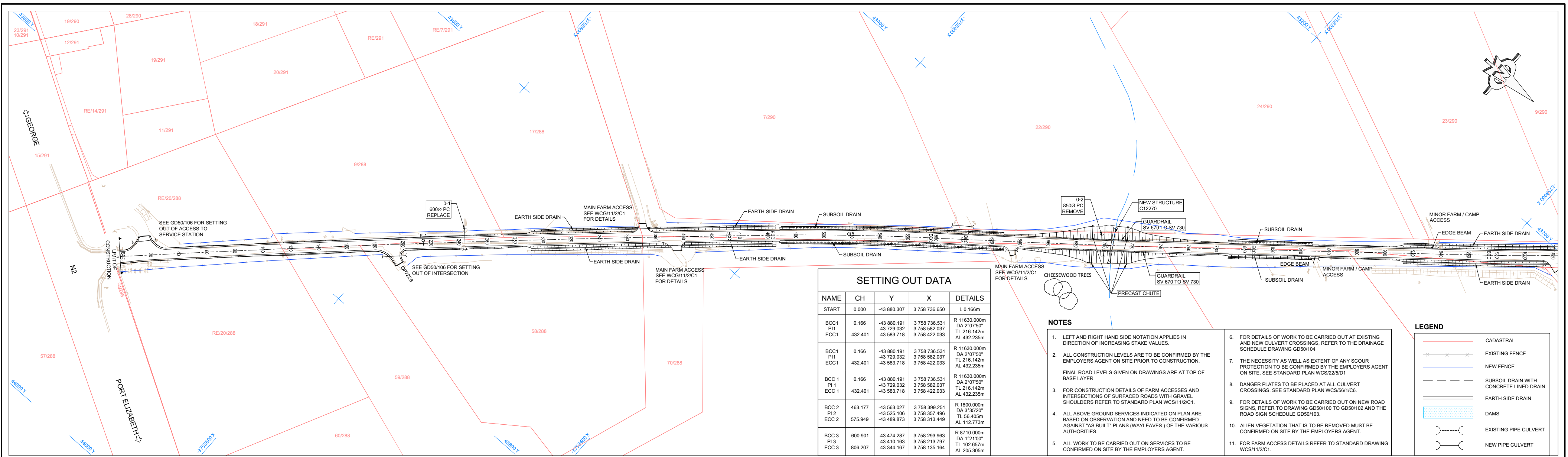


GD50/093



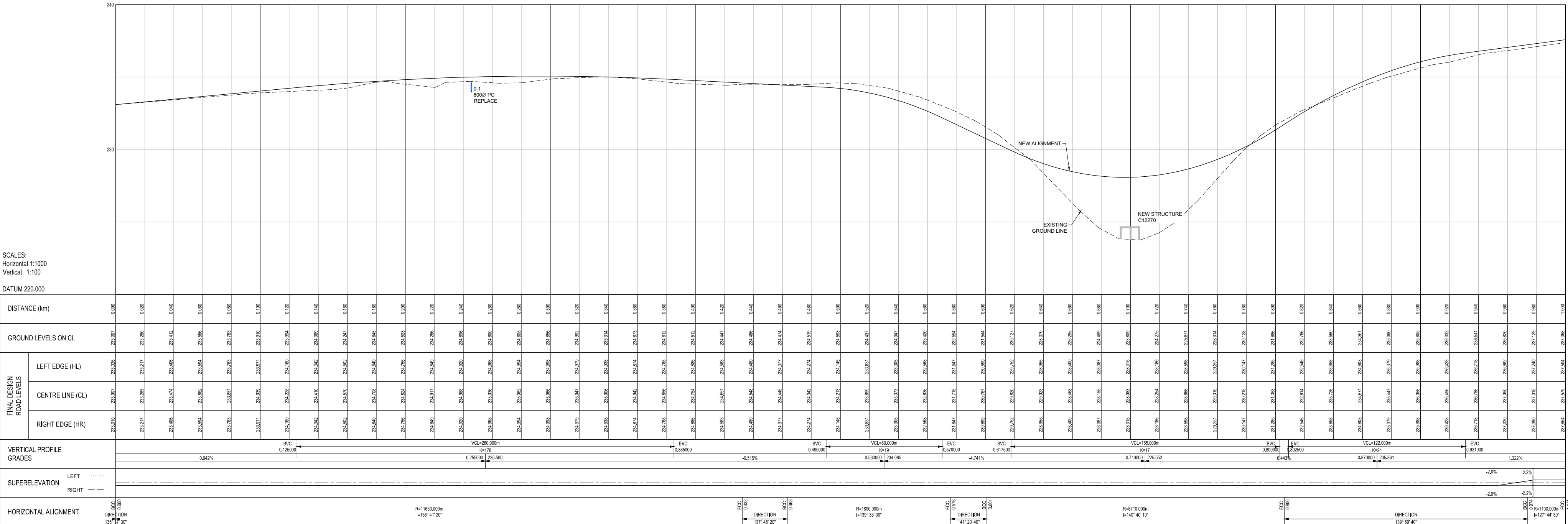
SETTING OUT DATA				
NAME	CH	Y	X	DETAILS
START	0.000	-43 880.307	3 758 736.650	L 0.166m
BCC1	0.166	-43 880.191	3 758 736.531	R 11630.000m
PI1		-43 729.032	3 758 582.037	DA 2'07'50"
ECC1	432.401	-43 583.718	3 758 422.033	TL 216 142m
				AL 432.235m
BCC1	0.166	-43 880.191	3 758 736.531	R 11630.000m
PI1		-43 729.032	3 758 582.037	DA 2'07'50"
ECC1	432.401	-43 583.718	3 758 422.033	TL 216 142m
				AL 432.235m
BCC 1	0.166	-43 880.191	3 758 736.531	R 11630.000m
PI 1		-43 729.032	3 758 582.037	DA 2'07'50"
ECC 1	432.401	-43 583.718	3 758 422.033	TL 216 142m
				AL 432.235m
BCC 2	463.177	-43 563.027	3 758 399.251	R 1800.000m
PI 2		-43 555.106	3 758 387.486	DA 3'35'20"
ECC 2	575.949	-43 489.873	3 758 313.449	TL 56 405m
				AL 112.73m
BCC 3	600.901	-43 474.287	3 758 293.963	R 8710.000m
PI 3		-43 410.163	3 758 213.197	DA 1'21'00"
ECC 3	806.207	-43 344.167	3 758 135.164	TL 102 657m
				AL 205.305m

- NOTES
- LEFT AND RIGHT HAND SIDE NOTATION APPLIES IN DIRECTION OF INCREASING STAKE VALUES.
