

TECHNICAL NOTE

03 March 2018

New Road and Access Junction , Tyne Hill Barn, Sibford Road, Sibford Gower, Oxfordshire

Site access Investigation

Mark Ralph - Matrix

Introduction

Matrix has been instructed to provide a detailed drawing to demonstrate the location of a proposed safe and appropriate new junction on the Sibford Road to access land at Tyne Hill Barn. Due to the de-restricted 60mph speed limit of Sibford Road a key issue in relation to the access is provision of appropriate visibility splays to satisfy local authority under TD42/95 Volume 6 Section 2. The access drawing and associated visibility splays are shown on Drawing OX5019-001/A attached to this technical note.

1. The location for the new road at Tyne Hill Barn site was located for the optimum visibility in terms of safety creating a junction on Sibford Road.
2. The legal speed limit of the road is 60mph.
3. A speed survey was completed on 5th December 2017. This determined the 85th %ile speed for both the northbound and southbound vehicles approaching the proposed access road location. Details of the speed survey are attached to this technical note.
 - The northbound 85th %ile speed was calculated to be 37.5mph.
 - The southbound 85th %ile speed was calculated to be 38.5mph.
4. Based on the above speeds the visibility splays to satisfy TD42/95 Volume 6 section 2 (Chapter 7, clause 7.3) were set at:
 - 90 metres for northbound and
 - 120 metres for southbound.
5. A standard set-back from edge of carriageway of 2.4 metres was used to simulate driver positioning of vehicle at the give way line which is in accordance with TD42/95.

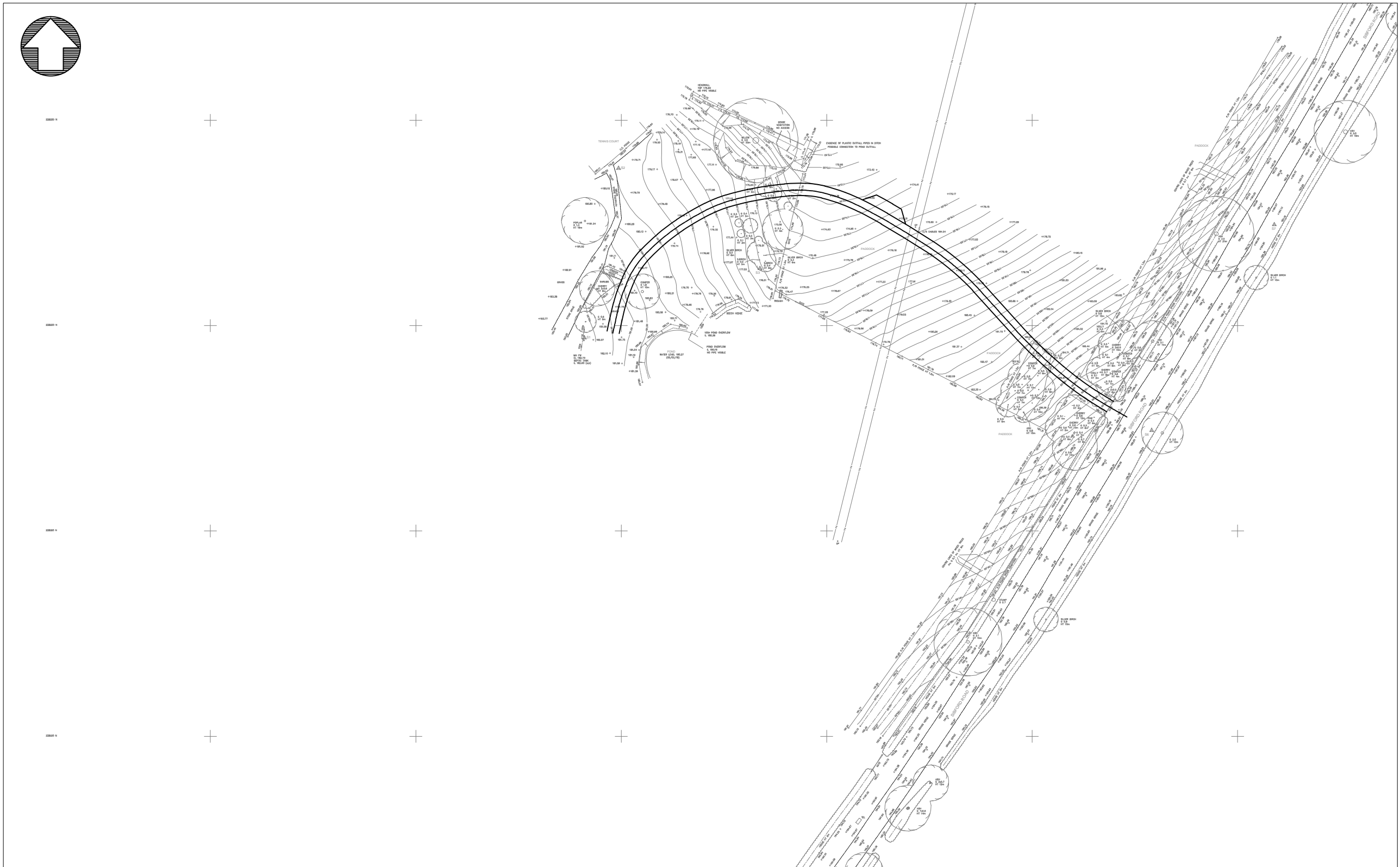
6 A topographical survey drawing was obtained and the access road location and visibility splays were drafted.

