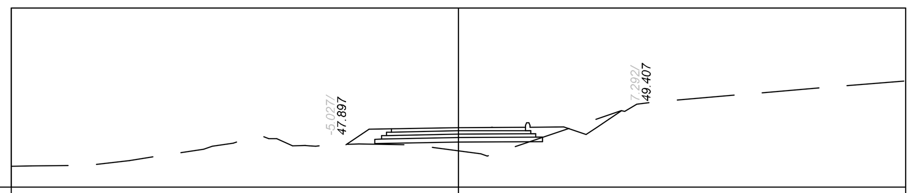
CHAINAGE 1020
V.SCALE 1:200
H.SCALE 1:200

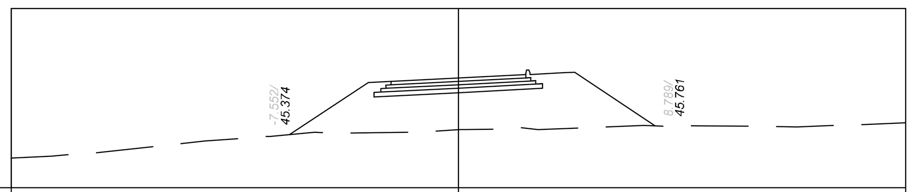
FILL AREA : 7.481m²
CUT AREA : 0.639m²
DATUM = 46



FINISHED		48.579	48.599	48.659	48.648	48.678	
GROUND	47.146	47.898	47.906	47.611	48.130	48.639	50.339
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1000
V.SCALE 1:200
H.SCALE 1:200

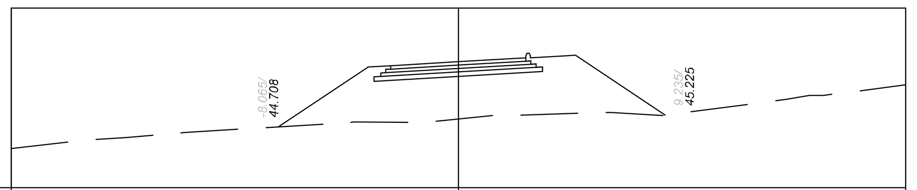
FILL AREA : 30.042m²
CUT AREA : 0.000m²
DATUM = 43



FINISHED		47.696	47.744	47.892	48.032	48.154	
GROUND	44.689	45.435	45.457	45.595	45.595	45.648	45.715
OFFSET	-15.000	-4.031	-3.023	0.000	3.001	5.201	15.000

CHAINAGE 980
V.SCALE 1:200
H.SCALE 1:200

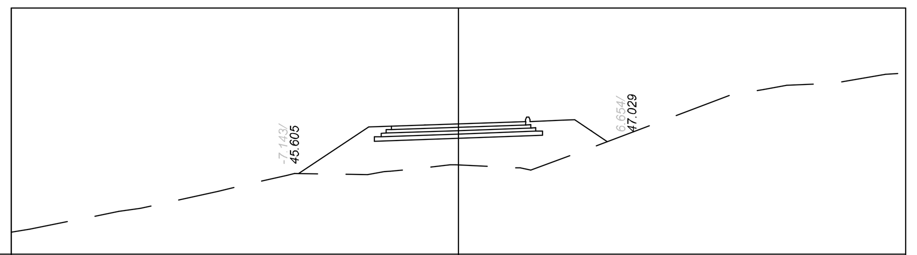
FILL AREA : 33.591m²
CUT AREA : 0.000m²
DATUM = 42



FINISHED		47.378	47.437	47.612	47.860	47.909	
GROUND	44.218	44.900	44.918	45.057	45.258	45.298	45.990
OFFSET	-15.000	-4.042	-3.031	0.000	3.011	5.220	15.000