 - ALL CONSTRUCTION LEVELS ARE TO BE CONFIRMED BY THE EMPLOYERS AGENT ON SITE PRIOR TO CONSTRUCTION. FINAL ROAD LEVELS GIVEN ON DRAWINGS ARE AT TOP OF BASE LAYER.
 - FOR CONSTRUCTION DETAILS OF FARM ACCESSES AND INTERSECTIONS OF SURFACED ROADS WITH GRAVEL SHOULDERS REFER TO STANDARD PLAN WCG/11/2/C1.
 - ALL ABOVE GROUND SERVICES INDICATED ON PLAN ARE BASED ON OBSERVATION AND NEED TO BE CONFIRMED AGAINST "AS BUILT" PLANS (WAYLEAVES) OF THE VARIOUS AUTHORITIES.
 - ALL WORK TO BE CARRIED OUT ON SERVICES TO BE CONFIRMED ON SITE BY THE EMPLOYERS AGENT.
 - FOR DETAILS OF WORK TO BE CARRIED OUT AT EXISTING AND NEW CULVERT CROSSINGS, REFER TO THE DRAINAGE SCHEDULE DRAWING GD50/104.
 - THE NECESSITY AS WELL AS EXTENT OF ANY SCOUR PROTECTION TO BE CONFIRMED BY THE EMPLOYERS AGENT ON SITE. SEE STANDARD PLAN WCG/22/5/01.
 - DANGER PLATES TO BE PLACED AT ALL CULVERT CROSSINGS. SEE STANDARD PLAN WCG/56/1/C6.
 - FOR DETAILS OF WORK TO BE CARRIED OUT ON NEW ROAD SIGNS, REFER TO DRAWING GD50/100 TO GD50/102 AND THE ROAD SIGN SCHEDULE GD50/103.
 - ALIEN VEGETATION THAT IS TO BE REMOVED MUST BE CONFIRMED ON SITE BY THE EMPLOYERS AGENT.
 - FOR FARM ACCESS DETAILS REFER TO STANDARD DRAWING WCG/11/2/C1.

