

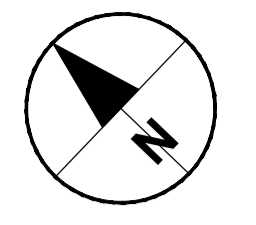


PROJECT
LLANMAES VILLAGE
FLOOD ALLEVIATION
SCHEME

CLIENT
VALE OF GLAMORGAN COUNCIL

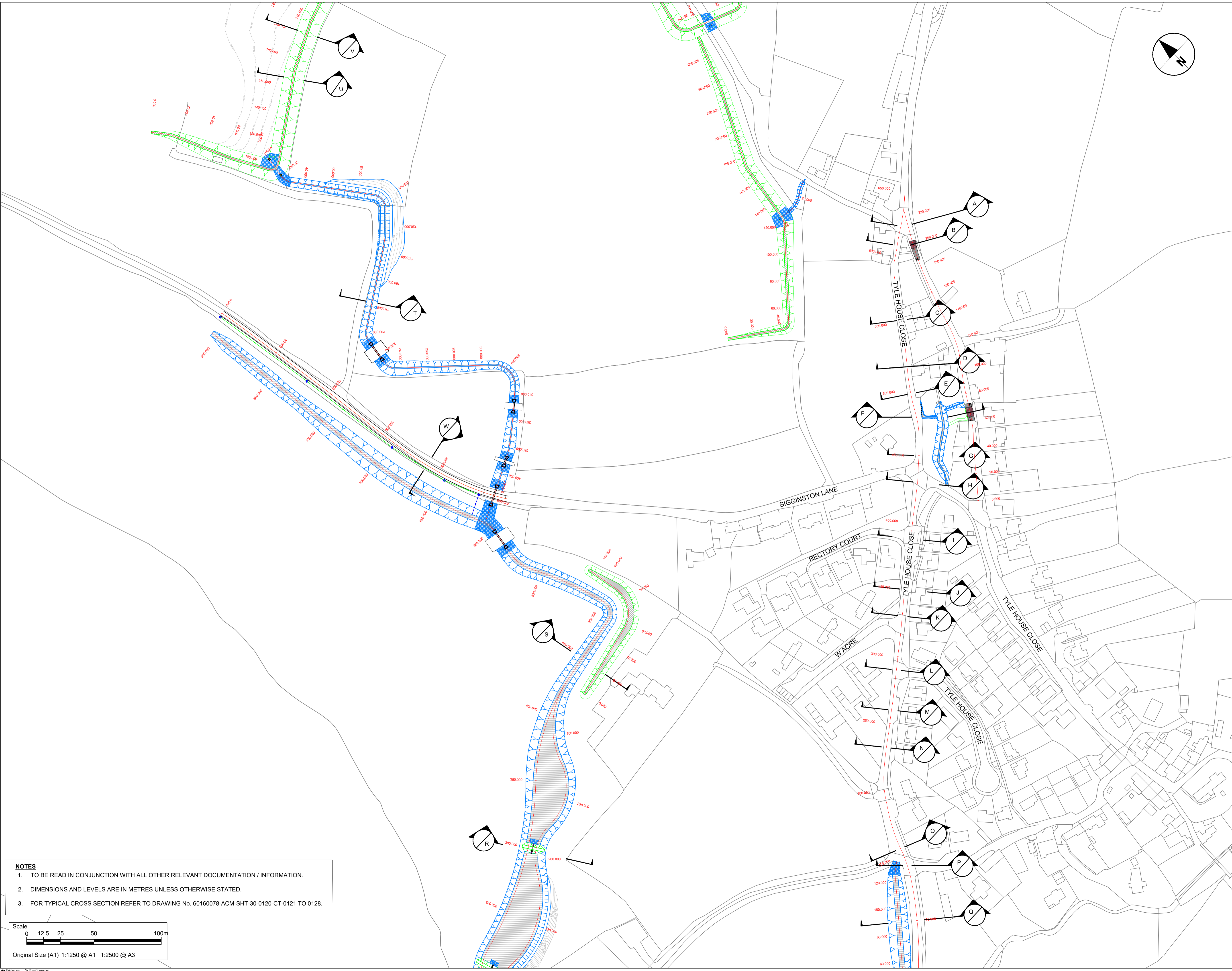


CONSULTANT
AECOM
1 CALLAGHAN SQUARE
CARDIFF
CF10 5BT
TEL: (029) 20674600
FAX: (029) 20674699

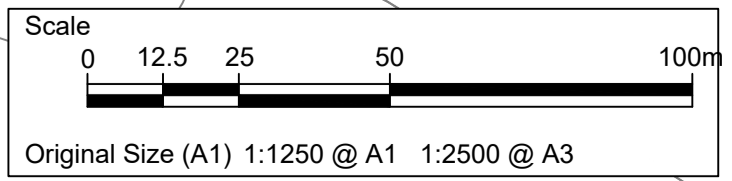


Project Management Initials: Designer: KP Checked: ATZ Approved: RM
ISO A1 594mm x 841mm

Last saved by: JONATHAN BLISSETT (2021-04-01) | Last Printed: 2021-07-07
Filename: F:\PROJECTS\HIGHWAYS - LLANMAES FLOOD ALLEVIATION SCHEMES\0 CADD\5.3 DRAWINGS\SERIES 0100 - PRELIM\30 0110 CROSS SECTIONS\60160078-ACM-SHT-30-0120-CT-0120.DWG



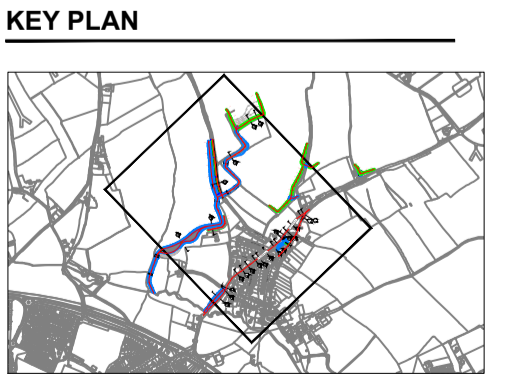
NOTES
1. TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION / INFORMATION.
2. DIMENSIONS AND LEVELS ARE IN METRES UNLESS OTHERWISE STATED.
3. FOR TYPICAL CROSS SECTION REFER TO DRAWING No. 60160078-ACM-SHT-30-0120-CT-0121 TO 0128.



STATUS
DETAILED DESIGN

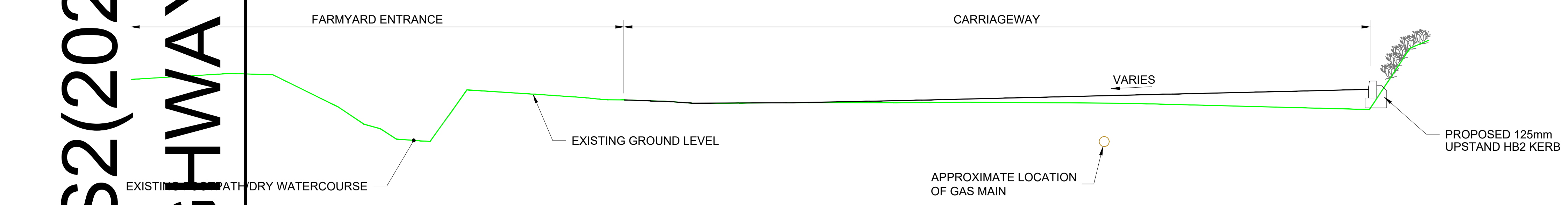
ISSUE/REVISION

IR	DATE	DESCRIPTION
C	07/07/2021	FOR PRICING
B	26/02/2021	DETAILED DESIGN
A	16/12/2020	DRAFT DETAILED DESIGN

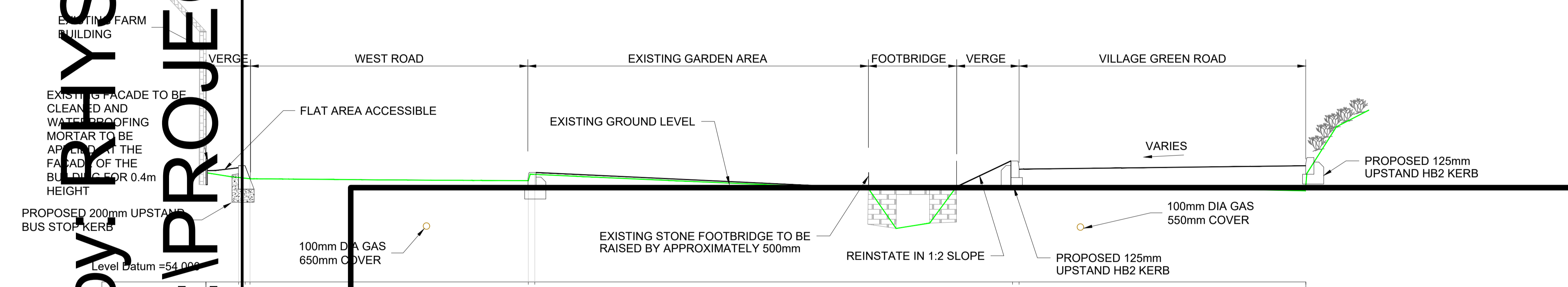


PROJECT NUMBER
60160078
SHEET TITLE
LLANMAES VILLAGE
FLOOD ALLEVIATION SCHEME
SECTIONS REFERENCE PLAN
SHEET 1 OF 1
SHEET NUMBER
60160078-ACM-SHT-30-0120-CT-0120

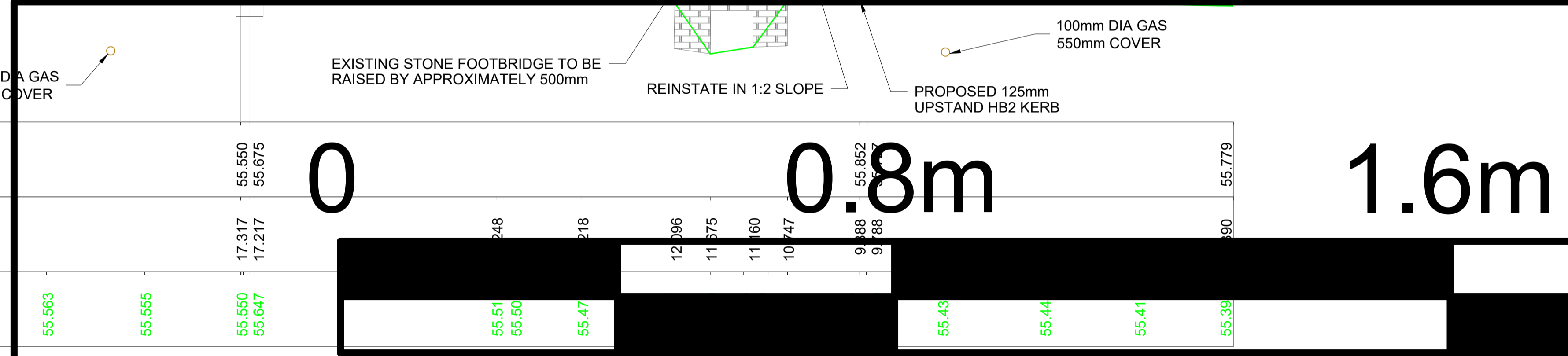
Last saved by **DAVIES2(2021)**
 Filename: **F:\PROJECTS\HIGHWAYS**



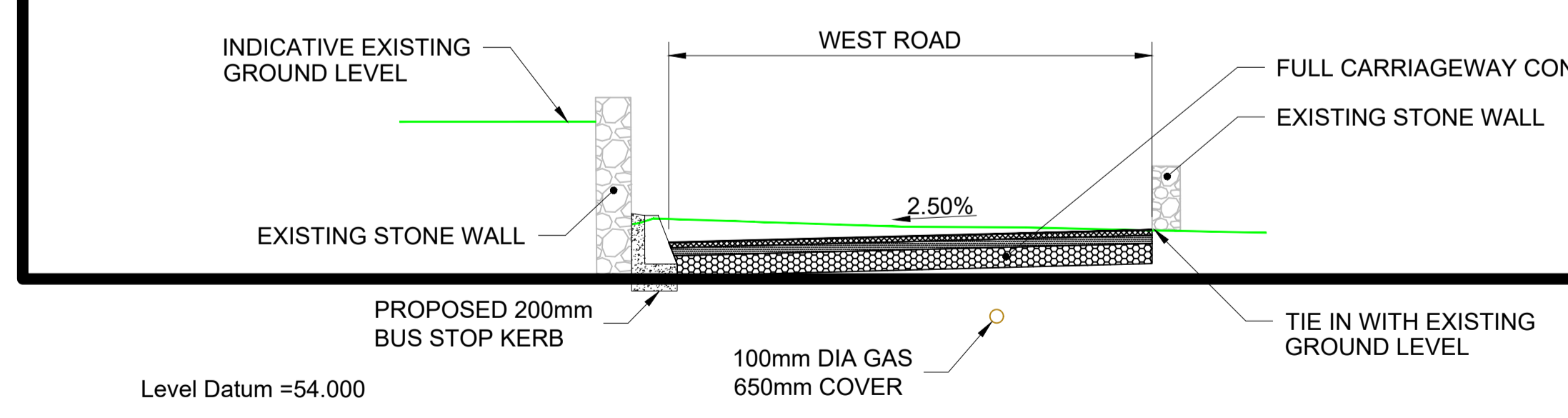
PROPOSED																																	
WIDTH																																	
E.G.	55.912	56.002	55.981	55.491	55.237	55.166	55.011	54.984	55.150	55.371	55.754	55.688	55.672	55.636	55.632	55.604	55.602	55.581	55.553	55.547	55.559	55.561	55.560	55.560	55.562	55.567	55.562	55.561	55.553	55.535	55.491	55.466	55.457



