



The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided. This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminants on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert. Where existing trees / structures are to be retained they should be subject to a full specialist inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

Residential & Commercial Engineering Limited do not accept any responsibility for any losses (financial or otherwise) to any Client or third party arising out of the Clients (be it Developer or Contractor but not limited thereto) non-compliance with afore mentioned provisos.

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PLANNING DESIGN

THIS DRAWING ILLUSTRATES A SKETCH PROPOSAL ONLY AND AS SUCH IS SUBJECT TO DETAILED SITE INVESTIGATION INCLUDING GROUND CONDITIONS/CONTAMINANTS, DRAINAGE, DESIGN AND PLANNING/DENSITY NEGOTIATIONS. THE LAYOUT MAY BE BASED UPON AN ENLARGEMENT OF AN OS SHEET OR OTHER SMALL SCALE PLANS AND ITS ACCURACY WILL NEED TO BE VERIFIED BY SURVEY. FULL RISK ANALYSIS UNDER CDM REGULATIONS HAS NOT BEEN UNDERTAKEN.

***VISIBILITY SPLAY INDICATED AS FOLLOWS**

Speed control band, design speed of road is 20mph, horizontal curvature of road allows for 10% reduction in speed from 50th percentile (using $V = 10 \sqrt{170 - 200/p}$) to threshold reduced to 16.2mph. Longitudinal gradient of road is 2.5%, therefore SSD = 20.4m (using $V = \sqrt{10 \cdot (20.4 + 0.1 \cdot x)}$)

Stopping sight distance (SSD) = $V \cdot t + \frac{V^2}{2a}$ (ft)

where
V = speed (m/s)
t = reaction time (seconds)
a = deceleration (m/s²)
g = longitudinal gradient (%) (+ for upgrades and - for downgrades)

SITE SPECIFIC

recorded speed (V) = 16.2 mph
SSD = 20.4 m
SSD = 20.4 m
SSD = 20.4 m

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																				
Highway Code	0	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000
SSD (m)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	1000	

3	Scale-bar added at request of LPA	15.05.26	REH	#
2	Drawing updated with approved streetlighting placement received 13.05.26	13.05.26	CJ	REH
1	Drawing updated with the latest layout. Streetlight opposite plot 63 relocated, as per client request, drawing also amended as per client comments received 27.04.26	28.04.26	RG	#

Rev	Description	Date	Drawn	Check
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Revisions:

millerhomes

RACE

RESIDENTIAL & COMMERCIAL ENGINEERING

Drawing Status:
FOR PLANNING.

Client:
MILLER HOMES SOUTH WEST

Project:
ROYAL WOOTTEN BASSETT

Title:
SECTION 38 & STREETLIGHT PLAN

Job Number.
RACE/MHSW/RWB

Drawing No.
ENG_005

Revision. 3

Scale: 1:500 @ A1

Date: APR '26

Drawn by: CJ

Checked by: AJ

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KEY

Areas to be offered for adoption.

Site boundary.

Streetlighting

Junction Vis-Splay

Forward Vis-Splay