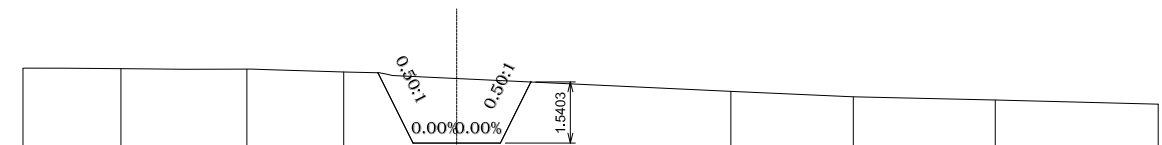



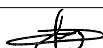



0+000.000

Cut volume 0.000 m<sup>3</sup>  
 Fill volume 0.000 m<sup>3</sup>  
 Cut Area =4.921 m<sup>2</sup>  
 Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-10.93	-8.46	-5.29	-2.85		6.91	10.00	13.58	17.68
Ground Elevation:	1516.51	1516.50	1516.48	1516.41		1515.92	1515.79	1515.71	1515.60
Finished Offset:				-1.99	-1.10	0.00	1.10	1.87	
Finished Elevation:				1516.39	1514.62	1514.62	1514.62	1516.16	

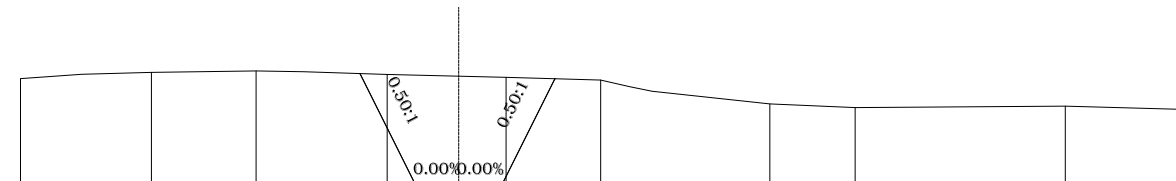
CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT 	CONTRACTOR 	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:001
									DATE:	January 2021

# 0+020.000

Cut volume 145.754 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =9.654 m<sup>2</sup>

Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-11.05	-7.75	-5.11	-1.80	1.20	3.58	7.84	9.99	15.29	18.23
Ground Elevation:	1517.20	1517.36	1517.40	1517.31	1517.23	1517.17	1516.57	1516.47	1516.51	1516.43
Finished Offset:				-2.49	-1.10	0.00	1.10	2.42		
Finished Elevation:				1517.33	1514.55	1514.55	1514.55	1517.20		

CLIENT: REPUBLIC OF RWANDA  
RUBAVU DISTRICT



CONSULTANT  
**Gauff**  
**JBG Ingenieure**

CONTRACTOR  
**FAIR CONSTRUCTION**  
JV: FAIR LTD AND CSC&EC

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RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER  
ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:002

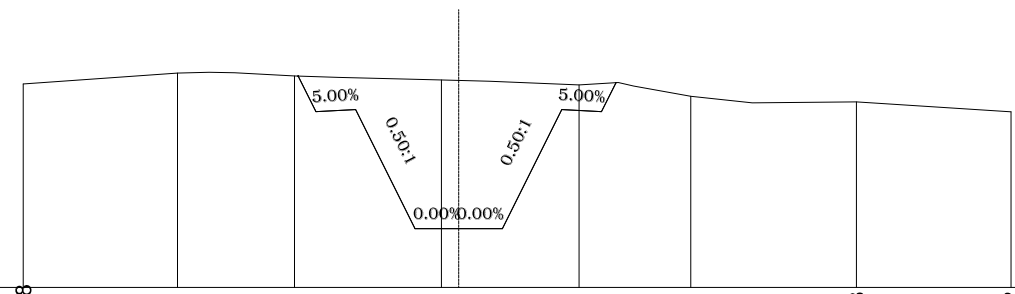
DATE:

January 2021

# 0+040.000

Cut volume 263.880 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =16.734 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-10.98	-7.09	-4.14	-0.43	3.03	5.85	10.03	13.92			
Ground Elevation:	1518.13	1518.40	1518.33	1518.23	1518.10	1517.82	1517.67	1517.42			
Finished Offset:			-4.05	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	3.96
Finished Elevation:			1518.33	1517.43	1517.48	1514.48	1514.48	1514.48	1517.48	1517.43	1518.16

CLIENT: REPUBLIC OF RWANDA  
RUBAVU DISTRICT



CONSULTANT  
**Gauff**  
**JBG Ingenieure**

CONTRACTOR  
**FAIR CONSTRUCTION**  
JV: FAIR LTD AND CSC&EC

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RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER  
ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:003

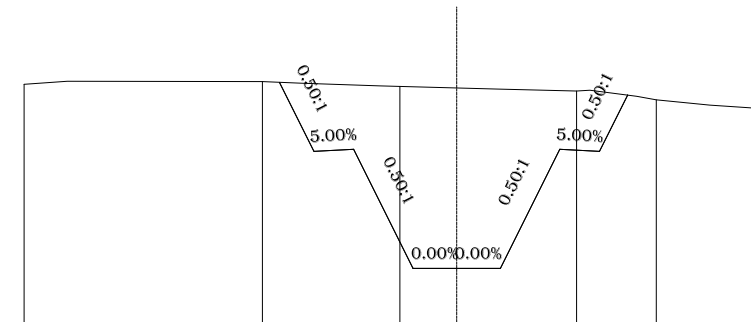
DATE:

