

USE FIGURED DIMENSIONS ONLY

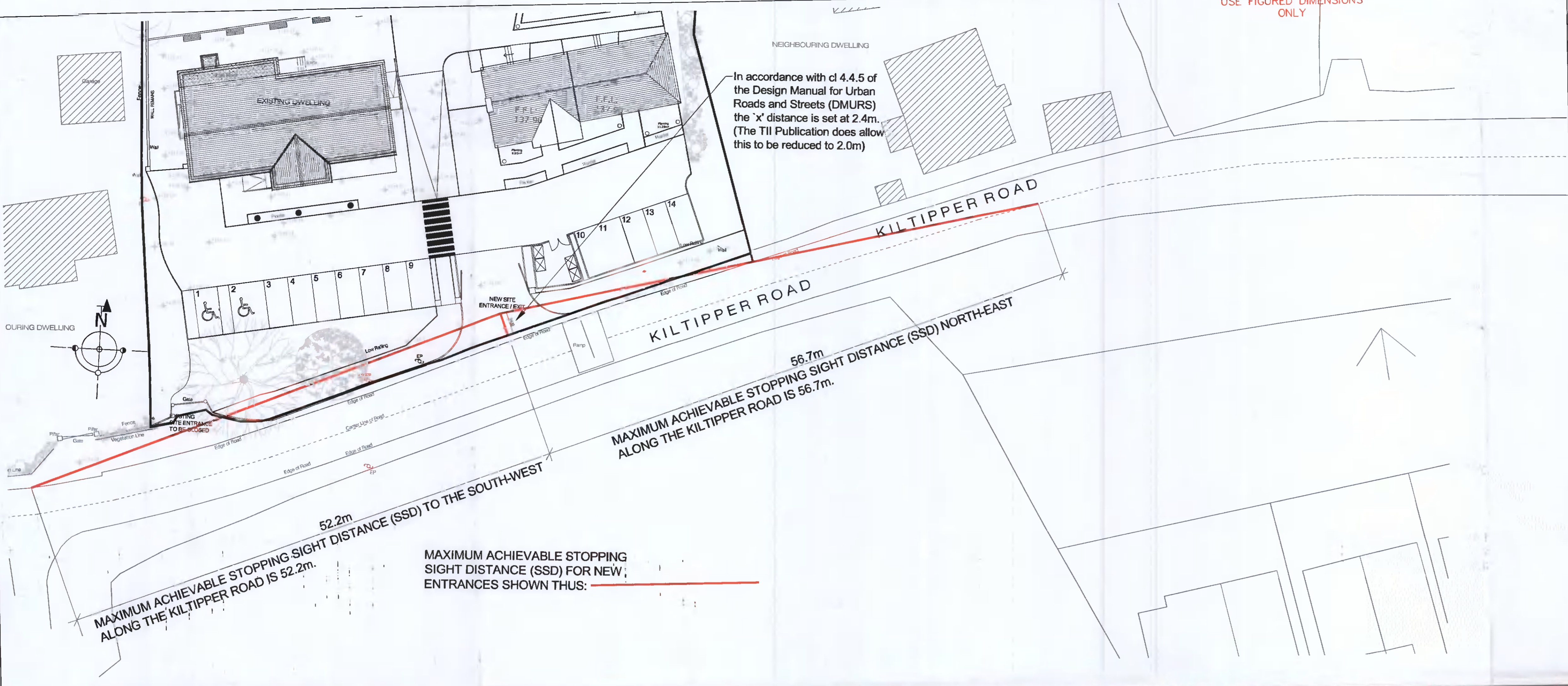
ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE. ANY ERRORS OR DISCREPANCIES TO BE REPORTED TO THE ENGINEER IN CHARGE.

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.

SIGHTLINES: - Refer Section 3 of Accompanying Report

- In accordance with cl 4.1.1 and table 4.1 of the Design Manual for Urban Roads (DMUR) and Streets the design speed of the Kiltipper road (a local road on the rural fringe) is 60km/h.
- The request for additional information notes that the character of this stretch of road is changing, and will soon accommodated buses.
- Table 4.2 indicates a S.S.D. distance of 65m (red square on table 4.2 below) for a design speed of 60km/h road on a bus route. This is greater than the achievable SSDs of 52.2m and 56.7m illustrated.
- As noted by SDCC Roads Division (during recent discussion the required SSD for an entrance can be reduced based on the 85<sup>th</sup> percentile of speed along the road.
- The maximum 85<sup>th</sup> percentile of speed recorded during the survey along the road was 39.2 km/h. Therefore, according to Table 4.2 in section 4.4.4. of the DUMRS the required SSD for a design speed of 40km/h is 36m This is less than the achievable SSDs of 52.2m and 56.7m illustrated.
- Similarly in accordance with cl 5.6.3.2 and table 5.5 of with the TII Publication DN-GEO-03060: Geometric Design of Junctions (Priority Junctions, Direct Accesses, Roundabouts, Grade Separated and Compact Grade Separated Junctions). (June 2017) a S.S.D distance of 90m is required for a road with a design speed of 60km/h.
- This is greater than the achievable SSDs of 52.2m and 56.7m illustrated.
- The maximum 85<sup>th</sup> percentile of speed recorded during the survey along the road was 39.2 km/h. Therefore, according to table 5.5 of with the TII Publication DN-GEO-03060: the required SSD for a design speed of 42km/h is 50m. This is less than the achievable SSDs of 52.2m and 56.7m illustrated.



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PL4	13/05/22	REVISED AND ISSUED FOR PLANNING (AI)	C.W.	N.I.
PL3	23/02/22	ISSUED FOR PLANNING (AI)	C.W.	N.I.
PL2	21/10/21	ISSUED FOR PLANNING	C.W.	N.I.
PL1	15/10/21	ISSUED FOR INFORMATION	C.W.	N.I.

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PLANNING

Project Name: KILTIPPER ROAD  
 Drawing Title: NEW ENTRANCE / EXIT STOPPING SIGHT DISTANCE (SSD)  
 Architect: FITZGERALD KAVANAGH  
 Client: PMVT

Drawn: LOB  
 Checked: NI  
 Approved: NI  
 Scale: 1:200 @ A1

FIRE, CIVIL & STRUCTURAL CONSULTING ENGINEERS  
 REAR 66 ARBOURFIELD TERRACE,  
 CLONDUBH BUSINESS PARK, DUBLIN 14  
 TEL: 01 296 2566  
 INFO@MCRAEENGINEERS.COM  
 WWW.MCRAEENGINEERS.COM

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