

# **M3 Junction 9 Improvement**

**Scheme Number: TR010055**

## **2.15 Engineering Sections at 20m Intervals - ExA WQ2 1.2.3 (Rev 1)**

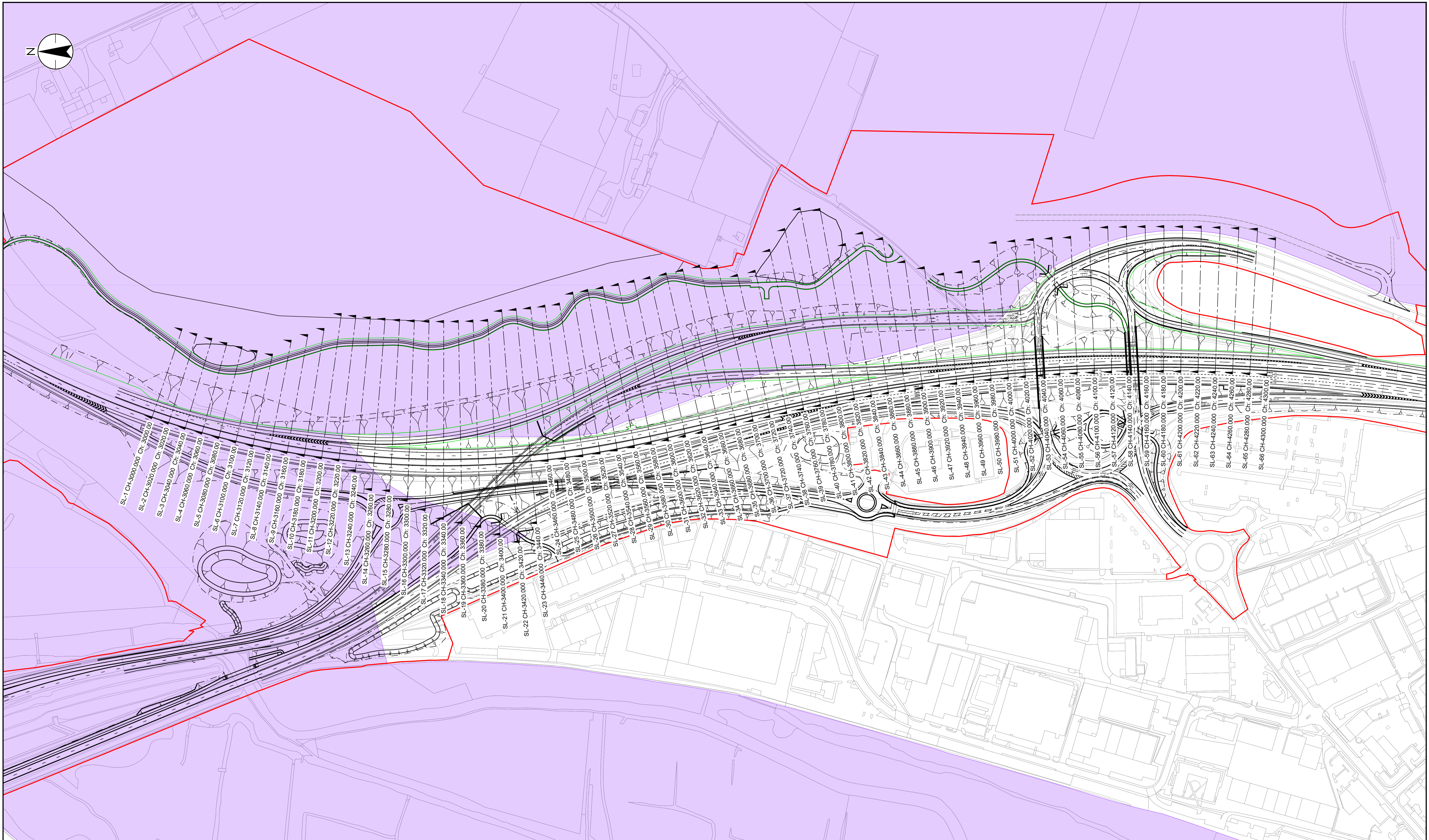
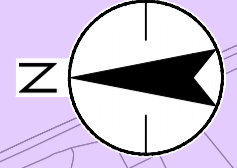
**APFP Regulations 5(2)(o)**

**Planning Act 2008**

**Infrastructure Planning (Applications: Prescribed Forms and  
Procedure) Regulations 2009**

**Volume 2**

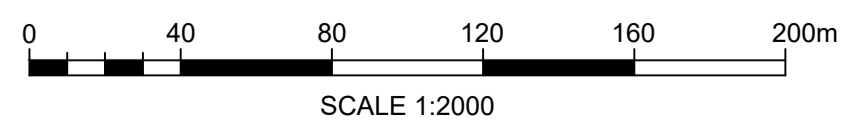
**27 October 2023**



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**LEGEND**

- DCO APPLICATION BOUNDARY
- SOUTH DOWNS NATIONAL PARK BOUNDARY



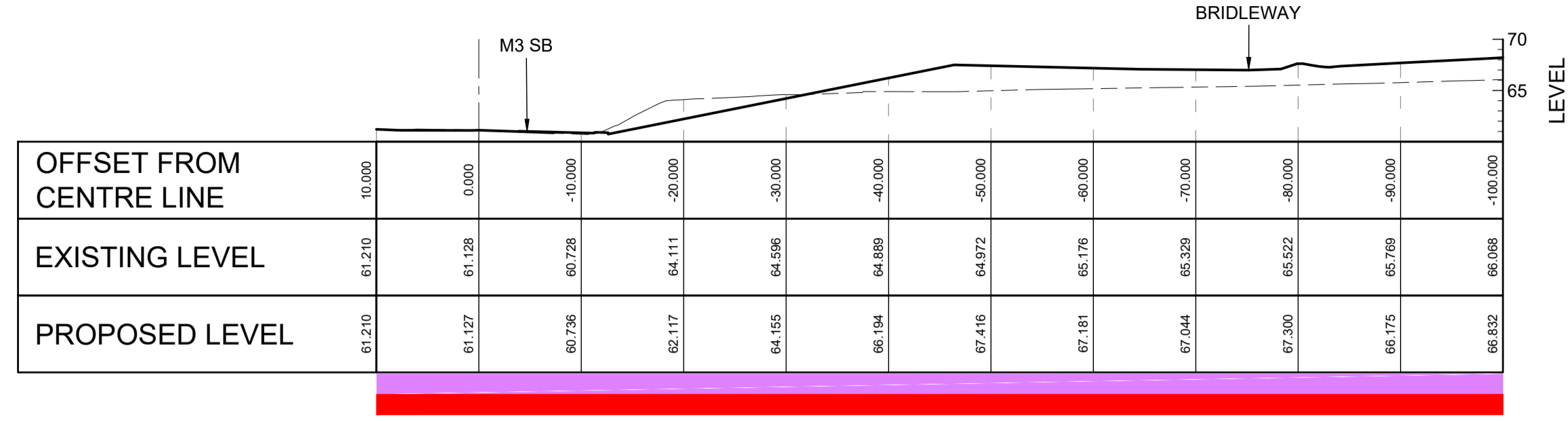
Rev	Date	Description	Drawn	Chk'd	App'd
Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

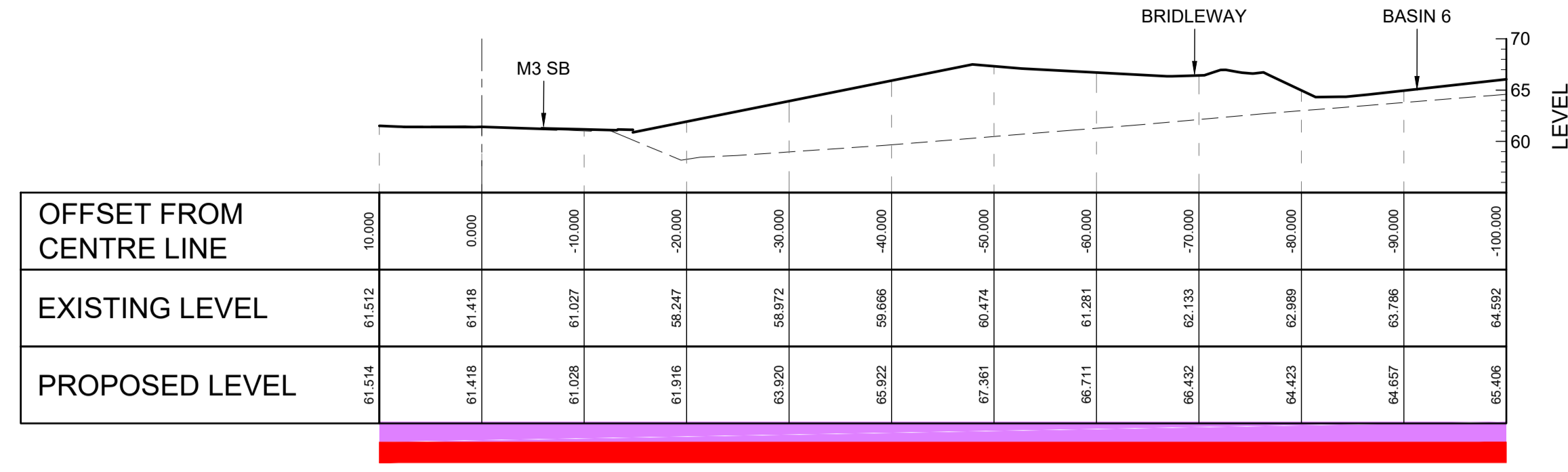
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Project Title <b>M3 JUNCTION 9 IMPROVEMENT SCHEME</b>					
Drawing Title <b>ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3</b>					
Drawing Number <b>HE551511-VFK-LLO-M3SB_XX-DR-ZL-40001</b>					
Scale 1:2000	Designed GP 22.09.23	Drawn GP 22.09.23	Checked LC 22.09.23	Approved MF 22.09.23	Project Ref. No. 330610705
HE PIN   Originator   Volume   Location   Type   Role   Number					Revision <b>Rev 0</b>

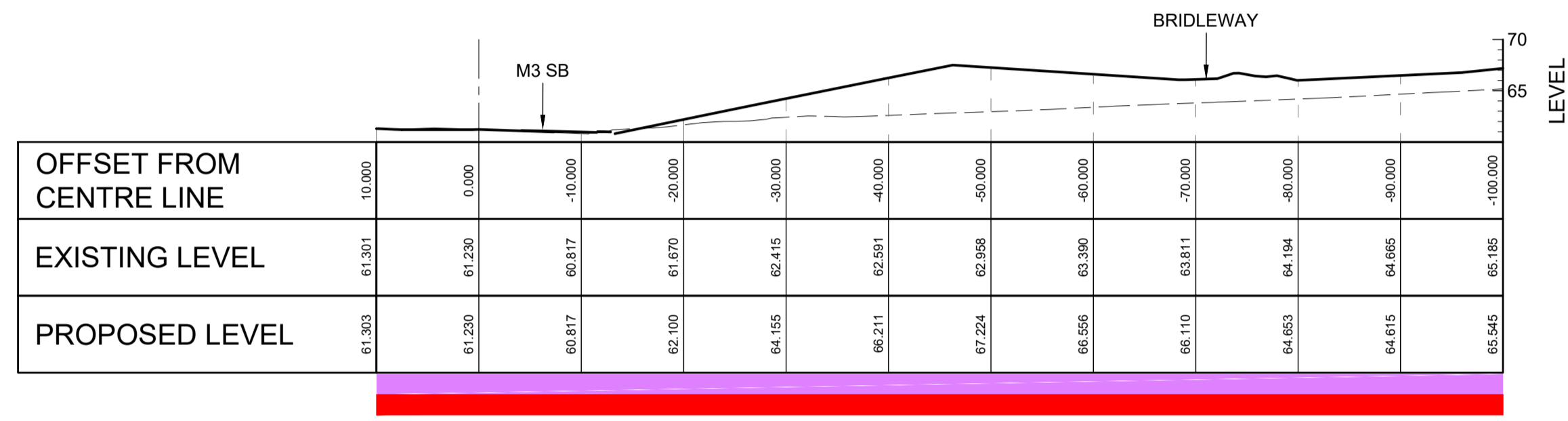
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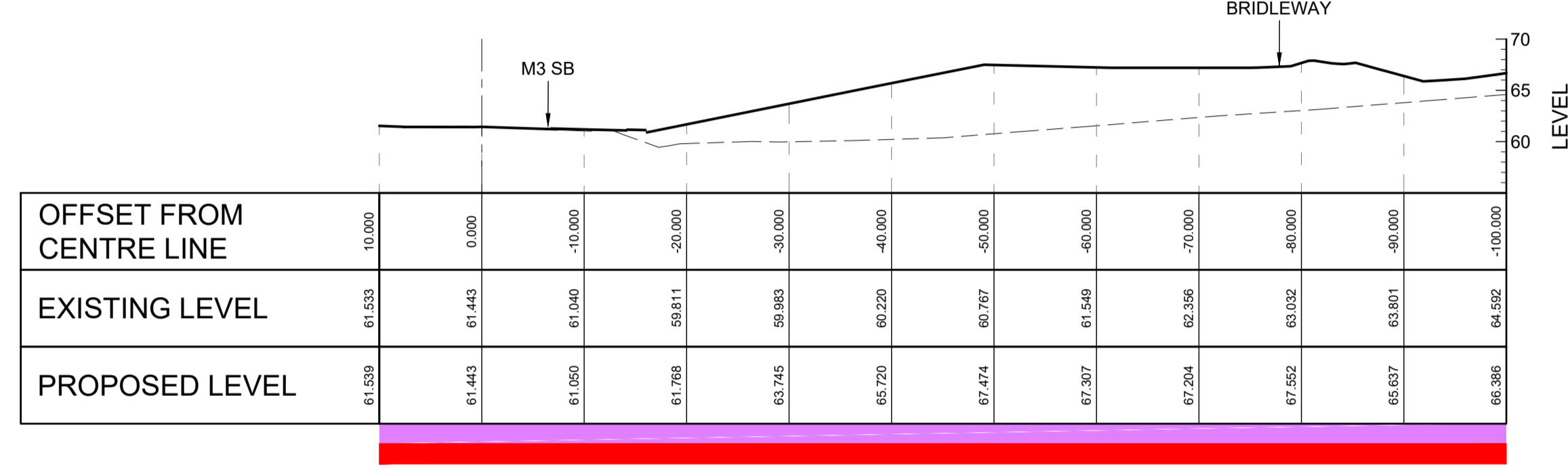
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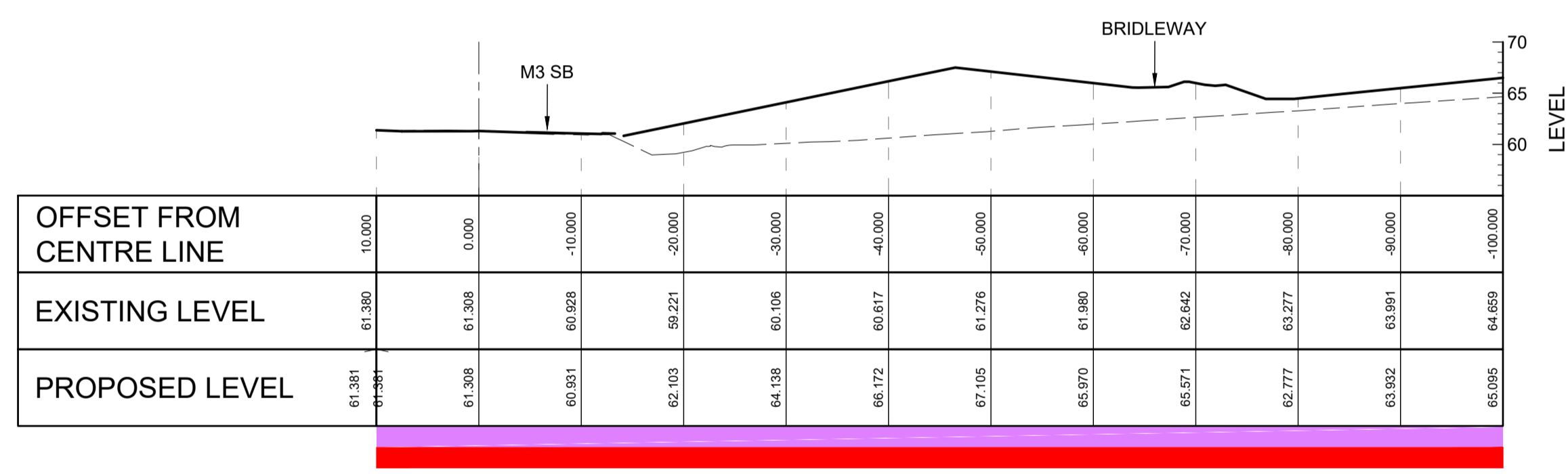
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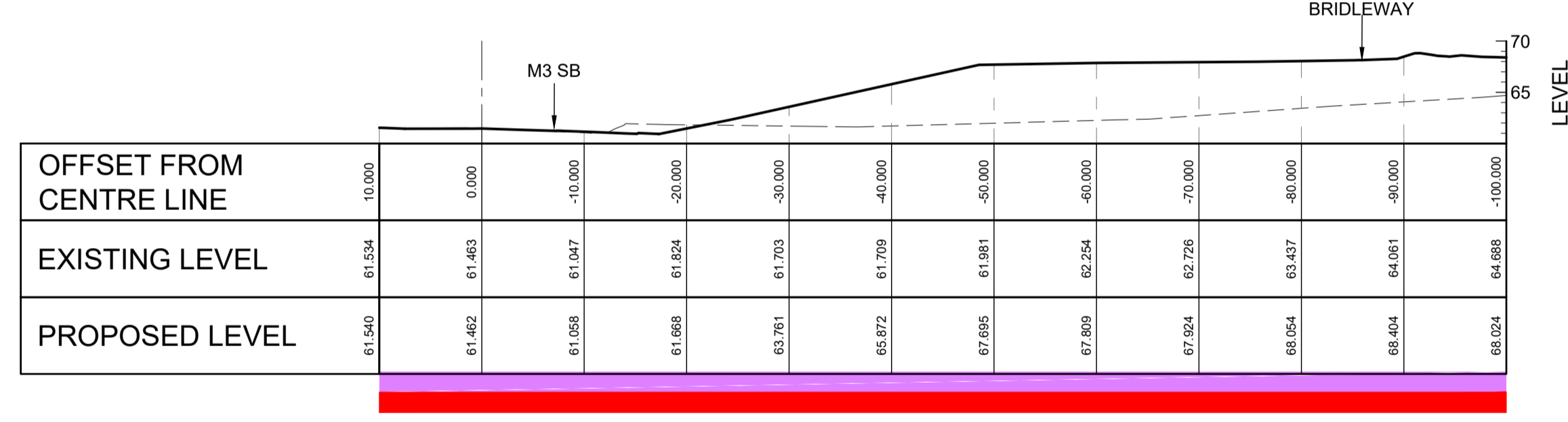
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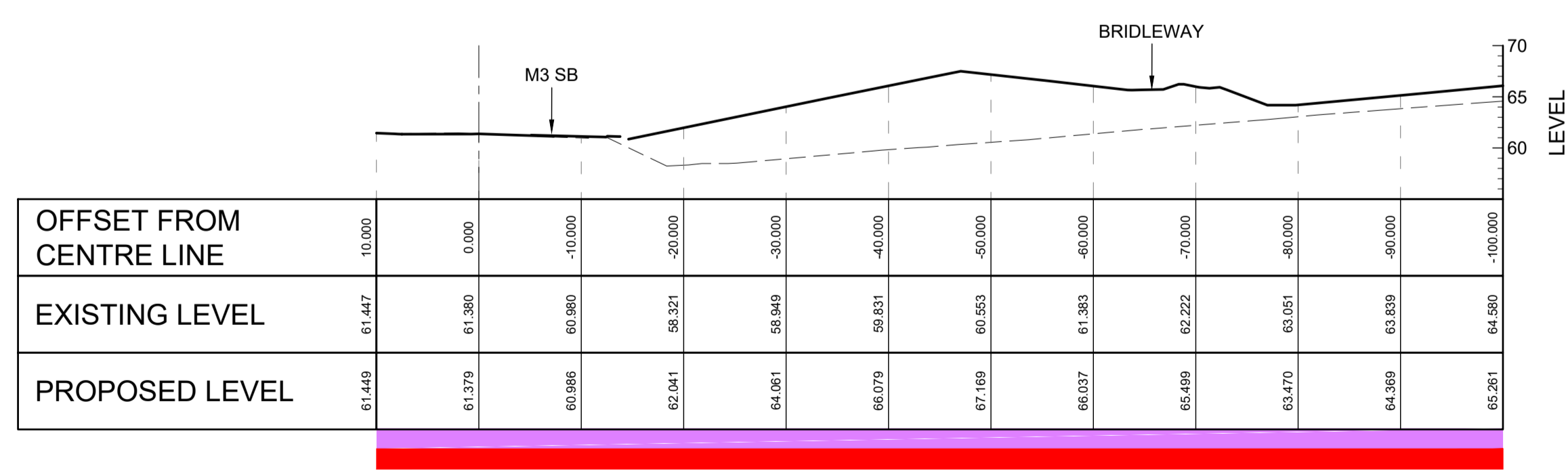
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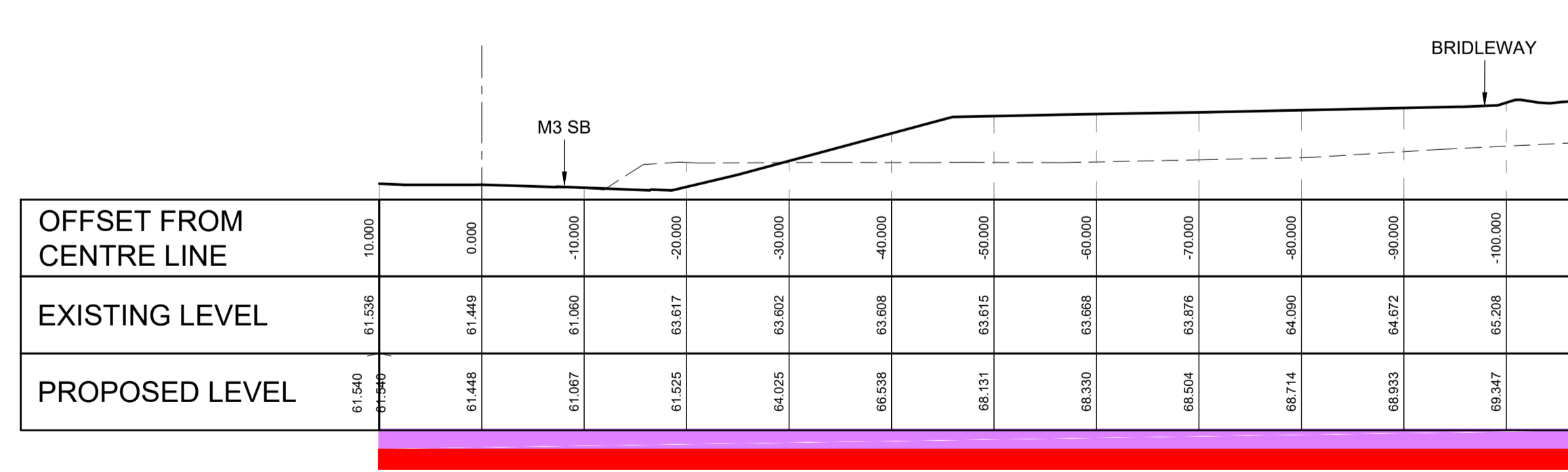
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**LEGEND**  
 - - - EXISTING GROUND SURFACE  
 ——— PROPOSED GROUND SURFACE  
 ■ ORDER LIMITS AREA  
 ■ SOUTH DOWNS NATIONAL PARK AREA

