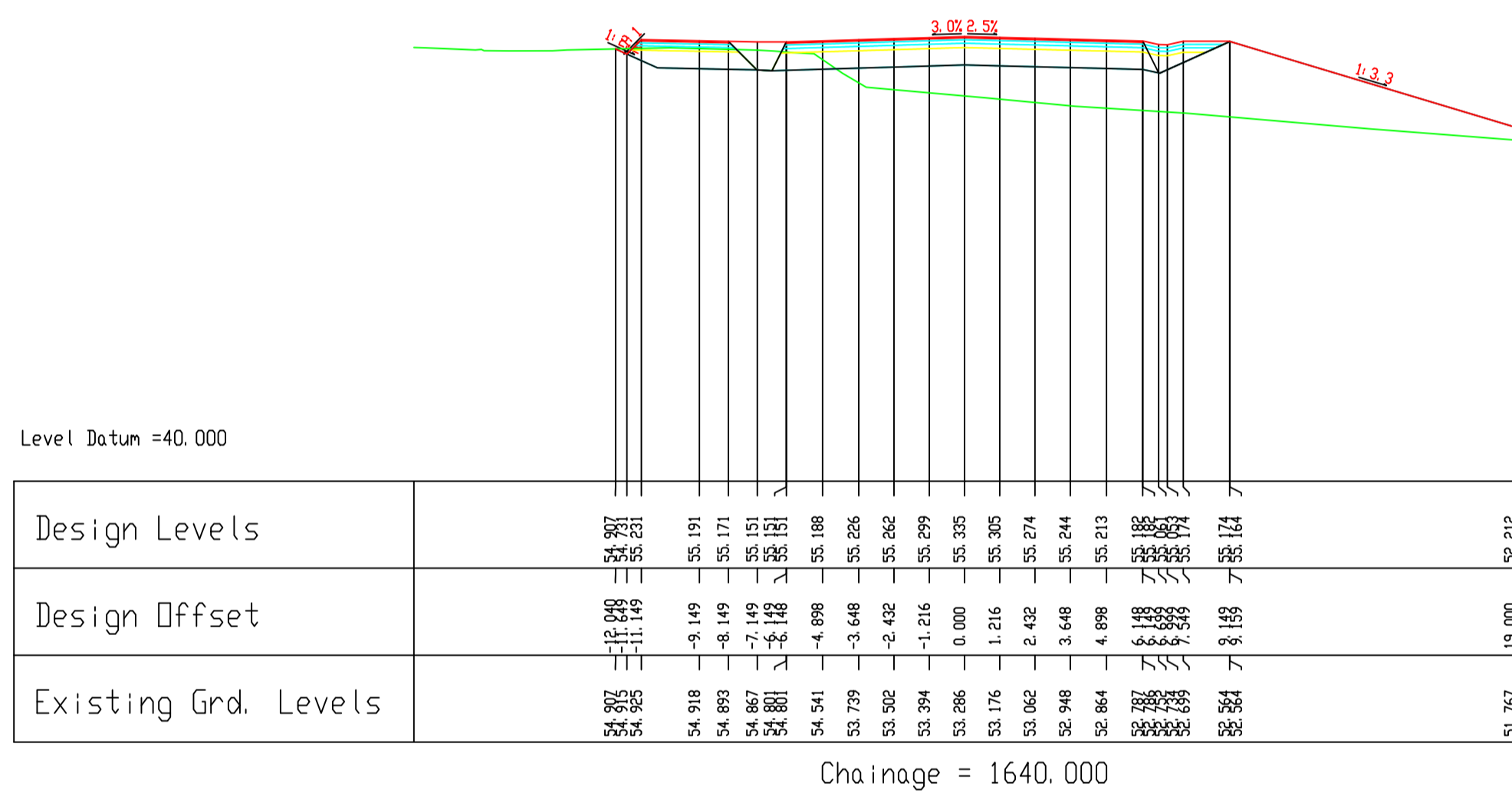
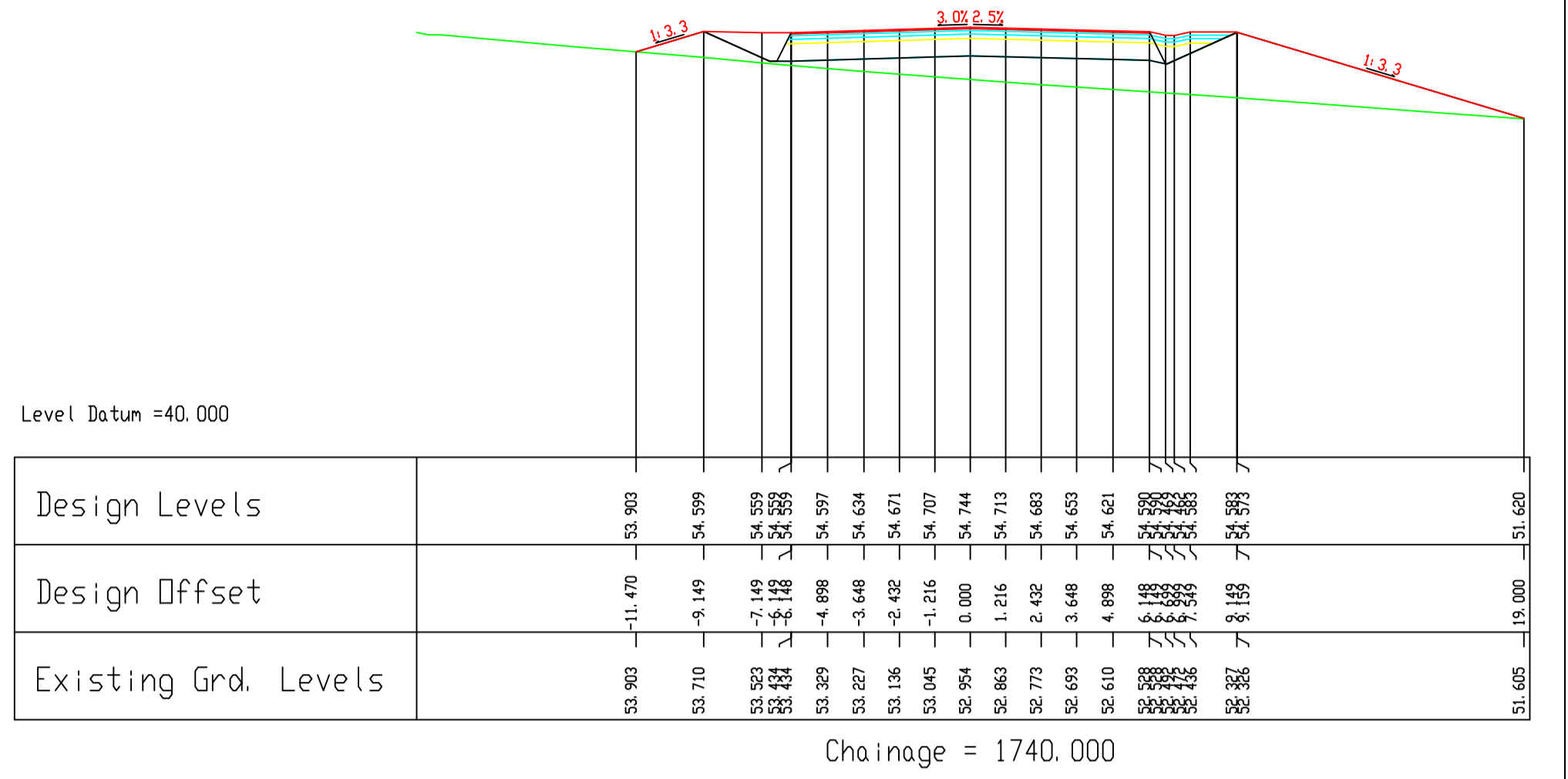
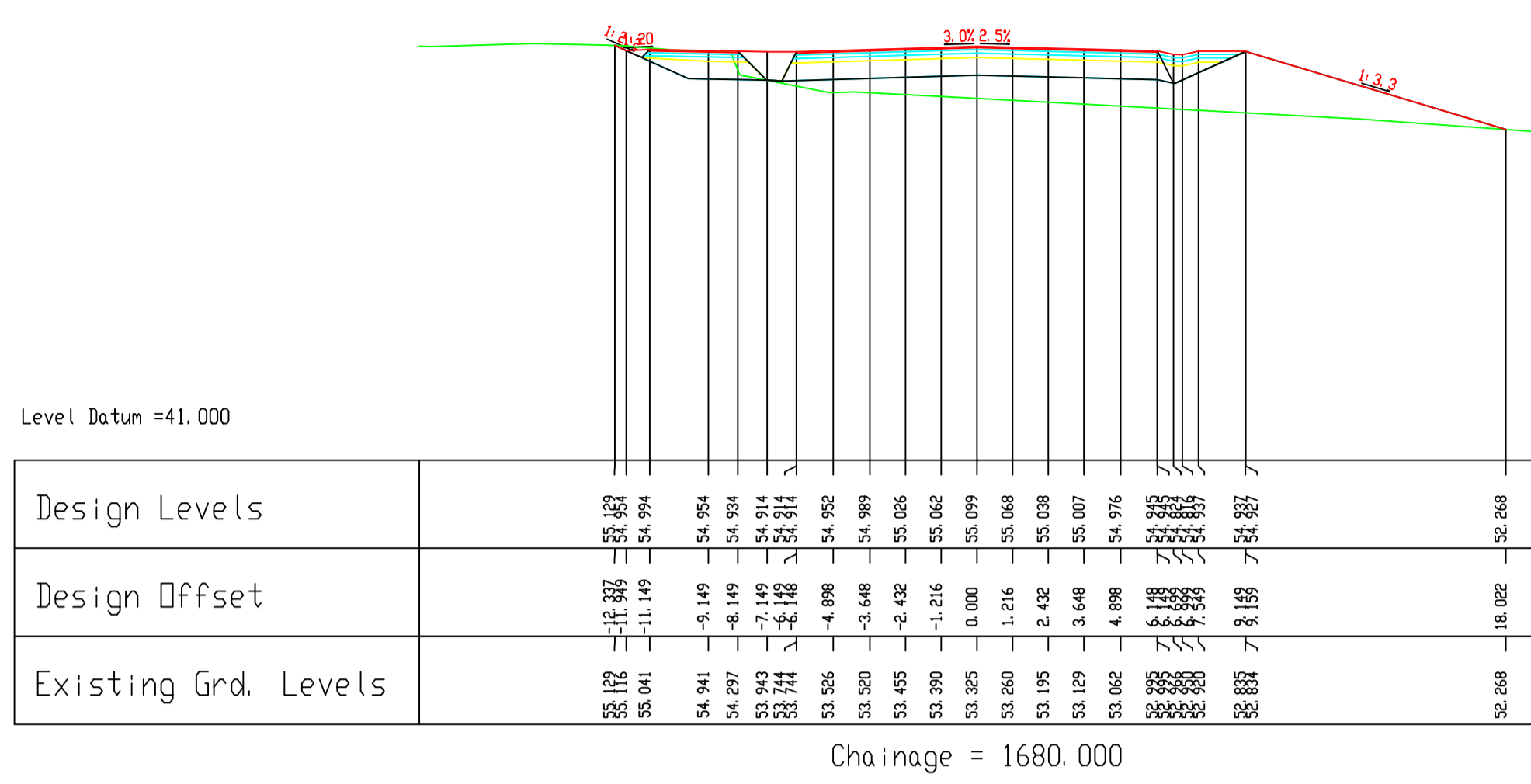
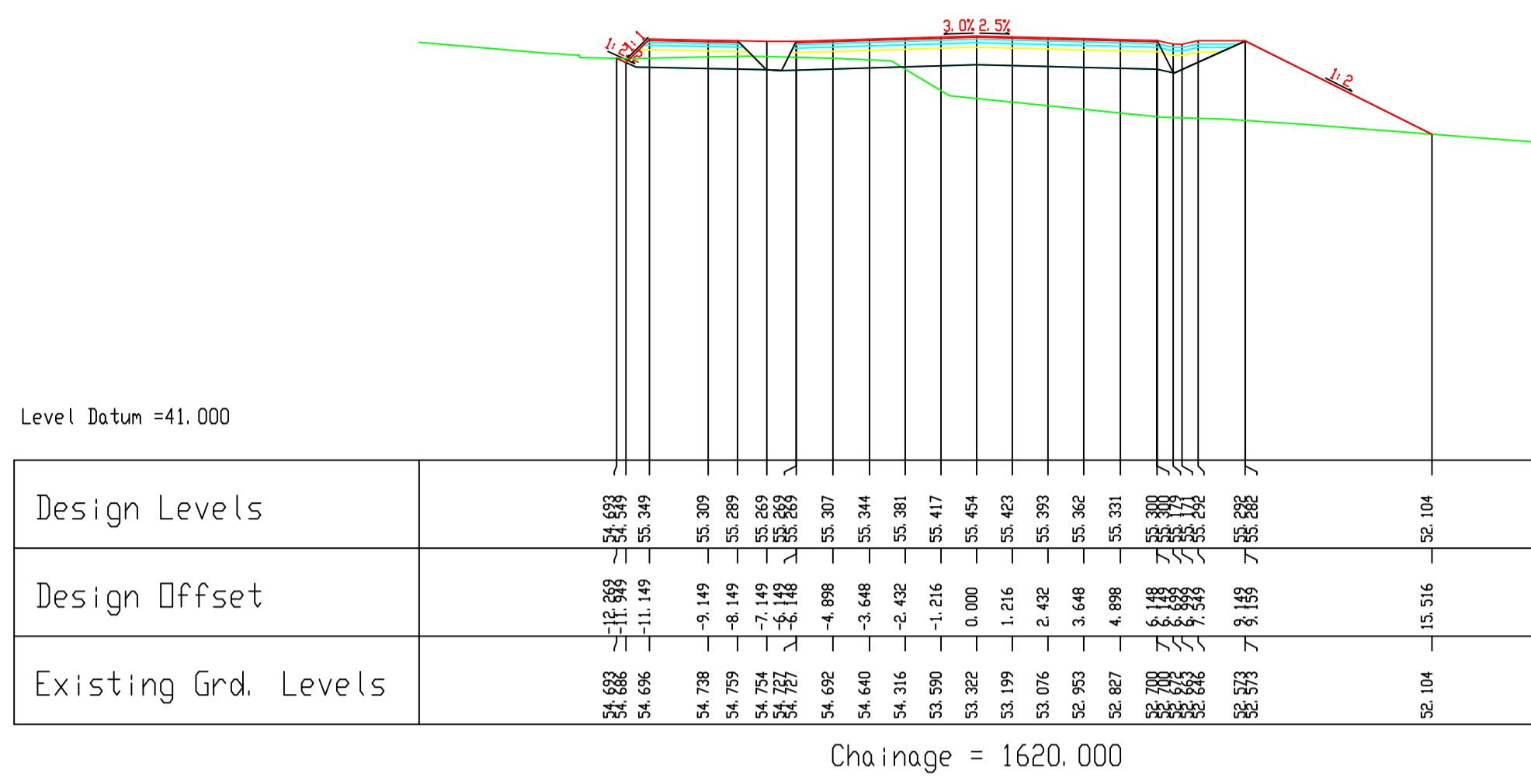





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REVISION:	MADE BY:	DATE:

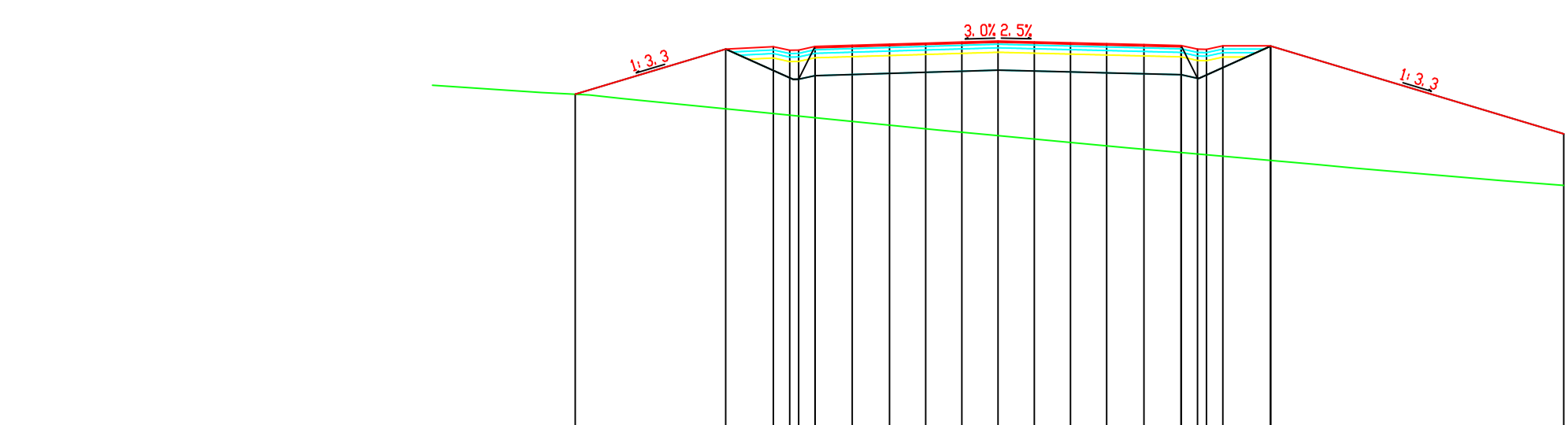
PROJECT	N17 Milltown to Gortnagunned	
COMPONENT:	Design Drawings	
TITLE:	Cross Sections-Ch1440-1600	
DESIGNED BY:	S.B.	FILE NO.:
DRAWN BY:	A.M.	SCALE:
CHECKED BY:	S.B.	DATE:
		September 2021

DRAWING NO.: CS-09



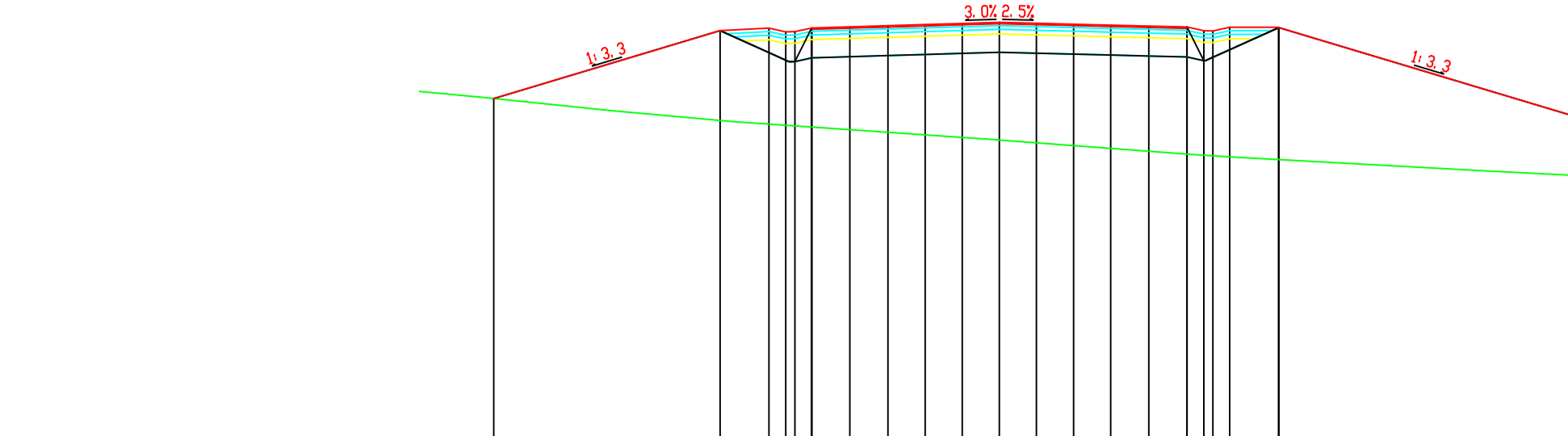
REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch1800-1960		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-10



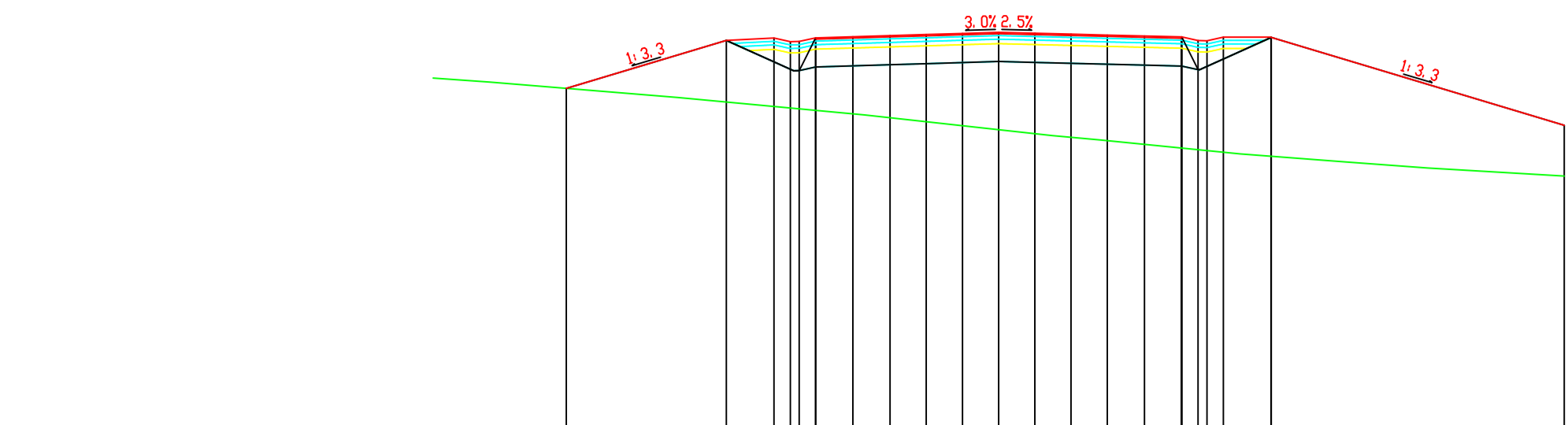
Design Levels	52.600	54.117	54.187	54.242	54.279	54.316	54.352	54.389	54.398	54.328	54.298	54.266	54.228	51.265
Design Offset	-14.207	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	52.600	52.110	51.992	51.855	51.685	51.437	51.320	51.206	51.082	50.978	50.864	50.730	50.374	49.536

Chainage = 1800.000



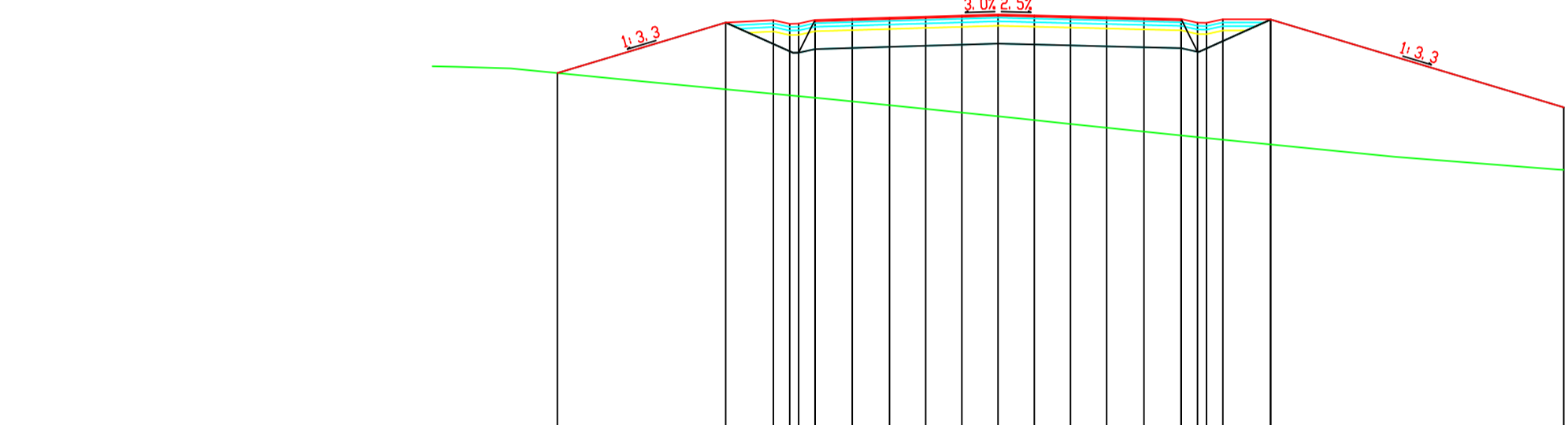
Design Levels	51.537	53.762	53.887	53.925	53.961	54.004	54.044	54.094	54.122	54.159	54.192	54.223	54.258	50.910
Design Offset	-16.566	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	51.537	50.818	50.597	50.516	50.431	50.347	50.263	50.179	50.088	49.996	49.904	49.810	49.716	49.012

Chainage = 1860.000



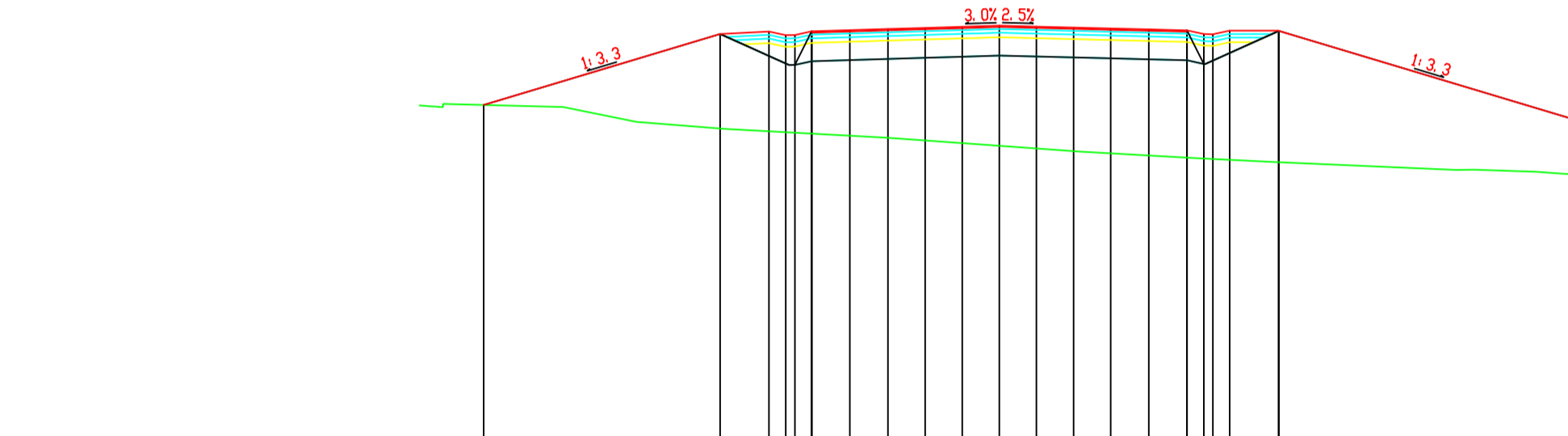
Design Levels	51.795	53.407	53.532	53.570	53.606	53.649	53.679	53.649	53.618	53.588	53.557	53.518	53.508	50.956
Design Offset	-14.524	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	51.795	51.335	51.055	50.938	50.808	50.674	50.541	50.407	50.274	50.132	50.009	49.914	49.810	48.851

Chainage = 1920.000



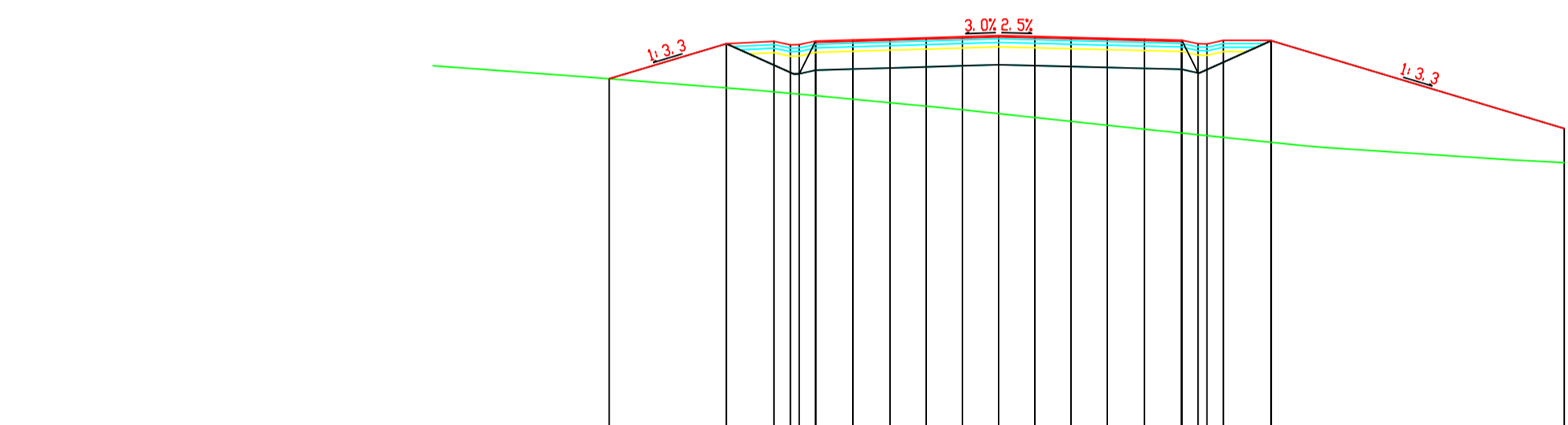
Design Levels	52.302	53.999	54.124	54.198	54.271	54.340	54.410	54.479	54.548	54.617	54.686	54.755	54.824	51.147
Design Offset	-14.864	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	52.302	51.796	51.690	51.584	51.478	51.372	51.266	51.160	51.054	50.948	50.842	50.736	50.630	49.047

Chainage = 1820.000



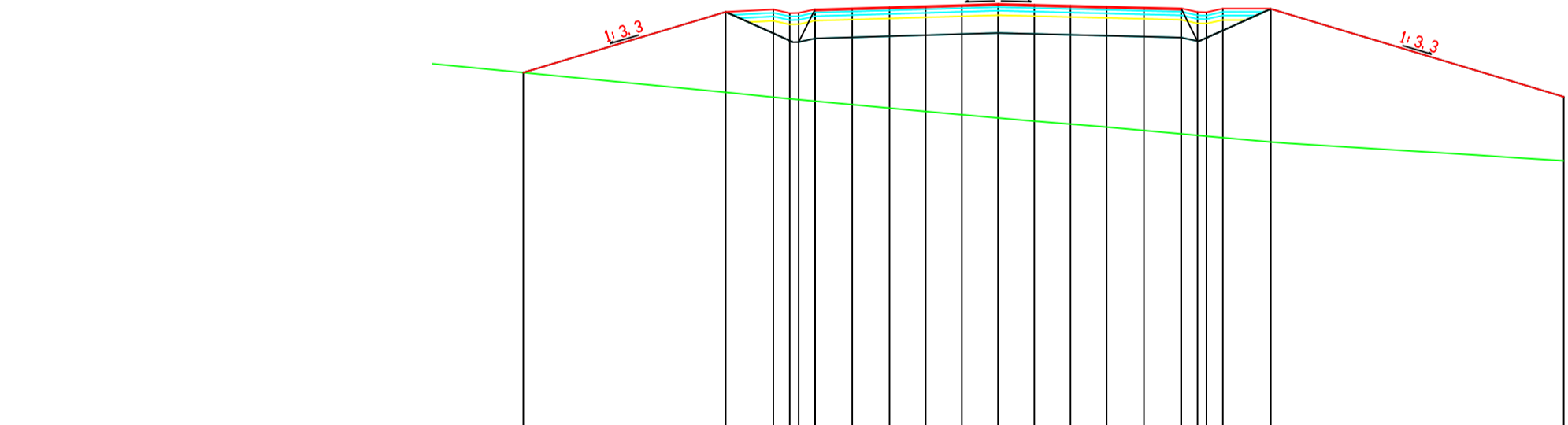
Design Levels	51.319	53.544	53.769	53.866	53.943	54.016	54.085	54.154	54.223	54.292	54.361	54.430	54.499	50.792
Design Offset	-16.897	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	51.319	50.548	50.309	50.240	50.153	50.066	49.979	49.892	49.805	49.718	49.631	49.544	49.457	48.026

Chainage = 1880.000



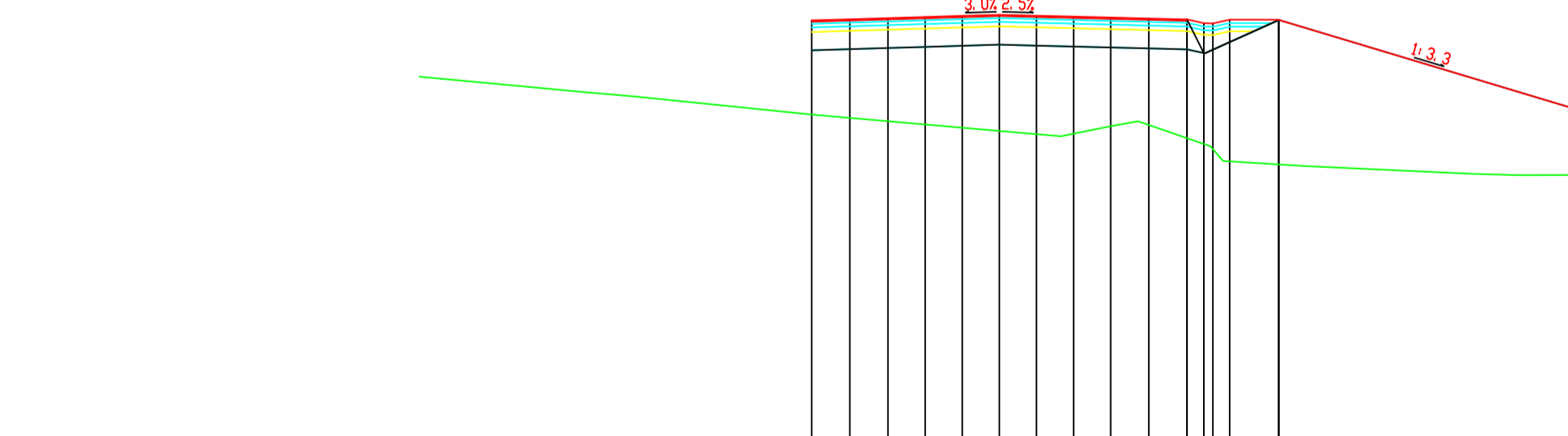
Design Levels	52.108	53.889	54.014	54.088	54.161	54.234	54.307	54.380	54.453	54.526	54.599	54.672	54.745	50.437
Design Offset	-13.084	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	52.108	51.802	51.611	51.454	51.304	51.186	51.066	50.936	50.806	50.675	50.545	50.413	50.282	49.289

Chainage = 1940.000



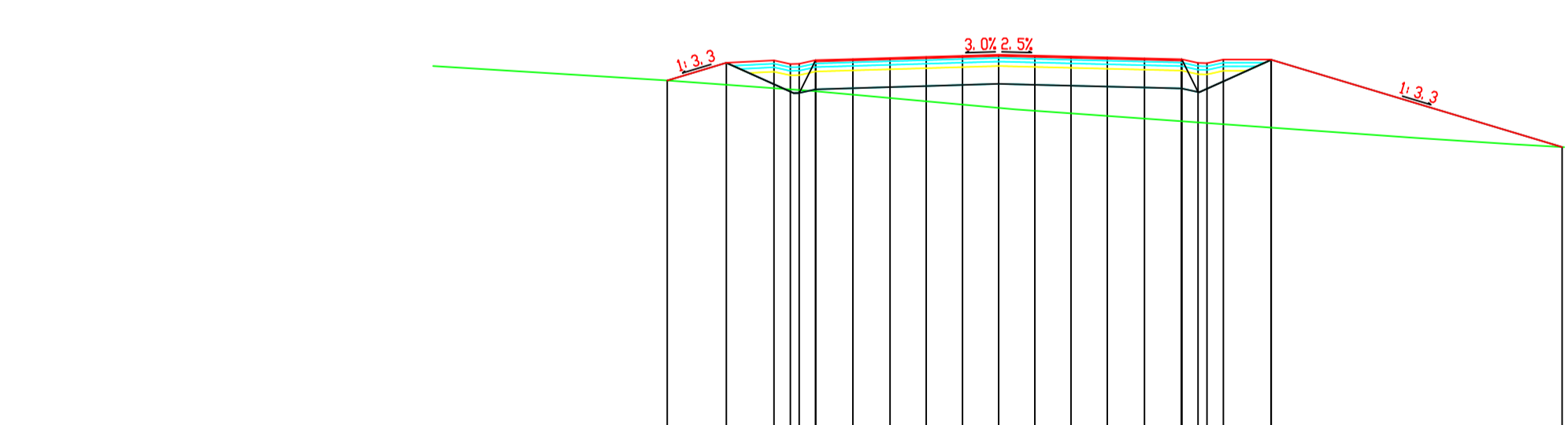
Design Levels	51.841	53.880	54.005	54.079	54.152	54.225	54.298	54.371	54.444	54.517	54.590	54.663	54.736	51.029
Design Offset	-15.948	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	7.688	19.000
Existing Grd. Levels	51.841	51.178	51.013	50.763	50.647	50.535	50.426	50.317	50.211	50.112	50.011	49.897	49.783	48.878

Chainage = 1840.000



Design Levels	53.613	53.650	53.688	53.724	53.761	53.797	53.834	53.870	53.906	53.942	53.978	54.014	54.050	50.574
Design Offset	-16.148	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	6.148	7.398	8.648	19.000
Existing Grd. Levels	50.227	50.418	50.310	50.204	50.099	49.993	49.888	49.901	50.146	50.188	50.230	50.272	50.314	48.549

Chainage = 1900.000



Design Levels	52.375	53.170	53.296	53.333	53.369	53.406	53.442	53.478	53.514	53.550	53.586	53.622	53.658	50.941
Design Offset	-11.133	-9.149	-7.688	-4.898	-3.648	-2.432	-1.216	0.000	1.216	2.432	3.648	4.898	6.148	19.927
Existing Grd. Levels	52.575	52.432	52.311	52.209	52.101	51.988	51.877	51.767	51.656	51.559	51.472	51.365	51.296	50.341

Chainage = 1960.000

National Roads Project Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

Comhairle Chontae na Gaillimhe
Galway County Council

REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned
COMPONENT: Design Drawings
TITLE: Cross Sections-Ch1800-1960

DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021

DRAWING NO.: CS-11

Level Datum =39.000

Design Levels	52.856 52.863 52.705 52.657 52.538 52.478 52.408 52.338 52.267 52.197 52.127 52.043 51.959 51.869 51.769 51.658 51.532
Design Offset	-10.234 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 15.136
Existing Grd. Levels	52.856 52.863 52.705 52.657 52.538 52.478 52.408 52.338 52.267 52.197 52.127 52.043 51.959 51.869 51.769 51.658 51.532

Chainage = 1980.000

Level Datum =40.000

Design Levels	53.976 53.986 53.825 53.751 53.700 53.650 53.600 53.550 53.500 53.450 53.399 53.344 53.288 53.238 53.184 53.125
Design Offset	-11.332 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 15.136
Existing Grd. Levels	53.976 53.986 53.825 53.751 53.700 53.650 53.600 53.550 53.500 53.450 53.399 53.344 53.288 53.238 53.184 53.125

Chainage = 2040.000

Level Datum =40.000

Design Levels	52.998 52.991 52.978 52.956 52.943 52.891 52.869 52.847 52.817 52.784 52.748 52.712 52.676
Design Offset	-7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 10.131
Existing Grd. Levels	52.998 52.991 52.978 52.956 52.943 52.891 52.869 52.847 52.817 52.784 52.748 52.712 52.676

Chainage = 2100.000

Level Datum =40.000

Design Levels	53.127 53.064 53.004 52.996 52.998 52.992 52.988 52.985 52.982 52.979 52.974 52.969 52.964 52.959 52.954 52.949
Design Offset	-3.233 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 8.150 11.738
Existing Grd. Levels	53.127 53.064 53.004 52.996 52.998 52.992 52.988 52.985 52.982 52.979 52.974 52.969 52.964 52.959 52.954 52.949

Chainage = 2000.000

Level Datum =40.000

Design Levels	53.907 53.858 53.796 53.751 53.706 53.661 53.618 53.574 53.531 53.487 53.444 53.400 53.355 53.311 53.267
Design Offset	-11.203 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 9.149
Existing Grd. Levels	53.907 53.858 53.796 53.751 53.706 53.661 53.618 53.574 53.531 53.487 53.444 53.400 53.355 53.311 53.267

Chainage = 2060.000

Level Datum =40.000

Design Levels	52.699 52.705 52.717 52.724 52.732 52.740 52.738 52.697 52.656 52.614 52.573 52.495 52.461 52.434 52.379 52.325
Design Offset	-10.158 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 11.516
Existing Grd. Levels	52.699 52.705 52.717 52.724 52.732 52.740 52.738 52.697 52.656 52.614 52.573 52.495 52.461 52.434 52.379 52.325

Chainage = 2120.000

Level Datum =40.000

Design Levels	53.646 53.604 53.536 53.460 53.417 53.376 53.327 53.277 53.227 53.178 53.128 53.074 53.012 52.962 52.912 52.862
Design Offset	-10.519 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 12.646
Existing Grd. Levels	53.646 53.604 53.536 53.460 53.417 53.376 53.327 53.277 53.227 53.178 53.128 53.074 53.012 52.962 52.912 52.862

Chainage = 2020.000

Level Datum =40.000

Design Levels	53.494 53.474 53.446 53.426 53.401 53.379 53.356 53.337 53.316 53.295 53.274 53.253 53.231 53.210 52.977
Design Offset	-10.278 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 9.149
Existing Grd. Levels	53.494 53.474 53.446 53.426 53.401 53.379 53.356 53.337 53.316 53.295 53.274 53.253 53.231 53.210 52.977

Chainage = 2080.000

Level Datum =40.000

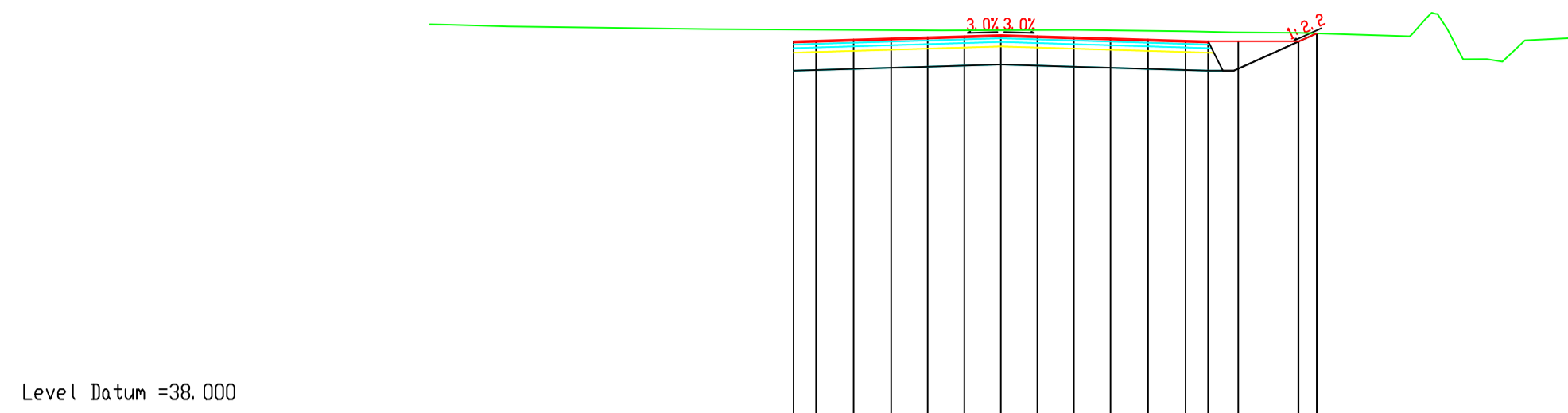
Design Levels	52.480 52.325 52.400 52.428 52.450 52.468 52.489 52.507 52.526 52.548 52.584 52.629 52.684 52.740 52.797 52.854
Design Offset	-10.863 -9.149 -7.149 -6.148 -4.898 -3.648 -2.432 -1.216 0.000 1.216 2.432 3.648 4.898 6.148 7.149 12.646
Existing Grd. Levels	52.480 52.325 52.400 52.428 52.450 52.468 52.489 52.507 52.526 52.548 52.584 52.629 52.684 52.740 52.797 52.854

Chainage = 2140.000



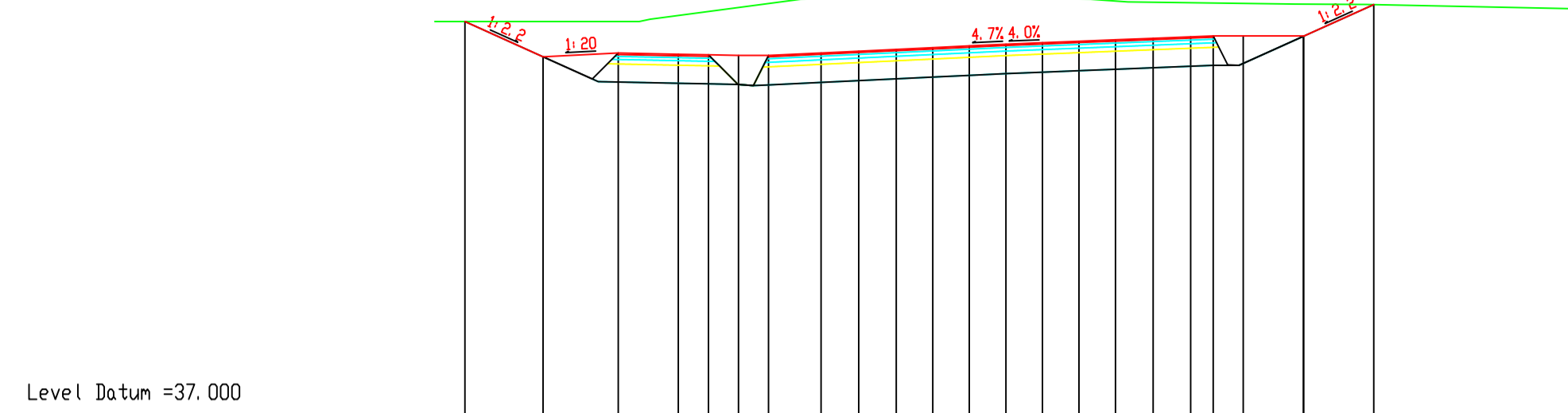
REVISION:	MADE BY:	DATE:

PROJECT	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch1980-2410		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	CS-12



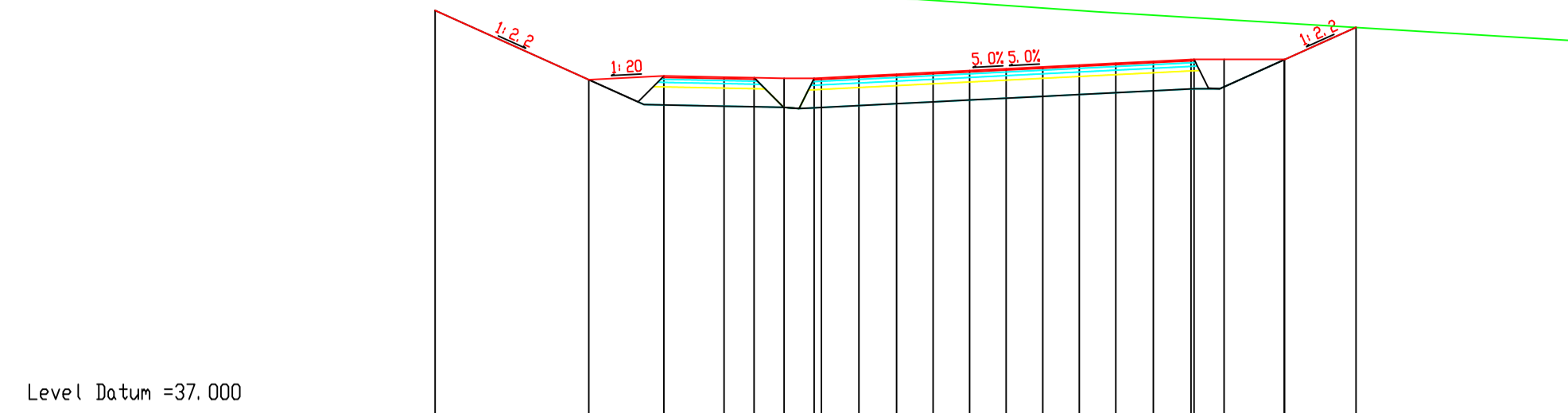
Design Levels	51.537 51.533 51.526 51.520 51.513 51.516 51.520 51.524 51.494 51.478 51.463 51.443
Design Offset	-6.898 -6.148 -4.898 -3.648 -2.422 0.000 1.216 2.422 4.898 6.148 6.898 7.898
Existing Grd. Levels	51.537 51.533 51.526 51.520 51.513 51.516 51.520 51.524 51.494 51.478 51.463 51.443

Chainage = 2340.000



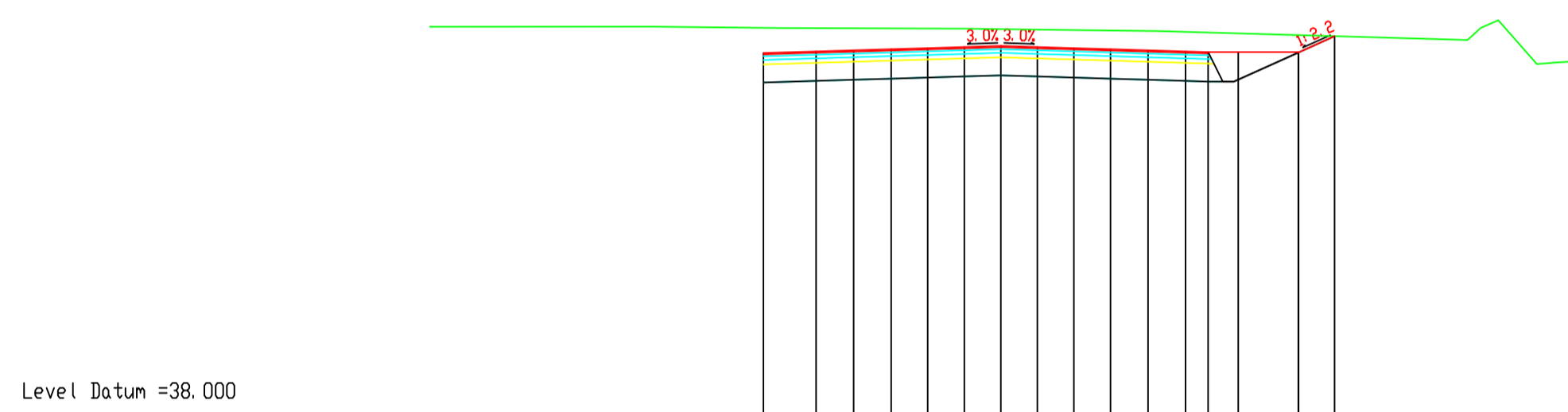
Design Levels	50.804 50.805 50.806 51.007 51.140 51.272 51.404 51.626 51.799 51.889 51.766 51.723 51.681 51.638 51.570 51.484 51.445 51.429 51.419 51.406
Design Offset	-18.000 -15.398 -12.898 -10.898 -9.898 -8.898 -7.898 -6.148 -4.898 -3.648 -2.422 0.000 1.216 2.422 3.648 4.898 6.148 6.898 7.898
Existing Grd. Levels	50.804 50.805 50.806 51.007 51.140 51.272 51.404 51.626 51.799 51.889 51.766 51.723 51.681 51.638 51.570 51.484 51.445 51.429 51.419 51.406

Chainage = 2400.000



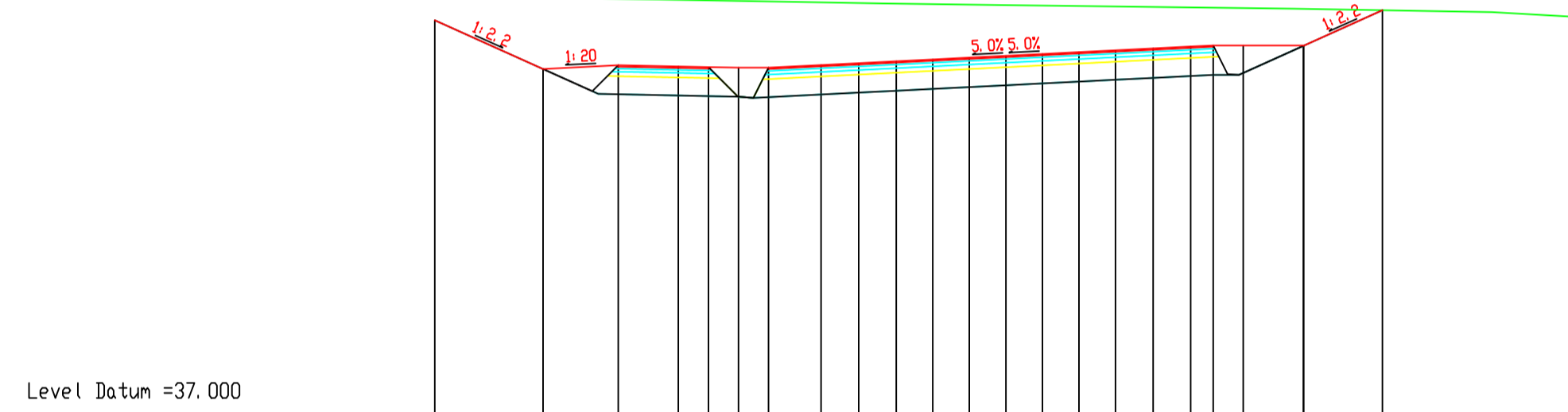
Design Levels	51.172 51.860 51.875 51.887 51.893 51.866 51.786 51.681 51.594 51.510 51.425 51.340 51.256 51.171 51.093 51.017 50.933 50.849
Design Offset	-19.000 -13.887 -11.387 -9.387 -8.387 -7.387 -6.387 -4.898 -3.648 -2.422 -1.216 0.000 1.216 2.422 3.648 4.898 6.148 6.898 7.898
Existing Grd. Levels	51.864 51.860 51.875 51.887 51.893 51.866 51.786 51.681 51.594 51.510 51.425 51.340 51.256 51.171 51.093 51.017 50.933 50.849

Chainage = 2460.000



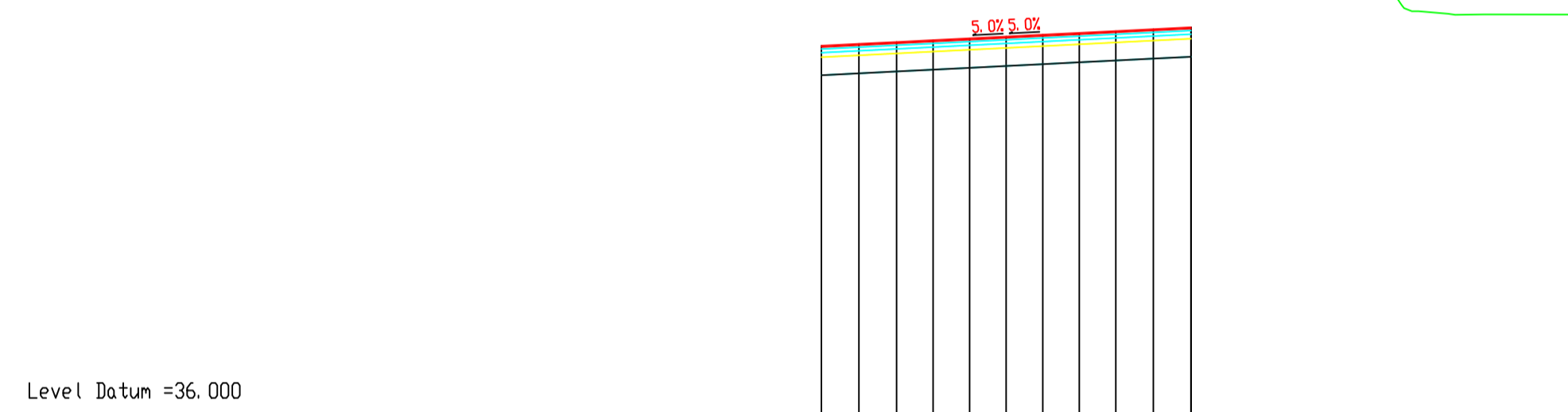
Design Levels	50.722 51.549 51.544 51.539 51.535 51.530 51.516 51.501 51.485 51.470 51.454 51.424 51.402 51.373 51.281
Design Offset	-7.898 -6.148 -4.898 -3.648 -2.422 -1.216 0.000 1.216 2.422 3.648 4.898 6.148 6.898 7.898 11.106
Existing Grd. Levels	51.559 51.549 51.544 51.539 51.535 51.530 51.516 51.501 51.485 51.470 51.454 51.424 51.402 51.373 51.281

Chainage = 2360.000



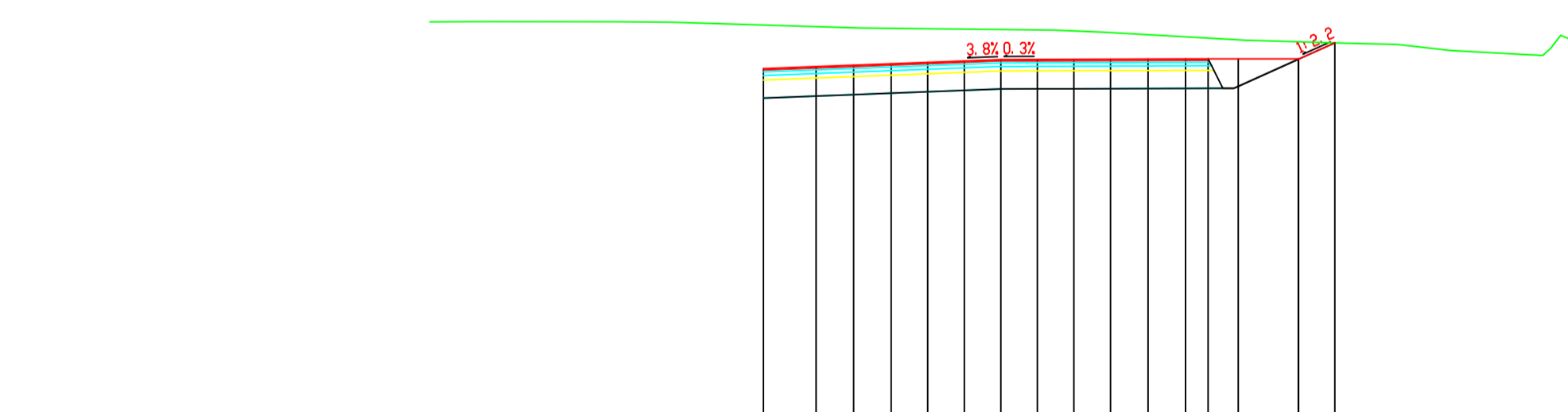
Design Levels	50.810 49.190 49.315 49.275 49.255 49.235 49.235 49.322 49.385 49.447 49.508 49.569 49.629 49.690 49.751 49.874 49.937 49.974 49.974
Design Offset	-19.000 -13.398 -12.898 -10.898 -9.898 -8.898 -7.898 -6.148 -4.898 -3.648 -2.422 -1.216 0.000 1.216 2.422 3.648 4.898 6.148 6.898 7.898
Existing Grd. Levels	51.582 51.545 51.518 51.489 51.471 51.454 51.436 51.404 51.382 51.362 51.347 51.331 51.316 51.300 51.285 51.269 51.253 51.238 51.228 51.215

Chainage = 2420.000



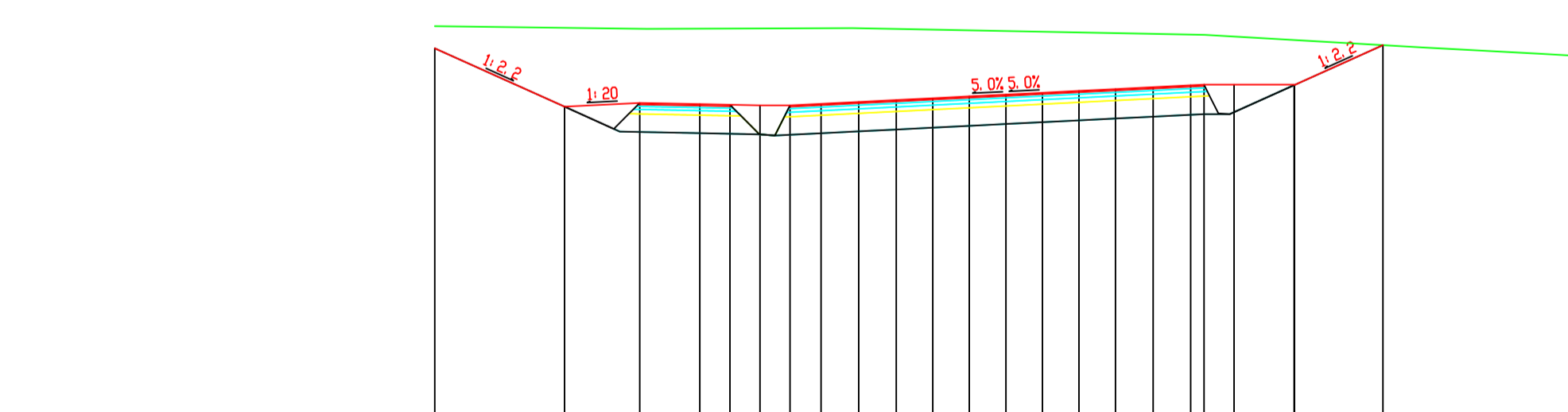
Design Levels	48.963 49.025 49.088 49.149 49.210 49.270 49.331 49.392 49.453 49.515 49.576 49.638
Design Offset	-6.148 -4.898 -3.648 -2.422 -1.216 0.000 1.216 2.422 3.648 4.898 6.148
Existing Grd. Levels	51.590 51.535 51.510 51.477 51.480 51.477 51.455 51.416 51.358 51.296 51.231

