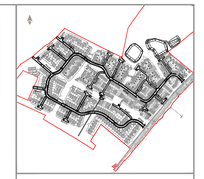
DESIGN LEVELS NEED TO BE REVIEWED UPON COMPLETION OF AS-BUILT SURVEY OF ADVANCED INFRASTRUCTURE

UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED BY THE RELEVENT LOCAL AUTHORITIES AND STATUTORY UNDERTAKER, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS FOR APPROVAL AND NOT FOR CONSTRUCTION.

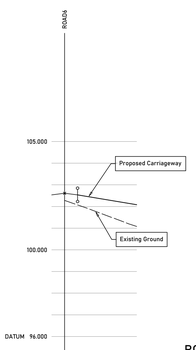
ANY WORKS TO COMMENCE PRIOR TO APPROVAL BEING GIVEN, IS AT THE CLIENT'S RISK.



NOTES:

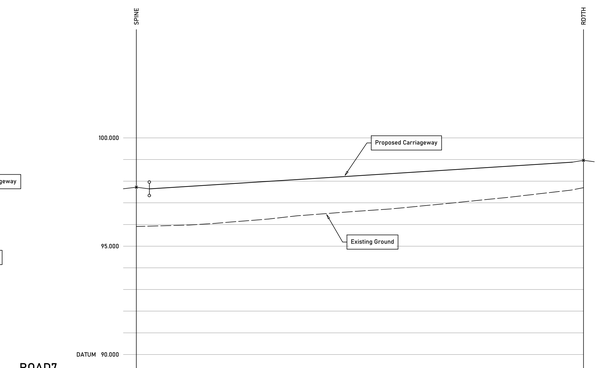
1. Do not scale this drawing.
2. This drawing is to be read in conjunction with all other relevant engineers, architects and specialist design drawings and details.
3. All dimensions are in metres unless noted otherwise. all levels are in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.
5. The contractor shall establish exact levels of the existing foul and surface water sewers, and/or proposed level at discharge point, prior to the commencement of any drainage works.
6. The contractor must ensure that the gradients indicated on the longitudinal sections are cleared between the levels shown, prior to laying pipes. At no times must the contractor proceed with pipe laying by dialling the gradient shown into a laser without checking. Any discrepancy in this respect must be reported to the engineer prior to pipe laying.
7. The contractor shall check his pipe gradients by means of profiles and traveller to verify the laser gradients.
8. In the event of the above procedures not being followed, the client will accept no responsibility whatsoever for any consequential loss or damage.
9. The contractor is responsible for ensuring that all works are to the satisfaction of the engineer and shall be deemed to have included within his rates for any necessary testing.
10. All pipes shall be laid with soffits level, unless otherwise specified.
11. For highway and drainage layout refer to drawing no. 21-011_02_01.

ALL WORKS TO BE UNDERTAKEN SHALL BE IN ACCORDANCE WITH THE DERBYSHIRE HIGHWAYS DESIGN GUIDE, DCC STANDARD DRAWINGS/SPECIFICATIONS AND TO THE SATISFACTION OF THE DCC HIGHWAYS INSPECTOR



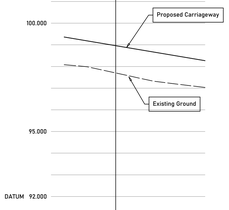
RD6TH

CHAINAGE	0.000	3.000	10.000	16.425
EXISTING GROUND LEVEL	102.281		101.561	101.078
ALIGNMENT LEVEL		102.536	102.383	102.083
VERTICAL ALIGNMENT	G= -3.330% L= 30.0			
HORIZONTAL ALIGNMENT				



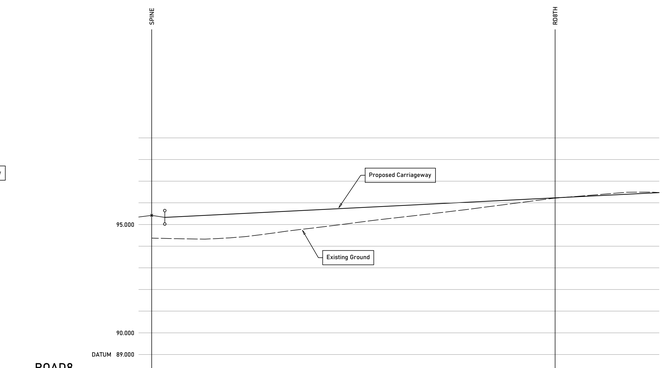
ROAD7

CHAINAGE	0.000	3.000	10.000	15.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	102.124
EXISTING GROUND LEVEL	95.909		95.963		94.084	94.245	94.444	94.599	94.714	94.937	97.137	97.350	97.580	97.702
ALIGNMENT LEVEL	97.447	97.735	97.861	97.987	98.113	98.239	98.365	98.491	98.617	98.743	98.869	98.995	99.121	99.184
VERTICAL ALIGNMENT	G= 1.299% L= 79.4													
HORIZONTAL ALIGNMENT														