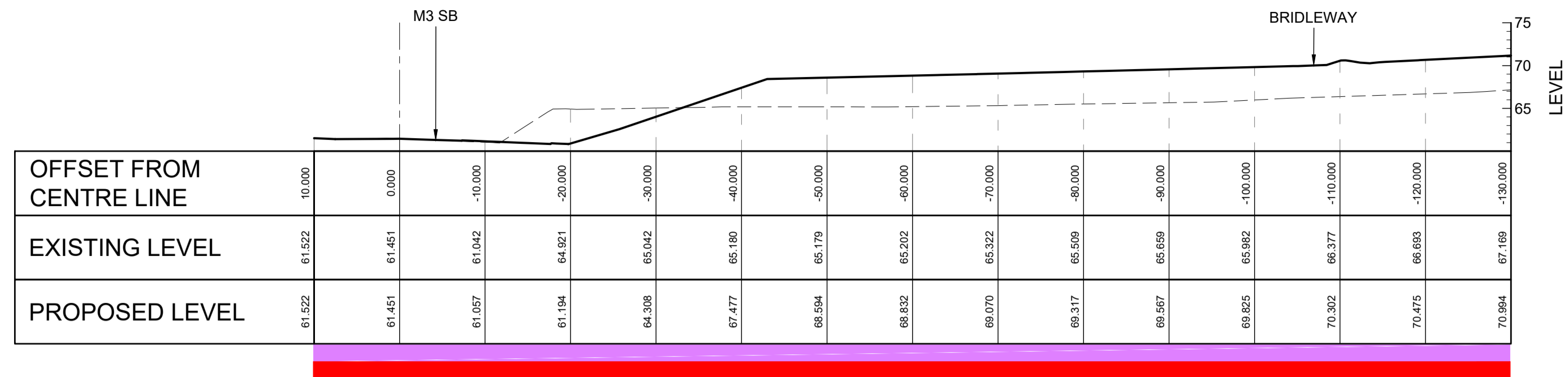
**NOTES**

- ALL SECTIONS ARE FROM THE ENGINEERING MODELS. EARTHWORK SLOPES INDICATE PRELIMINARY DESIGN. THERE WILL BE SOFTENING AND SMOOTHING OF LANDSCAPED AREAS IN ACCORDANCE WITH RECORD OF ENVIRONMENTAL ACTIONS AND COMMITMENTS ENTRY LV13 OF THE FIRST ITERATION OF THE ENVIRONMENTAL MANAGEMENT PLAN (DOCUMENT REF 7.3)
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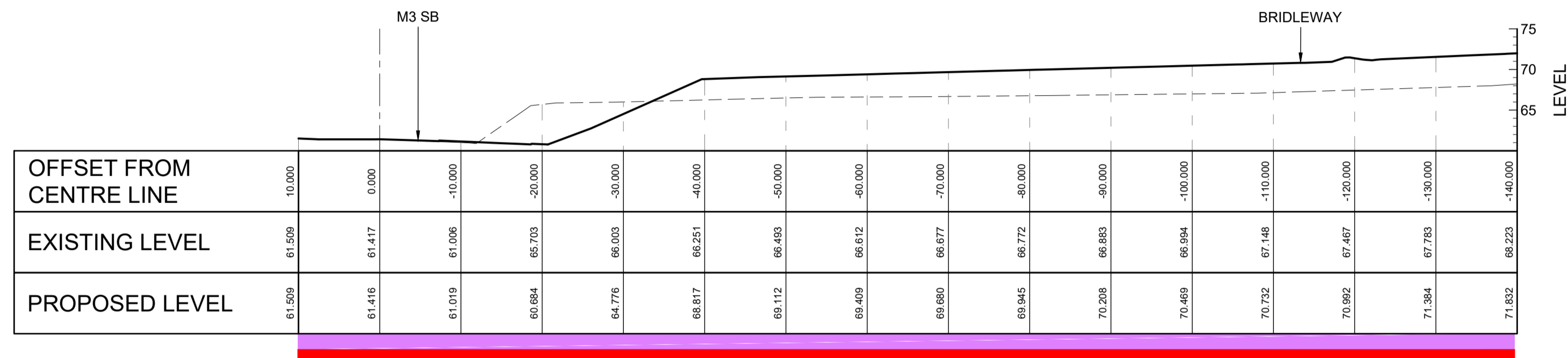
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					<b>ENGINEERING SECTIONS AT 20m INTERVALS</b> ExA WQ2 1.2.3 SHEET 1 OF 17				
Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
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Revision	Rev 1							Revision	Rev 1

Rev.	Date	Description	Drawn	Ch'k'd	App'd
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Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

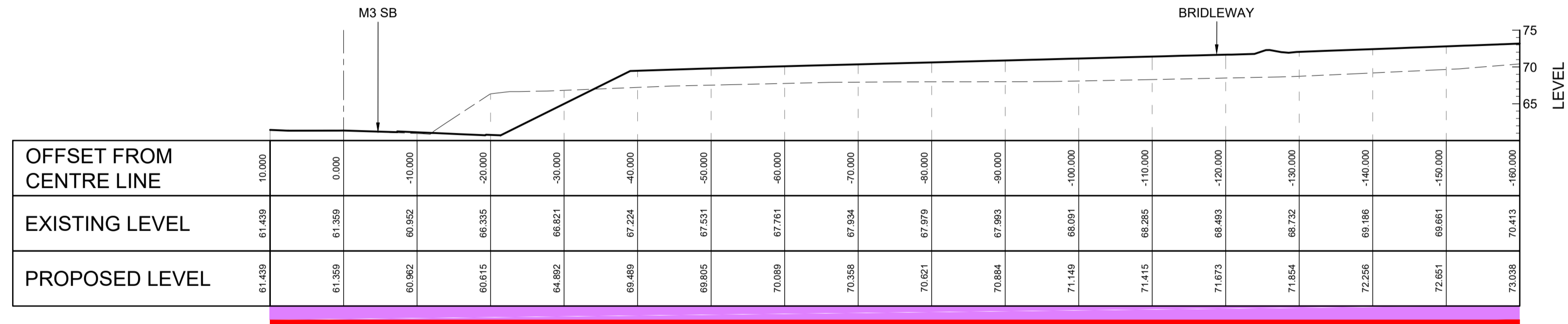
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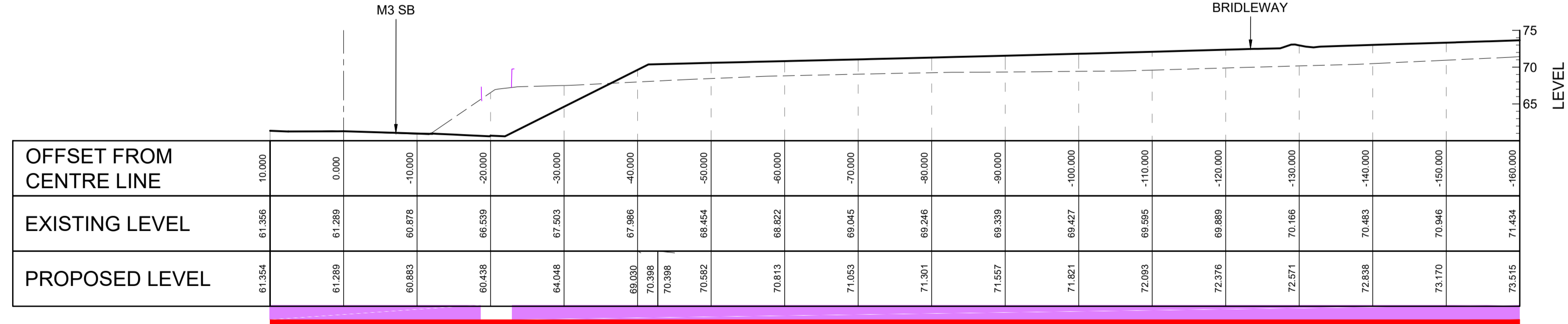
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SL-12 CH-3220.000  
Ch:3220.00



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- LEGEND**
- EXISTING GROUND SURFACE
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Rev 1	27.10.23	DEADLINE 6	GP	LC	MF
Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

**VolkerFitzpatrick**

**Stantec**

**national highways**

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 2 OF 17

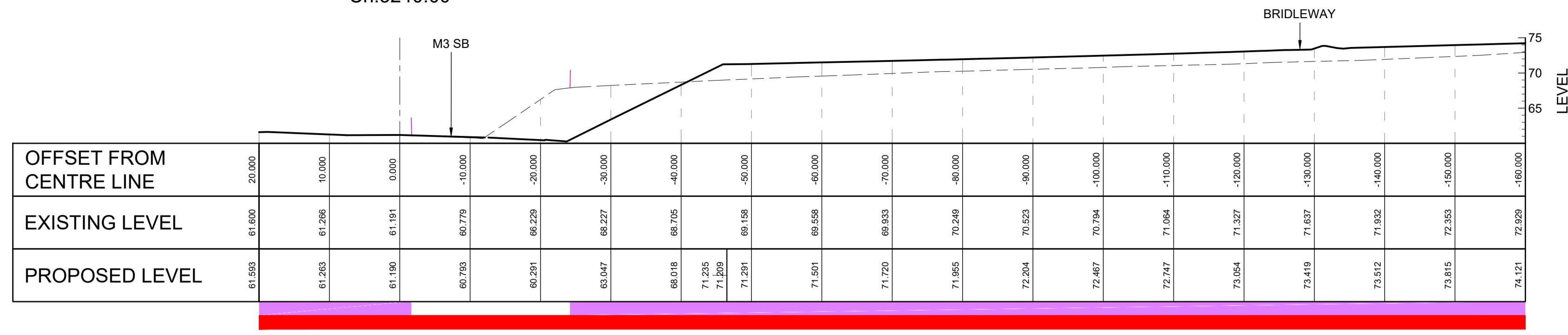
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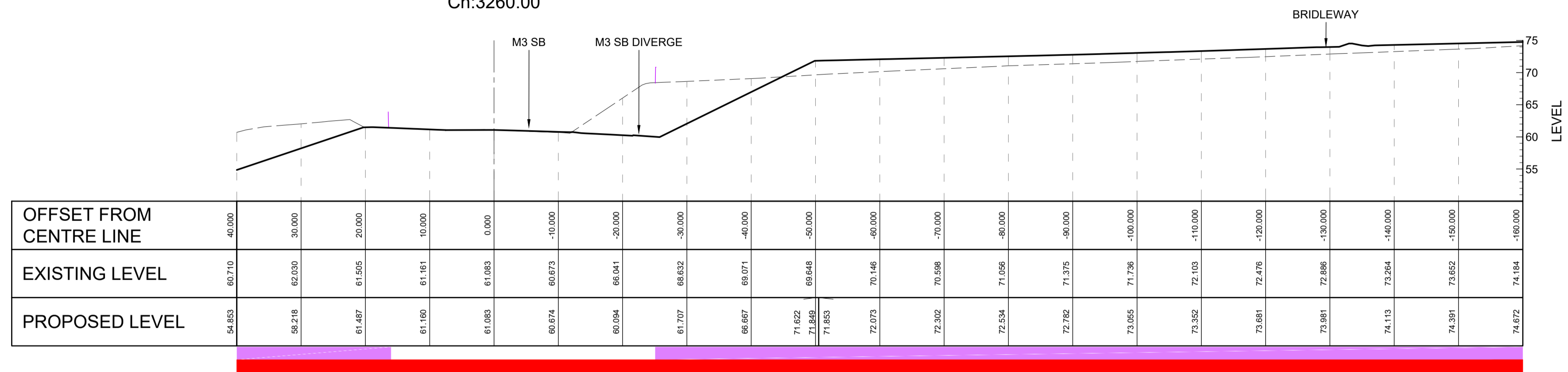
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Revision: Rev 1