PROPOSED																			
WIDTH																			
E.G.L.	55.610	55.580	55.573	55.563	55.555	55.550	55.647	55.511	55.500	55.477	55.433	55.444	55.441	55.399					



Scale 1:40 @ A1



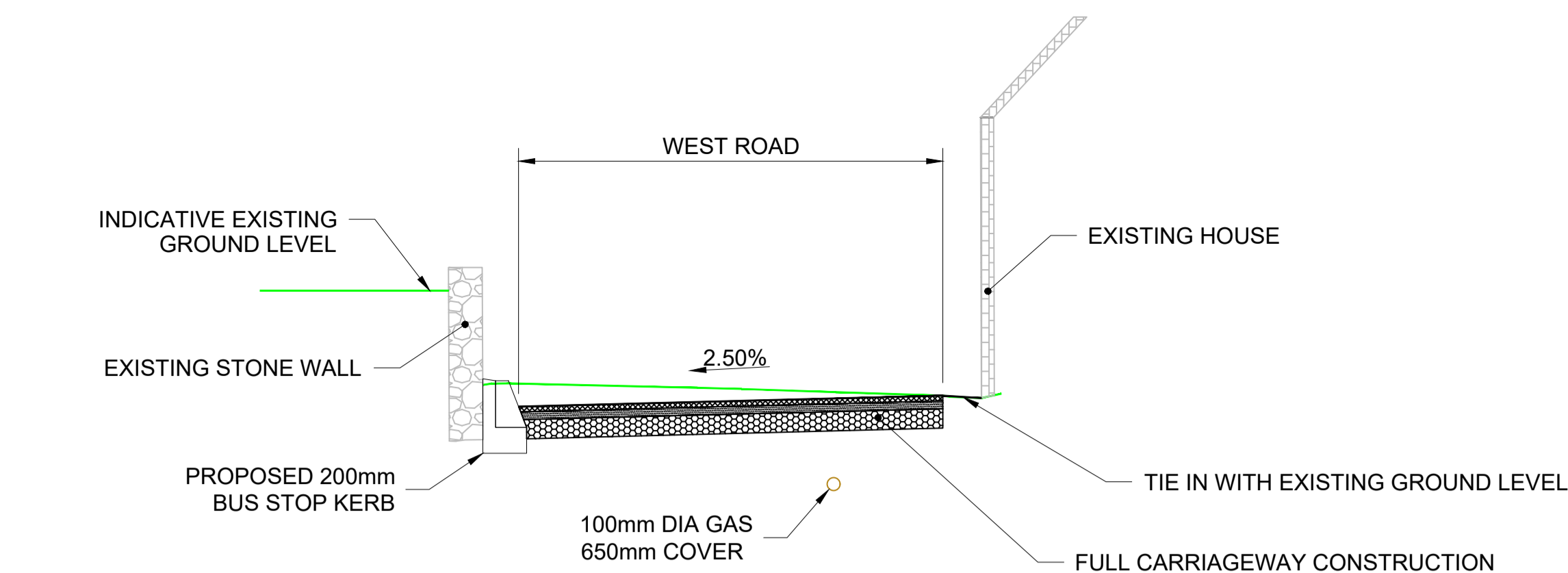
PROPOSED						
WIDTH						
E.G.L.	55.464	55.300	55.466	55.438	55.432	55.416

SECTION C

Printed on % Post-Consumer Recycled Content Paper

Last saved by: RHYS.DAVIES2(2021)

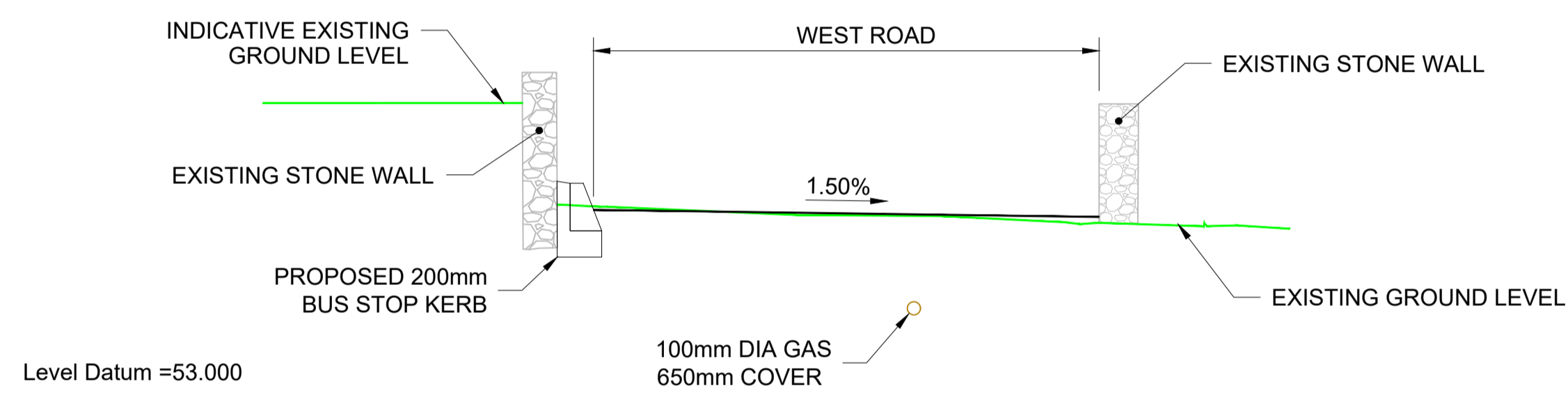
 Filename: F:\PROJECTS\HIGHWAYS



Level Datum =53.000

PROPOSED	55.009 55.009 54.841		54.925 54.908
WIDTH	0.100 0.175	3.271	0.298
E.G.L	55.018 55.020	54.987 54.977	54.953 54.918 54.908 55.194 55.286 55.172

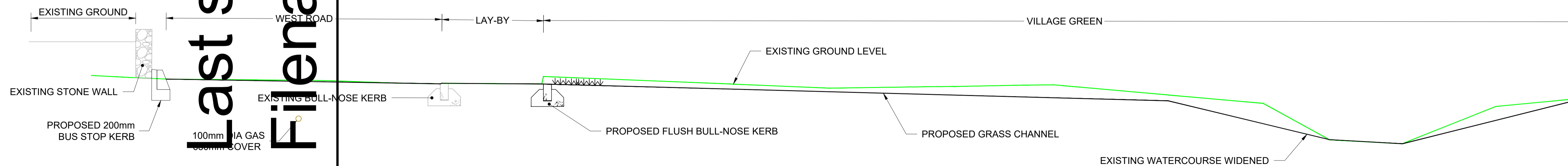
SECTION D



Level Datum =53.000

PROPOSED		54.471		54.419 54.373
WIDTH			3.655	0.178
E.G.L		54.511 54.484	54.432 54.422	54.376 54.361 54.373

SECTION E

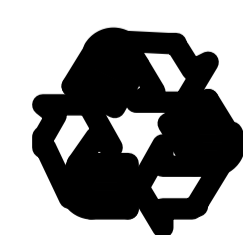
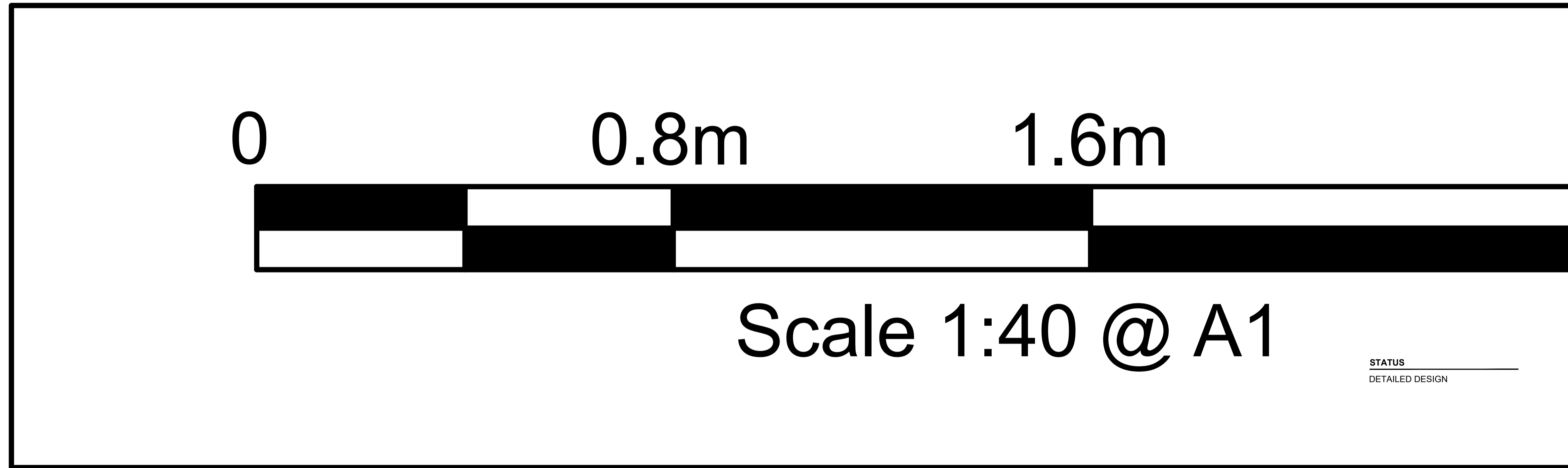


Level Datum =52.000

PROPOSED		53.988		53.899 53.910	53.896		53.584		53.805																													
WIDTH		47.376		2.321 2.290	40.448 40.419		28.900		21.350																													
E.G.L	54.077 54.036	53.988	53.997	53.995	53.997	54.000	53.969	53.947	53.920	53.889 53.910	53.908	53.897 53.896	53.877	53.857	53.838	53.818	53.799	53.779	53.760	53.740	53.721	53.701	53.682	53.662	53.643	53.623	53.604	53.584	53.014	52.831	52.823	52.865	52.840	52.792	53.076	53.469	53.586	53.605

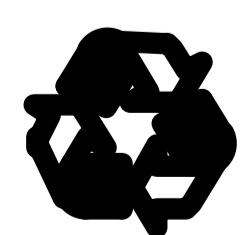
Printed on % Post-Consumer Recycled Content Paper

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Filename: F:\PROJECTS\HIGHWAYS



Printed on ___% Post-Consumer
Recycled Content Paper

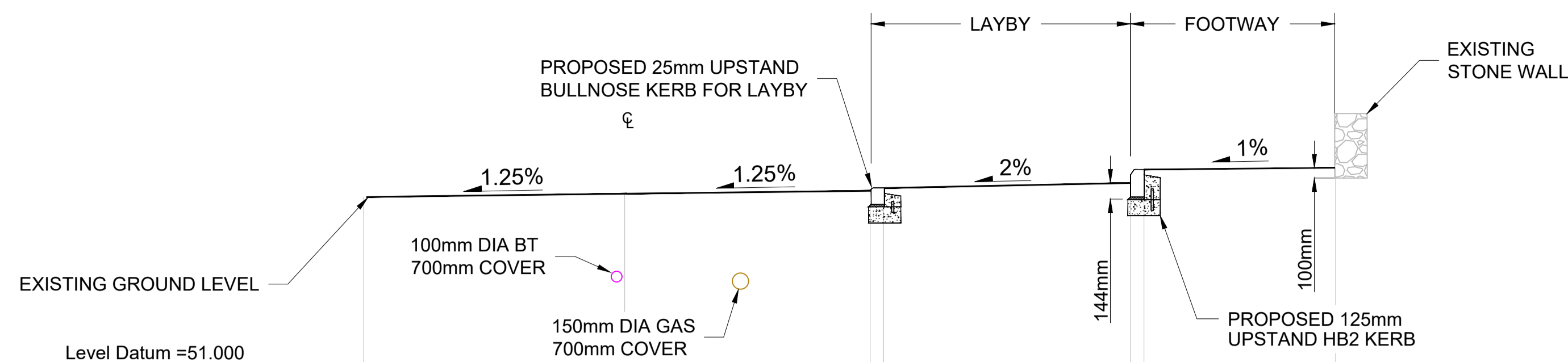
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Filename: F:\PROJECTS\HIGHWAYS