January 2021



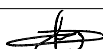

# 0+060.000

Cut volume 403.196 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =23.586 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



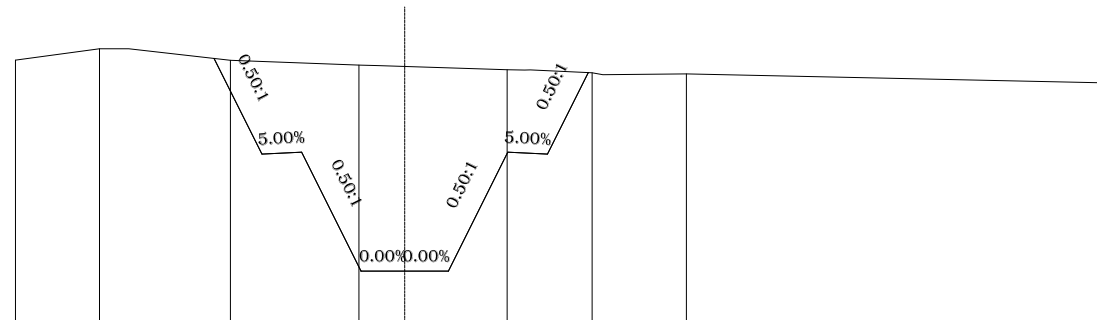
Ground Offset:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT <b>Gauff</b> JBG Ingenieure	CONTRACTOR  JV: FAIR LTD AND CSC&EC	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:004
									DATE:	January 2021

0+080.000

Cut volume 527.773 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =29.192 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-9.81	-7.69	-4.39	-1.15		2.58	4.73	7.10		17.47	
Ground Elevation:	1519.66	1519.95	1519.65	1519.54		1519.42	1519.34	1519.31		1519.09	
Finished Offset:			-4.81	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	4.63
Finished Elevation:			1519.70	1517.29	1517.34	1514.34	1514.34	1514.34	1517.34	1517.29	1519.35

CLIENT: REPUBLIC OF RWANDA  
RUBAVU DISTRICT



CONSULTANT  
**Gauff**  
**JBG Ingenieure**

CONTRACTOR  
**FAIR CONSTRUCTION**  
JV: FAIR LTD AND CSC&EC

DRAWN BY

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RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER  
ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:005

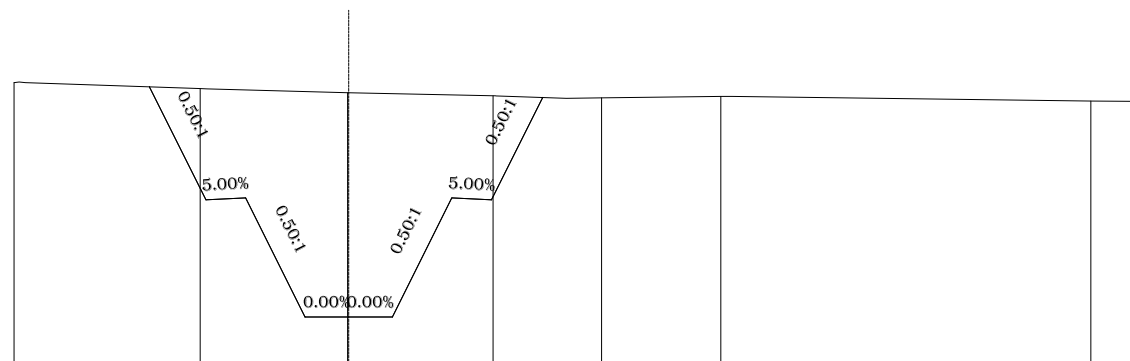
DATE:

January 2021




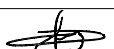

# 0+100.000

Cut volume 631.525 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =33.961 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



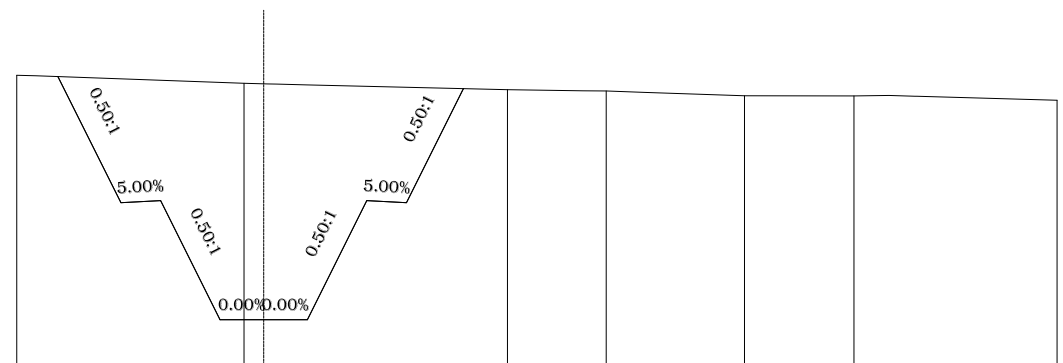
Ground Offset:	-8.44	-3.75	-0.03	3.64	6.37	9.38	18.71		
Ground Elevation:	1520.18	1520.03	1519.92	1519.85	1519.79	1519.83	1519.71		
Finished Offset:	-5.02	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	4.89
Finished Elevation:	1520.07	1517.22	1517.27	1514.27	1514.27	1517.22	1519.80		

CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT 	CONTRACTOR 	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:006
									DATE:	January 2021

# 0+120.000

Cut volume 709.485 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =36.988 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



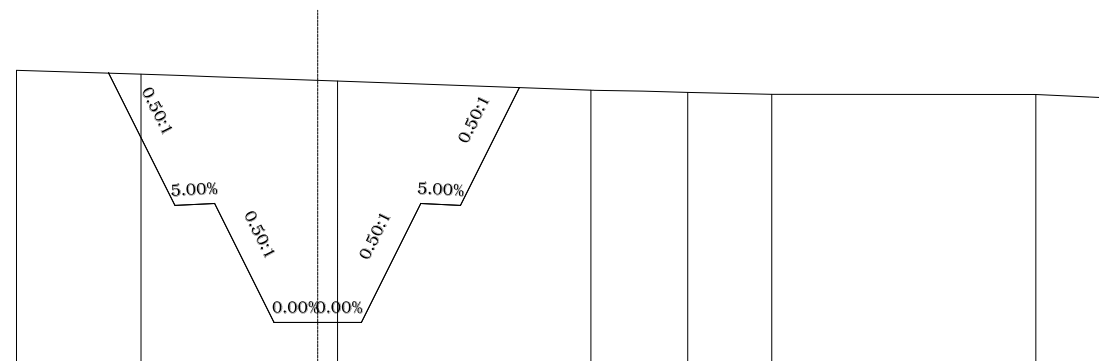
Ground Offset:	-6.23	-0.50	6.14	8.63	12.12	14.88	20.00
Ground Elevation:	1520.36	1520.16	1520.00	1519.97	1519.85	1519.84	1519.73
Finished Offset:	-5.19	-3.60	-2.60	-1.10	0.00	1.10	2.60
Finished Elevation:	1520.33	1517.15	1517.20	1514.20	1514.20	1517.15	1520.03

CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT 	CONTRACTOR 	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:007
									DATE:	January 2021

# 0+140.000

Cut volume 754.477 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =38.460 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-7.59	-4.46	0.50	6.89	9.33	11.44	18.10		
Ground Elevation:	1520.49	1520.39	1520.22	1519.99	1519.93	1519.88	1519.88		
Finished Offset:	-5.27	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	5.08
Finished Elevation:	1520.42	1517.08	1517.13	1514.13	1514.13	1514.13	1517.13	1517.08	1520.05

CLIENT: REPUBLIC OF RWANDA  
RUBAVU DISTRICT



CONSULTANT  
**Gauff**  
**JBG Ingenieure**

CONTRACTOR  
**FAIR CONSTRUCTION**  
JV: FAIR LTD AND CSC&EC

DRAWN BY

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APPROVED BY

RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER  
ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:008

DATE:

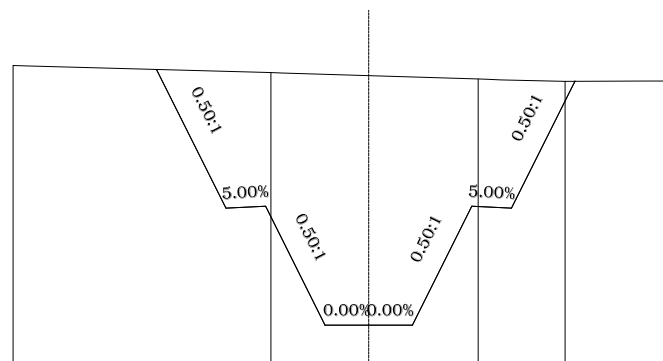
January 2021



# 0+160.000

Cut volume 788.950 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =40.435 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-8.96	-2.46	2.76	4.95	7.53				
Ground Elevation:	1520.61	1520.43	1520.27	1520.21	1520.22				
Finished Offset:	-5.35	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	5.20
Finished Elevation:	1520.51	1517.01	1517.06	1514.06	1514.06	1514.06	1517.06	1517.01	1520.21

CLIENT: REPUBLIC OF RWANDA  
RUBAVU DISTRICT



CONSULTANT  
**Gauff**  
**JBG Ingenieure**

CONTRACTOR  
**FAIR CONSTRUCTION**  
JV: FAIR LTD AND CSC&EC

DRAWN BY

CHECKED BY

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RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER  
ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:009

