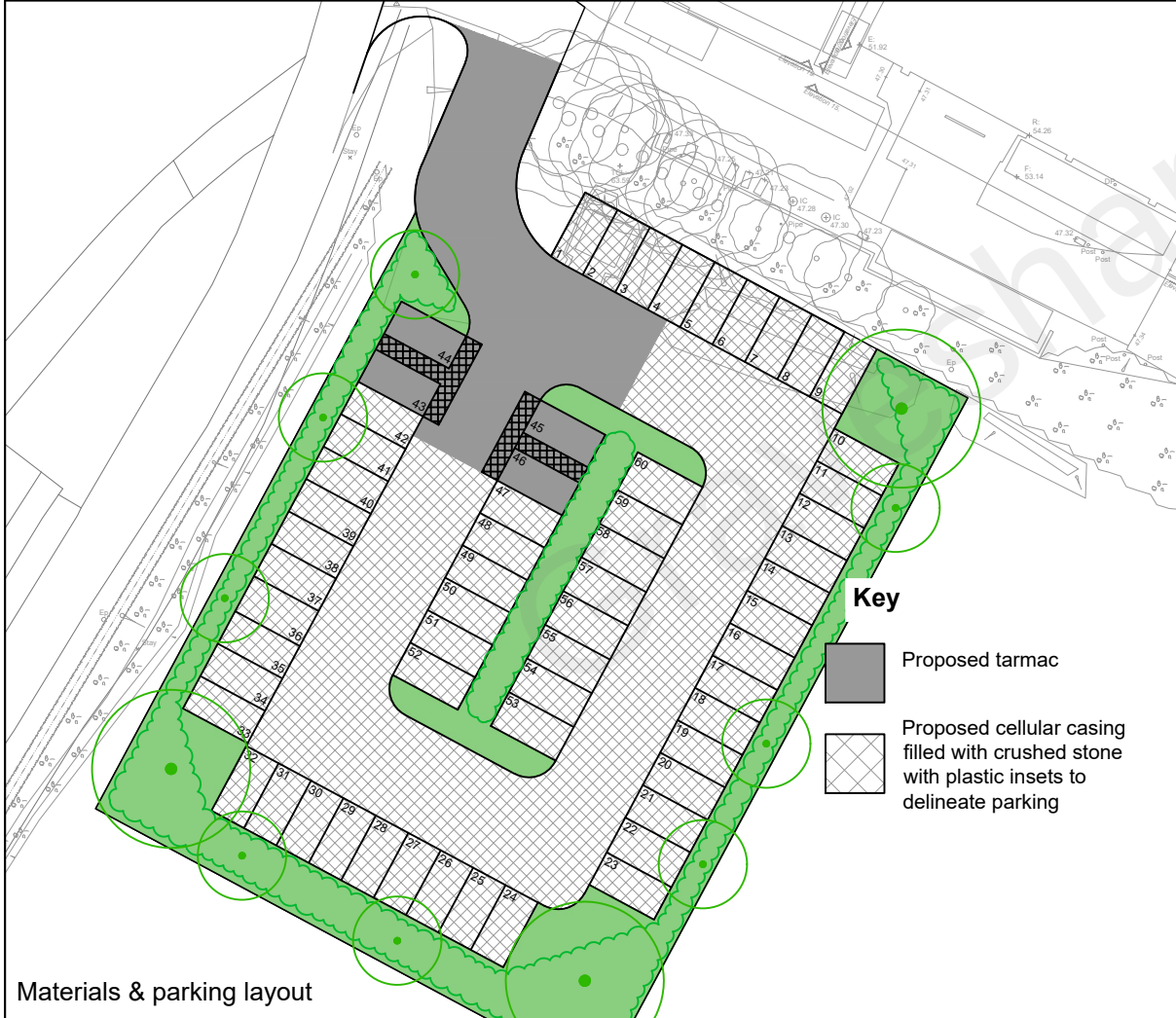
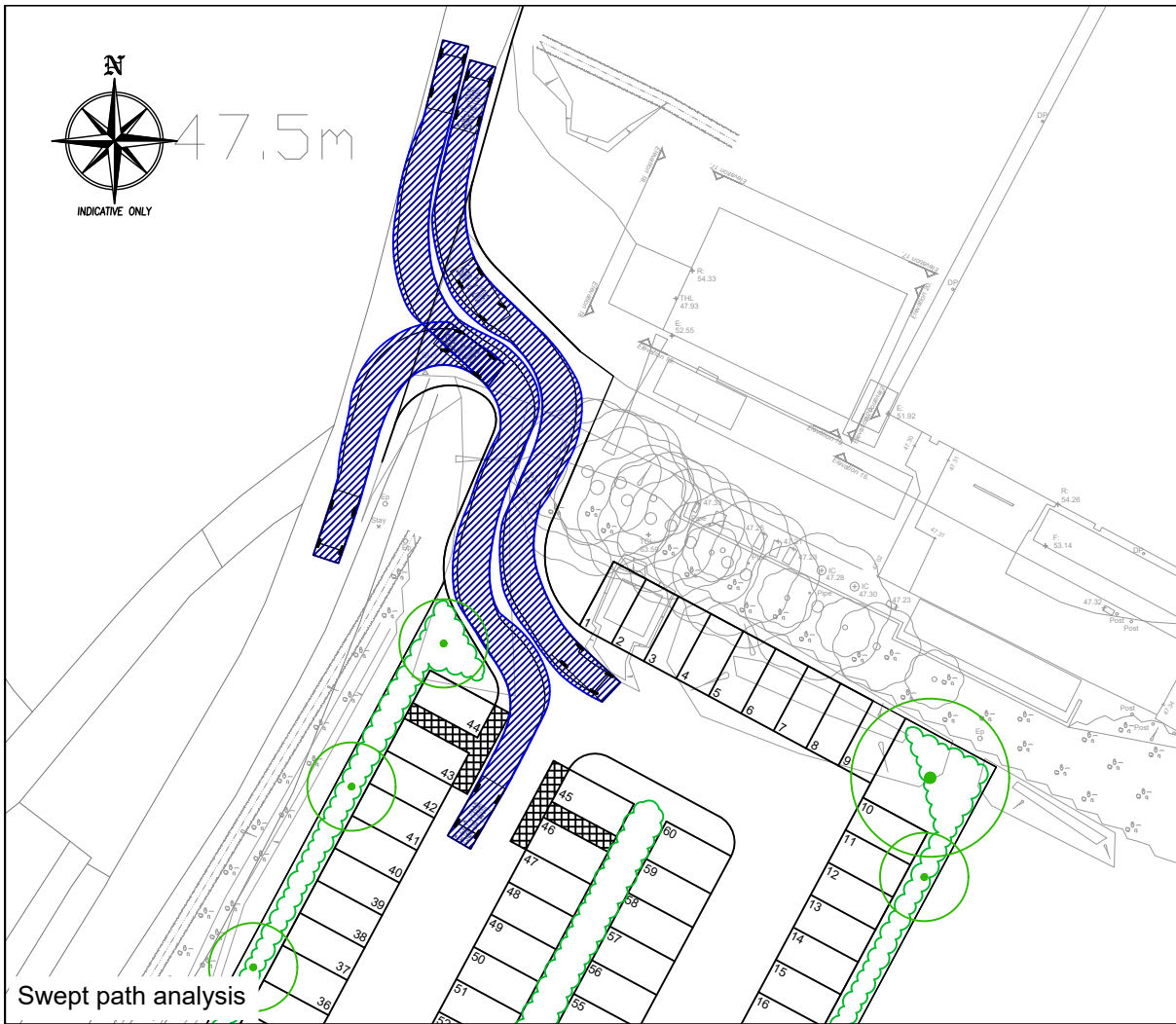