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Recycled Content Paper

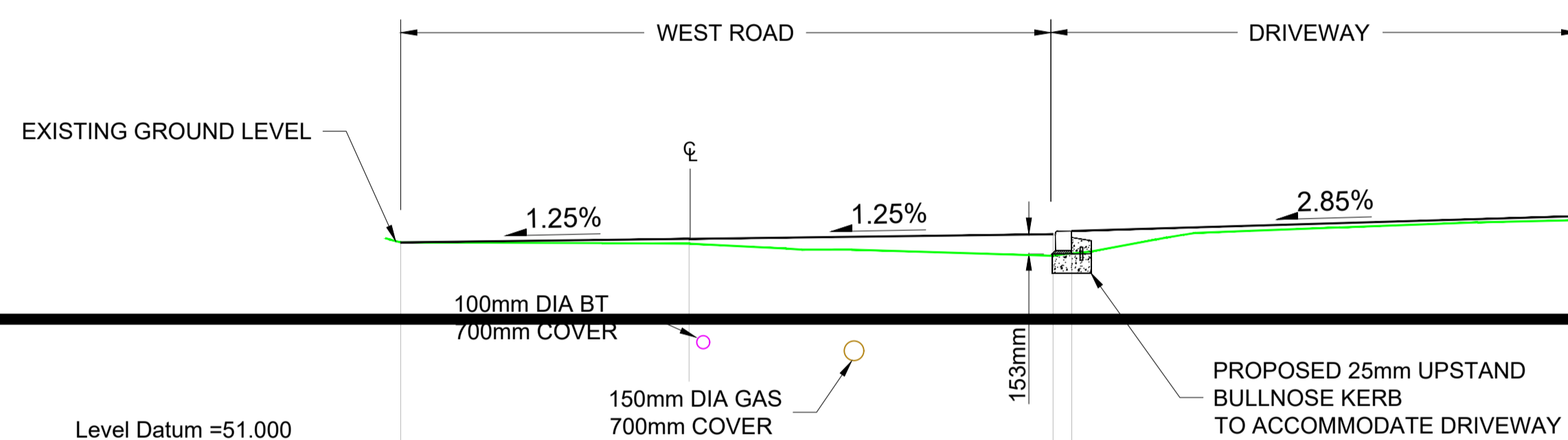
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 Filename: F:\PROJECTS\HIGHWAYS



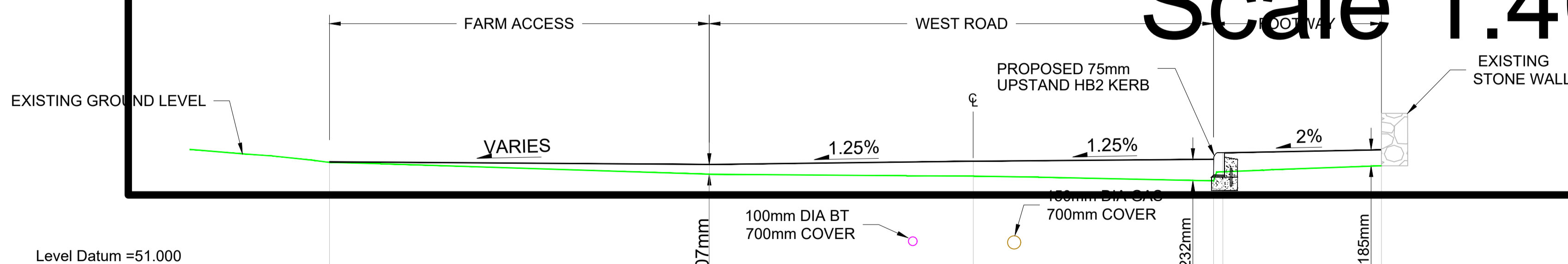
PROPOSED	52.683	52.714	52.742	52.767	52.813	52.938	52.954
WIDTH		2.417	2.270	0.126	2.284	0.125	1.772
E.G.L	52.823	52.683	52.692	52.693	52.662	52.654	52.655
					52.660	52.766	52.778
							52.854
							52.858

SECTION M



PROPOSED	52.678	52.705	52.740	52.766	52.879
WIDTH	0	2.216	2.797	0.144	3.689
E.G.L	52.711	52.678	52.675	52.609	52.700
					52.737
					52.751

SECTION N



PROPOSED	52.317	52.287	52.324	52.346	52.421	52.454
WIDTH		3.017	2.747	0.107	1.811	
E.G.L	52.408	52.384	52.334	52.309	52.296	52.176
						52.157
						52.164
						52.141
						52.100
						52.201
						52.220
						52.228
						52.271

SECTION O

Scale 1:40 @ A1

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Last saved by: RHYS.DAVIES(2021)
Filename: F:\PROJECTS\HIGHWAYS\

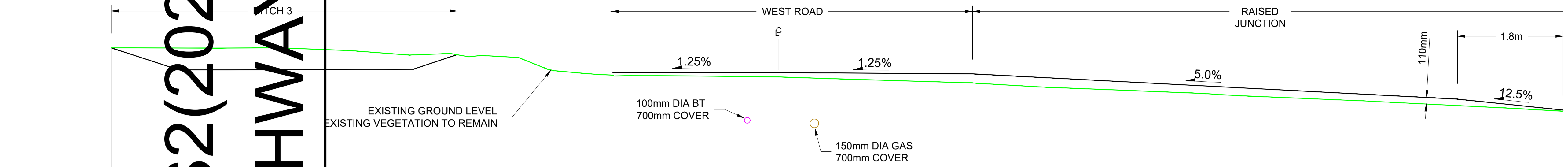


Table with 3 columns: PROPOSED, WIDTH, E.G.L. for Section P. Values include PROPOSED (52.415, 52.033, 52.044, 52.296, 52.283, 52.021, 51.985, 51.987, 51.966, 51.529, 51.341), WIDTH (1.170, 0.758, 0.526, 1.240, 1.020, 2.873, 3.343, 8.377, 1.820), and E.G.L. (52.415, 52.366, 52.289, 52.317, 52.261, 52.283, 52.248, 52.050, 52.021, 51.982, 51.955, 51.928, 51.937, 51.929, 51.917, 51.912, 51.888, 51.808, 51.742, 51.626, 51.609, 51.589, 51.495, 51.363, 51.322).

SECTION P

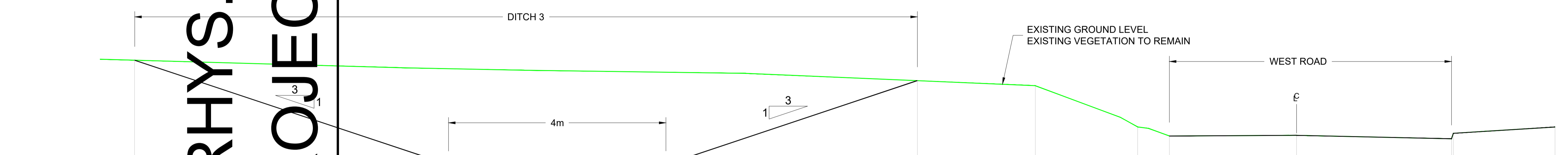


Table with 3 columns: PROPOSED, WIDTH, E.G.L. for Section Q. Values include PROPOSED (52.245, 50.324, 50.326, 51.869, 50.850, 50.863, 50.801, 50.901, 51.016), WIDTH (5.73, 4.001, 4.629, 2.170, 1.854, 0.585, 2.341, 2.850, 0.034, 1.872), and E.G.L. (52.106, 52.060, 52.003, 51.780, 51.777, 51.191, 51.018, 50.992, 50.850, 50.863, 50.860, 50.801, 50.901, 50.940, 51.016).

SECTION Q

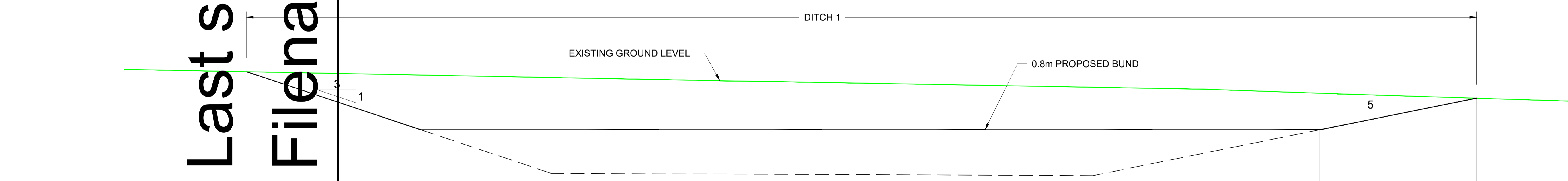


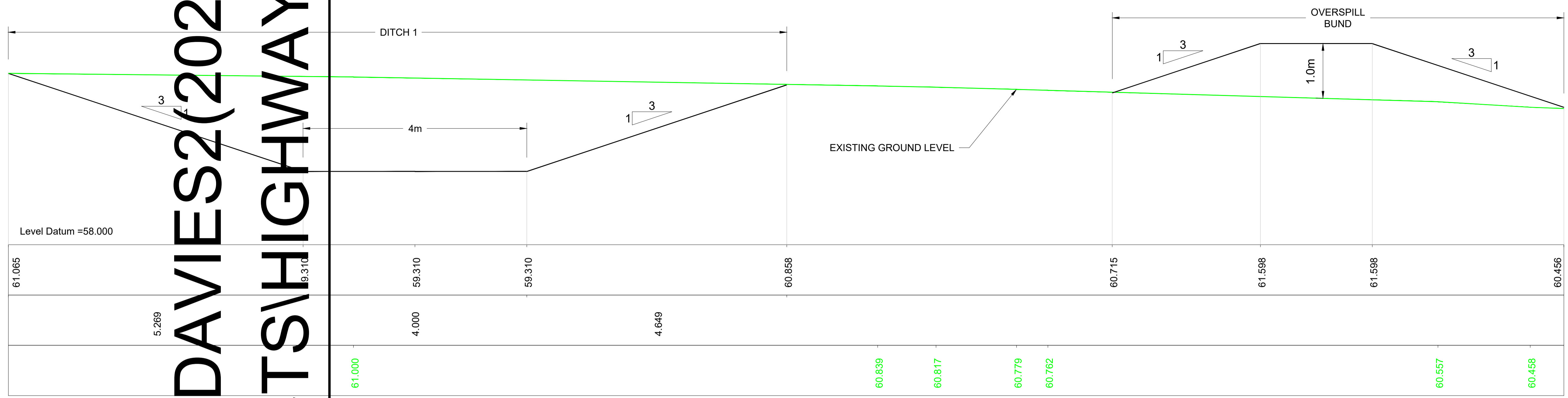
Table with 3 columns: PROPOSED, WIDTH, E.G.L. for Section R. Values include PROPOSED (60.458, 59.890, 59.869), WIDTH (3.230, 41.416, 2.885), and E.G.L. (60.500, 60.297, 60.288, 60.269, 60.131, 60.050).