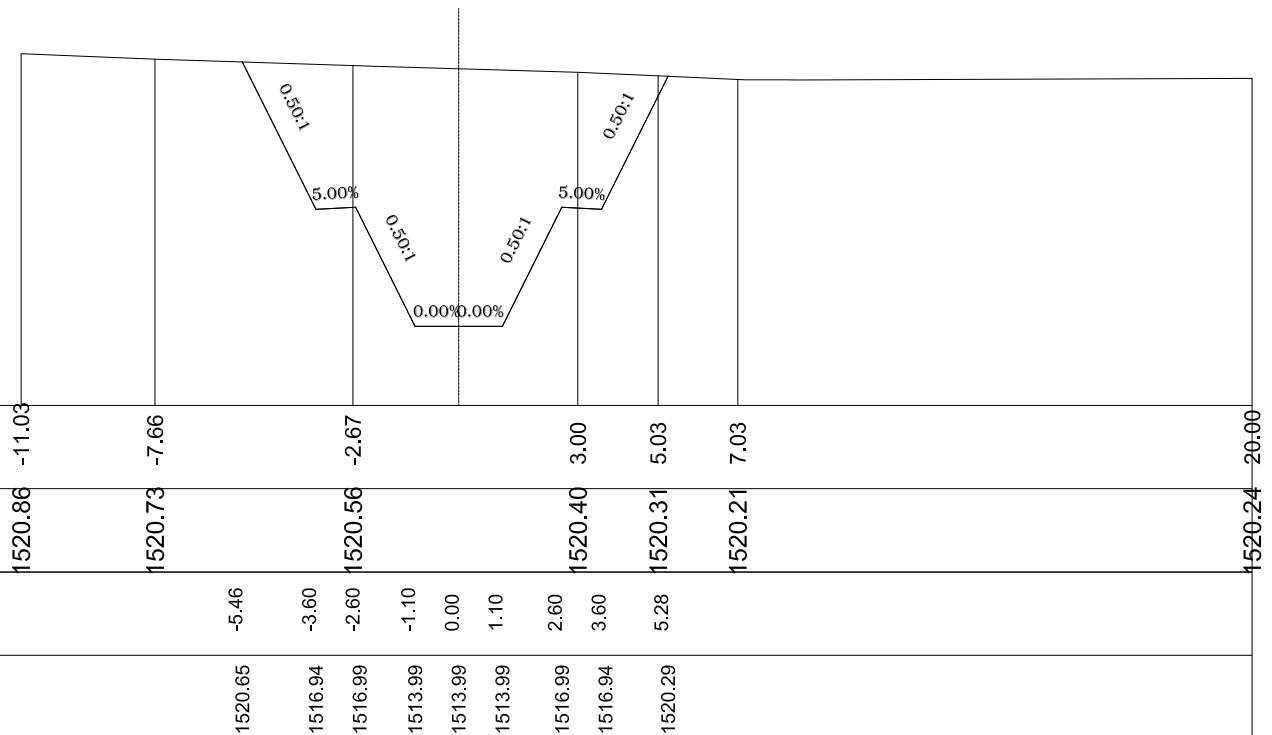
DATE:




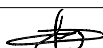

January 2021

# 0+180.000

Cut volume 829.798 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =42.545 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>

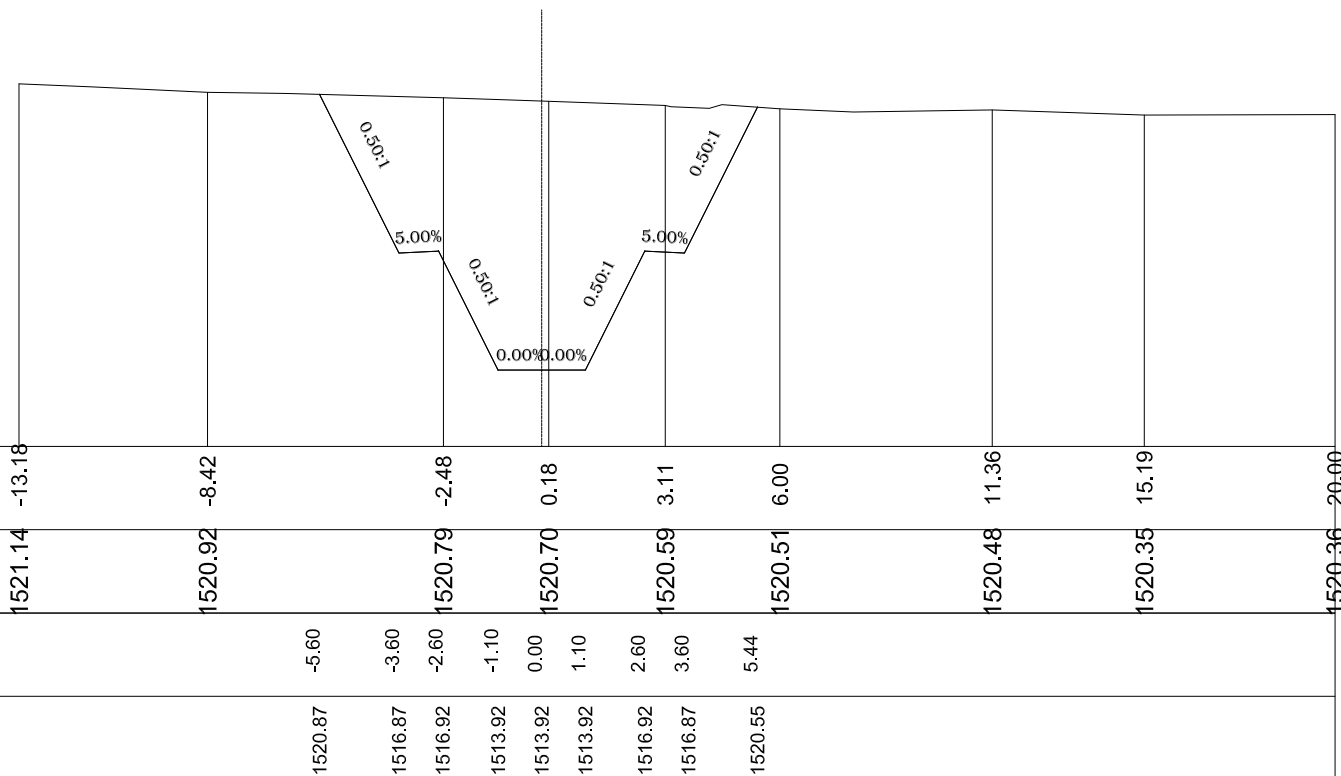





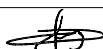

CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT  Gauff JBG Ingenieure	CONTRACTOR  JY FAIR LTD AND CSC&EC	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:010
									DATE:	January 2021