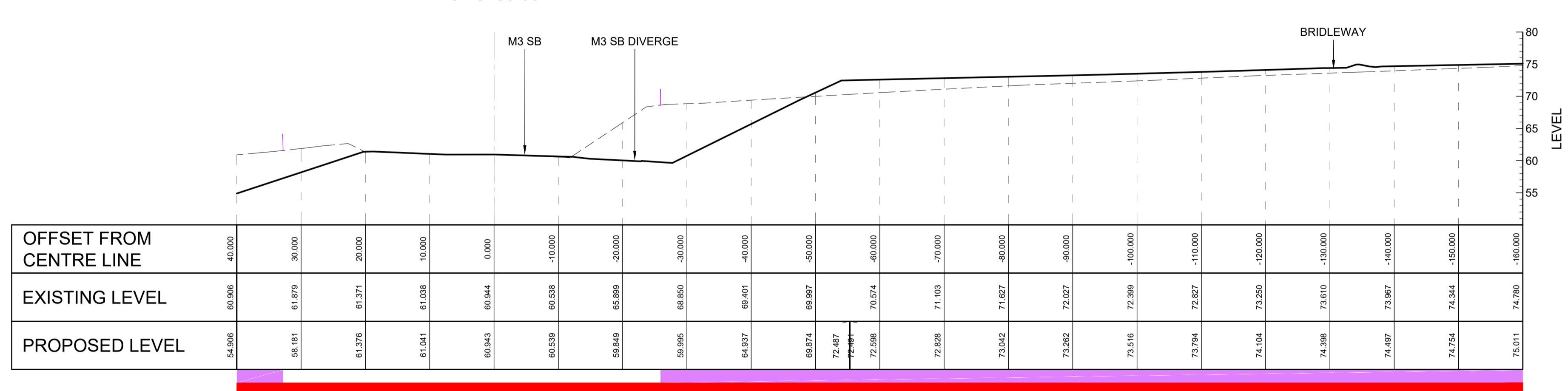
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Rev 1	27.10.23	DEADLINE 6	GP	LC	MF
Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

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Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 3 OF 17

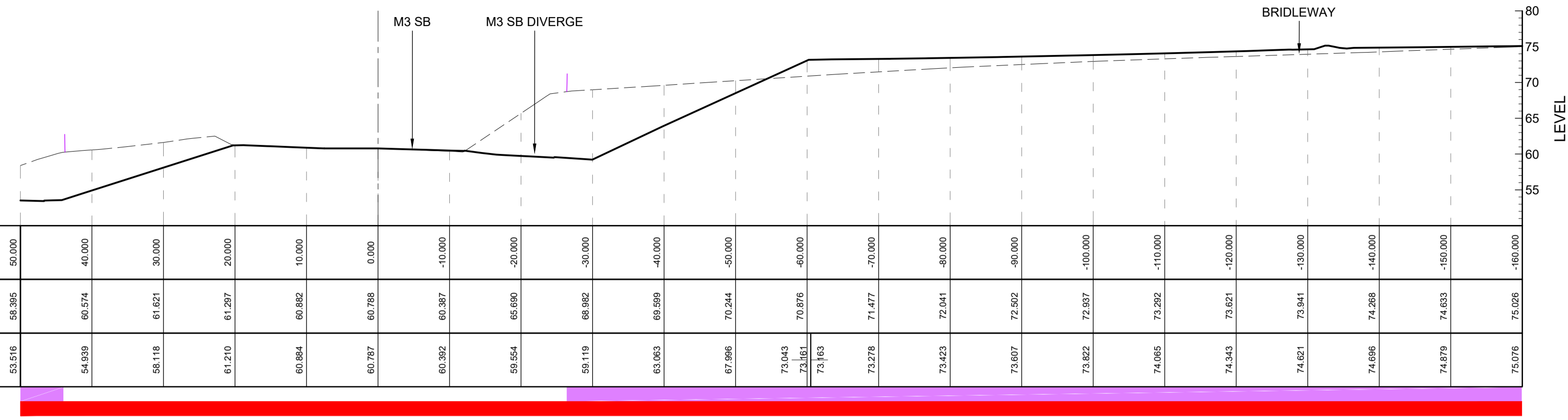
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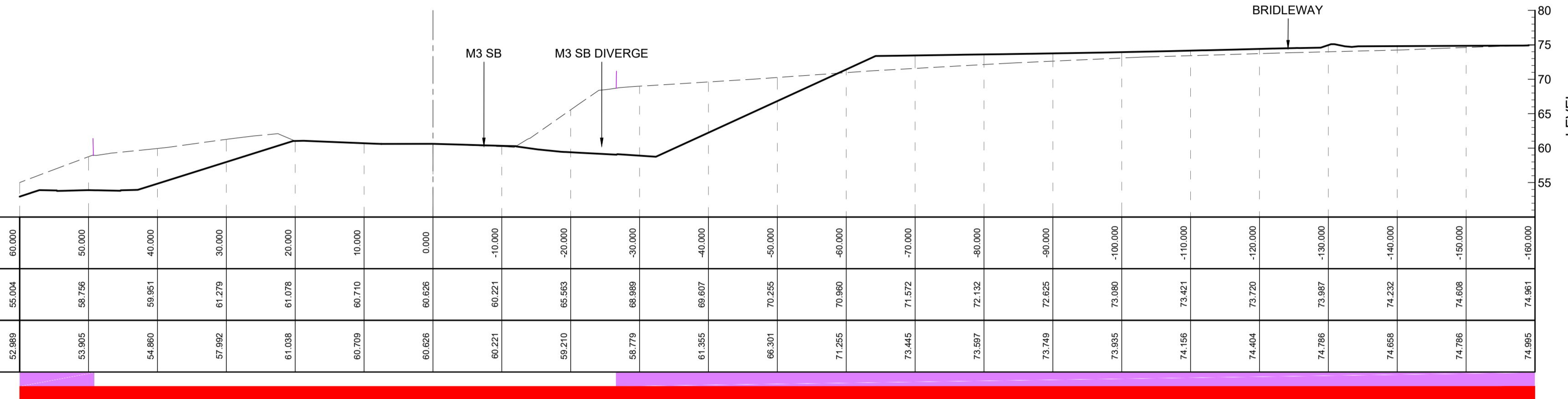
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Revision: Rev 1

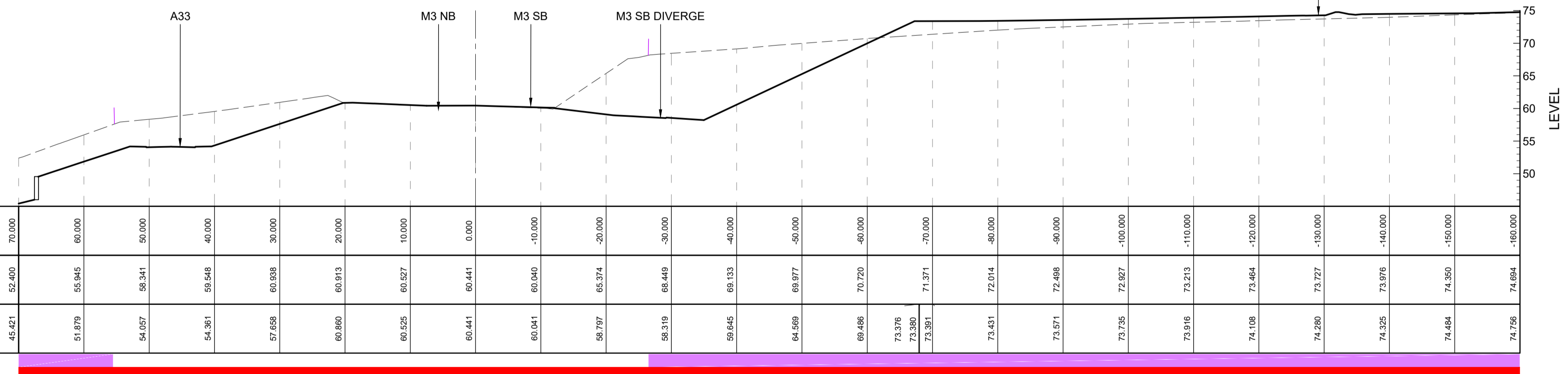
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SL-17 CH-3320.000  
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Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 4 OF 17

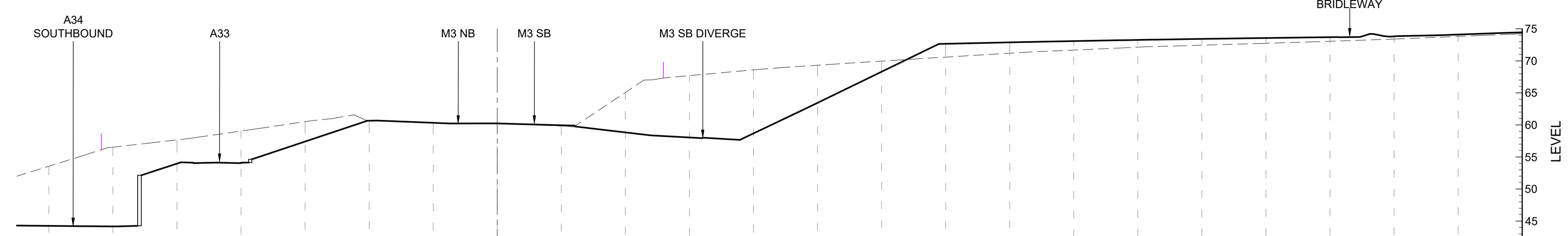
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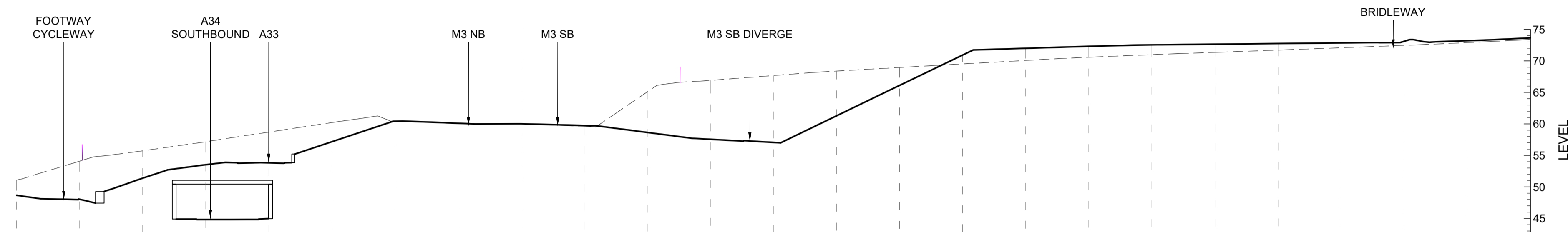
Revision: Rev 1

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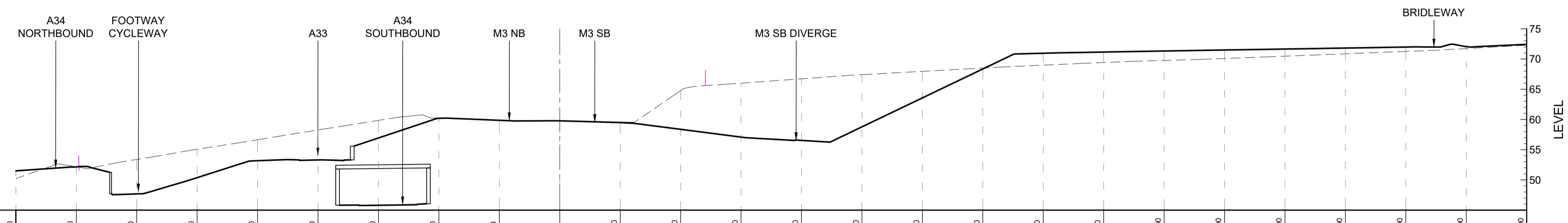
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75.000	51.993	44.295
70.000	53.551	44.245
60.000	56.536	44.162
50.000	57.667	53.991
40.000	59.045	54.131
30.000	60.511	57.406
20.000	60.700	60.653
10.000	60.326	60.331
0.000	60.236	60.236
-10.000	59.828	59.806
-20.000	65.007	58.664
-30.000	67.696	57.906
-40.000	66.591	57.747
-50.000	69.316	62.644
-60.000	69.958	67.540
-70.000	70.585	72.419
-80.000	71.195	72.676
-90.000	71.685	73.086
-100.000	73.265	73.265
-110.000	72.441	73.425
-120.000	72.740	73.570
-130.000	73.059	73.697
-140.000	73.401	73.819
-150.000	73.815	73.974
-160.000	74.246	74.389

SL-20 CH-3380.000  
Ch:3380.00



OFFSET FROM CENTRE LINE	EXISTING LEVEL	PROPOSED LEVEL
80.000	51.075	48.694
70.000	54.090	48.070
60.000	55.726	51.384
50.000	57.171	44.826
40.000	58.699	48.755
30.000	60.210	57.173
20.000	60.458	60.423
10.000	60.098	60.098
0.000	60.018	60.018
-10.000	59.616	59.619
-20.000	65.075	58.484
-30.000	66.904	57.457
-40.000	67.674	58.990
-50.000	68.385	60.488
-60.000	68.052	65.357
-70.000	69.515	70.226
-80.000	70.089	71.781
-90.000	70.584	72.309
-100.000	70.983	72.542
-110.000	71.351	72.650
-120.000	71.710	72.753
-130.000	72.083	72.855
-140.000	72.464	73.024
-150.000	72.897	73.384
-160.000	73.418	73.999

SL-21 CH-3400.000  
Ch:3400.00



OFFSET FROM CENTRE LINE	EXISTING LEVEL	PROPOSED LEVEL
90.000	50.231	51.399
80.000	52.166	51.969
70.000	53.395	47.690
60.000	55.065	50.400
50.000	56.640	53.208
40.000	58.267	53.302
30.000	59.850	57.117
20.000	60.255	60.192
10.000	60.861	59.859
0.000	59.774	59.773
-10.000	59.384	59.385
-20.000	64.778	58.295
-30.000	66.004	56.931
-40.000	66.728	56.600
-50.000	67.416	58.110
-60.000	67.965	60.951
-70.000	68.509	67.781
-80.000	68.985	70.865
-90.000	69.385	70.935
-100.000	69.423	71.150
-110.000	69.706	71.326
-120.000	70.002	71.482
-130.000	70.473	71.653
-140.000	70.864	71.815
-150.000	71.263	71.869
-160.000	71.734	71.761
-170.000	72.288	72.279

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Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

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Project Title: **M3 JUNCTION 9 IMPROVEMENT SCHEME**