SECTION R

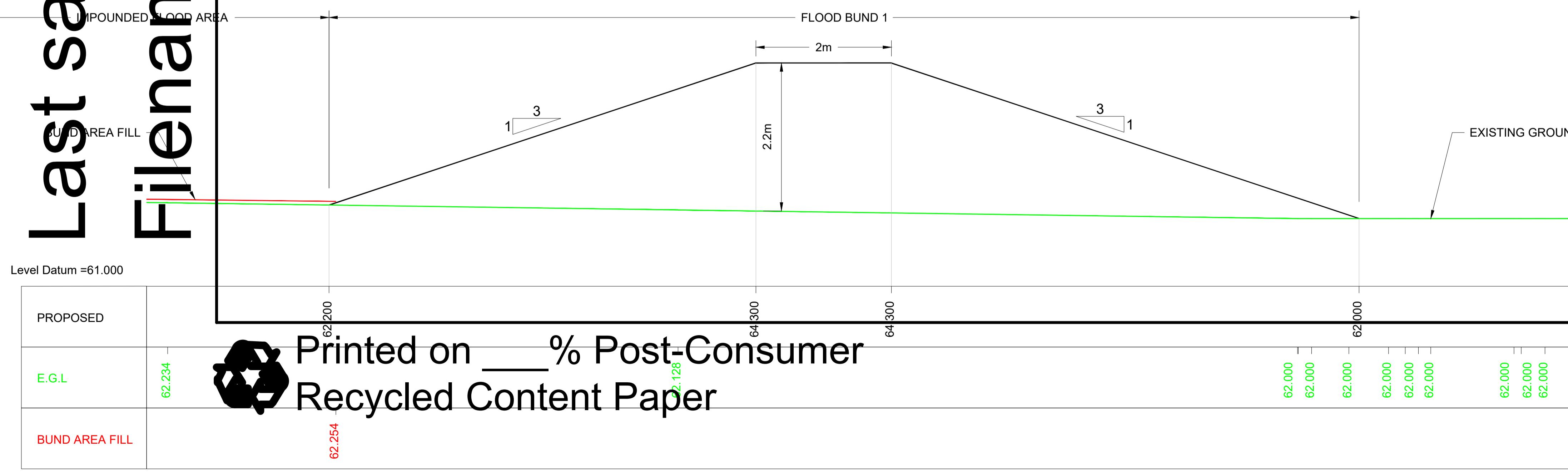
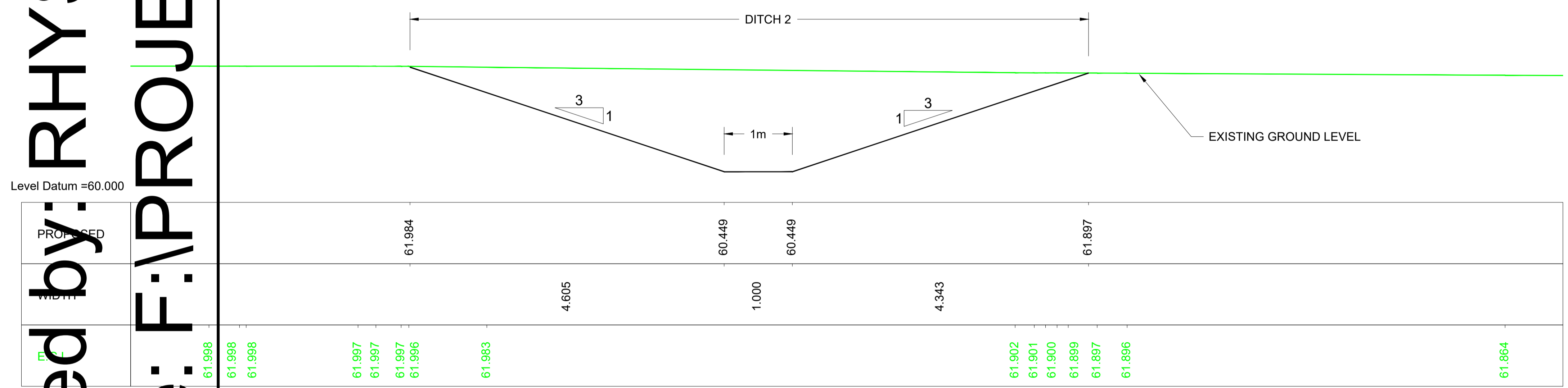
Printed on ___% Post-Consumer Recycled Content Paper

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SECTION S



SECTION U

Printed on ___% Post-Consumer Recycled Content Paper

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Filename: F:\PROJECTS\HIGHWAYS

WIDTH

AECOM

PROJECT

FLOOD ALLEVIATION
SCHEME

CLIENT

VALE OF GLAMORGAN COUNCIL

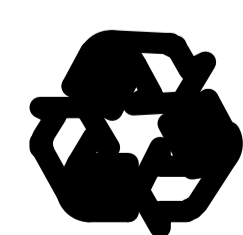
AECOM
1 CALLAGHAN SQUARE
CARDIFF
CF10 5BT
TEL: (029) 20674600
FAX: (029) 20674699

E.G.L



STATUS

DETAILED DESIGN

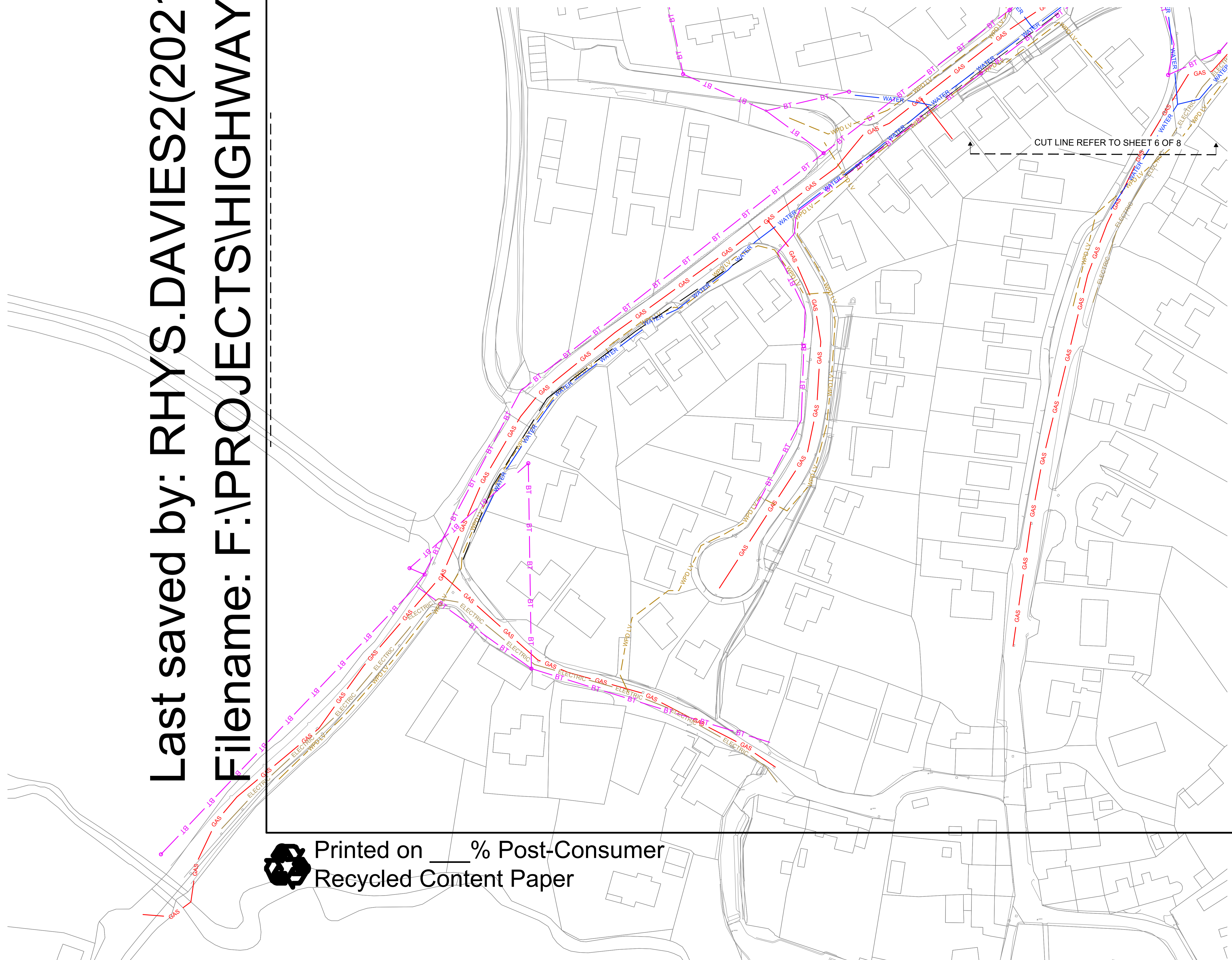


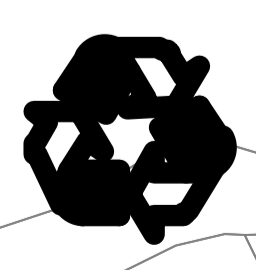
Printed on ___% Post-Consumer
Recycled Content Paper

PROJECT NUMBER

60160078

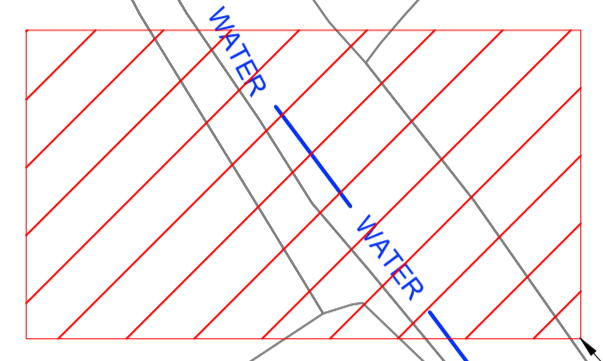
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Filename: F:\PROJECTS\HIGHWAYS



 Printed on ___ % Post-Consumer
Recycled Content Paper

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Filename: F:\PROJECTS\HIGHWAYS

CUT LINE REFER TO SHEET 4 OF 8

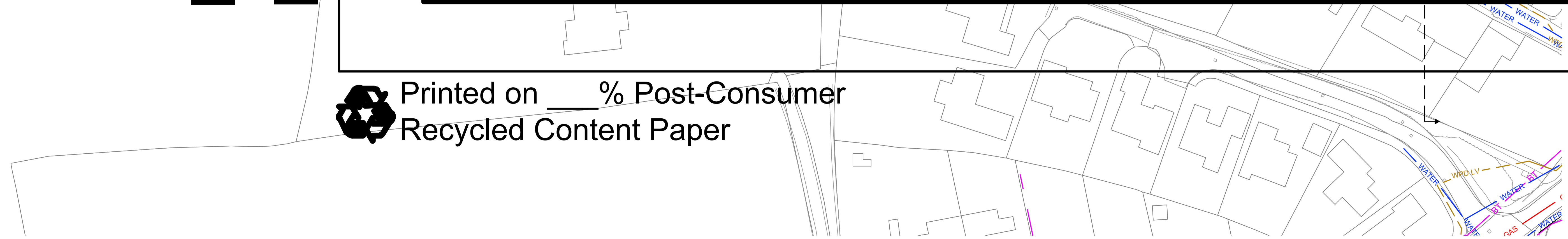


KNOWN CLASH LOCATION WITH
WELSH WATER MAIN

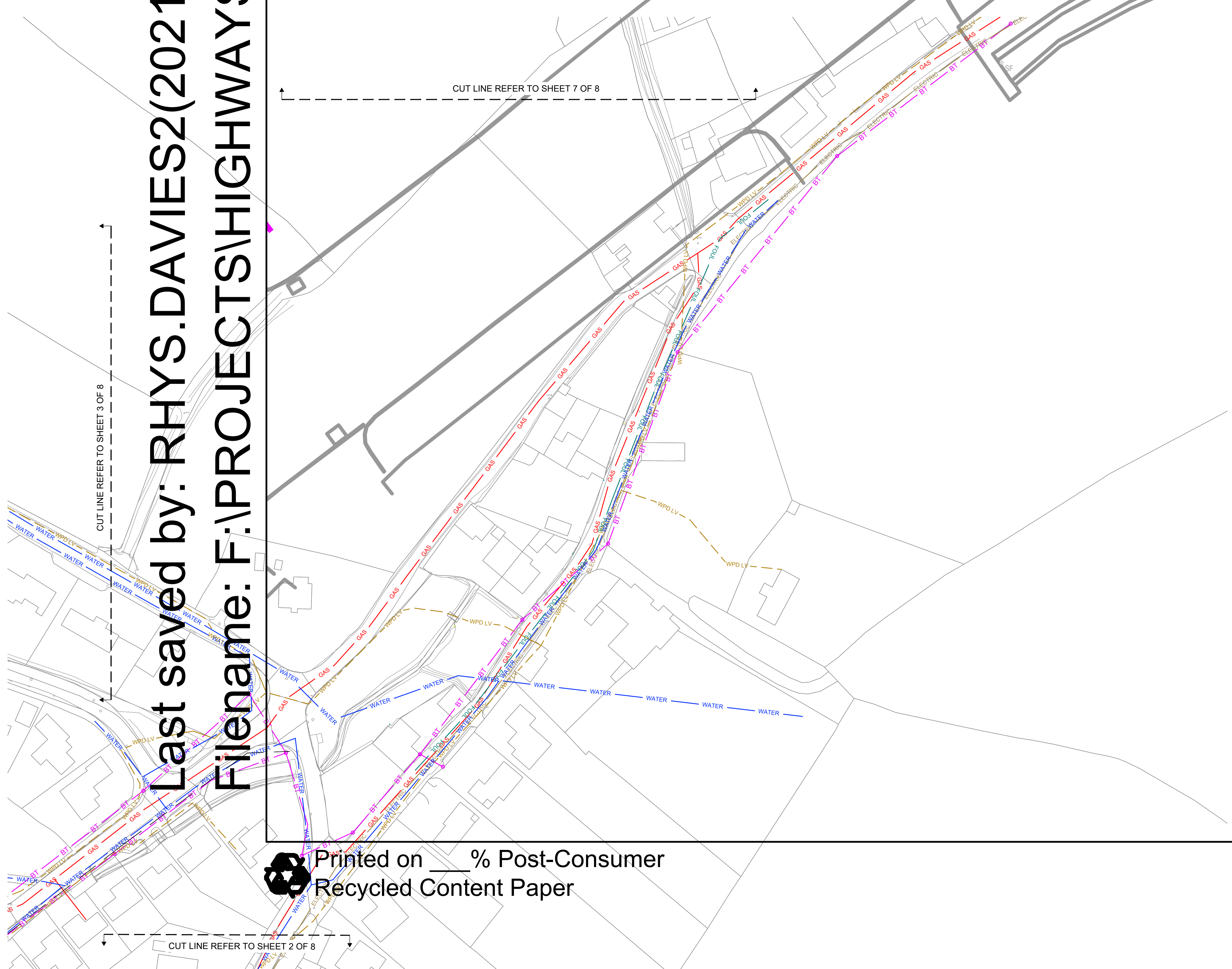
Scale

Original Size (A1) 1:500 @ A1 1:1000 @ A3

Printed on ___% Post-Consumer
Recycled Content Paper



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Filename: F:\PROJECTS\HIGHWAYS



STATUS
DETAILED DESIGN

Printed on % Post-Consumer
Recycled Content Paper

PROJECT NUMBER
60160078

Last saved by: DAVIDW.COOK(2021)
Filename: F:\PROJECTS\HIGHWAYS

Level Datum =40.000

Table with columns: CHAINAGE, E.G.L, PROPOSED. Contains elevation data for the 40.000 datum level.