CHAINAGE 960
V.SCALE 1:200
H.SCALE 1:200

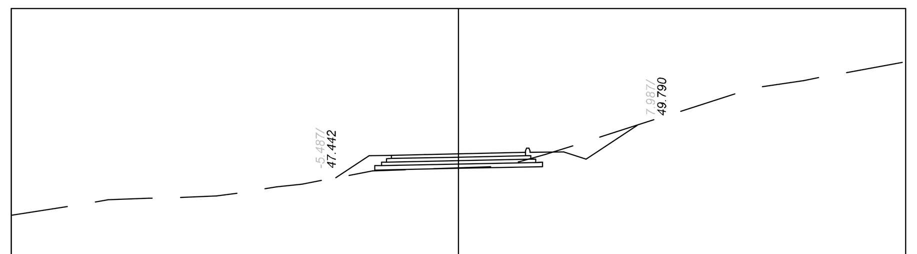
FILL AREA : 22.265m²
CUT AREA : 0.000m²
DATUM = 42



FINISHED		47.683	47.716	47.819	48.008	47.999	
GROUND	43.936	45.571	45.656	45.989	45.859	46.409	49.559
OFFSET	-15.000	-4.010	-3.008	0.000	3.000	5.201	15.000

CHAINAGE 940
V.SCALE 1:200
H.SCALE 1:200

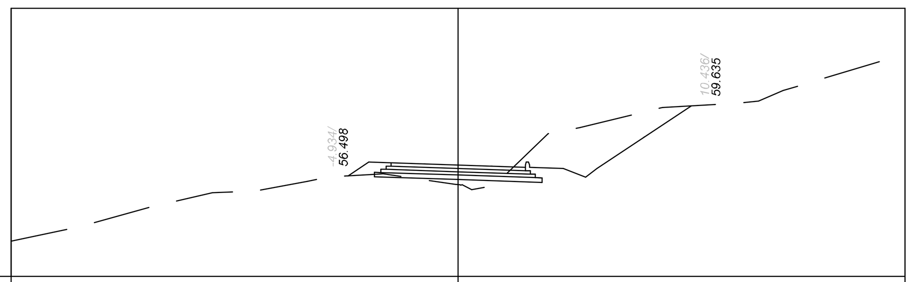
FILL AREA : 5.096m²
CUT AREA : 1.403m²
DATUM = 44



FINISHED		48.432	48.452	48.512	48.642	48.599	
GROUND	46.483	47.531	47.756	47.891	48.375	48.835	51.724
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1120
V.SCALE 1:200
H.SCALE 1:200

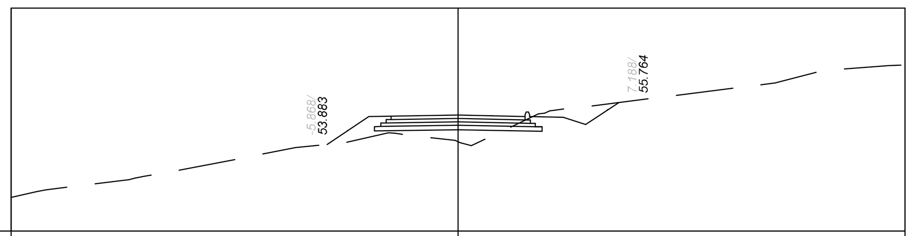
FILL AREA : 4.863m²
CUT AREA : 9.915m²
DATUM = 52



FINISHED		57.118	57.086	56.988	56.889	56.832	
GROUND	54.766	56.494	56.578	56.112	57.889	58.578	60.451
OFFSET	-15.000	-4.000	-3.000	0.000	3.006	6.209	15.000

CHAINAGE 1100
V.SCALE 1:200
H.SCALE 1:200

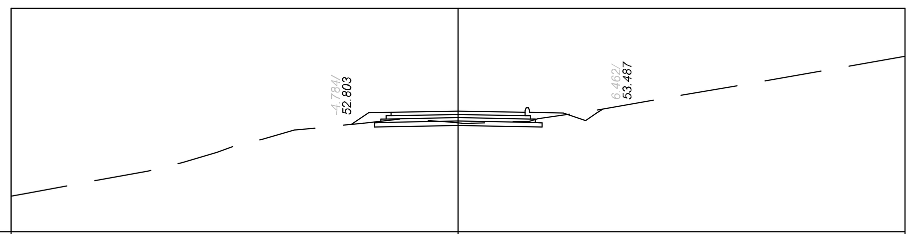
FILL AREA : 7.254m²
CUT AREA : 1.472m²
DATUM = 50



