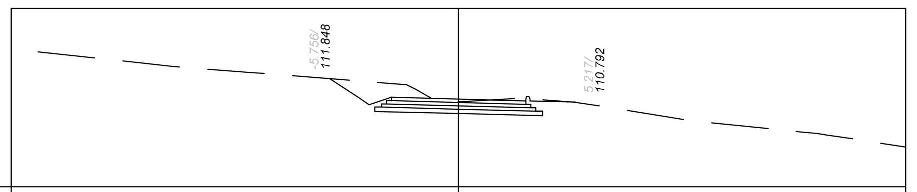
CHAINAGE 2400
V.SCALE 1:200
H.SCALE 1:200

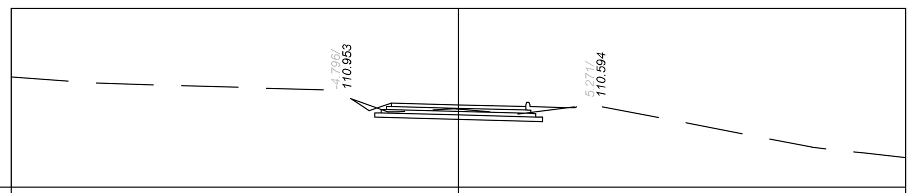
FILL AREA : 0.294m²
CUT AREA : 2.630m²
DATUM = 107



FINISHED		111.011	110.681	111.011	110.933	110.836	110.802	
GROUND	112.646	111.788		111.669	110.803	110.911	110.813	109.494
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.001	5.202	15.000

CHAINAGE 2380
V.SCALE 1:200
H.SCALE 1:200

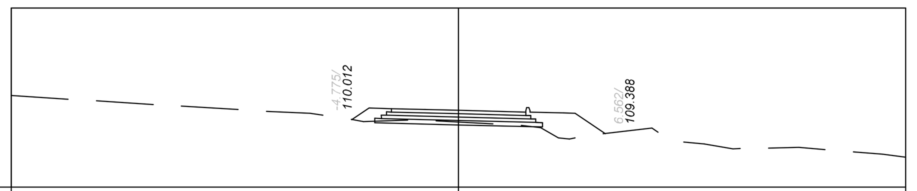
FILL AREA : 2.131m²
CUT AREA : 0.142m²
DATUM = 107



FINISHED		110.757	110.427	110.757	110.679	110.606	110.549	
GROUND	111.619	111.026		110.484	110.494	110.371	110.560	108.941
OFFSET	-15.000	-4.502	-4.002	-3.001	0.000	3.001	5.203	15.000

CHAINAGE 2360
V.SCALE 1:200
H.SCALE 1:200

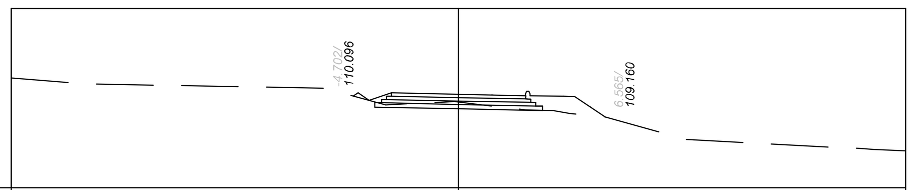
FILL AREA : 6.754m²
CUT AREA : 0.000m²
DATUM = 107



FINISHED		110.528	110.502	110.424	110.336	110.295	
GROUND	110.774	110.049	109.950	109.901	109.666	109.154	108.771
OFFSET	-15.000	-4.002	-3.001	0.000	3.001	5.202	15.000

CHAINAGE 2340
V.SCALE 1:200
H.SCALE 1:200

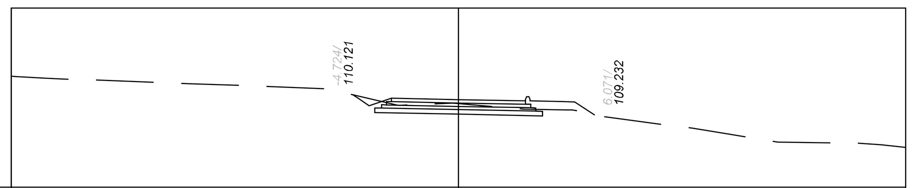
FILL AREA : 5.098m²
CUT AREA : 0.000m²
DATUM = 106