0+200.000

Cut volume 882.368 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =45.692 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>

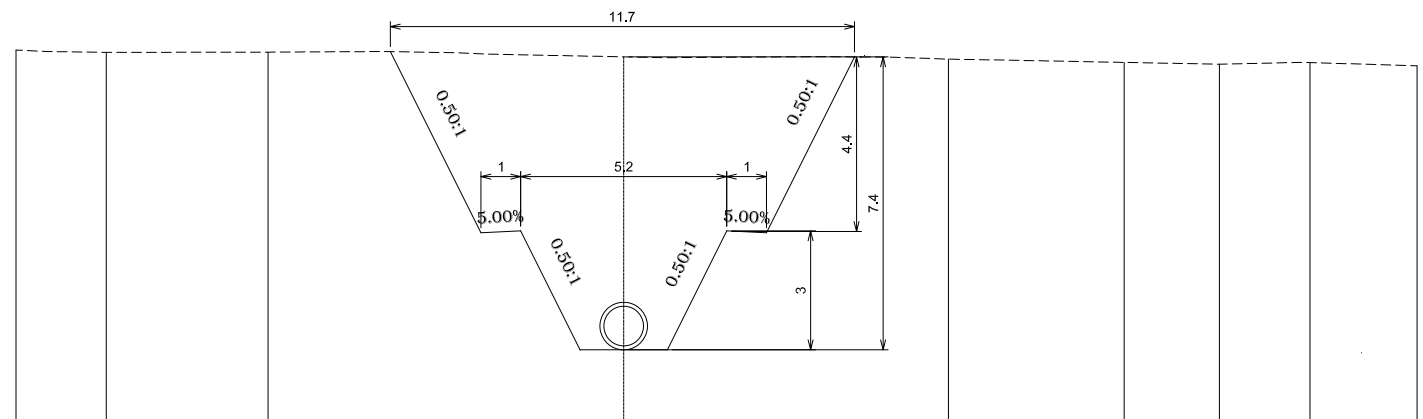


CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT  Gauff JBG Ingenieure	CONTRACTOR  Jv Fair Ltd and CSC&EC	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:011
									DATE:	January 2021

# 0+220.000

Cut volume 2051.735 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =159.482 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>






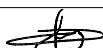

Ground Offset:	-15.32	-13.04	-8.96	-6.57	-4.17	1.01	4.91	8.18	12.62	15.02	17.30	20.00	
Ground Elevation:	1521.41	1521.35	1521.36	1521.37	1521.34	1521.22	1521.24	1521.18	1521.10	1521.05	1521.09	1521.01	
Finished Offset:				-5.88	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	5.14	5.82
Finished Elevation:				1521.37	1516.80	1516.85	1513.85	1513.85	1513.85	1516.85	1516.80	1519.16	1521.24

0+240.000

Cut volume 2109.525 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =51.471 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>

Ground Offset:	-20.00	-15.28	-12.42	-6.32	-3.70	-0.49	2.70	5.79	11.00	16.19	19.96	
Ground Elevation:	1520.87	1520.98	1521.02	1521.28	1521.06	1521.09	1521.01	1521.13	1520.80	1520.63	1520.35	
Finished Offset:				-5.86	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	5.80
Finished Elevation:				1521.24	1516.73	1516.78	1513.78	1513.78	1513.78	1516.78	1516.73	1521.13

CLIENT:	REPUBLIC OF RWANDA RUBAVU DISTRICT		CONSULTANT  Gauff JBG Ingenieure	CONTRACTOR  FAIR CONSTRUCTION JV: FAIR LTD AND CSC&EC	DRAWN BY	CHECKED BY	APPROVED BY	RUB-01 PETITE BARRIERE-KARUNDO-BUHURU CENTER ASPHALT ROAD (3.65) CROSS SECTIONS	DRAWING No.	CS:013
									DATE:	January 2021

# 0+260.000

Cut volume 1475.217 m<sup>3</sup>

Fill volume 0.000 m<sup>3</sup>

Cut Area =96.051 m<sup>2</sup>

Fill Area =0.000 m<sup>2</sup>

Ground Offset:	-20.00	-17.78	-15.32	-12.18	-9.31	-7.06	-4.77	-1.40	1.15	4.07	6.87	11.32		
Ground Elevation:	1521.13	1521.08	1521.07	1521.06	1520.96	1520.91	1520.89	1520.69	1520.64	1520.59	1520.46	1520.35		
Finished Offset:	-20.00	-19.76	-15.16	-14.03	-12.51	-5.70	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	5.52
Finished Elevation:	1516.78	1516.78	1516.74	1516.74	1516.72	1520.87	1516.66	1516.71	1513.71	1513.71	1513.71	1516.71	1516.66	1520.51