Chainage = 2480.000



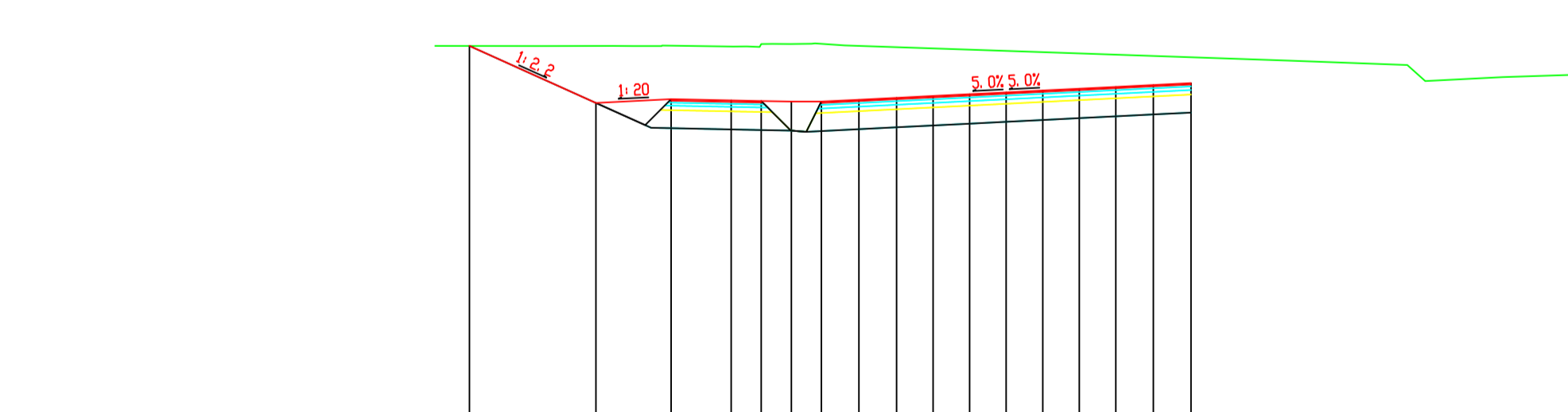
Design Levels	50.219 50.286 50.333 50.381 50.428 50.474 50.521 50.524 50.528 50.532 50.536 50.540 50.542 50.542 51.074
Design Offset	-7.898 -6.148 -4.898 -3.648 -2.422 -1.216 0.000 1.216 2.422 3.648 4.898 6.148 6.898 7.898 11.113
Existing Grd. Levels	51.668 51.614 51.575 51.557 51.544 51.531 51.504 51.472 51.347 51.276 51.238 51.176 51.074

Chainage = 2380.000



Design Levels	50.805 48.922 49.077 49.037 49.017 48.997 48.977 49.049 49.111 49.174 49.234 49.295 49.356 49.417 49.478 49.538 49.601 49.663 49.686 49.686
Design Offset	-19.000 -14.682 -12.182 -10.182 -9.182 -8.182 -7.182 -5.432 -4.182 -2.932 -1.716 -0.500 0.716 1.932 3.148 4.364 5.580 6.796 7.592 8.388
Existing Grd. Levels	51.628 51.575 51.544 51.547 51.551 51.554 51.557 51.561 51.560 51.537 51.514 51.491 51.468 51.445 51.422 51.399 51.375 51.343 51.286 51.176

Chainage = 2440.000



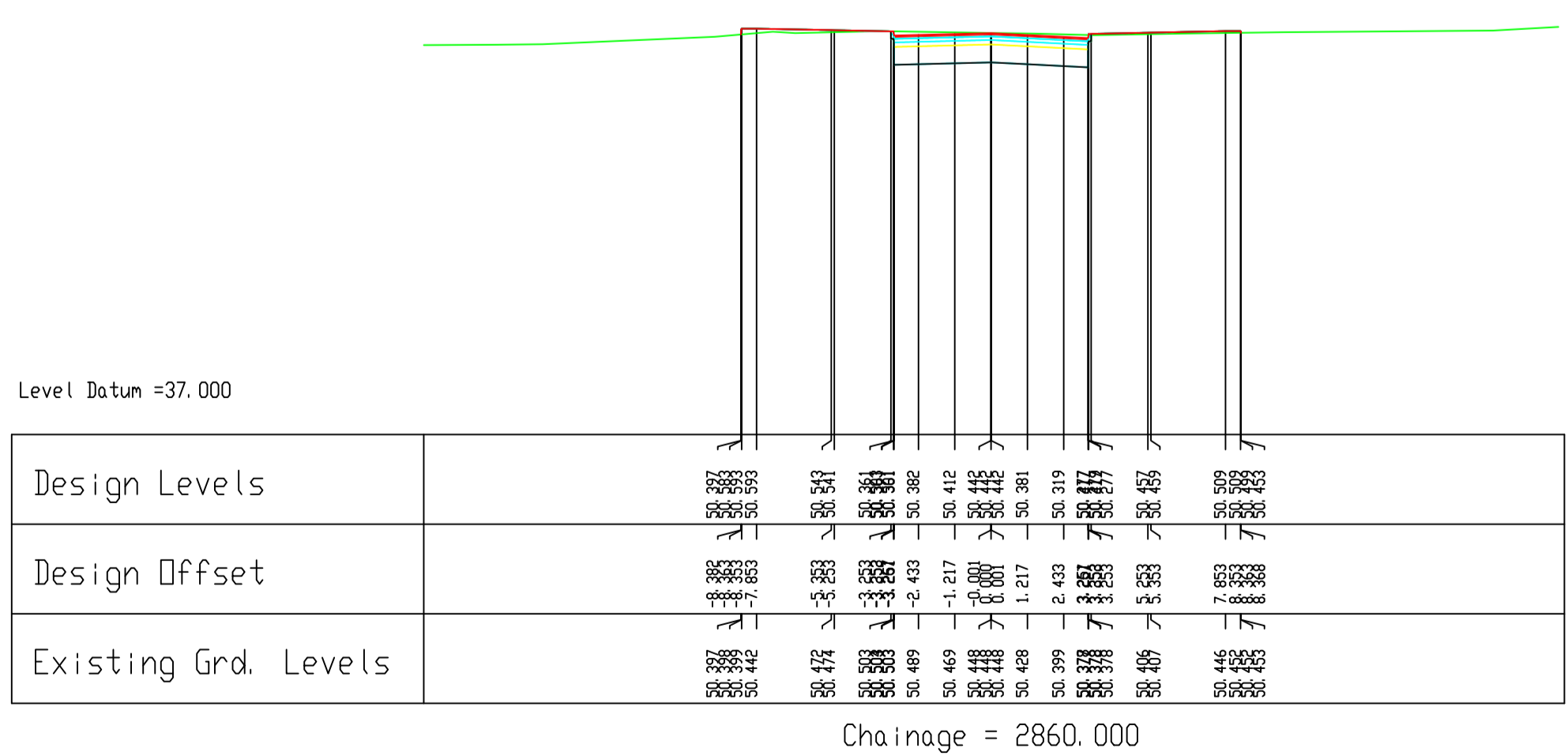
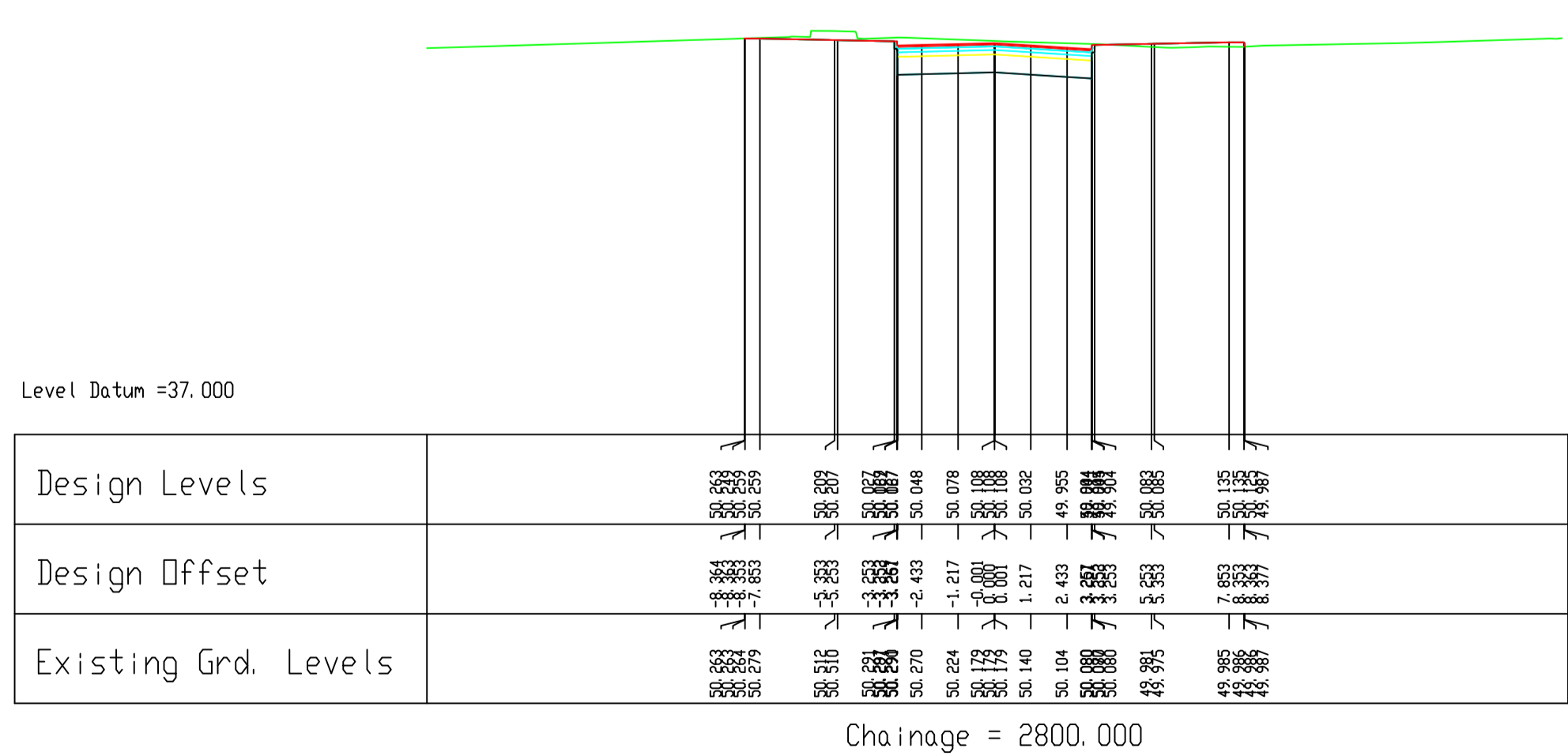
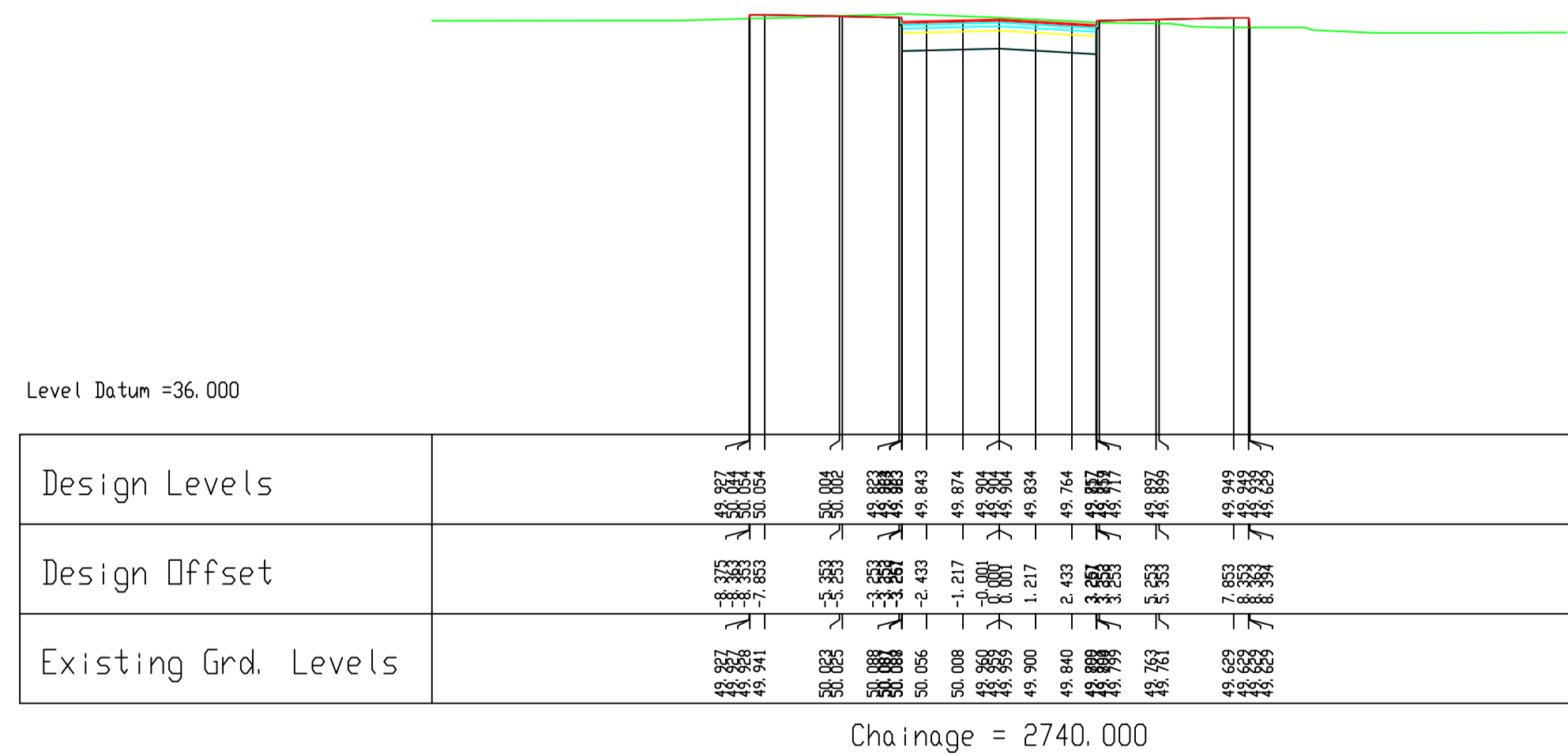
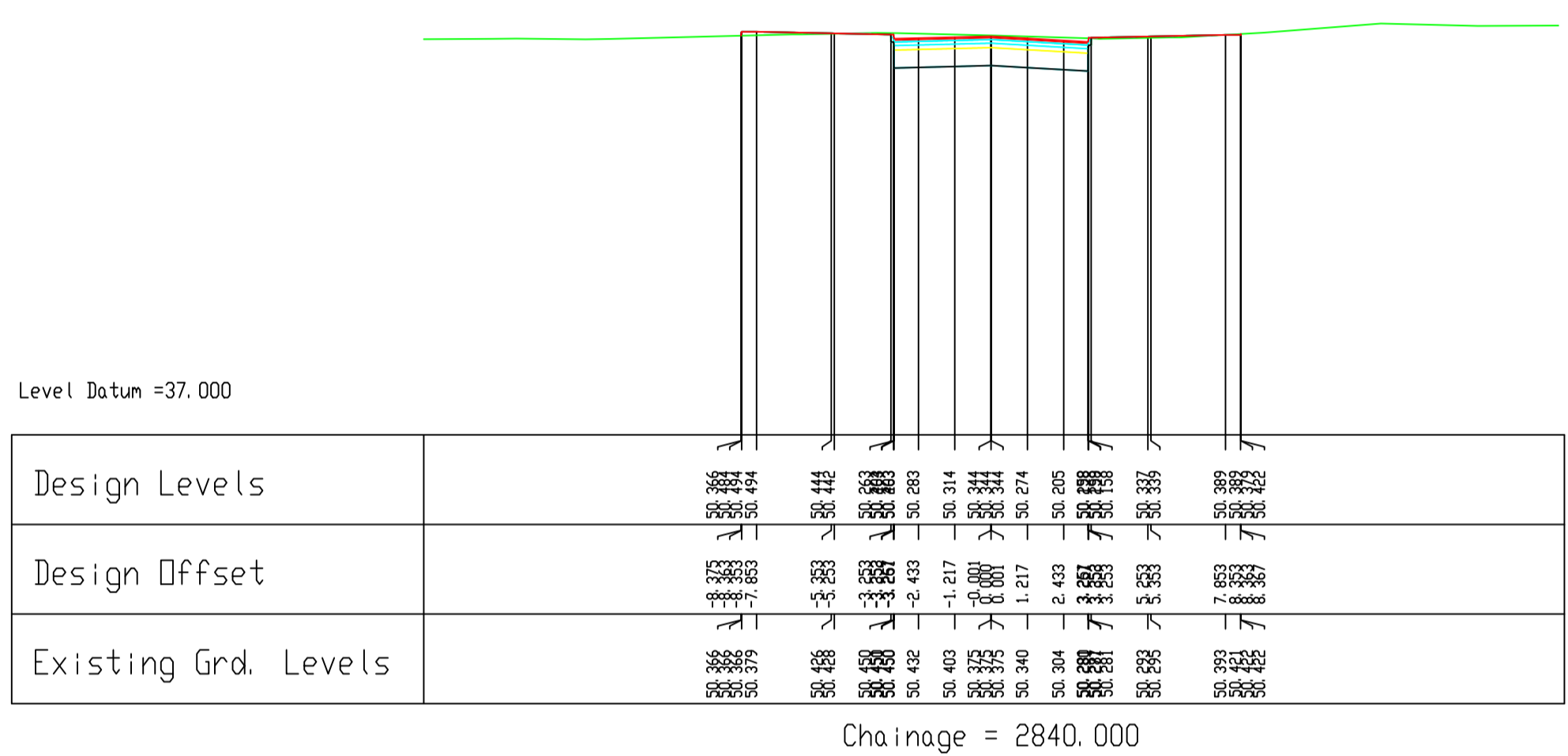
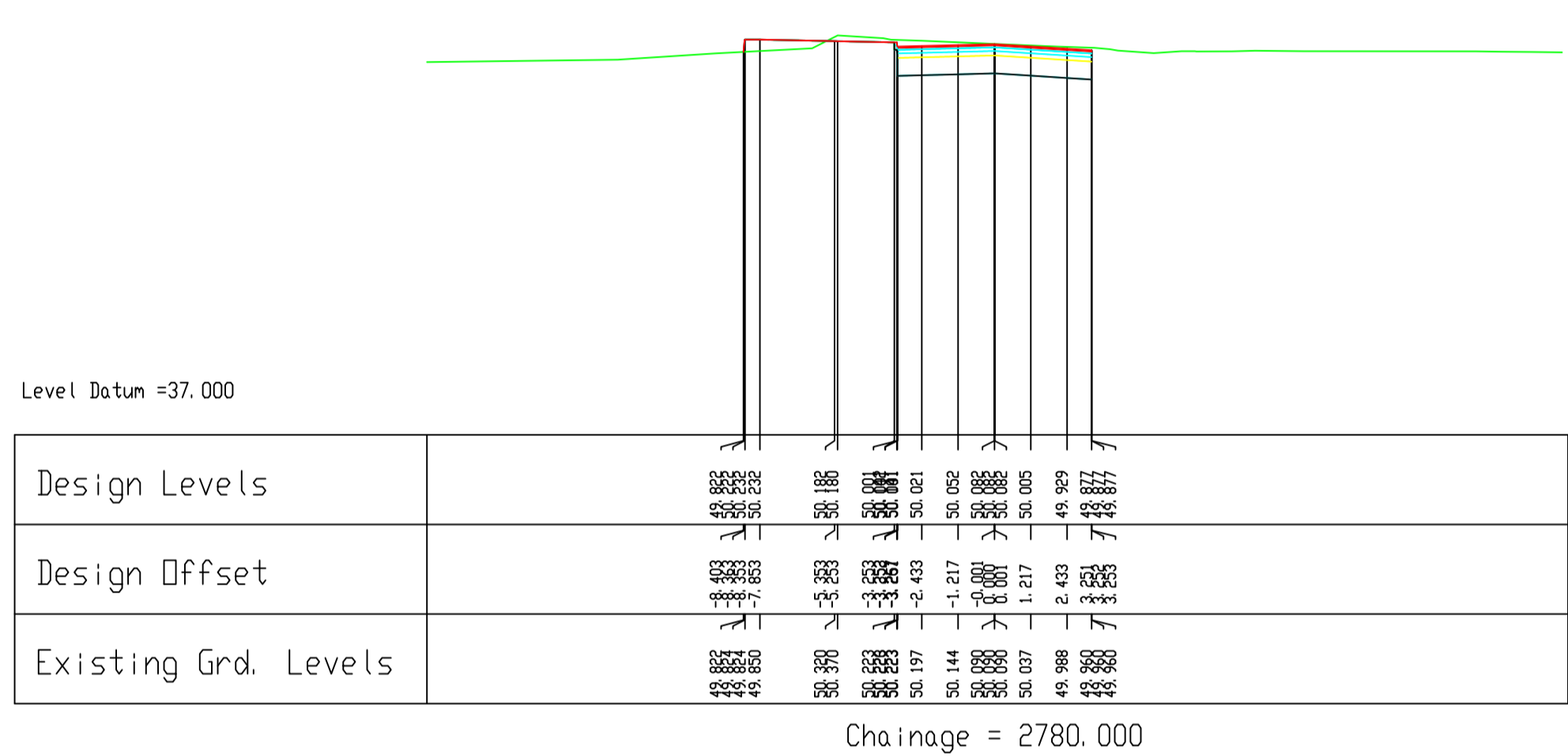
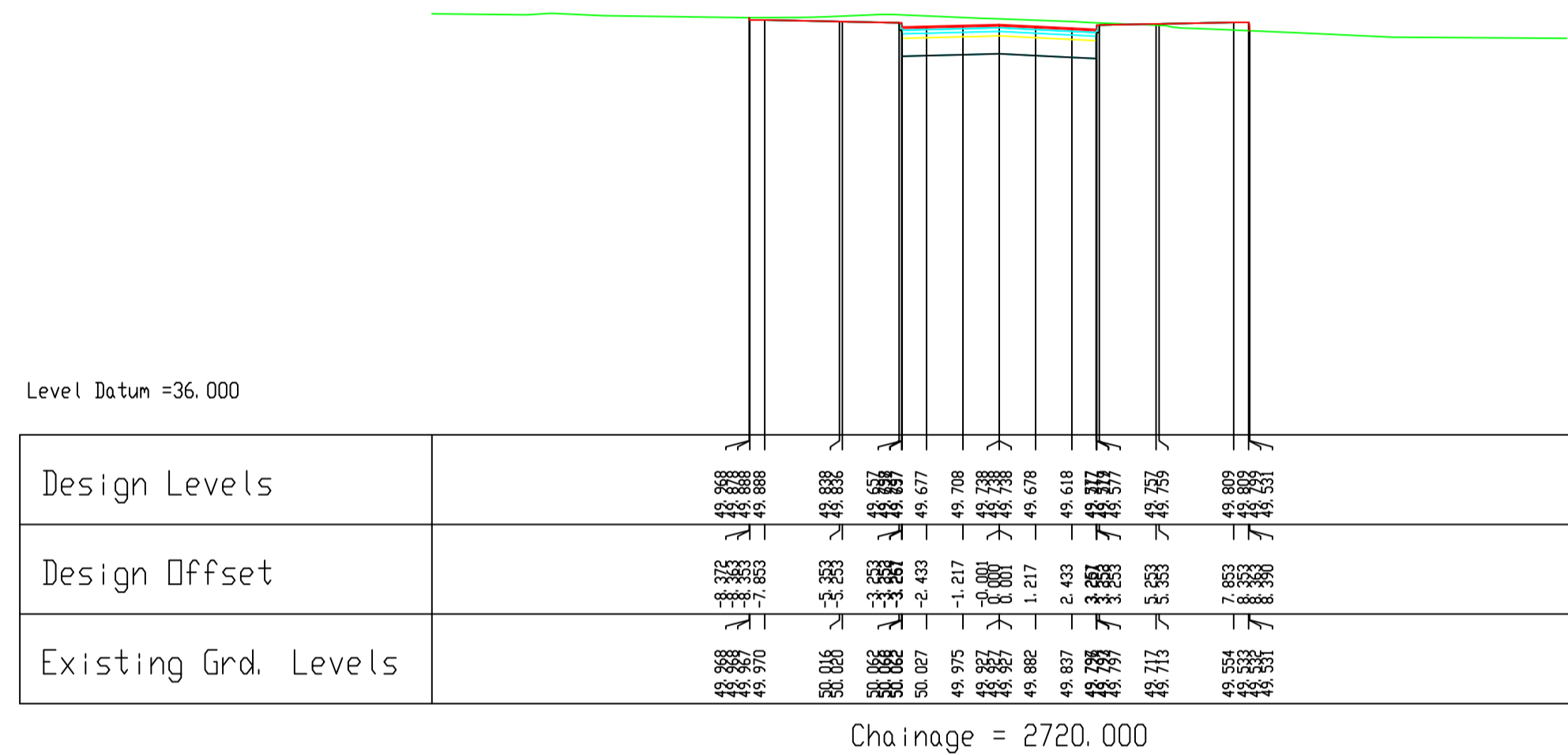
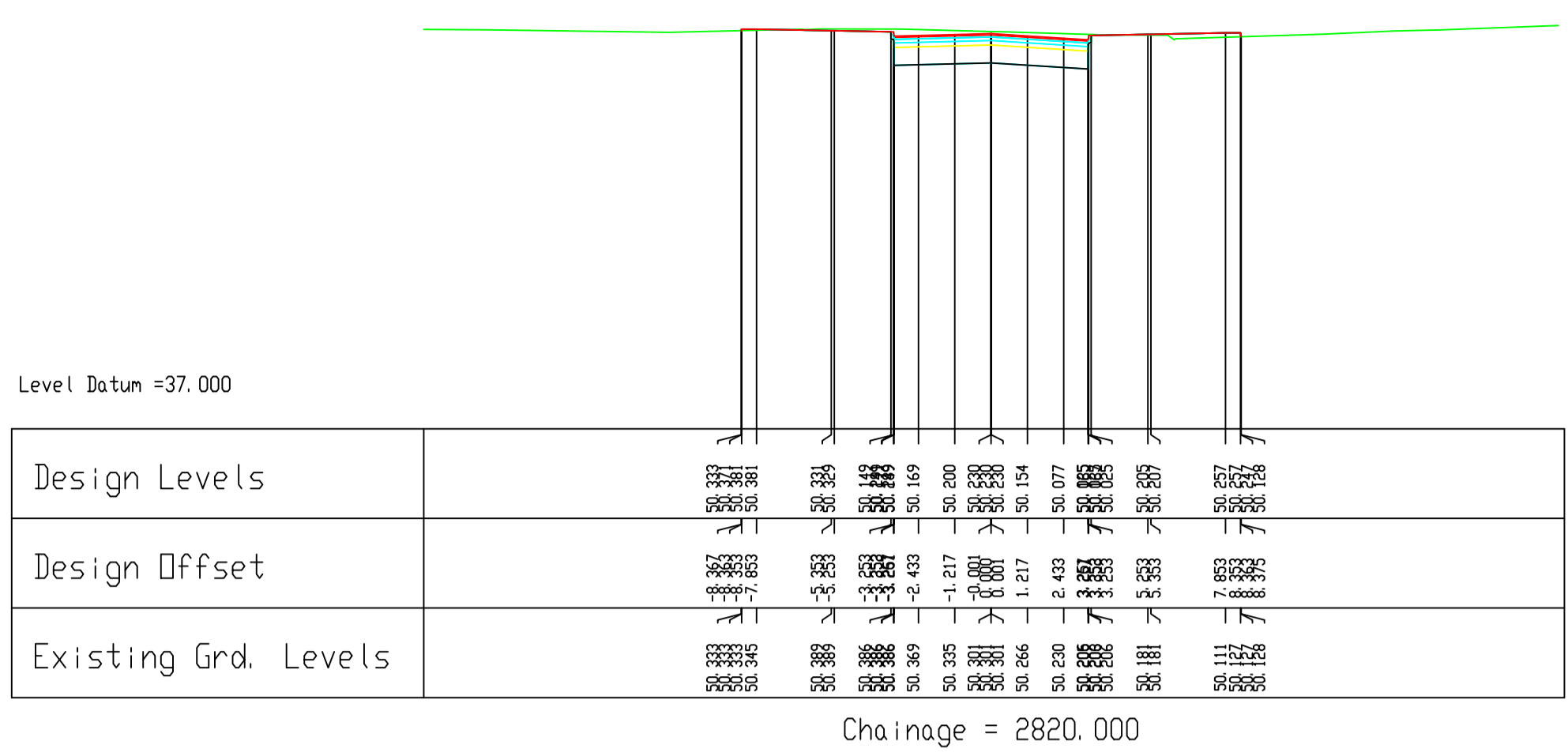
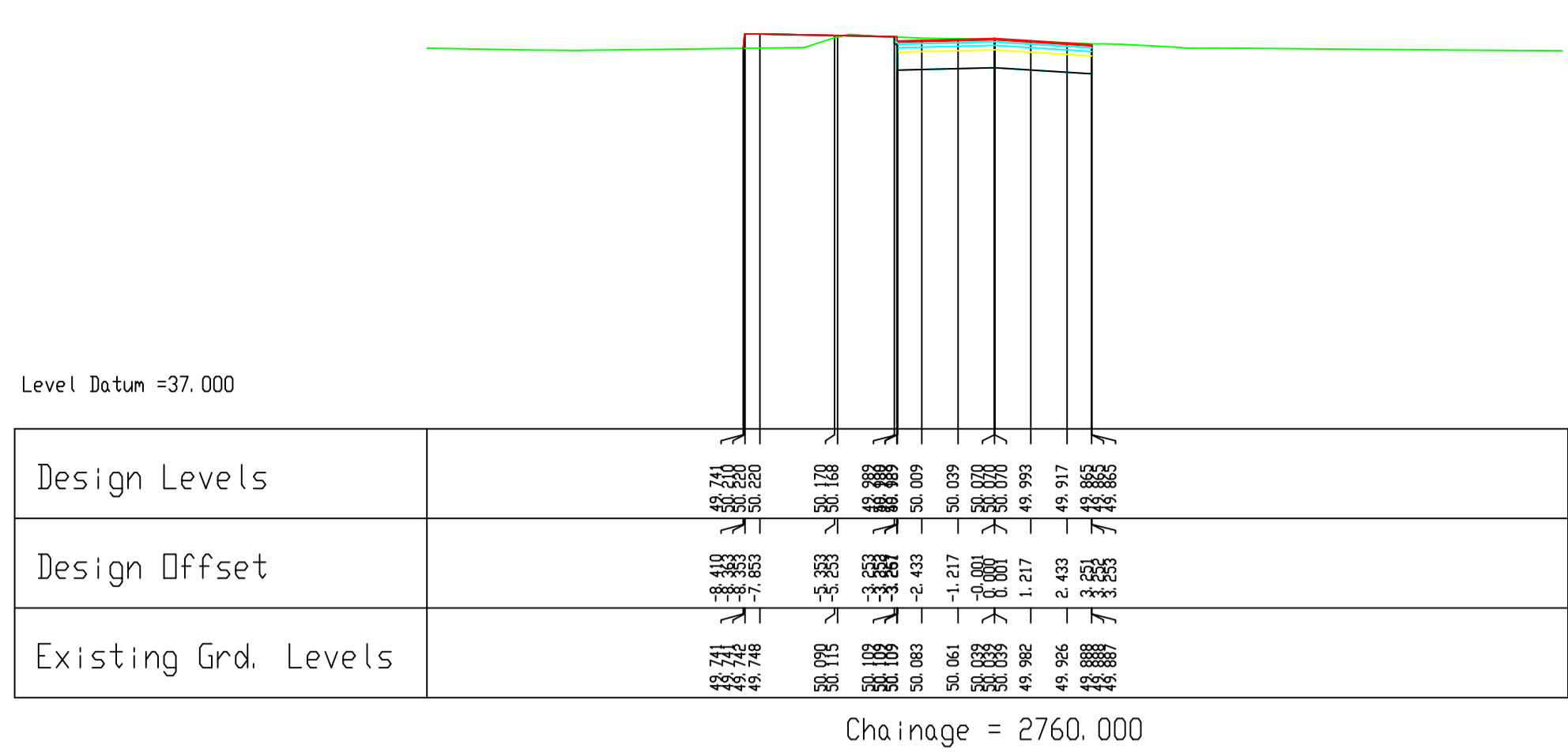
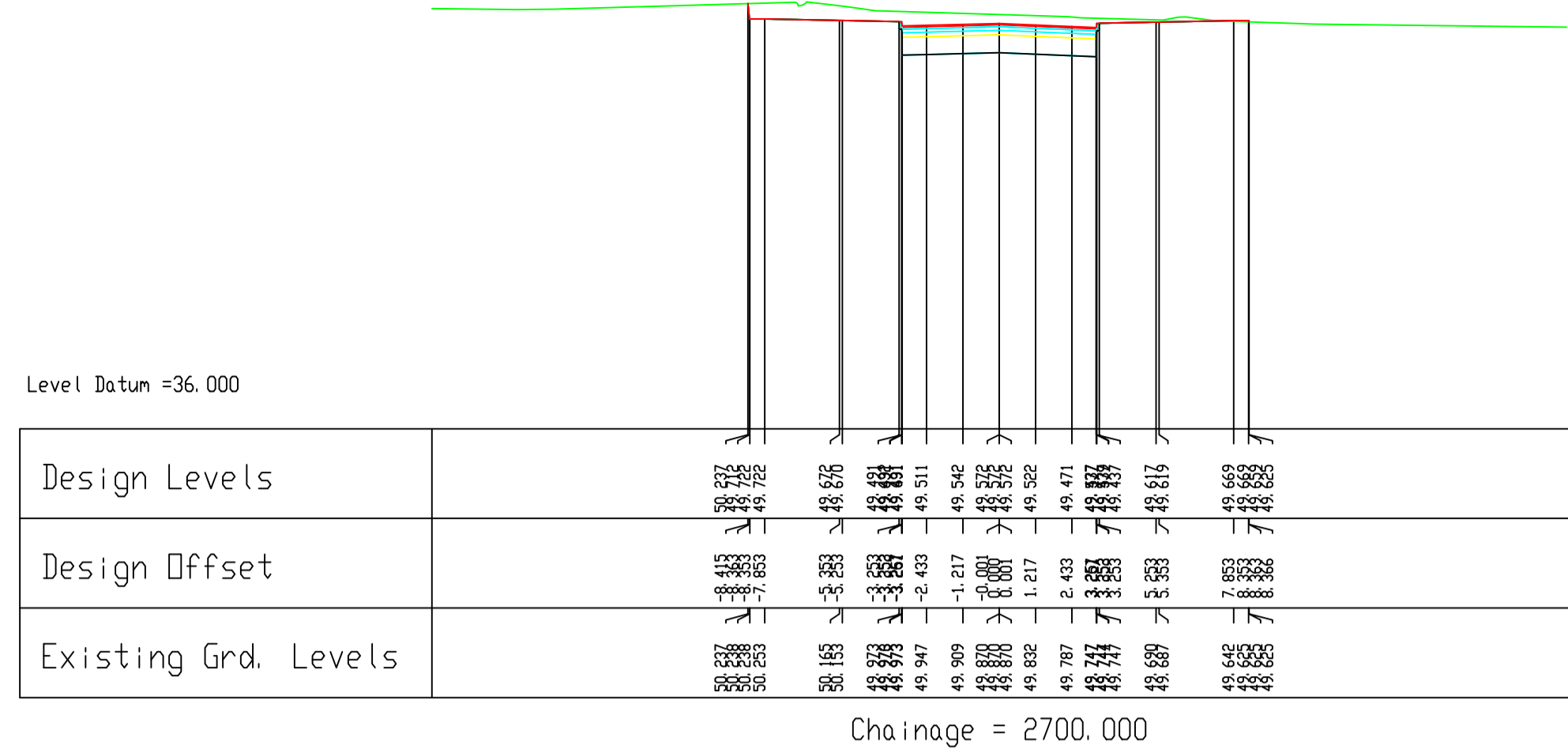
Design Levels	50.971 49.077 49.202 49.162 49.142 49.122 49.102 49.184 49.247 49.308 49.369 49.429 49.490 49.551 49.612 49.674 49.737
Design Offset	-17.859 -13.649 -11.149 -9.149 -8.149 -7.149 -6.149 -4.399 -3.149 -1.933 -0.717 0.501 1.717 2.933 4.149 5.365
Existing Grd. Levels	50.971 50.974 50.961 50.952 51.036 51.056 50.974 50.932 50.889 50.849 50.807 50.766 50.724 50.683 50.640 50.597


Chainage = 2500.000



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch2340-2500		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-14




Comhairle Chontae na Gaillimhe
 Galway County Council
 National Roads Project Office,
 Galway County Council,
 Corporate House,
 Ballybrit Business Park,
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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunnd		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch2700-2860		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-16

Level Datum =37.000

Design Levels	50.500 50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400
Design Offset	0.000 0.005 0.010 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100
Existing Grd. Levels	50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400

Chainage = 2880.000

Level Datum =37.000

Design Levels	50.300 50.295 50.290 50.285 50.280 50.275 50.270 50.265 50.260 50.255 50.250 50.245 50.240 50.235 50.230 50.225 50.220 50.215 50.210 50.205 50.200
Design Offset	0.000 0.005 0.010 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100
Existing Grd. Levels	50.295 50.290 50.285 50.280 50.275 50.270 50.265 50.260 50.255 50.250 50.245 50.240 50.235 50.230 50.225 50.220 50.215 50.210 50.205 50.200

Chainage = 2940.000

Level Datum =37.000

Design Levels	50.500 50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400
Design Offset	0.000 0.005 0.010 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100
Existing Grd. Levels	50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400

Chainage = 2900.000

Level Datum =37.000

Design Levels	50.300 50.295 50.290 50.285 50.280 50.275 50.270 50.265 50.260 50.255 50.250 50.245 50.240 50.235 50.230 50.225 50.220 50.215 50.210 50.205 50.200
Design Offset	0.000 0.005 0.010 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100
Existing Grd. Levels	50.295 50.290 50.285 50.280 50.275 50.270 50.265 50.260 50.255 50.250 50.245 50.240 50.235 50.230 50.225 50.220 50.215 50.210 50.205 50.200

Chainage = 2945.269

Level Datum =37.000

Design Levels	50.500 50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400
Design Offset	0.000 0.005 0.010 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100
Existing Grd. Levels	50.495 50.490 50.485 50.480 50.475 50.470 50.465 50.460 50.455 50.450 50.445 50.440 50.435 50.430 50.425 50.420 50.415 50.410 50.405 50.400

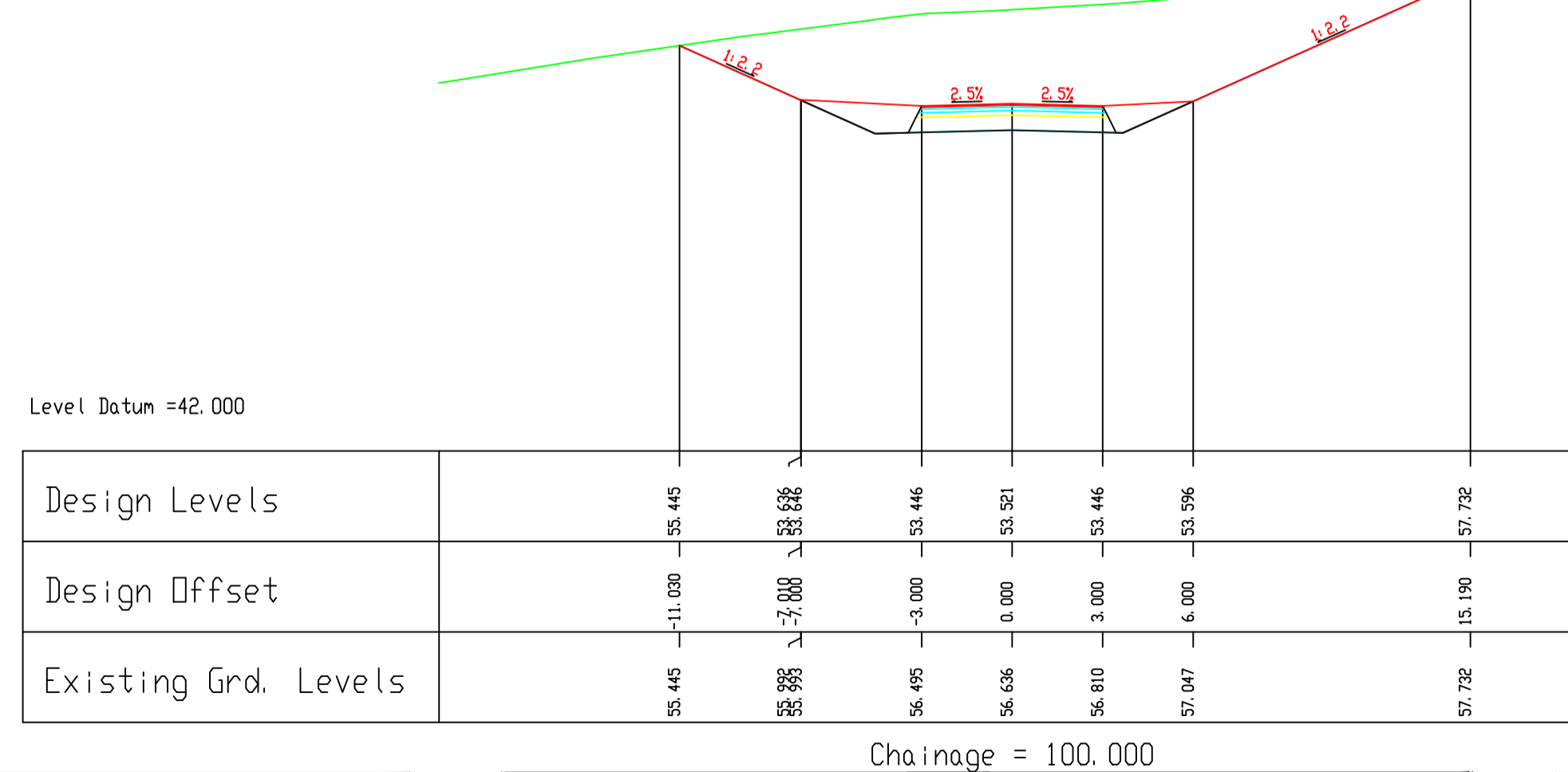
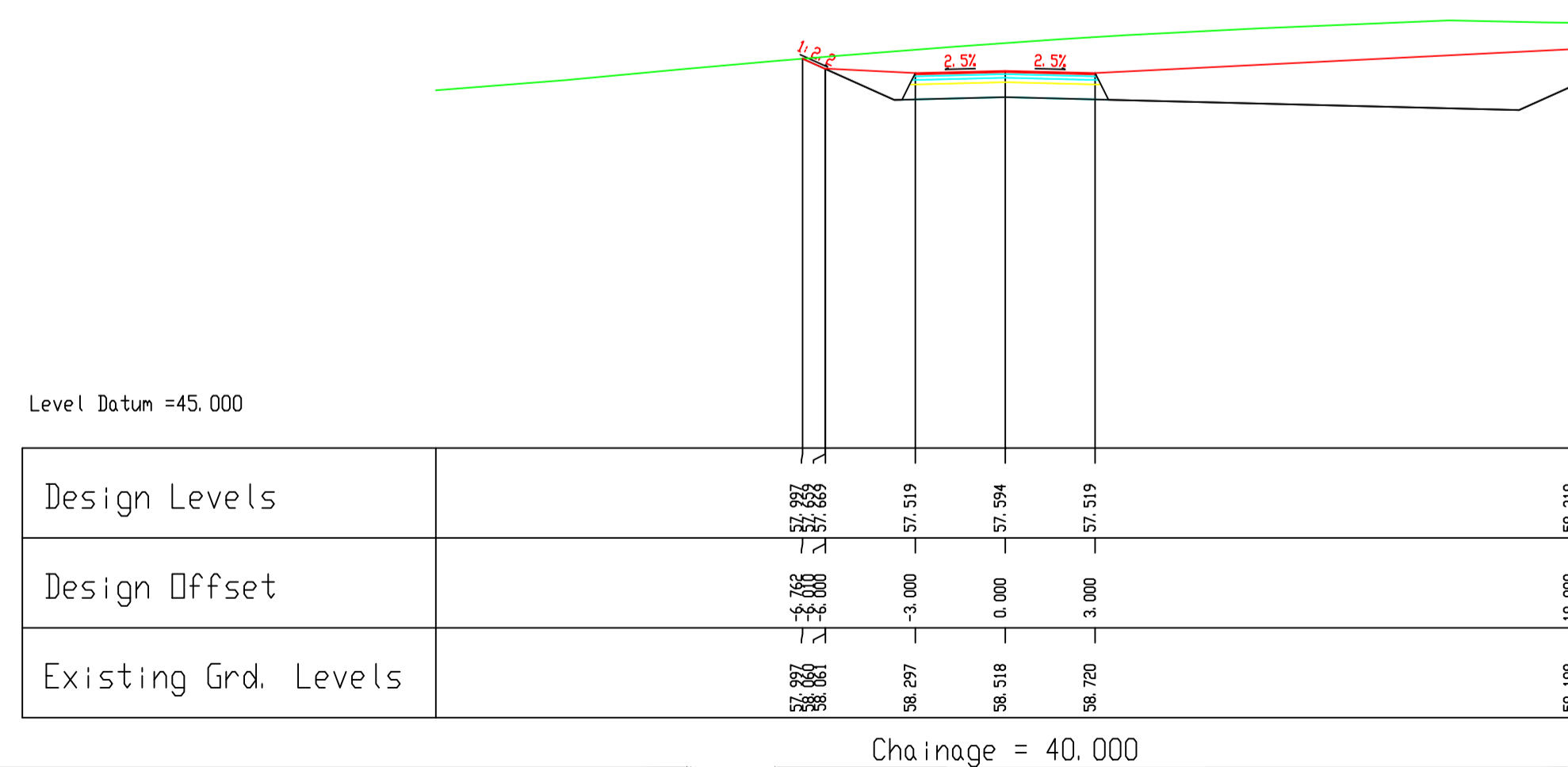
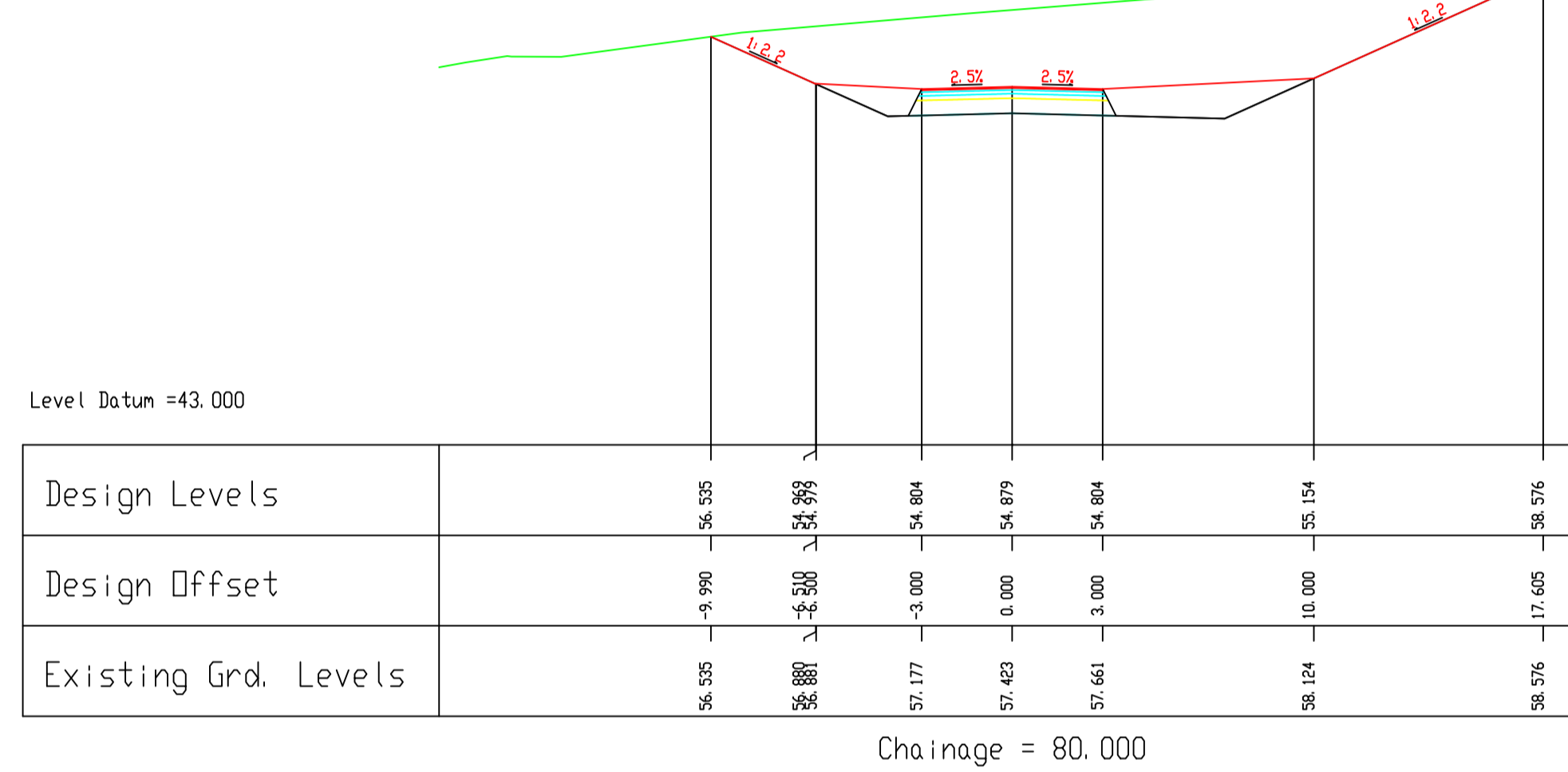
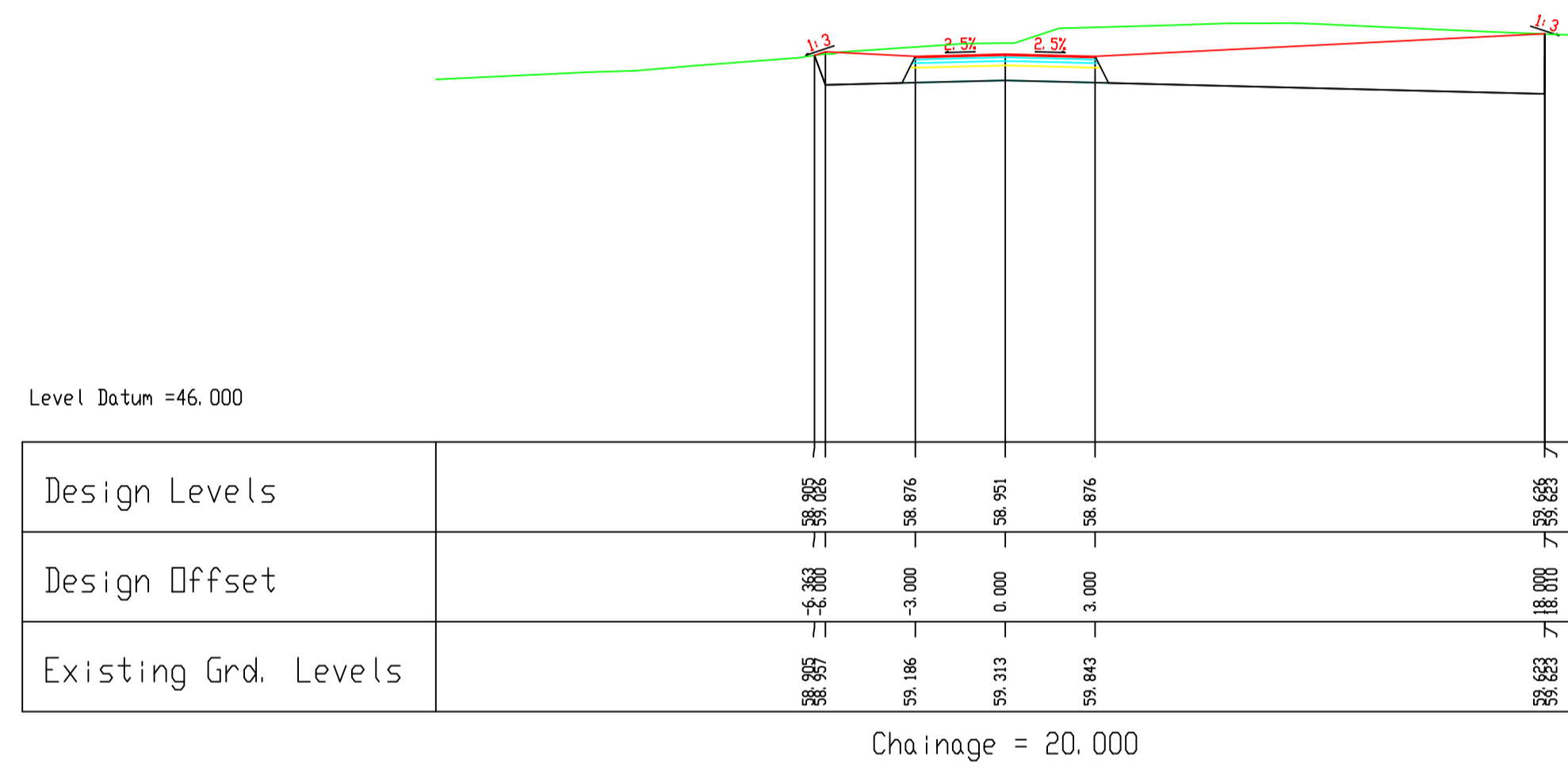
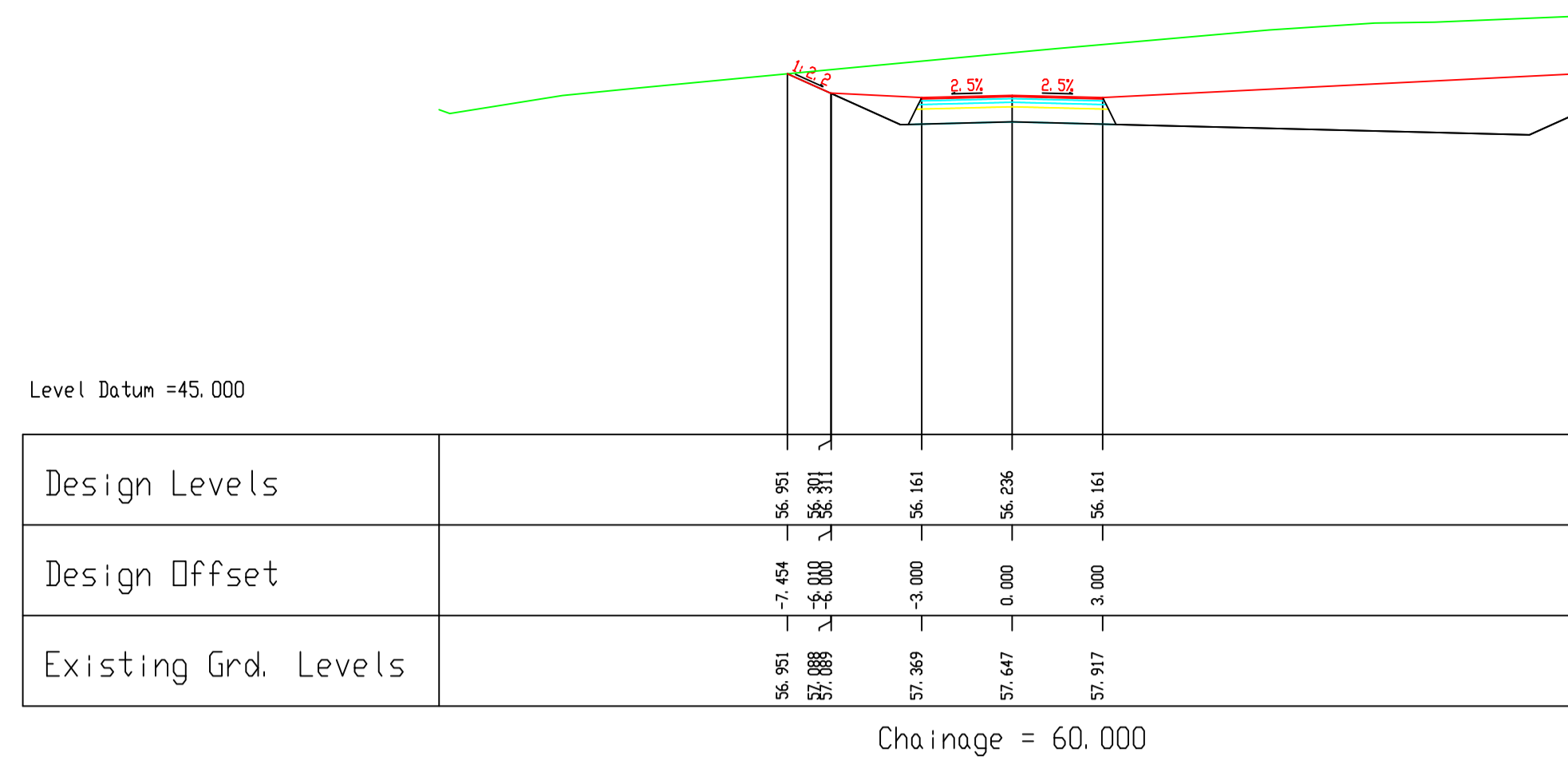
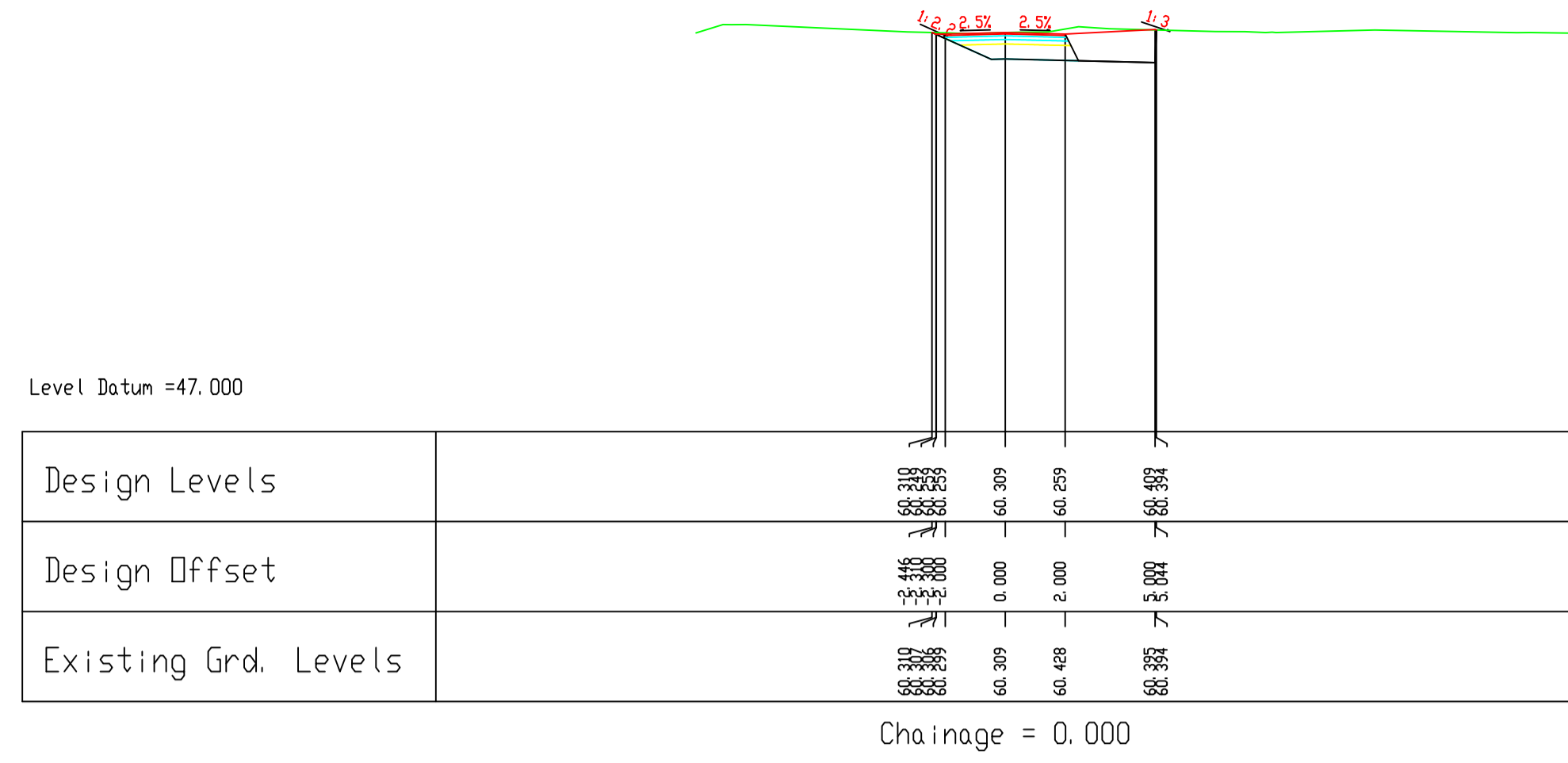
Chainage = 2920.000



National Roads Project Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

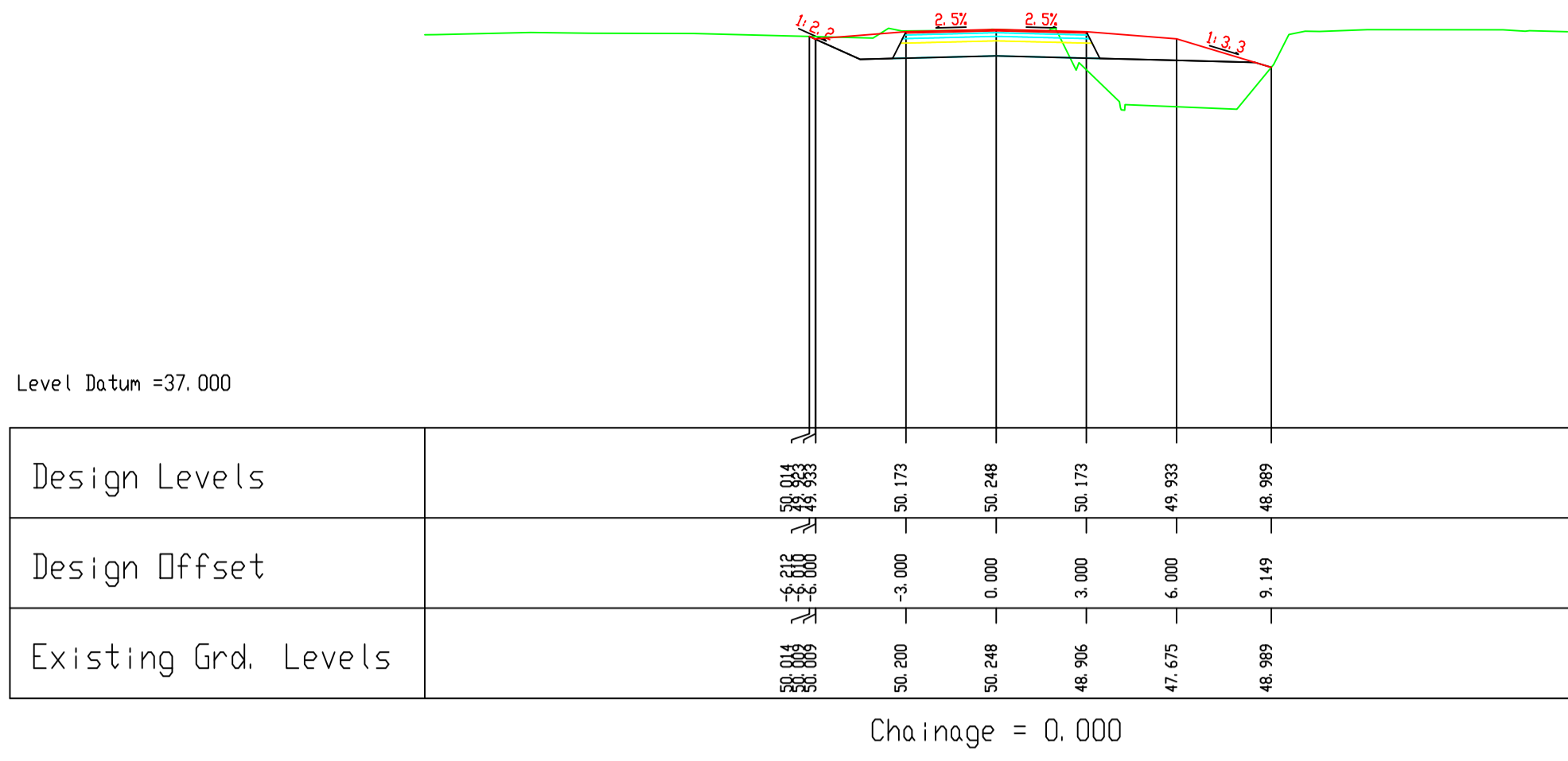
PROJECT	N17 Milltown to Gortnagunnd		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Ch2880-2945		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
			DRAWING NO.: CS-17