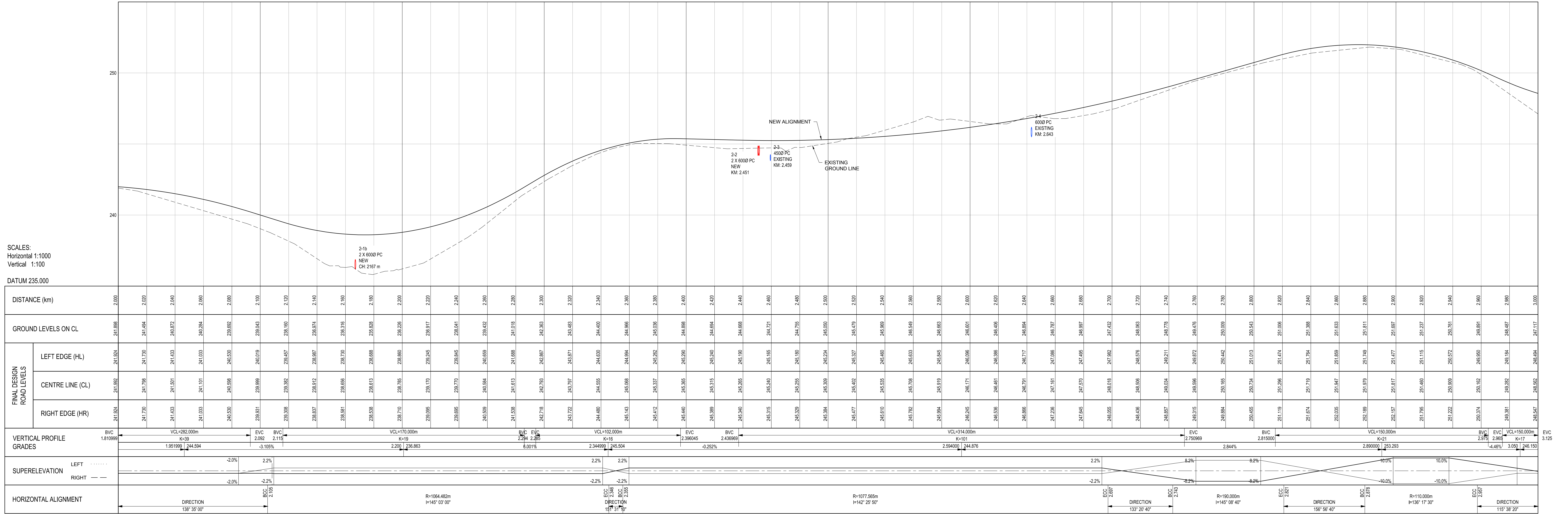
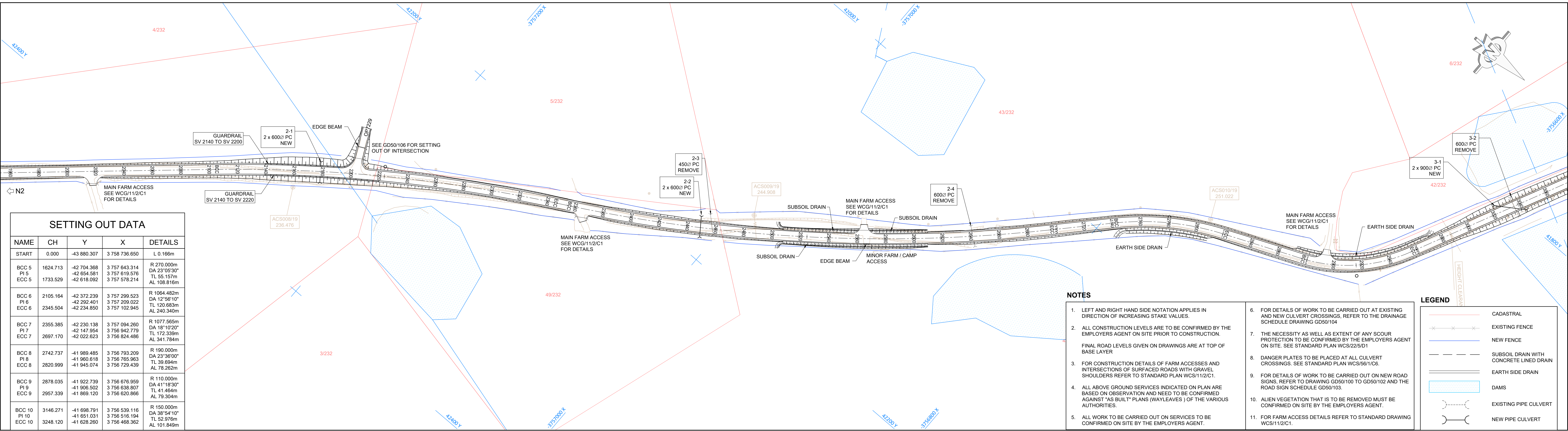
LEGEND	
	CADASTRAL
	EXISTING FENCE
	NEW FENCE
	SUBSOIL DRAIN WITH CONCRETE LINED DRAIN
	EARTH SIDE DRAIN
	DAMS
	EXISTING PIPE CULVERT
	NEW PIPE CULVERT