FINISHED		110.231	109.901	110.231	110.170	110.185	110.069	
GROUND	110.602	110.178		109.767	109.819	109.468	109.307	107.900
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.201	15.000

CHAINAGE 2320
V.SCALE 1:200
H.SCALE 1:200

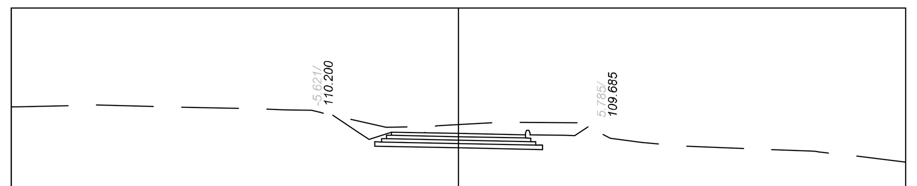
FILL AREA : 2.580m²
CUT AREA : 0.202m²
DATUM = 106



FINISHED		109.972	109.642	109.972	109.912	109.882	109.812	
GROUND	110.739	110.185		109.842	109.739	109.474	109.454	108.007
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.200	15.000

CHAINAGE 2300
V.SCALE 1:200
H.SCALE 1:200

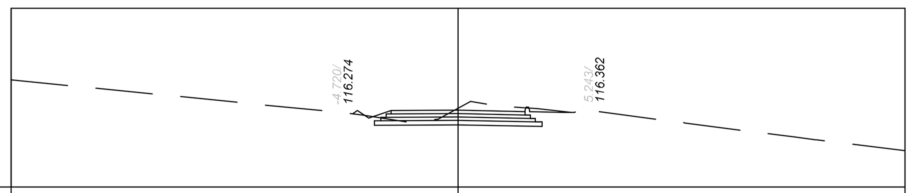
FILL AREA : 0.000m²
CUT AREA : 4.749m²
DATUM = 107



FINISHED		109.453	109.123	109.453	109.394	109.305	109.295	
GROUND	110.637	110.059		109.719	109.785	109.880	109.866	108.628
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.200	15.000

CHAINAGE 2520
V.SCALE 1:200
H.SCALE 1:200

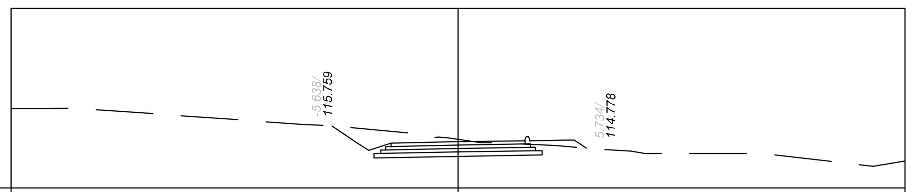
FILL AREA : 1.333m²
CUT AREA : 0.972m²
DATUM = 113



FINISHED		116.420	116.090	116.420	116.434	116.449	116.334	
GROUND	117.298	116.307		116.100	116.520	116.519	116.352	115.244
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.200	15.000

CHAINAGE 2500
V.SCALE 1:200
H.SCALE 1:200

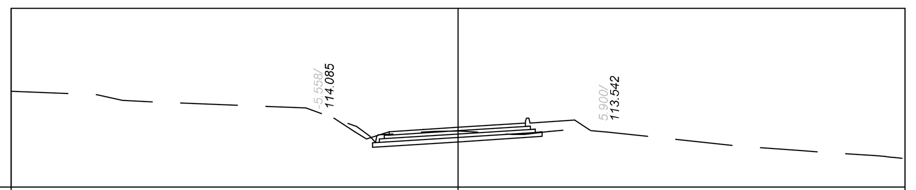
FILL AREA : 0.819m²
CUT AREA : 2.434m²
DATUM = 113