Conclusion

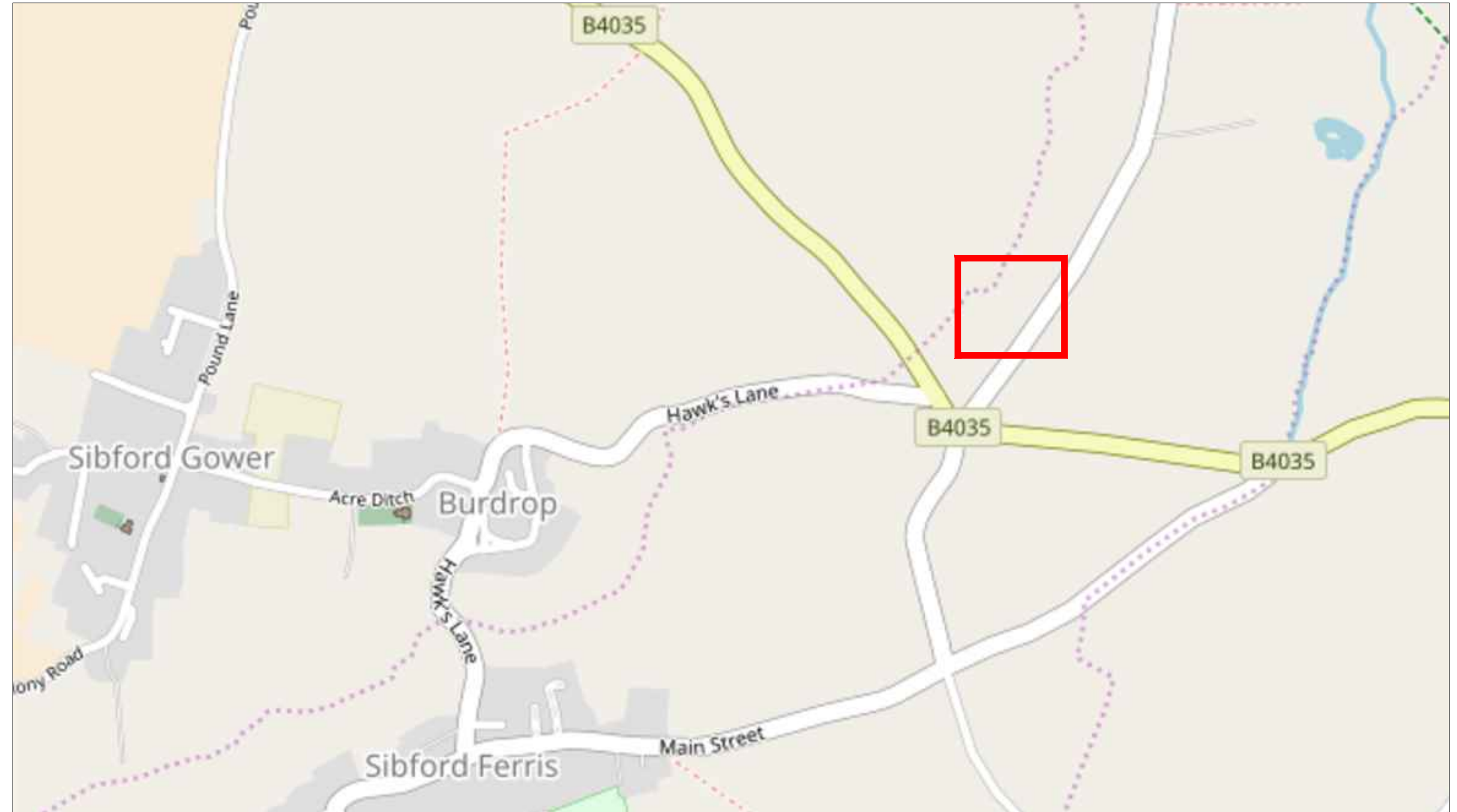
The results show that visibility is acceptable to TD42/95 if the canopies of two large trees (one north, one south of location) are trimmed to allow through visibility.

It is also recommended that the hedgerow and trees adjacent to the proposed new access junction are trimmed to allow clear visibility on approach to Sibford Road.