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 220.000







NO.

DATE

ADDITIONS AND AMENDMENTS

APPROVED

CONS.

PRE

DESIGNED BY:

G. LLEWELLYN

DRAWN BY:

S. L. STRANACK

CHECKED BY:

G. LLEWELLYN

HATCH

False Bay Building
Tygerberg Park
163 Uys Krige Drive
Platteklief, 7500

+27 21 9115823
www.hatch.com

CONSULTING ENGINEERS

DATE: 2020/02/28

WESTERN CAPE GOVERNMENT

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS

APPROVED

THIS APPROVAL IS FOR PROCEURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OF ANY KIND FROM WHATSOEVER OR HOWEVER ARISING

PROVINCIAL ROADS ENGINEER

DATE:

PERIODIC MAINTENANCE OF TR2/12
KURLAND KM 14.14 TO EASTERN CAPE BORDER KM 37.245
(BLOUKRANSPPAS)

DR1797 PLAN AND PROFILE - km 2.0 to km 3.0

P.R.E.'S FILE No.
TPW16/64/1/1-TR002/2-C1103

SCALE:
1 : 1000

CONTRACT No.
C1103

CONSULTANT'S PLAN No.
H357403-11000-220-271-0005-0003

WCG STRUCTURES PLAN No.
WCG INDEX No.
GD50/095

0m 50m 100m

1cm = 10m for A0 size

SETTING OUT DATA

NAME	CH	Y	X	DETAILS
START	0.000	-43 880.307	3 758 736.650	L 0.166m
BCC 9 PI 9 ECC 9	2878.035 -41 922.739 2957.339	-41 906.502 -41 868.120	3 756 676.959 3 756 638.807 3 756 620.866	R 110.000m DA 41°1'30" TL 41.464m AL 79.304m
BCC 10 PI 10 ECC 10	3146.271 -41 698.791 3248.120	-41 651.031 -41 628.260	3 756 539.116 3 756 516.194 3 756 488.362	R 150.000m DA 38°54'10" TL 52.976m AL 101.849m
BCC 11 PI 11 ECC 11	3319.059 -41 597.766 3419.355	-41 576.138 -41 563.995	3 756 404.311 3 756 358.880 3 756 310.050	R 500.000m DA 11°29'40" TL 50.317m AL 100.296m
BCC 12 PI 12 ECC 12	3551.112 -41 532.198 3683.915	-41 513.895 -41 438.592	3 756 182.167 3 756 108.583 3 756 099.521	R 110.000m DA 69°10'20" TL 75.846m AL 132.862m
BCC 13 PI 13 ECC 13	3803.834 -41 319.533 4819.505	-40 804.212 -40 384.083	3 756 085.193 3 756 023.178 3 755 718.395	R 2000.000m DA 29°05'50" TL 519.039m AL 1015.671m
END	4853.625	-40 356.465	3 755 696.359	L 34.121m