FINISHED		115.004	114.672	115.002	115.057	115.104	115.135	
GROUND	116.404	115.701		115.564	115.166	114.926	114.835	114.377
OFFSET	-15.000	-4.507	-4.006	-3.004	0.000	3.000	5.201	15.000

CHAINAGE 2480
V.SCALE 1:200
H.SCALE 1:200

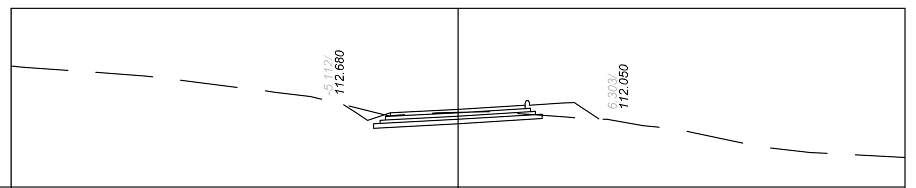
FILL AREA : 2.653m²
CUT AREA : 0.290m²
DATUM = 111



FINISHED		113.475	113.154	113.484	113.680	113.865	114.003	
GROUND	114.881	113.878		113.342	113.516	113.426	113.580	112.664
OFFSET	-15.000	-4.622	-4.108	-3.081	0.000	3.007	5.212	15.000

CHAINAGE 2460
V.SCALE 1:200
H.SCALE 1:200

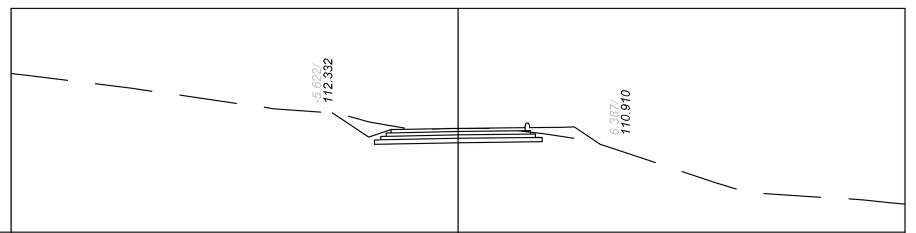
FILL AREA : 2.641m²
CUT AREA : 0.391m²
DATUM = 109



FINISHED		112.314	111.984	112.314	112.475	112.659	112.783	
GROUND	114.039	112.651		112.274	112.344	112.224	112.117	110.629
OFFSET	-15.000	-4.564	-4.053	-3.033	0.000	3.003	5.205	15.000

CHAINAGE 2440
V.SCALE 1:200
H.SCALE 1:200

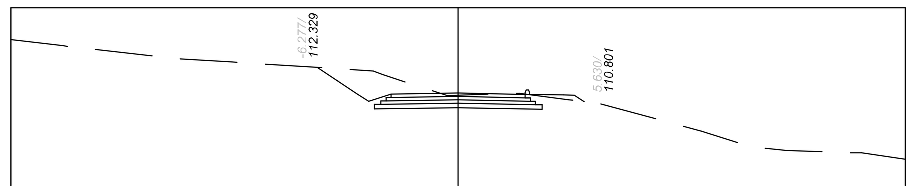
FILL AREA : 1.279m²
CUT AREA : 1.081m²
DATUM = 107



FINISHED		111.584	111.254	111.584	111.644	111.658	111.701	
GROUND	113.484	112.203		111.844	111.630	111.431	111.217	108.640
OFFSET	-15.000	-4.501	-4.001	-3.000	0.000	3.000	5.201	15.000

CHAINAGE 2420
V.SCALE 1:200
H.SCALE 1:200

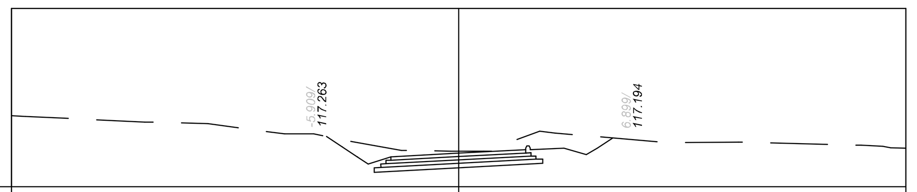
FILL AREA : 0.500m²
CUT AREA : 3.482m²
DATUM = 107