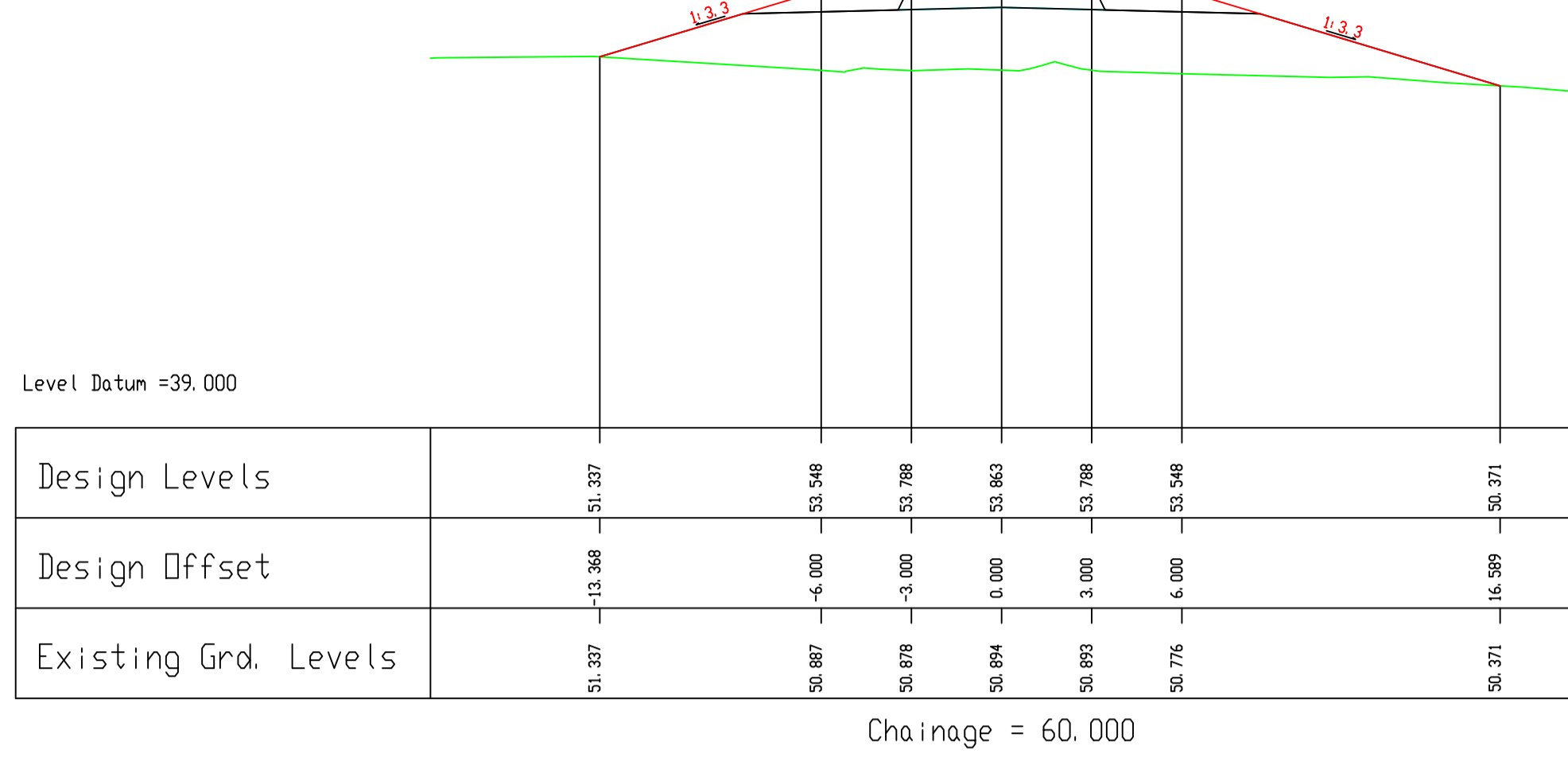
National Roads Project Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

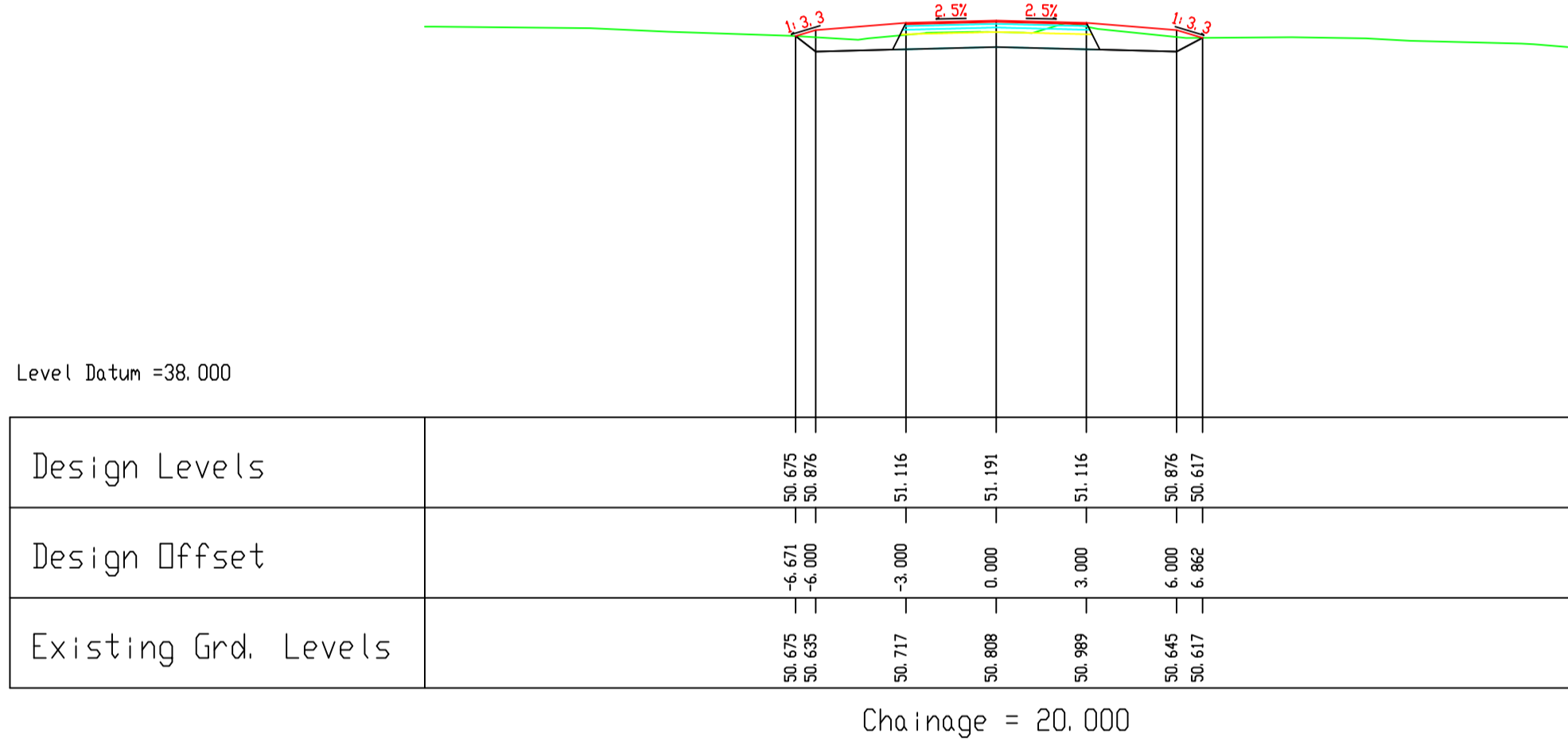
PROJECT	N17 Miltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Side Road L22271		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:	CS-18		



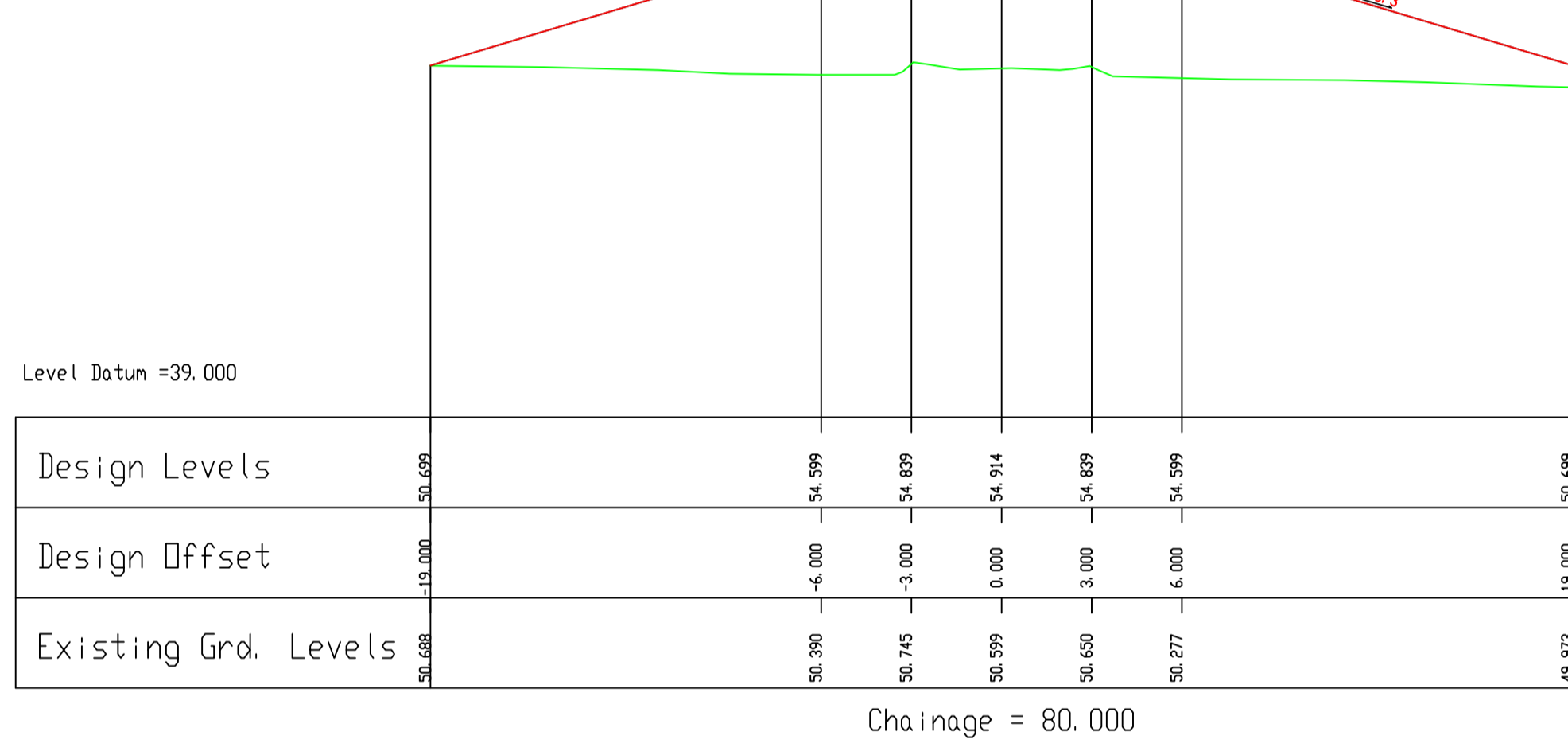
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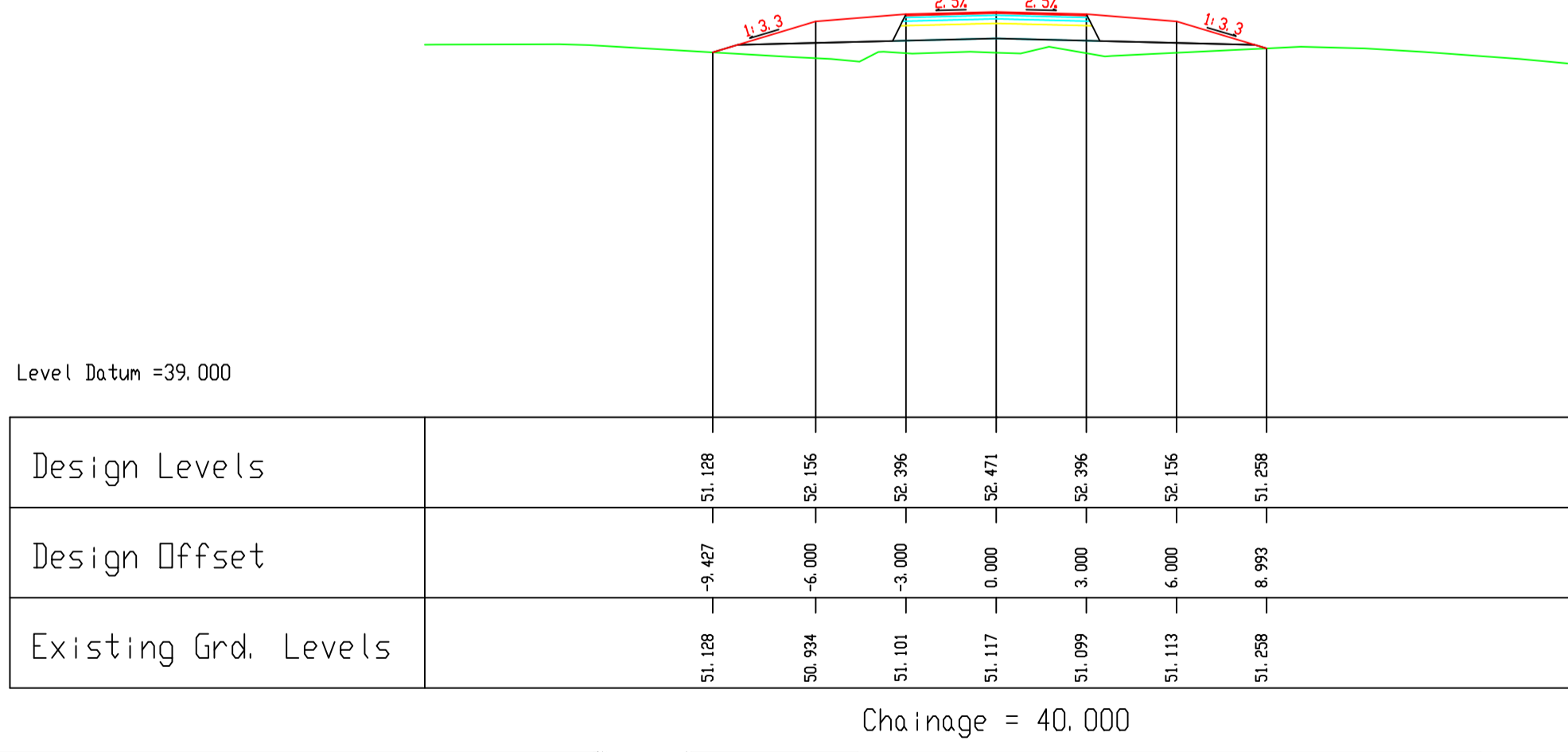
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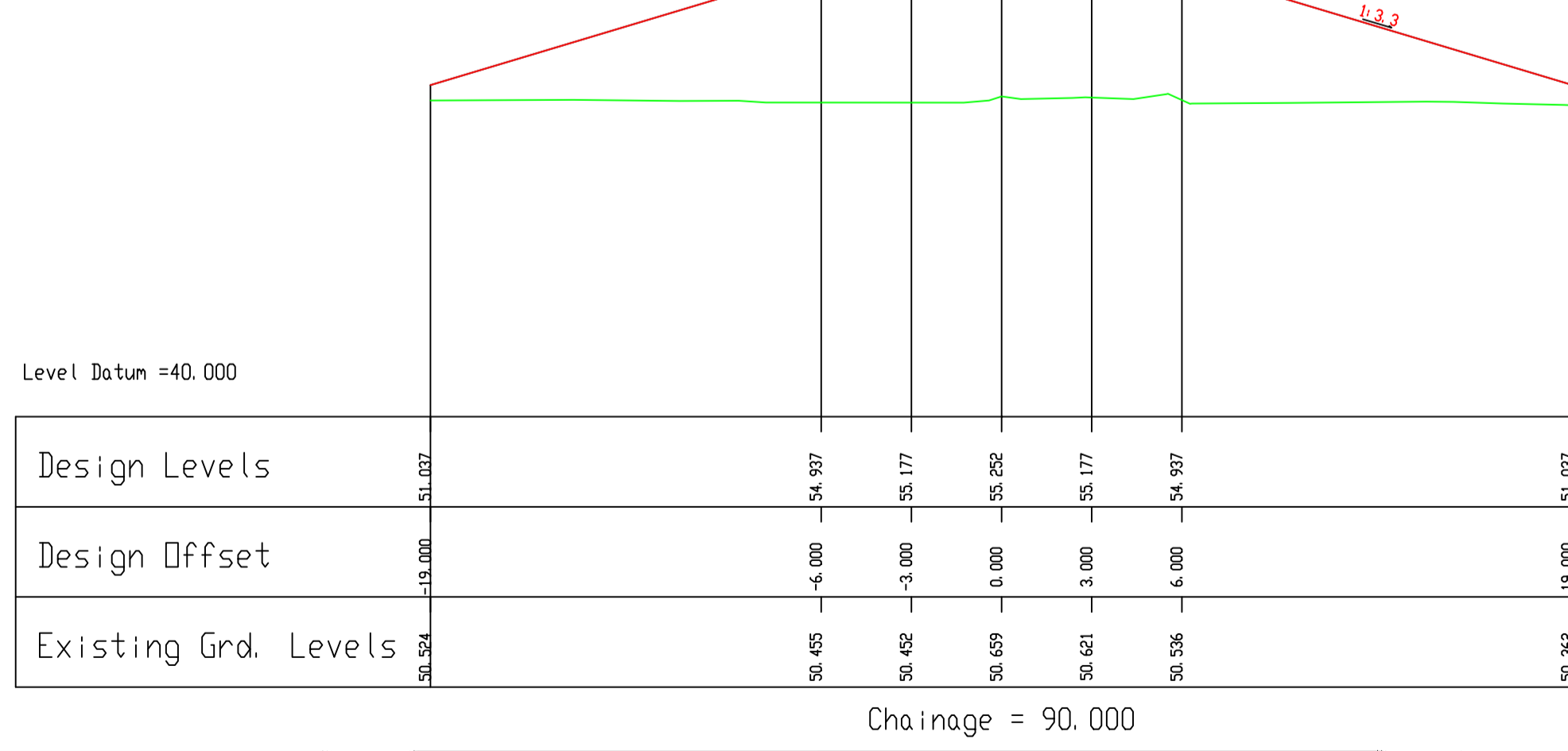
Chainage = 20.000



Chainage = 80.000



Chainage = 40.000



Chainage = 90.000



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REVISION:	MADE BY:	DATE:

PROJECT	N17 Miltown to Gortnagunnd		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Side Road L2227		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	CS-19

Level Datum =34.000

Design Levels		47.271	47.271	47.113	47.108	47.113	46.873	47.195
Design Offset		-6.917	-3.000	-3.000	0.000	3.000	6.000	6.715
Existing Grd. Levels		47.271	47.271	47.292	47.108	47.108	47.192	47.195

Chainage = 0.000

Level Datum =37.000

Design Levels		48.133	50.894	51.124	51.209	51.124	50.894	49.464
Design Offset		-15.205	-6.000	-3.000	0.000	3.000	6.000	10.769
Existing Grd. Levels		48.133	48.297	48.274	48.632	48.929	49.196	49.464

Chainage = 60.000

Level Datum =35.000

Design Levels		47.814	48.213	48.453	48.528	48.453	48.213	48.510
Design Offset		-7.333	-6.000	-3.000	0.000	3.000	6.000	6.659
Existing Grd. Levels		47.814	47.888	48.056	48.402	48.477	48.504	48.510

Chainage = 20.000

Level Datum =38.000

Design Levels		48.771	52.225	52.475	52.550	52.475	52.225	49.927
Design Offset		-17.945	-6.000	-3.000	0.000	3.000	6.000	13.694
Existing Grd. Levels		48.771	48.410	48.588	48.767	48.960	49.167	49.927

Chainage = 80.000

Level Datum =36.000

Design Levels		48.138	49.554	49.794	49.869	49.794	49.554	48.704
Design Offset		-10.651	-6.000	-3.000	0.000	3.000	6.000	8.832
Existing Grd. Levels		48.138	48.117	48.090	48.161	48.299	48.462	48.704

Chainage = 40.000

Level Datum =38.000

Design Levels		49.673	53.575	53.815	53.890	53.815	53.575	50.605
Design Offset		-19.001	-6.000	-3.000	0.000	3.000	6.000	15.901
Existing Grd. Levels		48.570	49.016	49.137	49.295	49.523	49.714	50.605

Chainage = 100.00



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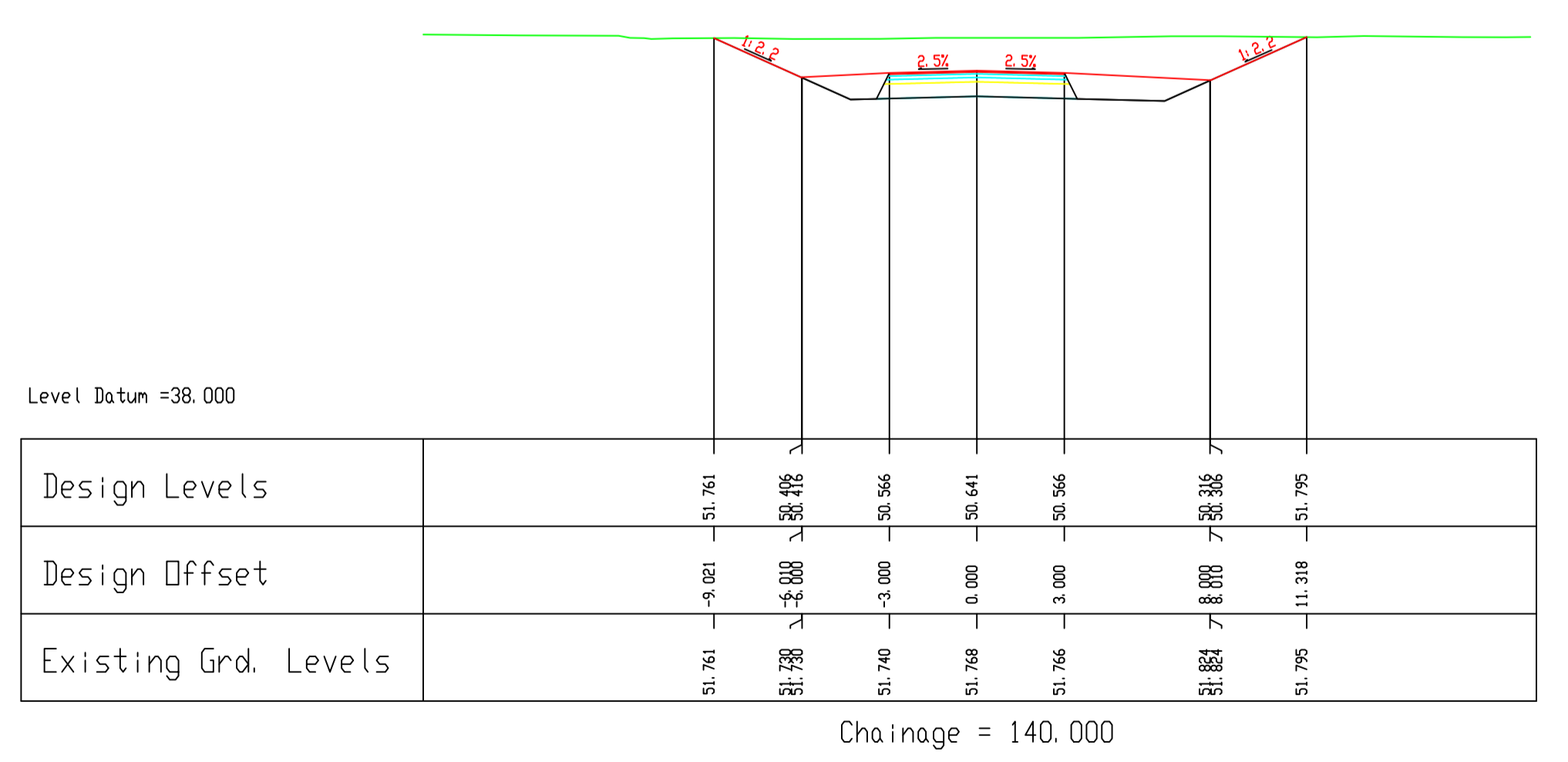
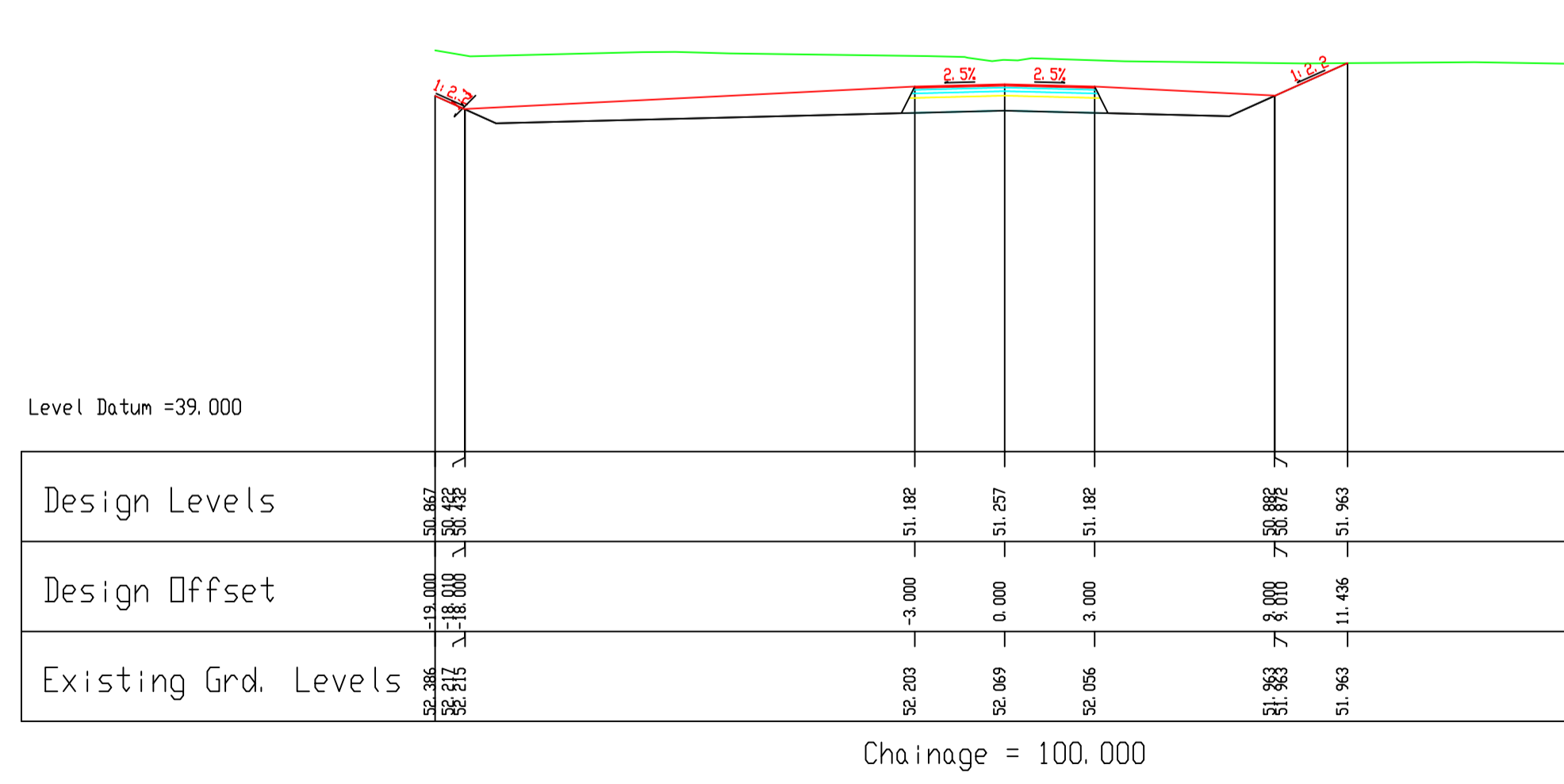
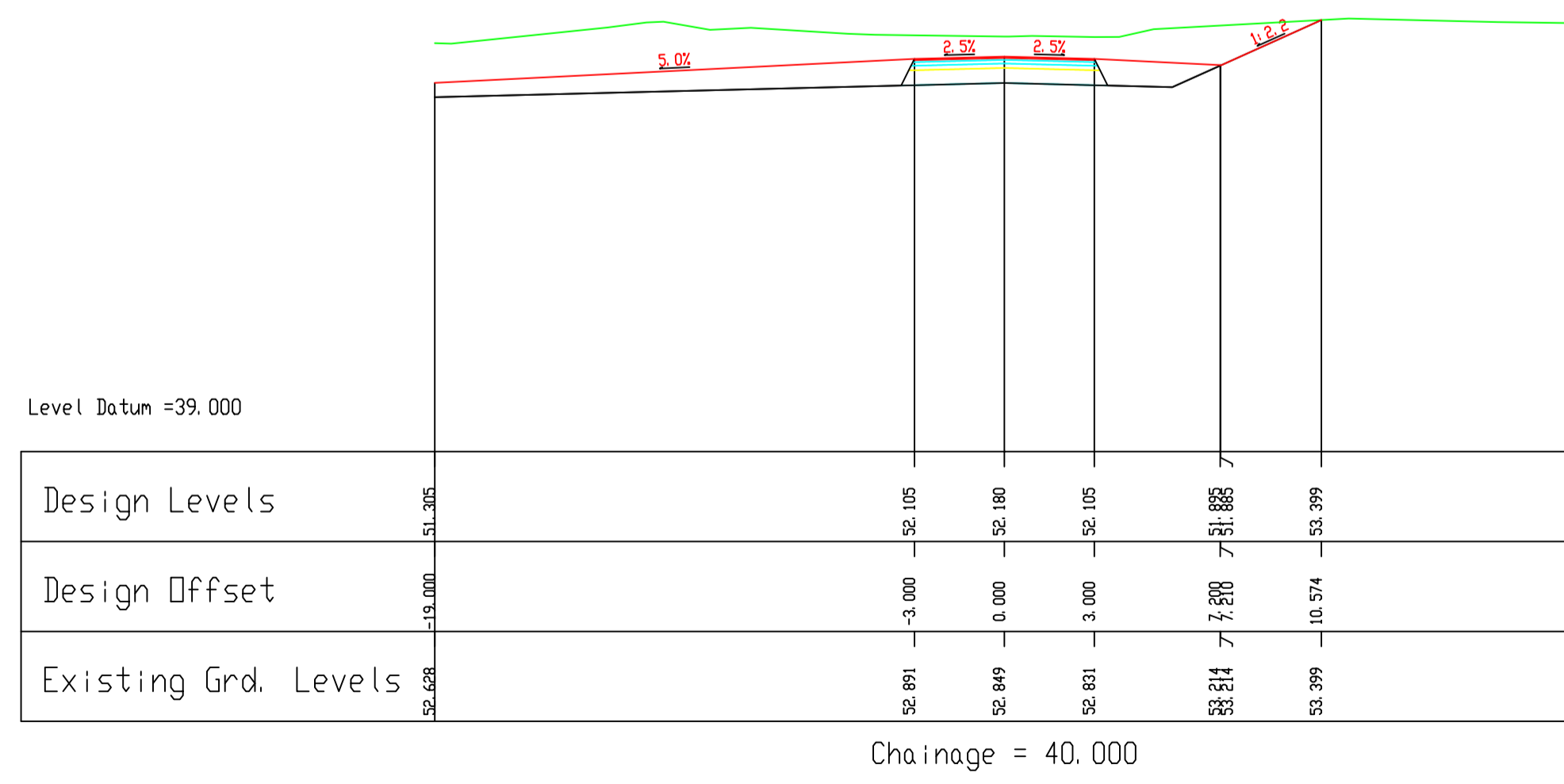
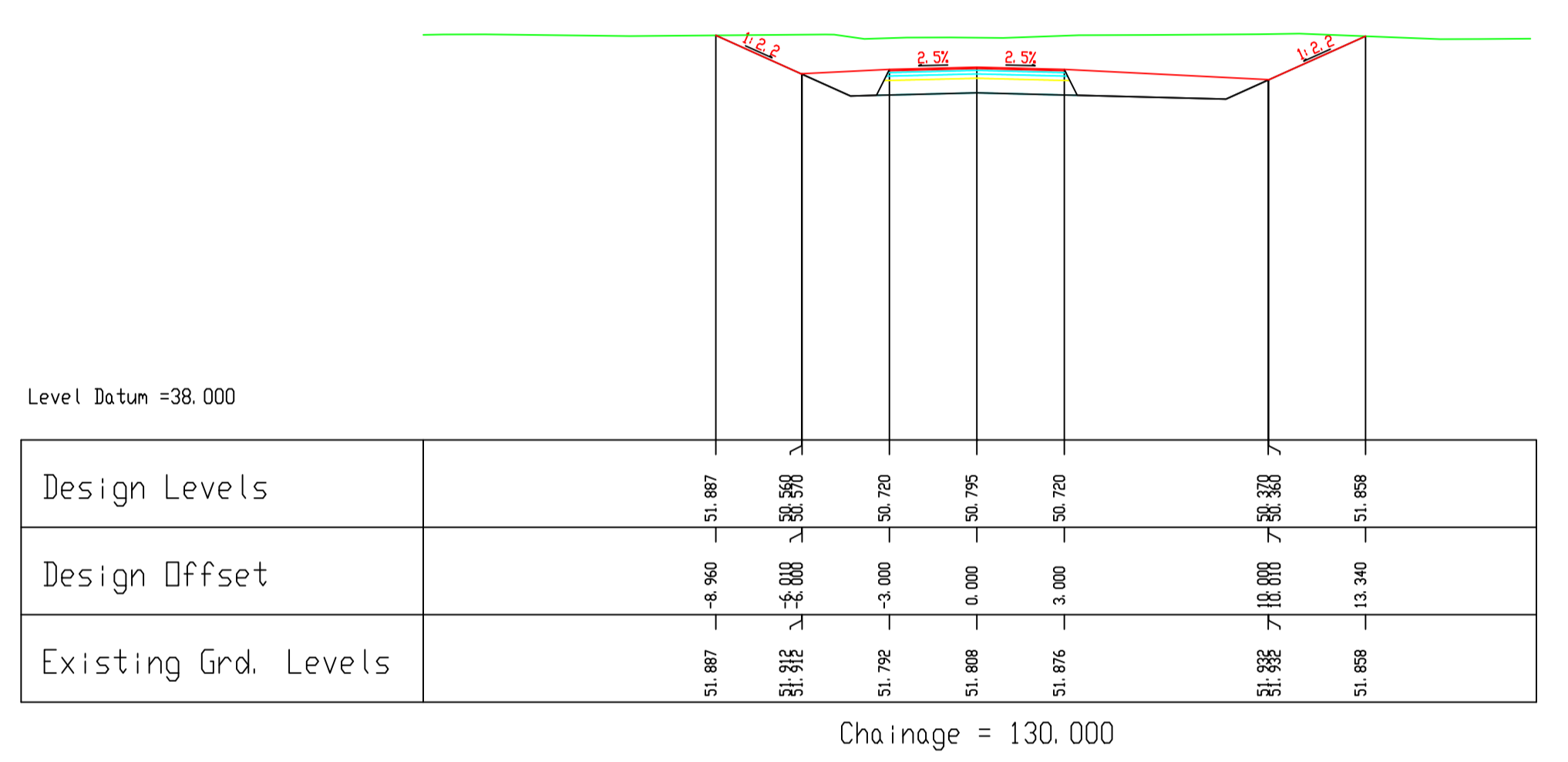
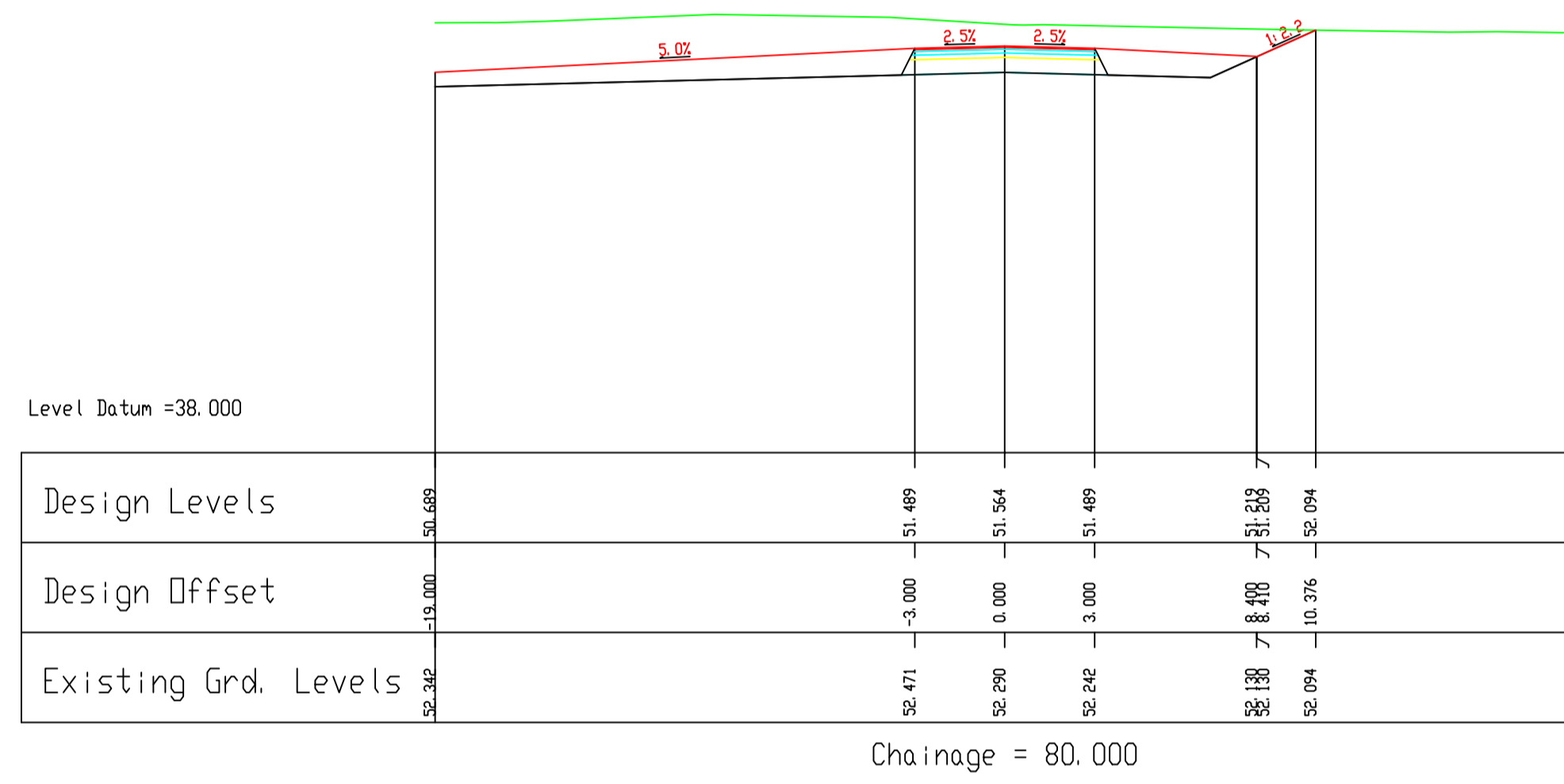
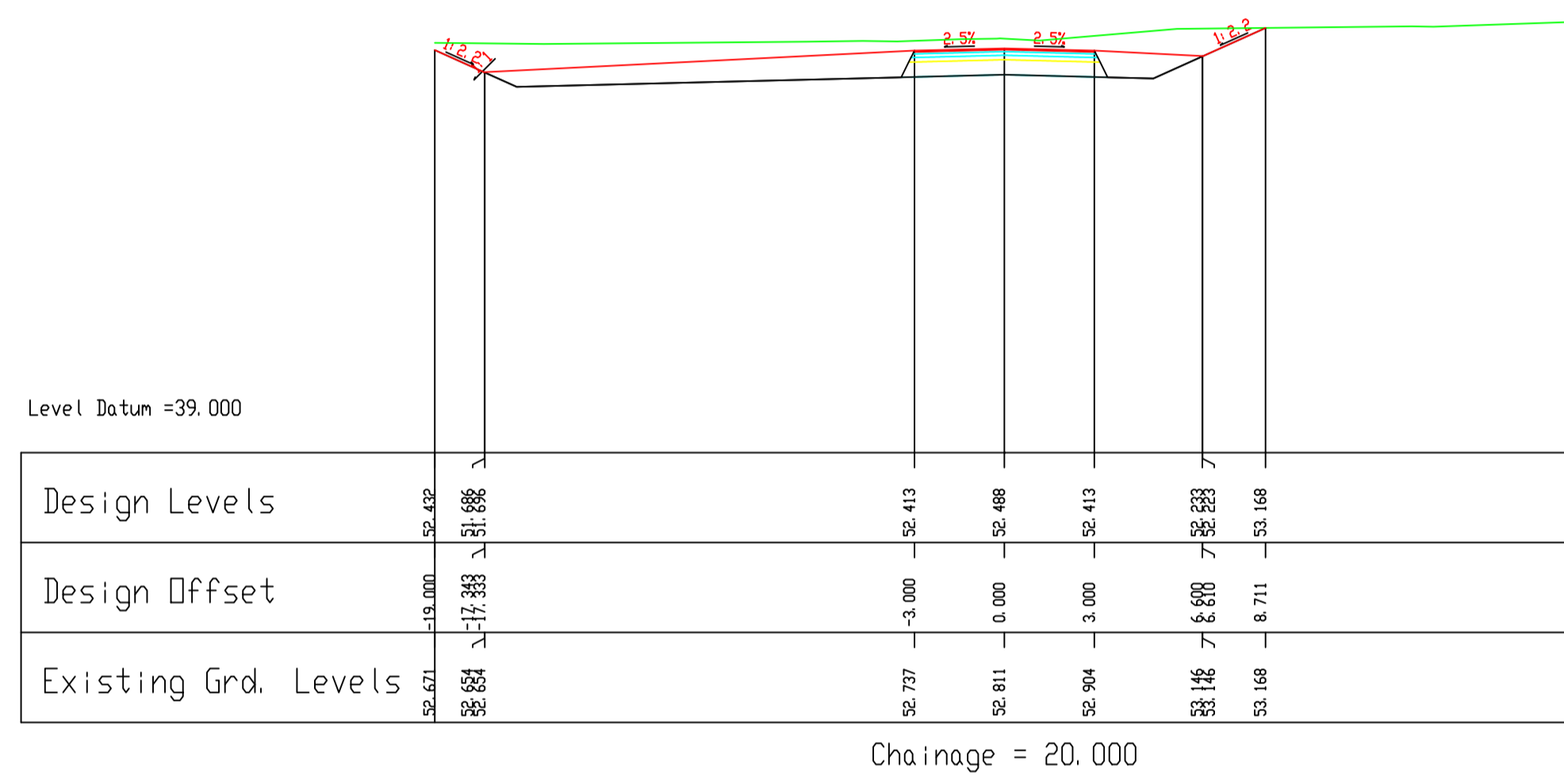
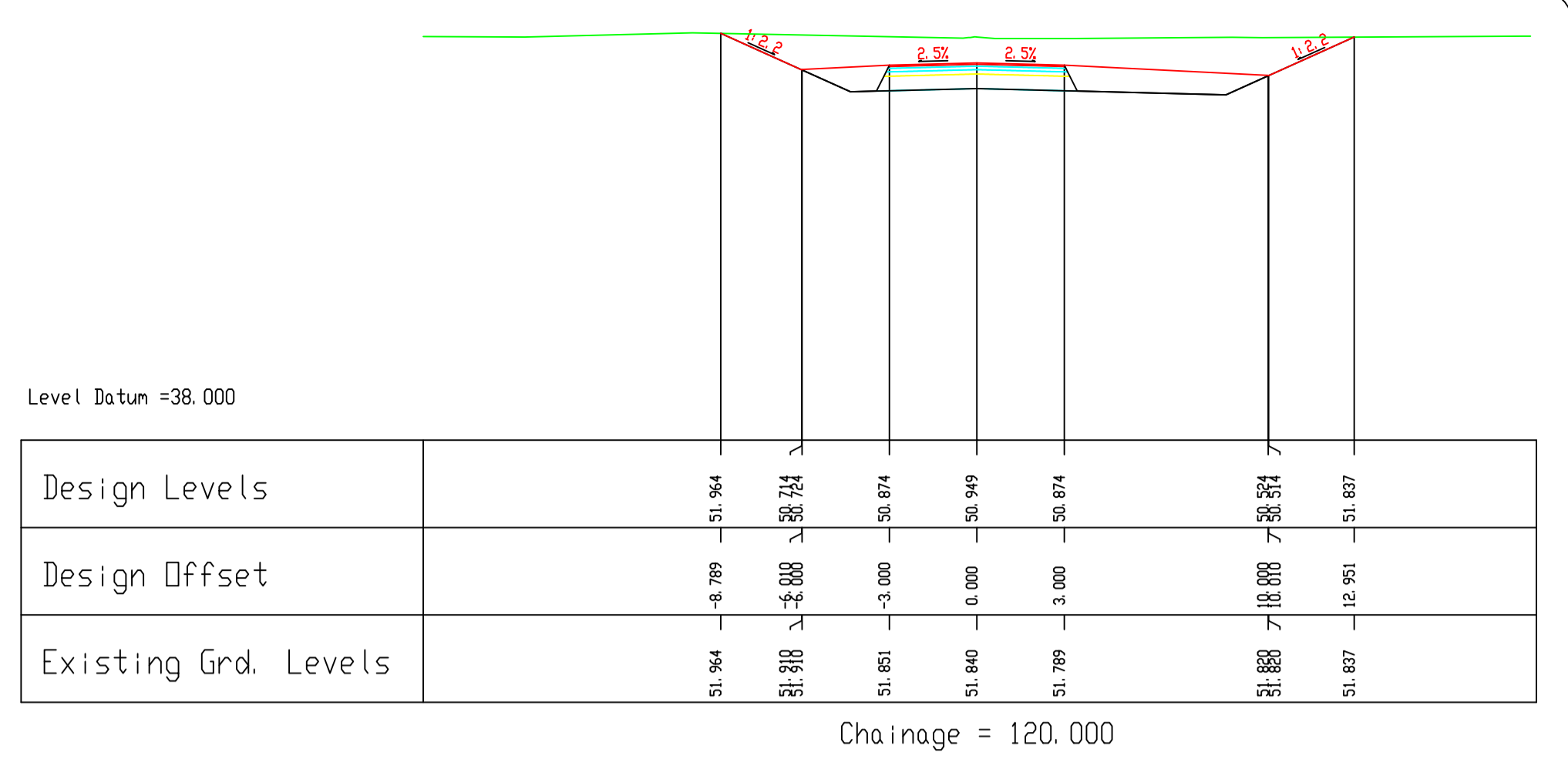
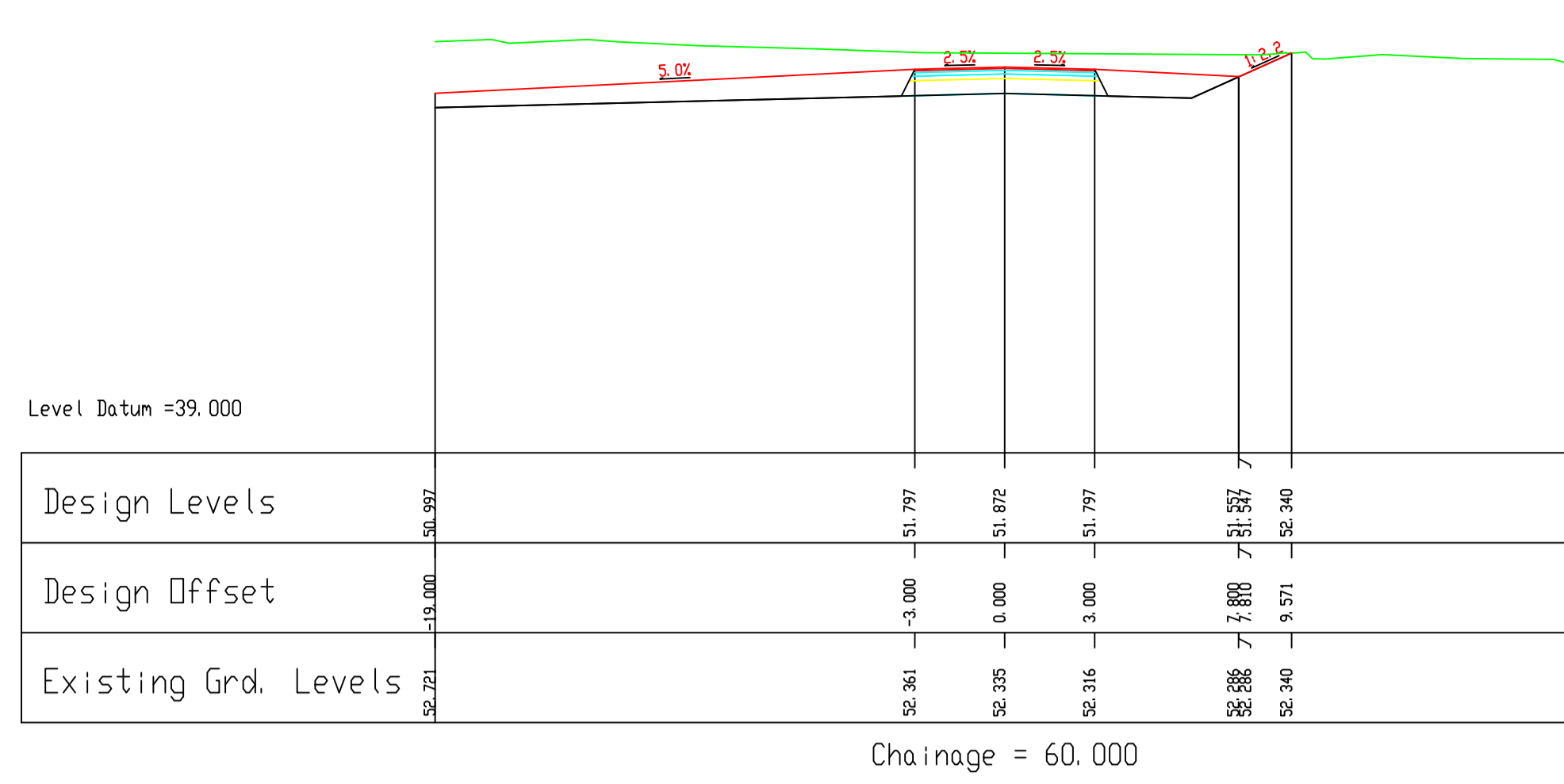
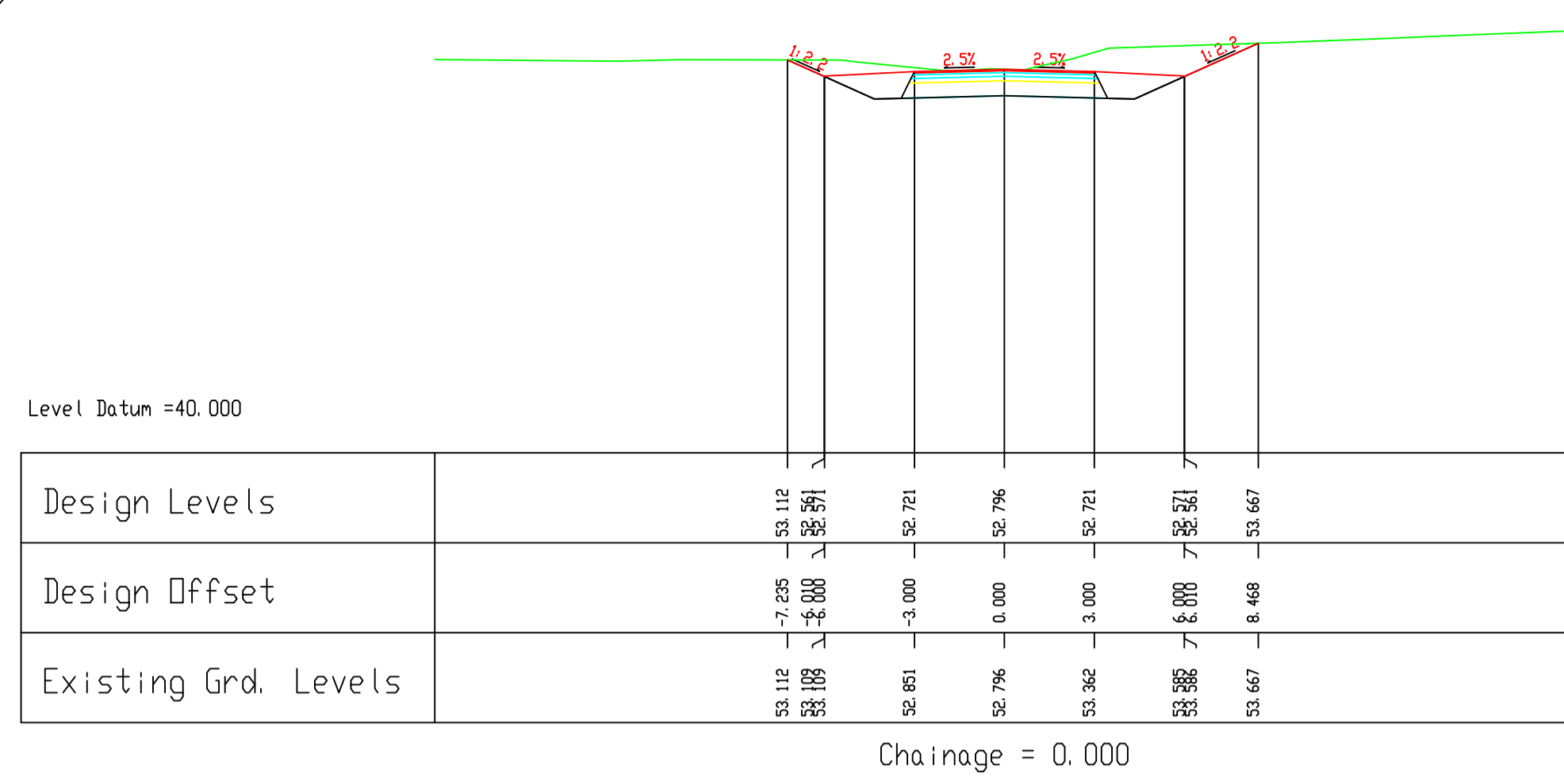
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PROJECT N17 Miltown to Gortnagunnd