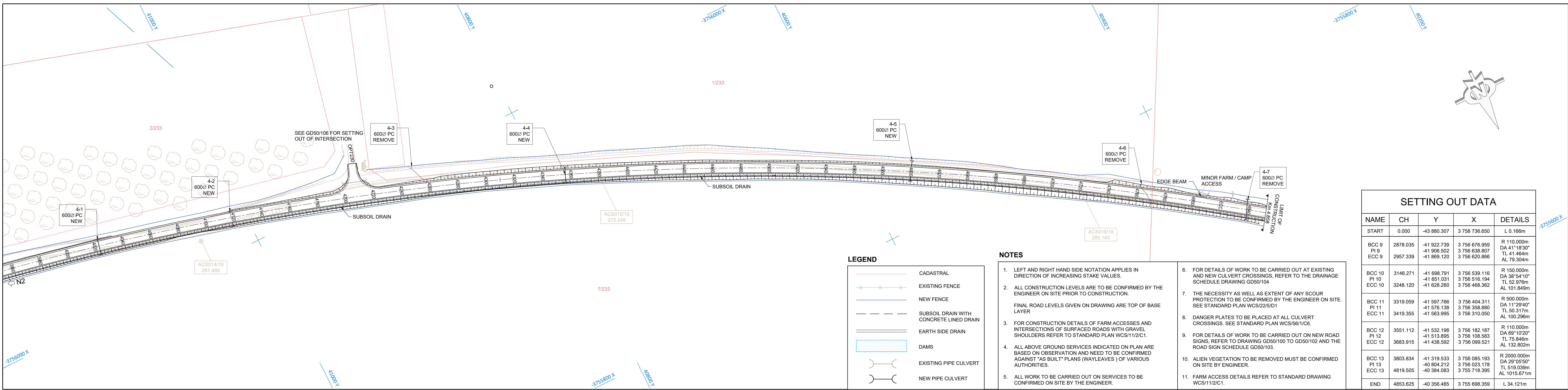
LEGEND

- CADASTRAL
- EXISTING FENCE
- NEW FENCE
- SUBSOIL DRAIN WITH CONCRETE LINED DRAIN
- EARTH SIDE DRAIN
- DAMS
- EXISTING PIPE CULVERT
- NEW PIPE CULVERT

NOTES

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- ALL CONSTRUCTION LEVELS ARE TO BE CONFIRMED BY THE ENGINEER ON SITE PRIOR TO CONSTRUCTION.
FINAL ROAD LEVELS GIVEN ON DRAWING ARE TOP OF BASE LAYER
- FOR CONSTRUCTION DETAILS OF FARM ACCESSSES AND INTERSECTIONS OF SURFACED ROADS WITH GRAVEL SHOULDERS REFER TO STANDARD PLAN WCS/11/22/01.
- ALL ABOVE GROUND SERVICES INDICATED ON PLAN ARE BASED ON OBSERVATION AND NEED TO BE CONFIRMED AGAINST "AS BUILT" PLANS (WAYLEAVES) OF VARIOUS AUTHORITIES.
- ALL WORK TO BE CARRIED OUT ON SERVICES TO BE CONFIRMED ON SITE BY THE ENGINEER.
- FOR DETAILS OF WORK TO BE CARRIED OUT AT EXISTING AND NEW CULVERT CROSSINGS, REFER TO THE DRAINAGE SCHEDULE DRAWING GDS01/04.
- THE NECESSITY AS WELL AS EXTENT OF ANY SCOUR PROTECTION TO BE CONFIRMED BY THE ENGINEER ON SITE. SEE STANDARD PLAN WCS/22/5/D1
- DANGER PLATES TO BE PLACED AT ALL CULVERT CROSSINGS. SEE STANDARD PLAN WCS/56/1/C6.
- FOR DETAIL S OF WORK TO BE CARRIED OUT ON NEW ROAD SIGNS, REFER TO DRAWING GDS01/00 TO GDS01/02 AND THE ROAD SIGN SCHEDULE GDS01/03.
- ALIEN VEGETATION TO BE REMOVED MUST BE CONFIRMED ON SITE BY ENGINEER.
- FARM ACCESS DETAILS REFER TO STANDARD DRAWING WCS/11/2/C1.