FINISHED		55.128	55.146	55.198	55.238	55.105	
GROUND	52.271	53.979	54.320	54.005	55.203	55.498	56.847
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1080
V.SCALE 1:200
H.SCALE 1:200

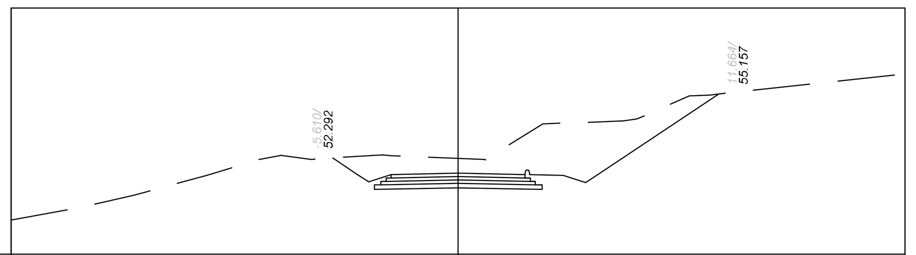
FILL AREA : 3.680m²
CUT AREA : 0.303m²
DATUM = 48



FINISHED		53.326	53.346	53.406	53.426	53.313	
GROUND	50.507	52.781	52.938	52.879	53.033	53.266	54.984
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1060
V.SCALE 1:200
H.SCALE 1:200

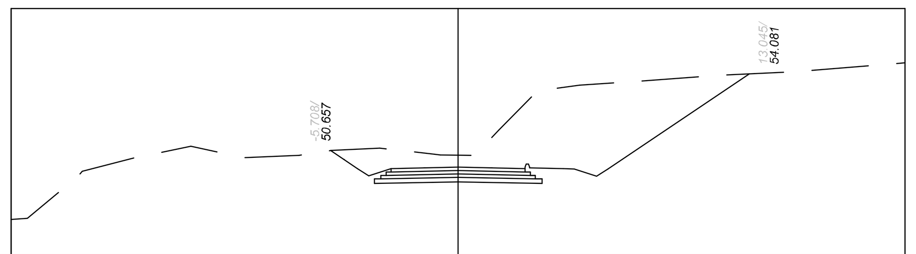
FILL AREA : 0.000m²
CUT AREA : 20.914m²
DATUM = 48



FINISHED		51.554 51.224	51.554	51.614	51.689	51.521	
GROUND	50.512	52.333	52.428	52.273	53.647	53.866	55.516
OFFSET	-15.000	-4.500 -4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1040
V.SCALE 1:200
H.SCALE 1:200

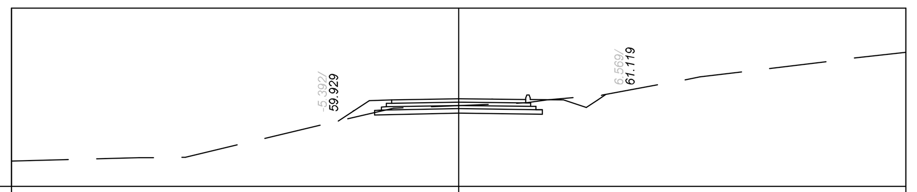
FILL AREA : 0.000m²
CUT AREA : 34.166m²
DATUM = 46



FINISHED		49.852 49.522	49.852	49.912	49.882	49.842	
GROUND	50.202	50.692	50.764	50.453	53.276	53.515	54.170
OFFSET	-15.000	-4.500 -4.000	-3.000	0.000	3.000	6.700	15.000