COMPONENT: Design Drawings

TITLE: Cross Sections-Side Road L22087-DRUM

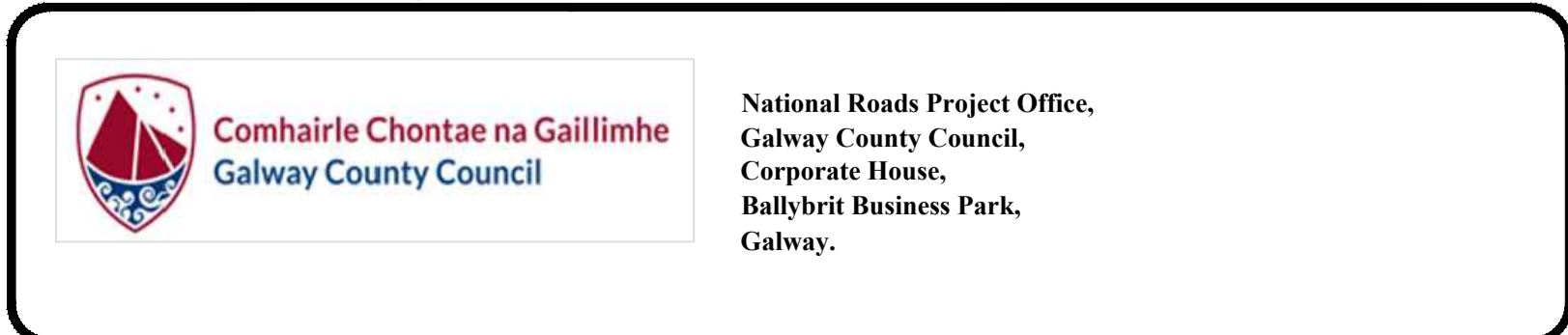
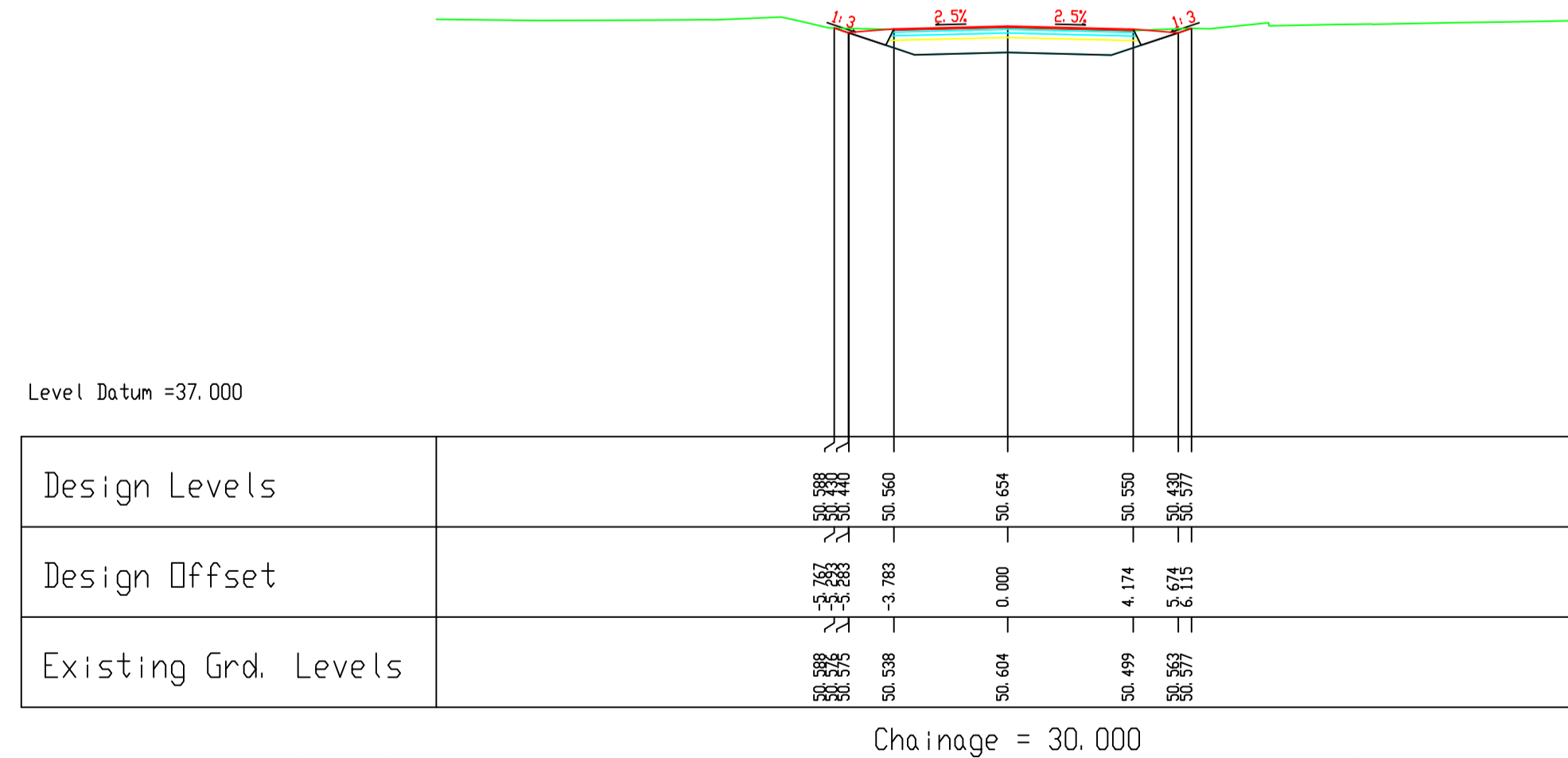
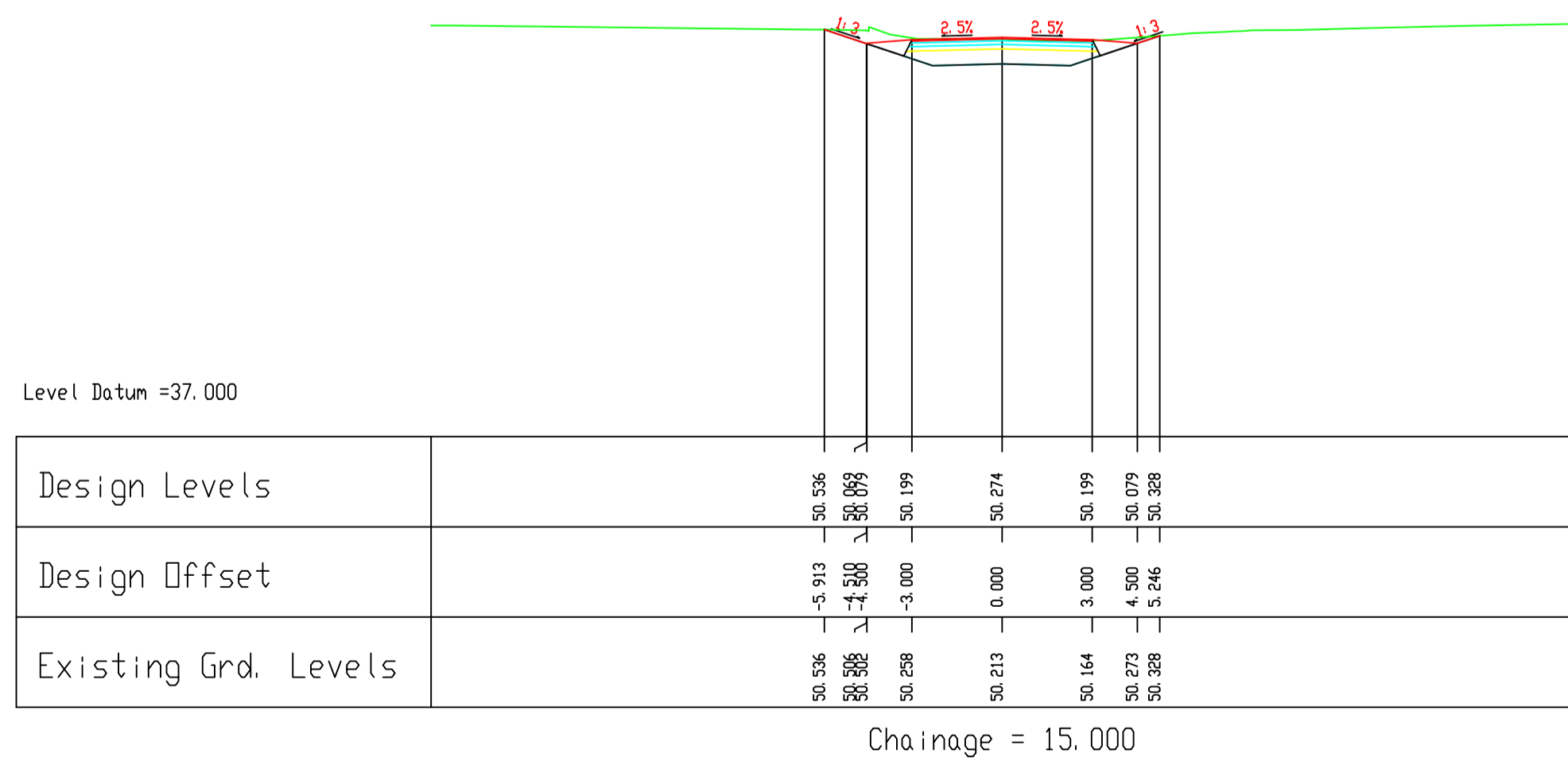
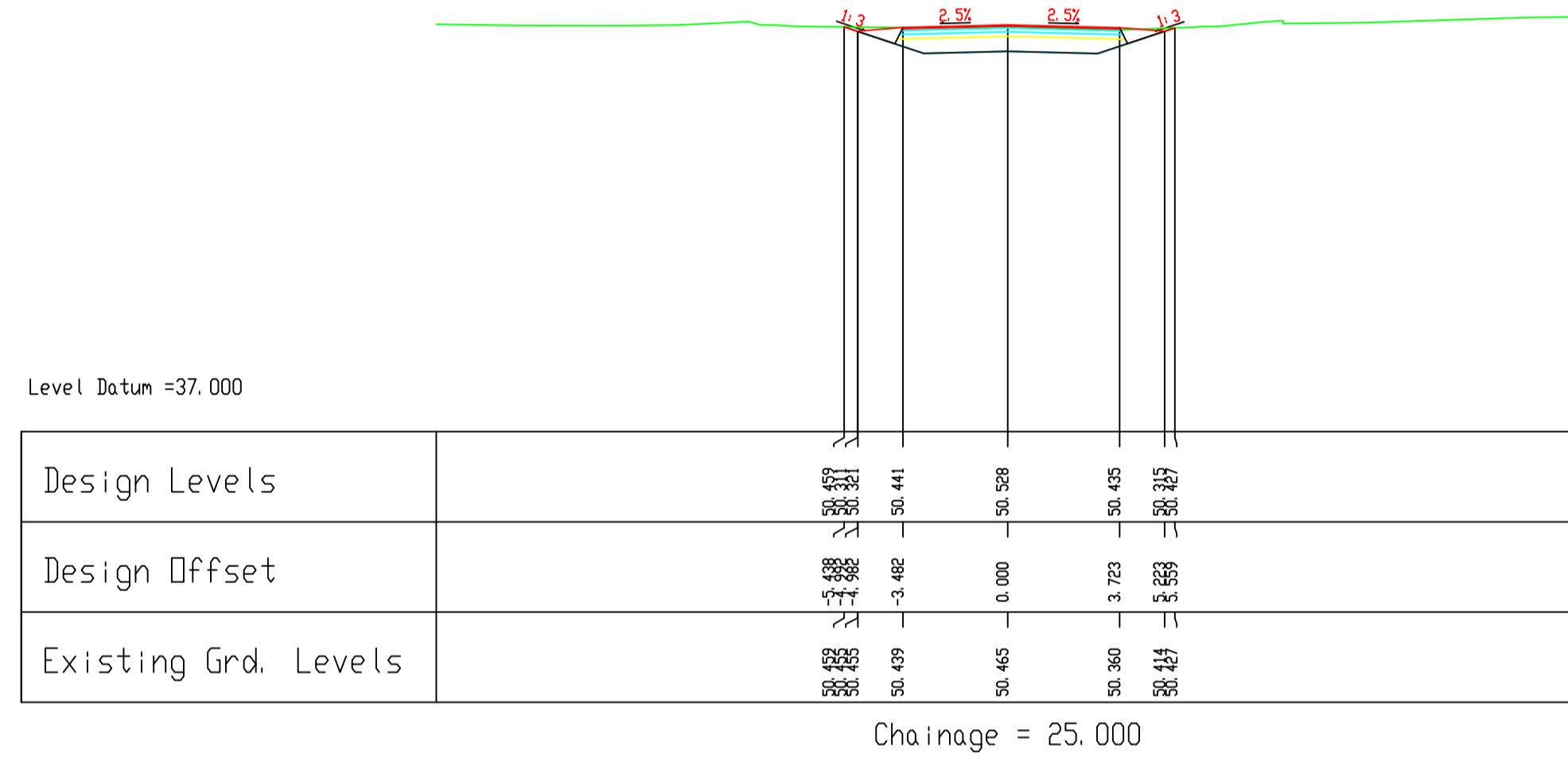
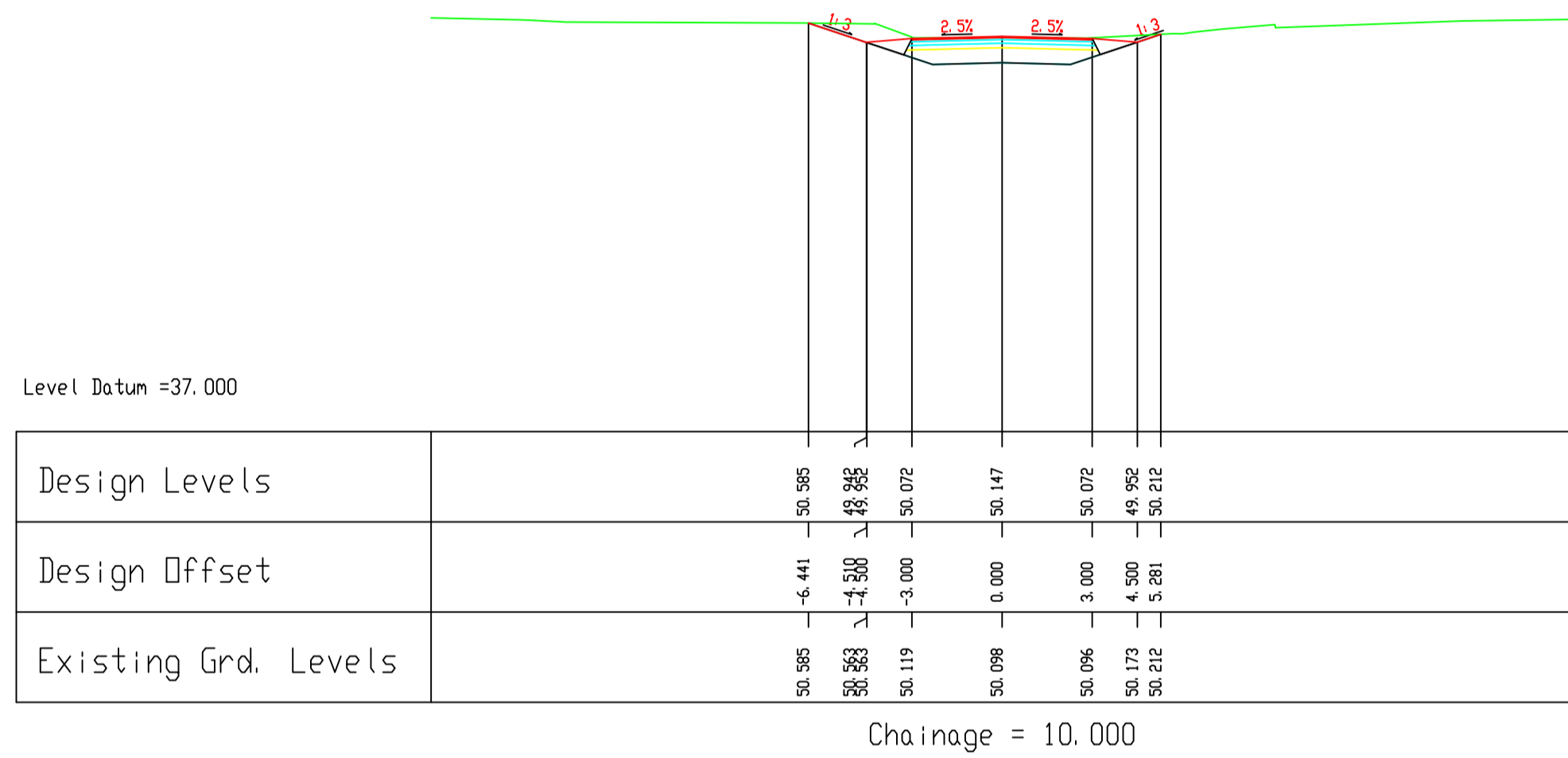
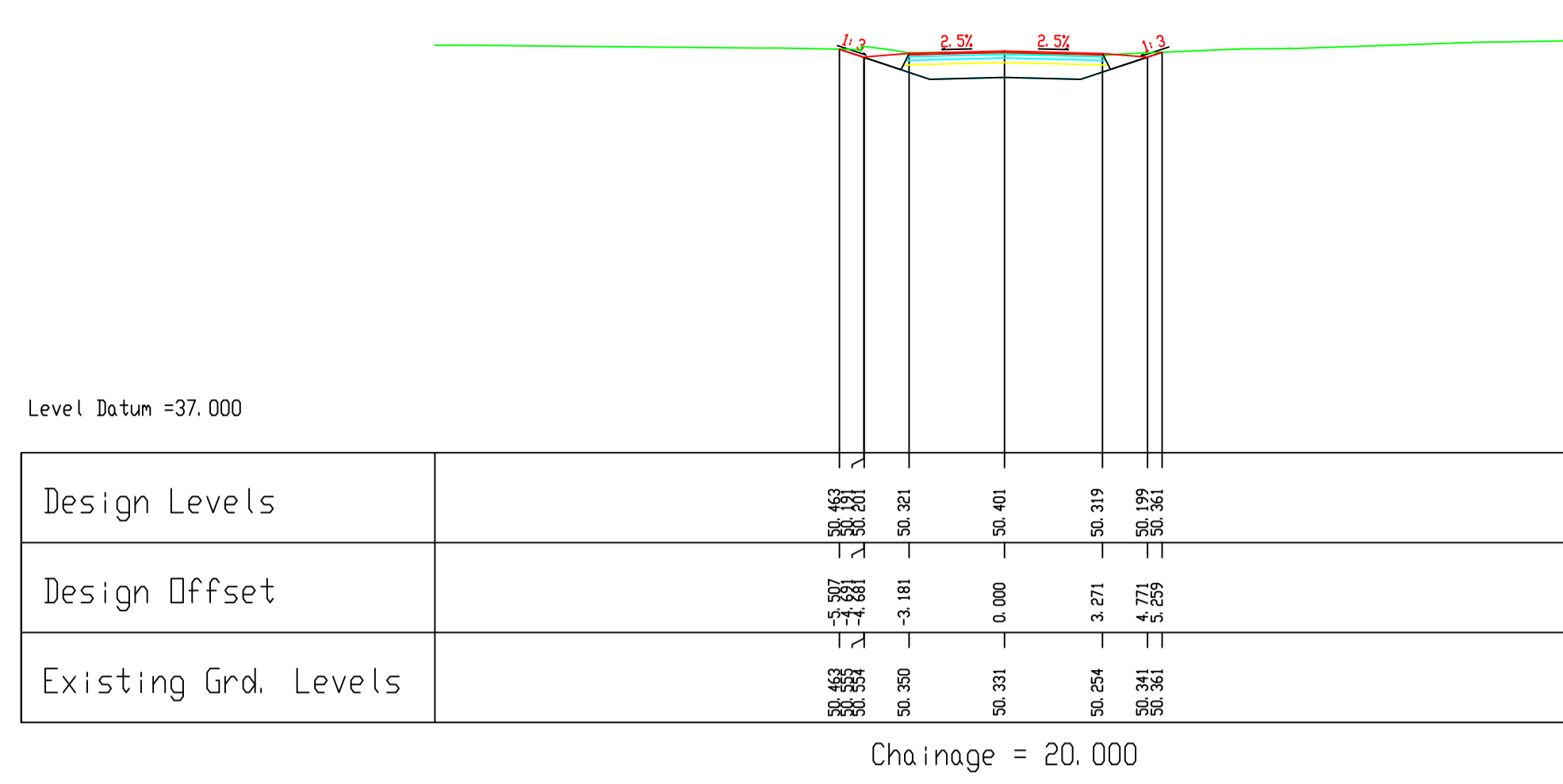
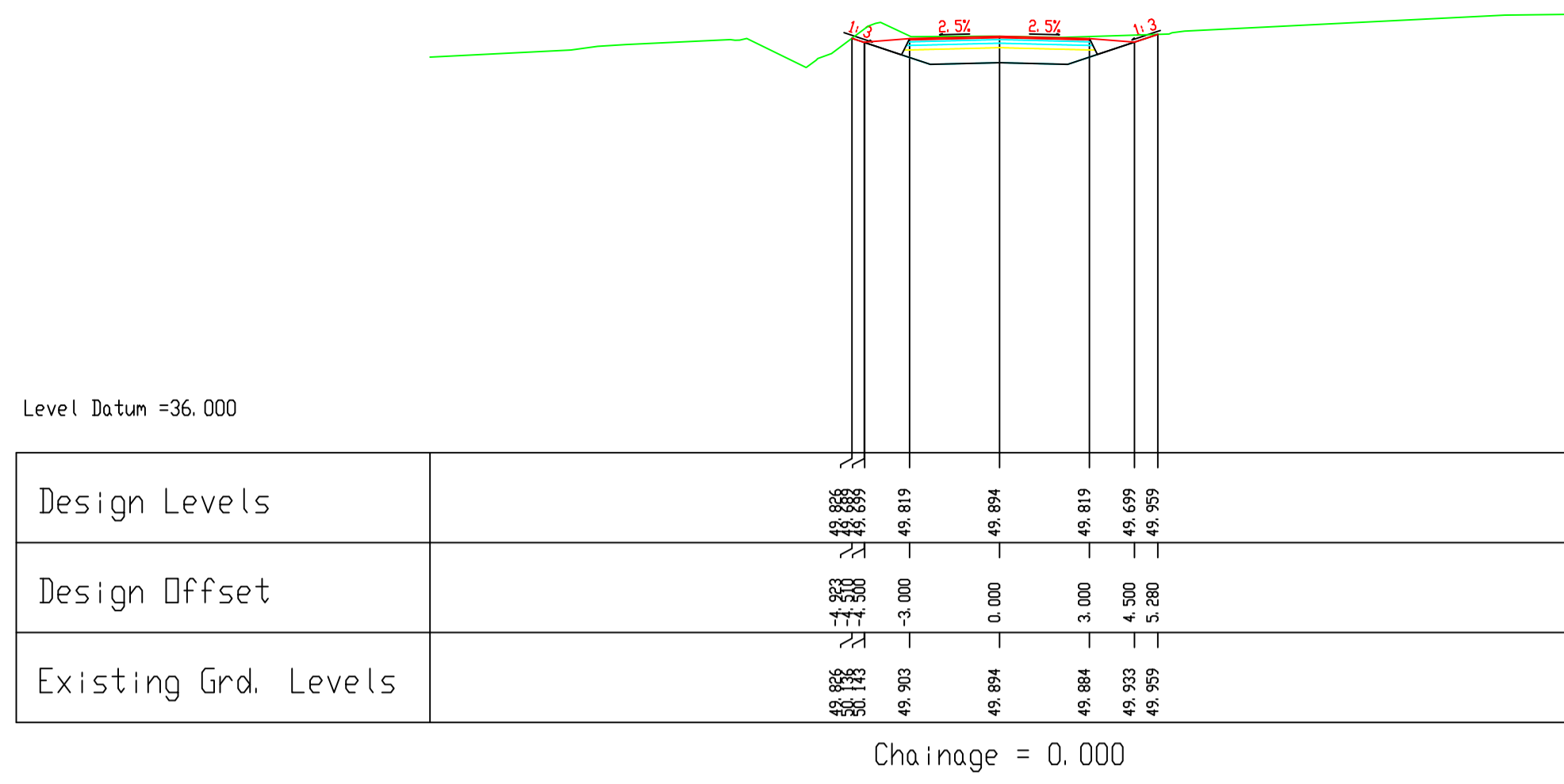
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	CS-20




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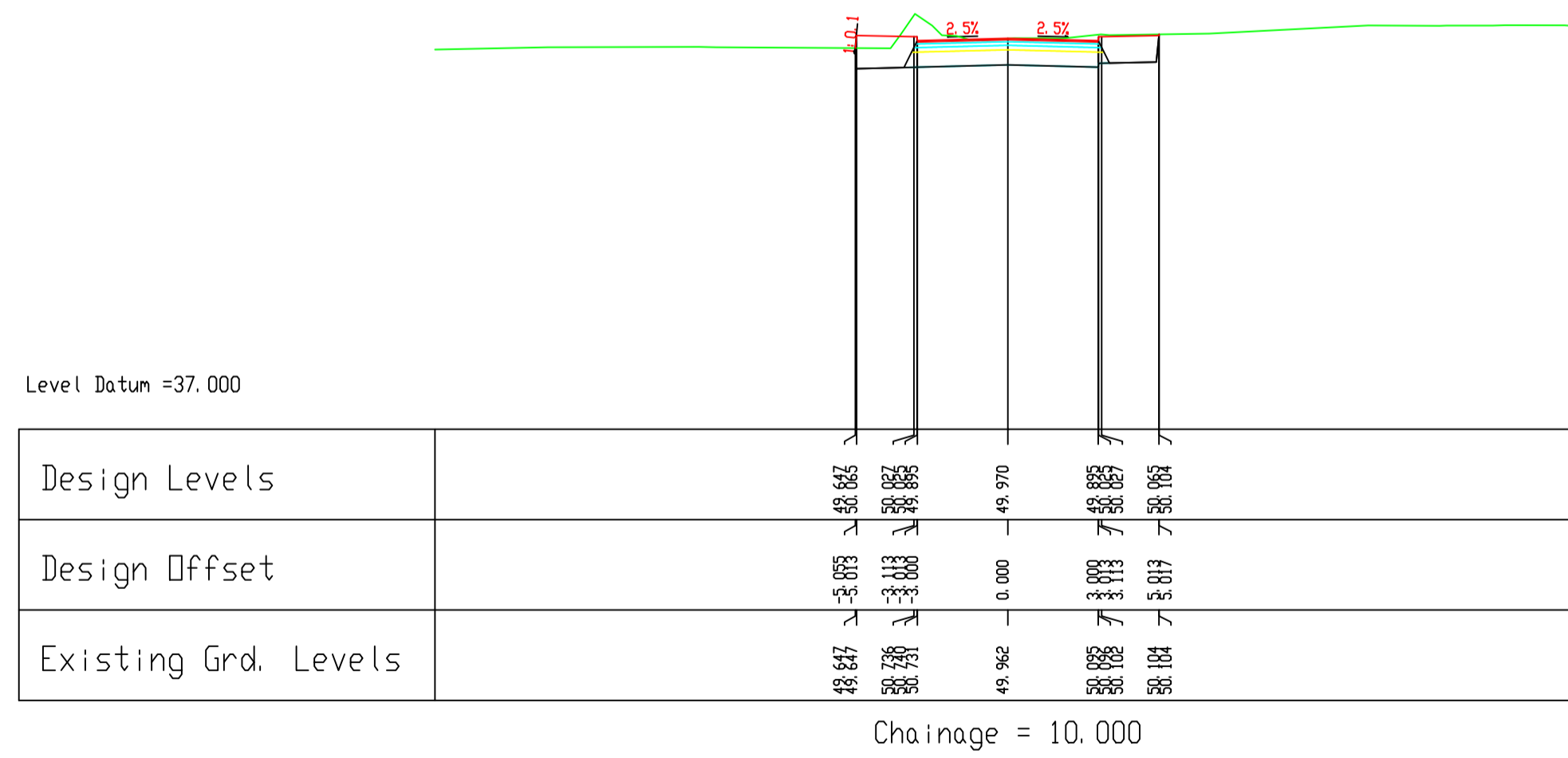
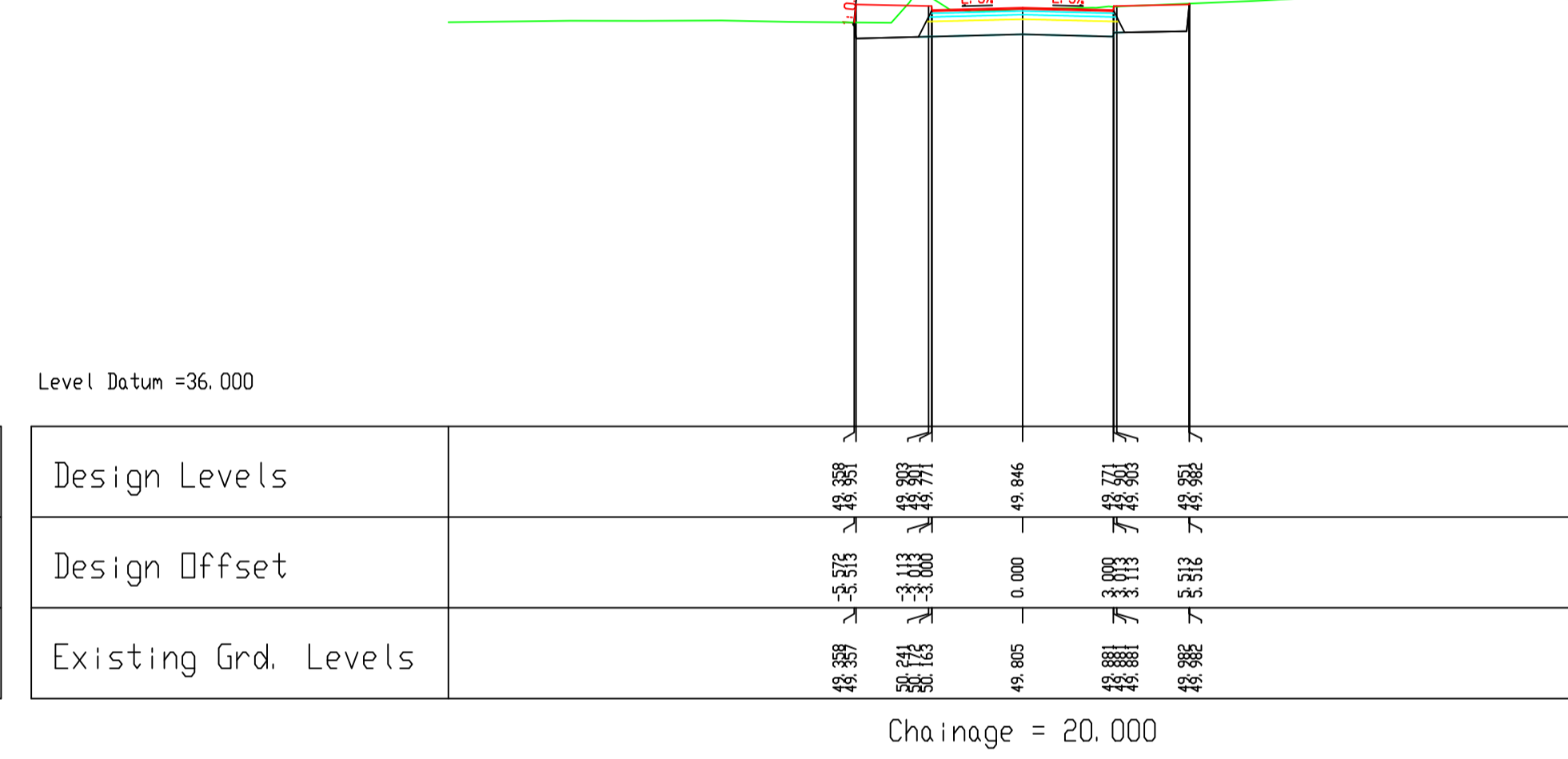
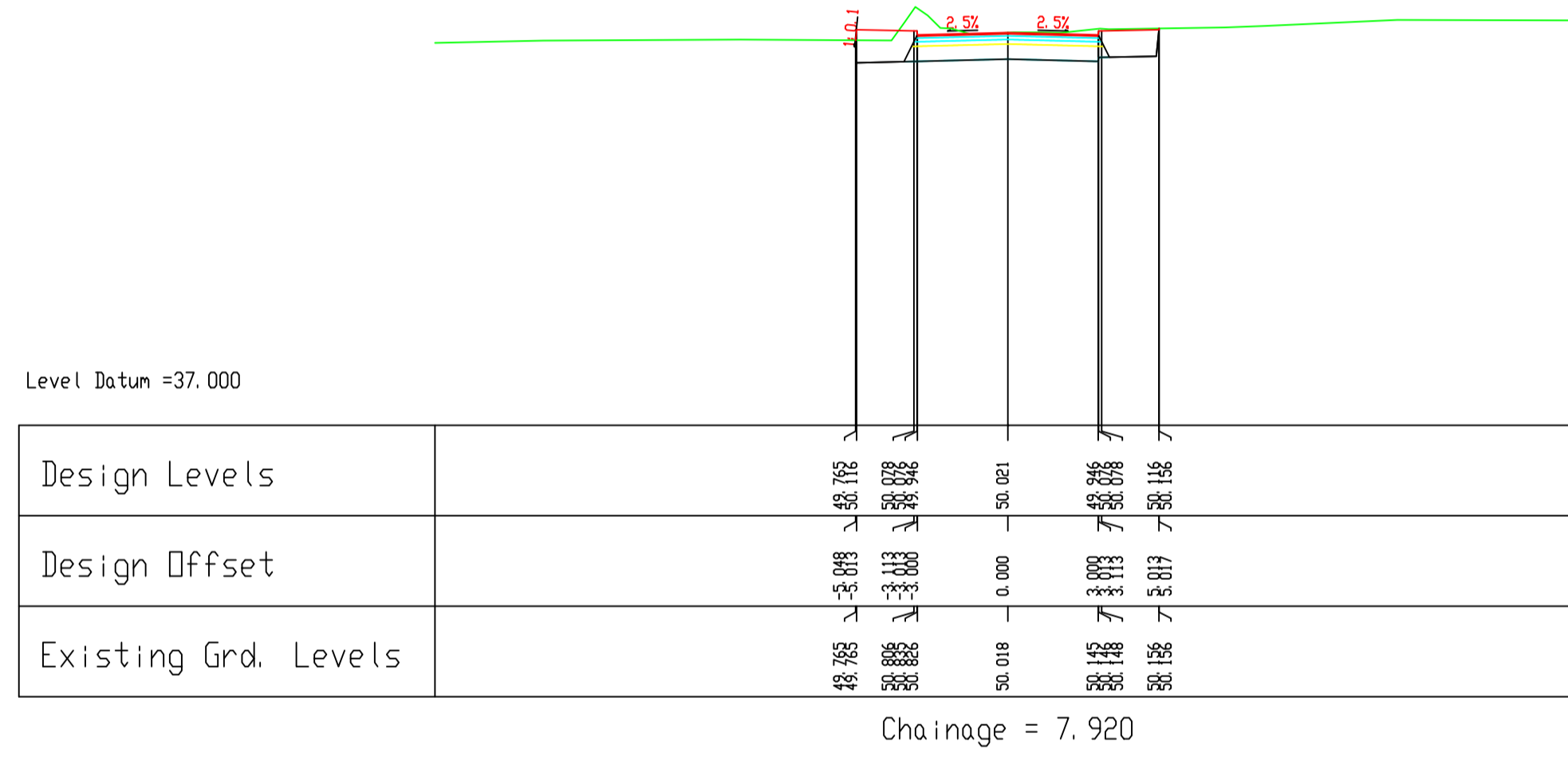
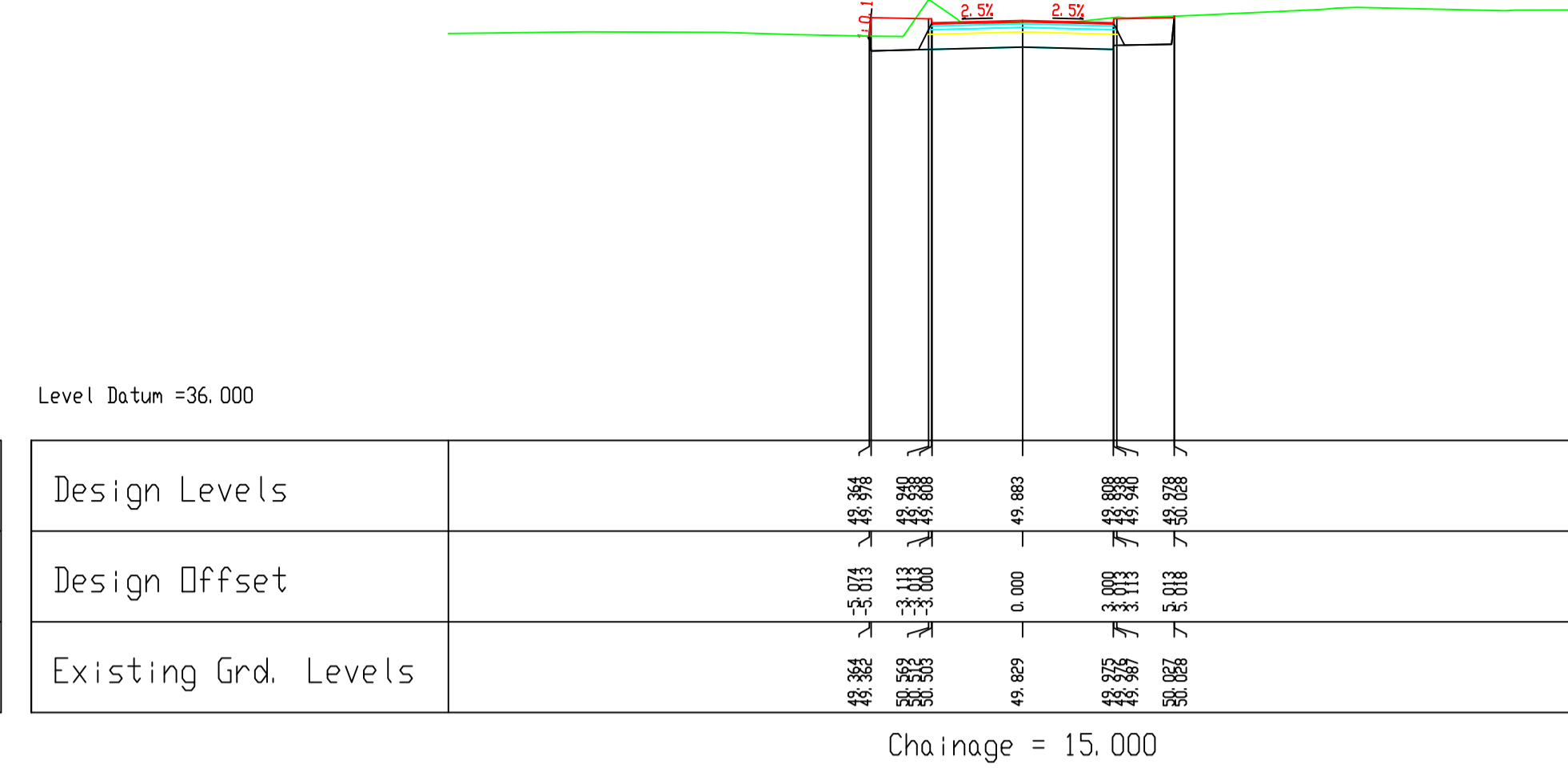
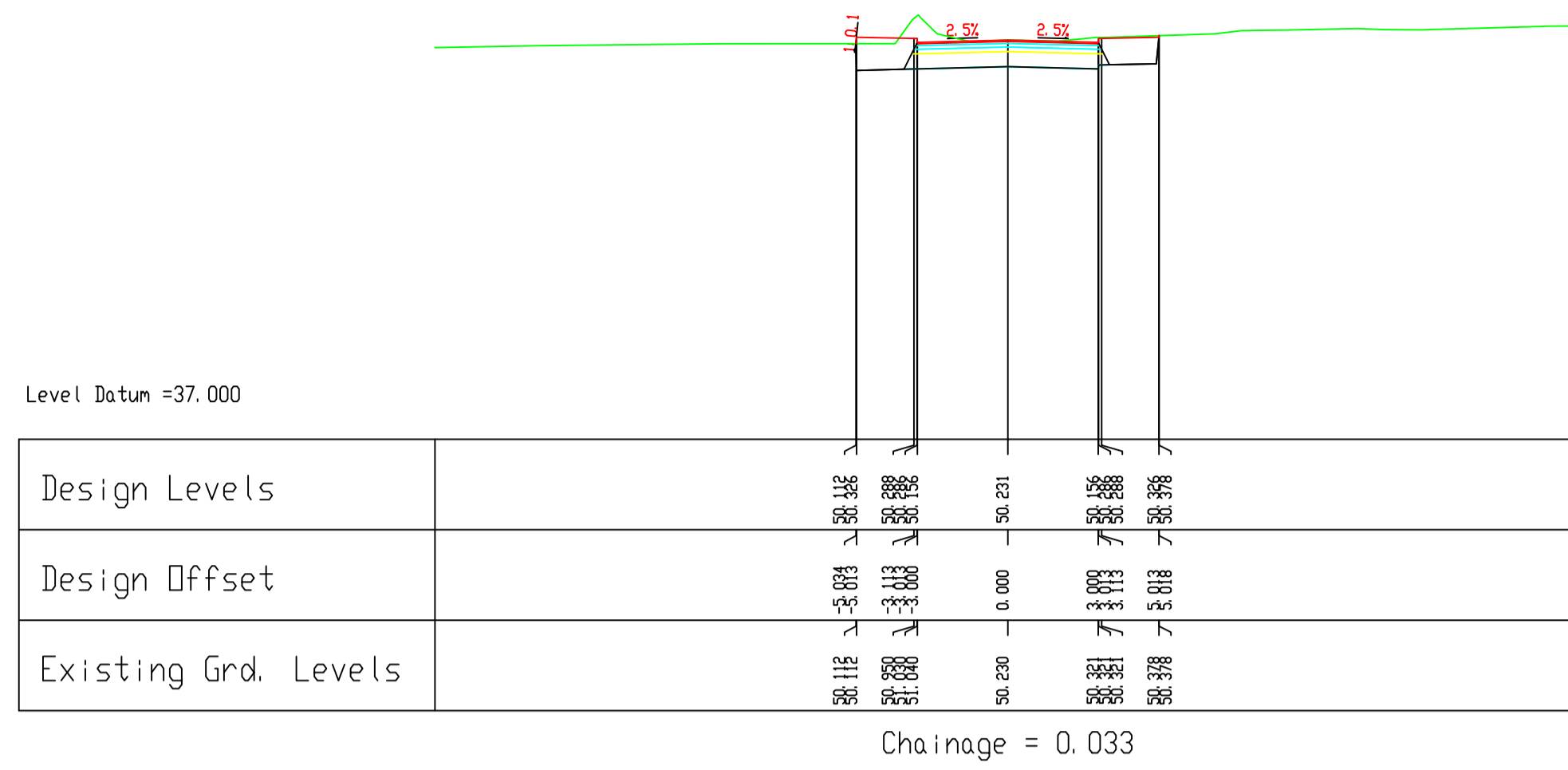
REVISION:	MADE BY:	DATE:

PROJECT	N17 Miltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Cross Sections-Side Road L6413		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
			DRAWING NO.: CS-21



REVISION:	MADE BY:	DATE:

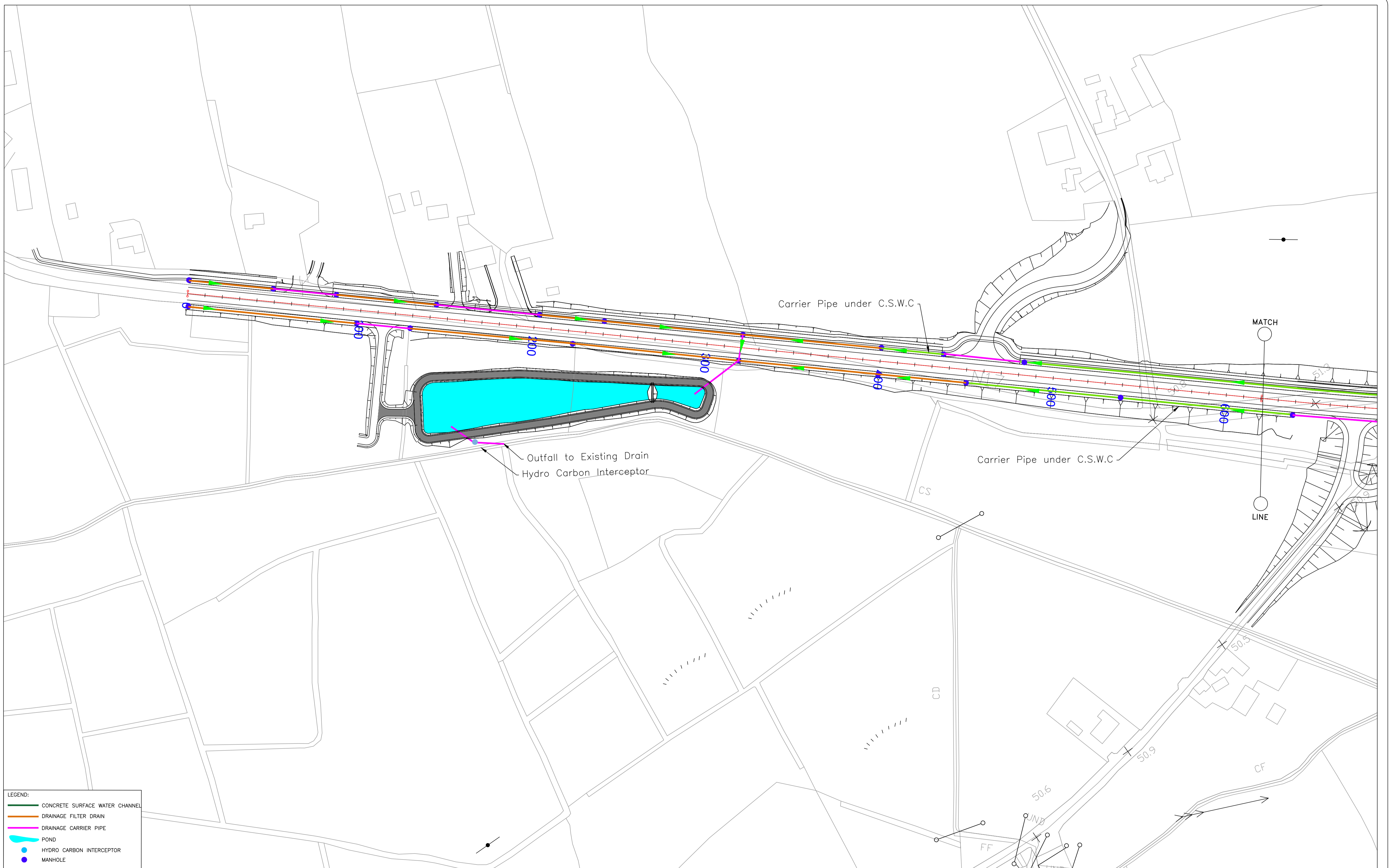
PROJECT	N17 Milltown to Gortnagunned		
COMPONENT:	Preliminary Design Drawings		
TITLE:	Cross Sections - Side Road L2208		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CS-22



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PROJECT	N17 Miltown to Gortnagunnd		
COMPONENT:	Preliminary Design Drawings		
TITLE:	Cross Sections-Side Road L64131		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:200 @ A1
CHECKED BY:	S.B.	DATE:	September 2021
			DRAWING NO.: CS-23



LEGEND:

	CONCRETE SURFACE WATER CHANNEL
	DRAINAGE FILTER DRAIN
	DRAINAGE CARRIER PIPE
	POND
	HYDRO CARBON INTERCEPTOR
	MANHOLE

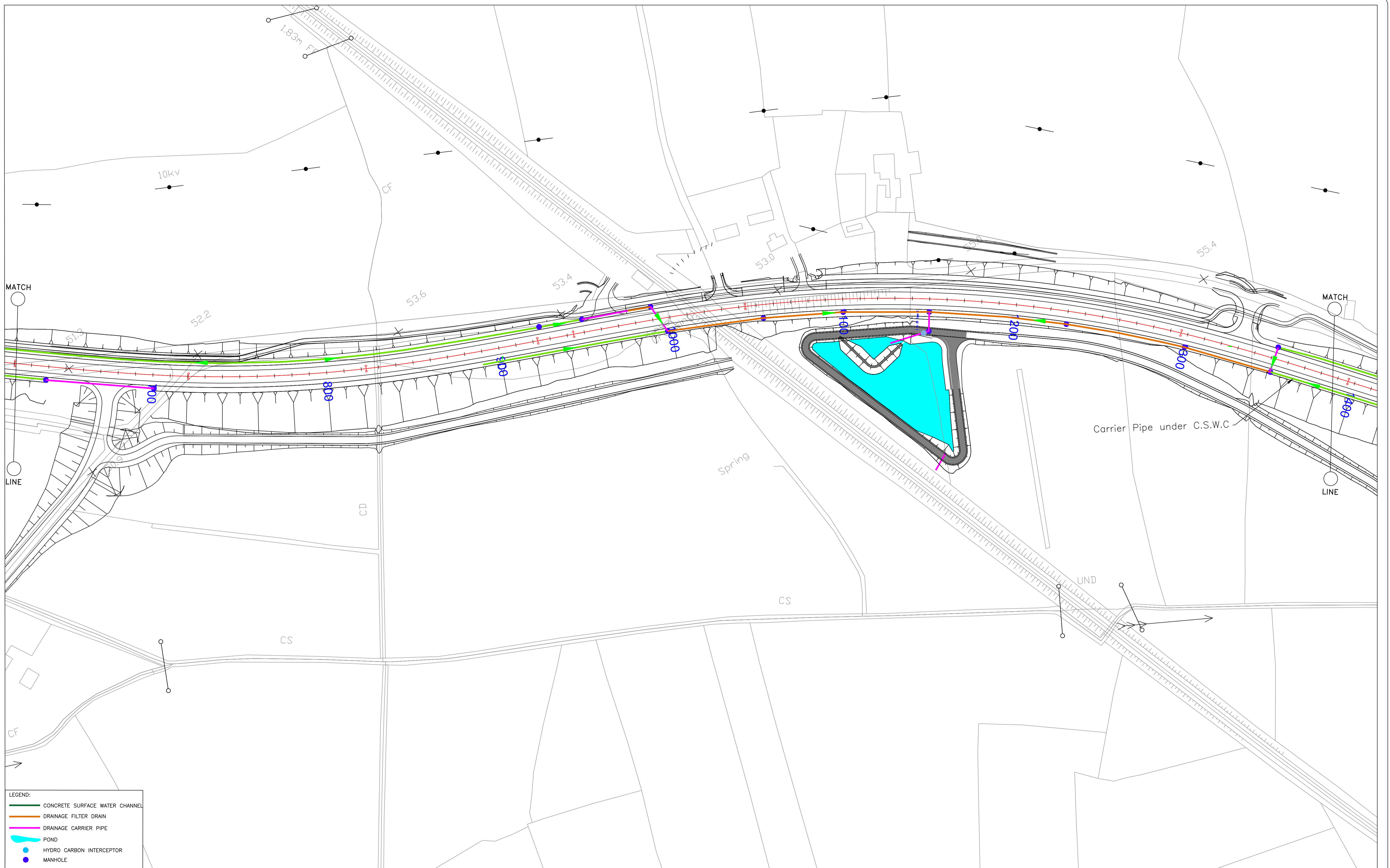
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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milton to Gortnagunne Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Pipe Layout Mainline CH0 - CH650		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DR-01



LEGEND:

	CONCRETE SURFACE WATER CHANNEL
	DRAINAGE FILTER DRAIN
	DRAINAGE CARRIER PIPE
	POND
	HYDRO CARBON INTERCEPTOR
	MANHOLE

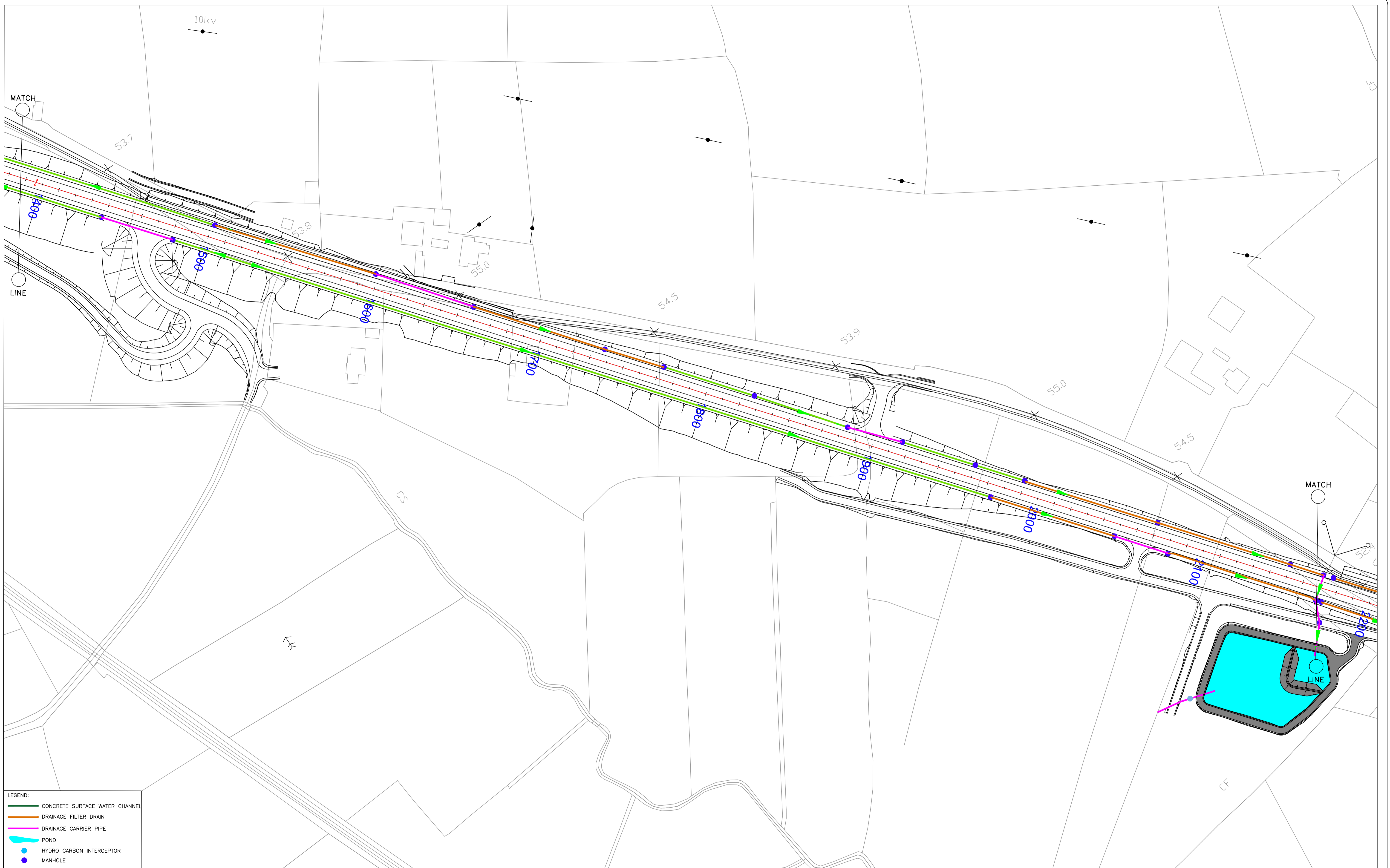
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REVISION:	MADE BY:	DATE:

PROJECT	N17 Miltown to Gortnagunnd Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Pipe Layout Mainline CH650 - CH1400		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DR-02

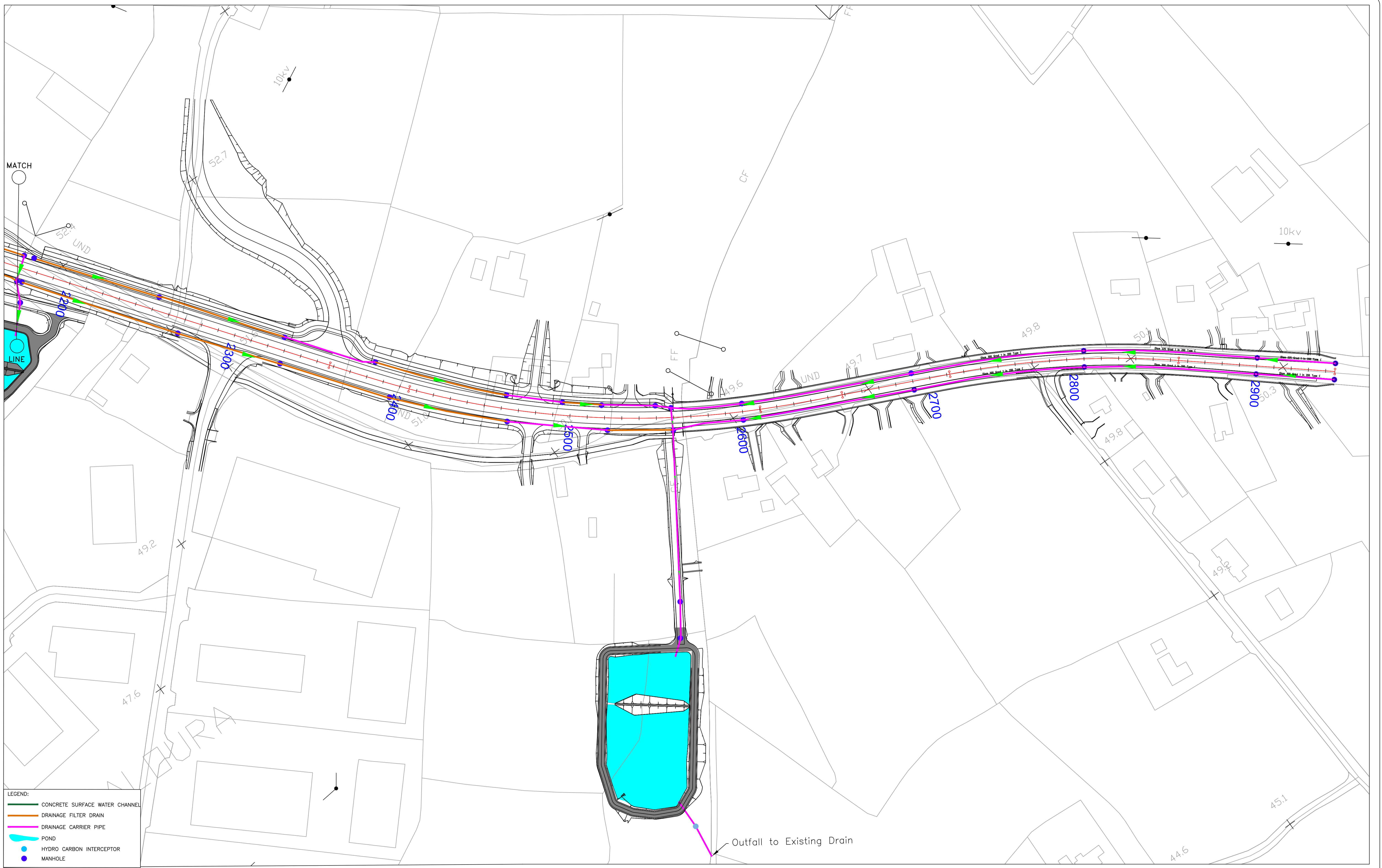


- LEGEND:
- CONCRETE SURFACE WATER CHANNEL
 - DRAINAGE FILTER DRAIN
 - DRAINAGE CARRIER PIPE
 - POND
 - HYDRO CARBON INTERCEPTOR
 - MANHOLE



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunned Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Pipe Layout Mainline CH1400 - CH2200		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DR-03

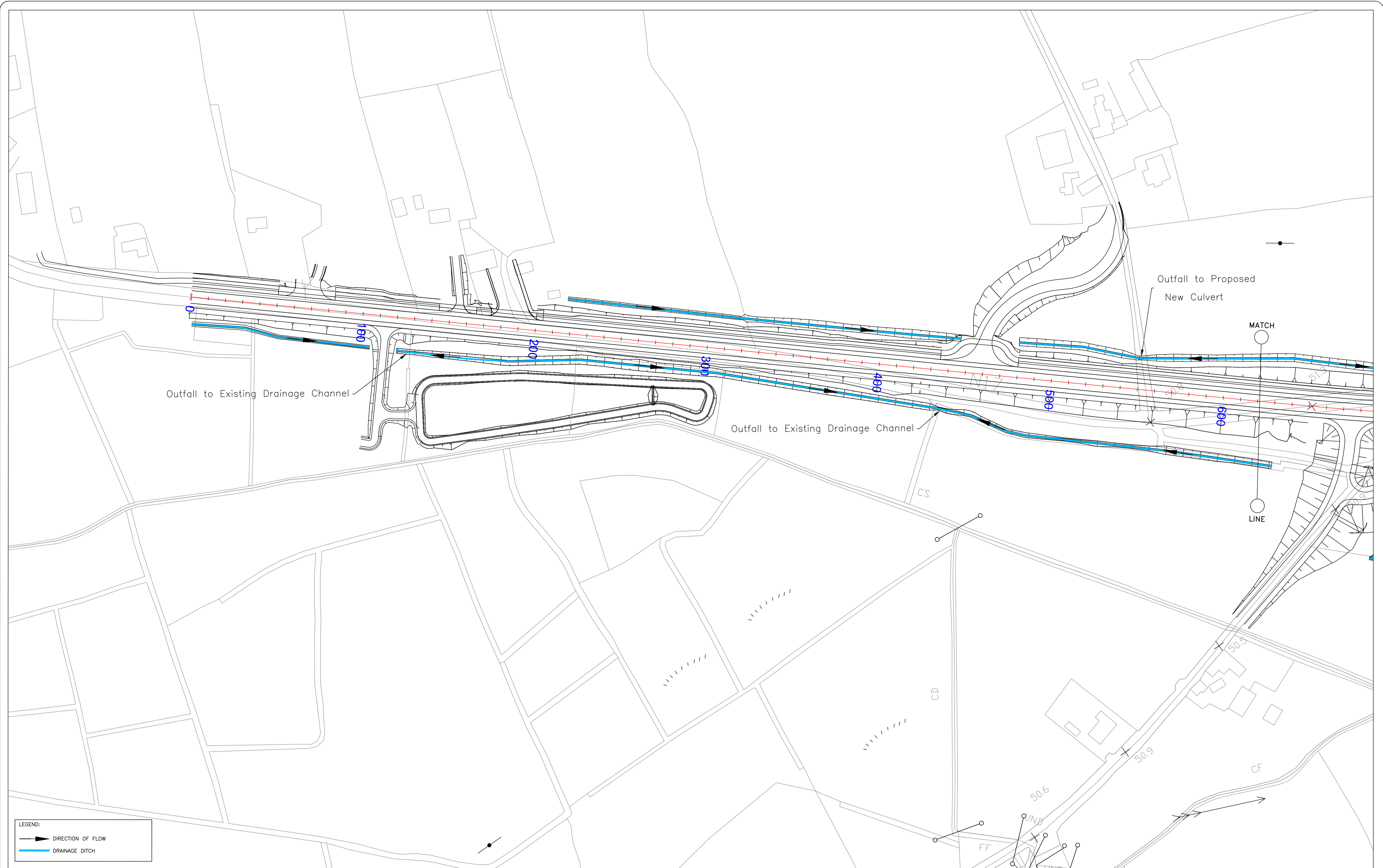


- LEGEND:
- CONCRETE SURFACE WATER CHANNEL
 - DRAINAGE FILTER DRAIN
 - DRAINAGE CARRIER PIPE
 - POND
 - HYDRO CARBON INTERCEPTOR
 - MANHOLE



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunna Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Pipe Layout Mainline CH2200 - CH2945		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DR-04

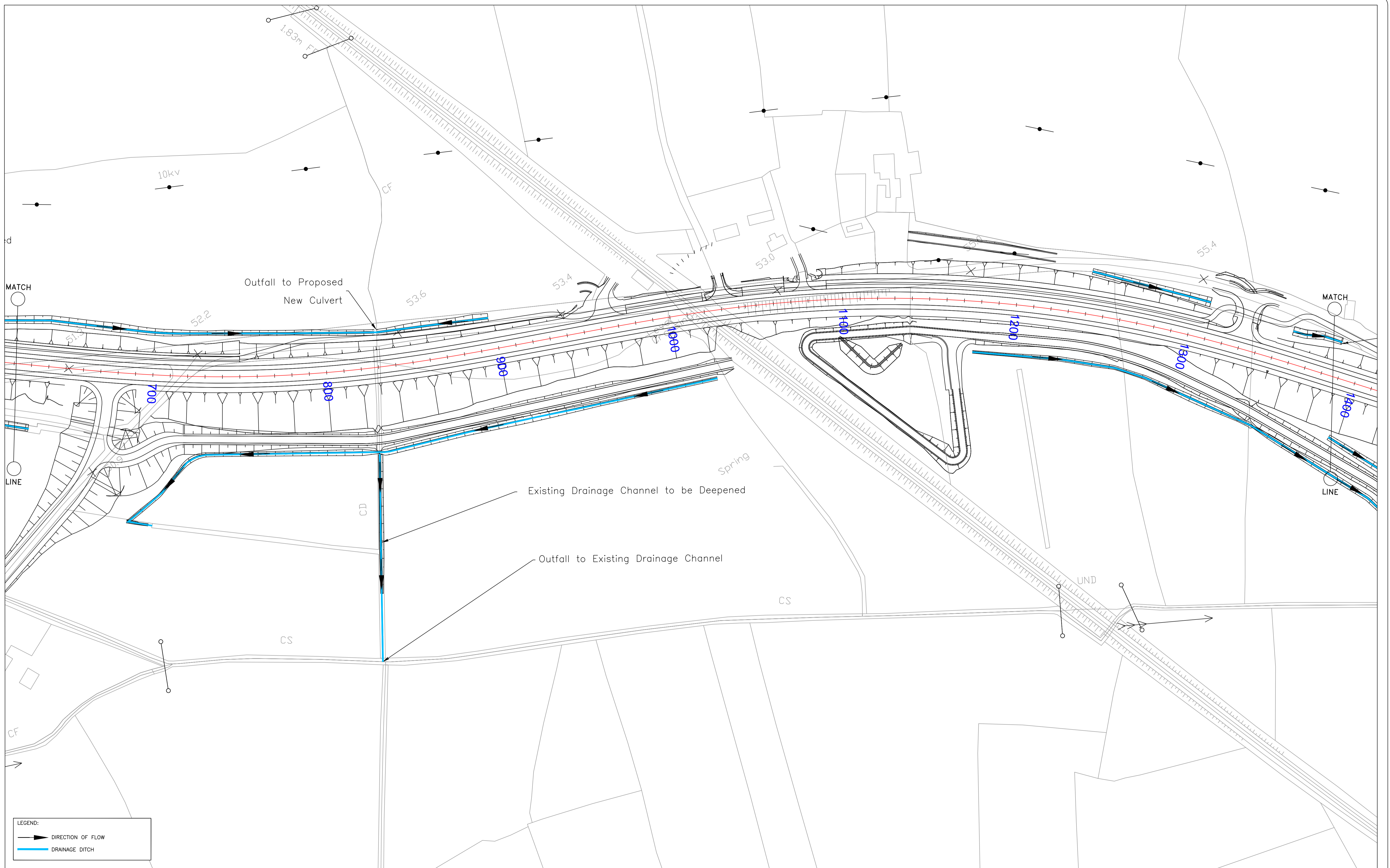


LEGEND:
 —▶— DIRECTION OF FLOW
 — DRAINAGE DITCH



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltonown to Gortnagunned Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Open Drain Layout Mainline CH0 - CH650		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	OD-01

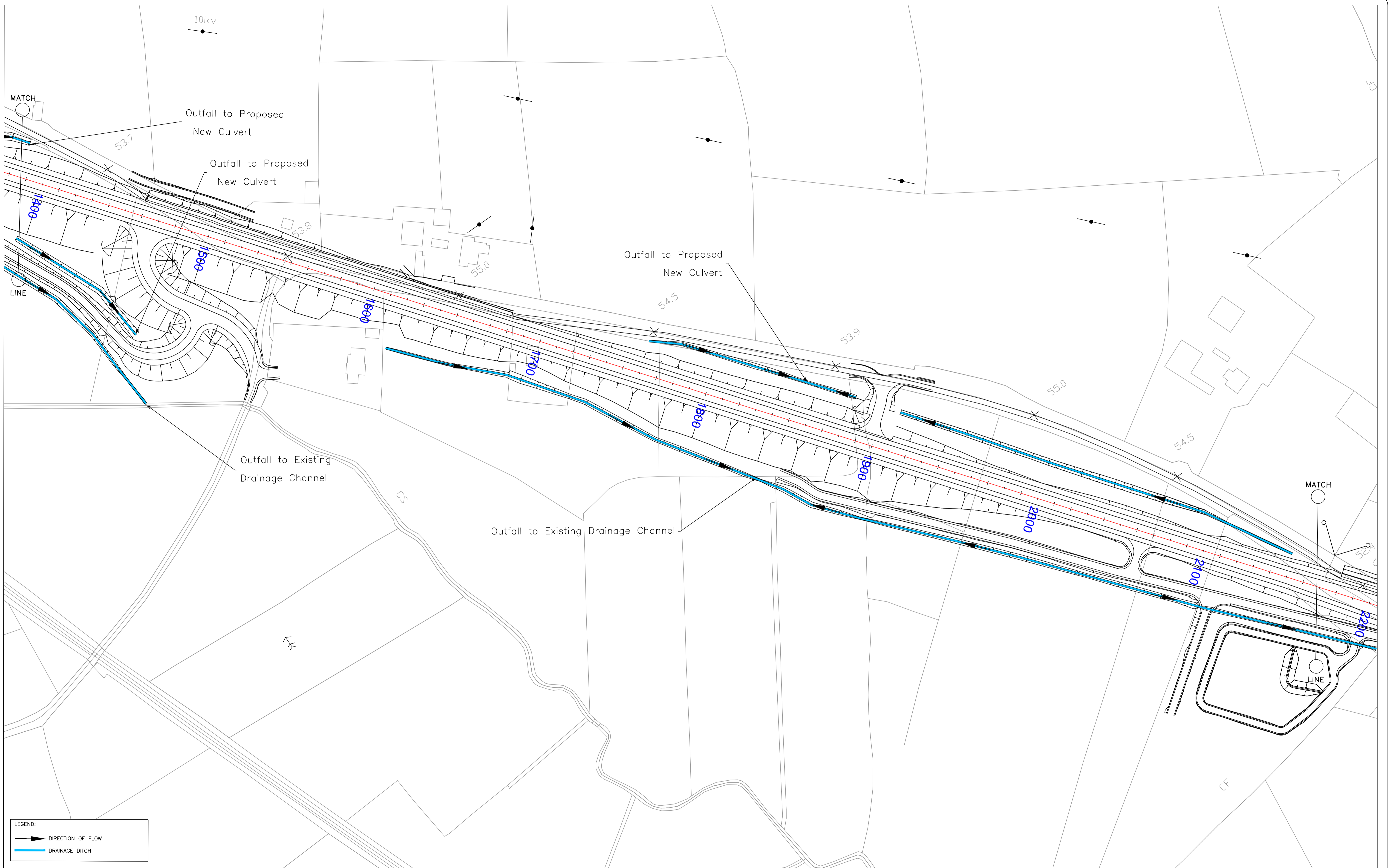


LEGEND:
 —▶— DIRECTION OF FLOW
 — DRAINAGE DITCH



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunnd Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Open Drain Layout Mainline CH650 - CH1400		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			OD-02