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:014

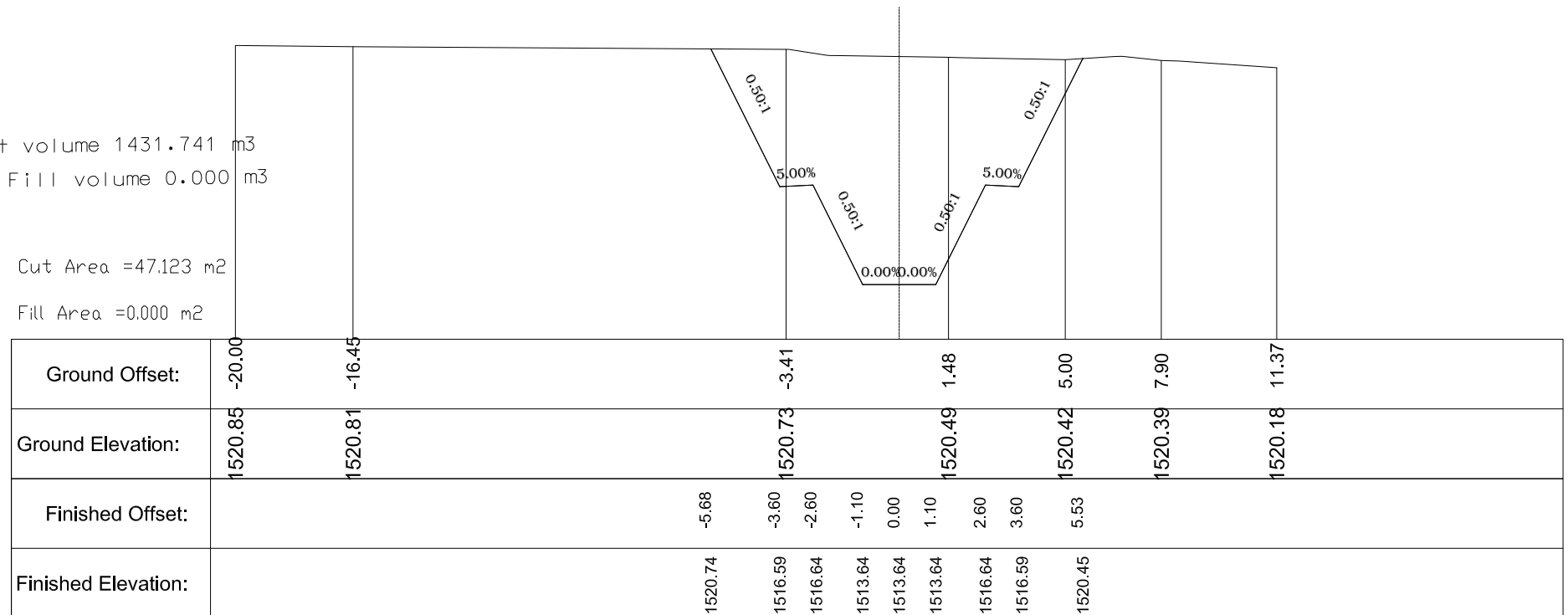
DATE:

January 2021

0+280.000

Cut volume 1431.741 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =47.123 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:015

DATE:

January 2021

# 0+300.000

Cut volume 914.486 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =44.325 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>

Ground Offset:	-20.00	-17.42				-5.64	-2.78	0.18		4.41	6.62	10.10		
Ground Elevation:	1520.49	1520.45				1520.33	1520.27	1520.23		1520.13	1520.12	1520.02		
Finished Offset:						-5.50	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	5.41
Finished Elevation:						1520.32	1516.52	1516.57	1513.57	1513.57	1513.57	1516.57	1516.52	1520.15

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:016

DATE:

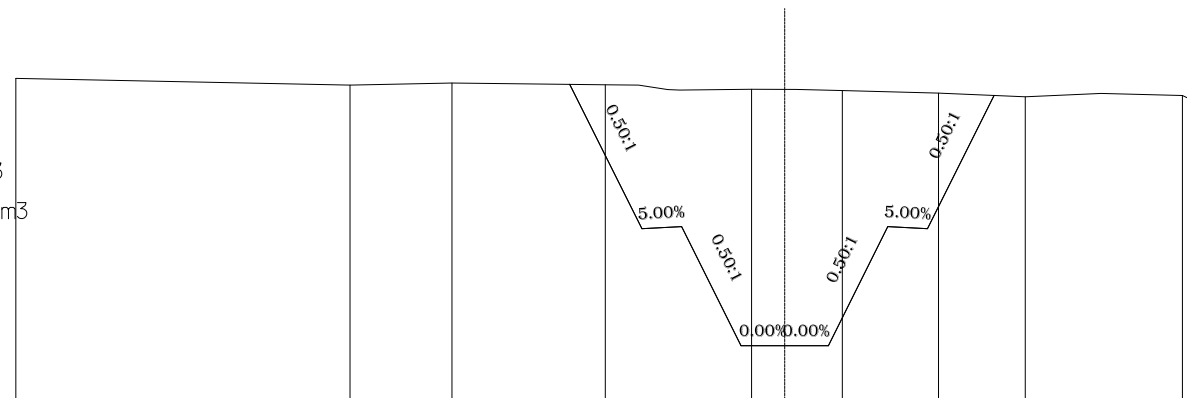
January 2021



# 0+320.000

Cut volume 864.280 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =42.103 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-19.38	-10.96	-8.39	-4.52	-0.83	1.45	3.88	6.06	10.02			
Ground Elevation:	1520.24	1520.07	1520.12	1520.08	1519.97	1519.93	1519.87	1519.78	1519.81			
Finished Offset:				-5.42	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	5.28
Finished Elevation:				1520.09	1516.45	1516.50	1513.50	1513.50	1513.50	1516.50	1516.45	1519.81