Drawing Title: **ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3**

SHEET 5 OF 17

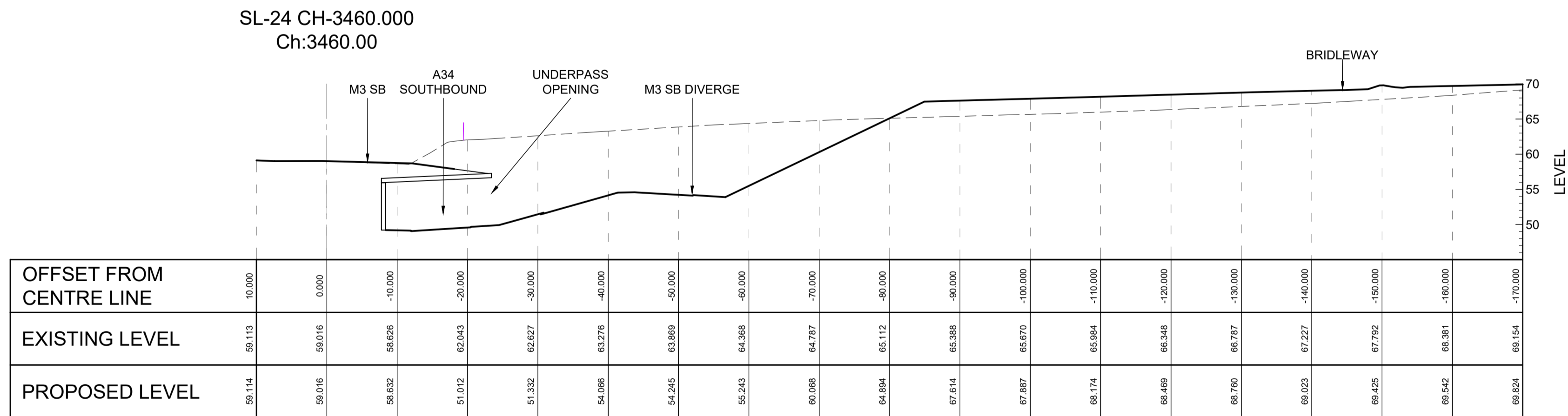
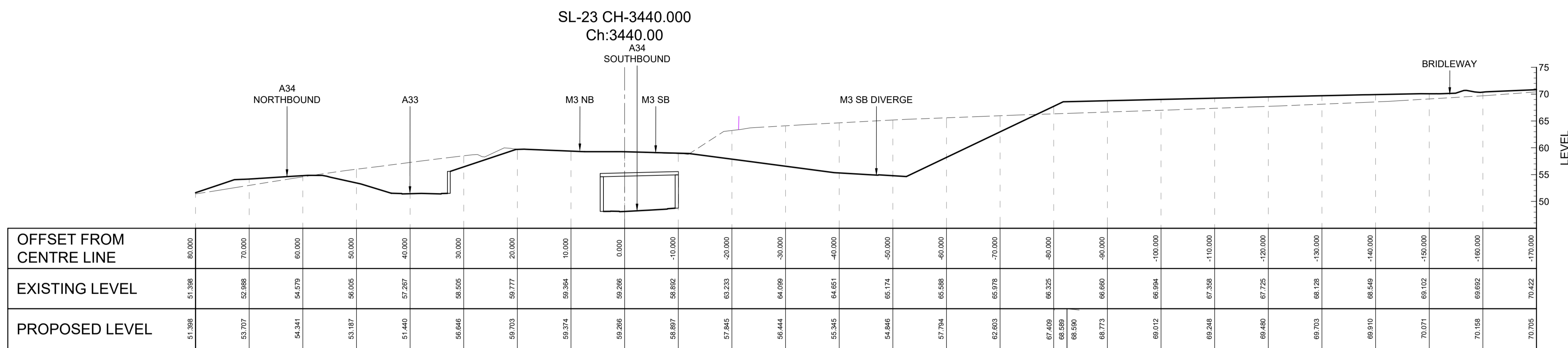
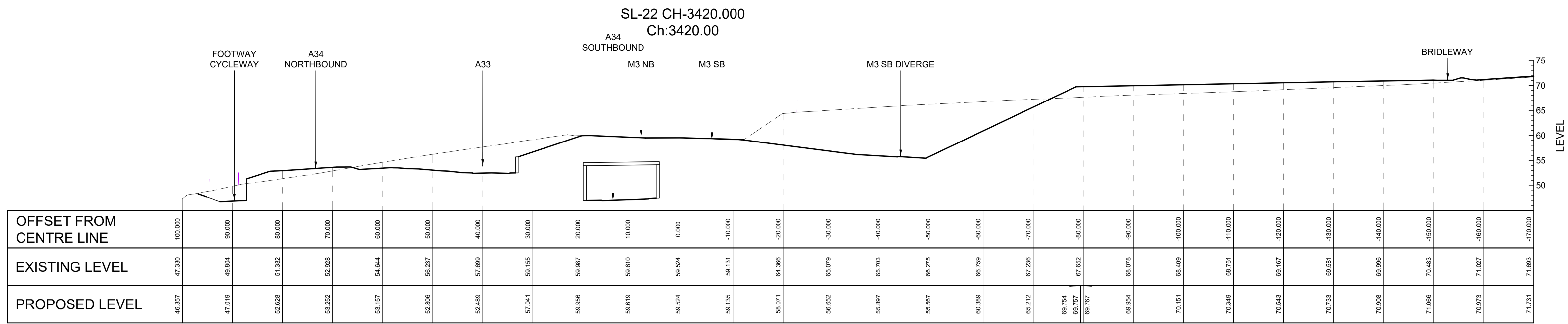
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Drawing Number: **HE551511-VFK-LLO-M3SB\_XX-DR-ZL-40006**

Project Ref. No: **330610705**

Revision: **Rev 1**

HE PIN | Originator | Volume | Location | Type | Role | Number



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Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

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Drawing Title: **ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3**

SHEET 6 OF 17

Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
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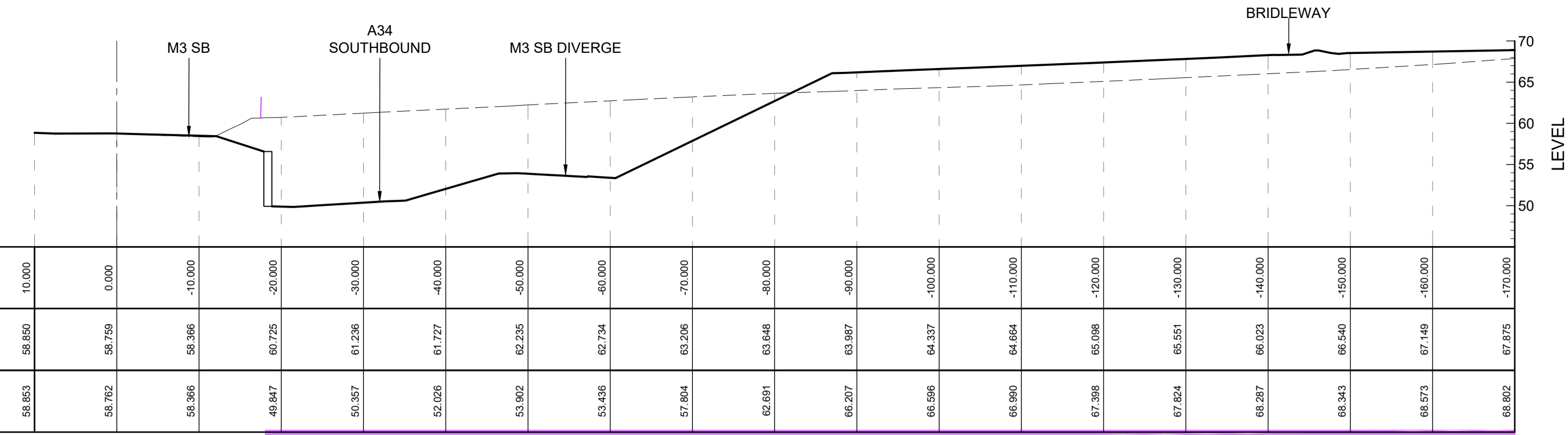
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Revision: **Rev 1**

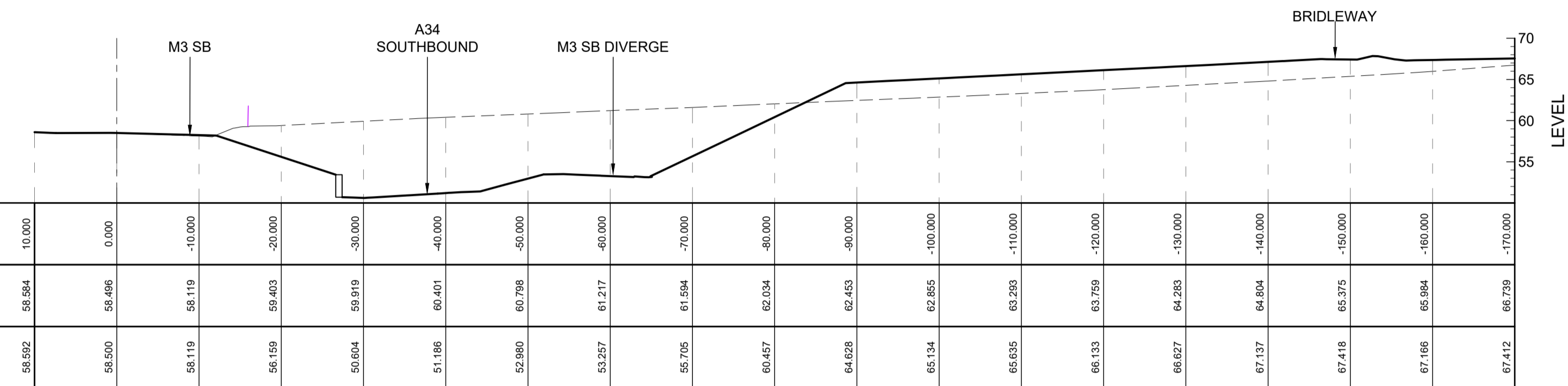
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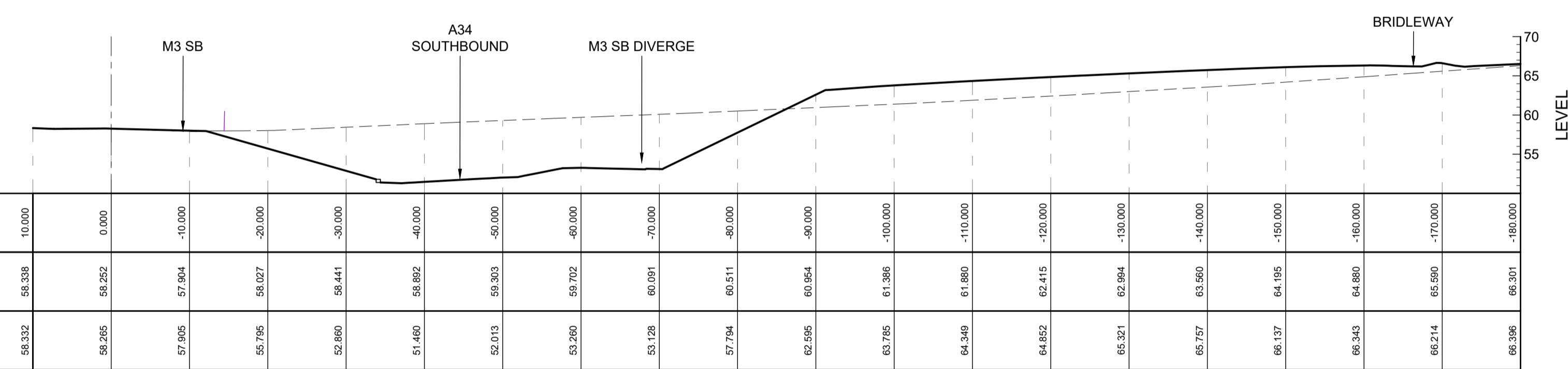
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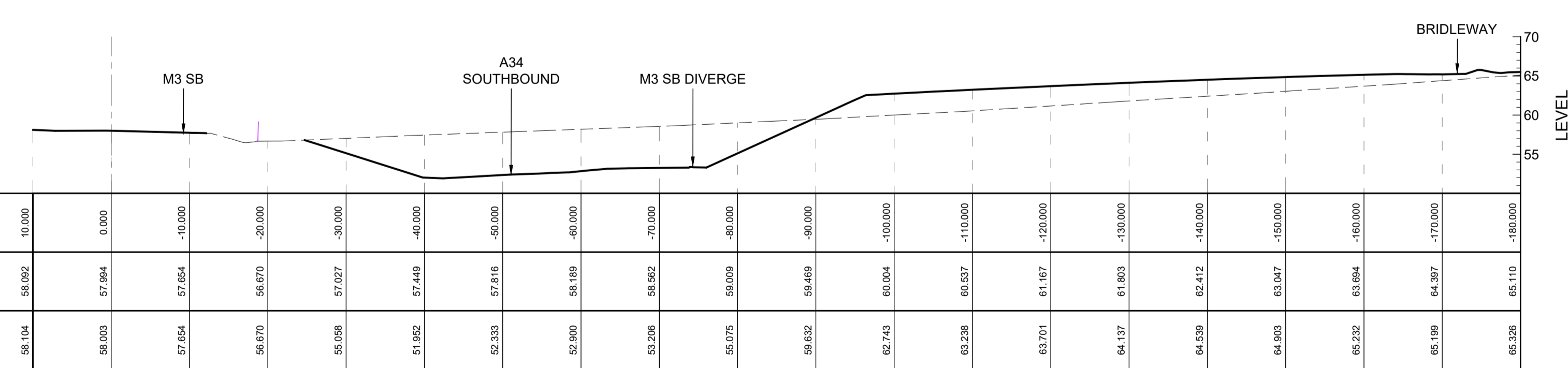
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SL-27 CH-3520.000  
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SL-28 CH-3540.000  
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Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

**VolkerFitzpatrick**

**Stantec**

**national highways**

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 7 OF 17

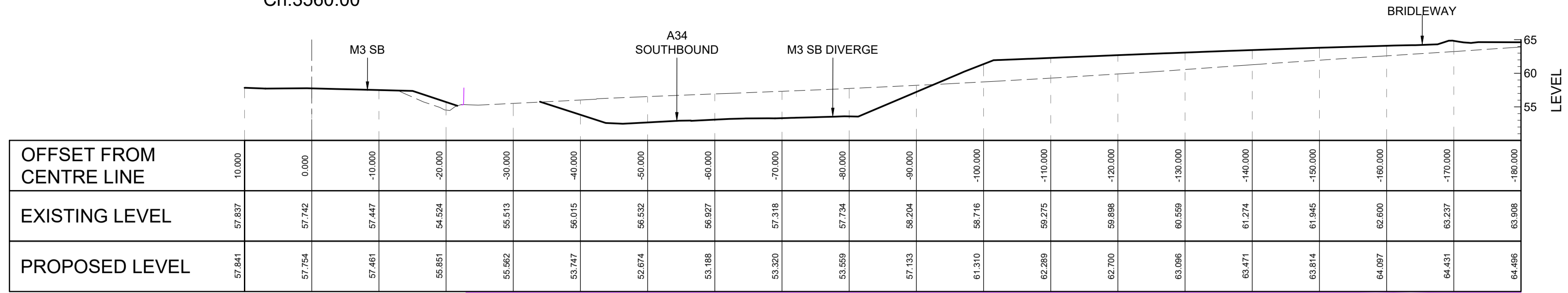
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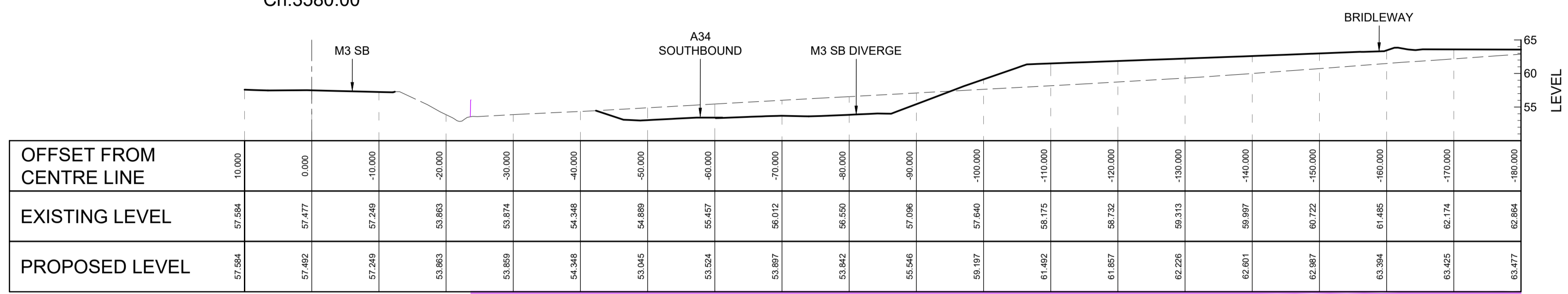
Project Ref. No. 330610705