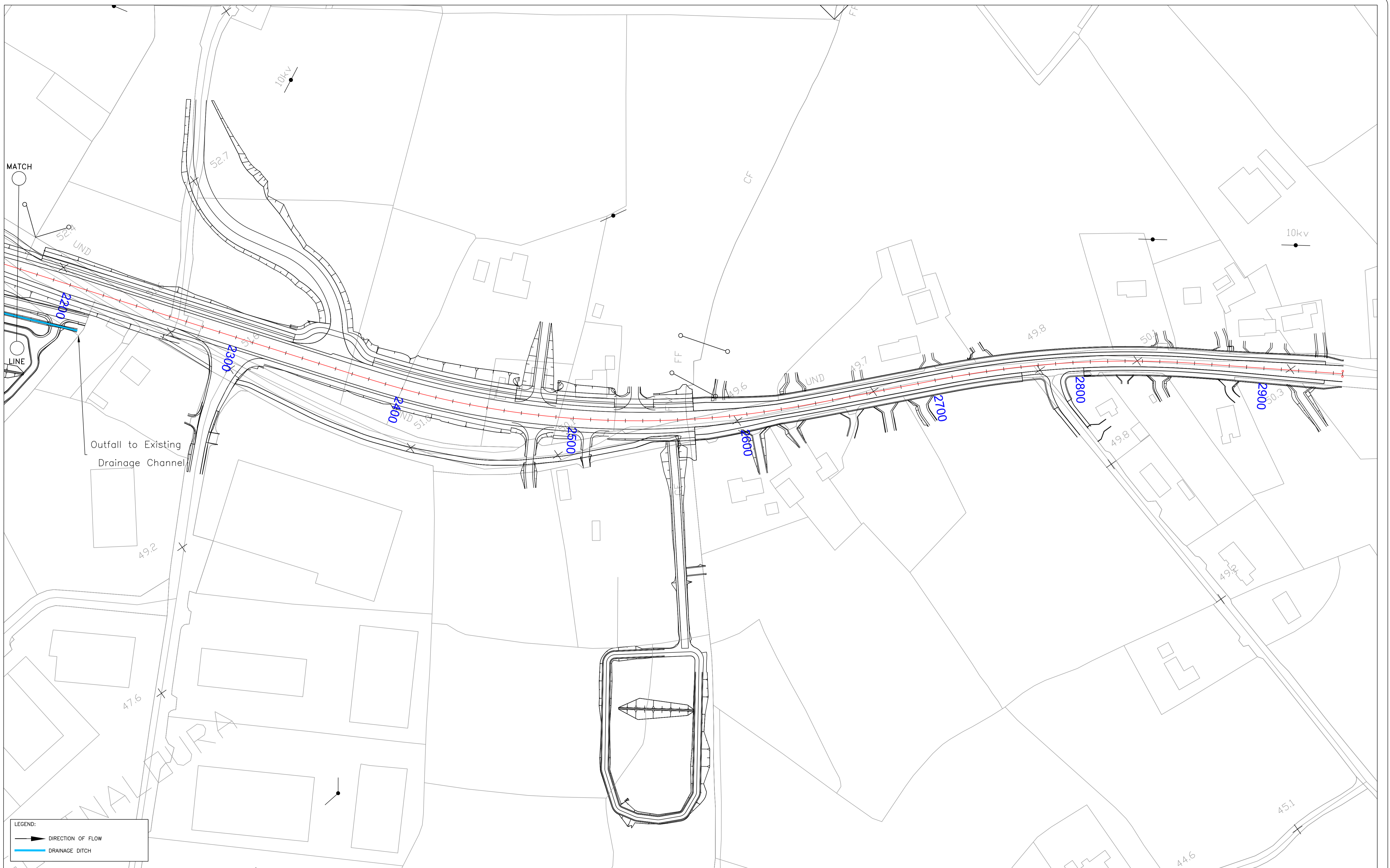


LEGEND:
 —▶— DIRECTION OF FLOW
 ——— DRAINAGE DITCH



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunnd Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Open Drain Layout Mainline CH1400 - CH2200		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
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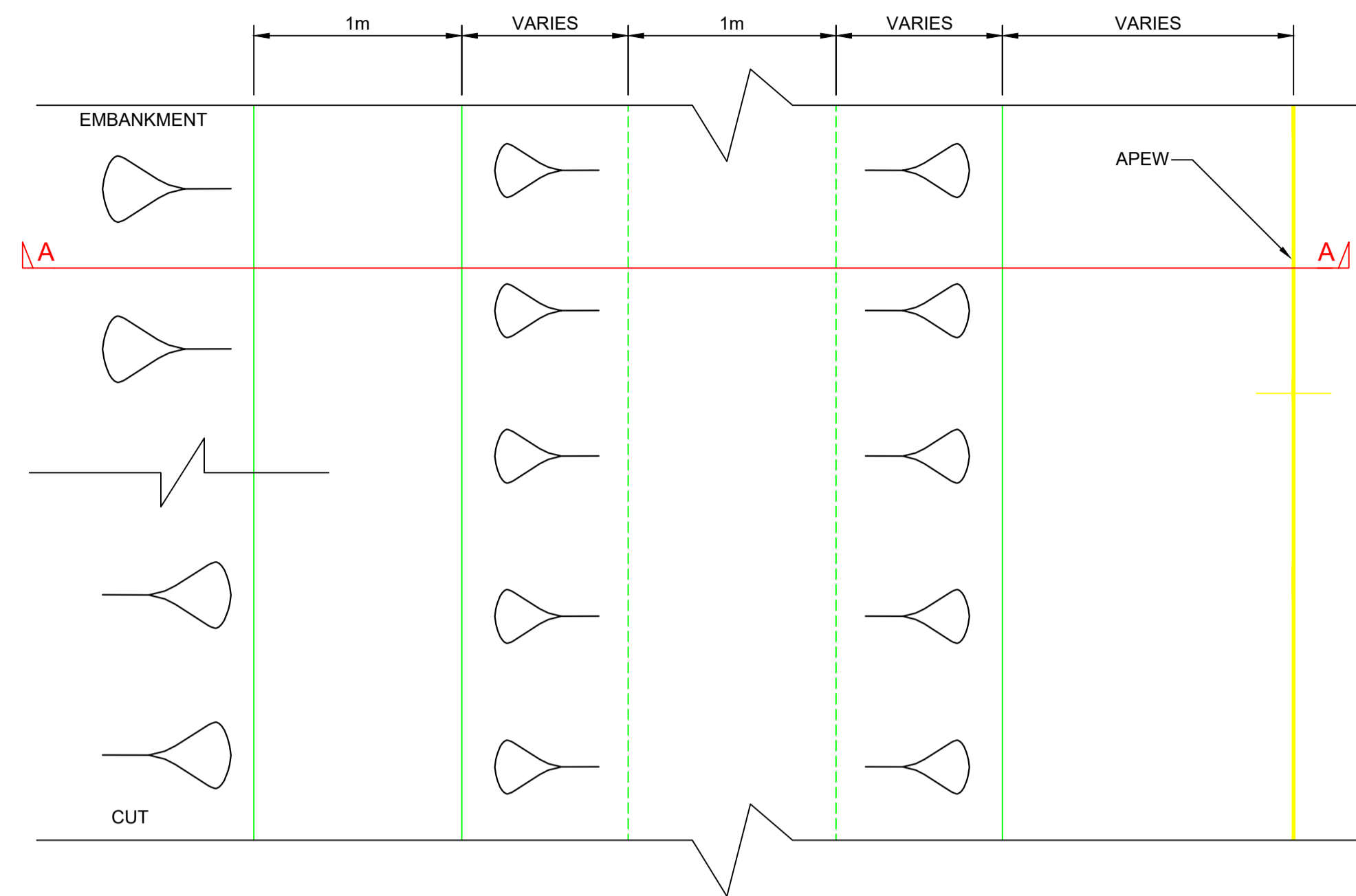


LEGEND:
 DIRECTION OF FLOW
 DRAINAGE DITCH

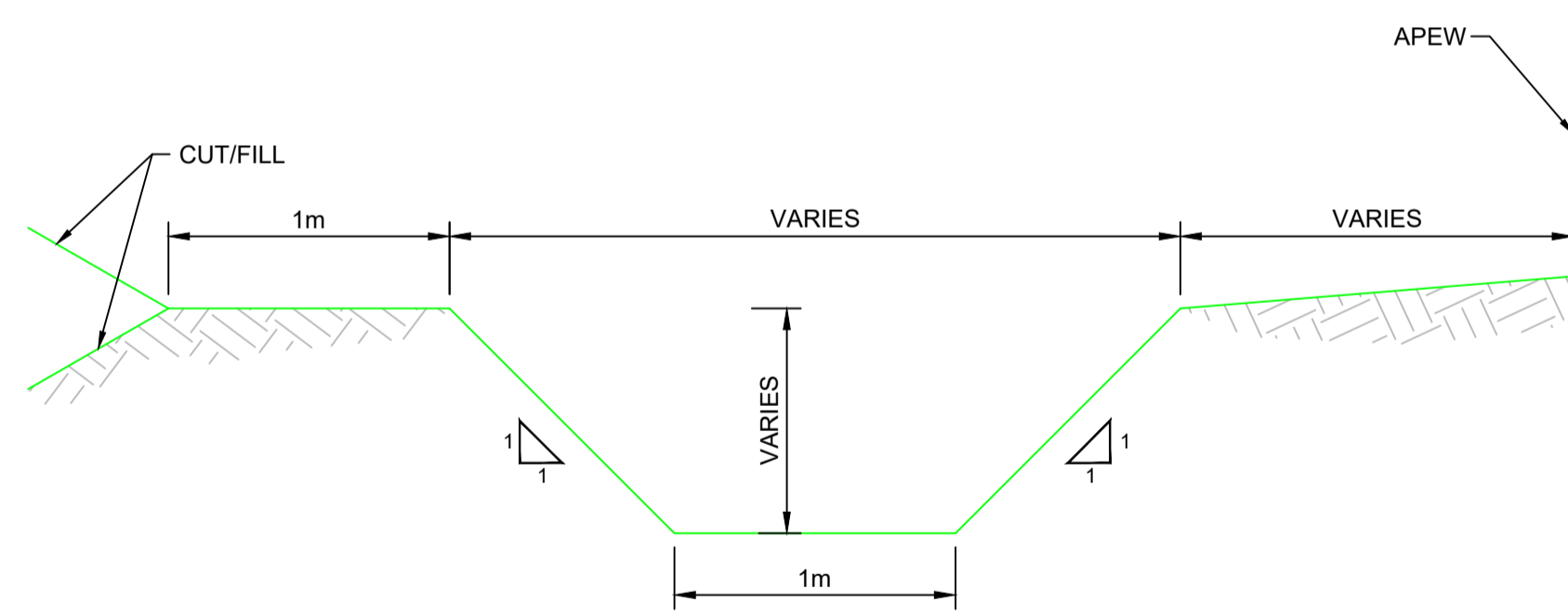
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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunna Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Open Drain Layout Mainline CH2200 - CH2945		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
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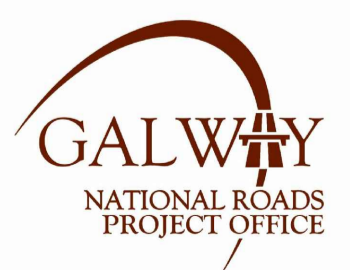


INTERCEPTOR DITCH - 1.0 m WIDE - PLAN



INTERCEPTOR DITCH - 1000mm - SECTION A-A

- NOTES:**
1. DRAWING IS INDICATIVE ONLY. SIZE TO BE DETERMINED AFTER ON SITE INFILTRATION TEST.
 2. INSPECTION WELLS SHOULD BE PROVIDED EVERY 25 METERS ALONG SOAKAWAY.
 3. WHERE SWALES ARE TO DISCHARGE TO A SOAKAWAY A HEADWALL WITH OUTLET PIPE SHOULD BE PROVIDED.

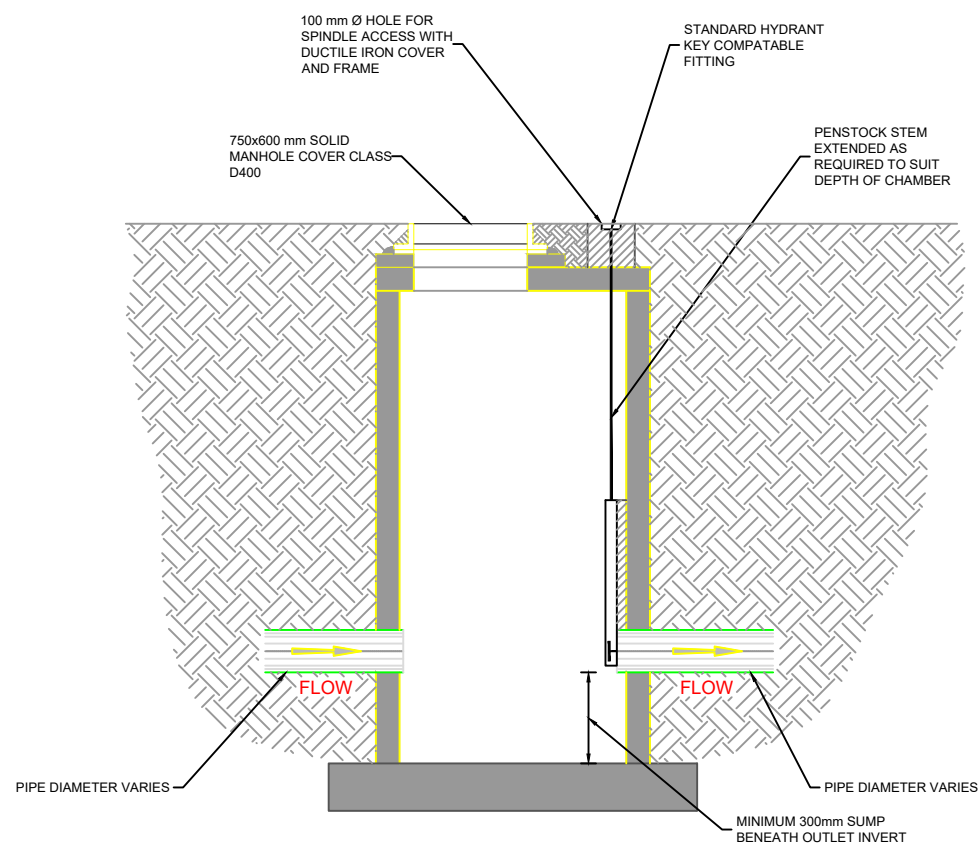
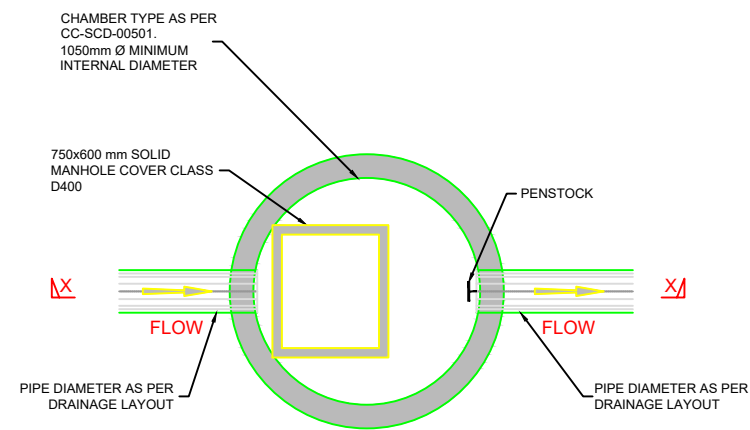


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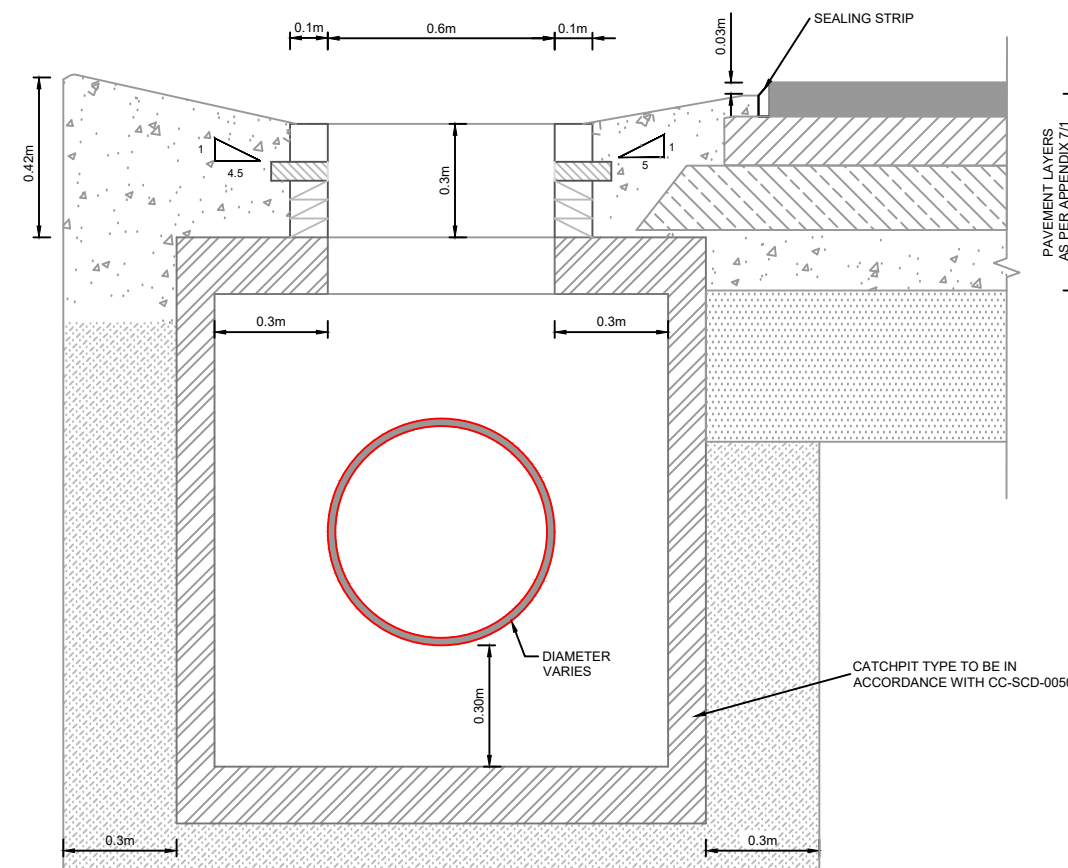
National Roads Design Office,
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Ballybrit Business Park,
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REVISION:	MADE BY:	DATE:

PROJECT	N17 Miltown to Gortnagunned Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Details		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	As Shown
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DD-01



CHAMBER WITH PENSTOCK
Scale 1:10 @ A1 ; 1:20 @ A3



CSWC CROSS SECTION AT CATCHPIT
Scale 1:10 @ A1 ; 1:20 @ A3

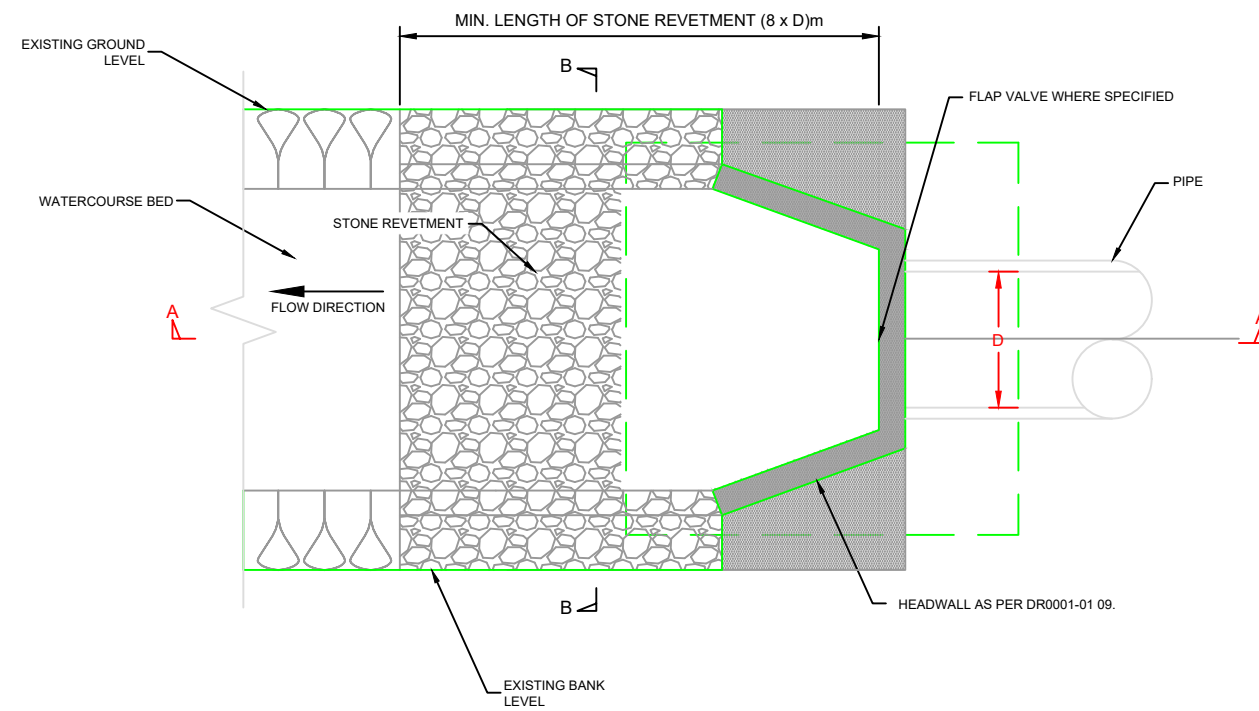


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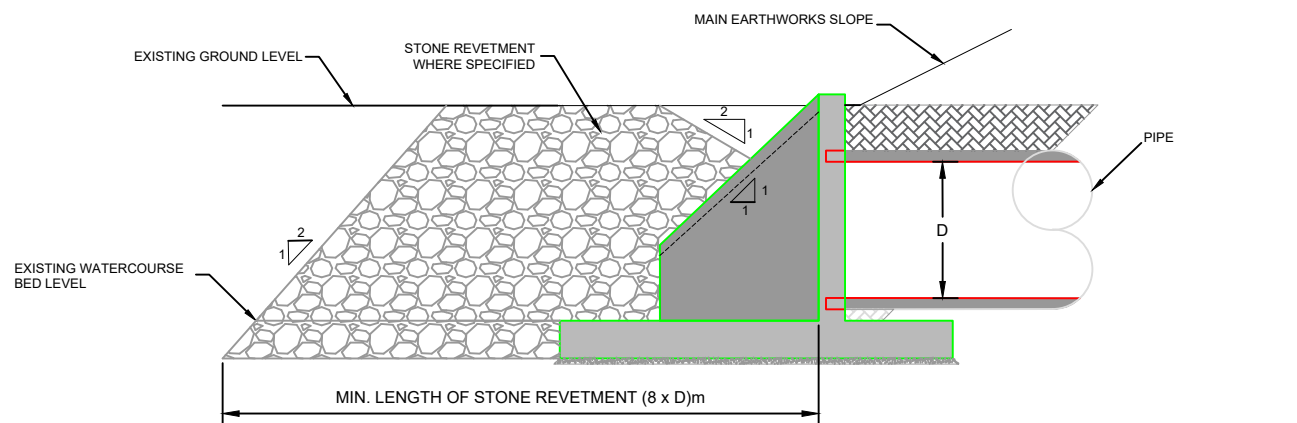
National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
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REVISION:	MADE BY:	DATE:

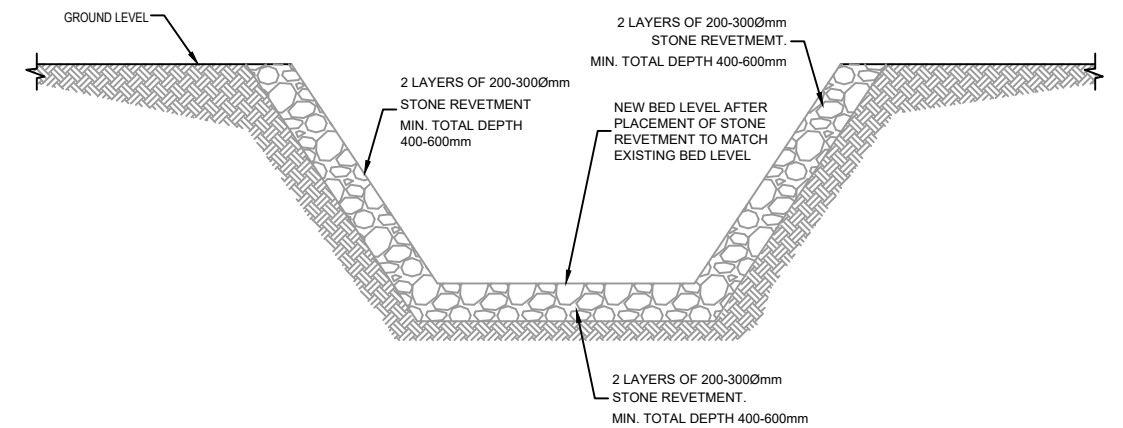
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COMPONENT:	Design Drawings		
TITLE:	Drainage Details		
DESIGNED BY:	M.E.	FILE NO.:	
DRAWN BY:	M.E.	SCALE:	As Shown
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	DD-02



STONE REVETMENT AT CONCRETE HEADWALLS
PLAN NOT TO SCALE



STONE REVETMENT AT CONCRETE HEADWALLS
SECTION A-A NOT TO SCALE



STONE REVETMENT AT CONCRETE HEADWALLS
SECTION B-B NOT TO SCALE

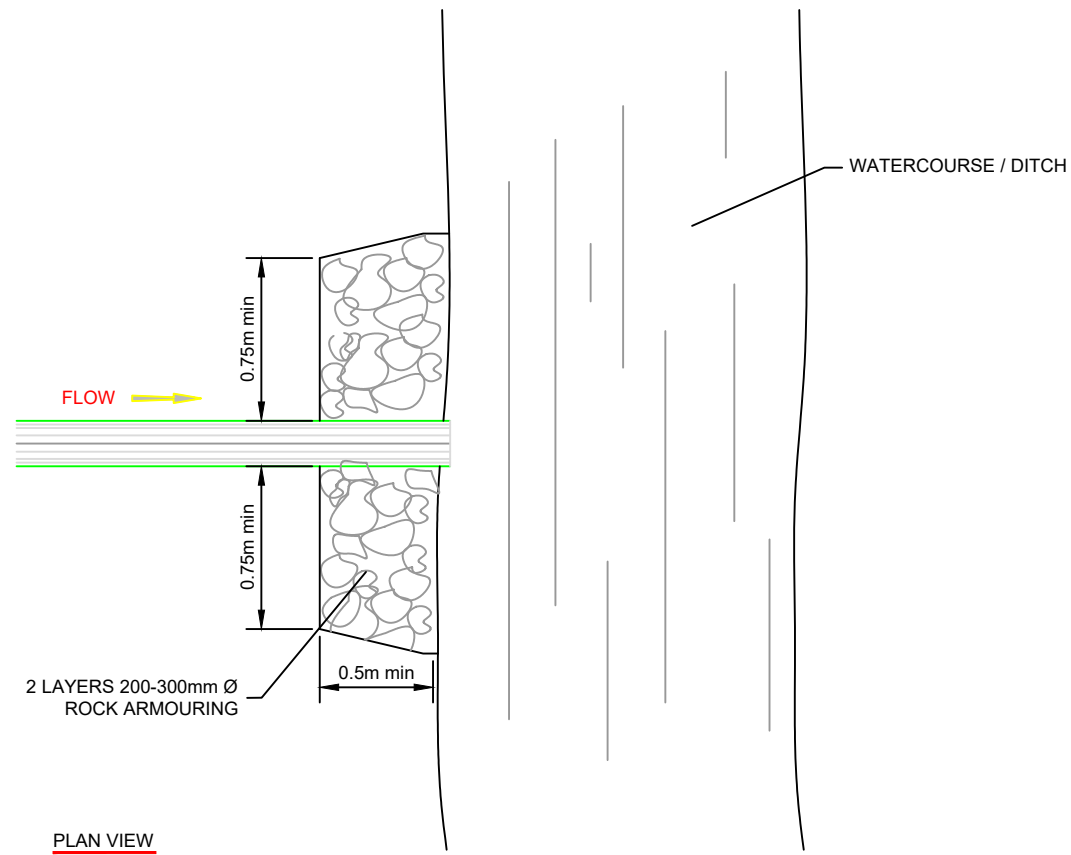


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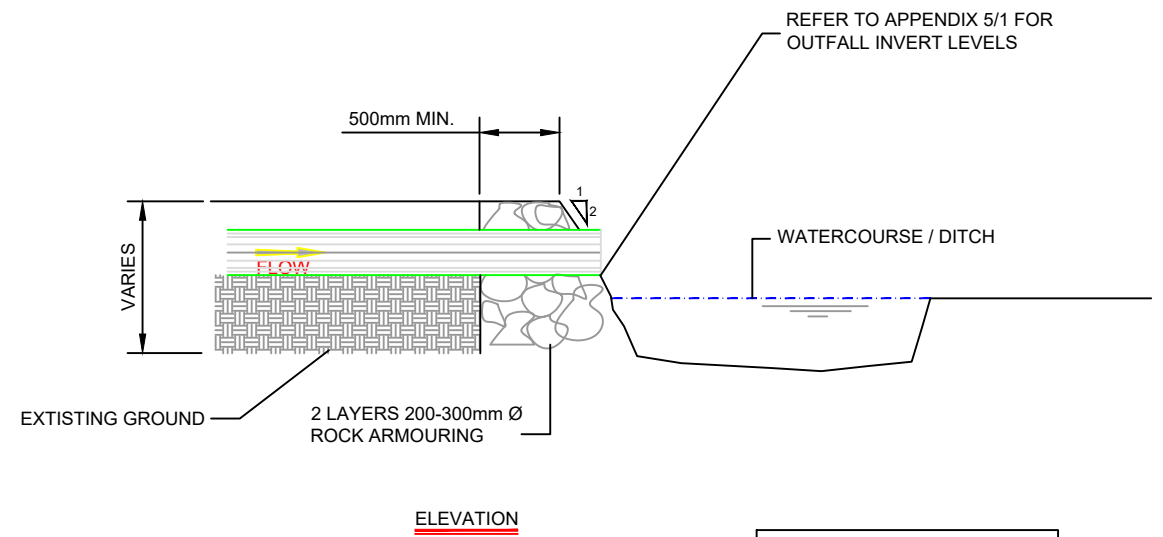
National Roads Design Office,
 Galway County Council,
 Corporate House,
 Ballybrit Business Park,
 Galway.

REVISION:	MADE BY:	DATE:

PROJECT N17 Miltown to Gortnagunned Realignment Scheme			
COMPONENT: Design Drawings			
TITLE: Drainage Details			
DESIGNED BY: M.E.	FILE NO.:		
DRAWN BY: M.E.	SCALE: As Shown	DRAWING NO.:	DD-03
CHECKED BY: S.B.	DATE: November 2021		



PIPED OUTFALLS WITH ROCK ARMOUR
PLAN NOT TO SCALE



NOTE:
ROCK ARMOUR DETAIL TO BE
CONSTRUCTED AT ALL PIPED
OUTFALLS

PIPED OUTFALLS WITH ROCK ARMOUR
ELEVATION NOT TO SCALE

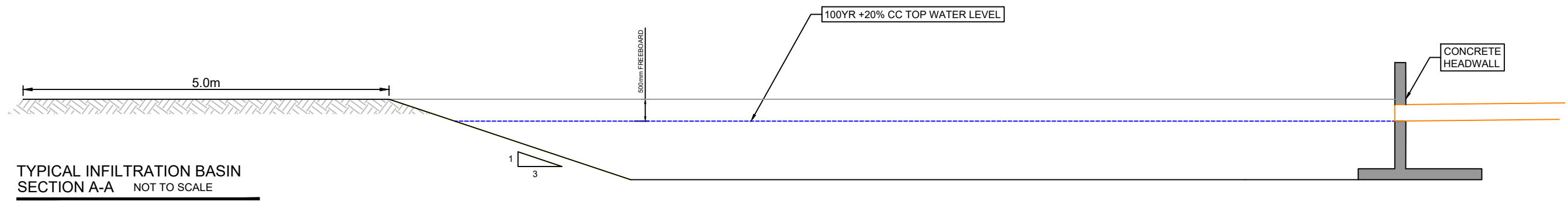
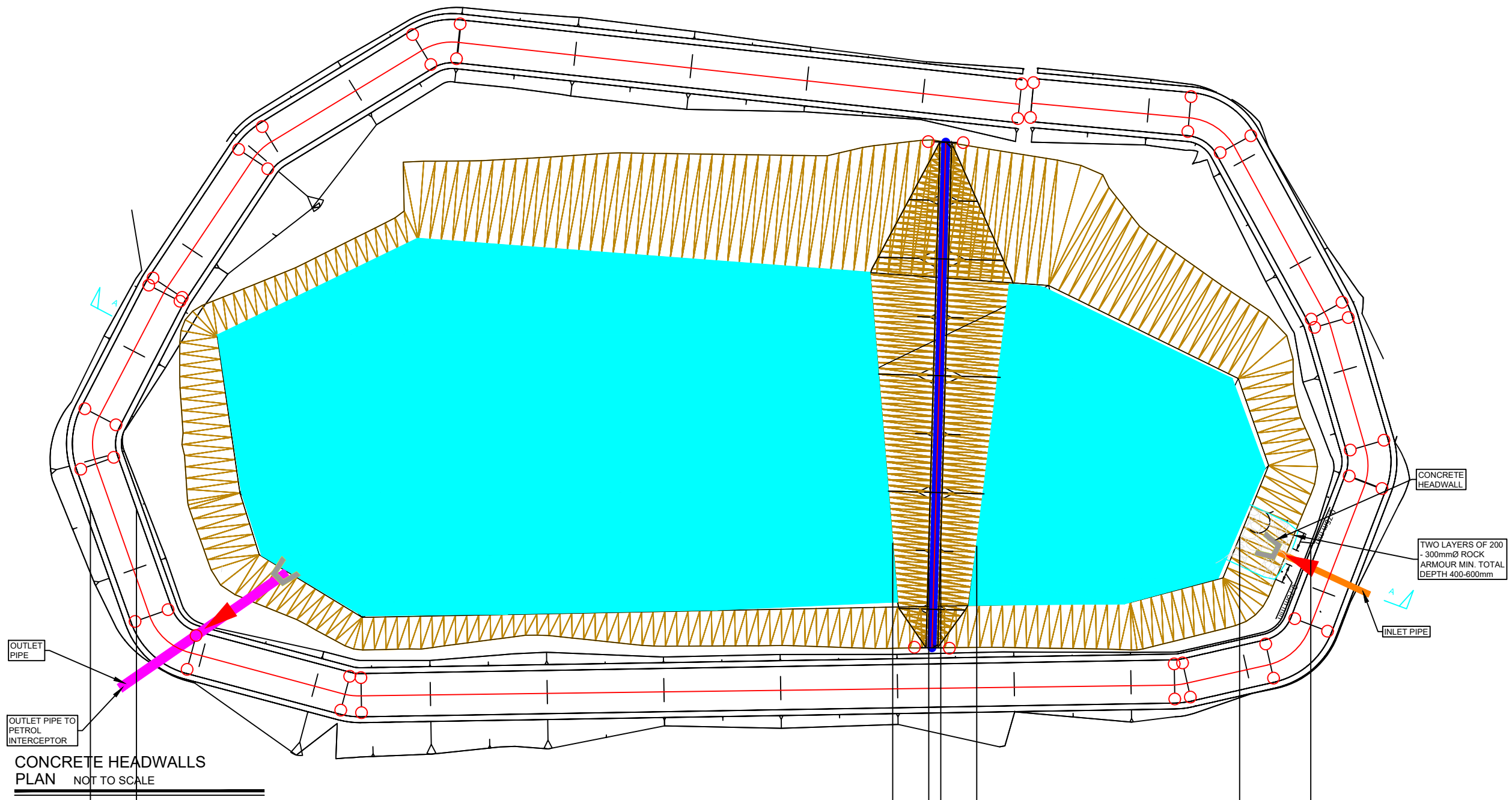


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Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Miltown to Gortnagunned Realignment Scheme			
COMPONENT: Design Drawings			
TITLE: Drainage Details			
DESIGNED BY: M.K.	FILE NO.:		
DRAWN BY: M.K.	SCALE: As Shown	DRAWING NO.: DD-04	
CHECKED BY: S.B.	DATE: November 2021		

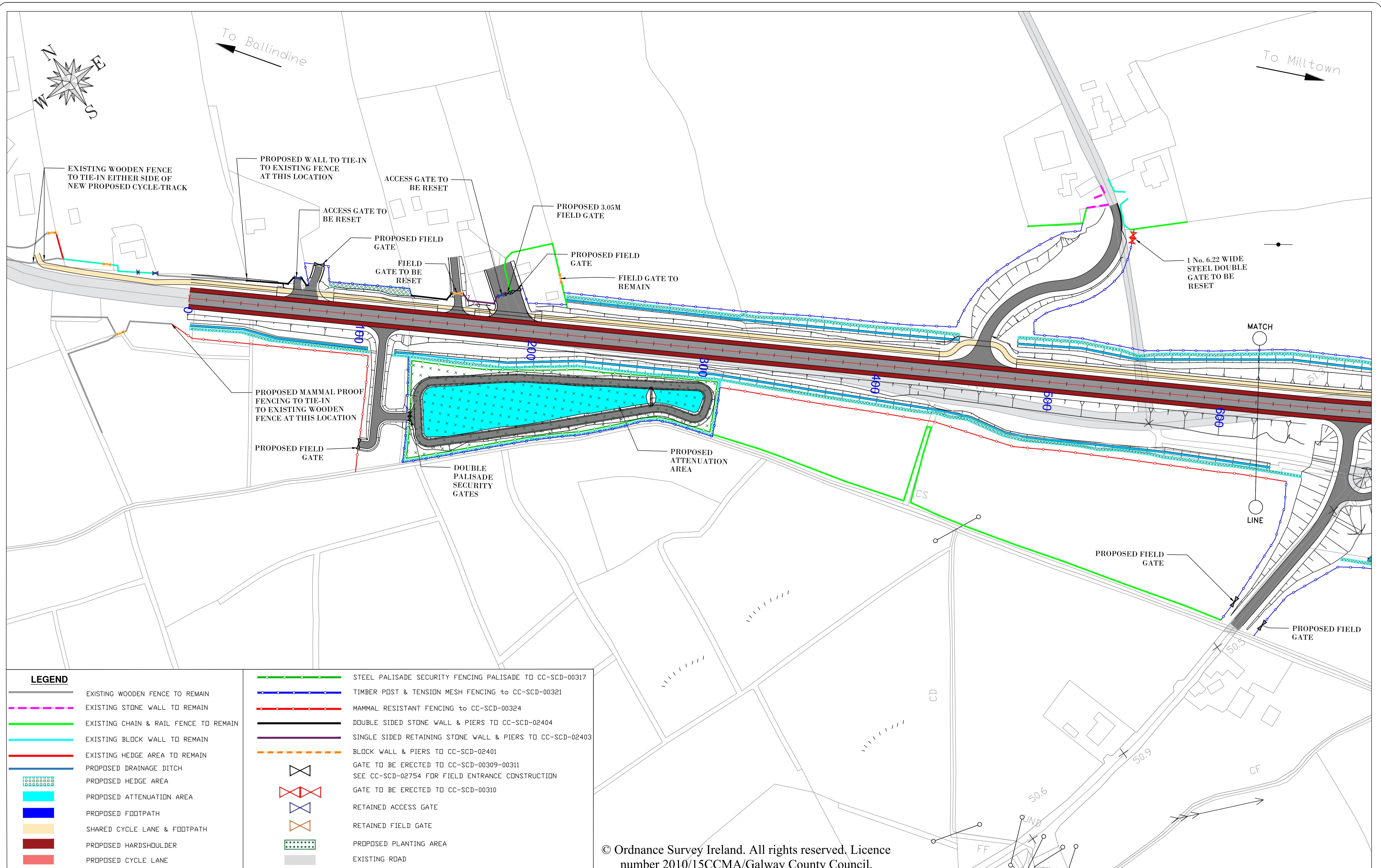


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Galway.

REVISION:	MADE BY:	DATE:

PROJECT	N17 Miltown to Gortnagunned Realignment Scheme		
COMPONENT:	Design Drawings		
TITLE:	Drainage Details		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALE:	As Shown
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			DD-05

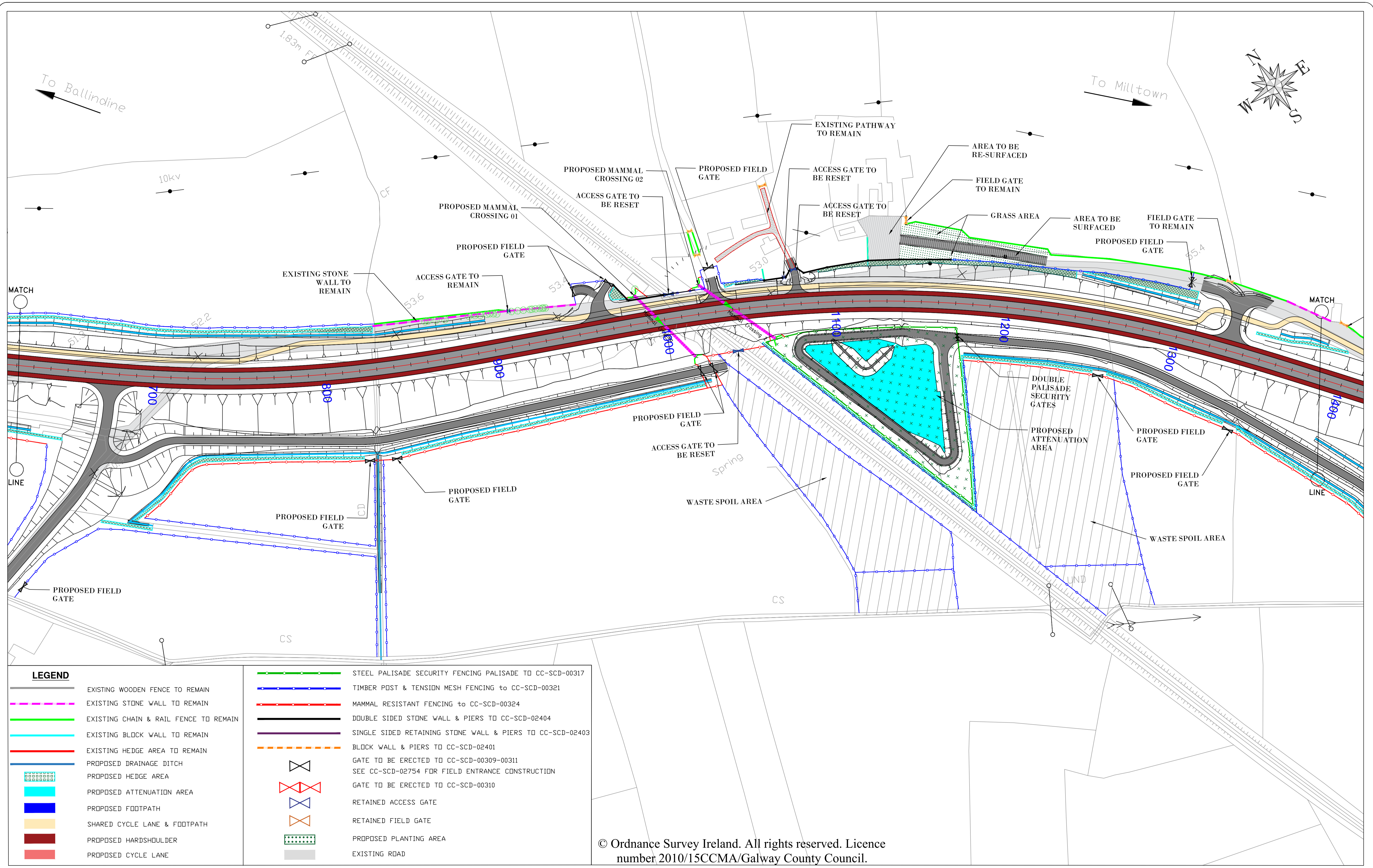


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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Accommodation Drawings Layout CH0-CH650		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			AC-01



LEGEND

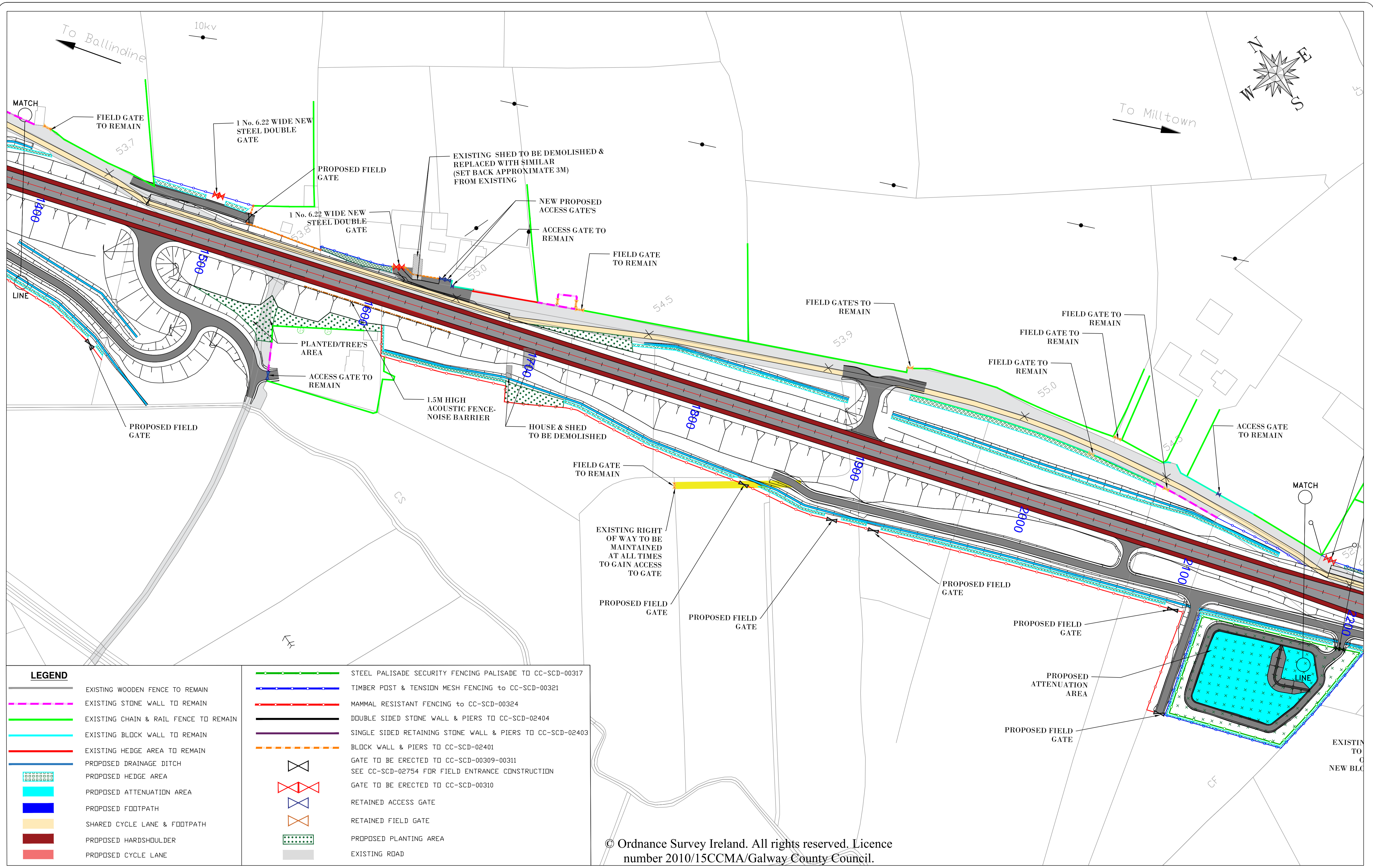
- | | |
|---|---|
| <ul style="list-style-type: none"> EXISTING WOODEN FENCE TO REMAIN EXISTING STONE WALL TO REMAIN EXISTING CHAIN & RAIL FENCE TO REMAIN EXISTING BLOCK WALL TO REMAIN EXISTING HEDGE AREA TO REMAIN PROPOSED DRAINAGE DITCH PROPOSED HEDGE AREA PROPOSED ATTENUATION AREA PROPOSED FOOTPATH SHARED CYCLE LANE & FOOTPATH PROPOSED HARDSHOULDER PROPOSED CYCLE LANE | <ul style="list-style-type: none"> STEEL PALISADE SECURITY FENCING PALISADE TO CC-SCD-00317 TIMBER POST & TENSION MESH FENCING TO CC-SCD-00321 MAMMAL RESISTANT FENCING TO CC-SCD-00324 DOUBLE SIDED STONE WALL & PIERS TO CC-SCD-02404 SINGLE SIDED RETAINING STONE WALL & PIERS TO CC-SCD-02403 BLOCK WALL & PIERS TO CC-SCD-02401 GATE TO BE ERECTED TO CC-SCD-00309-00311
SEE CC-SCD-02754 FOR FIELD ENTRANCE CONSTRUCTION GATE TO BE ERECTED TO CC-SCD-00310 RETAINED ACCESS GATE RETAINED FIELD GATE PROPOSED PLANTING AREA EXISTING ROAD |
|---|---|

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Accommodation Drawings Layout CH650-CH1400		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			AC-02



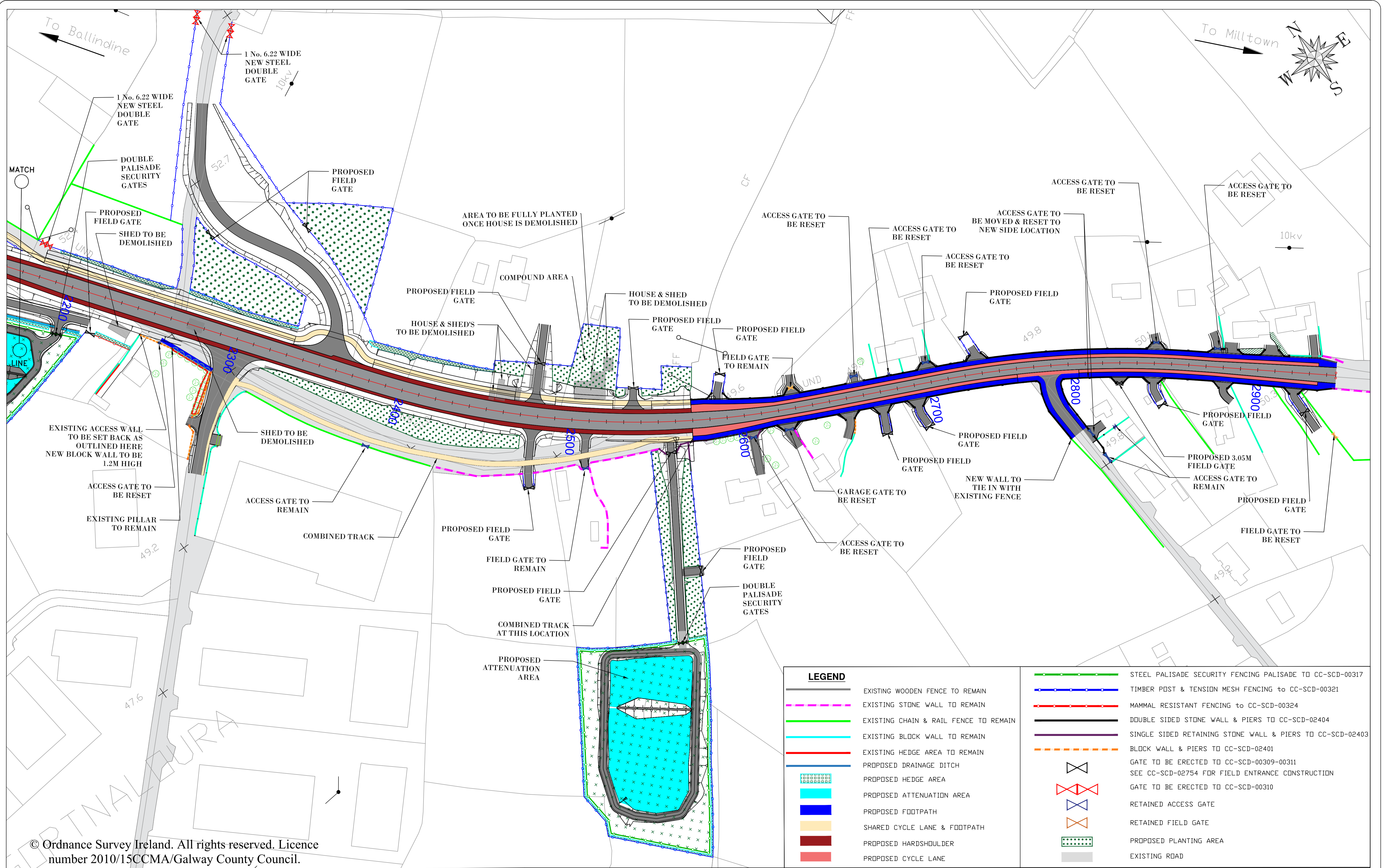
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	EXISTING STONE WALL TO REMAIN
	EXISTING CHAIN & RAIL FENCE TO REMAIN
	EXISTING BLOCK WALL TO REMAIN
	EXISTING HEDGE AREA TO REMAIN
	PROPOSED DRAINAGE DITCH
	PROPOSED HEDGE AREA
	PROPOSED ATTENUATION AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	STEEL PALISADE SECURITY FENCING PALISADE TO CC-SCD-00317
	TIMBER POST & TENSION MESH FENCING TO CC-SCD-00321
	MAMMAL RESISTANT FENCING TO CC-SCD-00324
	DOUBLE SIDED STONE WALL & PIERS TO CC-SCD-02404
	SINGLE SIDED RETAINING STONE WALL & PIERS TO CC-SCD-02403
	BLOCK WALL & PIERS TO CC-SCD-02401
	GATE TO BE ERECTED TO CC-SCD-00309-00311 SEE CC-SCD-02754 FOR FIELD ENTRANCE CONSTRUCTION
	GATE TO BE ERECTED TO CC-SCD-00310
	RETAINED ACCESS GATE
	RETAINED FIELD GATE
	PROPOSED PLANTING AREA
	EXISTING ROAD

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Accommodation Drawings Layout CH1400-CH2200		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			AC-03



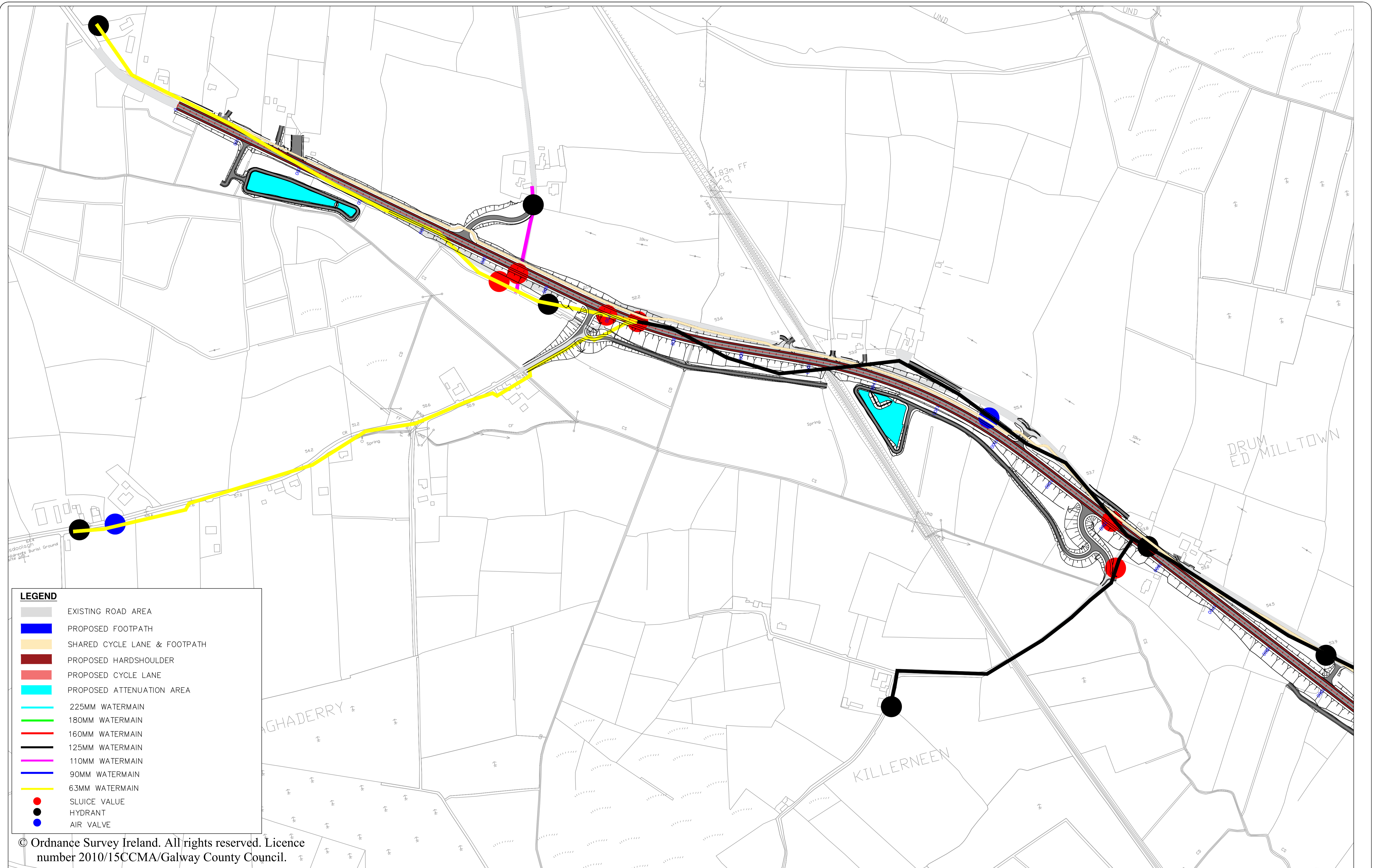
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LEGEND	
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	EXISTING STONE WALL TO REMAIN
	EXISTING CHAIN & RAIL FENCE TO REMAIN
	EXISTING BLOCK WALL TO REMAIN
	EXISTING HEDGE AREA TO REMAIN
	PROPOSED DRAINAGE DITCH
	PROPOSED HEDGE AREA
	PROPOSED ATTENUATION AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARD SHOULDER
	PROPOSED CYCLE LANE
	STEEL PALISADE SECURITY FENCING PALISADE TO CC-SCD-00317
	TIMBER POST & TENSION MESH FENCING TO CC-SCD-00321
	MAMMAL RESISTANT FENCING TO CC-SCD-00324
	DOUBLE SIDED STONE WALL & PIERS TO CC-SCD-02404
	SINGLE SIDED RETAINING STONE WALL & PIERS TO CC-SCD-02403
	BLOCK WALL & PIERS TO CC-SCD-02401
	GATE TO BE ERECTED TO CC-SCD-00309-00311 SEE CC-SCD-02754 FOR FIELD ENTRANCE CONSTRUCTION
	GATE TO BE ERECTED TO CC-SCD-00310
	RETAINED ACCESS GATE
	RETAINED FIELD GATE
	PROPOSED PLANTING AREA
	EXISTING ROAD

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Accommodation Drawings Layout CH2200-CH2945		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			AC-04