FINISHED		111.145	110.815	111.145	111.187	111.202	111.088	
GROUND	112.997	112.249		112.060	111.093	111.071	110.875	108.599
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.200	15.000

CHAINAGE 2640
V.SCALE 1:200
H.SCALE 1:200

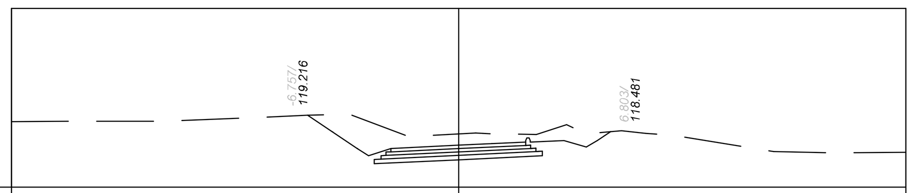
FILL AREA : 0.000m²
CUT AREA : 5.081m²
DATUM = 115



FINISHED		116.352	116.017	116.347	116.505	116.682	116.733	
GROUND	117.951	117.076		116.804	116.596	117.452	117.357	116.942
OFFSET	-15.000	-4.542	-4.037	-3.028	0.000	3.003	6.207	15.000

CHAINAGE 2620
V.SCALE 1:200
H.SCALE 1:200

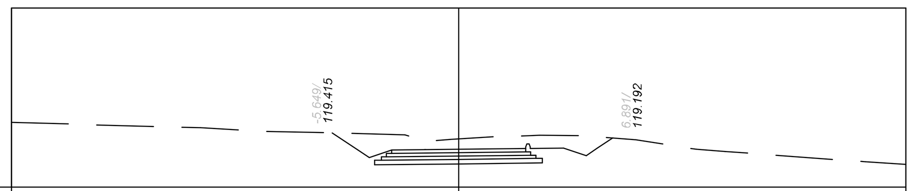
FILL AREA : 0.000m²
CUT AREA : 8.343m²
DATUM = 116



FINISHED		117.735	117.399	117.729	117.873	118.088	118.082	
GROUND	118.941	119.243		118.740	118.382	118.365	118.710	117.575
OFFSET	-15.000	-4.533	-4.029	-3.022	0.000	3.001	6.203	15.000

CHAINAGE 2600
V.SCALE 1:200
H.SCALE 1:200

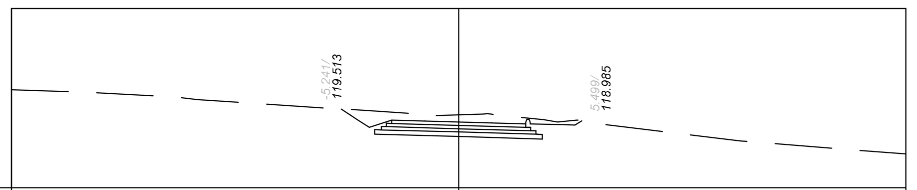
FILL AREA : 0.000m²
CUT AREA : 7.097m²
DATUM = 117



FINISHED		118.649	118.319	118.649	118.683	118.798	118.732	
GROUND	119.746	119.398		119.360	119.148	119.311	119.299	118.360
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 2580
V.SCALE 1:200
H.SCALE 1:200

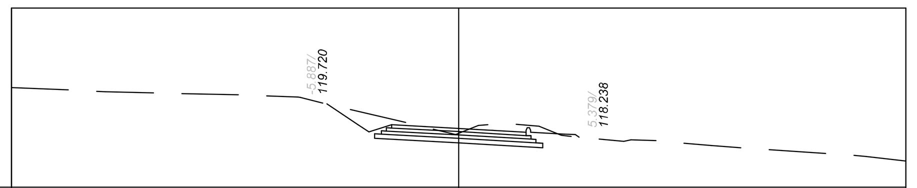
FILL AREA : 0.000m²
CUT AREA : 3.402m²
DATUM = 116