Revision: Rev 1

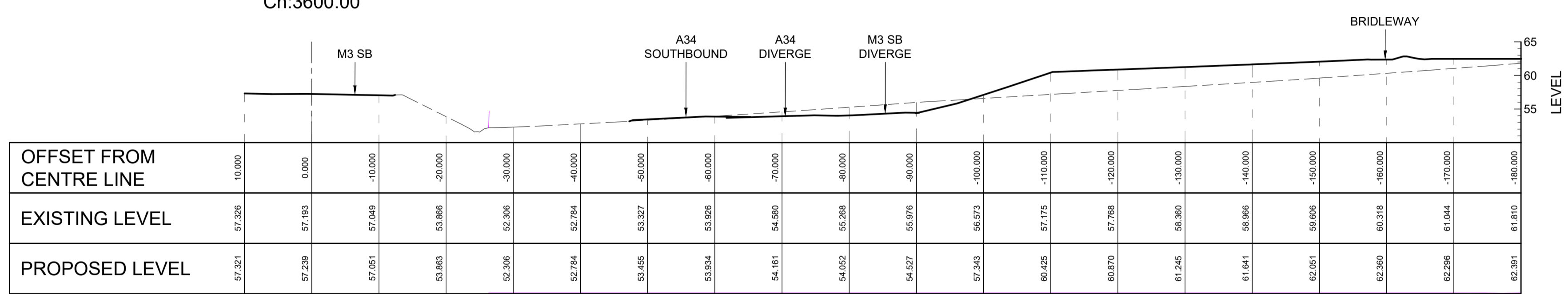
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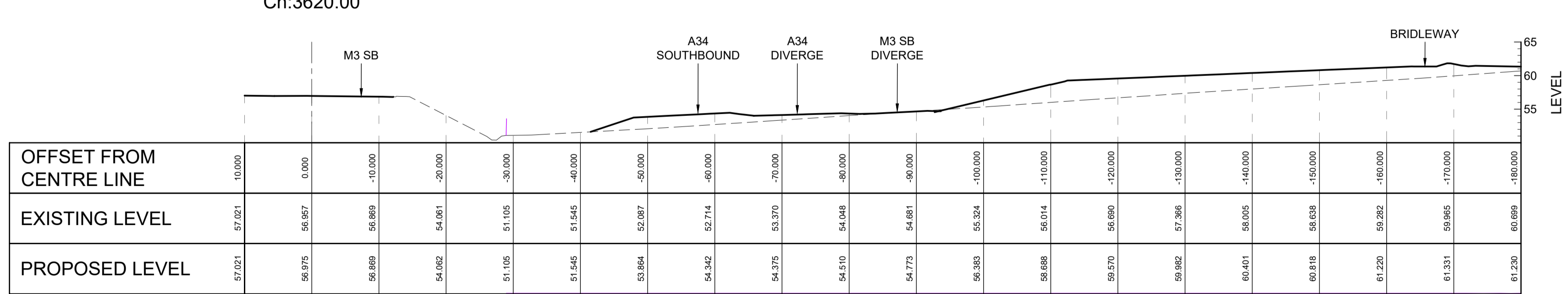
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SL-31 CH-3600.000  
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SL-32 CH-3620.000  
Ch:3620.00



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- LEGEND**
- EXISTING GROUND SURFACE
  - PROPOSED GROUND SURFACE
  - ORDER LIMITS AREA
  - SOUTH DOWNS NATIONAL PARK AREA
- NOTES**

- ALL SECTIONS ARE FROM THE ENGINEERING MODELS. EARTHWORK SLOPES INDICATE PRELIMINARY DESIGN. THERE WILL BE SOFTENING AND SMOOTHING OF LANDSCAPED AREAS IN ACCORDANCE WITH RECORD OF ENVIRONMENTAL ACTIONS AND COMMITMENTS ENTRY LV13 OF THE FIRST ITERATION OF THE ENVIRONMENTAL MANAGEMENT PLAN (DOCUMENT REF 7.3)
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Rev.	Date	Description	Drawn	Ch'kd	App'd
Rev 1	27.10.23	DEADLINE 6	GP	LC	MF
Rev 0	22.09.23	DEADLINE 5	GP	LC	MF

FOR INFORMATION

**VolkerFitzpatrick**

**Stantec**

**national highways**

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 8 OF 17

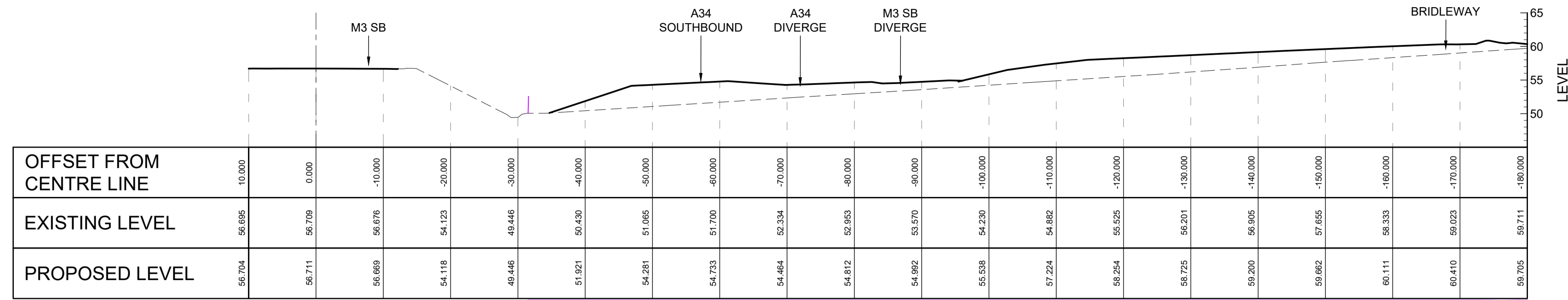
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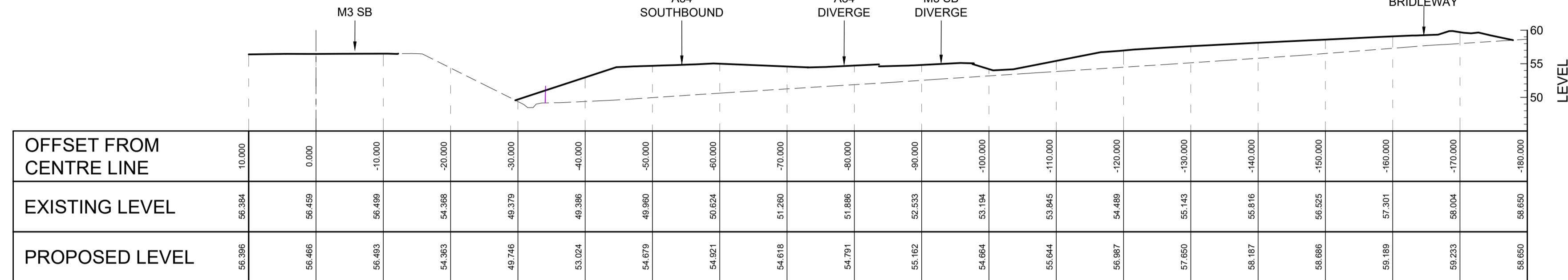
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Revision: Rev 1

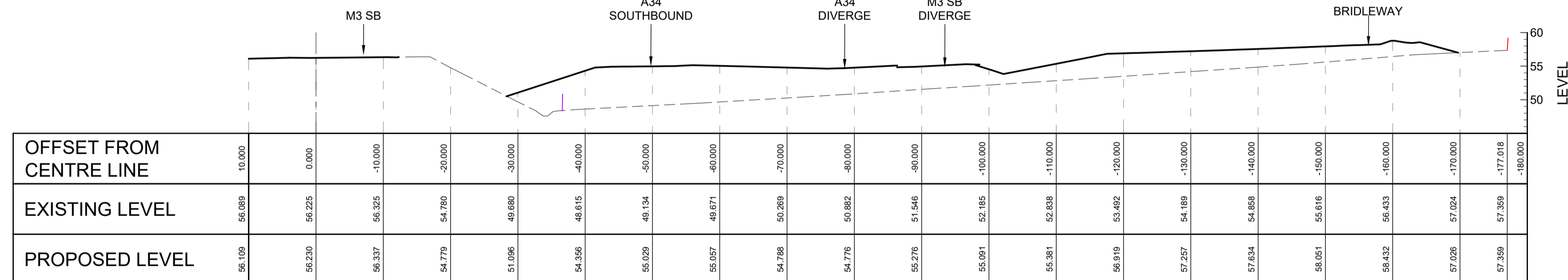
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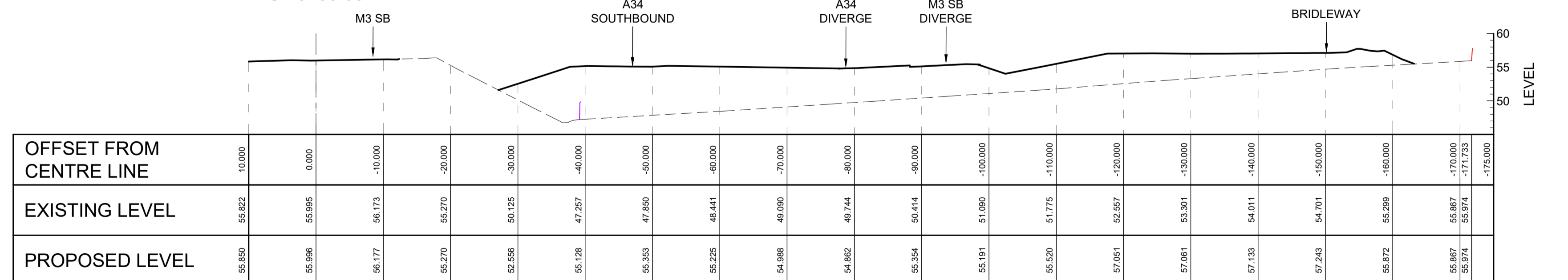
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SL-35 CH-3680.00  
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SL-36 CH-3700.00  
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Rev 0	27.10.23	DEADLINE 6	GP	LC	MF
Rev.	Date	Description	Drawn	Ch'k'd	App'd

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Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 9 OF 17

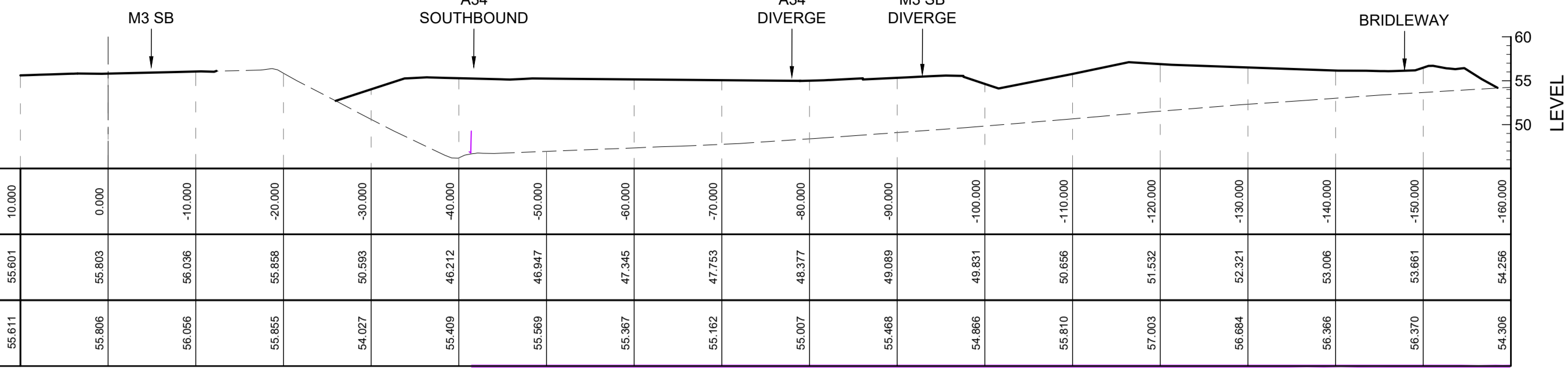
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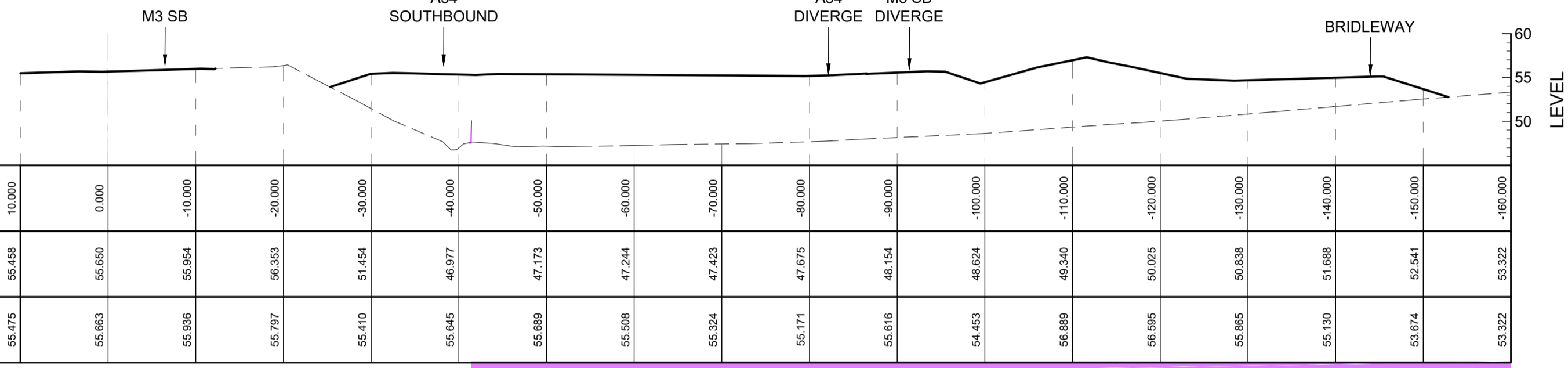
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Revision: Rev 0

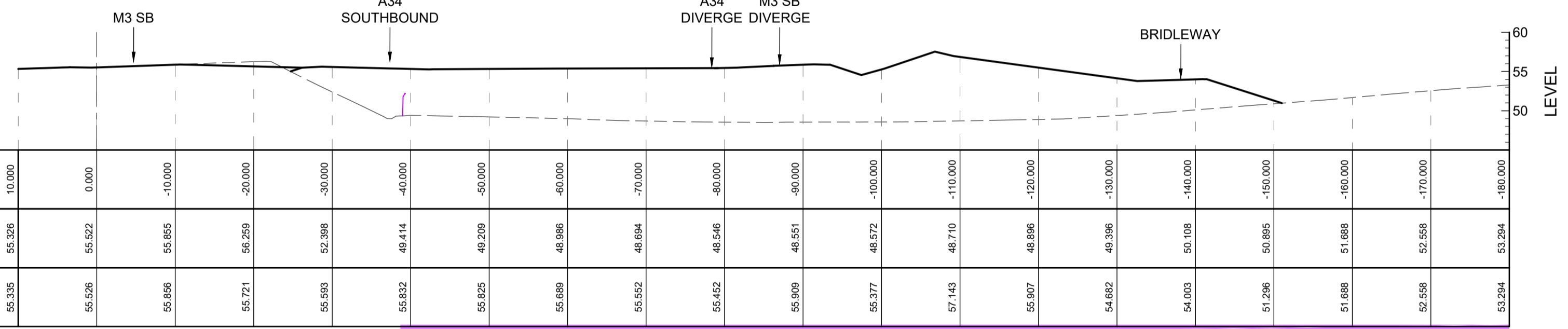
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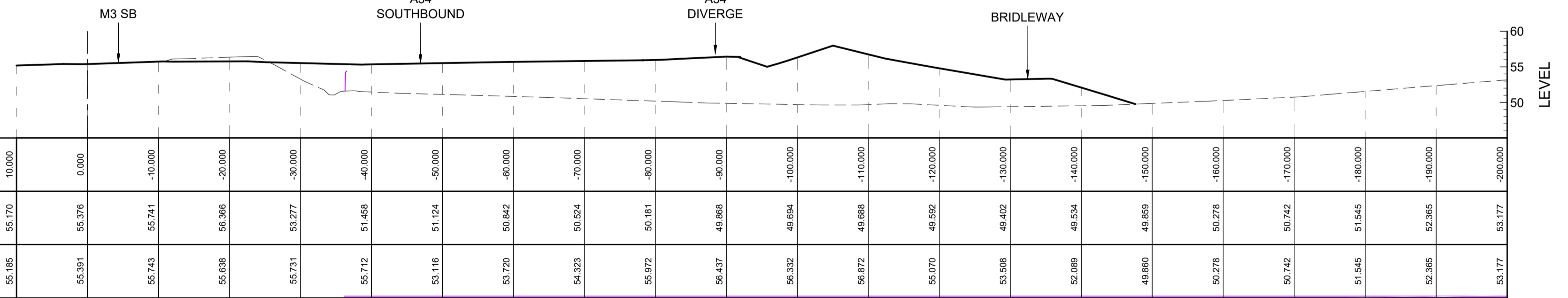
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Rev	Date	Description	Drawn	Chk'd	App'd
Rev 0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

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**national highways**

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 10 OF 17

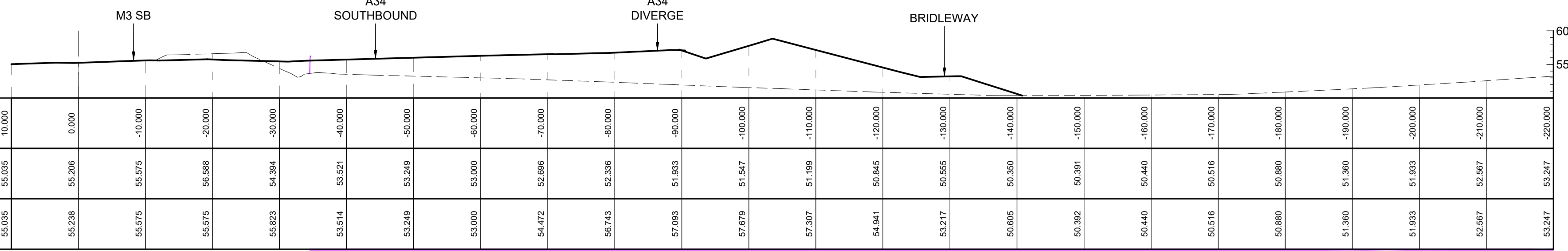
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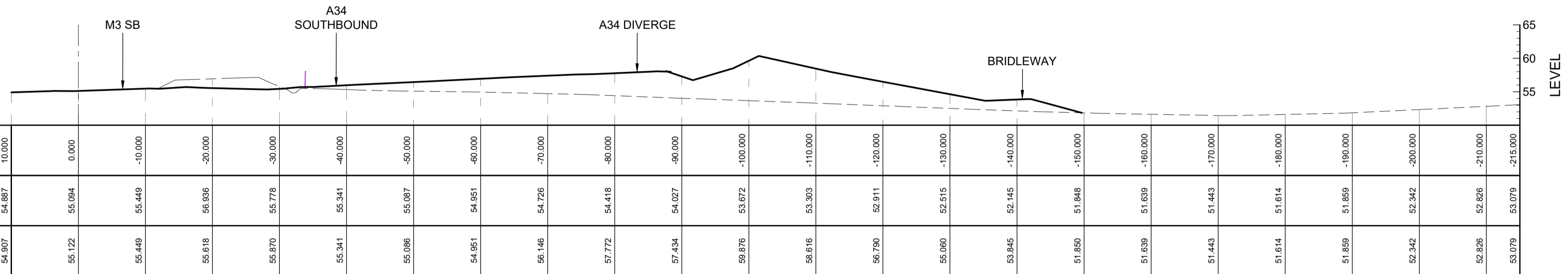
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Revision: Rev 0