Level Datum =48.000

Table with columns: CHAINAGE, E.G.L, PROPOSED. Contains elevation data for the 48.000 datum level.

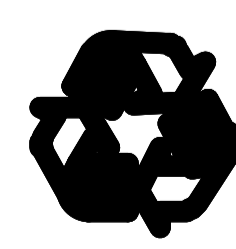
Printed on 100% Post Consumer Recycled Content Paper

Table with columns: CHAINAGE, PROPOSED. Contains elevation data for the 40.000 datum level.



Last saved by: DAVIDW.COOK(2021)
Filename: F:\PROJECTS\HIGHWAYS

Table with columns: CHAINAGE, LEVEL DIFFERENCE, E.G.L., PROPOSED. Includes a 'CULVERT CROSSING' label at chainage 570.000.



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Level Datum =41.00

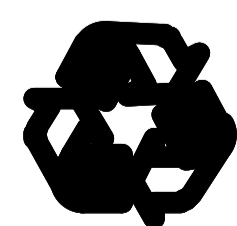
CHAINAGE	E.G.L	GRADIENT	PROPOSED
0.000	51.516	0.500	51.46
10.000	51.988	0.500	51.918
20.000	52.136	0.500	51.568
30.000	53.329	0.500	51.818
40.000	52.856	0.500	51.998
50.000	52.872	1.964	51.804
60.000	53.443	0.000	52.304
70.000	54.153	5.000	52.864
80.000	54.725	5.000	53.364
90.000	55.206	5.000	53.864
100.000	55.761	5.000	54.364
110.000	56.288	5.000	54.864
120.000	56.778	5.000	55.364
130.000	57.326	5.000	55.864
140.000	57.945	5.000	56.364
150.000	58.252	5.000	56.864
160.000	58.548	4.947	57.359
170.000	58.780	4.174	57.776
180.000	59.129	3.174	58.094
190.000	59.355	2.174	58.311
200.000	59.539	1.174	58.429
210.000	59.651	0.515	58.480
220.000	59.699	0.500	58.530
230.000	59.740	0.500	58.580
240.000	59.782	0.500	58.630
250.000	59.845	0.500	58.680
260.000	59.906	0.500	58.730
270.000	60.015	0.500	58.780
280.000	60.085	0.500	58.830
290.000	60.187	0.500	58.880
300.000	60.311	0.500	58.930
310.000	60.370	0.500	58.980
320.000	60.422	0.500	59.030
330.000	60.548	0.500	59.080
340.000	60.683	0.500	59.130
350.000	60.797	0.500	59.180
360.000	60.953	0.500	59.230
370.000	61.066	0.500	59.280
380.000	61.107	0.500	59.330
390.000	61.131	0.500	59.380
400.000	61.160	0.500	59.430
410.000	61.134	0.500	59.480
420.000	61.116	0.500	59.530
430.000	61.072	0.500	59.580
440.000	61.025	0.500	59.630
450.000	60.963	0.500	59.680
460.000	60.897	0.500	59.730
470.000	60.883	0.500	59.780
480.000	60.813	0.500	59.830
490.000	60.896	0.500	59.880
500.000	60.957	0.500	59.930
510.000	61.096	0.500	59.980
520.000	61.277	0.500	60.030
530.000	61.391	0.500	60.080
540.000	61.583	0.500	60.130
550.000	61.586	0.500	60.180
560.000	61.771	0.500	60.230
570.000	61.885	0.500	60.280
580.000	61.905	0.500	60.330
590.000	61.967	0.500	60.380

Level Datum =41.000

CHAINAGE	E.G.L	GRADIENT
60.430	61.988	0.500
60.480	62.129	0.500
60.530	62.310	0.500
60.580	62.463	0.500
60.630	62.574	0.500
60.680	62.672	0.500
60.730	62.781	0.500
60.780	62.853	0.500
60.830	62.906	0.500
60.880	62.967	0.500
60.930	63.024	0.500
60.980	63.001	0.500
61.030	63.032	0.500
61.080	62.955	0.500
61.130	62.932	0.500
61.180	62.788	0.500
61.230	62.535	0.500
61.280	62.398	0.500
61.330	62.389	0.500
61.471	62.649	1.408
61.671	62.940	2.000
61.871	63.086	2.000
62.071	63.204	2.000
62.271	63.346	2.000
62.471	63.553	2.000
63.368	63.756	8.967
63.848	63.848	10.000

Level Datum =47.000

CHAINAGE	E.G.L	GRADIENT	PROPOSED
70.000	58.02	2.808	58.008
80.000	59.28	2.181	58.313
90.000	59.88	1.181	58.432
100.000	59.22	0.496	58.481
110.000	59.35	0.475	58.529
120.000	59.16	0.475	58.576
130.000	59.21	0.475	58.624
140.000	59.37	0.475	58.671
150.000	59.50	0.475	58.719
160.000	59.50	0.475	58.766
170.000	59.50	0.475	58.814
180.000	59.50	0.475	58.861
190.000	59.50	0.475	58.909
200.000	59.50	0.475	58.957
210.000	59.50	0.475	59.004
220.000	59.50	0.475	59.052
230.000	59.50	0.475	59.099
240.000	59.50	0.475	59.147
250.000	59.50	0.475	59.194
260.000	59.50	0.475	59.242
270.000	59.50	0.475	59.289
280.000	59.50	0.475	59.337
290.000	59.50	0.475	59.384
300.000	59.50	0.475	59.432
310.000	59.50	0.475	59.479
320.000	59.50	0.475	59.527
330.000	59.50	0.475	59.527
338.171	61.08	0.475	59.527

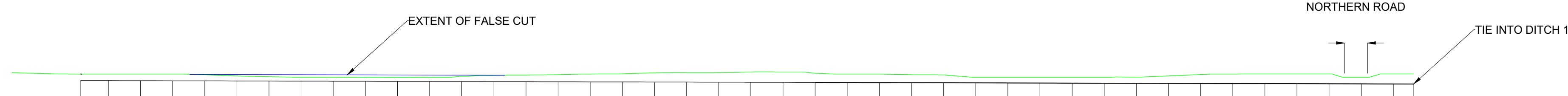


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 Filename: F:\PROJECTS\HIGHWAYS

Level Datum = 50.000

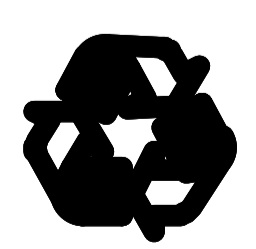
CHAINAGE	E.G.L	GRADIENT	PROPOSED
0.000	62.212		-999.000
10.000	62.065		-999.000
20.000	62.000	-0.131	-999.000
30.000	61.999	-0.131	60.989
40.000	61.997	-0.131	60.976
50.000	61.992	-0.131	60.963
60.000	61.977	-0.131	60.949
70.000	61.706	-0.131	60.936
80.000	61.597	-0.131	60.923
90.000	61.500	-0.131	60.910
100.000	61.500	-0.131	60.897
110.000	61.498	-0.131	60.884
120.000	61.499	-0.131	60.871
130.000	61.498	-0.131	60.858
140.000	61.663	-0.131	60.845
150.000	61.782	-0.131	60.832
160.000	61.850	-0.131	60.819
170.000	61.912	-0.131	60.806
180.000	61.997	-0.131	60.793
190.000	62.022	-0.131	60.780
200.000	62.187	-0.131	60.767
210.000	62.232	-0.131	60.754
220.000	62.238	-0.131	60.740
230.000	62.335	-0.131	60.727
240.000	62.328	-0.131	60.714
250.000	62.123	-0.131	60.701
260.000	61.996	-0.131	60.688
270.000	61.985	-0.131	60.675
280.000	61.901	-0.131	60.662
290.000	61.857	-0.131	60.649
300.000	61.502	-0.131	60.636
310.000	61.500	-0.131	60.623
320.000	61.500	-0.131	60.610
330.000	61.500	-0.131	60.597
340.000	61.500	-0.131	60.584
350.000	61.521	-0.131	60.571
360.000	61.714	-0.131	60.558
370.000	61.933	-0.131	60.545
380.000	61.999	-0.131	60.531
390.000	62.000	-0.131	60.518
400.000	62.000	-0.131	60.505
410.000	62.000	-0.131	60.492
420.000	61.499	-0.131	60.479
430.000	62.000	-0.131	60.466
436.356	62.016	-0.131	60.458



CHAINAGE	E.G.L	GRADIENT	PROPOSED
0.000	49.395		49.654
10.000	49.753	0.300	49.684
20.000	49.689	0.300	49.714
30.000	49.715	0.300	49.744
40.000	50.173	0.300	49.774
50.000	50.979	0.300	49.804
60.000	51.345	0.300	49.834
70.000	51.620	0.341	49.868
80.000	51.848	2.354	50.104
90.000	52.063	2.354	50.339
100.000	52.250	2.354	50.575
110.000	52.500	4.776	51.052
120.000	52.679	5.000	51.552
130.000	52.566	4.539	52.006
134.730	52.102	2.000	52.101

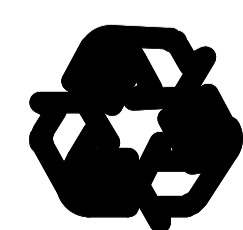
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CHAINAGE	E.G.L	PROPOSED
0.000	60.698	61.698
10.000	60.633	61.633
20.000	60.626	61.626
30.000	60.593	61.593
40.000	60.548	61.548
50.000	60.522	61.522
60.000	60.573	61.573
70.000	60.519	61.519
80.000	60.535	61.535
90.000	60.655	61.655
100.000	60.784	61.784
119.994	60.925	61.925