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:017

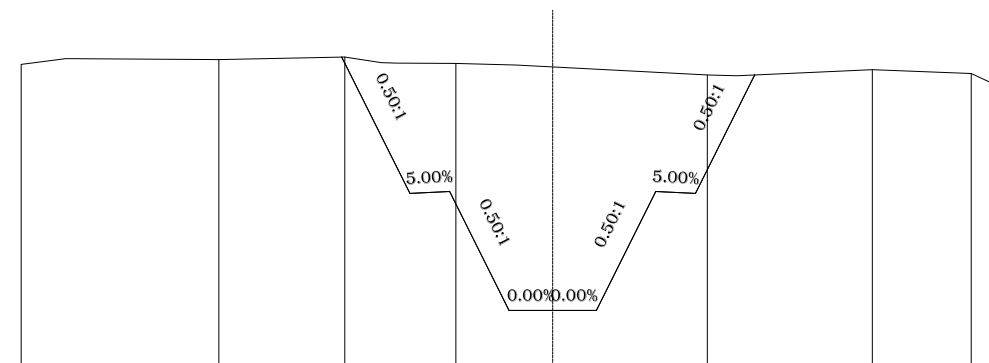
DATE:

January 2021

# 0+340.000

Cut volume 807.501 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =38.648 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-13.40	-8.42	-5.24	-2.44			3.90	8.06	10.55		
Ground Elevation:	1519.64	1519.76	1519.82	1519.66			1519.37	1519.50	1519.41		
Finished Offset:			-5.32	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	5.09
Finished Elevation:			1519.82	1516.38	1516.43	1513.43	1513.43	1513.43	1516.43	1516.38	1519.37

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:018

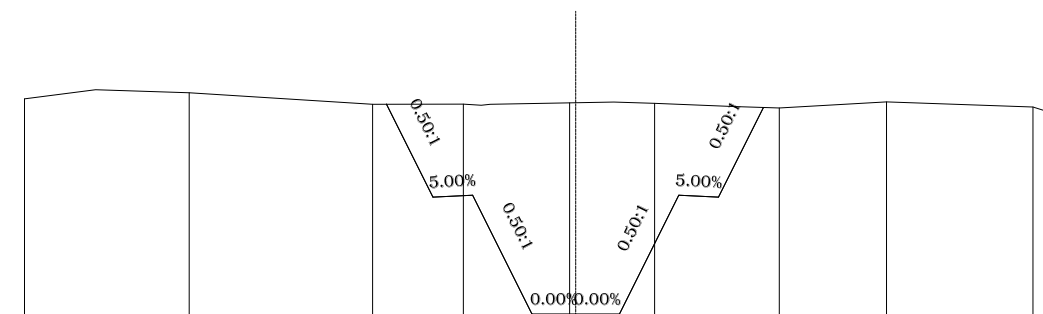
DATE:

January 2021

# 0+360.000

Cut volume 690.705 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =30.423 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-13.89	-9.75	-5.12	-2.83	-0.15	1.99	5.13	7.84	11.53		
Ground Elevation:	1518.79	1518.95	1518.65	1518.66	1518.69	1518.68	1518.57	1518.72	1518.59		
Finished Offset:			-4.77	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	4.73
Finished Elevation:			1518.66	1516.32	1516.37	1513.37	1513.37	1513.37	1516.37	1516.32	1518.58

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

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CS:019

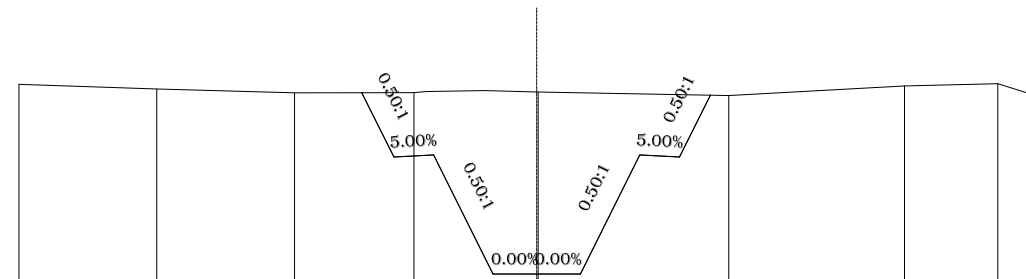
DATE:

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0+380.000

Cut volume 541.897 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =23.767 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-13.05	-9.58	-6.10	-3.10	0.04	4.84	9.27	11.62				
Ground Elevation:	1518.07	1517.96	1517.86	1517.87	1517.88	1517.79	1518.04	1518.09				
Finished Offset:				-4.41	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60	4.38
Finished Elevation:				1517.86	1516.25	1516.30	1513.30	1513.30	1513.30	1516.30	1516.25	1517.80

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ASPHALT ROAD (3.65)  
CROSS SECTIONS

DRAWING No.