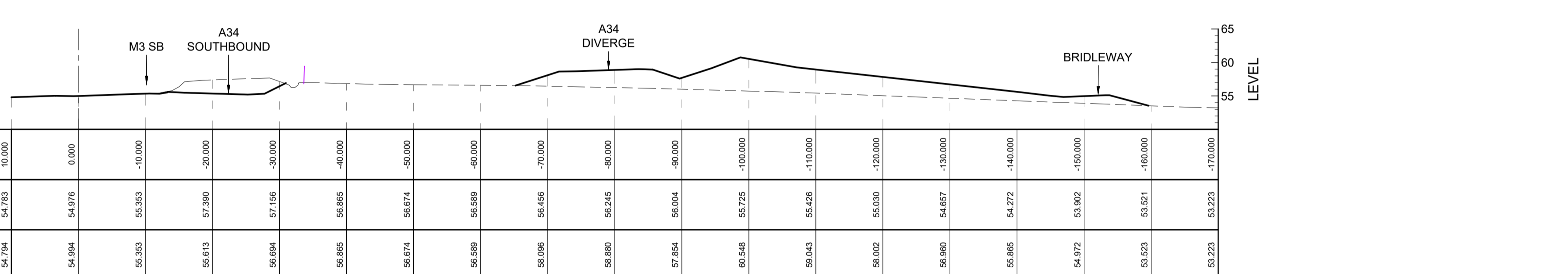
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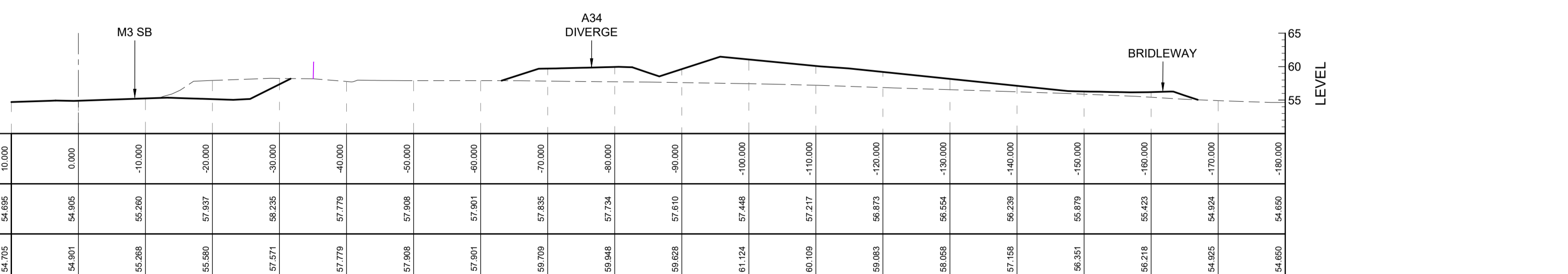
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SL-44 CH-3860.00  
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Rev 0	27.10.23	DEADLINE 6	GP	LC	MF
Rev.	Date	Description	Drawn	Chk'd	App'd

FOR INFORMATION

**VolkerFitzpatrick**

**Stantec**

**national highways**

Project Title  
**M3 JUNCTION 9 IMPROVEMENT SCHEME**

Drawing Title  
**ENGINEERING SECTIONS AT 20m INTERVALS  
ExA WQ2 1.2.3**

SHEET 11 OF 17

Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
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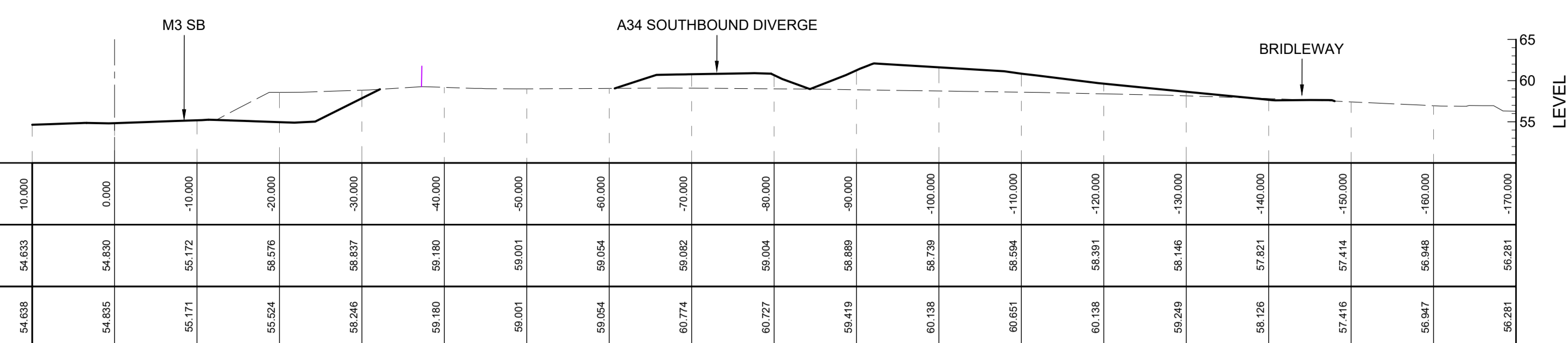
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Project Ref. No.  
**330610705**

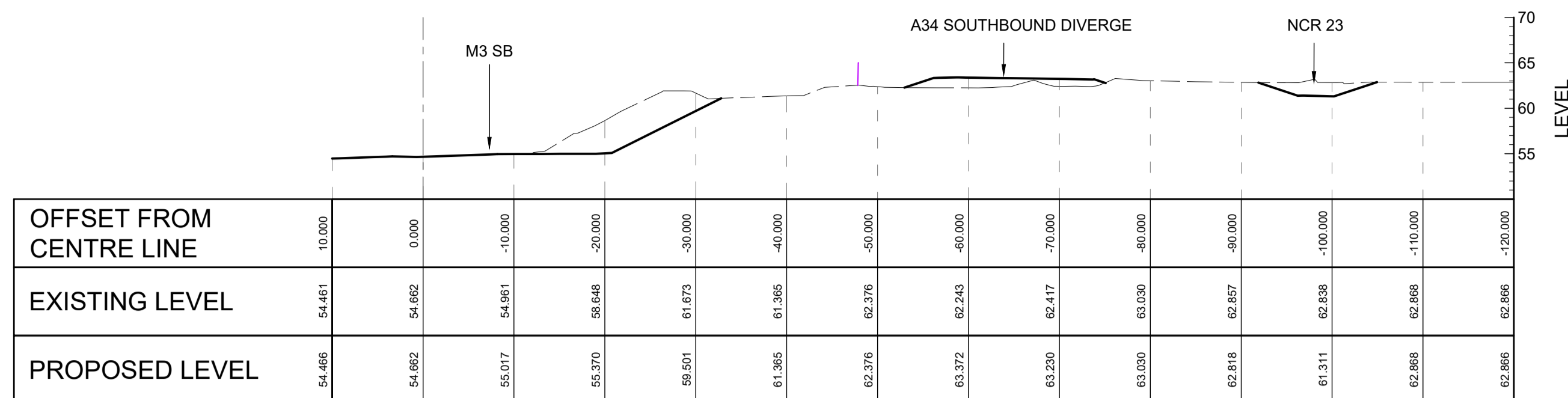
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**Rev 0**

HE PIN | Originator | Volume | Location | Type | Role | Number

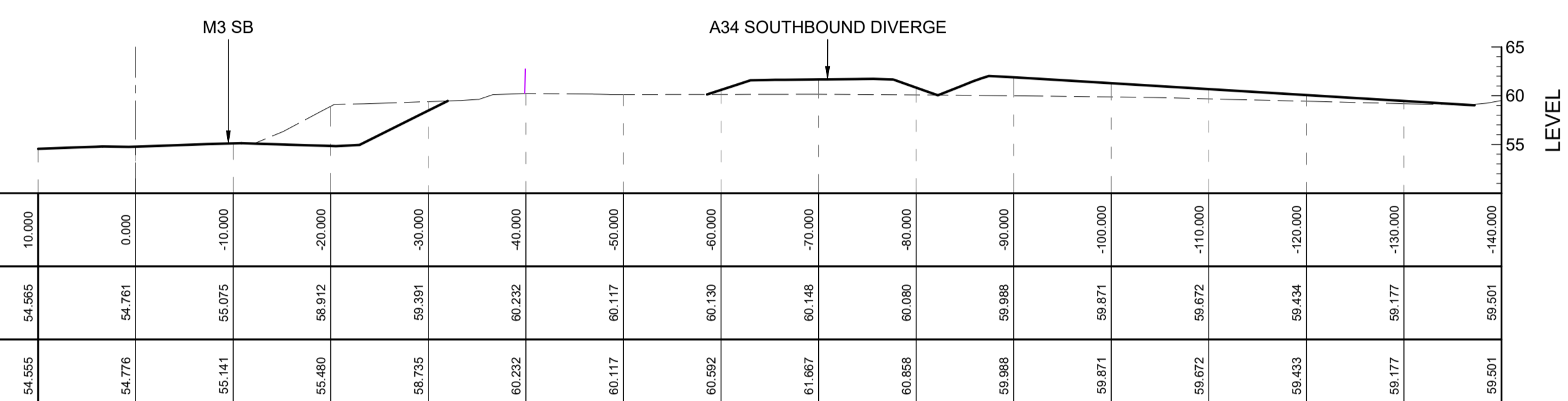
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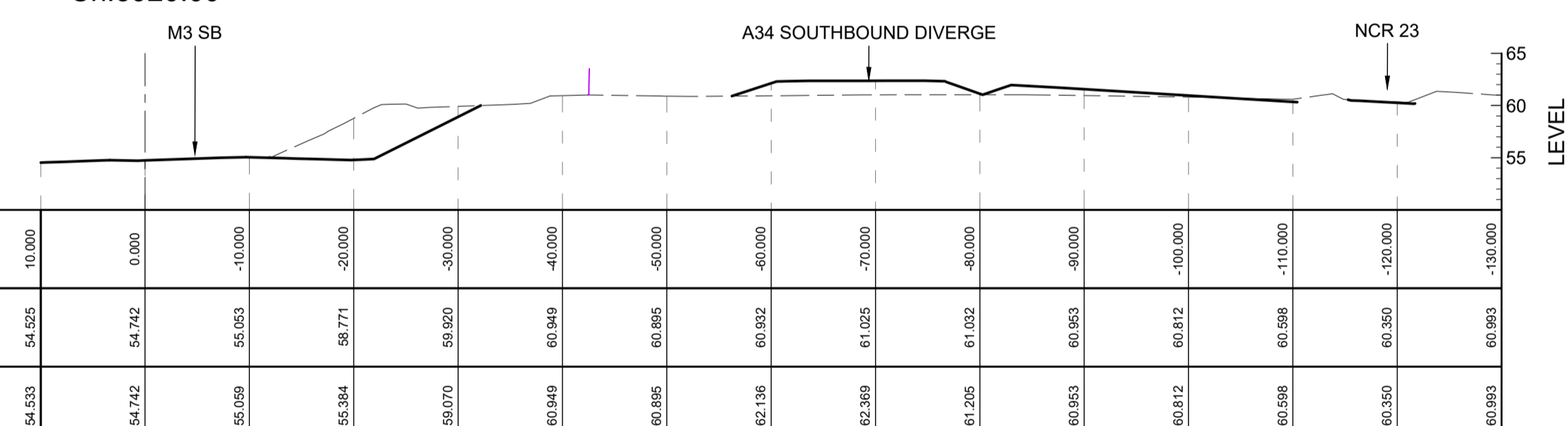
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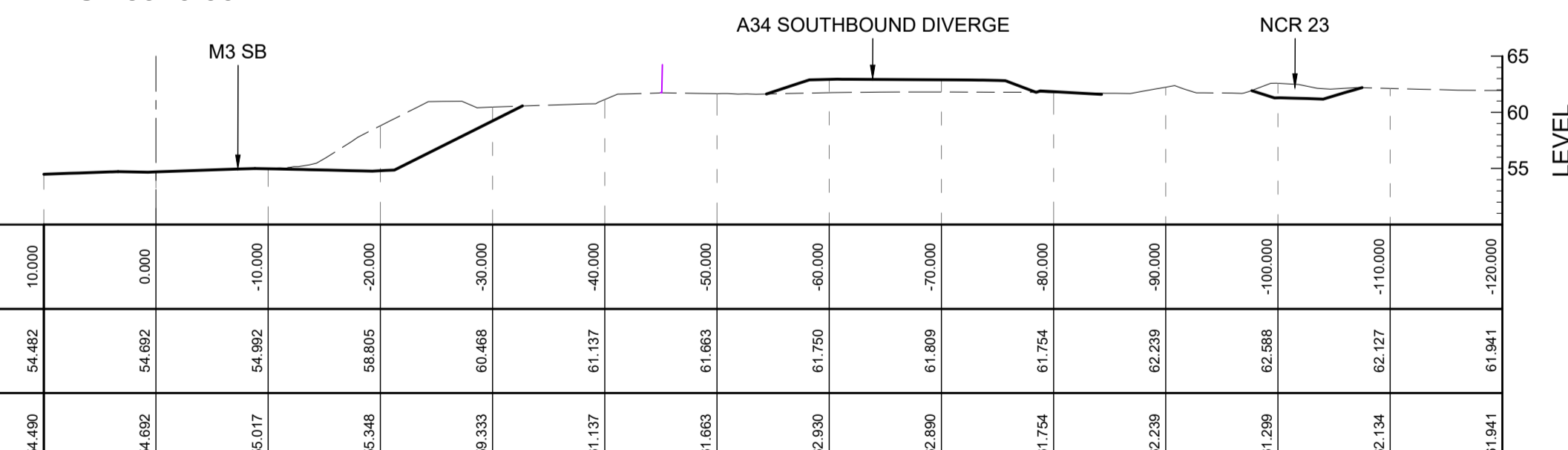
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SL-48 CH-3940.000  
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**LEGEND**

- EXISTING GROUND SURFACE
- PROPOSED GROUND SURFACE
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- SOUTH DOWNS NATIONAL PARK AREA

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Rev.	Date	Description	Drawn	Ch'kd	App'd
Rev 0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

Client: national highways

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME  
Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS  
ExA WQ2 1.2.3