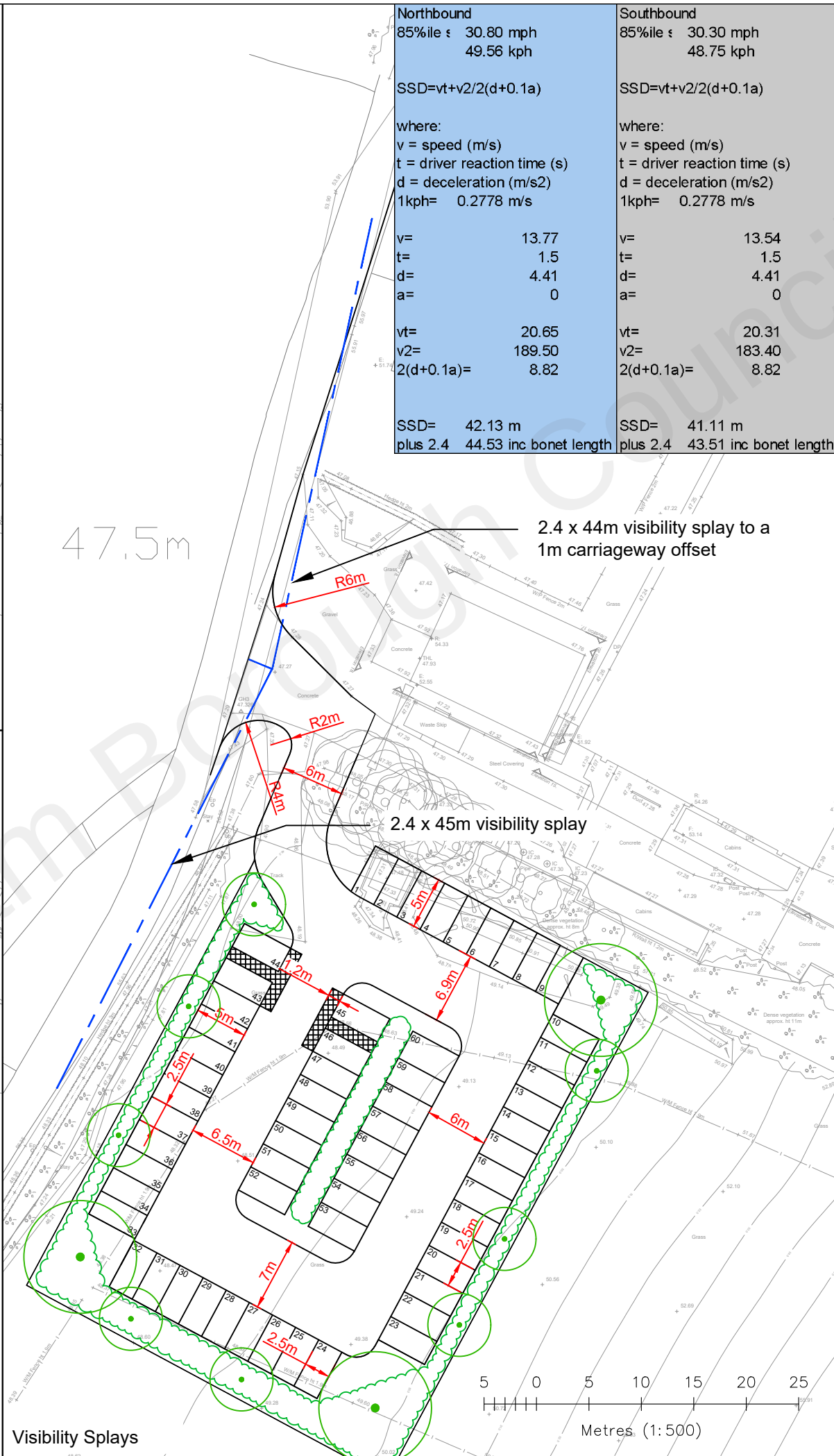