CS:020

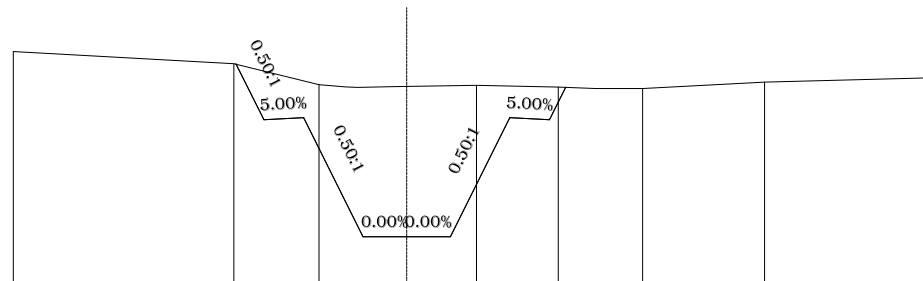
DATE:

January 2021



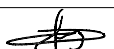
# 0+400.000

Cut volume 415.228 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =17.756 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



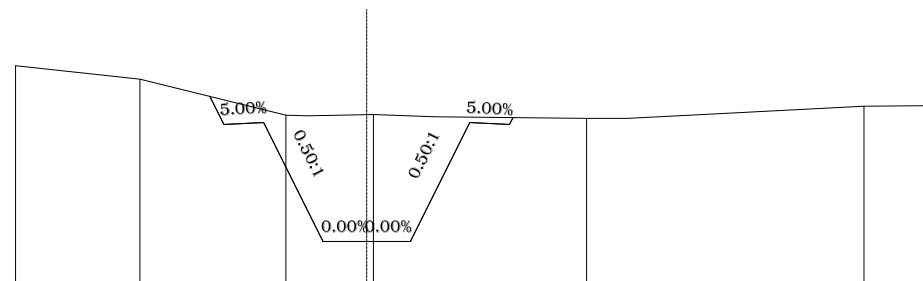
Ground Offset:	-9.92	-4.36	-2.21	1.76	3.82	5.95	9.02	13.37		
Ground Elevation:	1517.89	1517.59	1517.06	1517.04	1517.00	1516.96	1517.12	1517.23		
Finished Offset:		-4.30	-3.60	-2.60	-1.10	-0.00	1.10	2.60	3.60	4.01
Finished Elevation:		1517.57	1516.18	1516.23	1513.23	1513.23	1513.23	1516.23	1516.18	1516.99

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									DATE:	January 2021

# 0+420.000

Cut volume 305.313 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =12.775 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



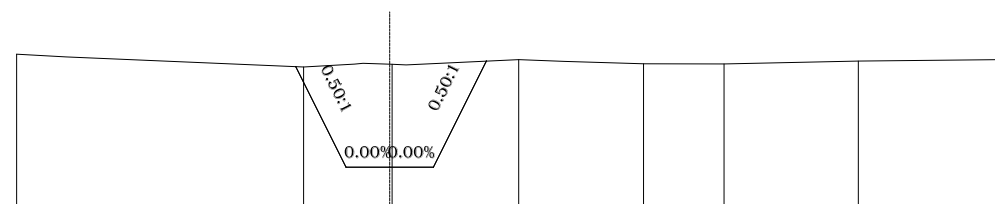
Ground Offset:	-8.85	-5.72	-2.04	0.17	5.54	12.54			
Ground Elevation:	1517.59	1517.25	1516.34	1516.36	1516.26	1516.57			
Finished Offset:		-3.95	-3.60	-2.60	-1.10	0.00	1.10	2.60	3.60
Finished Elevation:		1516.81	1516.11	1516.16	1513.16	1513.16	1513.16	1516.16	1516.11

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									DATE:	January 2021




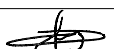

0+440.000

Cut volume 218.722 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =9.097 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



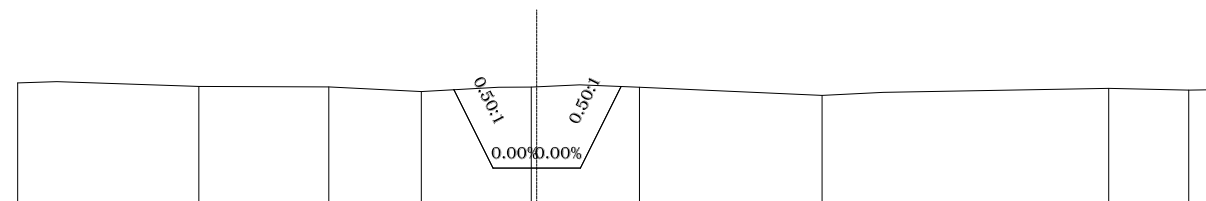
Ground Offset:	-9.40	-2.17	0.06	3.25	6.40	8.43	11.81	15.40
Ground Elevation:	1515.94	1515.61	1515.68	1515.80	1515.69	1515.69	1515.76	1515.80
Finished Offset:		-2.37	-1.10	0.00	1.10	2.44		
Finished Elevation:		1515.62	1513.09	1513.09	1513.09	1515.76		

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									DATE:	January 2021




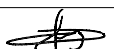

# 0+460.000

Cut volume 156.990 m<sup>3</sup>  
Fill volume 0.000 m<sup>3</sup>

Cut Area =6.602 m<sup>2</sup>  
Fill Area =0.000 m<sup>2</sup>



Ground Offset:	-13.09	-8.52	-5.24	-2.91	-0.14	2.59	7.19	14.42	16.44
Ground Elevation:	1515.16	1515.07	1515.06	1514.94	1515.06	1515.05	1514.85	1515.02	1514.98
Finished Offset:				-2.09	-1.10	0.00	1.10	2.13	
Finished Elevation:				1514.99	1513.02	1513.02	1513.02	1515.07	

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									DATE:	January 2021