CHAINAGE 1220
V.SCALE 1:200
H.SCALE 1:200

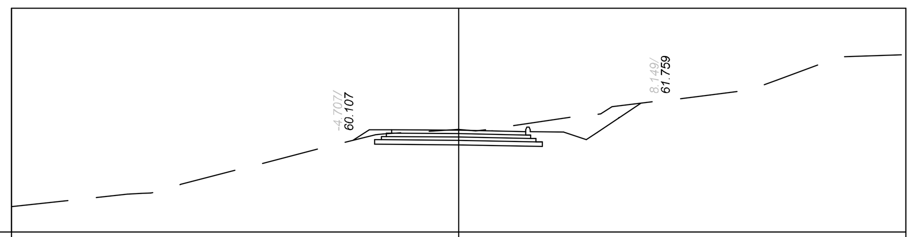
FILL AREA : 2.762m²
CUT AREA : 0.504m²
DATUM = 57



FINISHED		60.856	60.876	60.936	60.896	60.873	
GROUND	58.267	60.020	60.368	60.621	60.818	60.968	62.424
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1200
V.SCALE 1:200
H.SCALE 1:200

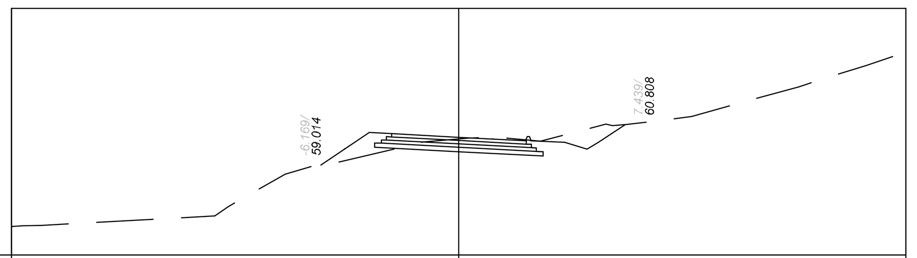
FILL AREA : 0.527m²
CUT AREA : 3.469m²
DATUM = 56



FINISHED		60.578	60.572	60.553	60.508	60.460	
GROUND	57.674	60.035	60.370	60.586	60.918	61.140	63.079
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1180
V.SCALE 1:200
H.SCALE 1:200

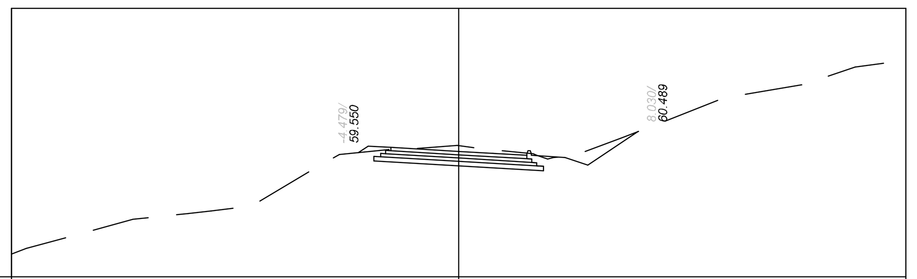
FILL AREA : 3.068m²
CUT AREA : 1.803m²
DATUM = 55



FINISHED		60.463	60.410	60.253	60.086	60.019	
GROUND	56.522	59.226	59.580	60.172	60.089	60.422	62.443
OFFSET	-15.000	-4.001	-3.001	0.000	3.024	6.250	15.000

CHAINAGE 1160
V.SCALE 1:200
H.SCALE 1:200

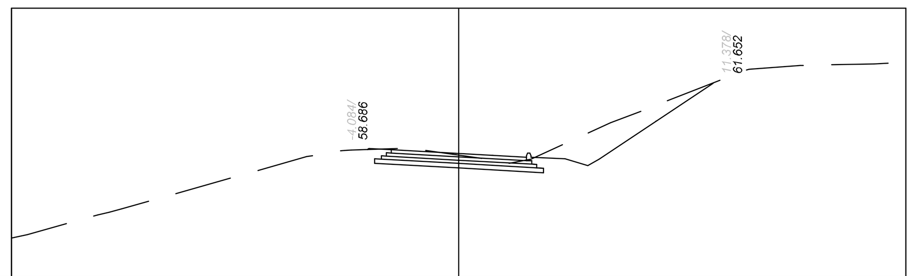
FILL AREA : 0.343m²
CUT AREA : 1.876m²
DATUM = 54