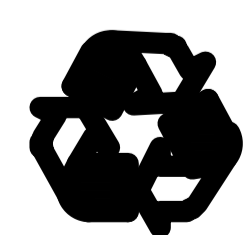
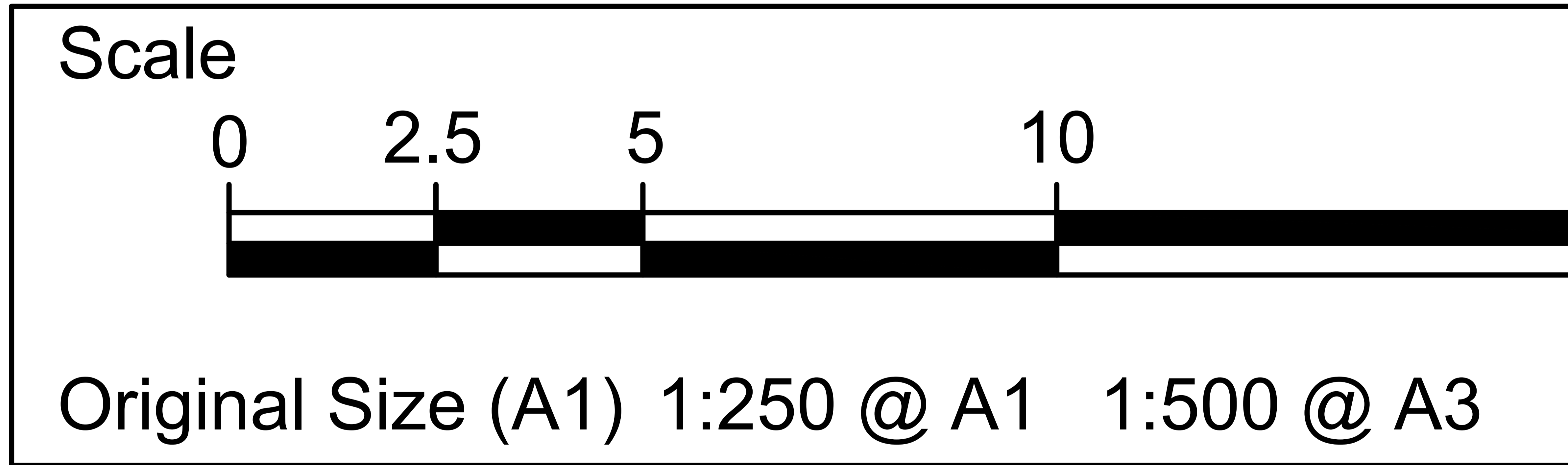
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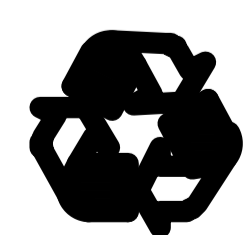
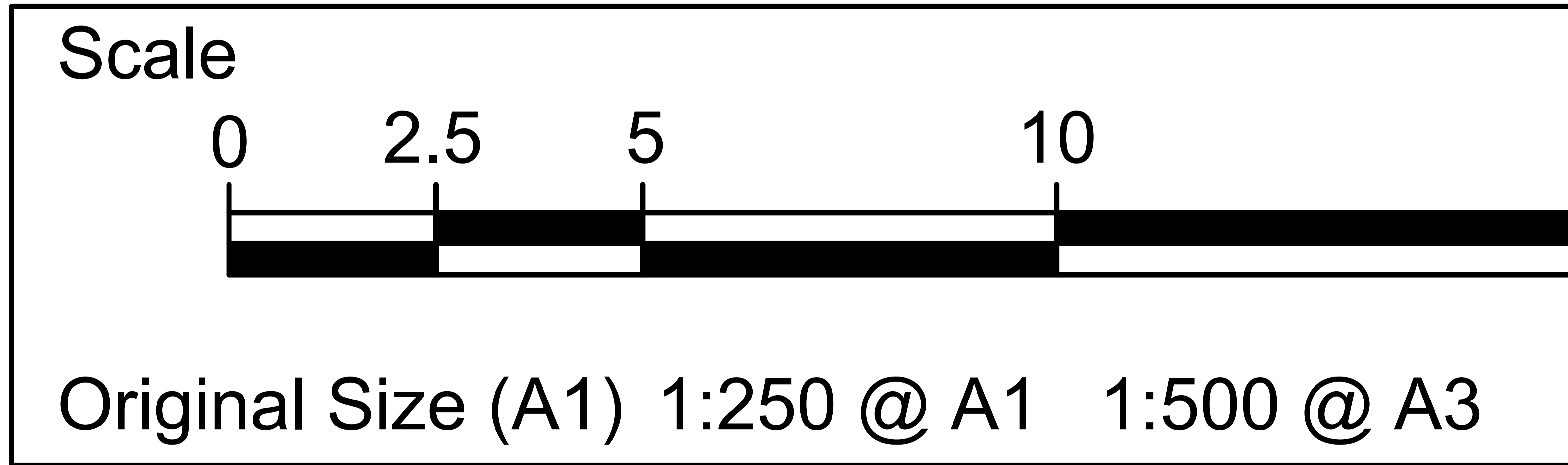
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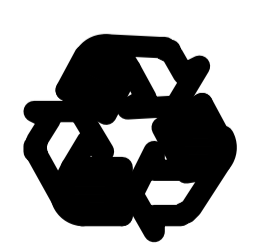
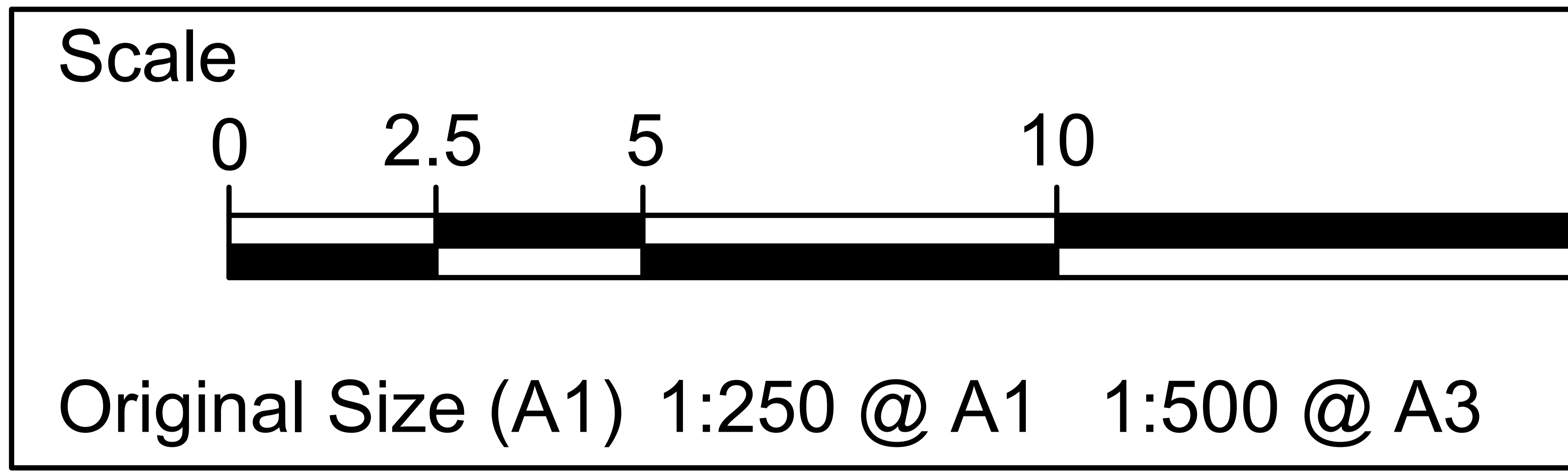
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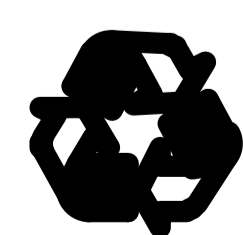
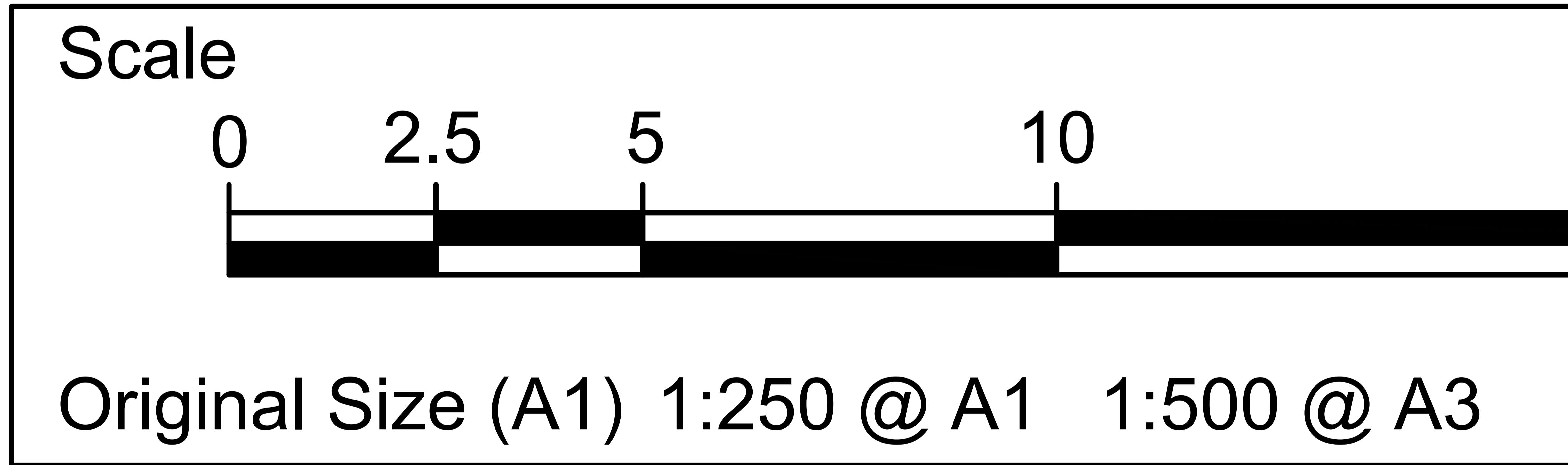
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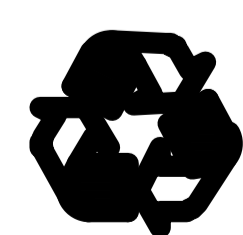
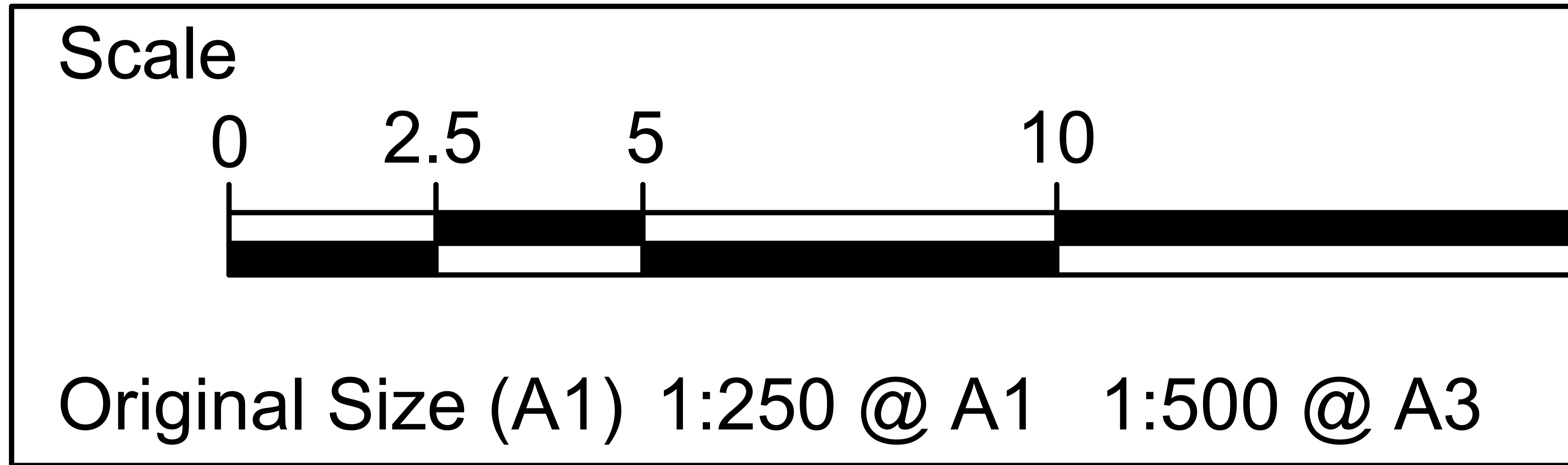
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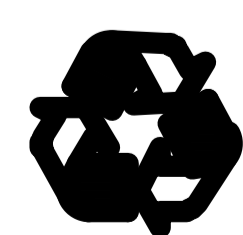
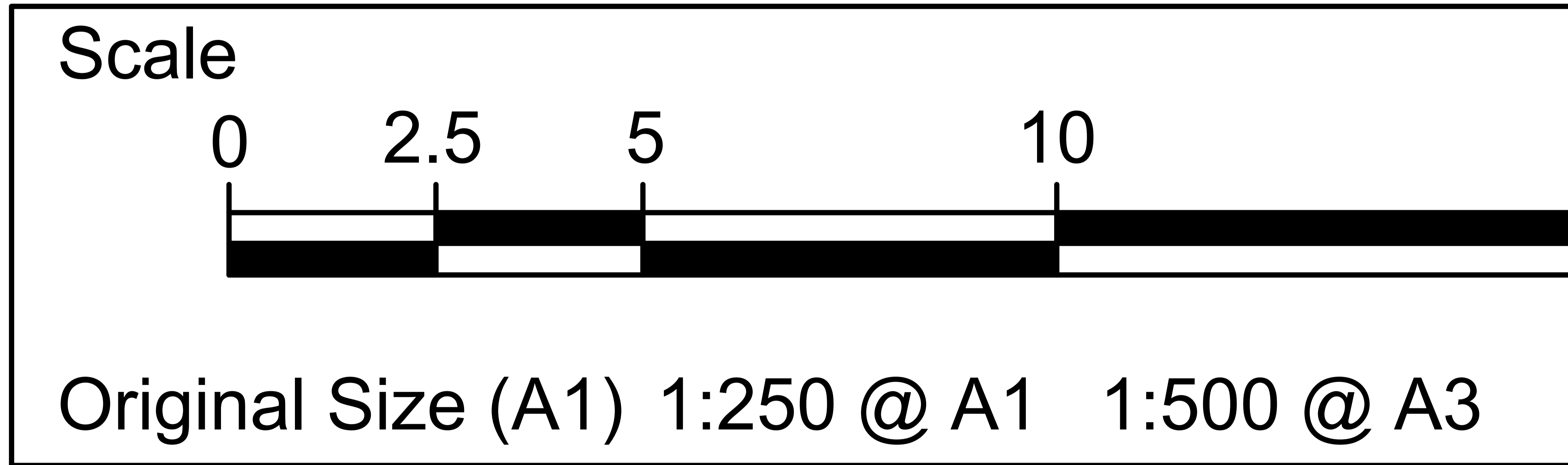
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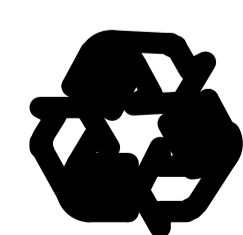
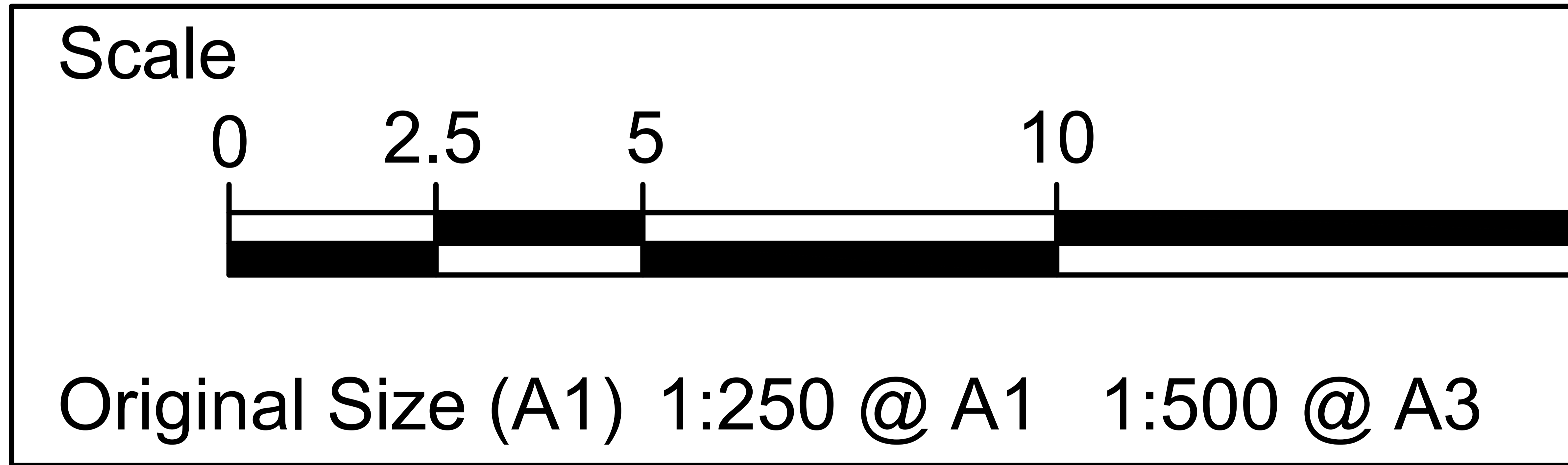
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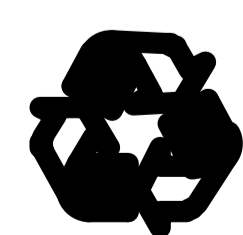
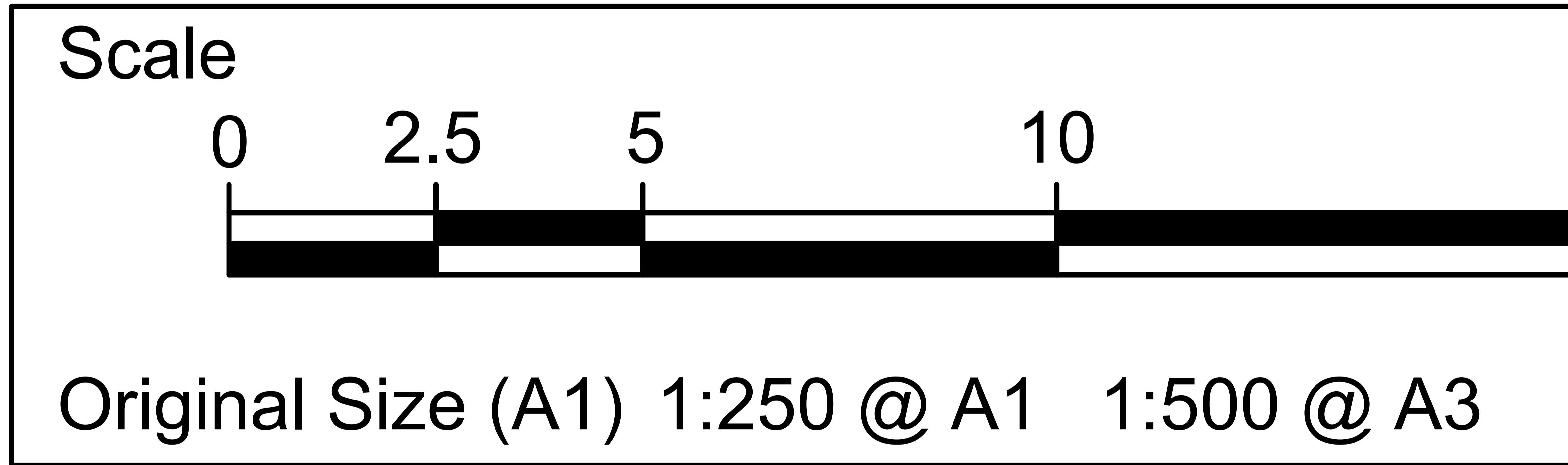
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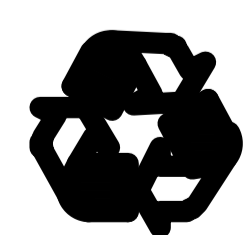
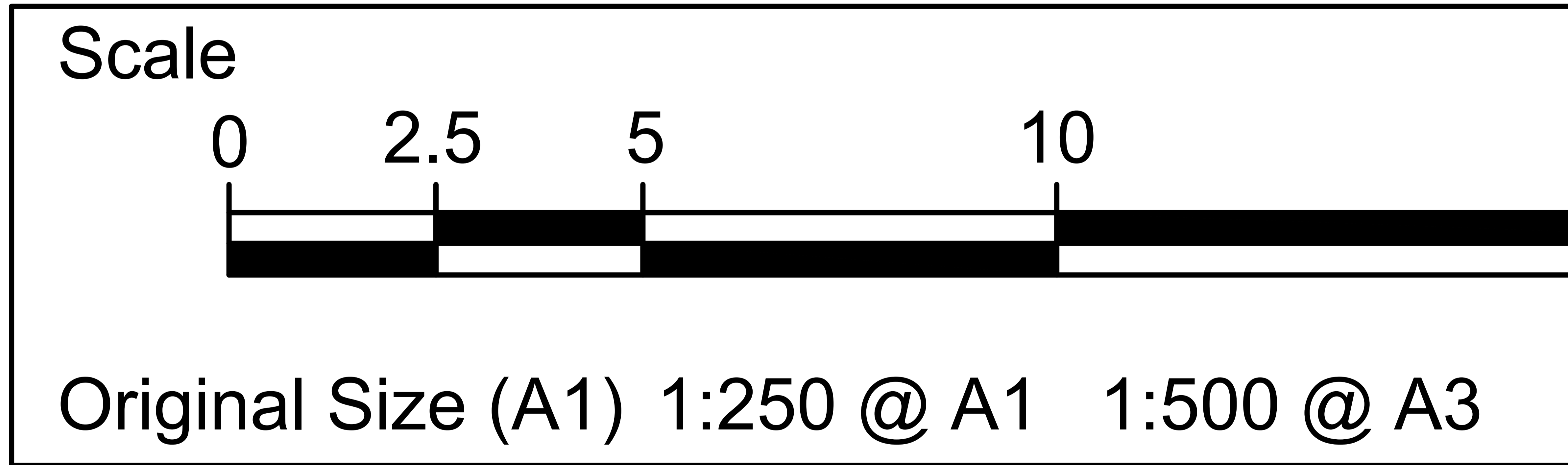
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E.G.L