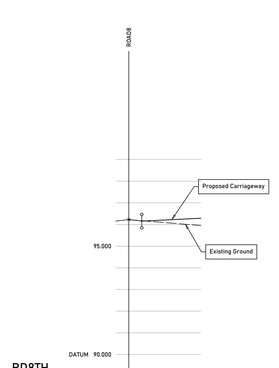
RD7TH

CHAINAGE	0.000	10.000	11.890	20.000	30.000
EXISTING GROUND LEVEL	98.884	97.784	97.548	97.292	97.020
ALIGNMENT LEVEL	99.340	99.074	98.988	98.352	98.046
VERTICAL ALIGNMENT	G= -3.360% L= -29.8				
HORIZONTAL ALIGNMENT					



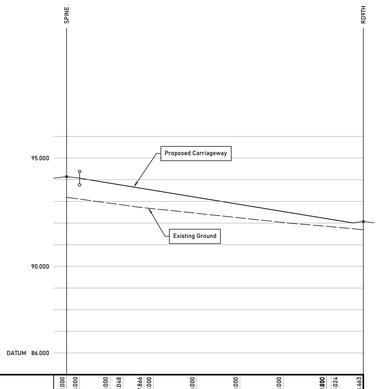
ROAD8

CHAINAGE	0.000	3.024	10.000	12.268	20.000	24.845	30.000	40.000	50.000	60.000	70.000	80.000	90.000	93.084	100.000	110.000	117.083
EXISTING GROUND LEVEL	96.372		96.332		96.435		96.661	96.905	97.160	97.393	97.628	97.882	98.141		98.330	98.488	98.674
ALIGNMENT LEVEL	95.330		95.600		95.600		95.600	95.700	95.800	95.900	96.000	96.100	96.200		96.300	96.400	96.471
VERTICAL ALIGNMENT	G= 1.000% L= 100.0																
HORIZONTAL ALIGNMENT				R= 21.625													



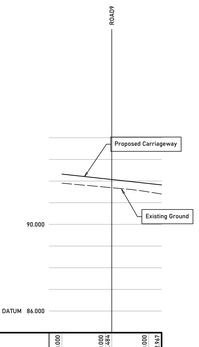
RD8TH

CHAINAGE	0.000	3.000	10.000	16.425
EXISTING GROUND LEVEL	96.296		96.061	95.952
ALIGNMENT LEVEL	96.196		96.266	96.292
VERTICAL ALIGNMENT	G= 1.000% L= 100.0			
HORIZONTAL ALIGNMENT				



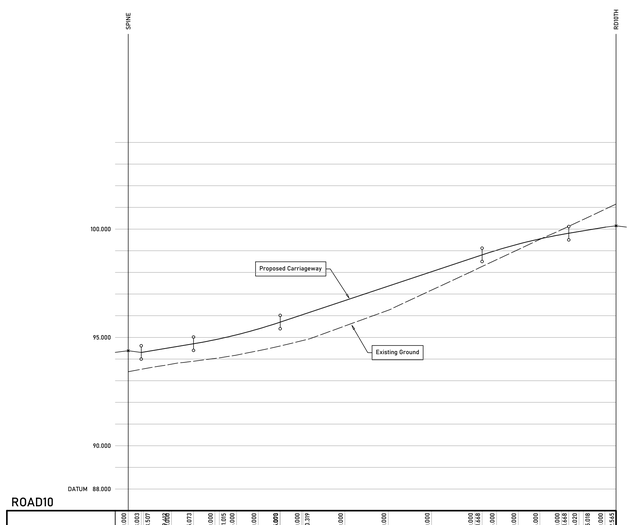
ROAD9

CHAINAGE	0.000	3.000	10.000	13.848	17.866	20.000	30.000	40.000	50.000	60.000	61.034	68.443
EXISTING GROUND LEVEL	93.389		92.977		92.443		92.430	92.238	92.036	91.848		91.693
ALIGNMENT LEVEL	94.070	93.841	93.553	93.386		92.858		92.531		92.203	92.058	
VERTICAL ALIGNMENT	G= -3.275% L= -30.5											
HORIZONTAL ALIGNMENT			R= 40.000							R= 20.000		