LEGEND

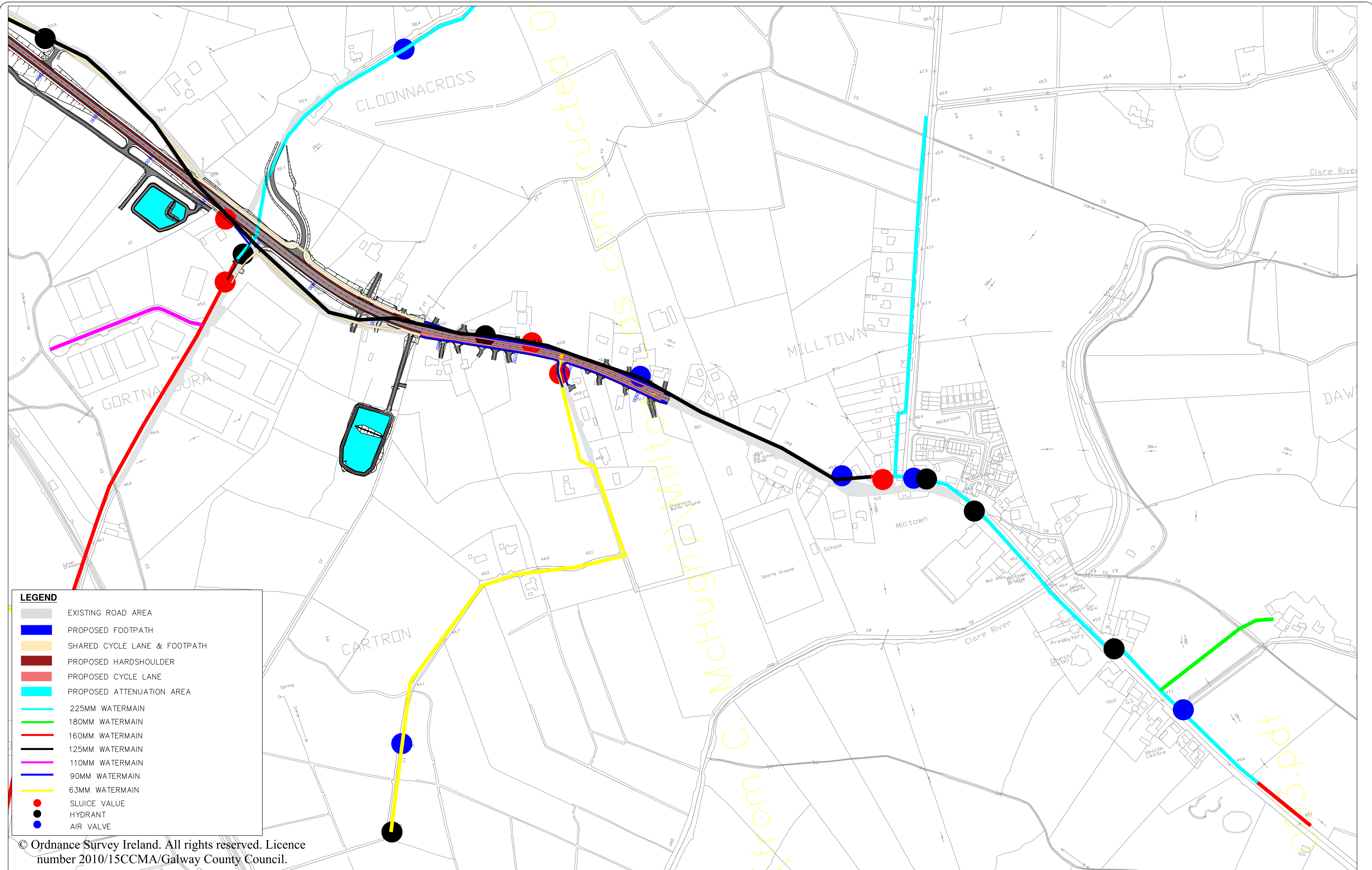
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	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED ATTENUATION AREA
	225MM WATERMAIN
	180MM WATERMAIN
	160MM WATERMAIN
	125MM WATERMAIN
	110MM WATERMAIN
	90MM WATERMAIN
	63MM WATERMAIN
	SLUIICE VALVE
	HYDRANT
	AIR VALVE

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Miltown to Gortnagunned		
COMPONENT:	Utilities - Existing Group Water Scheme		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:2500
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	EGWS - 01



LEGEND

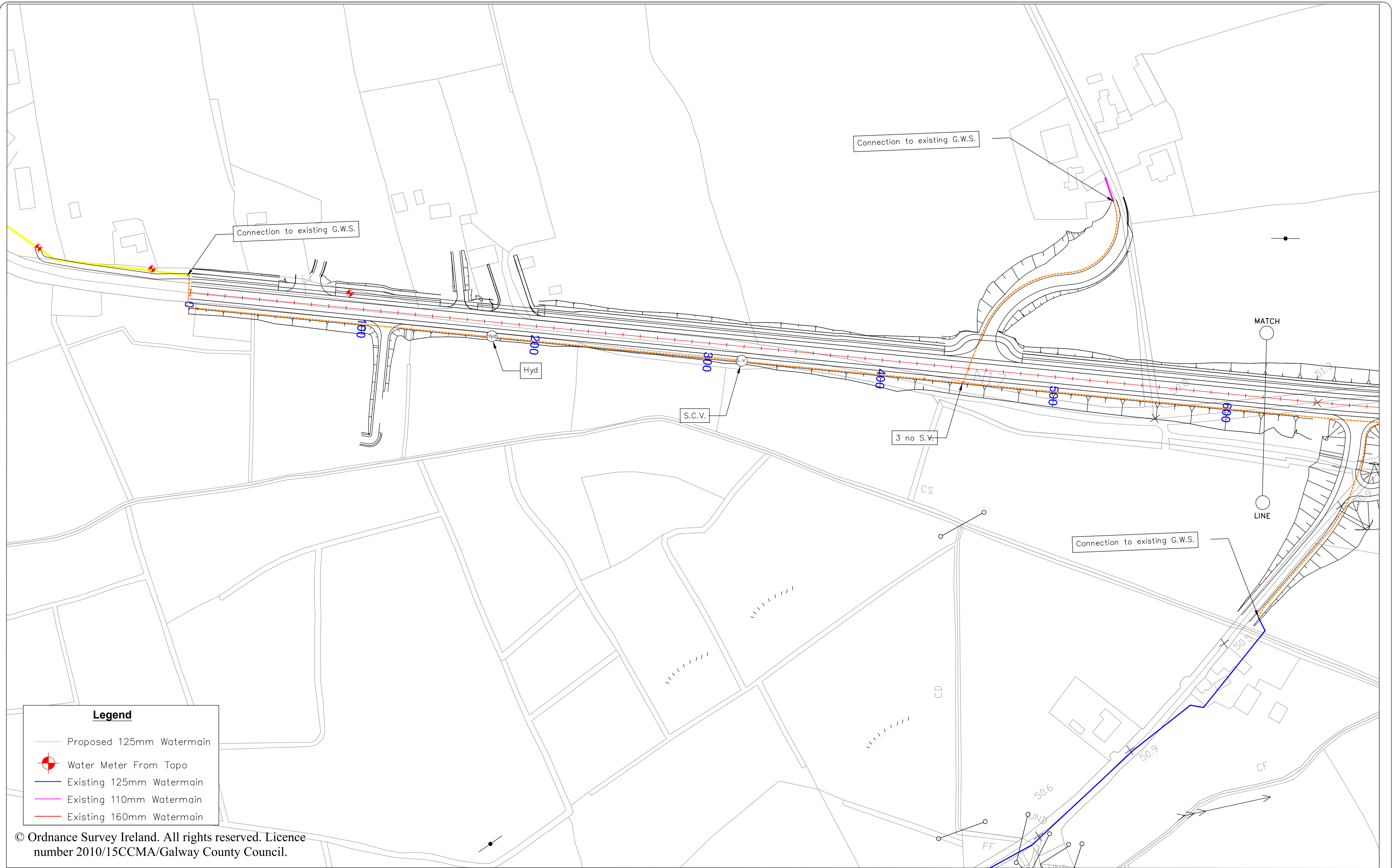
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	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED ATTENUATION AREA
	225MM WATERMAIN
	180MM WATERMAIN
	160MM WATERMAIN
	125MM WATERMAIN
	110MM WATERMAIN
	90MM WATERMAIN
	63MM WATERMAIN
	SLUICE VALVE
	HYDRANT
	AIR VALVE

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REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunna	
COMPONENT: Utilities - Existing Group Water Scheme	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:2500
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: EGWS - 02	



Legend

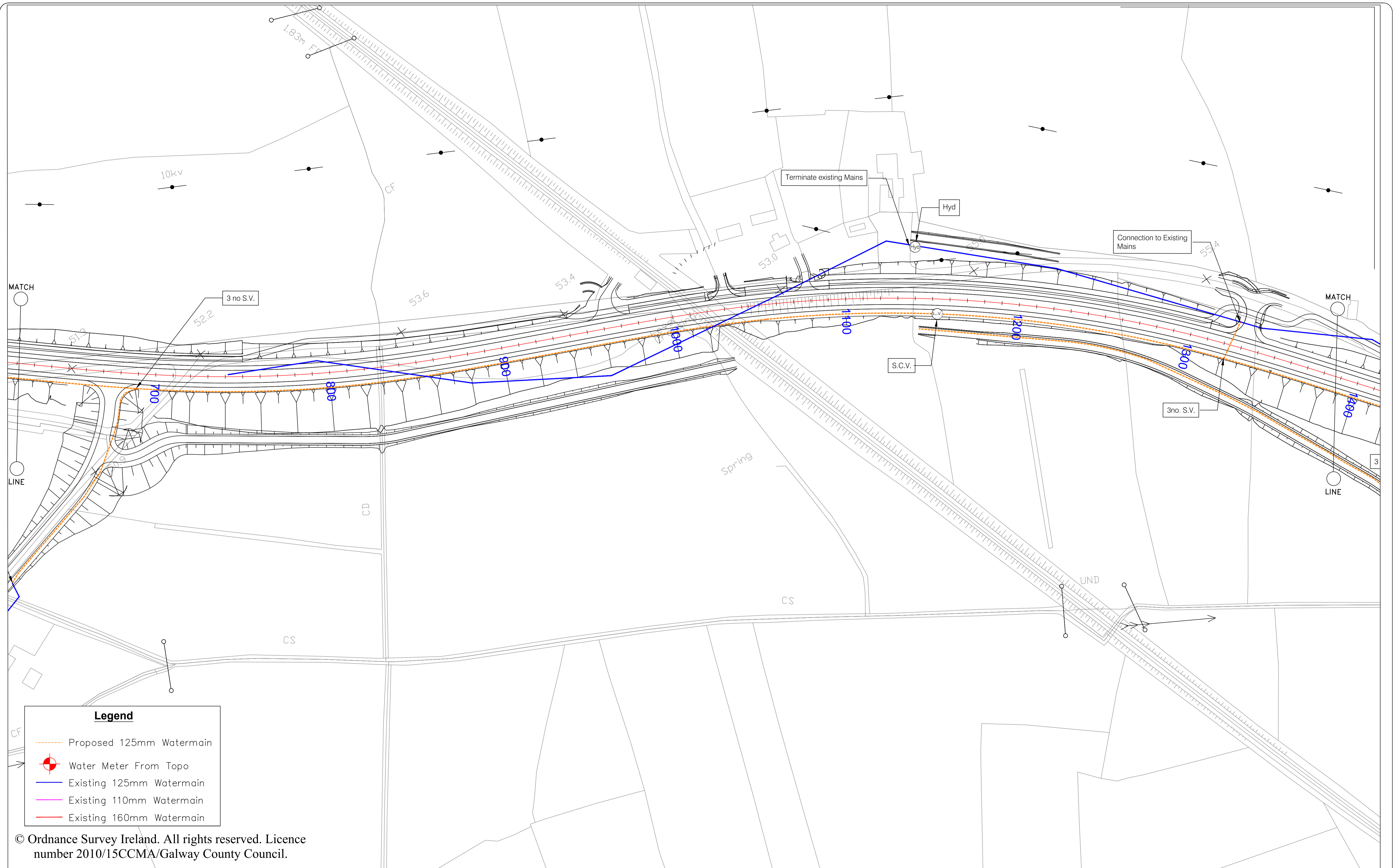
- - - Proposed 125mm Watermain
- ⊕ Water Meter From Topo
- Existing 125mm Watermain
- Existing 110mm Watermain
- Existing 160mm Watermain

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REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned	
COMPONENT: Utilities - Water Mains	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: PW - 01	



Legend

-  Proposed 125mm Watermain
-  Water Meter From Topo
-  Existing 125mm Watermain
-  Existing 110mm Watermain
-  Existing 160mm Watermain

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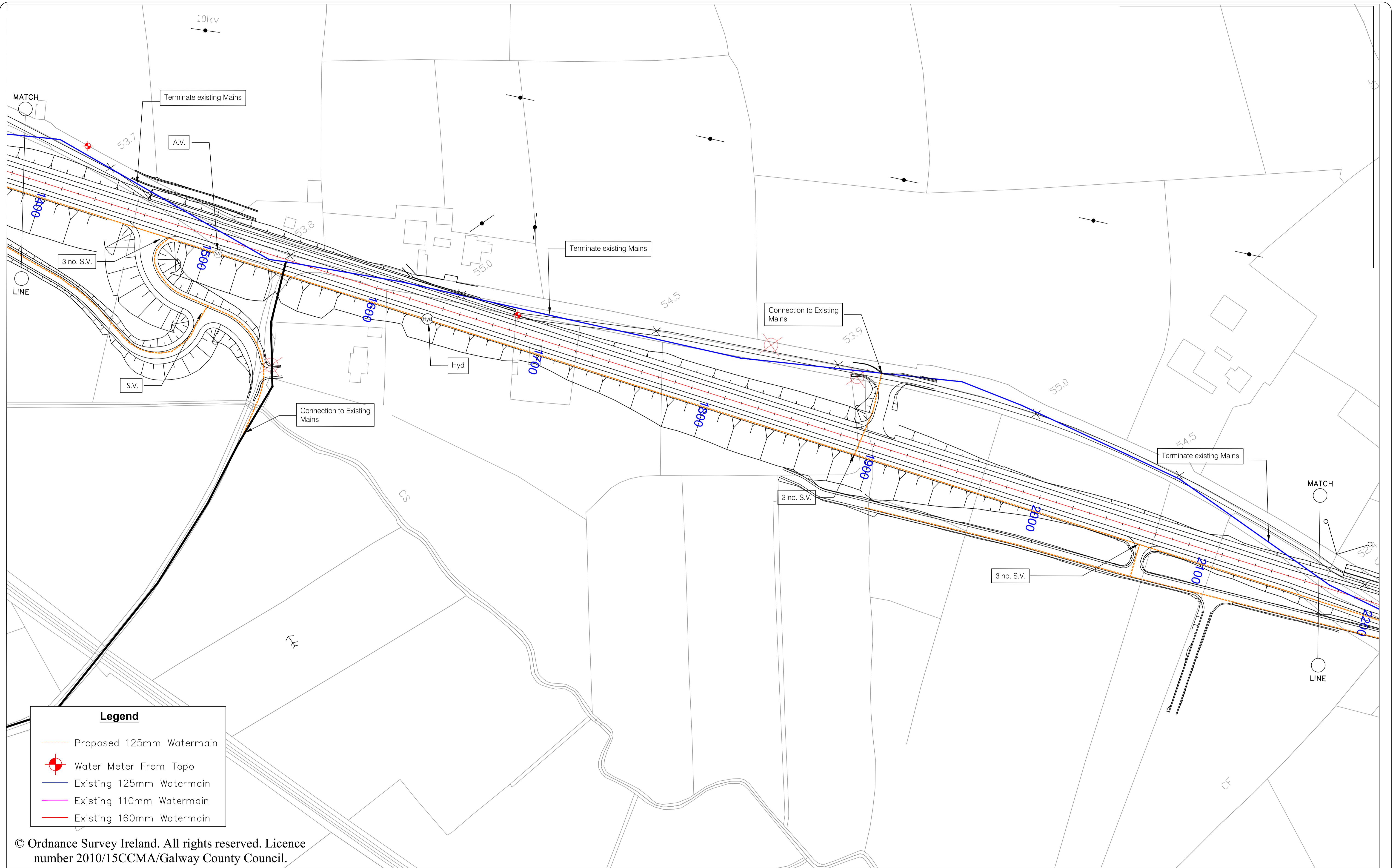


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REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunnd	
COMPONENT: Utilities - Group Water Scheme	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: PW - 02	



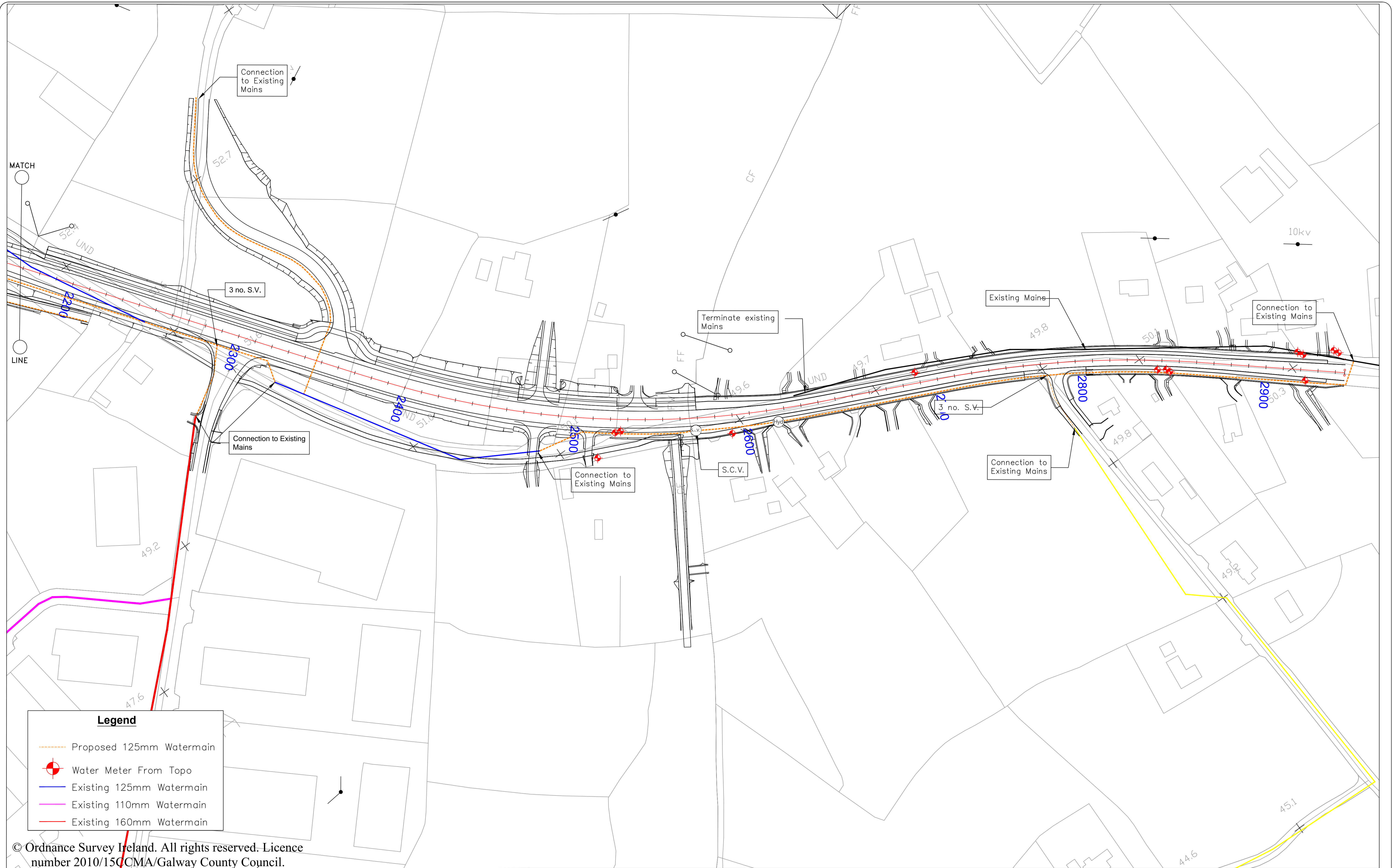
- Legend**
- Proposed 125mm Watermain
 - Water Meter From Topo
 - Existing 125mm Watermain
 - Existing 110mm Watermain
 - Existing 160mm Watermain

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REVISION:	MADE BY:	DATE:

PROJECT		N17 Milltown to Gortnagunnd	
COMPONENT:		Utilities - Group Water Scheme	
TITLE:		Design Drawings	
DESIGNED BY:	S.B.	FILE No.:	
DRAWN BY:	M.K.	SCALES:	1:1000
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING No.:			PW - 03



Legend

	Proposed 125mm Watermain
	Water Meter From Topo
	Existing 125mm Watermain
	Existing 110mm Watermain
	Existing 160mm Watermain

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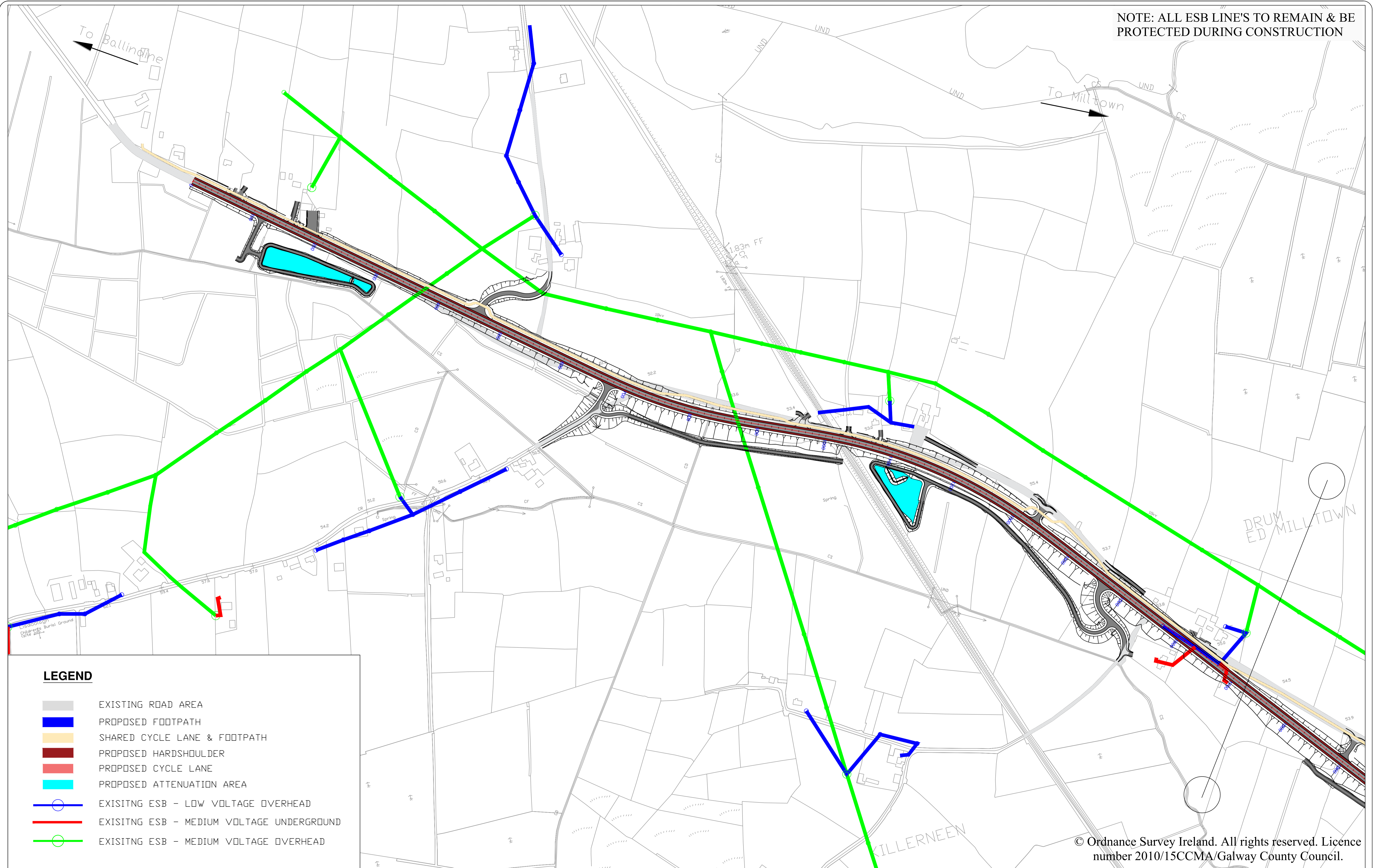
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Galway County Council,
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Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Utilities - Group Water Scheme		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			PW - 04

NOTE: ALL ESB LINE'S TO REMAIN & BE PROTECTED DURING CONSTRUCTION



LEGEND

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE
- PROPOSED ATTENUATION AREA
- EXISTING ESB - LOW VOLTAGE OVERHEAD
- EXISTING ESB - MEDIUM VOLTAGE UNDERGROUND
- EXISTING ESB - MEDIUM VOLTAGE OVERHEAD

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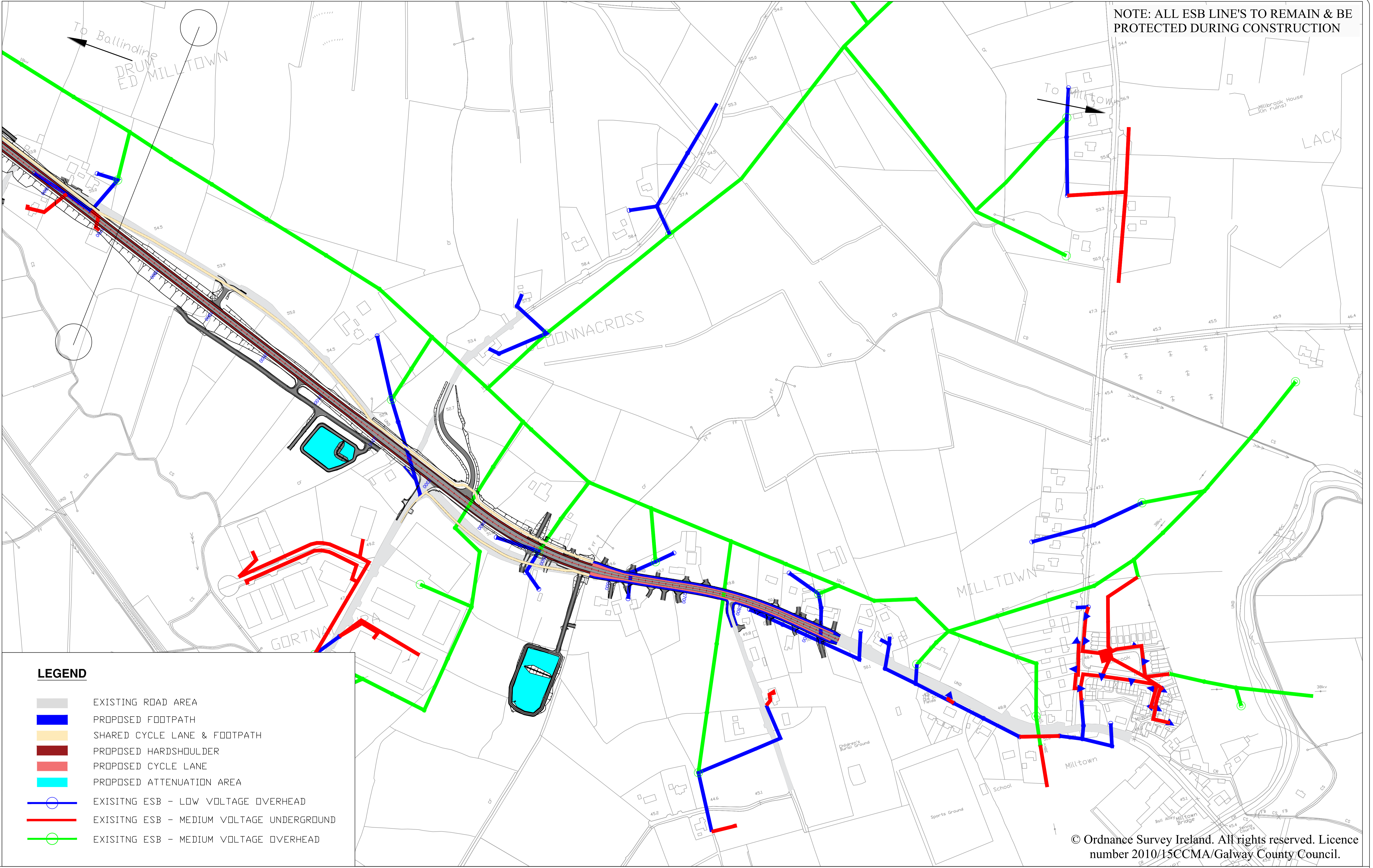
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Galway.

REVISION:	MADE BY:	DATE:

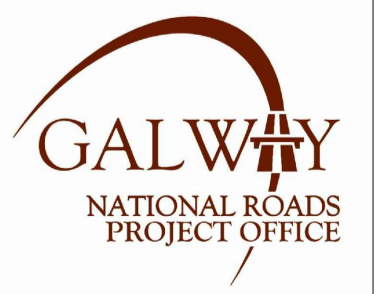
PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Utilities-ESB Network		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:5000
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	ESB-01

NOTE: ALL ESB LINE'S TO REMAIN & BE PROTECTED DURING CONSTRUCTION



- LEGEND**
- EXISTING ROAD AREA
 - PROPOSED FOOTPATH
 - SHARED CYCLE LANE & FOOTPATH
 - PROPOSED HARDSHOULDER
 - PROPOSED CYCLE LANE
 - PROPOSED ATTENUATION AREA
 - EXISTING ESB - LOW VOLTAGE OVERHEAD
 - EXISTING ESB - MEDIUM VOLTAGE UNDERGROUND
 - EXISTING ESB - MEDIUM VOLTAGE OVERHEAD

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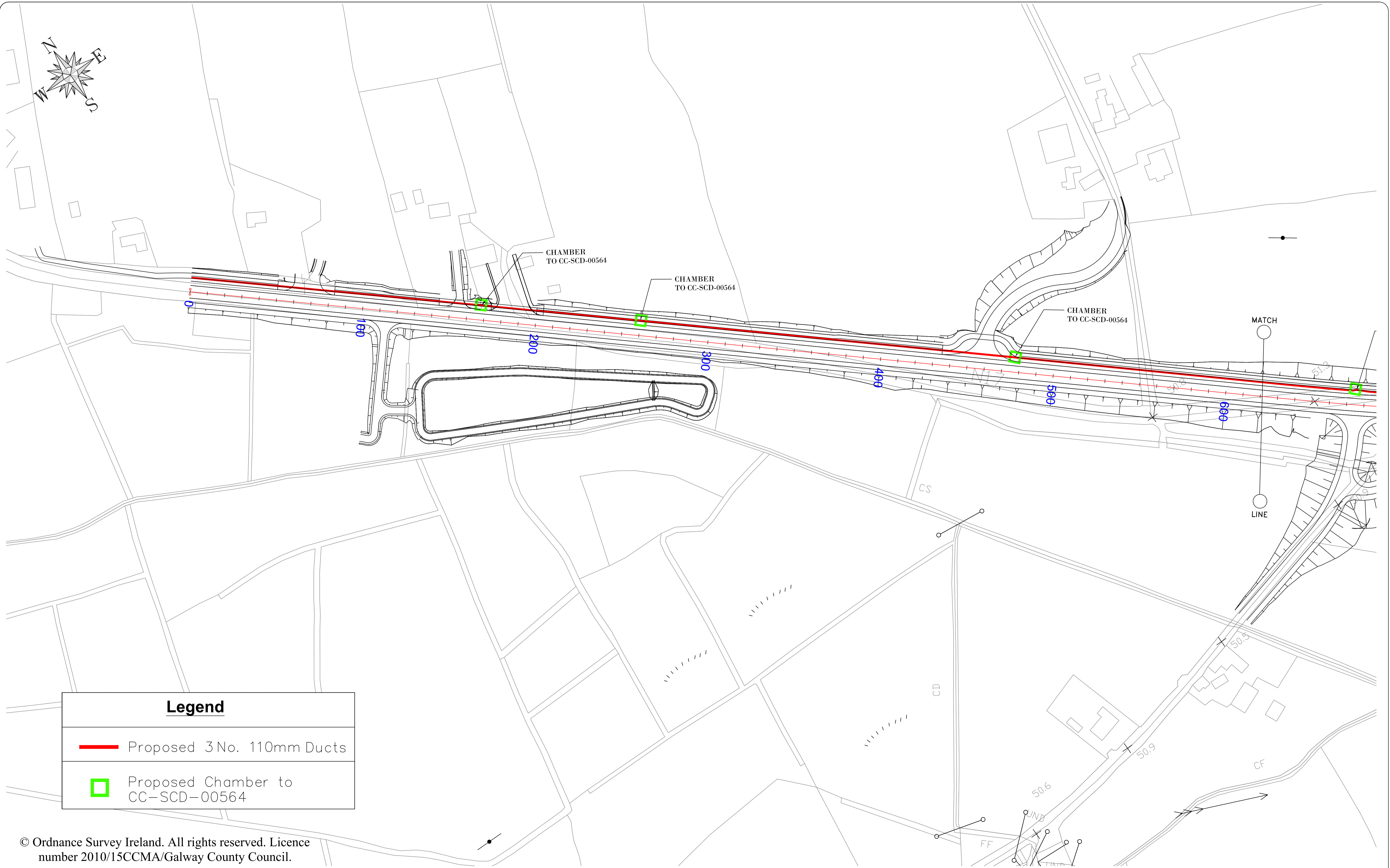


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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Utilities-ESB Network		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:5000
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			ESB-02



Legend

 Proposed 3 No. 110mm Ducts

 Proposed Chamber to CC-SCD-00564

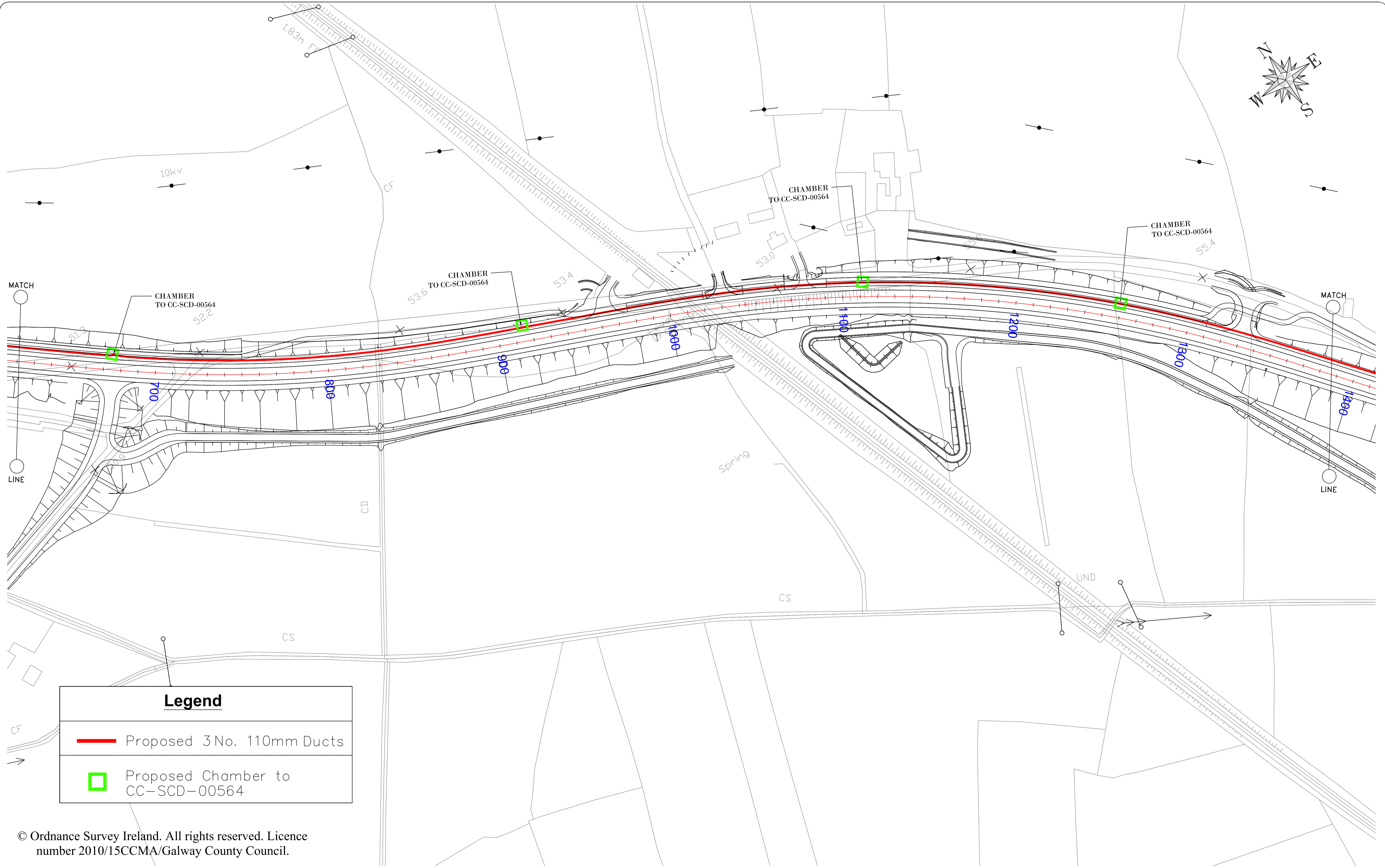
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REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned	
COMPONENT: Proposed Eir Route	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: PE - 01	



Legend

- Proposed 3 No. 110mm Ducts
- Proposed Chamber to CC-SCD-00564



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REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned	
COMPONENT: Proposed Eir Route	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: PE - 02	



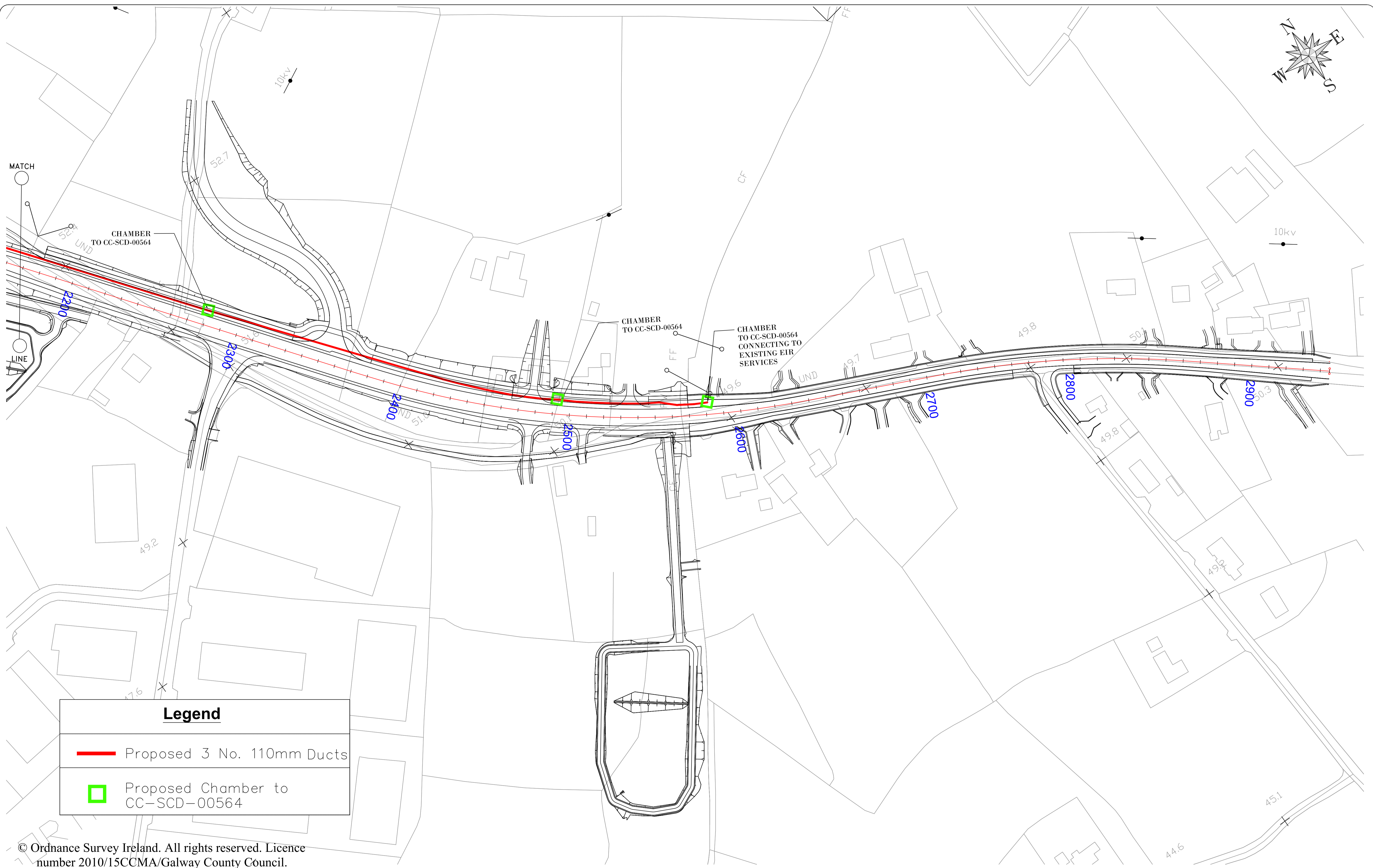
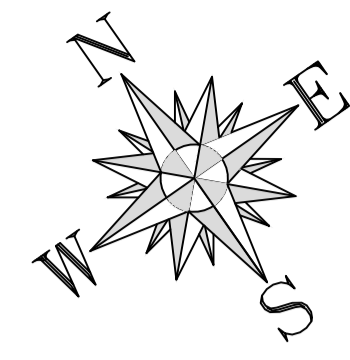
Legend	
	Proposed 3 No. 100mm Ducts
	Proposed Chamber to CC-SCD-00564

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REVISION:	MADE BY:	DATE:

PROJECT	N17 Milltown to Gortnagunned		
COMPONENT:	Proposed Eir Route		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			PE - 03



Legend

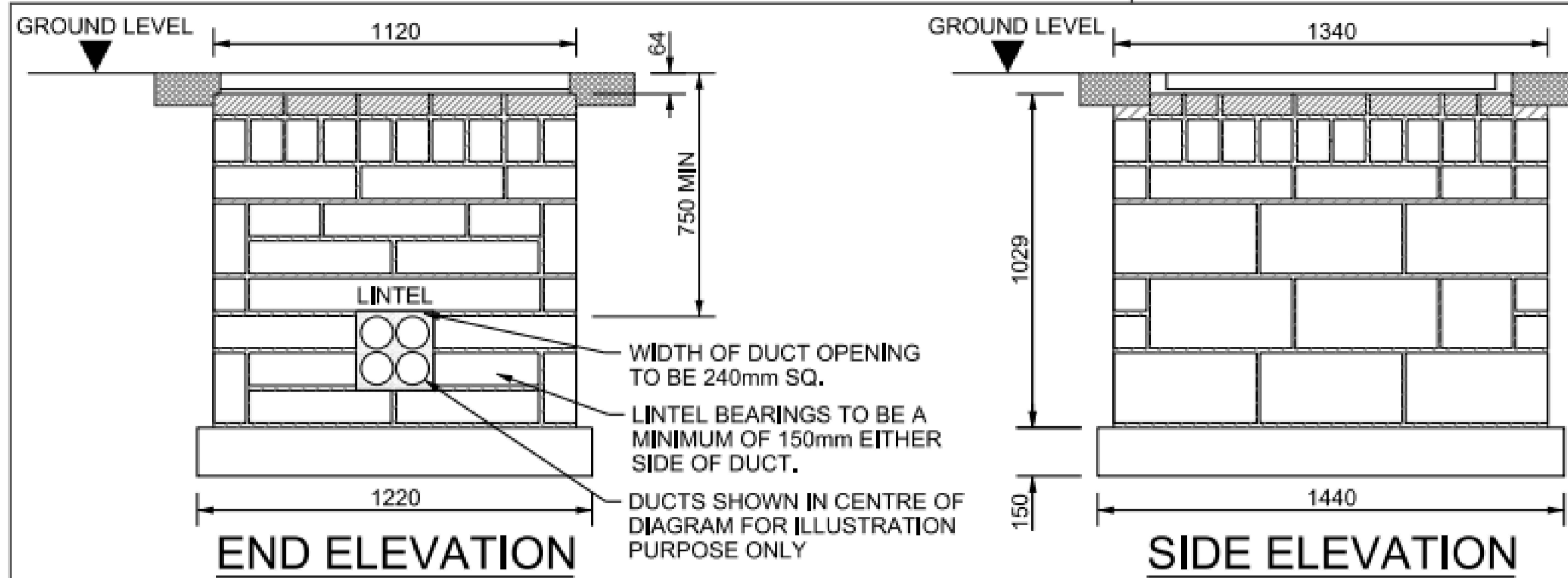
- Proposed 3 No. 110mm Ducts
- Proposed Chamber to CC-SCD-00564

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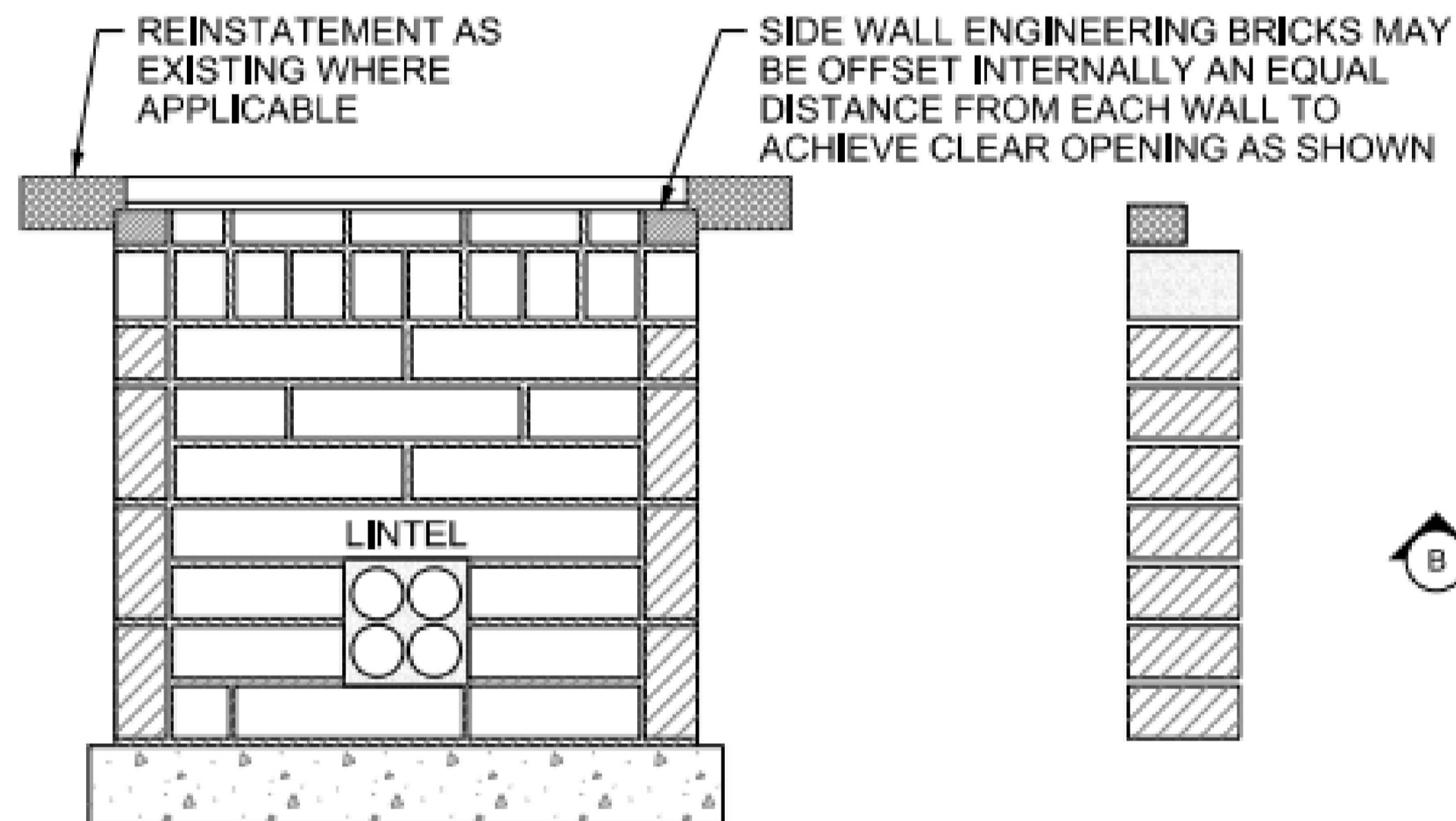
REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned	
COMPONENT: Proposed Eir Route	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: November 2021
DRAWING NO.: PE - 04	



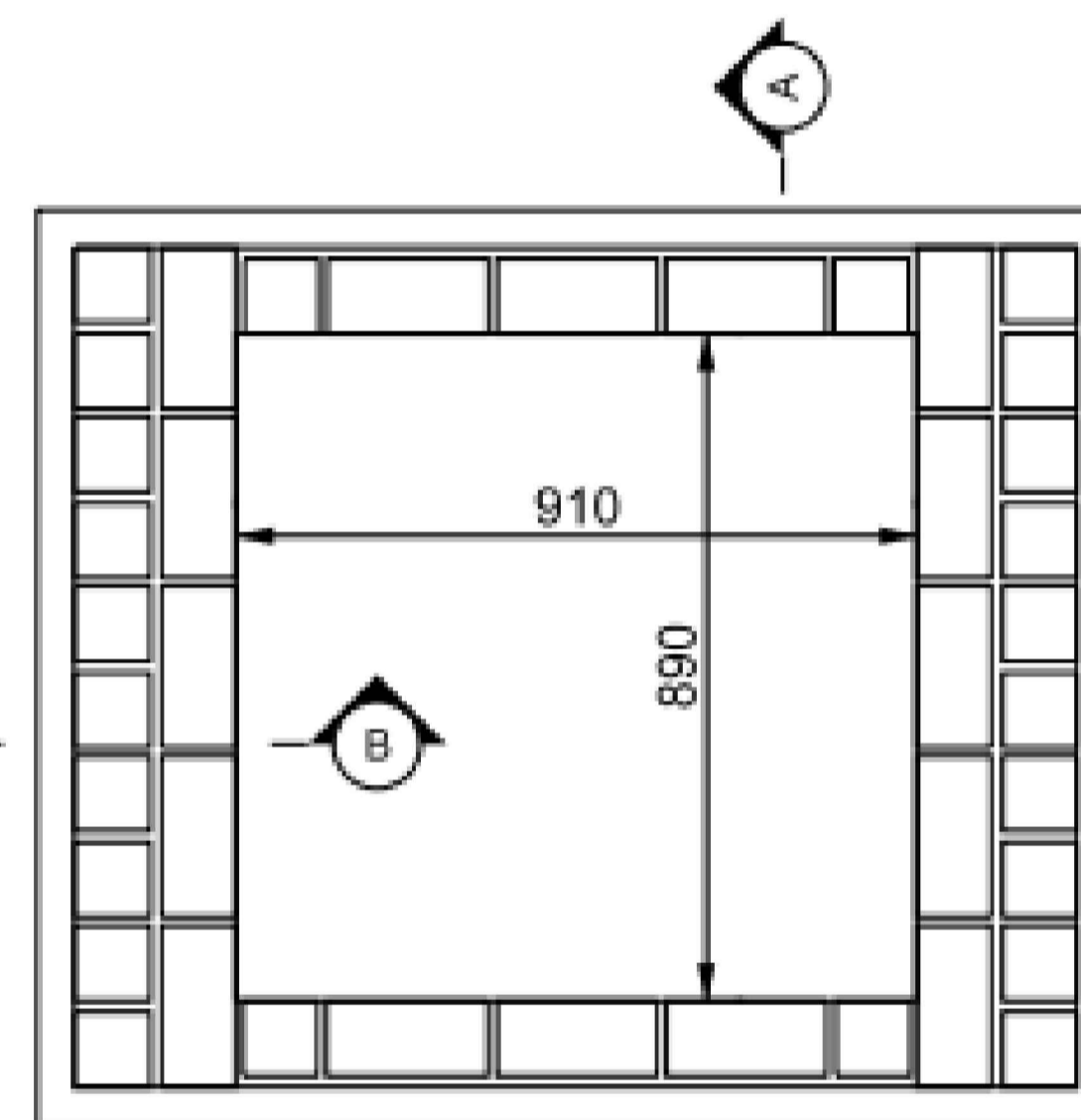
END ELEVATION

SIDE ELEVATION



SECTION A-A



SECTION B-B

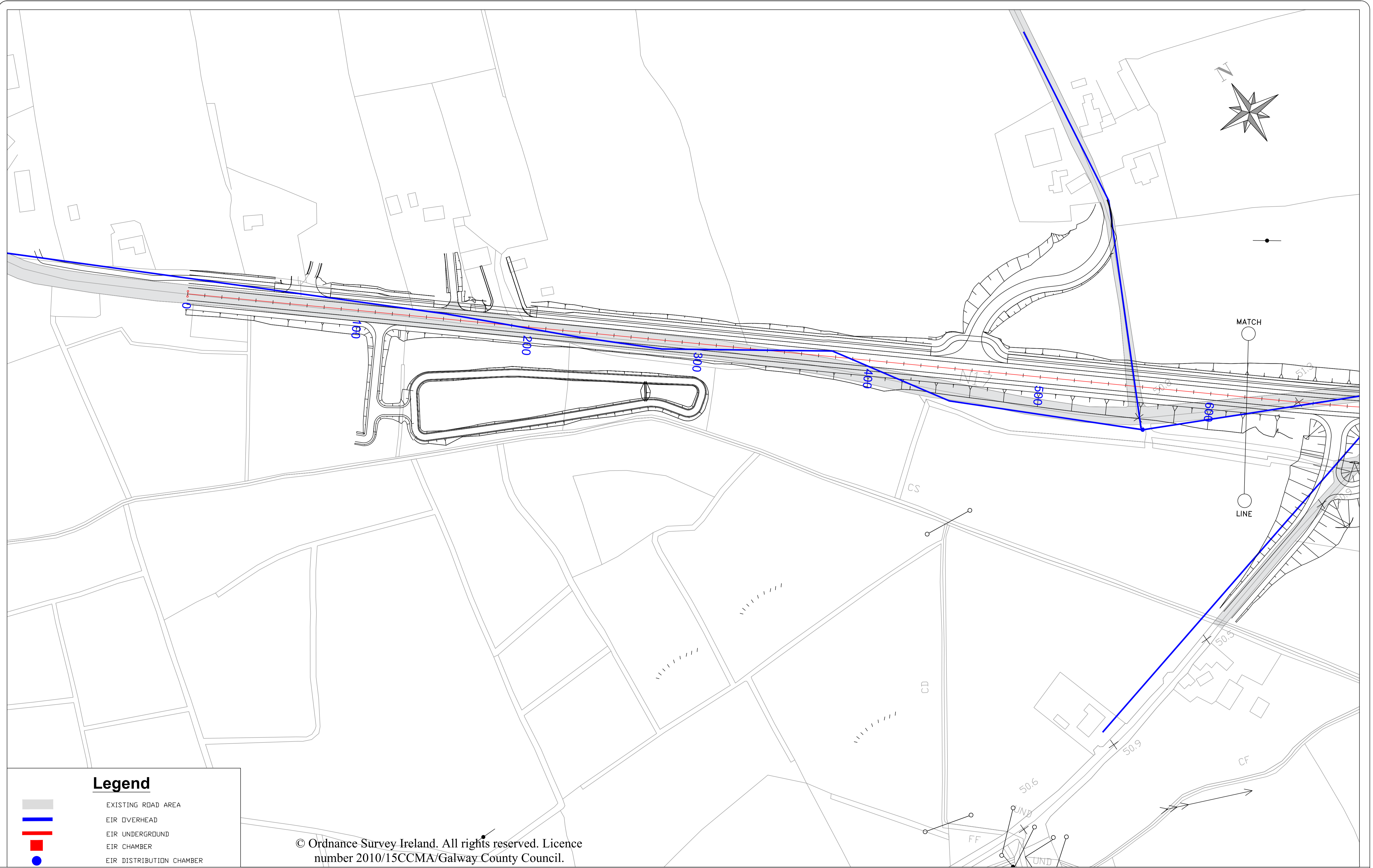


PLAN






NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS.
 2. FOUNDATIONS TO BE AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 3. CONCRETE MIX SHALL BE ST4 AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 4. CHAMBER WALL TO BE TYPE S10 BLOCKS COLOURED RED WITH 10 N/mm² MINIMUM COMPRESSIVE STRENGTH AND CLASS B ENGINEERING BRICK WITH 50 N/mm² MINIMUM COMPRESSIVE STRENGTH.
 5. BLOCK AND BRICK LAYERS TO BE IN ACCORDANCE WITH DETAIL WITH 900x215x100 REINFORCED CONCRETE LINTEL TO IS 240 ABOVE DUCT OPENINGS. ALLOW 3 DAYS FOR BLOCKWORK MORTAR TO CURE BEFORE BACKFILLING VOIDS OUTSIDE BLOCKWORK WITH LEAN MIX CONCRETE OR SUB-BASE TO CLAUSE 804 LAID IN 200mm THICK LAYERS EACH LAYER WELL CONSOLIDATED WITH A MECHANICAL COMPACTOR.
 6. OPTIMUM POSITION OF DUCTS TO BE 115mm ABOVE FLOOR OF CHAMBER.
 7. MORTAR TO BE 1:3 CEMENT/SAND MIX AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 8. SIZE OF BLOCK = 440x215x100mm.
SIZE OF ENGINEERING BRICK = 215x100x65mm.
 9. ALL JOINTS TO BE 8 TO 15mm THICK AS THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500 AND CC-SPW-02400.
 10. COVER FRAME TO BE FULLY BEDDED ON MINIMUM OF 10mm DESIGNATION 1 MORTAR AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 11. POSITION OF CABLE BEARER BRACKETS AND SUMP TO BE DECIDED ON SITE WHERE REQUIRED.
 12. WHERE SUMP IS INSTALLED IT SHOULD BE DISH FORMED AND NOT EXTENDED THROUGH PLINTH.
 13. LOCKABLE COVERS CAN ONLY BE REMOVED FROM LOCKED END. FRAMES MUST BE LAID TO ALLOW FOR EASY REMOVAL OF COVERS AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 14. PRECAST CHAMBERS TO IS EN 1917 ARE ALSO PERMITTED AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
 15. CAST IN-SITU CONCRETE CHAMBERS ARE ALSO PERMITTED AND SHALL BE CONSTRUCTED AS PER THE CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500.
- # "REFER TO CHAMBERS FOR DRAINS SECTION OF CC-SPW-00500 FOR ITEMS....."