FINISHED		59.839	59.780	59.602	59.600	59.330	
GROUND	56.446	59.497	59.648	59.864	59.429	59.411	62.520
OFFSET	-15.000	-4.045	-3.033	0.000	3.042	6.287	15.000

CHAINAGE 1140
V.SCALE 1:200
H.SCALE 1:200

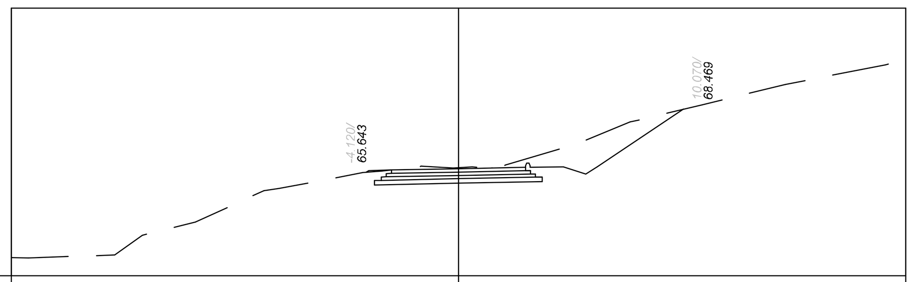
FILL AREA : 0.758m²
CUT AREA : 5.990m²
DATUM = 53



FINISHED		58.736	58.680	58.514	58.449	58.263	
GROUND	56.058	58.652	58.705	58.434	58.371	59.056	62.420
OFFSET	-15.000	-4.010	-3.007	0.000	3.041	6.284	15.000

CHAINAGE 1320
V.SCALE 1:200
H.SCALE 1:200

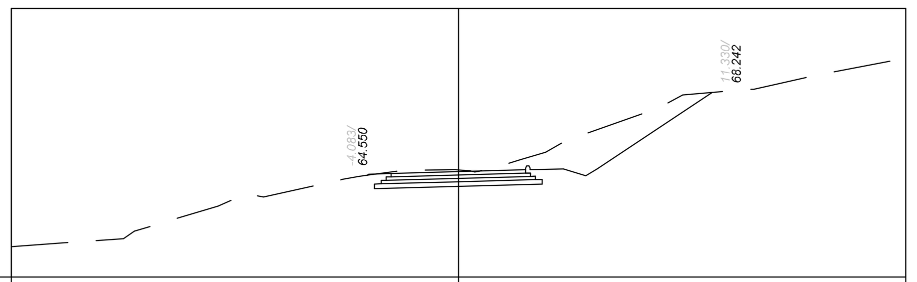
FILL AREA : 0.049m²
CUT AREA : 6.455m²
DATUM = 61



FINISHED		65.722	65.742	65.802	65.862	65.889	
GROUND	62.196	65.493	65.687	65.846	66.380	66.824	69.656
OFFSET	-15.000	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 1300
V.SCALE 1:200
H.SCALE 1:200

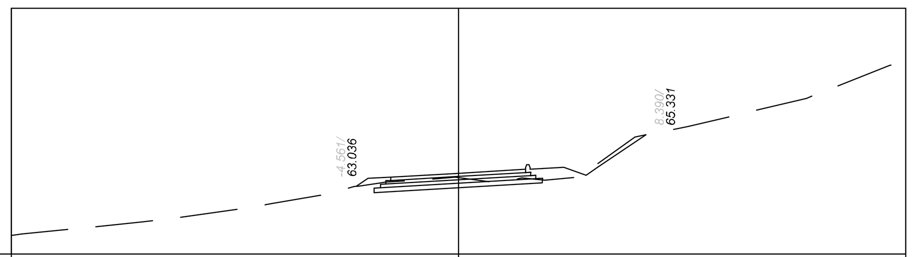
FILL AREA : 0.017m²
CUT AREA : 9.741m²
DATUM = 60