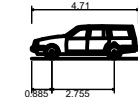


Northbound	Southbound
85%ile : 30.80 mph 49.56 kph	85%ile : 30.30 mph 48.75 kph
$SSD=vt+vt^2/2(d+0.1a)$	$SSD=vt+vt^2/2(d+0.1a)$
where: v = speed (m/s) t = driver reaction time (s) d = deceleration (m/s ²) 1kph= 0.2778 m/s	where: v = speed (m/s) t = driver reaction time (s) d = deceleration (m/s ²) 1kph= 0.2778 m/s
v= 13.77 t= 1.5 d= 4.41 a= 0	v= 13.54 t= 1.5 d= 4.41 a= 0
vt= 20.65 v ² = 189.50 2(d+0.1a)= 8.82	vt= 20.31 v ² = 183.40 2(d+0.1a)= 8.82
SSD= 42.13 m plus 2.4 44.53 inc bonet length	SSD= 41.11 m plus 2.4 43.51 inc bonet length



DO NOT SCALE

- Notes:
 - This drawing has been prepared in accordance with the scope of DHA's appointment with its client and is subject to the terms and conditions of that appointment. DHA accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
 - If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
 - Where applicable Ordnance Survey (c) Crown Copyright 2022 All rights reserved. Licence Number 100031961.
 - Drawing is based on OS data and a topographical survey.
 - Visibility splays have been based on a week long ATC Survey carried out for the week commencing 3rd of December 2022 by K&M Traffic Surveys Ltd. The survey has recorded 85th percentile speeds of 30.8mph and 30.3mph for northbound and southbound traffic respectively. These speeds have been used within the calculations set out in Manual for Streets 2 to determine the required visibility splays at the access point.



Estate Car (2006)	
Overall Length	4.710m
Overall Width	1.804m
Overall Body Height	1.442m
Min Body Ground Clearance	0.207m
Max Track Width	1.756m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.950m

P2	21.02.23	JM	Updated Material	CS	CS
P1	17.02.23	MM	First Issue	JM	CS
REV	DATE	BY	DESCRIPTION	CHK	APD

client

VINEYARD FARMS LTD

project

BROOKER FARM, LUDDESDOWN

title

PROPOSED ACCESS DESIGN AND PARKING LAYOUT

project 19020		dwg H-01		rev P1
Drawn MM	Checked JM	Approved CS	scale @ A3 1:500	date 17.02.23
status FOR INFORMATION				P



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CAD Reference:	A3
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