AECOM

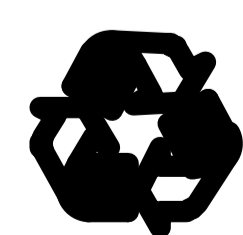
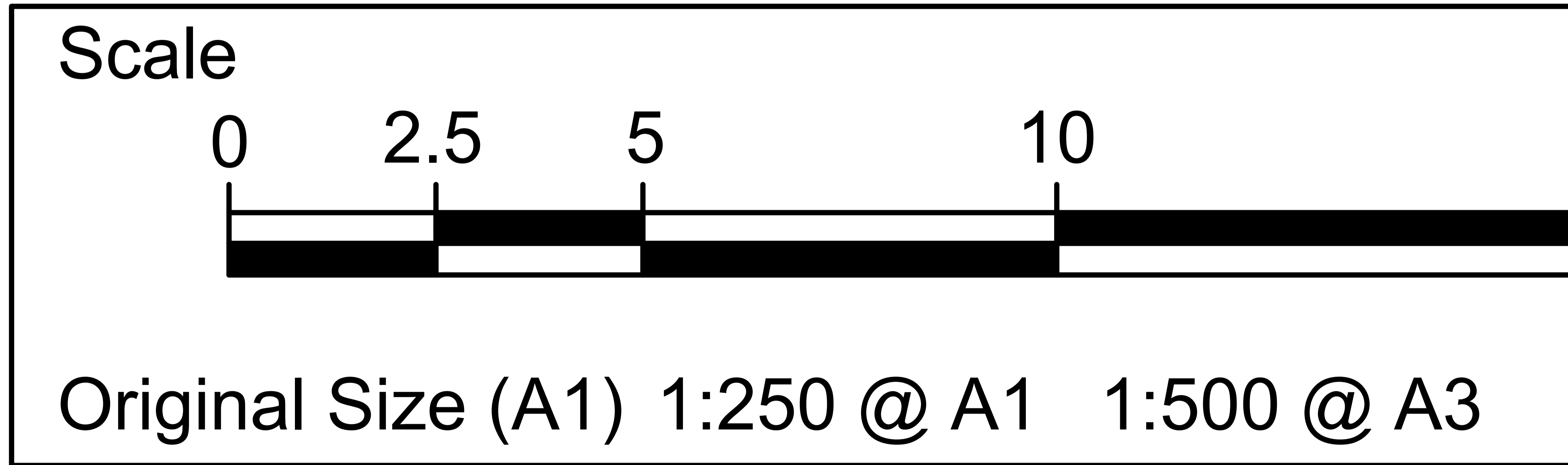
PROJECT

FLOOD ALLEVIATION
SCHEME

CLIENT

VALE OF GLAMORGAN COUNCIL

AECOM
1 CALLAGHAN SQUARE
CARDIFF
CF10 5BT
TEL: (029) 20674600
FAX: (029) 20674699

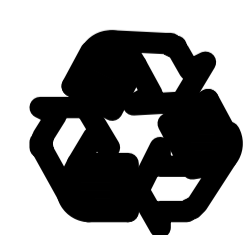
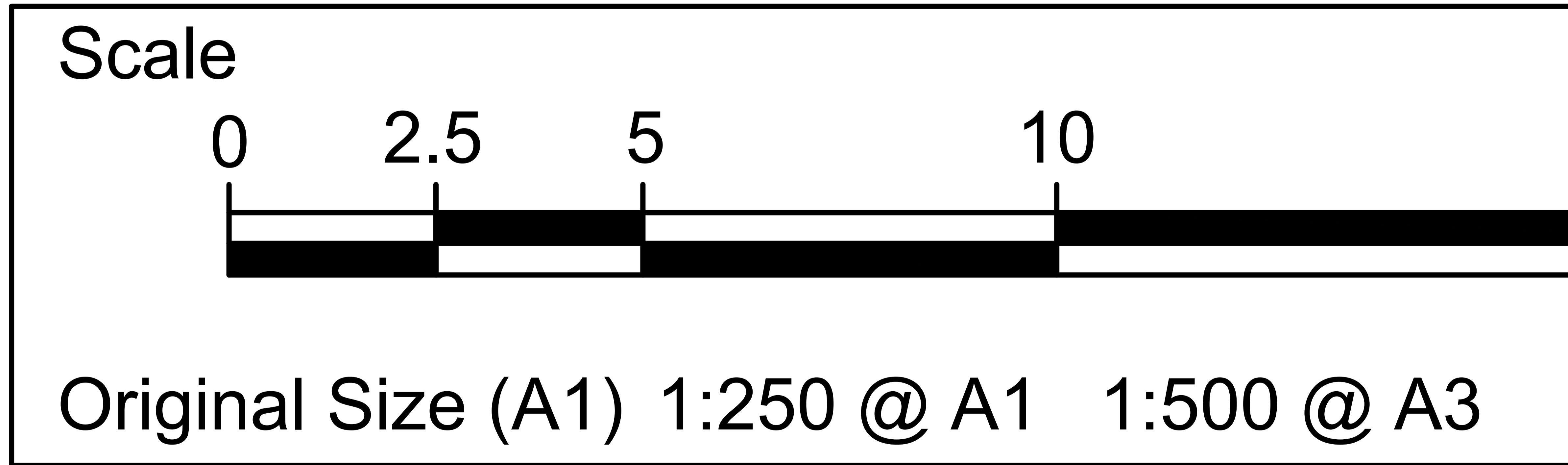