SHEET 12 OF 17

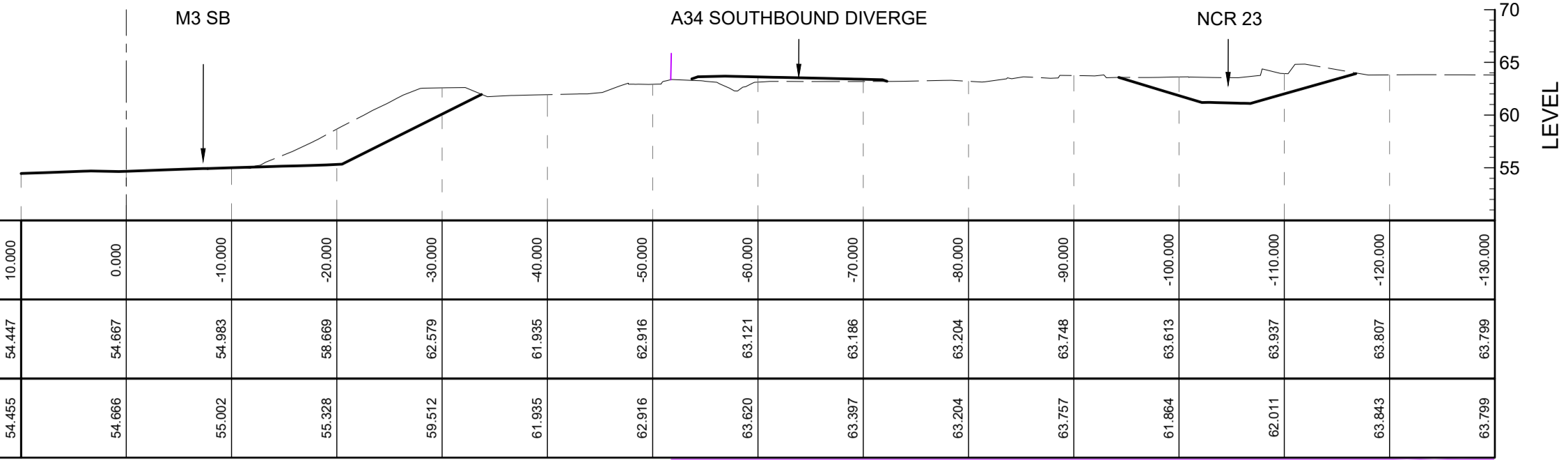
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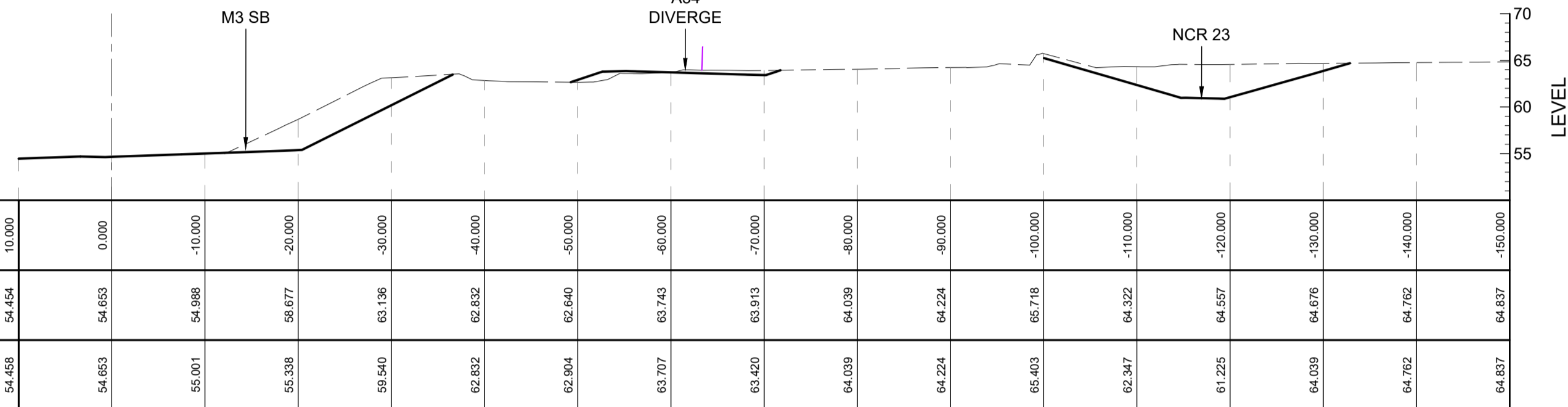
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Revision: Rev 0

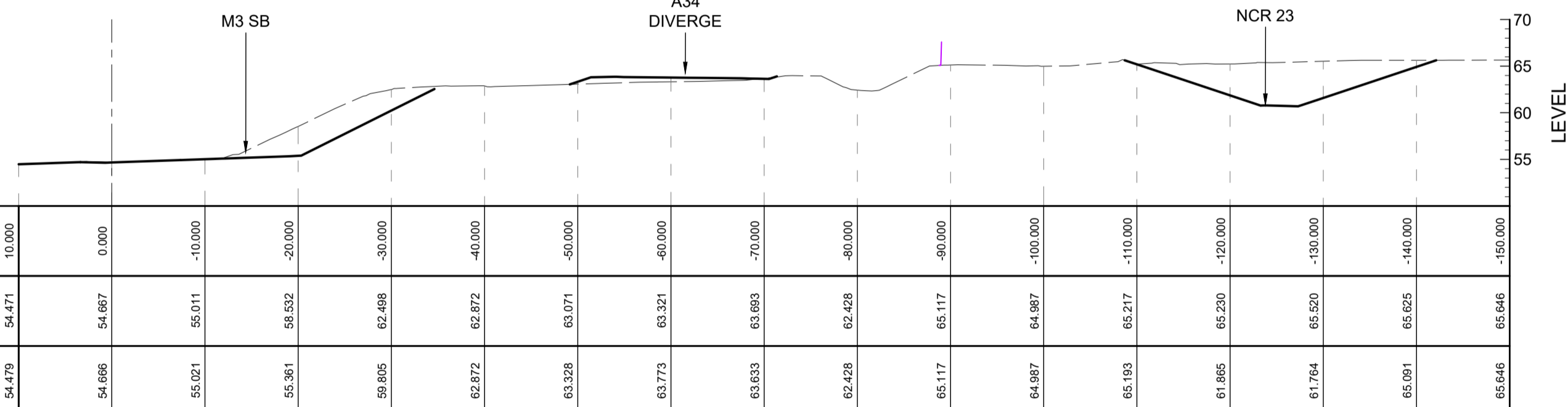
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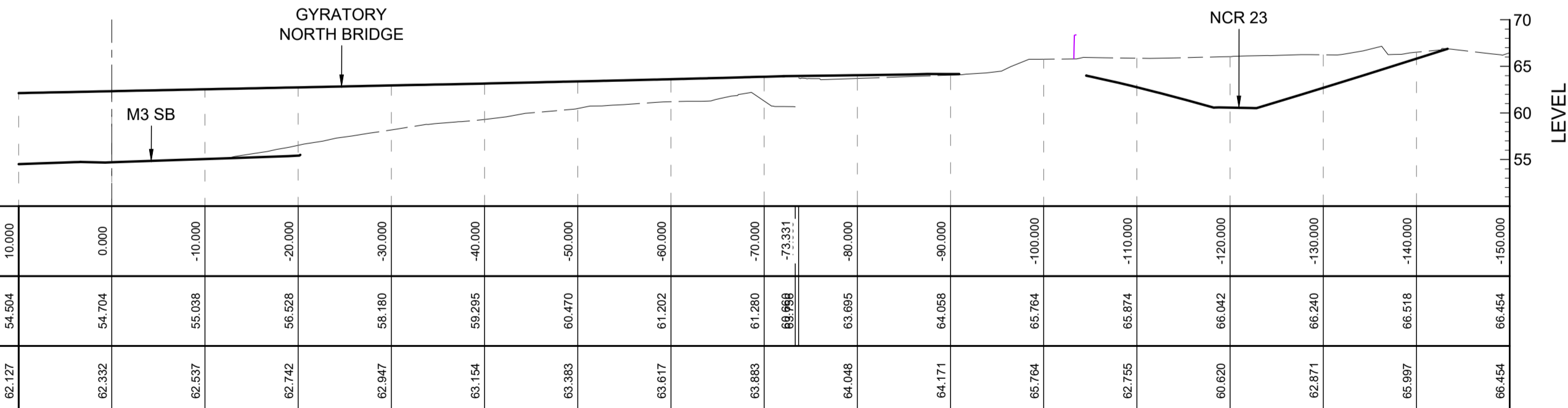
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- LEGEND**
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Rev	Date	Description	Drawn	Chk'd	App'd
0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

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**national highways**

Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 13 OF 17

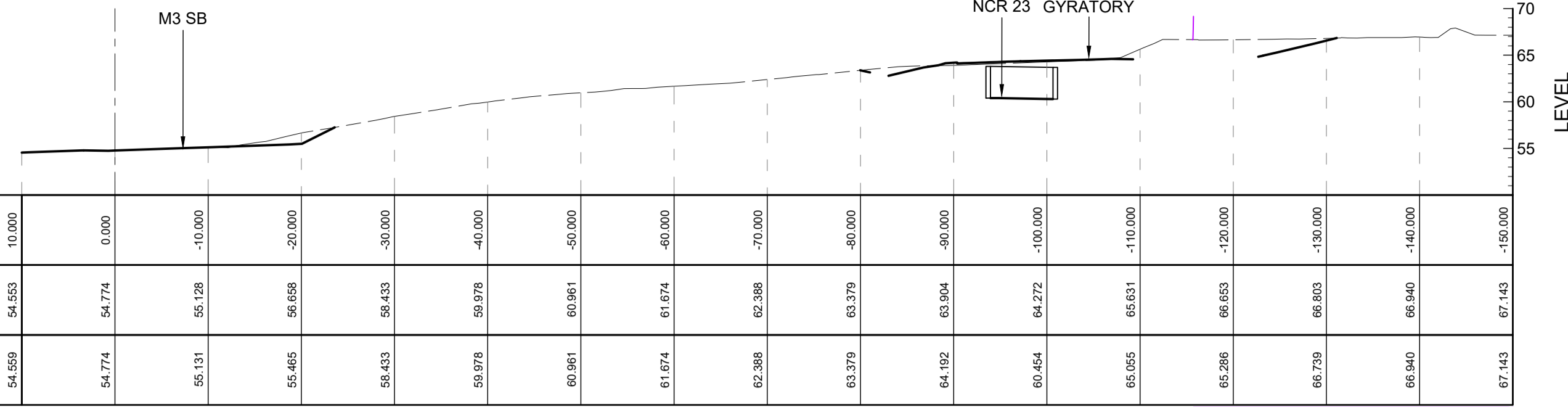
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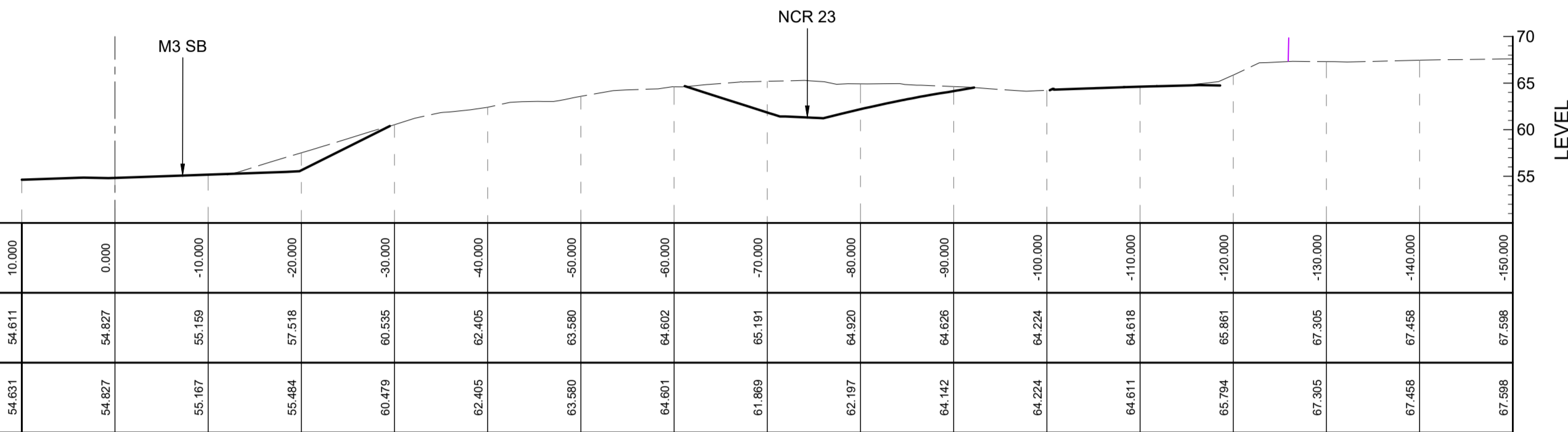
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Revision: Rev 0

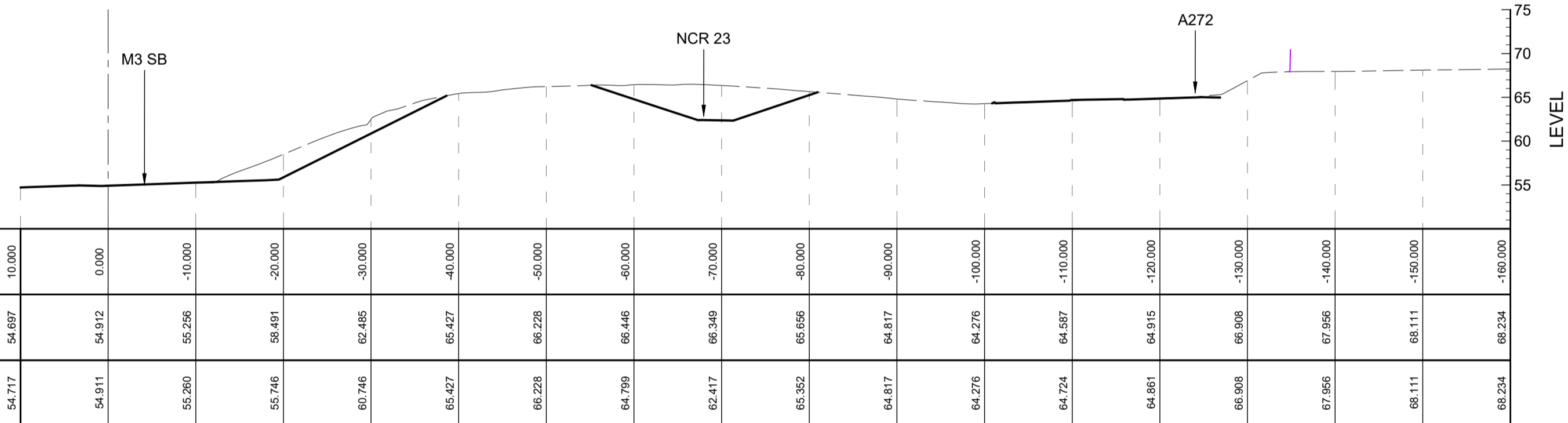
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SL-56 CH-4100.000  
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Rev	0	27.10.23	DEADLINE 6	GP	LC	MF
Rev.	Date	Description	Drawn	Ch'kd	App'd	

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Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 14 OF 17

Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
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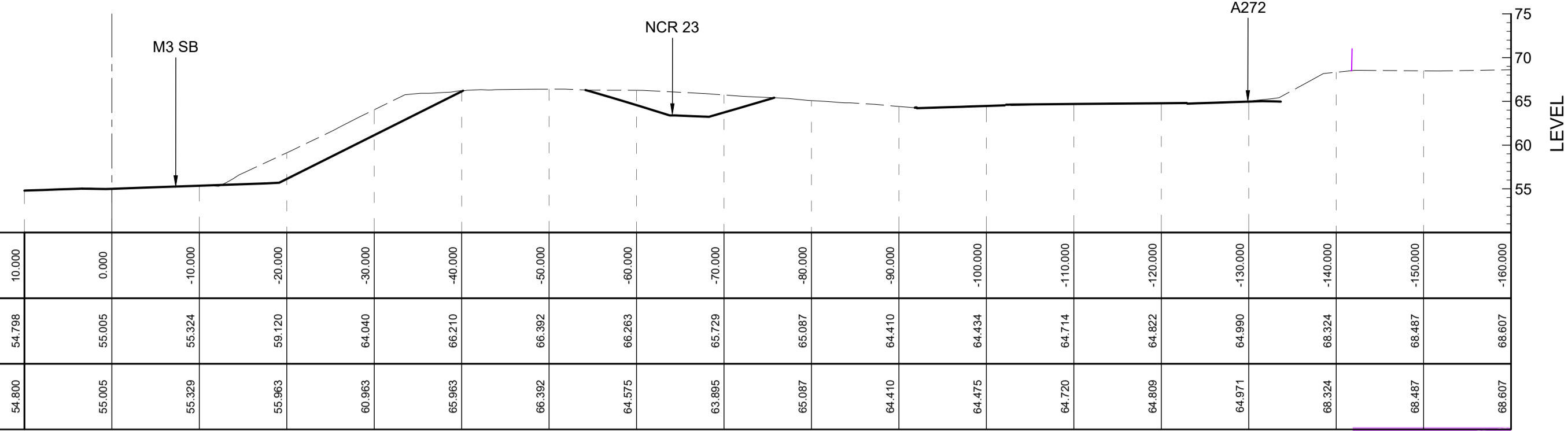
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Revision: Rev 0