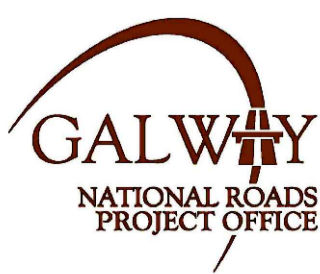
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	STREAM STANDARD CONSTRUCTION DETAILS (SCD)	HISTORICAL REFERENCE RCD/500/64	DOCUMENTATION SET STANDARD	PUBLICATION DATE MARCH 2015



Legend

-  EXISTING ROAD AREA
-  EIR OVERHEAD
-  EIR UNDERGROUND
-  EIR CHAMBER
-  EIR DISTRIBUTION CHAMBER

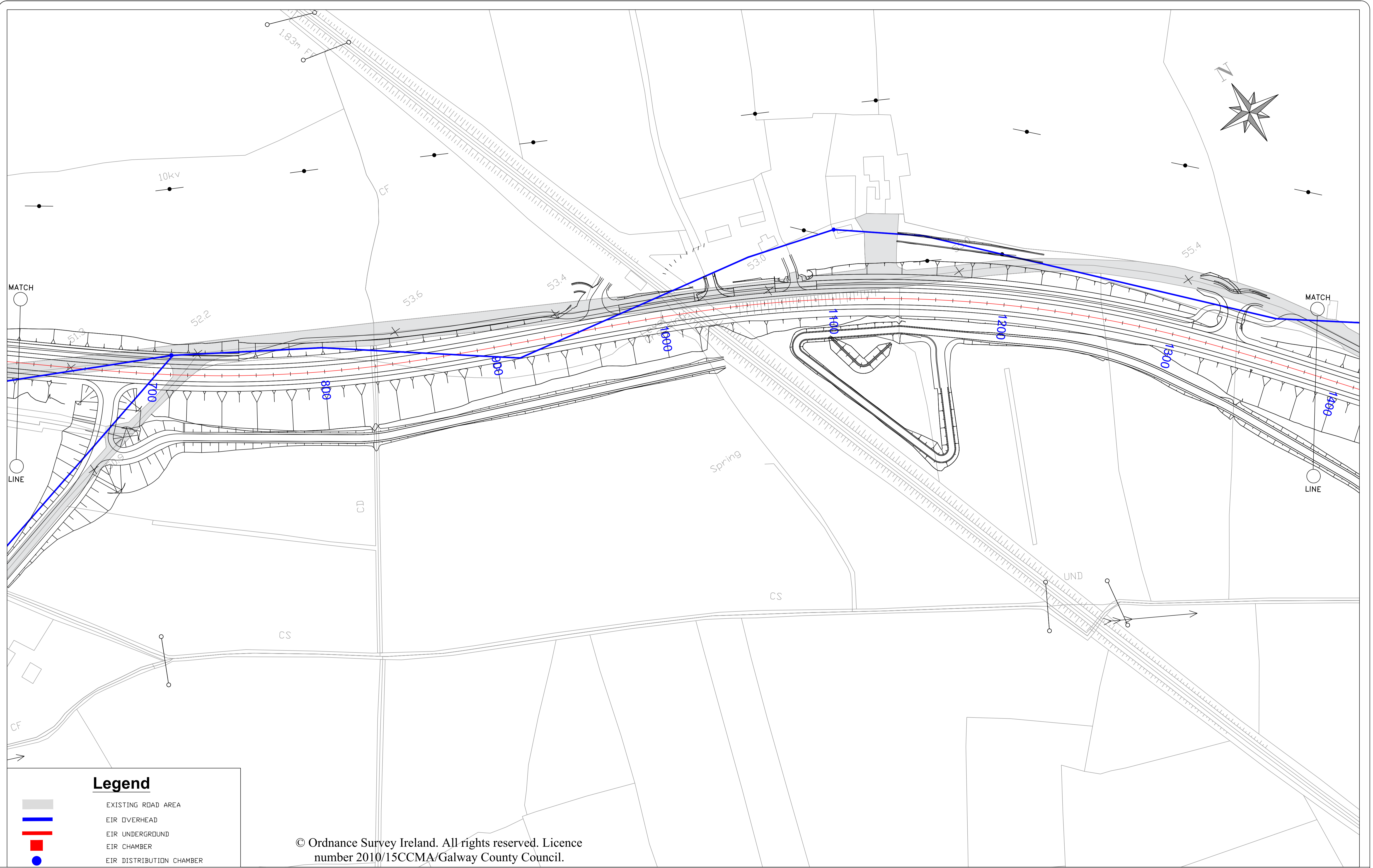
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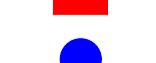

National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

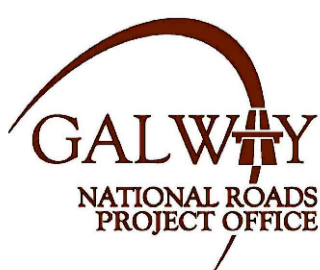
PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Existing Eir Drawing - Eircom Sheet 1		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	E.C.	SCALES:	1:1000 • A1, 1:2000 • A3
CHECKED BY:	S.B.	DATE:	November 2021
			DRAWING NO.: EE-01



Legend

-  EXISTING ROAD AREA
-  EIR OVERHEAD
-  EIR UNDERGROUND
-  EIR CHAMBER
-  EIR DISTRIBUTION CHAMBER

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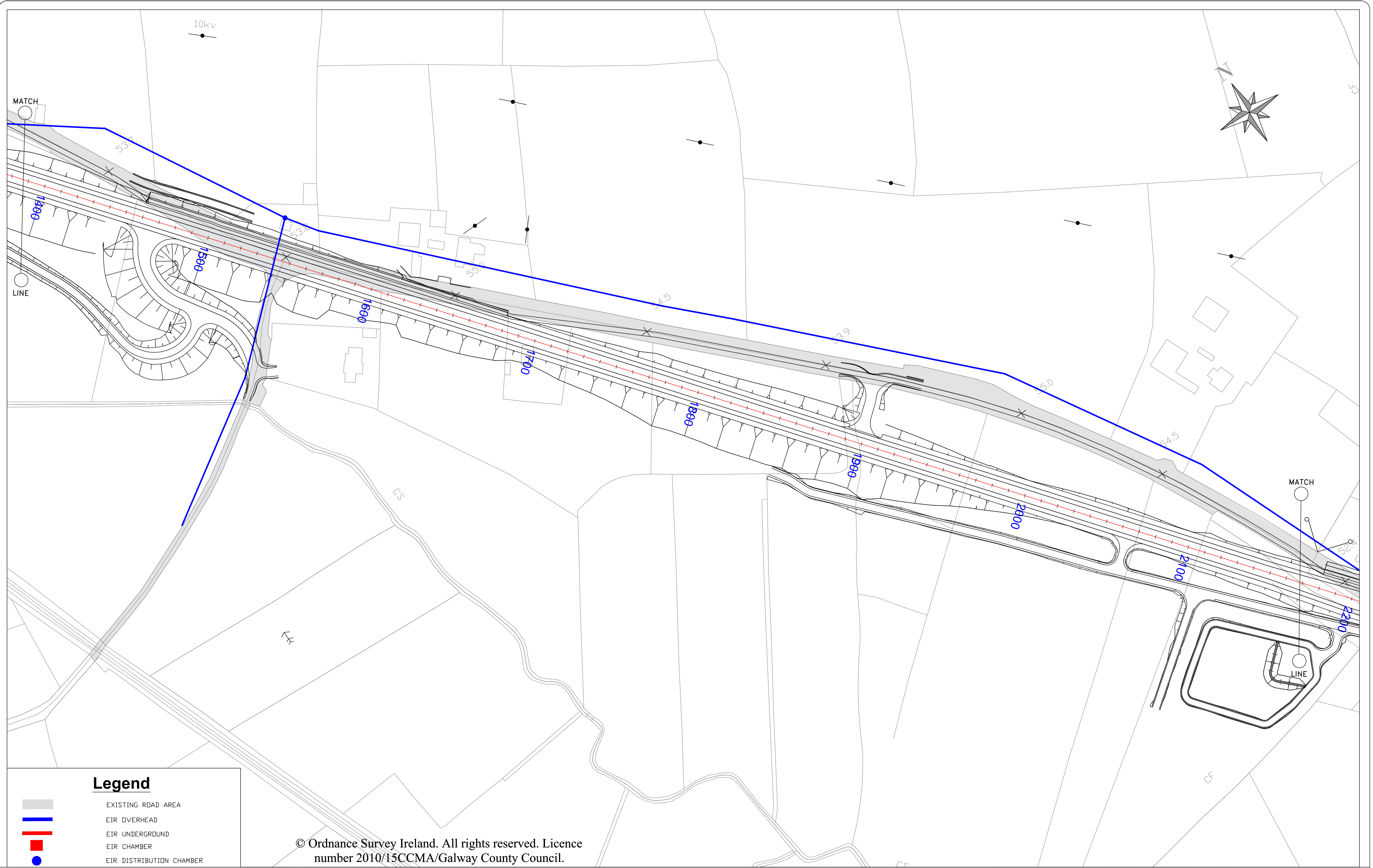


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National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Existing Eir Drawing - Eircom Sheet 2		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	E.C.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			EE-02



Legend

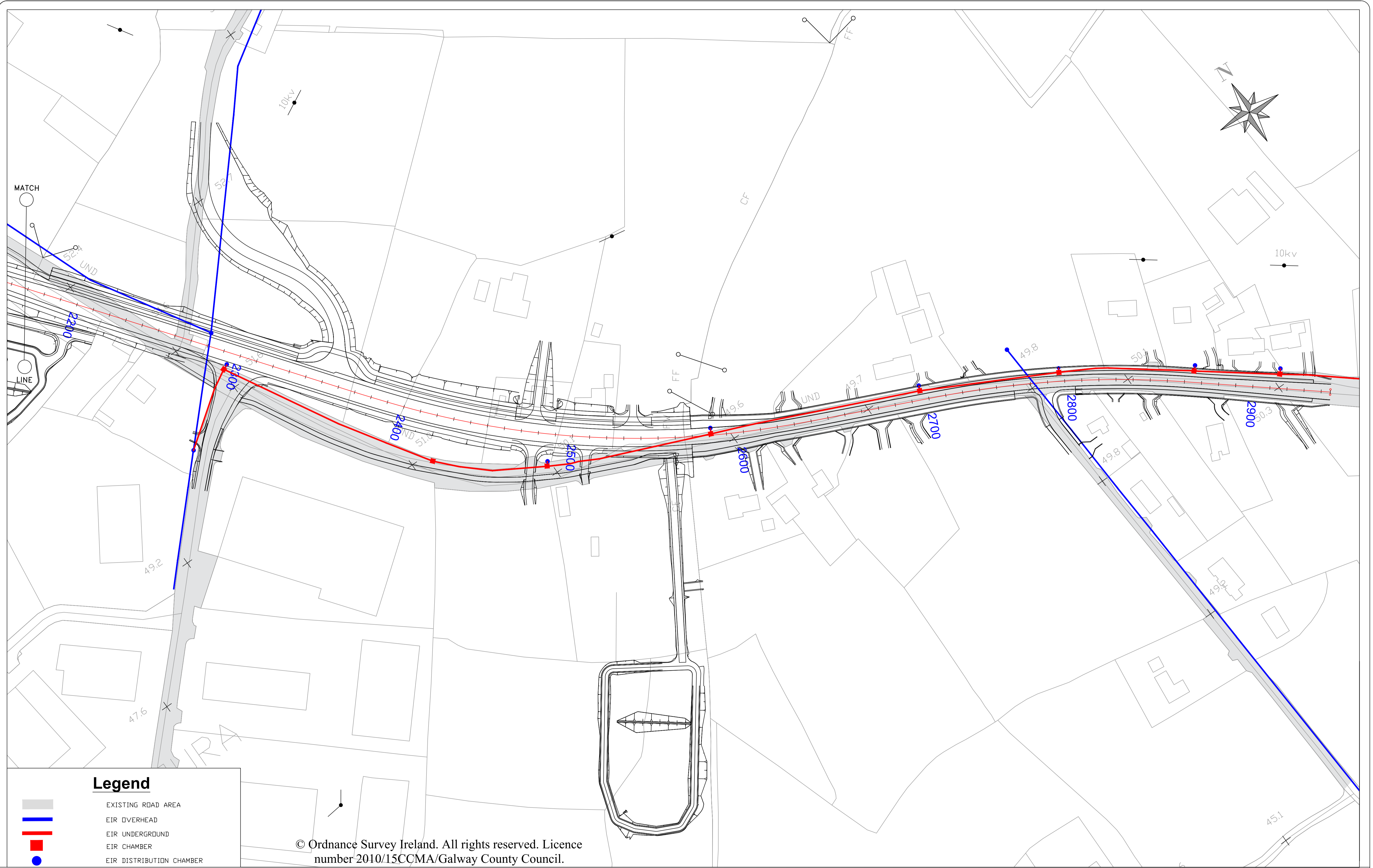
-  EXISTING ROAD AREA
-  EIR OVERHEAD
-  EIR UNDERGROUND
-  EIR CHAMBER
-  EIR DISTRIBUTION CHAMBER

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Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Existing Eir Drawing- Eircom Sheet 3		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	E.C.	SCALE:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	EE-03



Legend

-  EXISTING ROAD AREA
-  EIR OVERHEAD
-  EIR UNDERGROUND
-  EIR CHAMBER
-  EIR DISTRIBUTION CHAMBER

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TIIV
Bonneagar Iompair Éireann
Transport Infrastructure Ireland



Project Ireland 2040
Building Ireland's Future



GALWAY
NATIONAL ROADS
PROJECT OFFICE



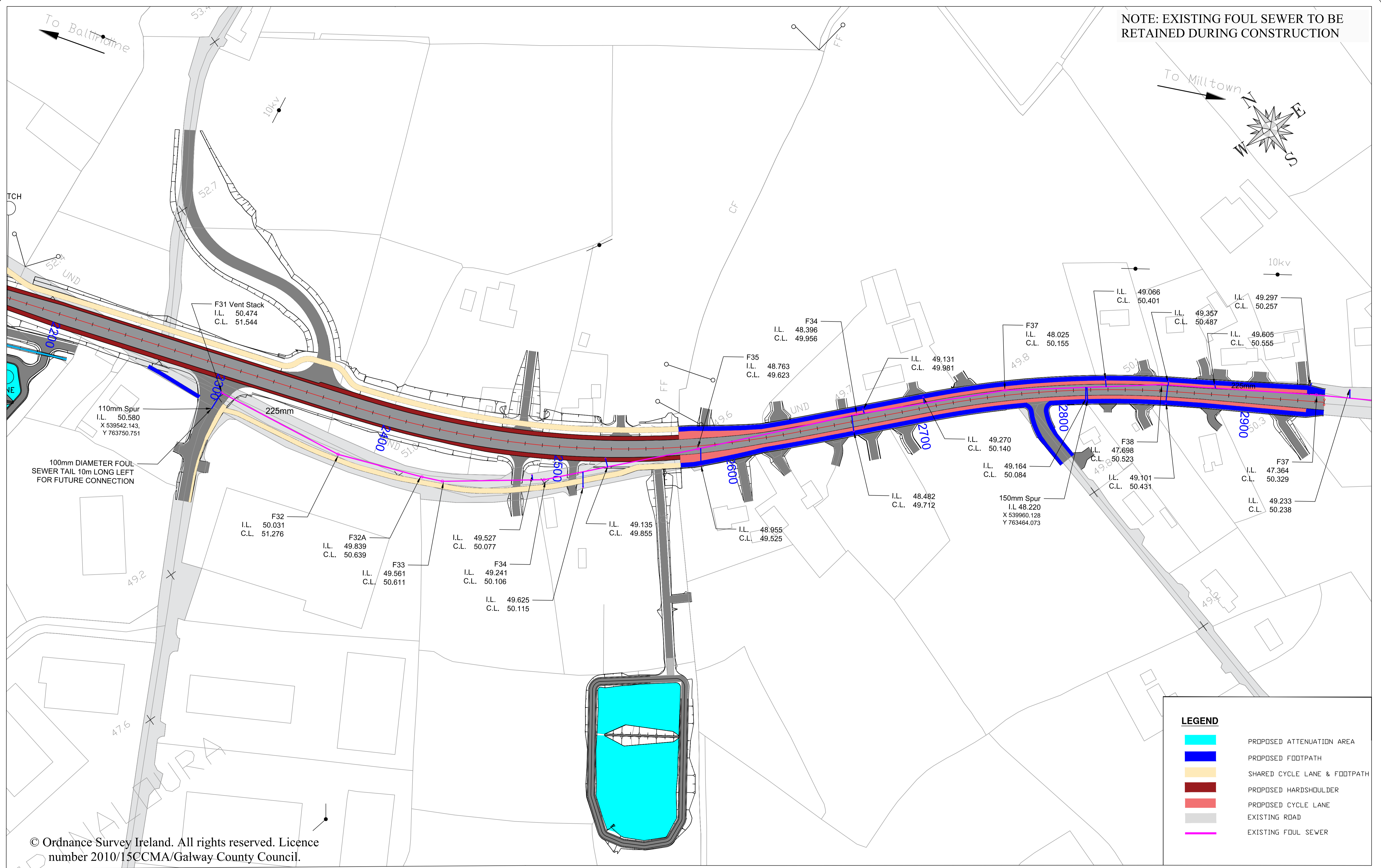
Comhairle Chontae na Gaillimhe
Galway County Council

National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Existing Eir Drawing- Sheet 4		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	E.C.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
		DRAWING NO.:	EE-04

NOTE: EXISTING FOUL SEWER TO BE RETAINED DURING CONSTRUCTION

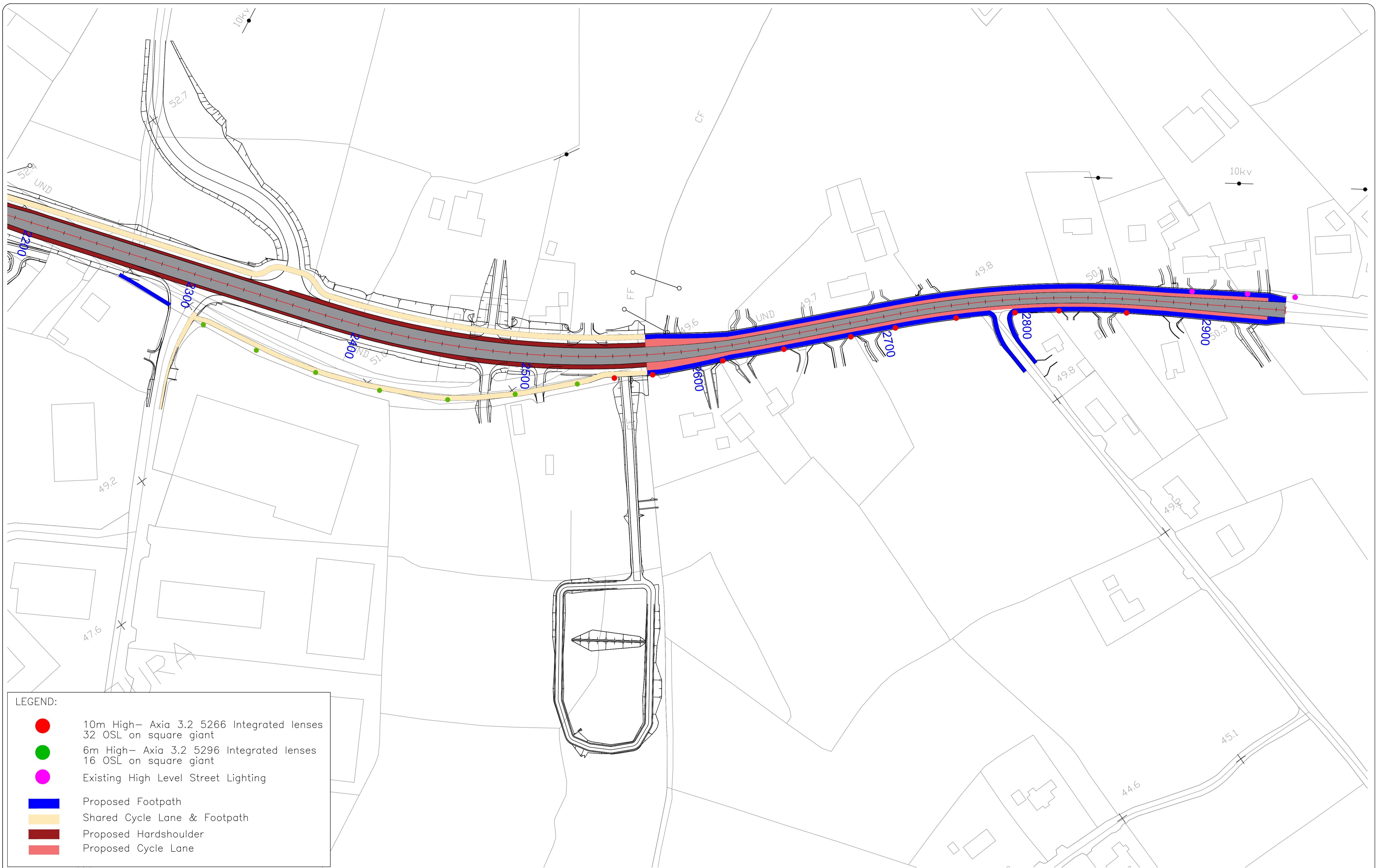


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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Design Drawings		
TITLE:	Existing Foul Sewers Network		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			FS-01

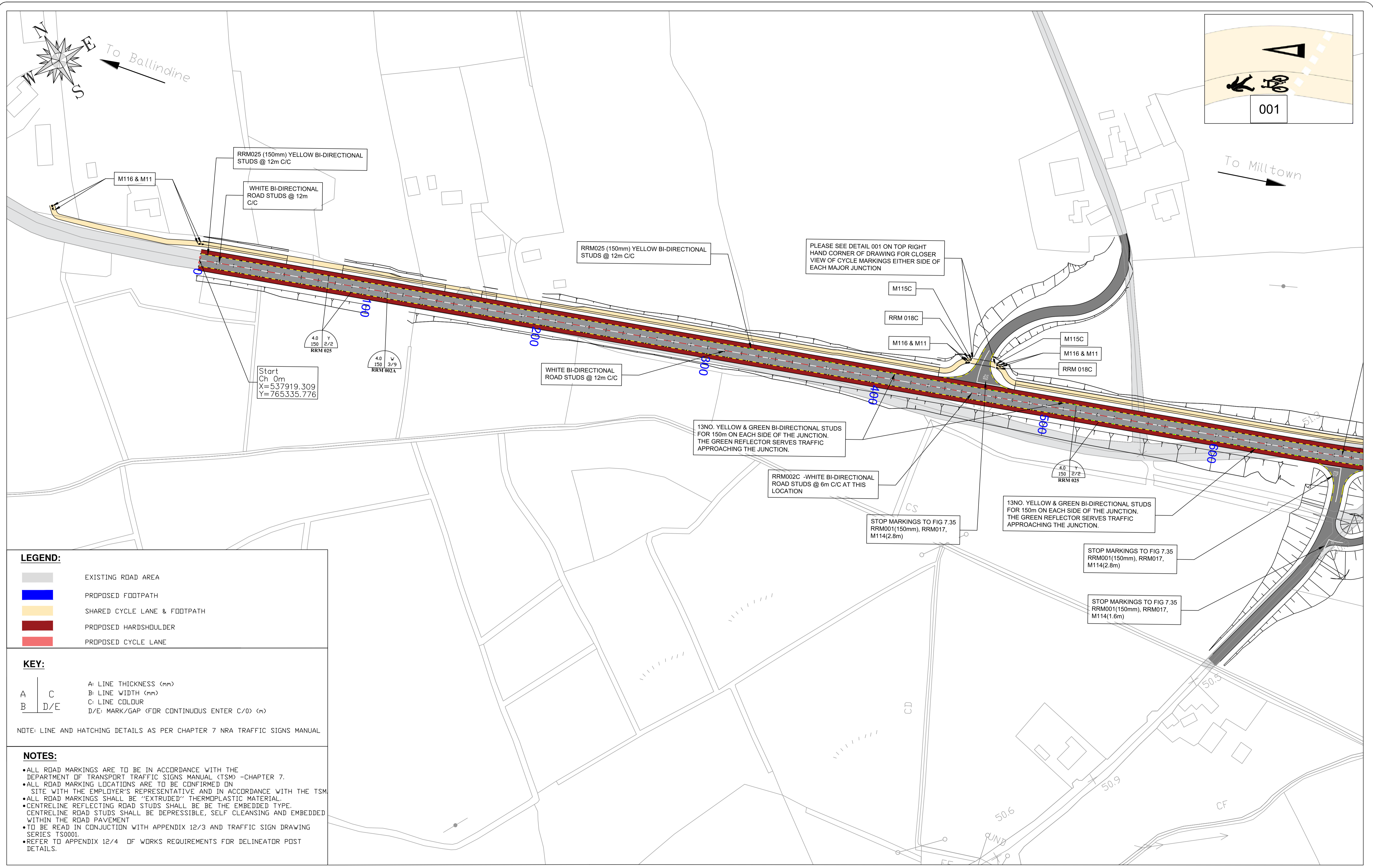


- LEGEND:**
- 10m High- Axia 3.2 5266 Integrated lenses
32 OSL on square giant
 - 6m High- Axia 3.2 5296 Integrated lenses
16 OSL on square giant
 - Existing High Level Street Lighting
 - Proposed Footpath
 - Shared Cycle Lane & Footpath
 - Proposed Hardshoulder
 - Proposed Cycle Lane



REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown to Gortnagunned Realignment Scheme	
COMPONENT: Design Drawings	
TITLE: Proposed Lighting Layout CH2200 - CH2945	
DESIGNED BY:	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000 @ A1, 1:2000 @ A3
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: PL-01	



LEGEND:

	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE

KEY:

A	C	A: LINE THICKNESS (mm)
B	D/E	B: LINE WIDTH (mm)
		C: LINE COLOUR
		D/E: MARK/GAP (FOR CONTINUOUS ENTER C/0) (m)

NOTE: LINE AND HATCHING DETAILS AS PER CHAPTER 7 NRA TRAFFIC SIGNS MANUAL

NOTES:

- ALL ROAD MARKINGS ARE TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL (TSM) -CHAPTER 7.
- ALL ROAD MARKING LOCATIONS ARE TO BE CONFIRMED ON SITE WITH THE EMPLOYER'S REPRESENTATIVE AND IN ACCORDANCE WITH THE TSM.
- ALL ROAD MARKINGS SHALL BE "EXTRUDED" THERMOPLASTIC MATERIAL.
- CENTRELINE REFLECTING ROAD STUDS SHALL BE THE EMBEDDED TYPE. CENTRELINE ROAD STUDS SHALL BE DEPRESSIBLE, SELF CLEANSING AND EMBEDDED WITHIN THE ROAD PAVEMENT.
- TO BE READ IN CONJUNCTION WITH APPENDIX 12/3 AND TRAFFIC SIGN DRAWING SERIES TS001.
- REFER TO APPENDIX 12/4 OF WORKS REQUIREMENTS FOR DELINEATOR POST DETAILS.

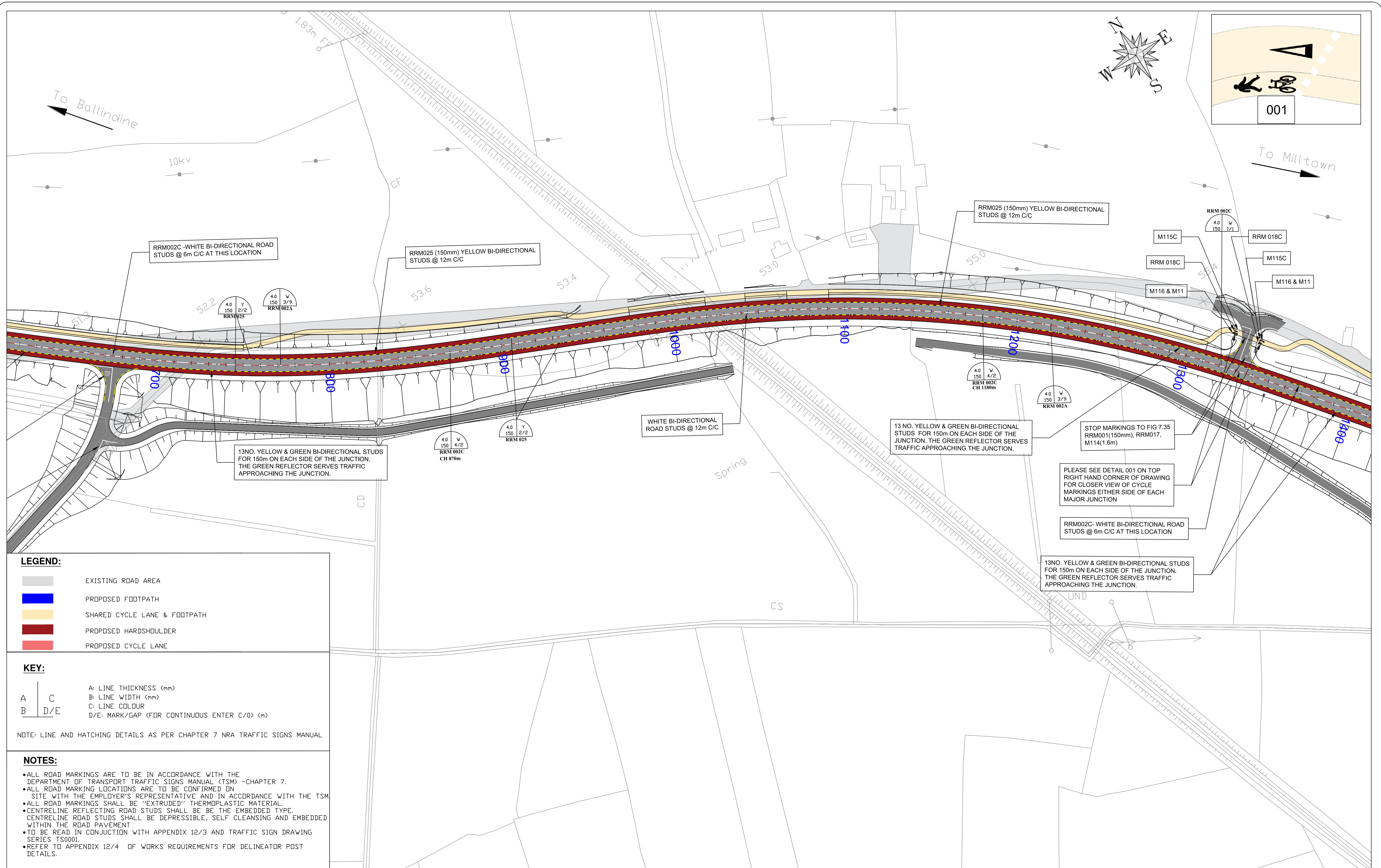


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 Galway County Council,
 Corporate House,
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 Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Road Markings CH 0-CH 650		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
			DRAWING NO.: RM-01



LEGEND:

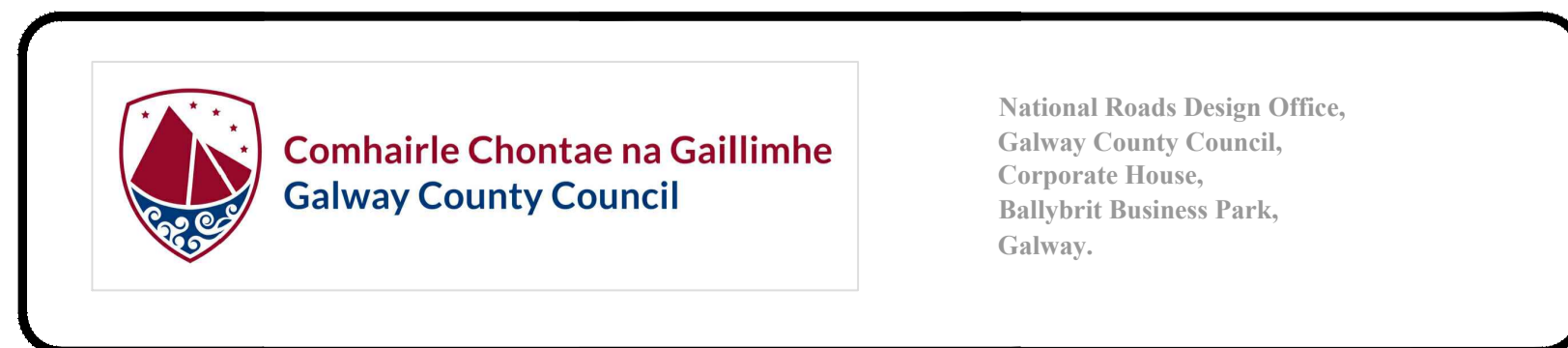
	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE

KEY:

A	C	A: LINE THICKNESS (mm)
B	D/E	B: LINE WIDTH (mm)
		C: LINE COLOUR
		D/E: MARK/GAP (FOR CONTINUOUS ENTER C/D) (m)

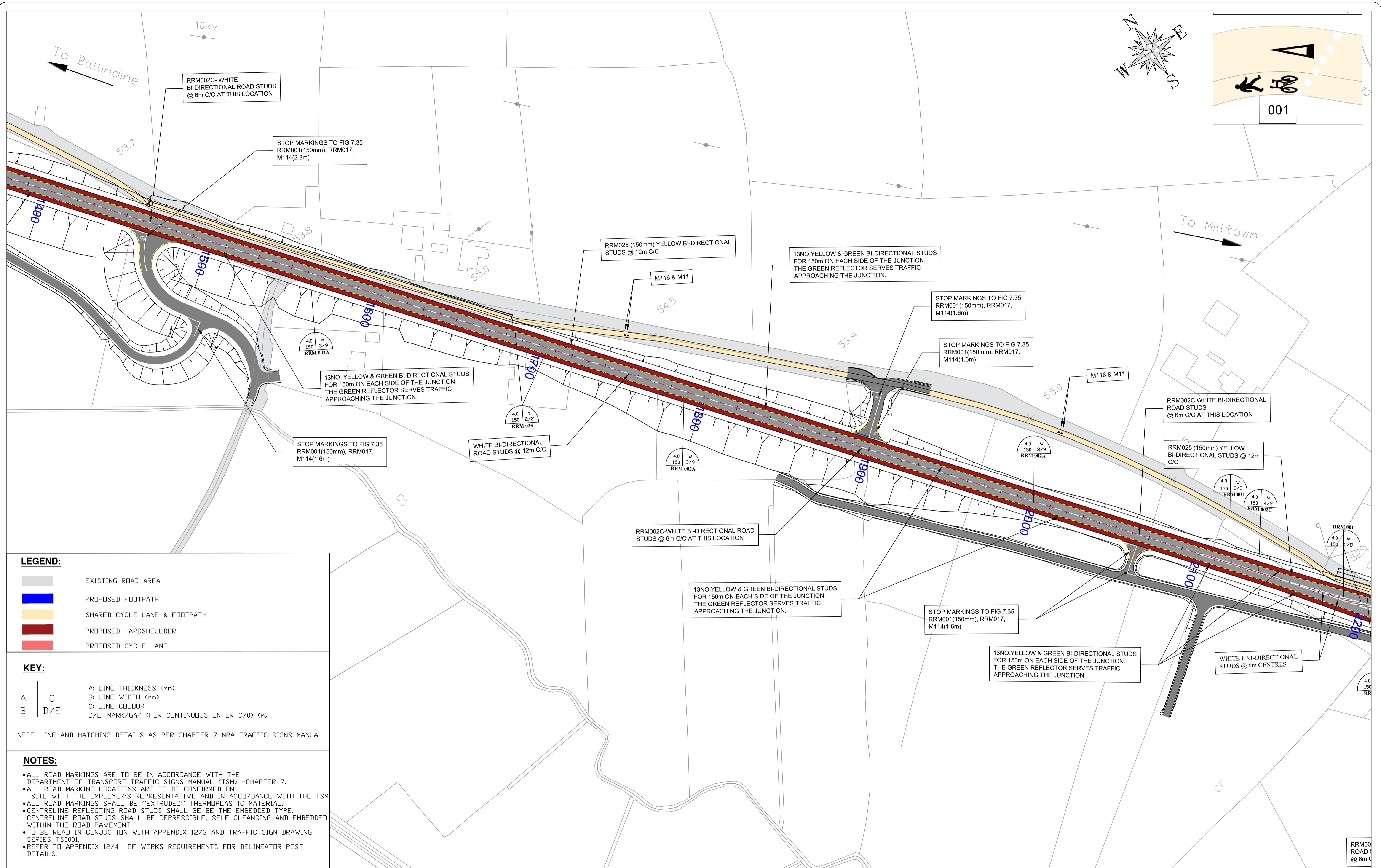
NOTE: LINE AND HATCHING DETAILS AS PER CHAPTER 7 NRA TRAFFIC SIGNS MANUAL

- NOTES:**
- ALL ROAD MARKINGS ARE TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL (TSM) -CHAPTER 7.
 - ALL ROAD MARKING LOCATIONS ARE TO BE CONFIRMED ON SITE WITH THE EMPLOYER'S REPRESENTATIVE AND IN ACCORDANCE WITH THE TSM
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 - TO BE READ IN CONJUNCTION WITH APPENDIX 12/3 AND TRAFFIC SIGN DRAWING SERIES TS001.
 - REFER TO APPENDIX 12/4 OF WORKS REQUIREMENTS FOR DELINEATOR POST DETAILS.



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Road Markings CH 650-CH 1400		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	RM-02



LEGEND:

- EXISTING ROAD AREA
- PROPOSED FOOTPATH
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED HARDSHOULDER
- PROPOSED CYCLE LANE

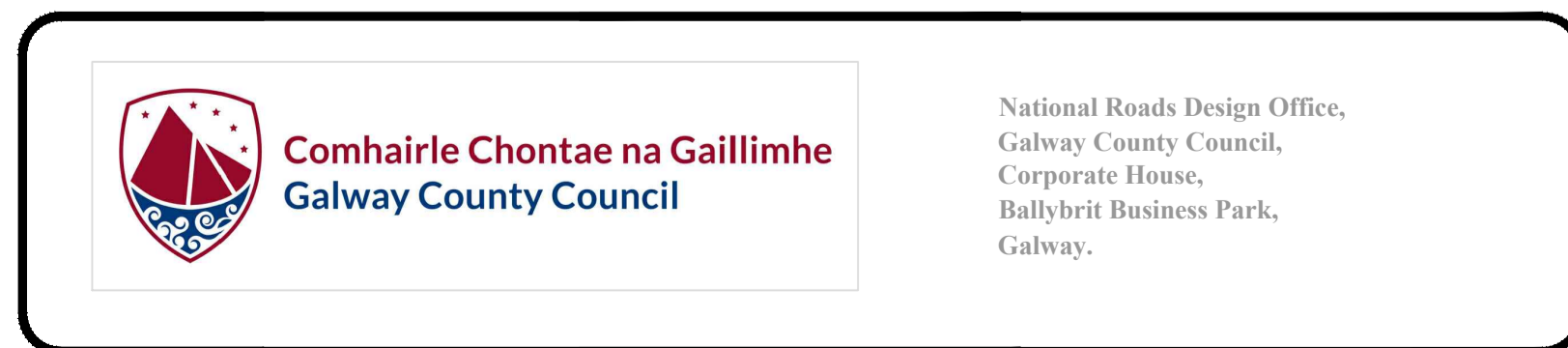
KEY:

A	C	A: LINE THICKNESS (mm)
B	D/E	B: LINE WIDTH (mm)
		C: LINE COLOUR
		D/E: MARK/GAP (FOR CONTINUOUS ENTER C/D) (m)

NOTE: LINE AND HATCHING DETAILS AS PER CHAPTER 7 NRA TRAFFIC SIGNS MANUAL

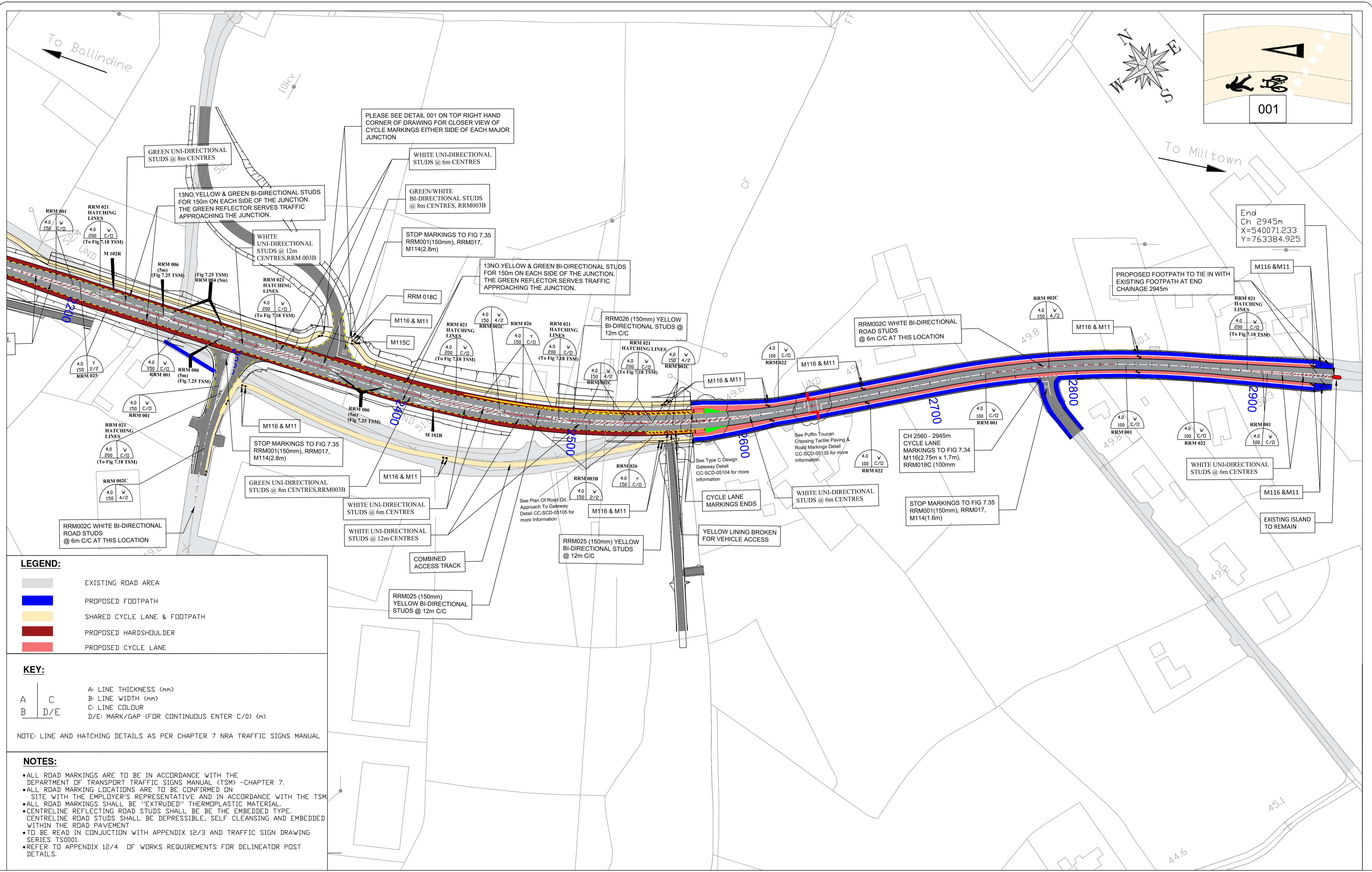
NOTES:

- ALL ROAD MARKINGS ARE TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL (TSM) -CHAPTER 7.
- ALL ROAD MARKING LOCATIONS ARE TO BE CONFIRMED ON SITE WITH THE EMPLOYER'S REPRESENTATIVE AND IN ACCORDANCE WITH THE TSM
- ALL ROAD MARKINGS SHALL BE "EXTRUDED" THERMOPLASTIC MATERIAL.
- CENTRELINE REFLECTING ROAD STUDS SHALL BE THE EMBEDDED TYPE. CENTRELINE ROAD STUDS SHALL BE DEPRESSIBLE, SELF CLEANSING AND EMBEDDED WITHIN THE ROAD PAVEMENT
- TO BE READ IN CONJUNCTION WITH APPENDIX 12/3 AND TRAFFIC SIGN DRAWING SERIES TS001.
- REFER TO APPENDIX 12/4 OF WORKS REQUIREMENTS FOR DELINEATOR POST DETAILS.



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Road Markings CH 1400-CH 2200		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	RM-03



LEGEND:

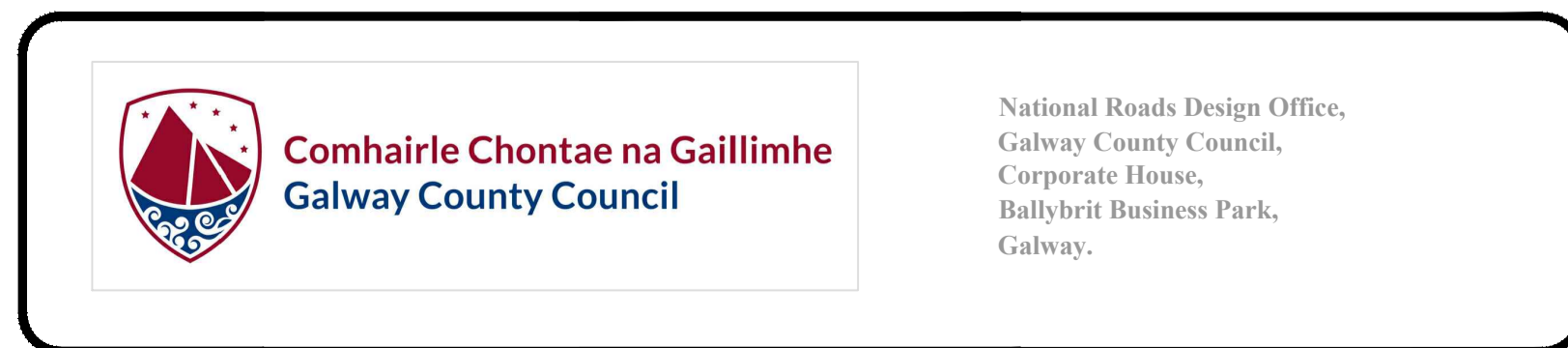
	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE

KEY:

A	C	A: LINE THICKNESS (mm)
B	D/E	B: LINE WIDTH (mm)
		C: LINE COLOUR
		D/E: MARK/GAP (FOR CONTINUOUS ENTER C/D) (m)

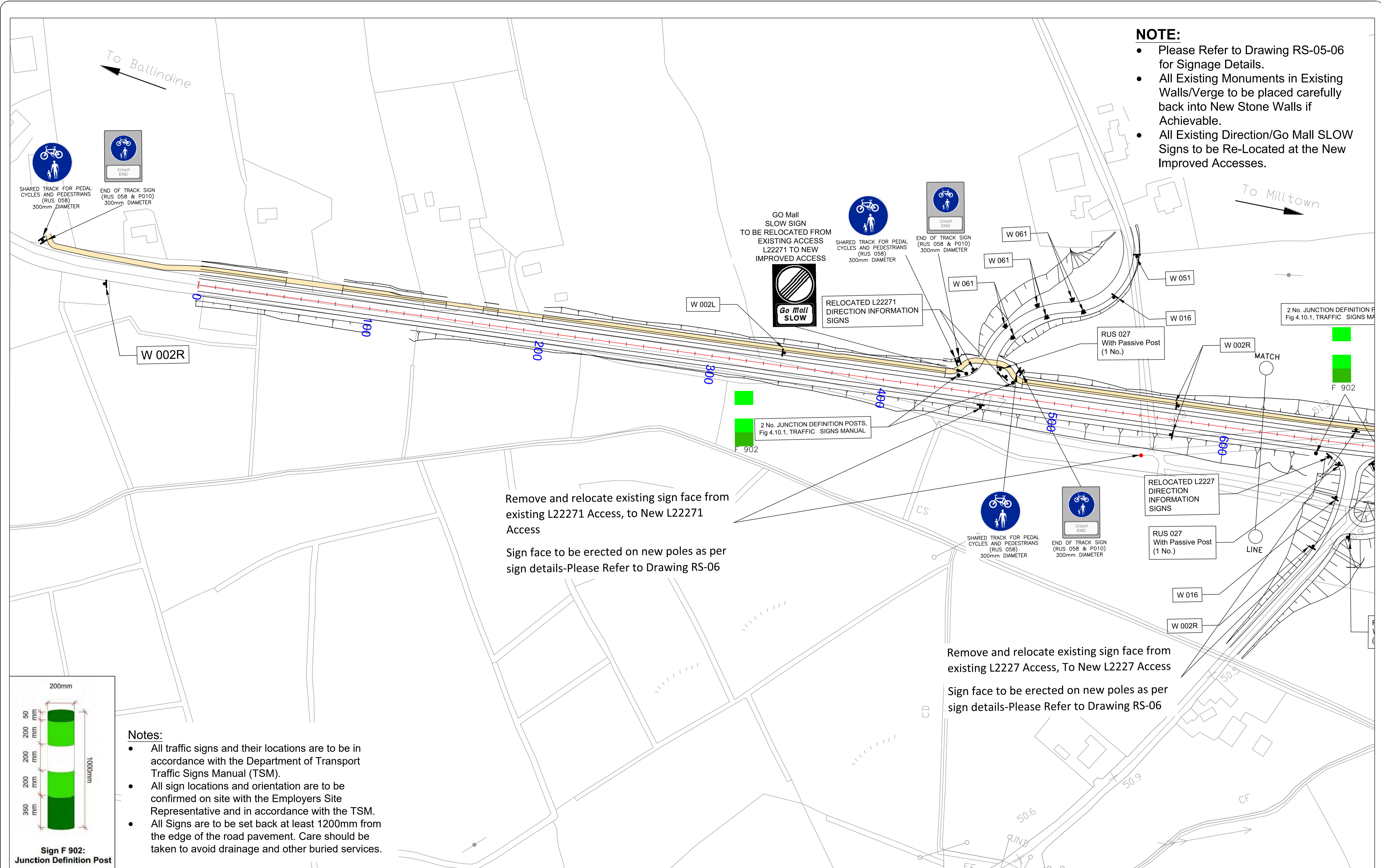
NOTE: LINE AND HATCHING DETAILS AS PER CHAPTER 7 NRA TRAFFIC SIGNS MANUAL

- NOTES:**
- ALL ROAD MARKINGS ARE TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL (TSM) - CHAPTER 7.
 - ALL ROAD MARKING LOCATIONS ARE TO BE CONFIRMED ON SITE WITH THE EMPLOYER'S REPRESENTATIVE AND IN ACCORDANCE WITH THE TSM.
 - ALL ROAD MARKINGS SHALL BE "EXTRUDED" THERMOPLASTIC MATERIAL.
 - CENTRELINE REFLECTING ROAD STUDS SHALL BE THE EMBEDDED TYPE. CENTRELINE ROAD STUDS SHALL BE DEPRESSIBLE, SELF-CLEANING AND EMBEDDED WITHIN THE ROAD PAVEMENT.
 - TO BE READ IN CONJUNCTION WITH APPENDIX 12/3 AND TRAFFIC SIGN DRAWING SERIES TS001.
 - REFER TO APPENDIX 12/4 OF WORKS REQUIREMENTS FOR DELINEATOR POST DETAILS.



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Road Markings CH 2200-CH 2945		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALE:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
		DRAWING NO.:	RM-04



- NOTE:**
- Please Refer to Drawing RS-05-06 for Signage Details.
 - All Existing Monuments in Existing Walls/Verge to be placed carefully back into New Stone Walls if Achievable.
 - All Existing Direction/Go Mall SLOW Signs to be Re-Located at the New Improved Accesses.

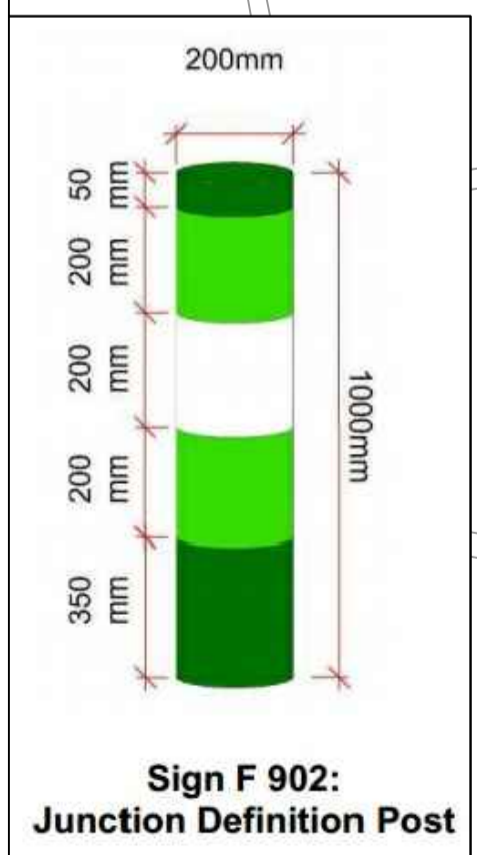
Remove and relocate existing sign face from existing L22271 Access, to New L22271 Access

Sign face to be erected on new poles as per sign details-Please Refer to Drawing RS-06

Remove and relocate existing sign face from existing L2227 Access, To New L2227 Access

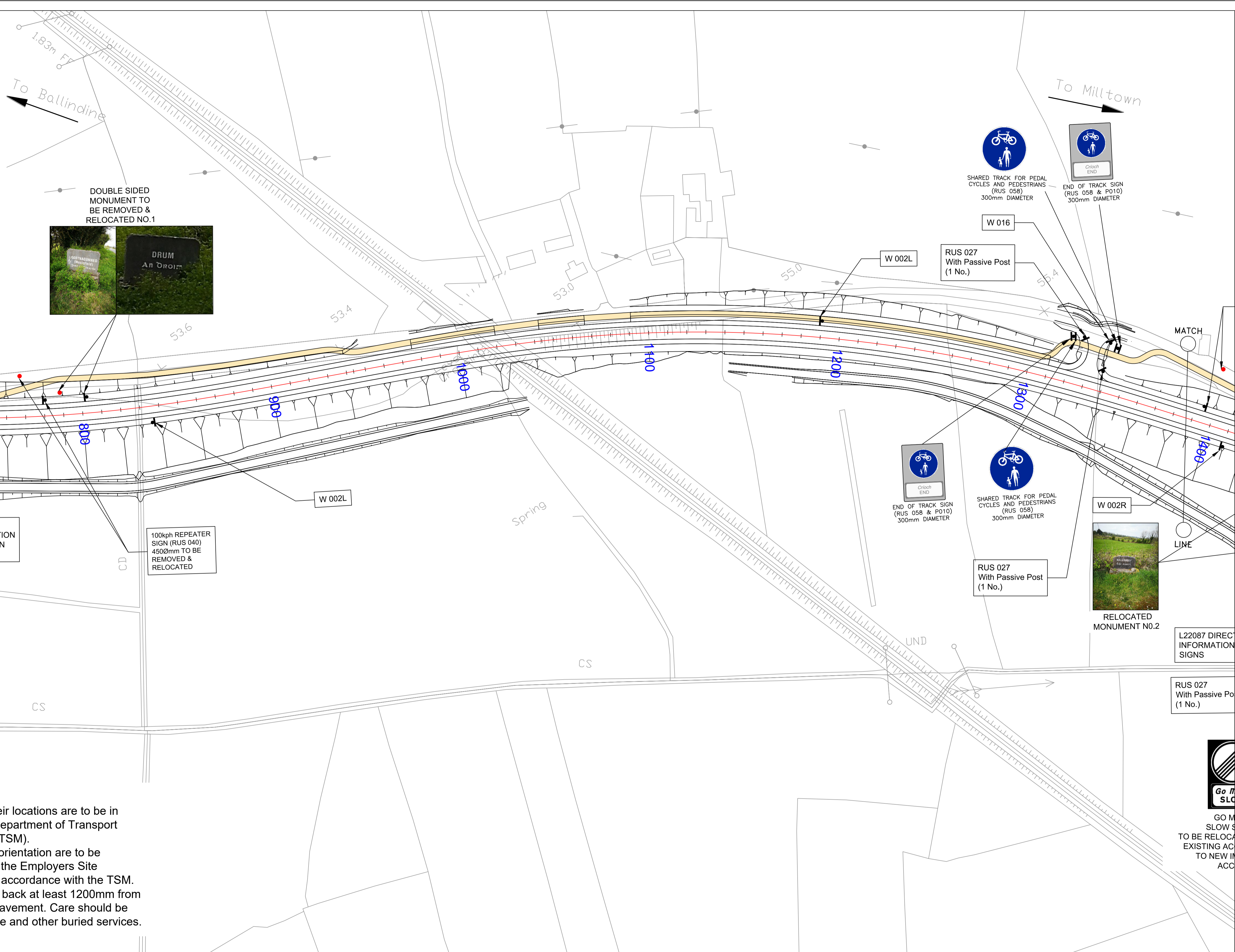
Sign face to be erected on new poles as per sign details-Please Refer to Drawing RS-06

- Notes:**
- All traffic signs and their locations are to be in accordance with the Department of Transport Traffic Signs Manual (TSM).
 - All sign locations and orientation are to be confirmed on site with the Employers Site Representative and in accordance with the TSM.
 - All Signs are to be set back at least 1200mm from the edge of the road pavement. Care should be taken to avoid drainage and other buried services.

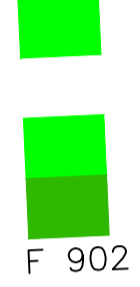


NOTE:

- Please Refer to Drawing RS-05-06 for Signage Details.
- All Existing Monuments in Existing Walls/Verge to be placed carefully back into New Stone Walls if Achievable.
- All Existing Direction/Go Mall SLOW Signs to be Re-Located at the New Improved Accesses.



2 No. JUNCTION DEFINITION POSTS, Fig 4.10.1, TRAFFIC SIGNS MANUAL



GO Mall SLOW SIGN TO BE RELOCATED FROM EXISTING ACCESS L2227 TO NEW IMPROVED ACCESS



DOUBLE SIDED MONUMENT TO BE REMOVED & RELOCATED NO.1



RELOCATED L2227 DIRECTION INFORMATION SIGNS

100kph REPEATER SIGN (RUS 040) 4500mm TO BE REMOVED & RELOCATED

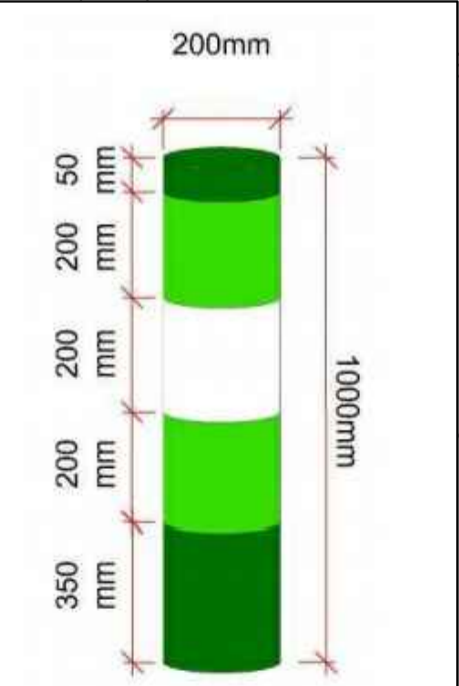
RUS 027 With Passive Post (1 No.)

RUS 027 With Passive Post (1 No.)

L22087 DIRECTION INFORMATION SIGNS

RUS 027 With Passive Post (1 No.)

RELOCATED MONUMENT NO.2



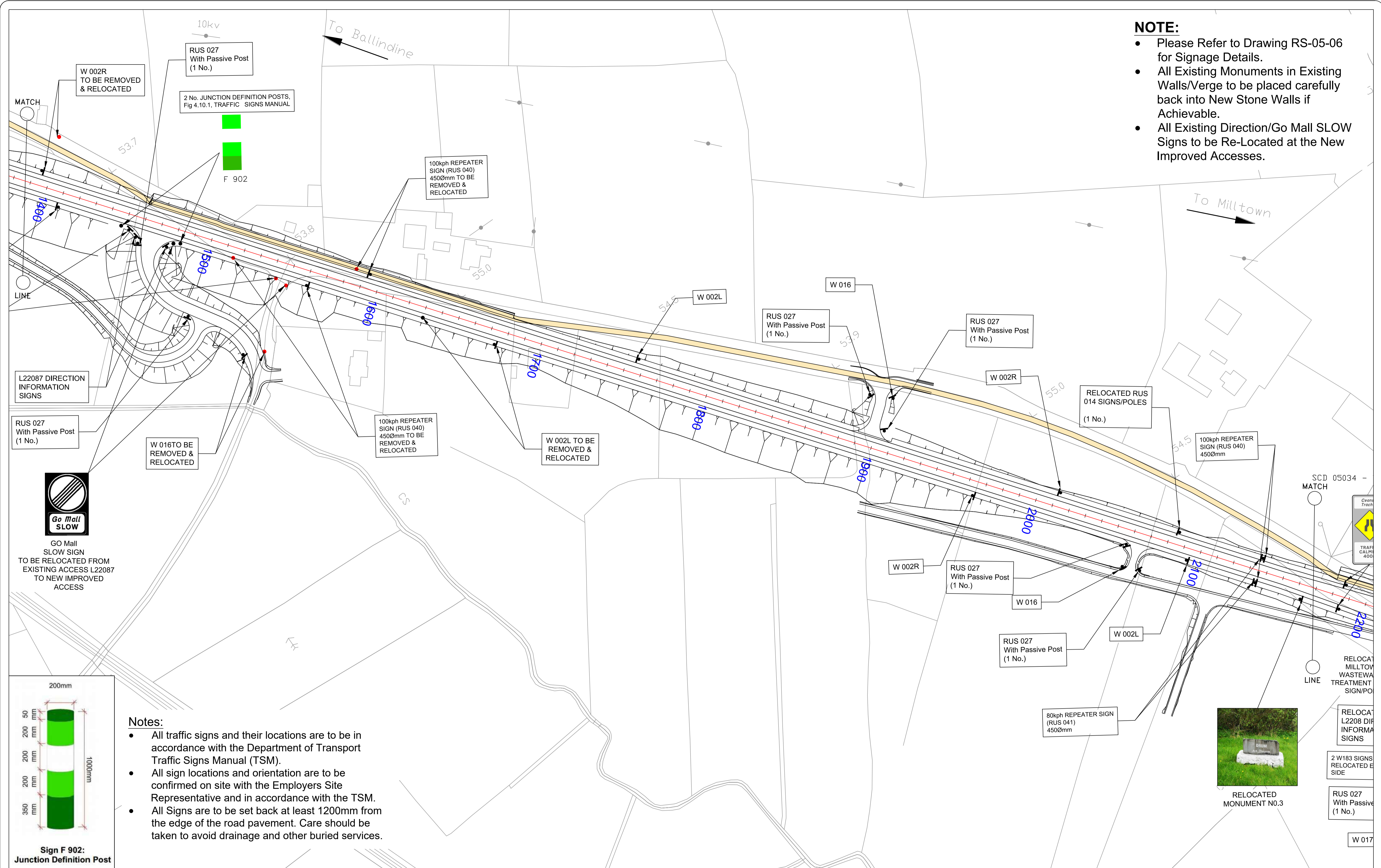
Sign F 902: Junction Definition Post

Notes:

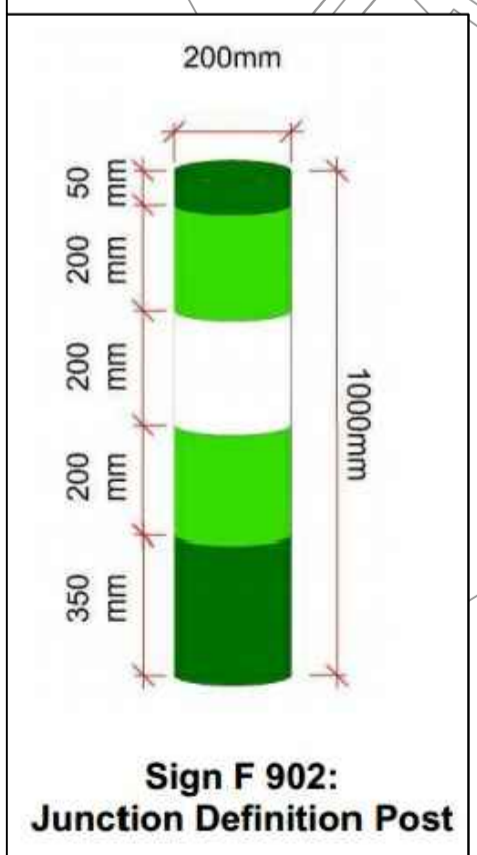
- All traffic signs and their locations are to be in accordance with the Department of Transport Traffic Signs Manual (TSM).
- All sign locations and orientation are to be confirmed on site with the Employers Site Representative and in accordance with the TSM.
- All Signs are to be set back at least 1200mm from the edge of the road pavement. Care should be taken to avoid drainage and other buried services.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunnd	
COMPONENT: Road Signing CH 650-CH 1400	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000 @ A1, 1:2000 @ A3
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: RS-02	



- NOTE:**
- Please Refer to Drawing RS-05-06 for Signage Details.
 - All Existing Monuments in Existing Walls/Verge to be placed carefully back into New Stone Walls if Achievable.
 - All Existing Direction/Go Mall SLOW Signs to be Re-Located at the New Improved Accesses.

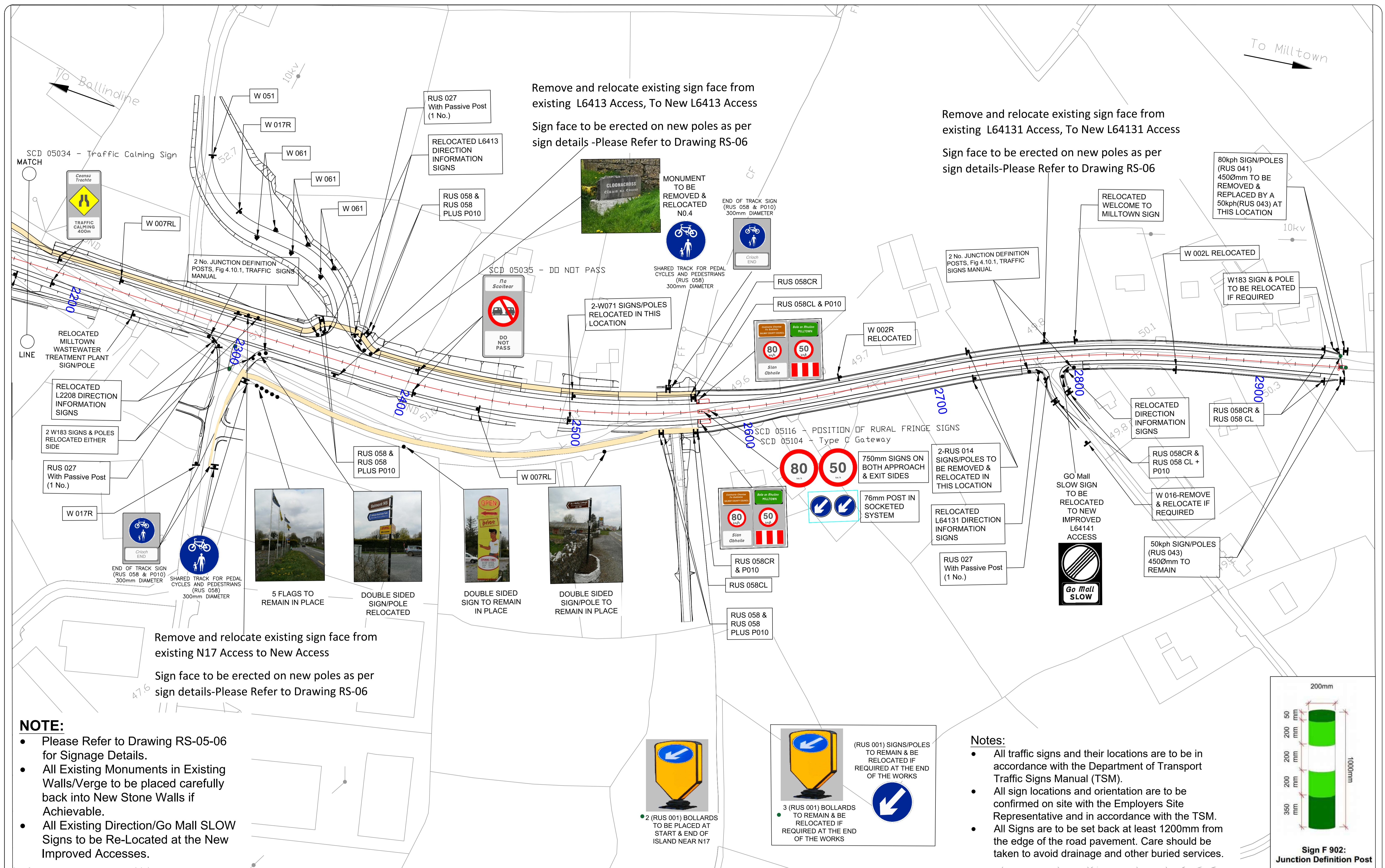


- Notes:**
- All traffic signs and their locations are to be in accordance with the Department of Transport Traffic Signs Manual (TSM).
 - All sign locations and orientation are to be confirmed on site with the Employers Site Representative and in accordance with the TSM.
 - All Signs are to be set back at least 1200mm from the edge of the road pavement. Care should be taken to avoid drainage and other buried services.



REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunnd		
COMPONENT:	Road Signing CH 1400-CH 2200		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE No.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING No.:			RS-03



Remove and relocate existing sign face from existing L6413 Access, To New L6413 Access
 Sign face to be erected on new poles as per sign details -Please Refer to Drawing RS-06

Remove and relocate existing sign face from existing L64131 Access, To New L64131 Access
 Sign face to be erected on new poles as per sign details-Please Refer to Drawing RS-06

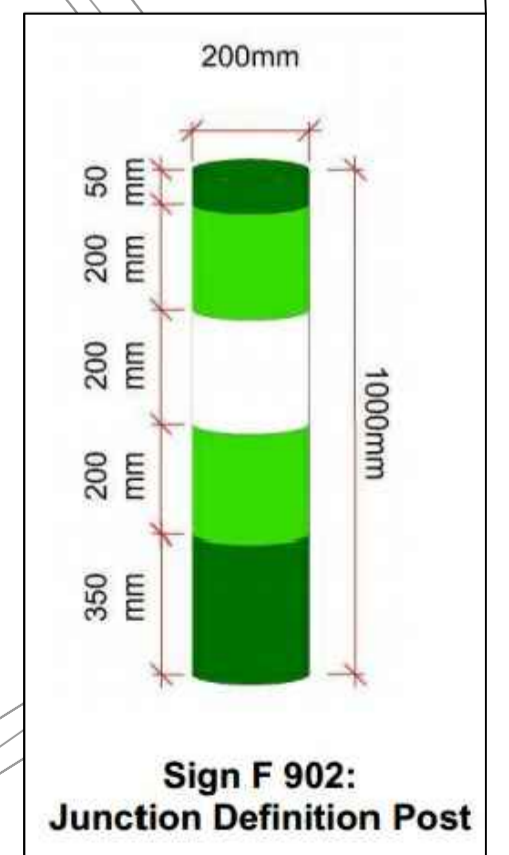
Remove and relocate existing sign face from existing N17 Access to New Access
 Sign face to be erected on new poles as per sign details-Please Refer to Drawing RS-06

NOTE:

- Please Refer to Drawing RS-05-06 for Signage Details.
- All Existing Monuments in Existing Walls/Verge to be placed carefully back into New Stone Walls if Achievable.
- All Existing Direction/Go Mall SLOW Signs to be Re-Located at the New Improved Accesses.

Notes:

- All traffic signs and their locations are to be in accordance with the Department of Transport Traffic Signs Manual (TSM).
- All sign locations and orientation are to be confirmed on site with the Employers Site Representative and in accordance with the TSM.
- All Signs are to be set back at least 1200mm from the edge of the road pavement. Care should be taken to avoid drainage and other buried services.



REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned
 COMPONENT: Road Signing CH 2200-CH 2945
 TITLE: Design Drawings
 DESIGNED BY: S.B. FILE NO.:
 DRAWN BY: A.M. SCALES: 1:1000 @ A1, 1:2000 @ A3 DRAWING NO.:
 CHECKED BY: S.B. DATE: September 2021 RS-04



W002L



RELOCATED DIRECTION INFORMATION SIGNS



W061



W051



W016



W002R



RUS 027
With Passive Post



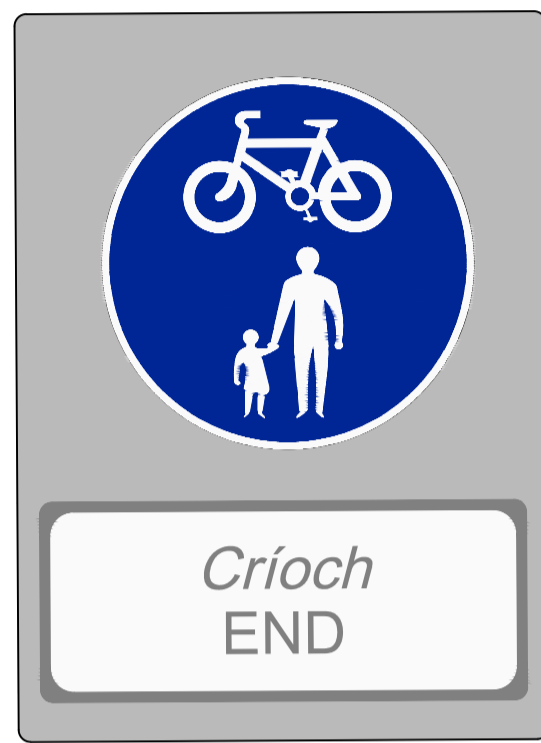
W017R



RELOCATED DIRECTION INFORMATION SIGNS



100kph REPEATER SIGN (RUS 040)
450Ømm TO BE REMOVED & RELOCATED



END OF TRACK SIGN (RUS 058 & P010)



RELOCATED DOUBLE SIDED MONUMENT NO.1



RELOCATED MONUMENT NO.2



RUS_014
(No overtaking)



80kph REPEATER SIGN (RUS 041)
450Ømm TO BE REMOVED & RELOCATED



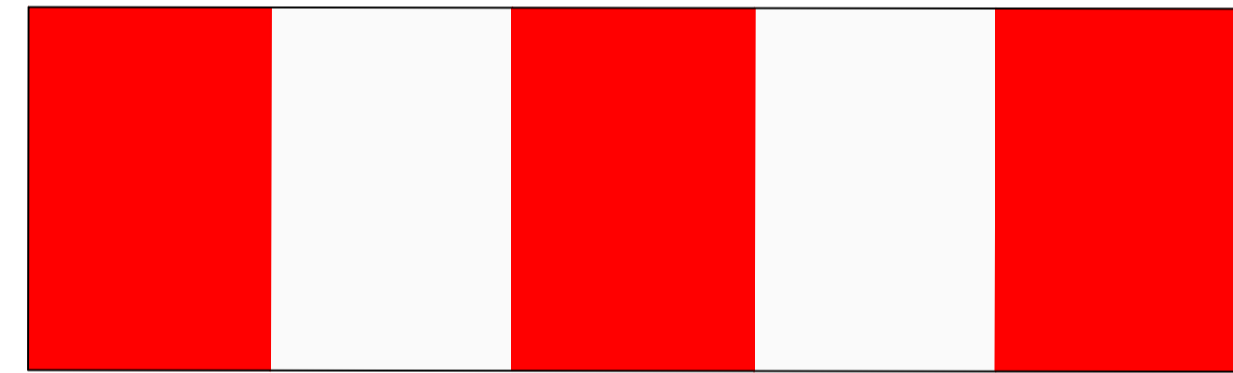
W007RL



RELOCATED MONUMENT NO.3



RELOCATED WASTEWATER TREATMENT SIGN



W183



RELOCATED DIRECTION INFORMATION SIGNS



RELOCATED MONUMENT NO.4



RELOCATED DIRECTION INFORMATION SIGNS



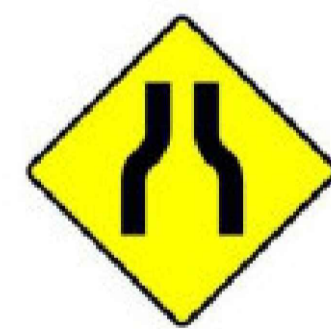
50kph REPEATER SIGN (RUS 043)
450Ømm TO BE REMOVED & RELOCATED



RELOCATED DIRECTION INFORMATION SIGNS



RELOCATED WELCOME SIGN



W 071
Road Narrows on Both Sides



- RUS 058 • P010 • RUS 058CR • RUS 058CL

- At the end of a track, the appropriate sign (RUS 058, RUS 058CR or RUS 059CR) should be erected with Supplementary Plate P 010, End, beneath it.

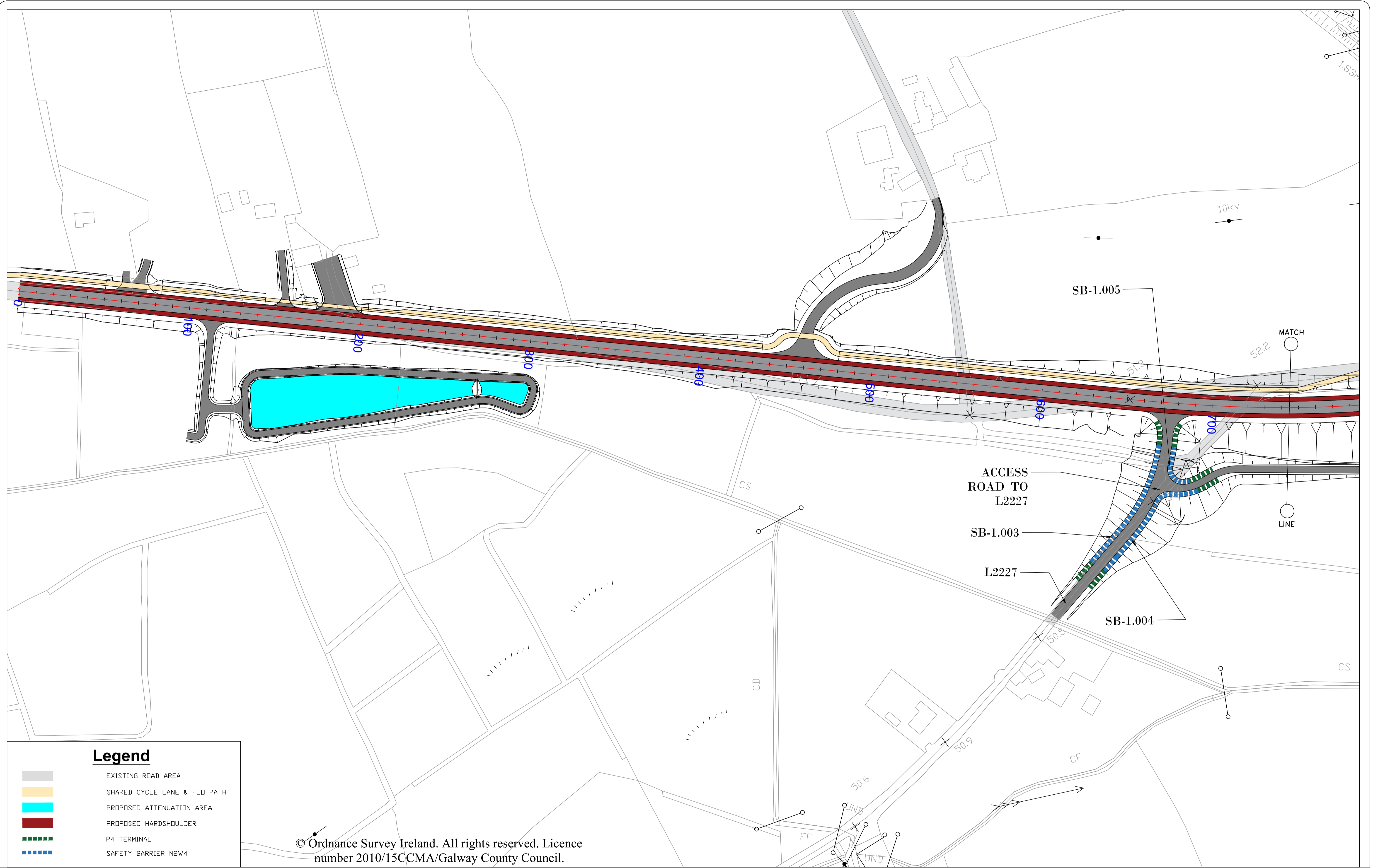


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Galway County Council

National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Milltown to Gortnagunned		
COMPONENT: Road Signs		
TITLE: Preliminary Design Drawings		
DESIGNED BY: S.E.	FILE NO.:	
DRAWN BY: A.M.	SCALES: 1:1000 • A1, 1:2000 • A3	DRAWING NO.: RS-05
CHECKED BY: S.E.	DATE: September 2021	



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Legend

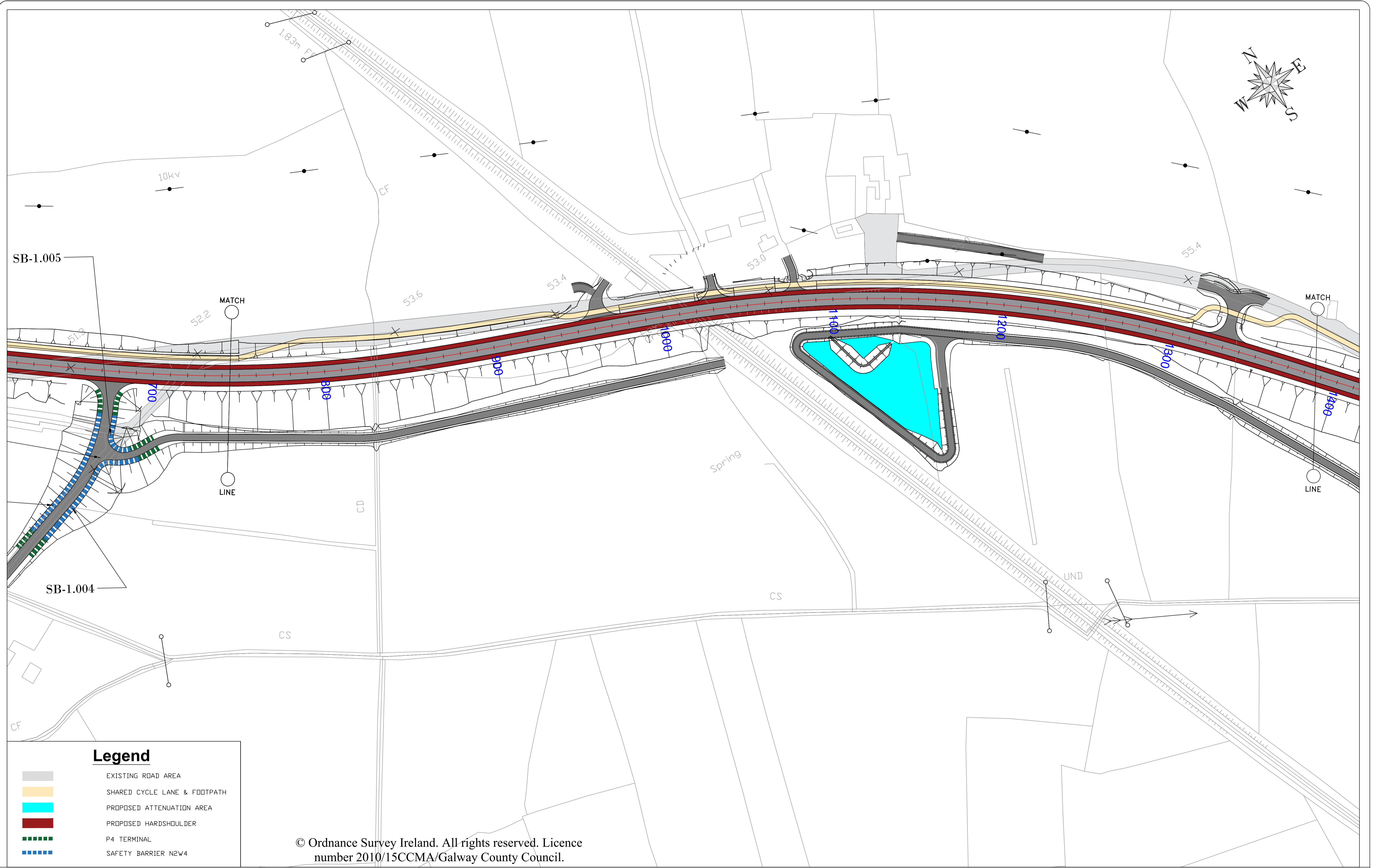
- EXISTING ROAD AREA
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED ATTENUATION AREA
- PROPOSED HARDSHOULDER
- P4 TERMINAL
- SAFETY BARRIER N2W4





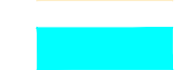



National Roads Design Office,
Galway County Council,
Corporate House,
Ballybrit Business Park,
Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Proposed VRS Location's Mainline CH 0-650		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 • A1, 1:2000 • A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			VRS-01



Legend

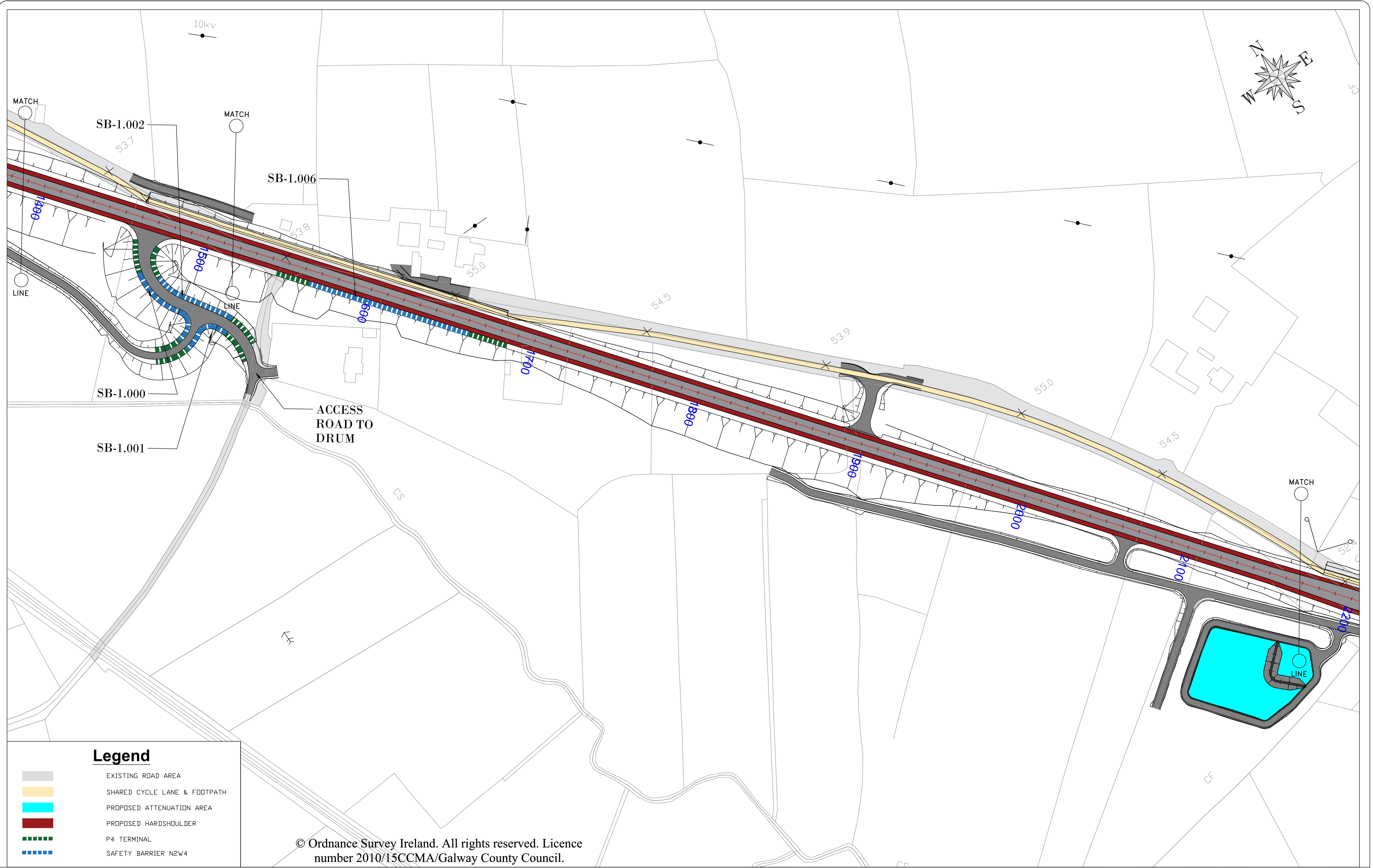
-  EXISTING ROAD AREA
-  SHARED CYCLE LANE & FOOTPATH
-  PROPOSED ATTENUATION AREA
-  PROPOSED HARD SHOULDER
-  P4 TERMINAL
-  SAFETY BARRIER N2W4

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Proposed VRS Location's Mainline CH 650-1400		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			VRS-02



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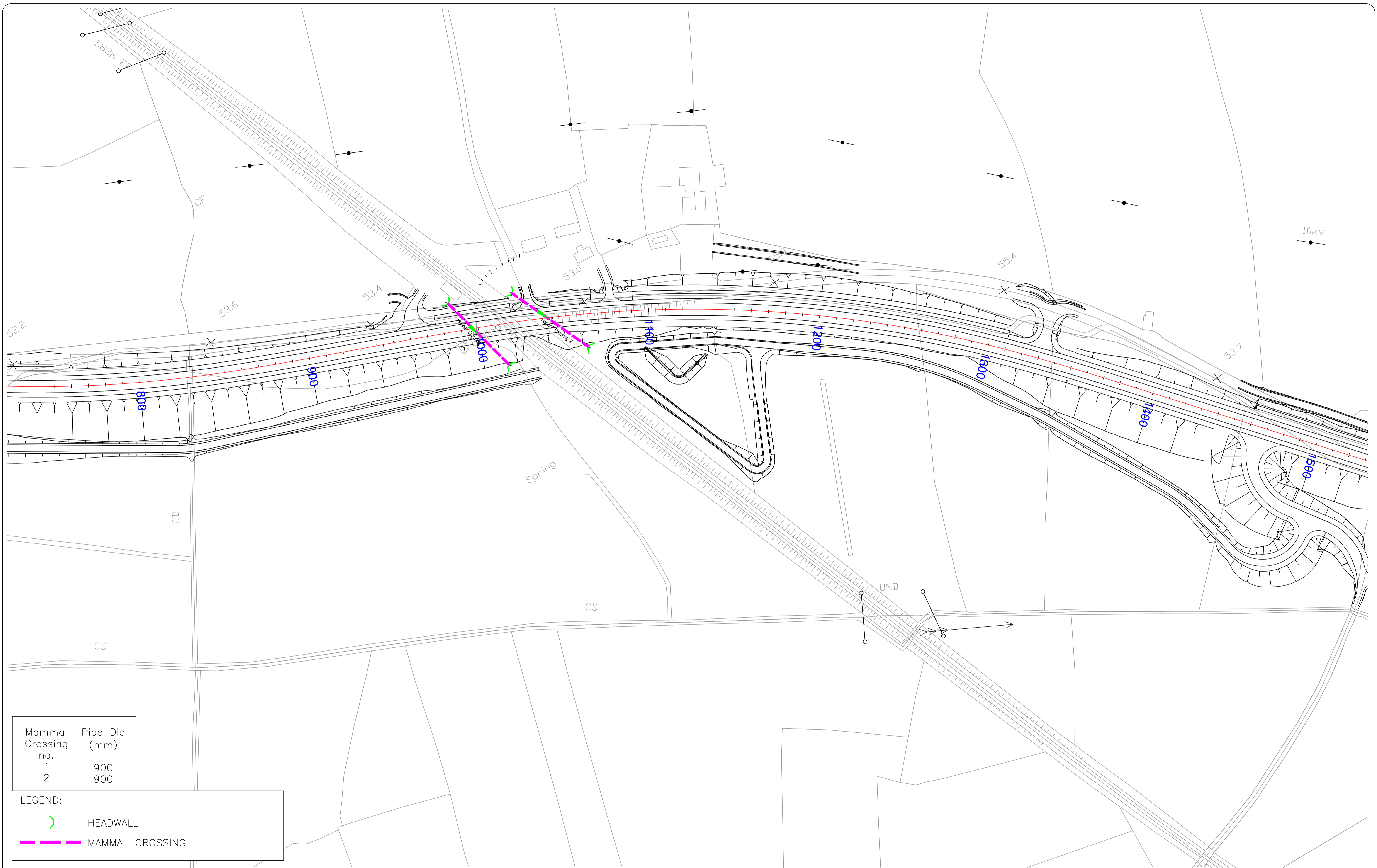
Legend

- EXISTING ROAD AREA
- SHARED CYCLE LANE & FOOTPATH
- PROPOSED ATTENUATION AREA
- PROPOSED HARD SHOULDER
- P4 TERMINAL
- SAFETY BARRIER N2W4

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REVISION:	MADE BY:	DATE:


PROJECT:	N17 Milltown to Gortnagunned		
COMPONENT:	Proposed VRS Location's Mainline CH 1400-2200		
TITLE:	Design Drawings		
DESIGNED BY:	S.B.	FILE NO.:	
DRAWN BY:	A.M.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	November 2021
DRAWING NO.:			VRS-03



Mammal Crossing no.	Pipe Dia (mm)
1	900
2	900

LEGEND:

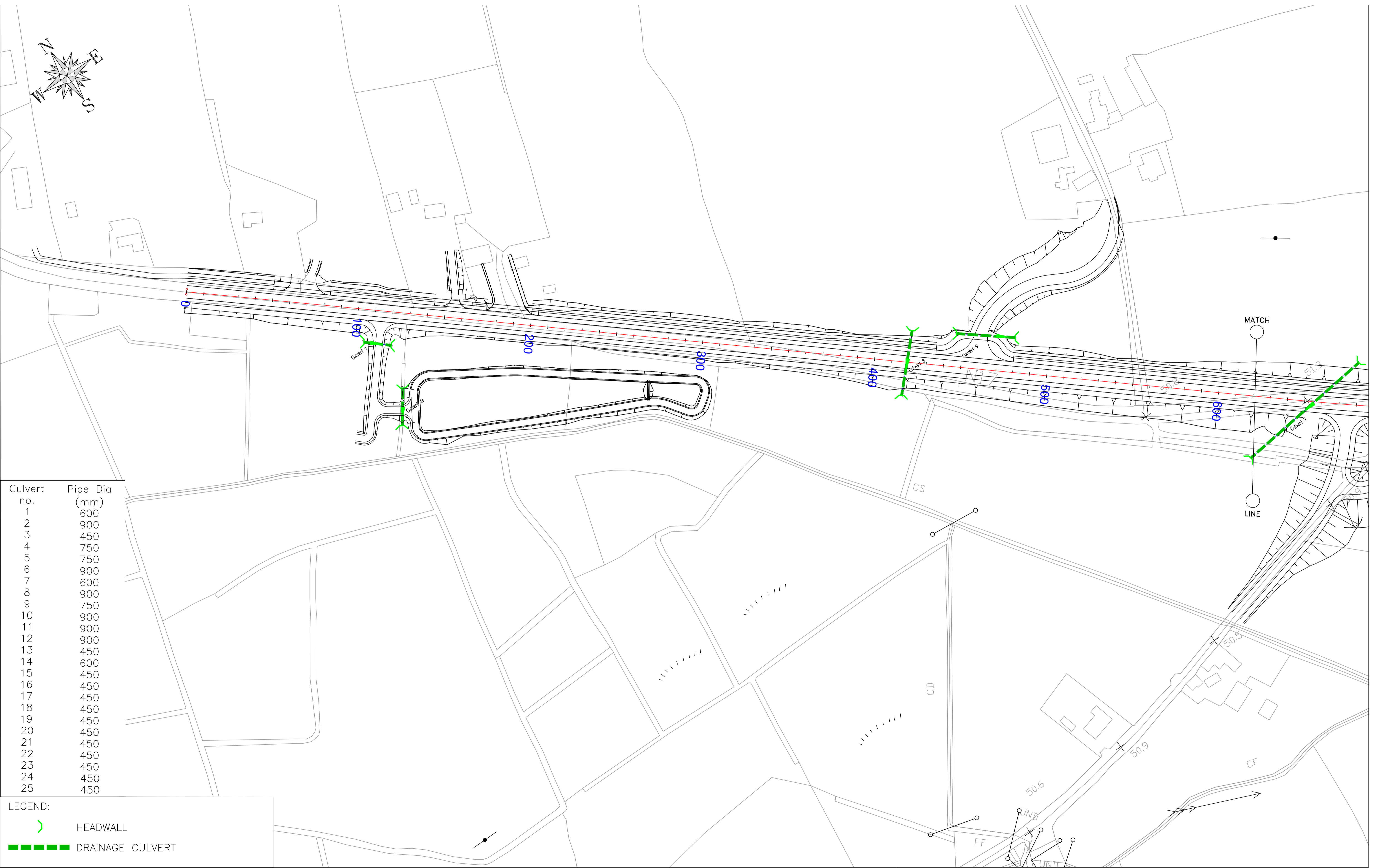
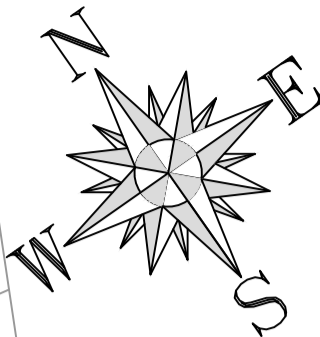
 HEADWALL

 MAMMAL CROSSING

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown to Gortnagunnd Realignment Scheme		
COMPONENT:	Preliminary Design		
TITLE:	Mammal Crossings		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			MC-01



Culvert no.	Pipe Dia (mm)
1	600
2	900
3	450
4	750
5	750
6	900
7	600
8	900
9	750
10	900
11	900
12	900
13	450
14	600
15	450
16	450
17	450
18	450
19	450
20	450
21	450
22	450
23	450
24	450
25	450

LEGEND:

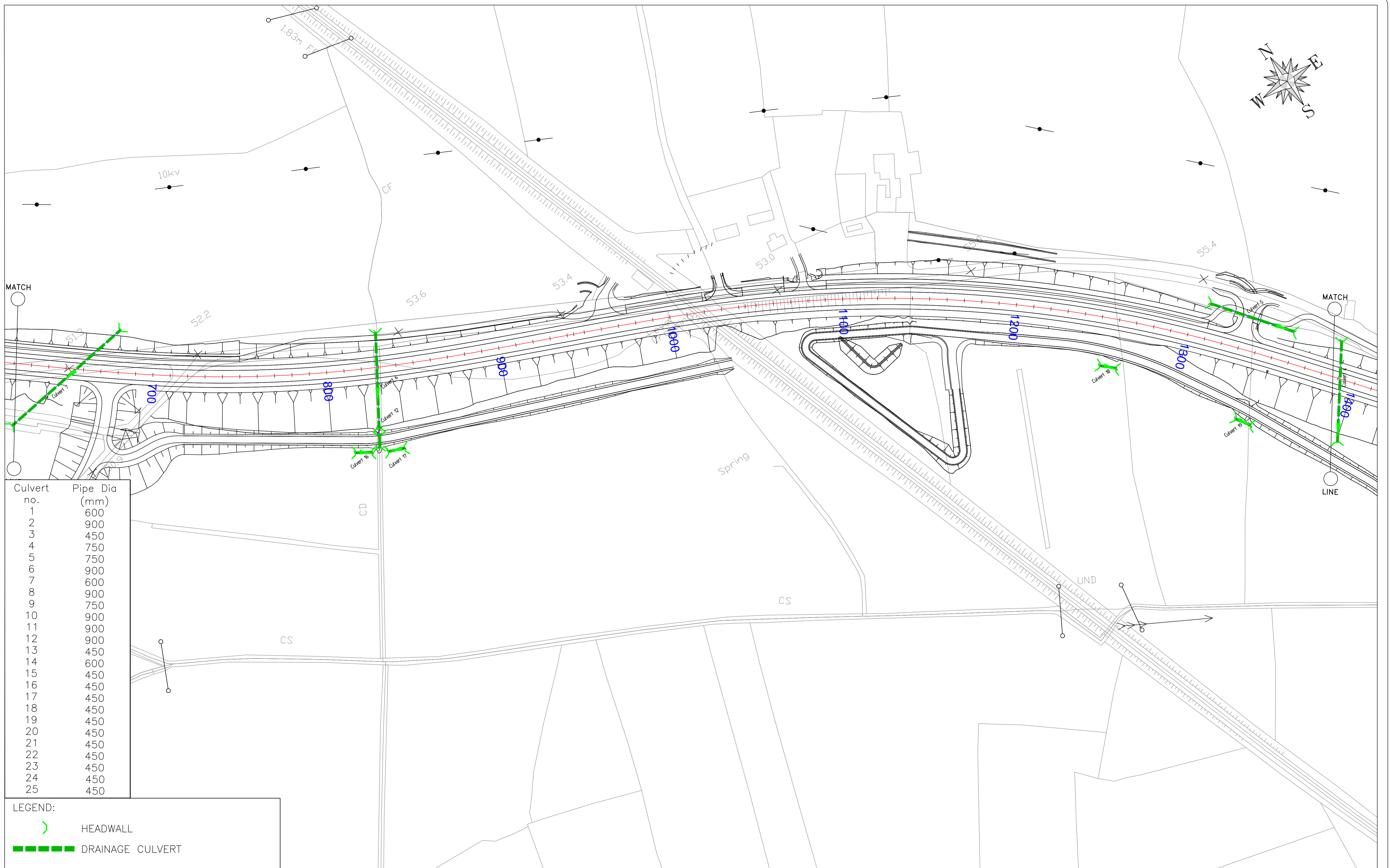
HEADWALL

DRAINAGE CULVERT

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Galway.

REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown To Gortnagunned Realignment Scheme		
COMPONENT:	Preliminary Design		
TITLE:	Culvert Layout Mainline CH0 - CH650		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CUL-01



Culvert no.	Pipe Dia (mm)
1	600
2	900
3	450
4	750
5	750
6	900
7	600
8	900
9	750
10	900
11	900
12	900
13	450
14	600
15	450
16	450
17	450
18	450
19	450
20	450
21	450
22	450
23	450
24	450
25	450

LEGEND:

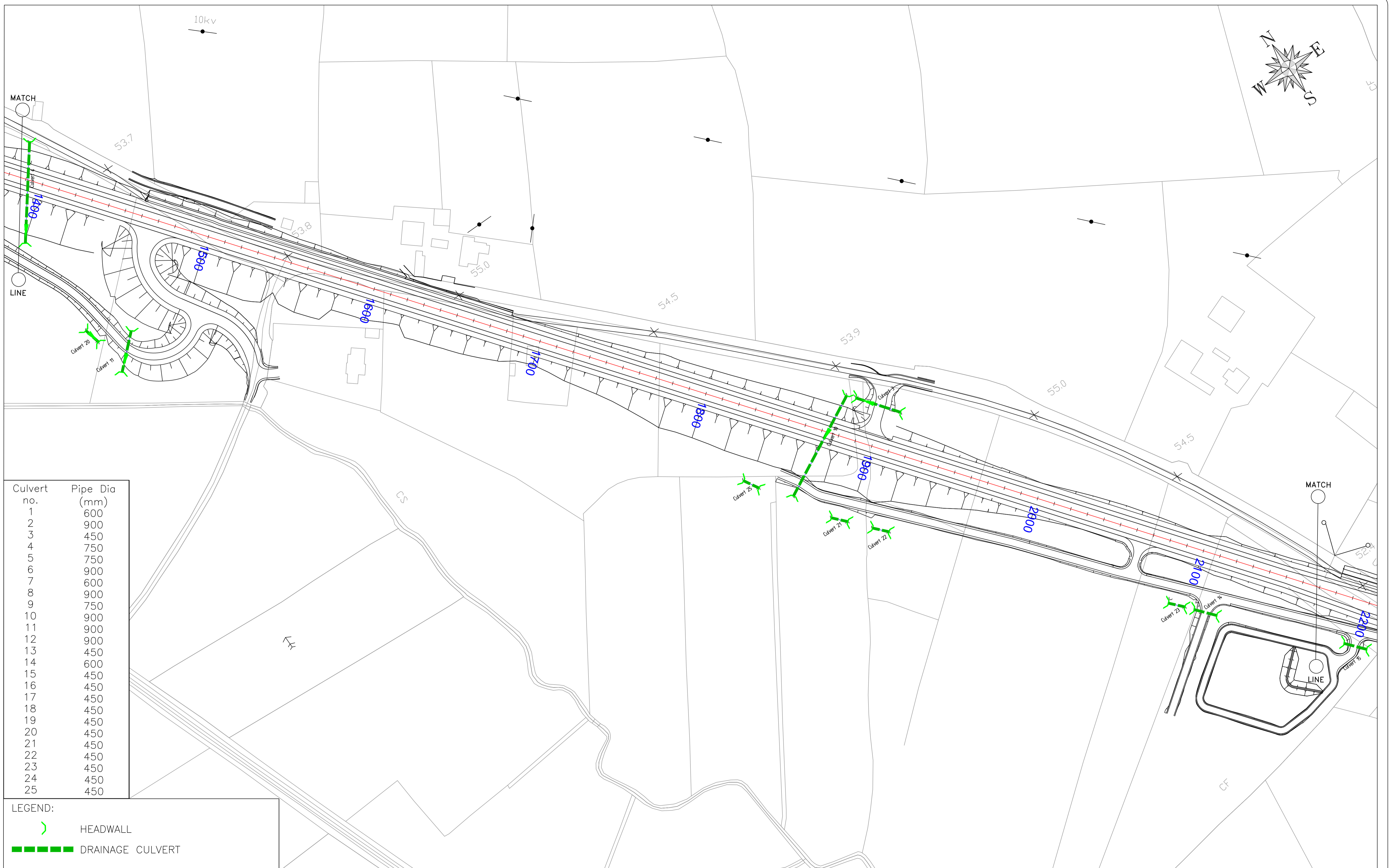
HEADWALL

DRAINAGE CULVERT

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown To Gortnagunnd Realignment Scheme		
COMPONENT:	Preliminary Design		
TITLE:	Culvert Layout Mainline CH650 - CH1400		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
DRAWING NO.:			CUL-02



Culvert no.	Pipe Dia (mm)
1	600
2	900
3	450
4	750
5	750
6	900
7	600
8	900
9	750
10	900
11	900
12	900
13	450
14	600
15	450
16	450
17	450
18	450
19	450
20	450
21	450
22	450
23	450
24	450
25	450

LEGEND:

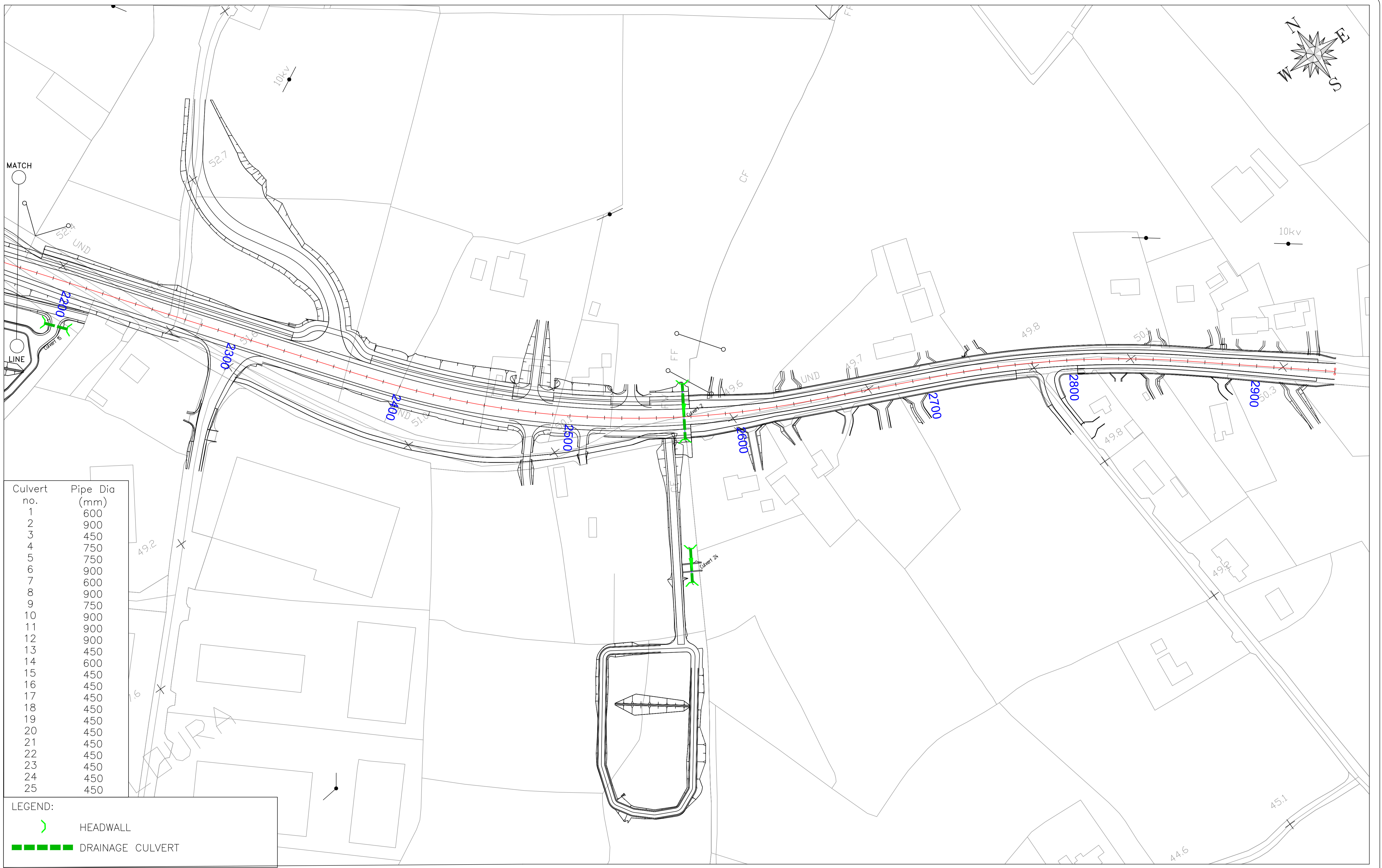
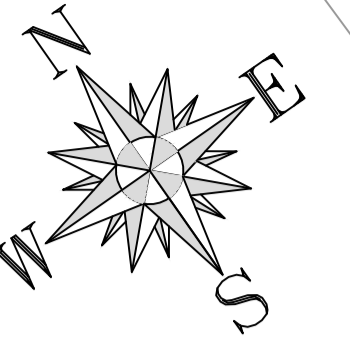
HEADWALL

DRAINAGE CULVERT

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REVISION:	MADE BY:	DATE:

PROJECT N17 Milltown To Gortnagunned Realignment Scheme	
COMPONENT: Preliminary Design	
TITLE: Culvert Layout Mainline CH1400 - CH2200	
DESIGNED BY: M.K.	FILE NO.:
DRAWN BY: M.K.	SCALES: 1:1000 @ A1, 1:2000 @ A3
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: CUL-03	



Culvert no.	Pipe Dia (mm)
1	600
2	900
3	450
4	750
5	750
6	900
7	600
8	900
9	750
10	900
11	900
12	900
13	450
14	600
15	450
16	450
17	450
18	450
19	450
20	450
21	450
22	450
23	450
24	450
25	450

LEGEND:

HEADWALL

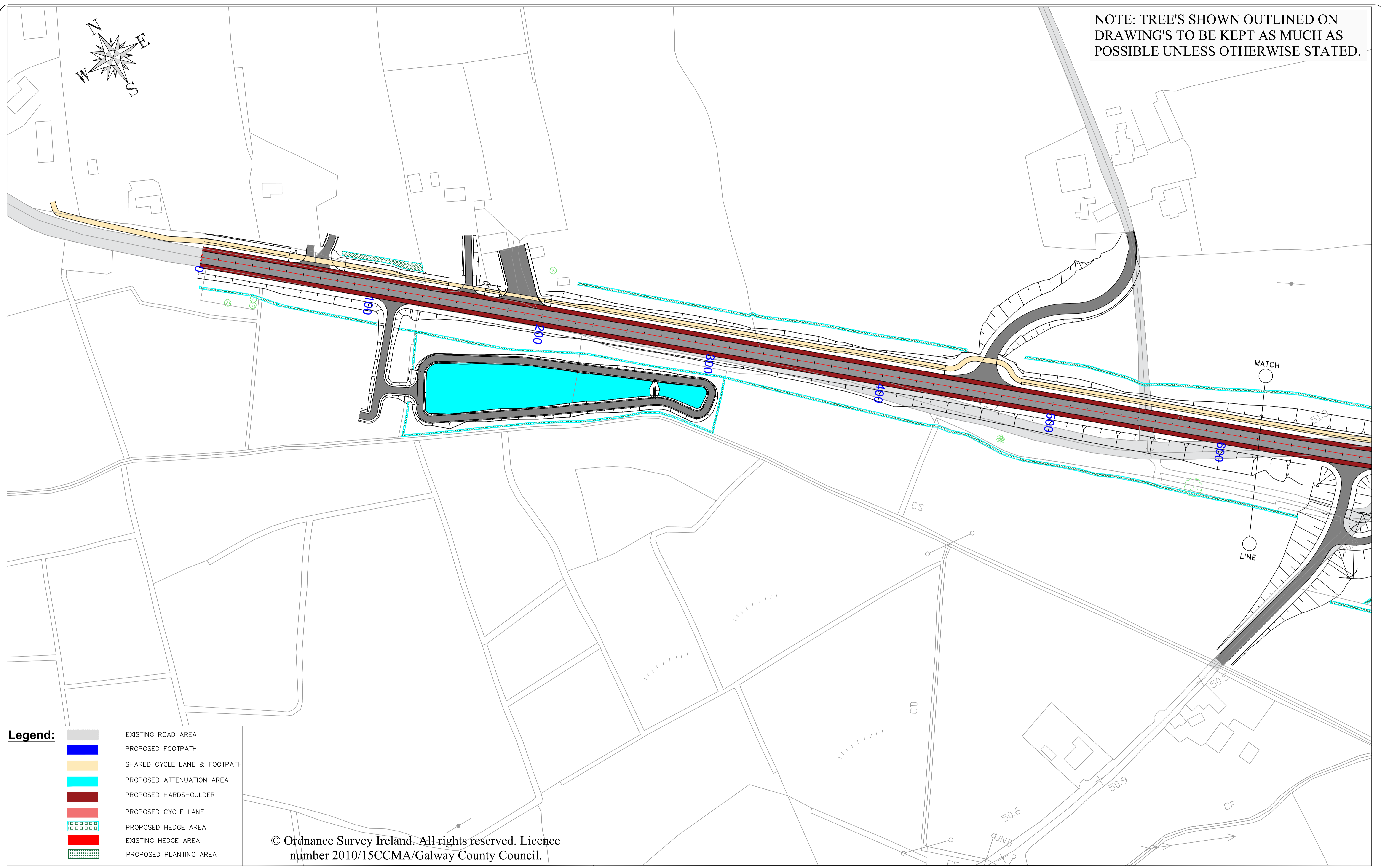
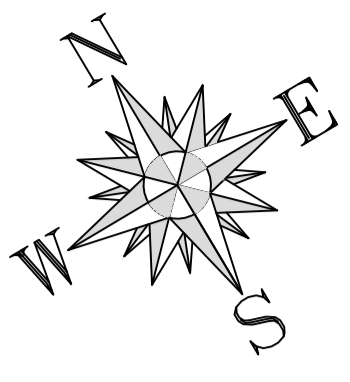
DRAINAGE CULVERT

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REVISION:	MADE BY:	DATE:

PROJECT:	N17 Milltown To Gortnagunned Realignment Scheme		
COMPONENT:	Preliminary Design		
TITLE:	Culvert Layout Mainline CH2200 - CH2945		
DESIGNED BY:	M.K.	FILE NO.:	
DRAWN BY:	M.K.	SCALES:	1:1000 @ A1, 1:2000 @ A3
CHECKED BY:	S.B.	DATE:	September 2021
			DRAWING NO.: CUL-04

NOTE: TREE'S SHOWN OUTLINED ON DRAWING'S TO BE KEPT AS MUCH AS POSSIBLE UNLESS OTHERWISE STATED.



Legend:

	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED ATTENUATION AREA
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED HEDGE AREA
	EXISTING HEDGE AREA
	PROPOSED PLANTING AREA

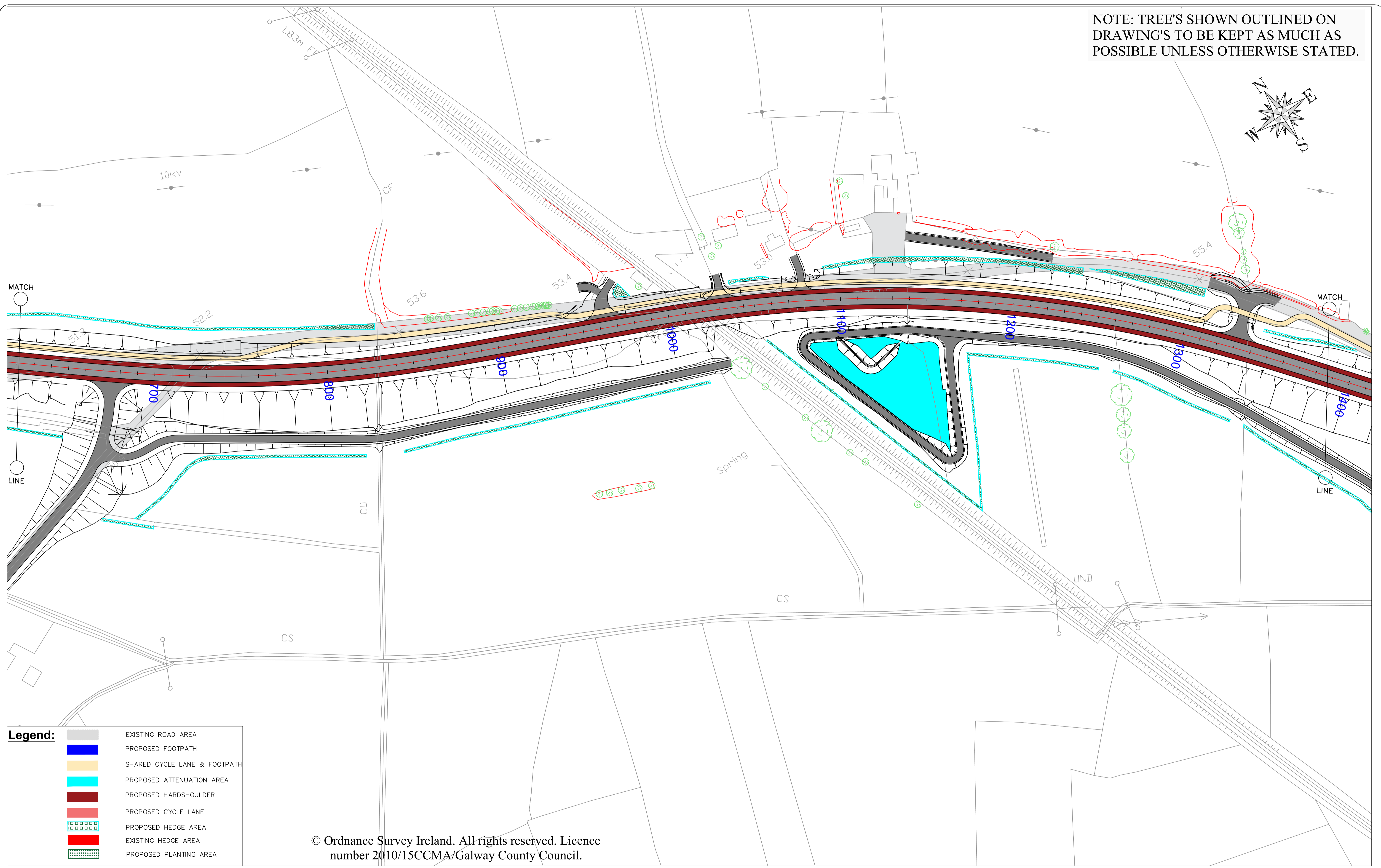
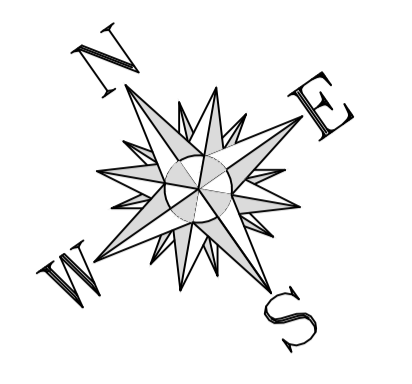
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REVISION:	MADE BY:	DATE:

PROJECT: N17 Miltown to Gortnagunned	
COMPONENT: Proposed & Existing Planting/Hedging Area's	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: PP - 01	

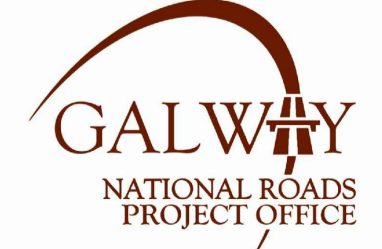
NOTE: TREE'S SHOWN OUTLINED ON DRAWING'S TO BE KEPT AS MUCH AS POSSIBLE UNLESS OTHERWISE STATED.



Legend:

	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED ATTENUATION AREA
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED HEDGE AREA
	EXISTING HEDGE AREA
	PROPOSED PLANTING AREA

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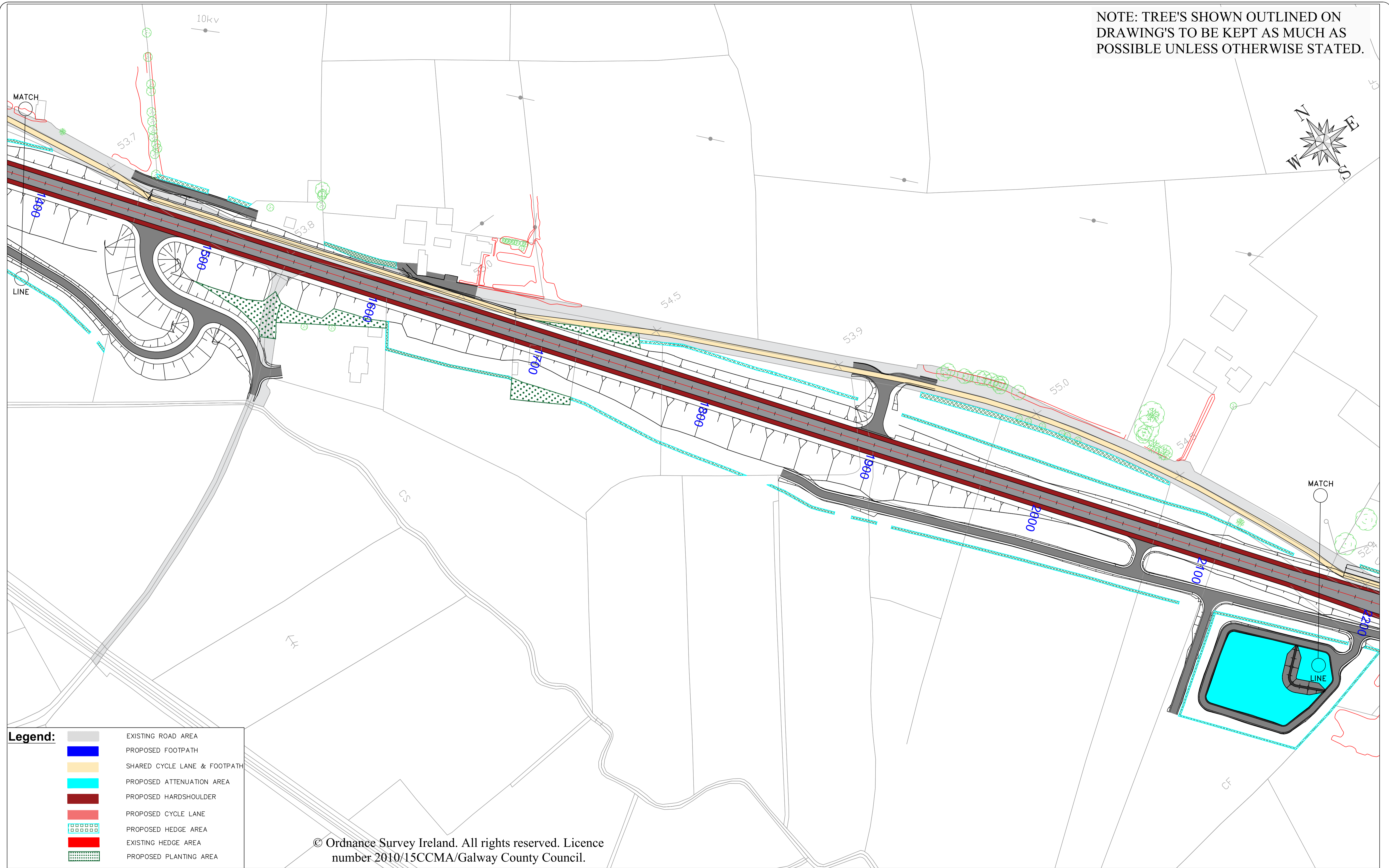
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Galway.

REVISION:	MADE BY:	DATE:

PROJECT: N17 Miltown to Gortnagunned	
COMPONENT: Proposed & Existing Planting/Hedging Area's	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: PP - 02	

NOTE: TREE'S SHOWN OUTLINED ON DRAWING'S TO BE KEPT AS MUCH AS POSSIBLE UNLESS OTHERWISE STATED.



Legend:

	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED ATTENUATION AREA
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED HEDGE AREA
	EXISTING HEDGE AREA
	PROPOSED PLANTING AREA

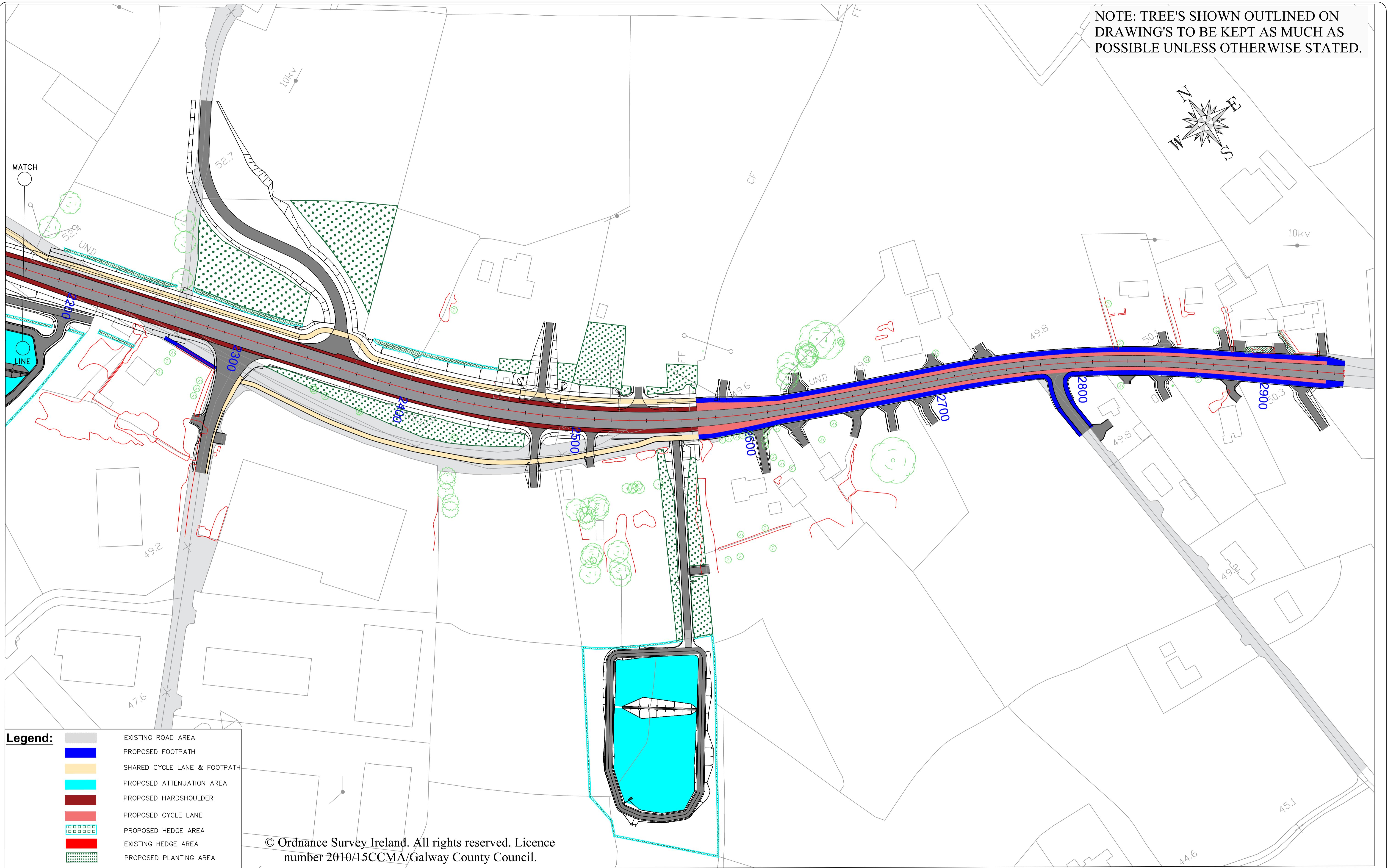
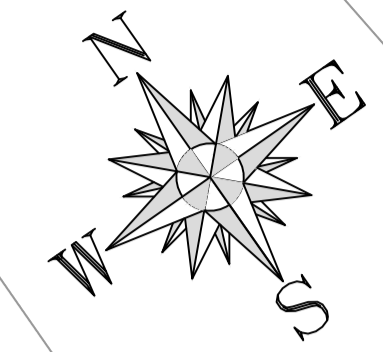
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REVISION:	MADE BY:	DATE:

PROJECT: N17 Miltown to Gortnagunned	
COMPONENT: Proposed & Existing Planting/Hedging Area's	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: PP - 03	

NOTE: TREE'S SHOWN OUTLINED ON DRAWING'S TO BE KEPT AS MUCH AS POSSIBLE UNLESS OTHERWISE STATED.



Legend:

	EXISTING ROAD AREA
	PROPOSED FOOTPATH
	SHARED CYCLE LANE & FOOTPATH
	PROPOSED ATTENUATION AREA
	PROPOSED HARDSHOULDER
	PROPOSED CYCLE LANE
	PROPOSED HEDGE AREA
	EXISTING HEDGE AREA
	PROPOSED PLANTING AREA

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REVISION:	MADE BY:	DATE:

PROJECT: N17 Miltown to Gortnagunned	
COMPONENT: Proposed & Existing Planting/Hedging Area's	
TITLE: Design Drawings	
DESIGNED BY: S.B.	FILE NO.:
DRAWN BY: A.M.	SCALES: 1:1000
CHECKED BY: S.B.	DATE: September 2021
DRAWING NO.: PP - 04	