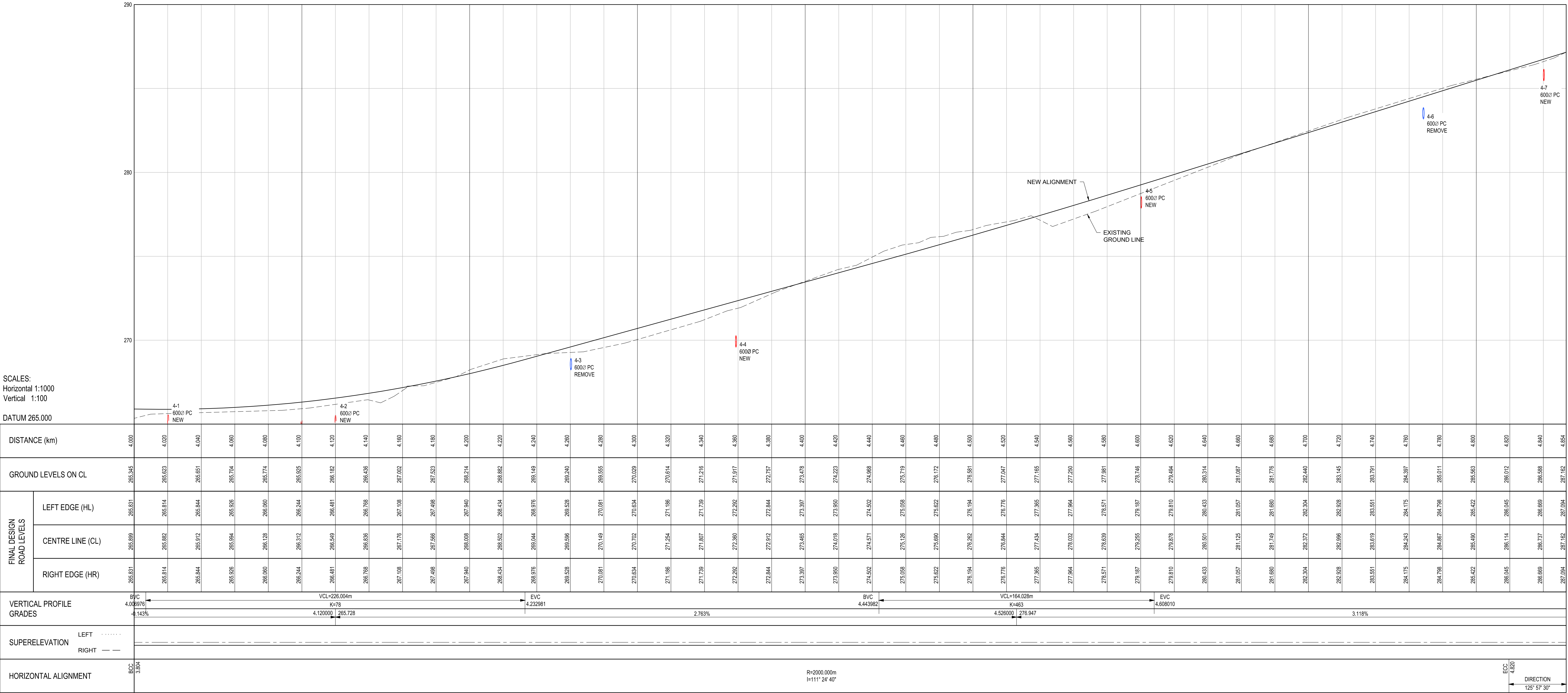


SETTING OUT DATA				
NAME	CH	Y	X	DETAILS
START	0.000	-43 880.307	3 758 736.650	L 0.166m
BCC 9	2878.035	-41 922.739	3 758 676.959	R 110.000m
PI 9		-41 906.502	3 756 638.807	DA 44°18'30"
ECC 9	2957.339	-41 869.120	3 756 620.868	TL 41.264m
				AL 79.304m
BCC 10	3146.271	-41 698.791	3 756 539.116	R 150.000m
PI 10		-41 651.031	3 756 516.194	DA 38°54'10"
ECC 10	3248.120	-41 628.260	3 756 468.352	TL 52.976m
				AL 101.849m
BCC 11	3319.059	-41 597.766	3 756 404.311	R 500.000m
PI 11		-41 576.138	3 756 358.880	DA 11°29'40"
ECC 11	3419.355	-41 563.995	3 756 310.050	TL 50.317m
				AL 100.296m
BCC 12	3551.112	-41 532.198	3 756 182.187	R 110.000m
PI 12		-41 513.895	3 756 108.583	DA 69°10'20"
ECC 12	3683.915	-41 438.592	3 756 099.521	TL 75.846m
				AL 132.802m
BCC 13	3803.834	-41 319.533	3 756 085.193	R 2000.000m
PI 13		-40 804.212	3 756 023.178	DA 29°05'50"
ECC 13	4819.505	-40 384.083	3 755 718.395	TL 519.039m
				AL 1015.671m
END	4853.625	-40 356.465	3 755 698.359	L 34.121m