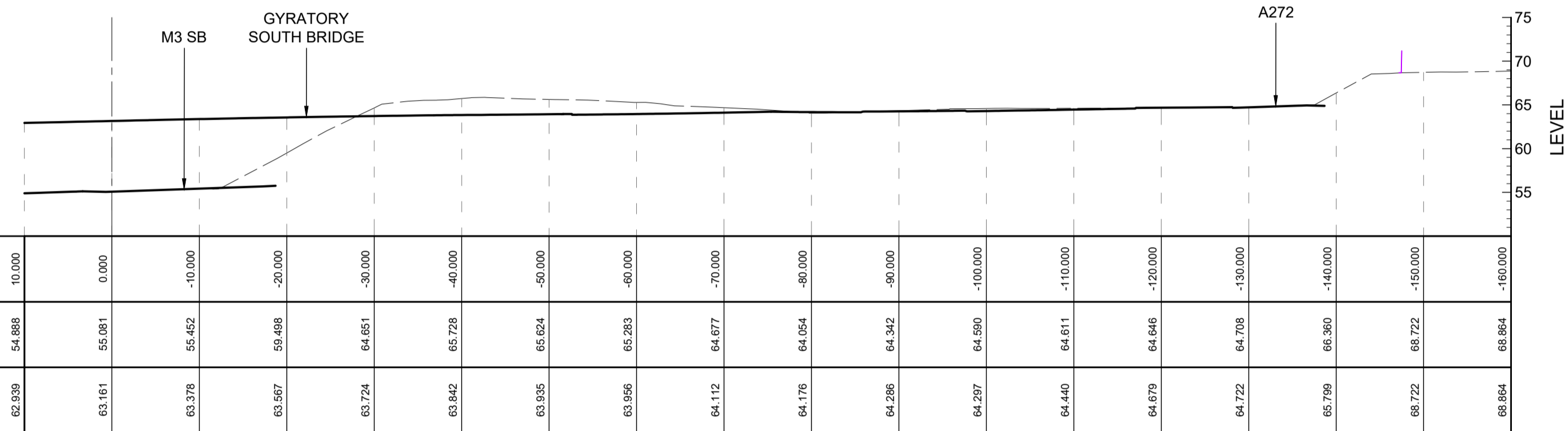
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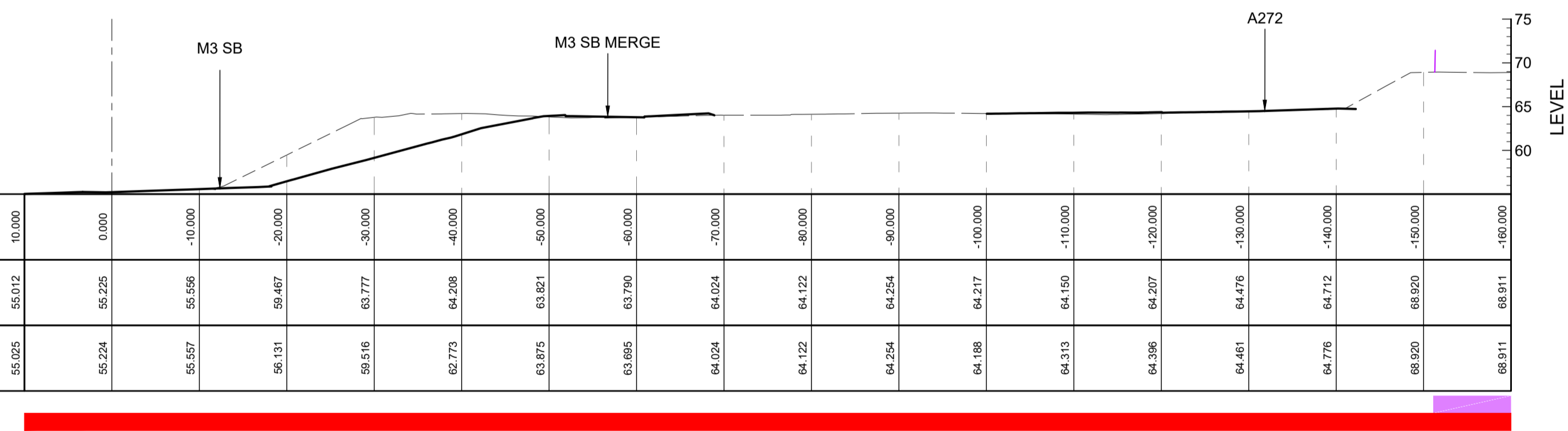
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Rev	Date	Description	Drawn	Ch'kd	App'd
Rev 0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

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Project Title: **M3 JUNCTION 9 IMPROVEMENT SCHEME**

Drawing Title: **ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3**

SHEET 15 OF 17

Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
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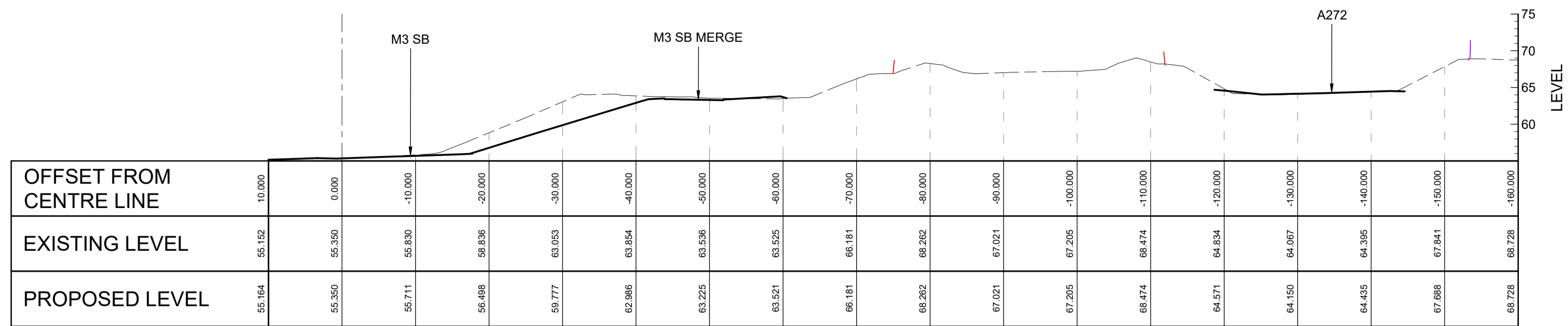
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Project Ref. No. **330610705**

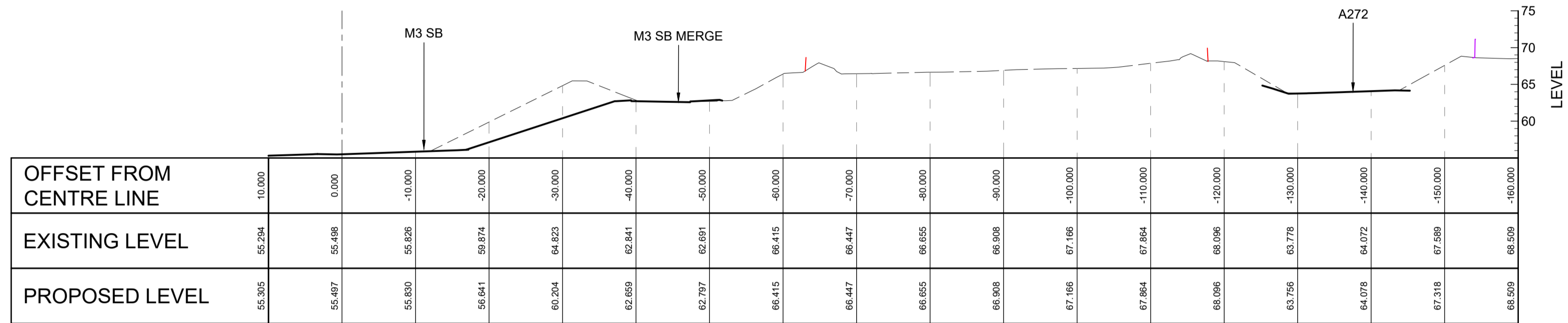
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HE PIN | Originator | Volume | Location | Type | Role | Number

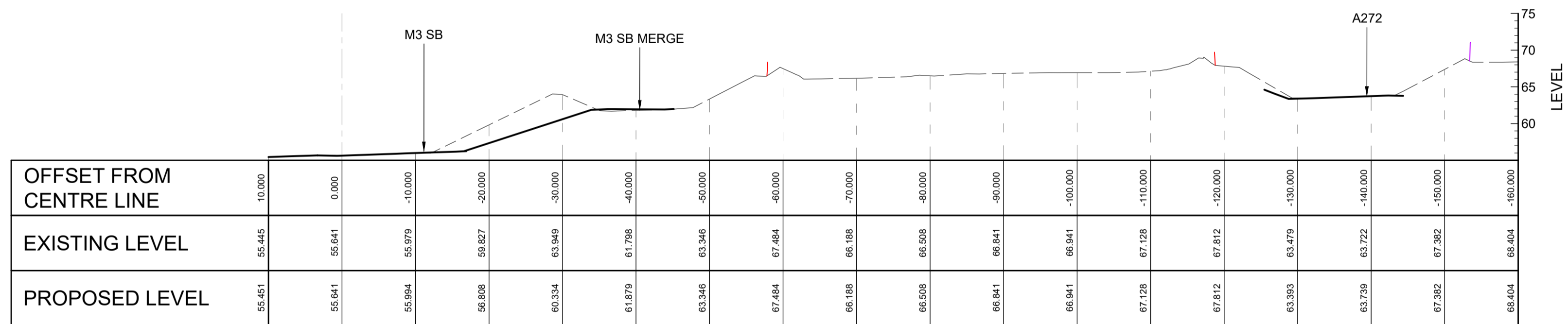
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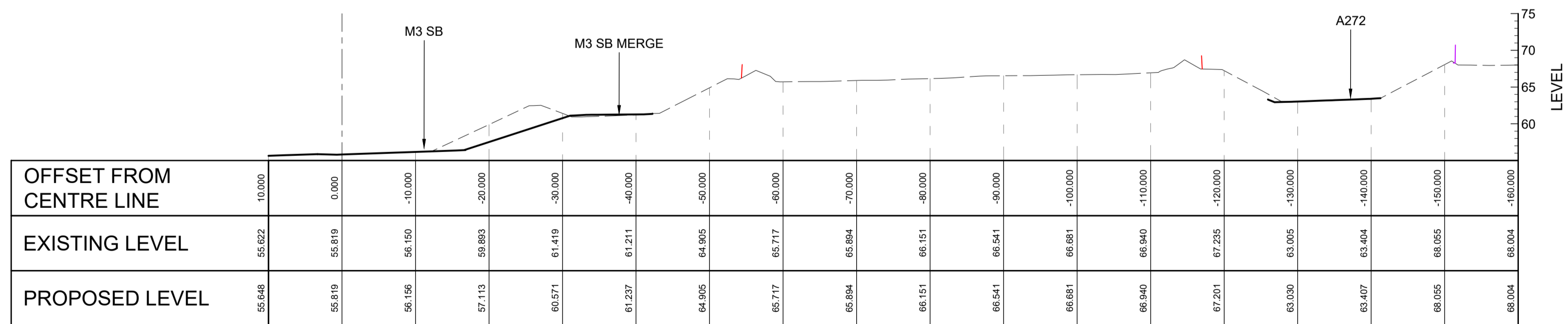
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SL-63 CH-4240.000  
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  - SOUTH DOWNS NATIONAL PARK AREA
- NOTES**

- ALL SECTIONS ARE FROM THE ENGINEERING MODELS. EARTHWORK SLOPES INDICATE PRELIMINARY DESIGN. THERE WILL BE SOFTENING AND SMOOTHING OF LANDSCAPED AREAS IN ACCORDANCE WITH RECORD OF ENVIRONMENTAL ACTIONS AND COMMITMENTS ENTRY LV13 OF THE FIRST ITERATION OF THE ENVIRONMENTAL MANAGEMENT PLAN (DOCUMENT REF 7.3)
- PLAN AND SECTIONS ARE SUBJECT TO DETAILED DESIGN.
- CROSS SECTIONS ARE ORIENTED FACING NORTHWARDS, WITH WEST TO THE LEFT AND EAST TO THE RIGHT OF THE PAGE
- RETAINING WALLS AND STRUCTURES ARE SHOWN INDICATIVELY ONLY.

Rev.	Date	Description	Drawn	Ch'kd	App'd
Rev 0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

**VolkerFitzpatrick**

**Stantec**

**national highways**

Project Title: **M3 JUNCTION 9 IMPROVEMENT SCHEME**

Drawing Title: **ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3**

SHEET 16 OF 17

Scale	Designed	Drawn	Checked	Approved
1:500	GP	GP	LC	MF
Original Size A1	Date 27.10.23	Date 27.10.23	Date 27.10.23	Date 27.10.23

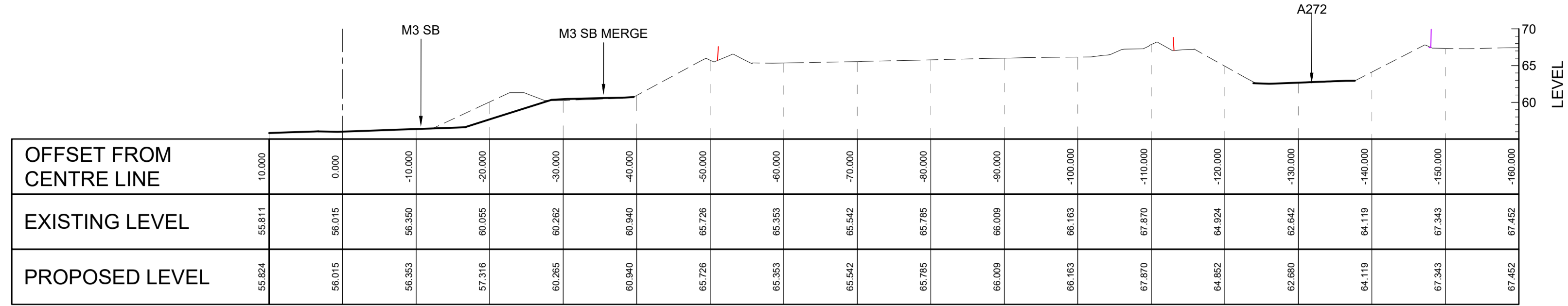
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Project Ref. No. **330610705**

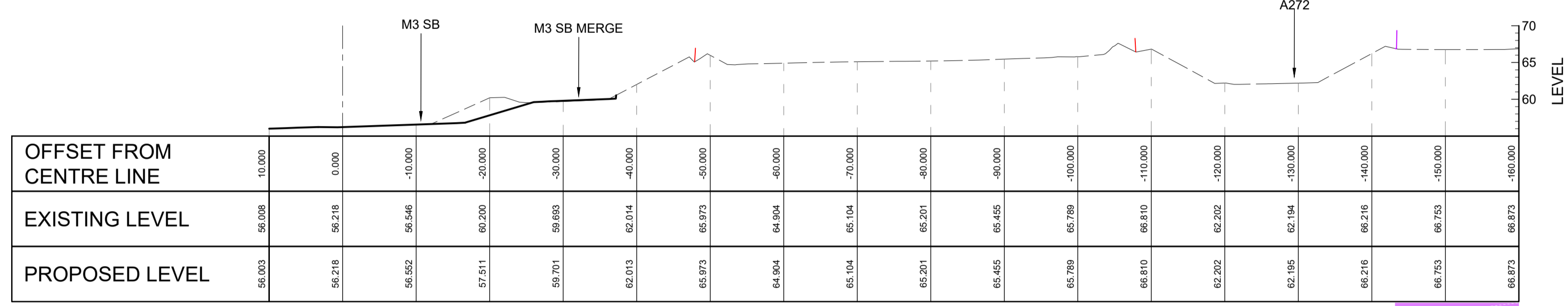
Revision **Rev 0**

HE PIN | Originator | Volume | Location | Type | Role | Number

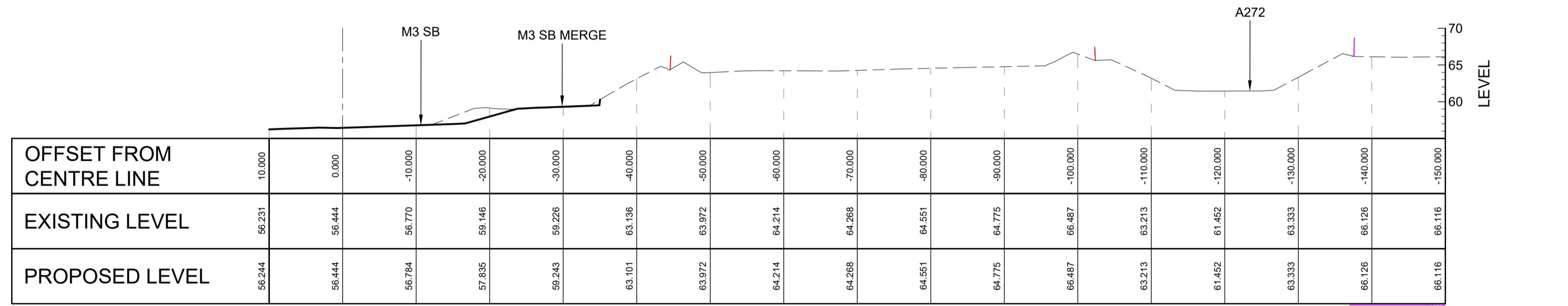
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Ch:4260.00



SL-65 CH-4280.000  
Ch:4280.00



SL-66 CH-4300.000  
Ch:4300.00



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- LEGEND**
- EXISTING GROUND SURFACE
  - PROPOSED GROUND SURFACE
  - ORDER LIMITS AREA
  - SOUTH DOWNS NATIONAL PARK AREA
- NOTES**

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Rev	Date	Description	Drawn	Ch'kd	App'd
Rev 0	27.10.23	DEADLINE 6	GP	LC	MF

FOR INFORMATION

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Project Title: M3 JUNCTION 9 IMPROVEMENT SCHEME

Drawing Title: ENGINEERING SECTIONS AT 20m INTERVALS ExA WQ2 1.2.3

SHEET 17 OF 17

Scale	1:500	Designed	GP	Drawn	GP	Checked	LC	Approved	MF
Original Size	A1	Date	27.10.23	Date	27.10.23	Date	27.10.23	Date	27.10.23

Drawing Number: HE551511-VFK-LLO-M3SB\_XX-DR-ZL-40018

Project Ref. No. 330610705

Revision: Rev 0