FINISHED		64.602	64.629	64.709	64.890	64.828	
GROUND	61.721	64.398	64.627	64.789	65.456	66.162	68.785
OFFSET	-15.000	-4.004	-3.003	0.000	3.000	6.201	15.000

CHAINAGE 1280
V.SCALE 1:200
H.SCALE 1:200

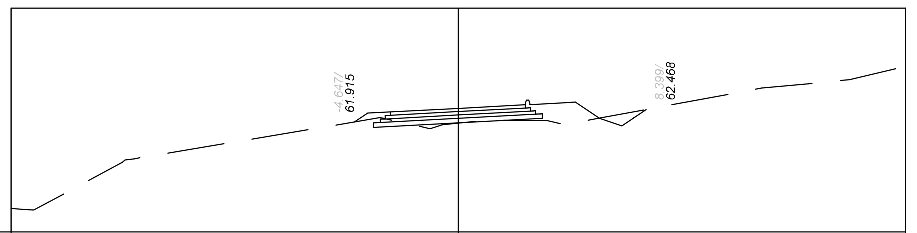
FILL AREA : 3.250m²
CUT AREA : 0.472m²
DATUM = 60



FINISHED		63.384	63.442	63.617	63.890	63.877	
GROUND	61.341	62.931	63.183	63.418	63.341	63.412	66.830
OFFSET	-15.000	-4.039	-3.029	0.000	3.006	6.212	15.000

CHAINAGE 1260
V.SCALE 1:200
H.SCALE 1:200

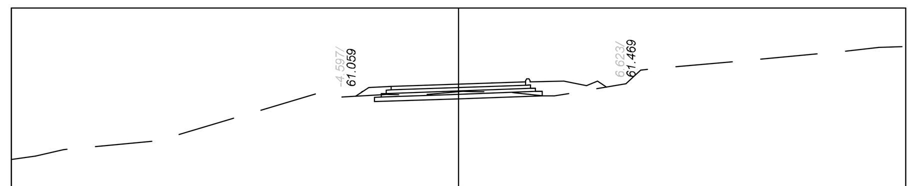
FILL AREA : 6.612m²
CUT AREA : 0.547m²
DATUM = 57



FINISHED		62.310	62.362	62.525	62.808	61.745	
GROUND	60.127	61.856	62.107	61.857	61.986	61.853	63.563
OFFSET	-15.000	-4.050	-3.030	0.000	3.009	7.318	15.000

CHAINAGE 1240
V.SCALE 1:200
H.SCALE 1:200

FILL AREA : 4.513m²
CUT AREA : 0.000m²
DATUM = 57



FINISHED		61.451	61.487	61.593	61.709	61.733	
GROUND	58.923	61.037	61.118	61.258	61.110	61.191	62.854
OFFSET	-15.000	-4.008	-3.006	0.000	3.000	6.227	15.000

Symbol	Date	Description	Checked	Signed
AMENDMENTS				

AS BUILT

Supervising Engineer .... Date ....

Supervising Authority ....

CONTINUED FROM :-
CONTINUED ON :-
CROSS SECTION NO :-
LONGITUDINAL SECTION No :-
DESIGN PLAN No :-

DESIGNED BY :- L.MAHADEO
CHECKED BY :-
DRAWN BY :-
CHECKED BY :-
DATE OF APPROVAL :-

H:\Geometrics Office\Design submission pack\Titleblocks\image1.png

Designed by :

Geometric Design Sub-Directorate
224 Prince Alfred Street
Pietermaritzburg
3201

Signed ____________ Date ________

TRANSPORTATION ENGINEERING: CHIEF ENGINEER

HEAD: TRANSPORT

UPGRADING DISTRICT ROAD 1097

PORTION

UPGRADING PORTION OF DISTRICT ROAD 1097 : KM 0+000 TO KM 4+660

DESIGN AND SERVICE PLAN

Staked km distance
Chainage 940 to 1320

SHEET : 3 OF XXX

Scale
H - 1:200
V - 1:200

Plan No. :-
C PLAN NO.

C PLAN NO.2