FINISHED		119.020	118.690	119.020	118.935	118.889	118.792	
GROUND	120.177	119.498		119.399	119.258	119.070	118.992	117.894
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.002	5.209	15.000

CHAINAGE 2560
V.SCALE 1:200
H.SCALE 1:200

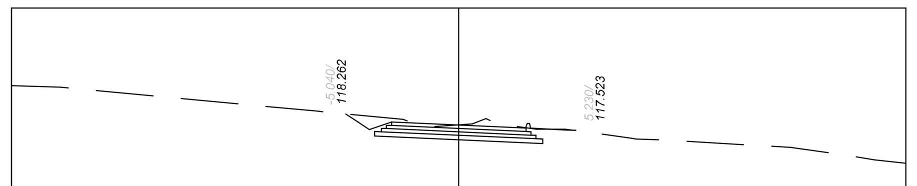
FILL AREA : 0.366m²
CUT AREA : 2.340m²
DATUM = 116



FINISHED		118.797	118.467	118.797	118.628	118.453	118.342	
GROUND	120.249	119.510		119.154	118.407	118.737	118.274	117.602
OFFSET	-15.000	-4.505	-4.005	-3.003	0.000	3.013	5.223	15.000

CHAINAGE 2540
V.SCALE 1:200
H.SCALE 1:200

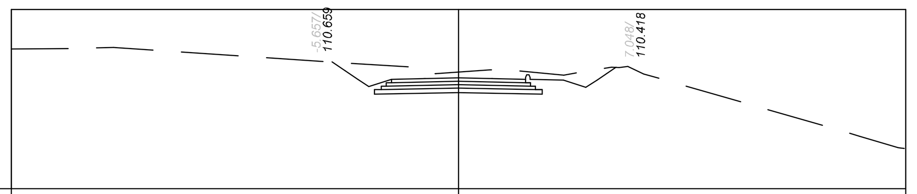
FILL AREA : 0.195m²
CUT AREA : 1.209m²
DATUM = 115



FINISHED		117.902	117.569	117.899	117.763	117.604	117.532	
GROUND	119.202	118.259		118.115	117.772	117.580	117.554	116.748
OFFSET	-15.000	-4.501	-4.001	-3.001	0.000	3.010	5.217	15.000

CHAINAGE 2760
V.SCALE 1:200
H.SCALE 1:200

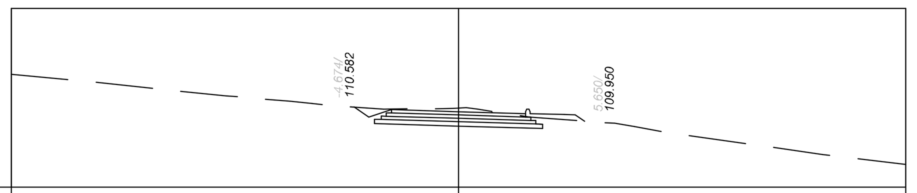
FILL AREA : 0.000m²
CUT AREA : 5.201m²
DATUM = 105



FINISHED		109.888	109.558	109.888	109.946	109.956	109.853	
GROUND	111.271	110.616		110.518	110.206	110.190	110.121	108.195
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	6.200	15.000

CHAINAGE 2740
V.SCALE 1:200
H.SCALE 1:200

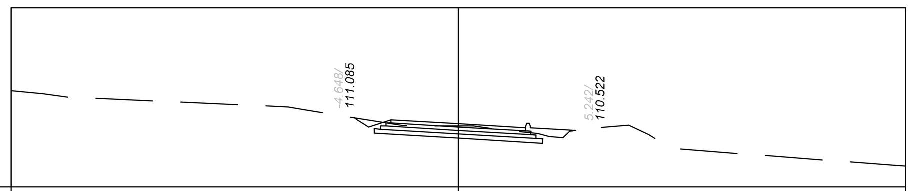
FILL AREA : 0.614m²
CUT AREA : 0.812m²
DATUM = 107