3756000 Y

LEGEND	
	CADASTRAL
	EXISTING FENCE
	NEW FENCE
	SUBSOIL DRAIN WITH CONCRETE LINED DRAIN
	EARTH SIDE DRAIN
	DAMS
	EXISTING PIPE CULVERT
	NEW PIPE CULVERT

- NOTES**
- LEFT AND RIGHT HAND SIDE NOTATION APPLIES IN DIRECTION OF INCREASING STAKE VALUES.
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 - FOR CONSTRUCTION DETAILS OF FARM ACCESSES AND INTERSECTIONS OF SURFACED ROADS WITH GRAVEL SHOULDERS REFER TO STANDARD PLAN WCS/112/C1.
 - ALL ABOVE GROUND SERVICES INDICATED ON PLAN ARE BASED ON OBSERVATION AND NEED TO BE CONFIRMED AGAINST 'AS BUILT' PLANS (WAYLEAVES) OF VARIOUS AUTHORITIES.
 - ALL WORK TO BE CARRIED OUT ON SERVICES TO BE CONFIRMED ON SITE BY THE ENGINEER.
 - FOR DETAILS OF WORK TO BE CARRIED OUT AT EXISTING AND NEW CULVERT CROSSINGS, REFER TO THE DRAINAGE SCHEDULE DRAWING GD50/104.
 - THE NECESSITY AS WELL AS EXTENT OF ANY SCOUR PROTECTION TO BE CONFIRMED BY THE ENGINEER ON SITE. SEE STANDARD PLAN WCS/22/5/D1.
 - DANGER PLATES TO BE PLACED AT ALL CULVERT CROSSINGS. SEE STANDARD PLAN WCS/561/C6.
 - FOR DETAILS OF WORK TO BE CARRIED OUT ON NEW ROAD SIGNS, REFER TO DRAWING GD50/100 TO GD50/102 AND THE ROAD SIGN SCHEDULE GD50/103.
 - ALIEN VEGETATION TO BE REMOVED MUST BE CONFIRMED ON SITE BY ENGINEER.
 - FARM ACCESS DETAILS REFER TO STANDARD DRAWING WCS/112/C1.



LONGSECTION DR1797
FROM 4000.000 TO 4853.625

NO.	DATE	ADDITIONS AND AMENDMENTS	APPROVED		DESIGNED BY:	E. M. HENNING		False Bay Building Tygerberg Park 163 Uys Krige Drive Platteklief, 7500 *27 21 9115823 www.hatch.com	CONSULTING ENGINEERS	DATE: 2020/02/28	WESTERN CAPE GOVERNMENT DEPARTMENT OF TRANSPORT AND PUBLIC WORKS	APPROVED THIS APPROVAL IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OF ANY KIND FROM WHATSOEVER OR HOWSOEVER ARISING PROVINCIAL ROADS ENGINEER DATE: -----	PERIODIC MAINTENANCE OF TR2/12 KURLAND KM 14.14 TO EASTERN CAPE BORDER KM 37.245 (BLOUKRANSPAS) DR1797 PLAN AND PROFILE - km 4.0 to km 4.858	P.R.E.'s FILE No. TPW16/6/4/1/1-TR00212-C1103 CONTRACT No. C1103 CONSULTANT'S PLAN No. H357403-11000-220-271-0005-0005	SCALE: 1 : 1000 WG STRUCTURES PLAN No. WG INDEX No. GD50/097
			CONS.	PRE											
A	2020/02/28	TENDER			CHECKED BY:	G. LLEWELLYN									
					DRAWN BY:	S. L. STRANACK									
					CHECKED BY:	G. LLEWELLYN									