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WIDTH

AECOM

PROJECT

FLOOD ALLEVIATION
SCHEME

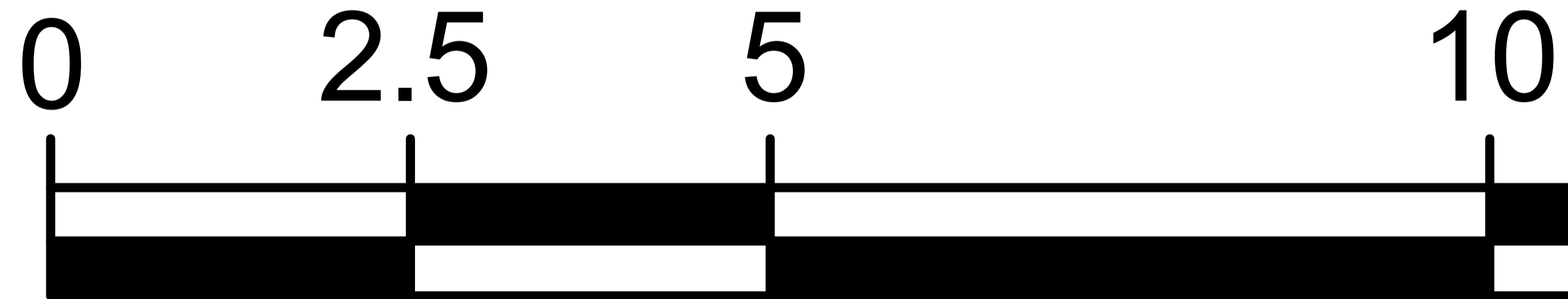
CLIENT

VALE OF GLAMORGAN COUNCIL

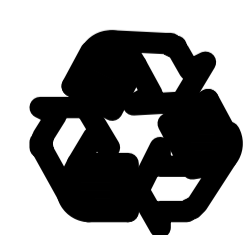
AECOM
1 CALLAGHAN SQUARE
CARDIFF
CF10 5BT
TEL: (029) 20674600
FAX: (029) 20674699

E.G.L

Scale



Original Size (A1) 1:250 @ A1 1:500 @ A3

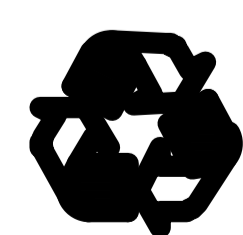
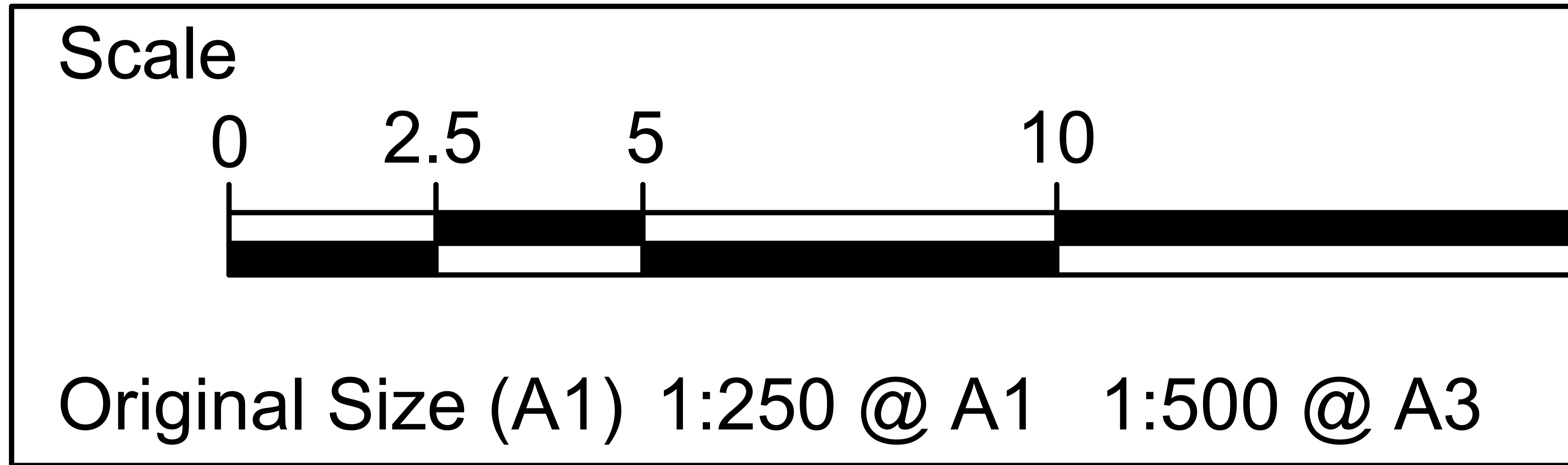


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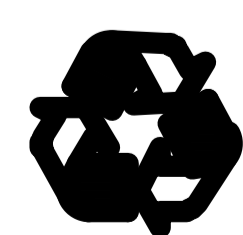
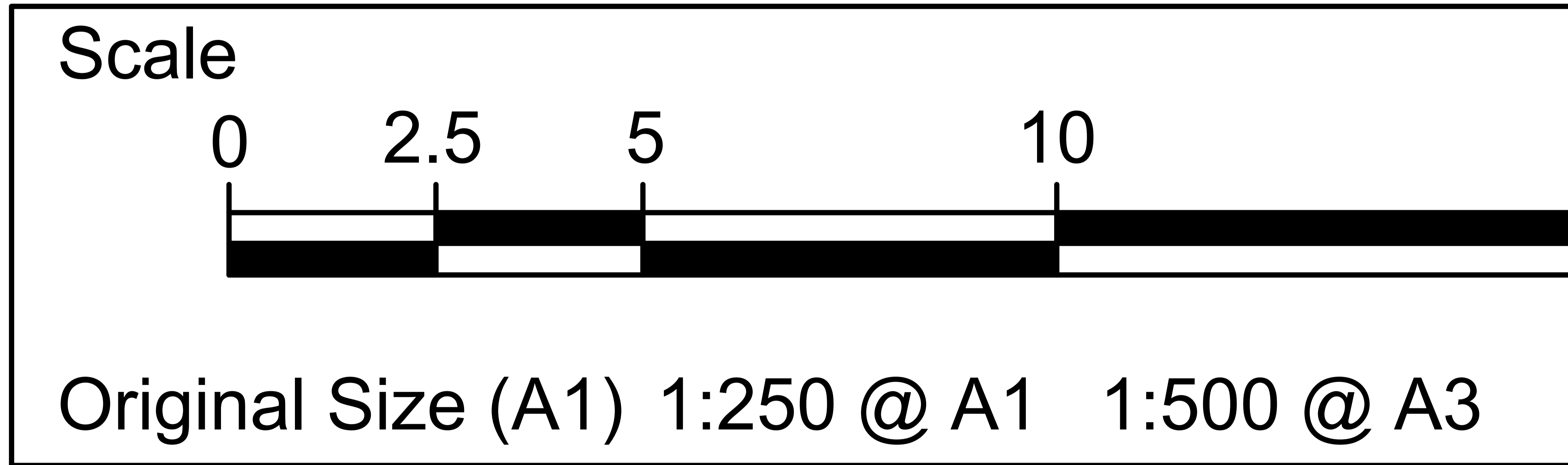
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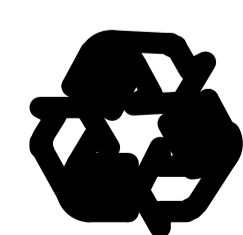
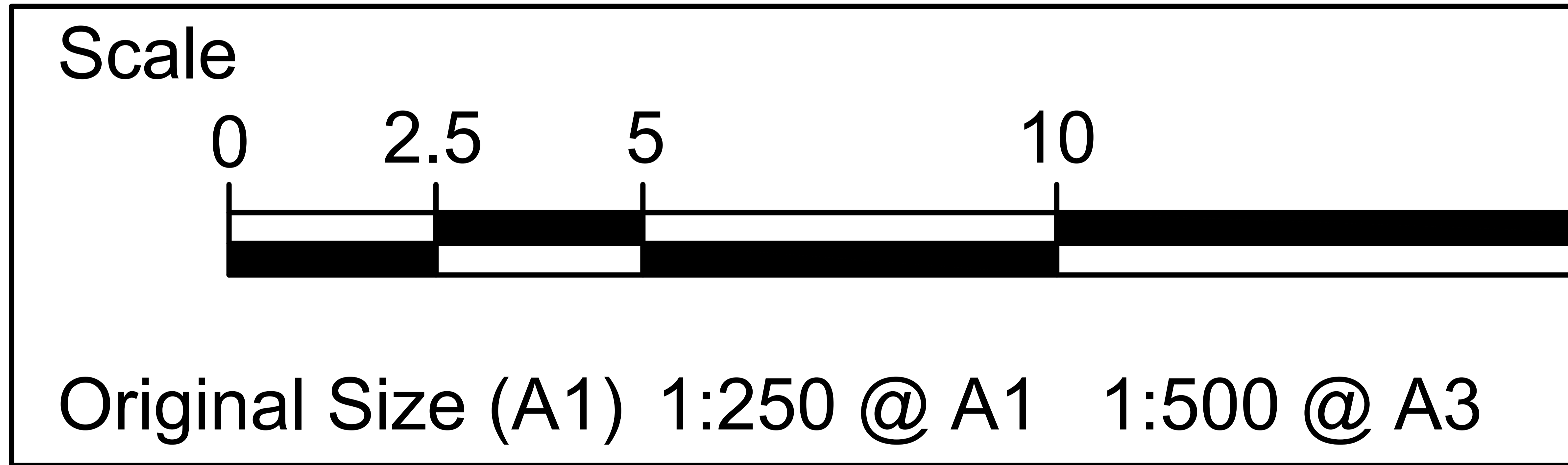
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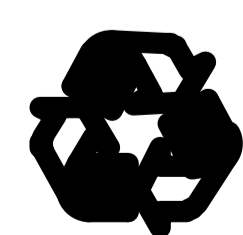
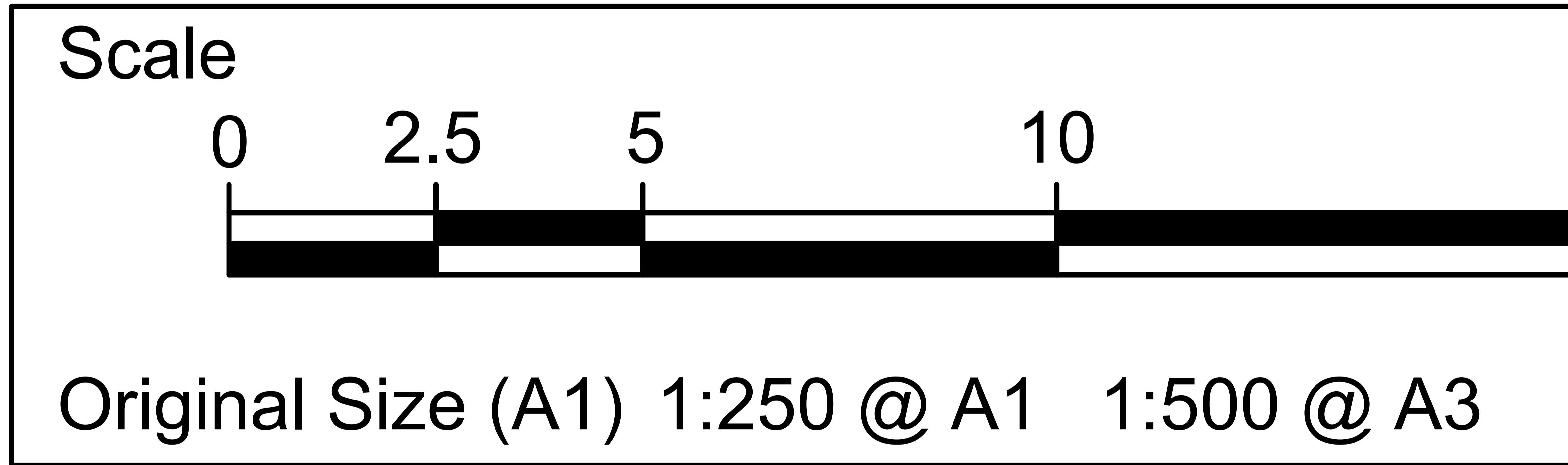
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