FINISHED		110.466	110.134	110.464	110.376	110.280	110.232	
GROUND	111.558	110.605		110.500	110.529	110.103	109.996	108.642
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.009	5.226	15.000

CHAINAGE 2720
V.SCALE 1:200
H.SCALE 1:200

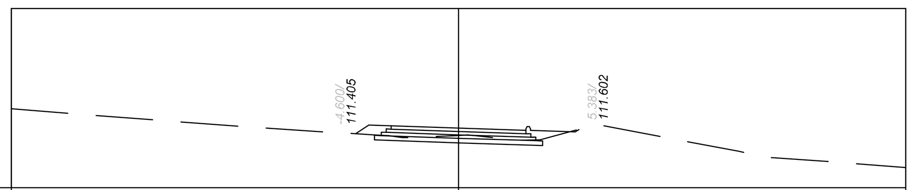
FILL AREA : 1.546m²
CUT AREA : 0.204m²
DATUM = 108



FINISHED		110.998	110.668	110.998	110.819	110.645	110.523	
GROUND	111.896	111.140		110.904	110.715	110.387	110.488	109.299
OFFSET	-15.000	-4.517	-4.015	-3.012	0.000	3.023	5.240	15.000

CHAINAGE 2700
V.SCALE 1:200
H.SCALE 1:200

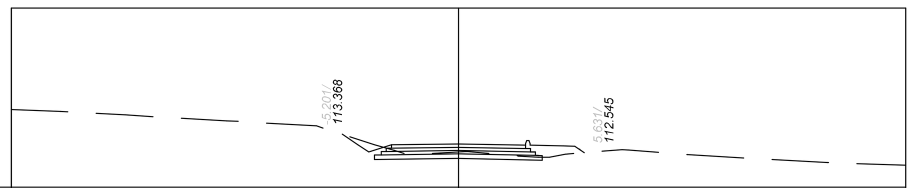
FILL AREA : 3.547m²
CUT AREA : 0.011m²
DATUM = 109



FINISHED		111.797	111.763	111.659	111.682	111.499	
GROUND	112.132	111.430	111.340	111.333	111.139	111.501	110.275
OFFSET	-15.000	-4.013	-3.001	0.000	3.016	5.227	15.000

CHAINAGE 2680
V.SCALE 1:200
H.SCALE 1:200

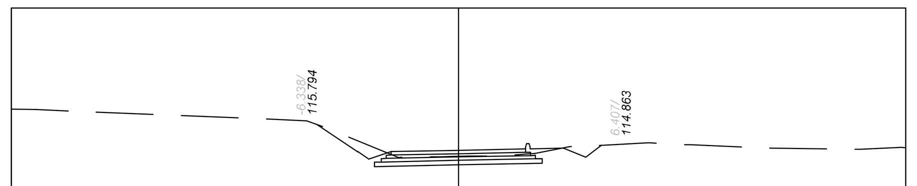
FILL AREA : 3.572m²
CUT AREA : 0.379m²
DATUM = 111



FINISHED		112.900	112.570	112.900	112.932	112.872	112.832	
GROUND	114.231	113.303		112.824	112.571	112.336	112.495	112.179
OFFSET	-15.000	-4.500	-4.000	-3.000	0.000	3.000	5.200	15.000

CHAINAGE 2660
V.SCALE 1:200
H.SCALE 1:200

FILL AREA : 1.865m²
CUT AREA : 1.457m²
DATUM = 113



FINISHED		114.573	114.245	114.575	114.638	114.686	114.724	
GROUND	116.301	115.273		114.660	114.362	114.516	114.799	114.723
OFFSET	-15.000	-4.502	-4.002	-3.002	0.000	3.000	6.200	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 2300 to 2760

SHEET : 6 OF XXX

Scale
H - 1:200
V - 1:200

Plan No. :-
C PLAN NO.

C PLAN NO.2