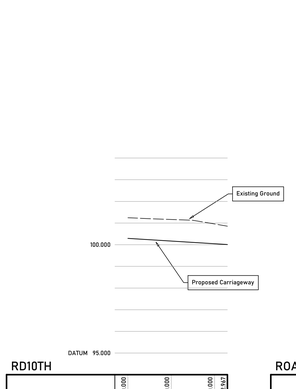
RD9TH

CHAINAGE	0.000	10.000 10.000	20.000	22.947
EXISTING GROUND LEVEL	91.932	91.720	91.498	91.401
ALIGNMENT LEVEL	92.231	92.053	91.885	91.820
VERTICAL ALIGNMENT	G= -2.181% L= -45.9			
HORIZONTAL ALIGNMENT				



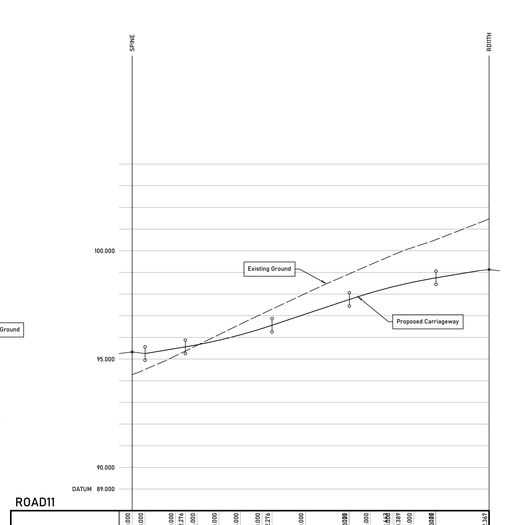
ROAD10

CHAINAGE	0.000	3.000	3.537	10.000 10.000	15.073	20.000	21.005 21.005	30.000	35.000 35.000	40.000	40.319	50.000	60.000	70.000	80.000 80.000	81.648 81.648	85.000	90.000	95.000	100.000 100.000	101.468 101.468	104.020	105.918	110.000 110.000	112.545
EXISTING GROUND LEVEL	99.413				97.745		96.629		96.381		96.842		96.254		97.183		98.106		99.956			99.914		100.172 100.172	100.153
ALIGNMENT LEVEL		96.304		96.537		96.706		96.891		95.179		95.389		96.033		96.699		97.345		98.031			98.697 98.809		99.221		99.304		99.548		99.750 99.850		100.095 100.095	
VERTICAL ALIGNMENT	G= 3.330% L= 30.0			KF= 6.00401 L= 20.000				G= 6.660% L= 15.0																L= 20.000 KF= -6.00601								G= 3.330% L 30.0		
HORIZONTAL ALIGNMENT		R= 15.000						R= 17.600																								R= 15.000		



RD10TH

CHAINAGE	0.000	10.000	20.000 20.000	23.743
EXISTING GROUND LEVEL	101.247	101.144	100.958	100.956
ALIGNMENT LEVEL	100.296	100.169	100.044	100.007
VERTICAL ALIGNMENT	G= -1.250% L= -80.0			
HORIZONTAL ALIGNMENT				



ROAD11

CHAINAGE	0.000	3.000	10.000 10.000	17.276 17.276	20.000 20.000	25.000 25.000	30.000 30.000	33.276 33.276	40.000 40.000	50.000 50.000	55.000 55.000	58.268 58.268	60.000 60.000	65.000 65.000	70.000 70.000	72.247
EXISTING GROUND LEVEL	96.284		95.147		94.123		93.068		98.077		98.935		99.787		100.595	101.281 101.474
ALIGNMENT LEVEL	95.253		95.486 95.542	95.659	95.869	96.121	96.543		97.076		97.762 97.762	98.055	98.327	98.577	98.762 98.762	99.077
VERTICAL ALIGNMENT	G= 3.330% L= 30.0			KF= 6.00401 L= 20.000			G= 6.660% L= 15.0			L= 20.000 KF= -6.00601			G= 3.330% L= 30.0			
HORIZONTAL ALIGNMENT													R= 20.000			

REV	AMENDMENTS	DRN|CHK	DATE
B	Road 3 and 4 vertical design amended	MA | KA	17.09.24
A	Highway design updated to reflect new layout due to RPA	MA | KA	13.02.24
-	First Issue	KA | MA	12.02.24

PROJECT NAME:
Radbourne Lane
Mackworth

CLIENT NAME:
Miller Homes
Redrow Homes East Midlands Ltd

DRAWING TITLE:
Road and Sewer
Longitudinal Sections
Sheet 5 of 7

DRAWING NUMBER: 21-011_02_05.5
CURRENT REVISION: B
SHEET SIZE: A0
DRAWING SCALE: H 1:500 V 1:100

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