The location of the new access junction will satisfy the safety requirements under TD42/95 for visibility of oncoming vehicles travelling at speeds up to the observed 85 %ile.

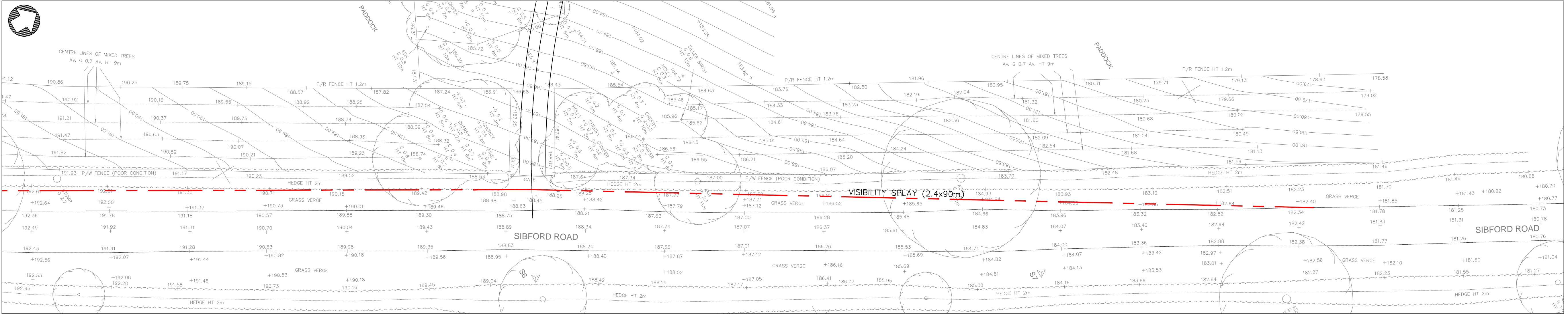


PLAN
1:1000

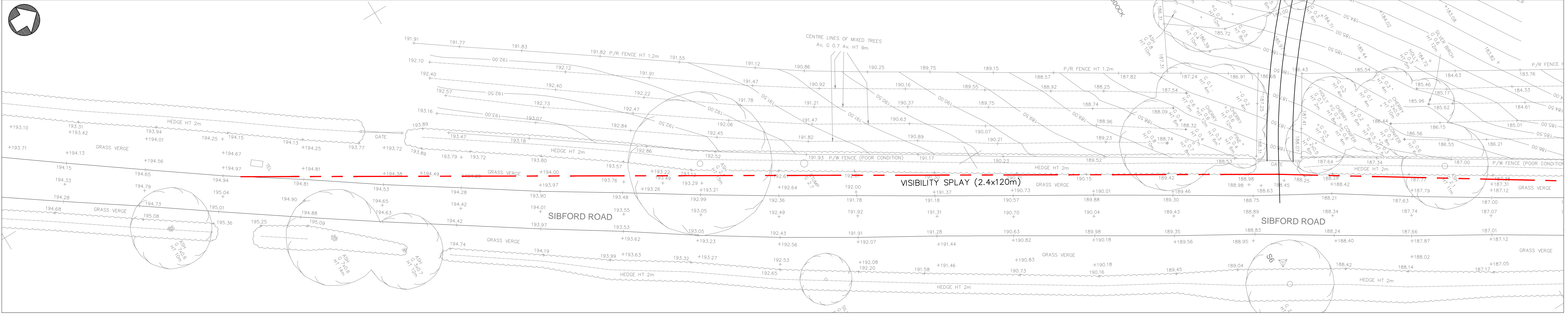


SITE LOCATION

Key
 — Indicative access location
 - - - Visibility splay



VISIBILITY SPY NORTHBOUND (2.4x90m)
1:250



VISIBILITY SPY SOUTHBOUND (2.4x120m)
1:250

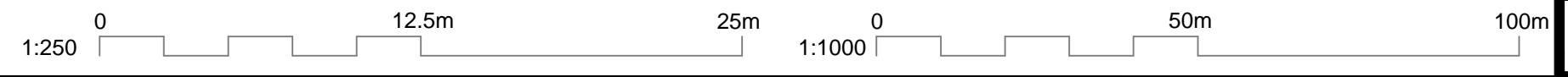
REVISED TO ARCHITECTS	BS	MR	MR
LAYOUT	BS	CK	DB
TOPO. SURVEY ADDED	DR	CH	PA
DRAWN BY	CHECKED BY	PASSED BY	DATE
AS	MRR	MRR	15/01/17
SCALES @ AT SIZE		ISSUE STATUS	
AS SHOWN		DRAFT	

**NEW ROAD,
TYNE HILL BARN,
SIBFORD ROAD,
SIBFORD GOWER**

**VISIBILITY SPY
ANALYSIS**

NEIL & JULIE DANIELLS

Matrix
 CONSULTANTS
 DRAWING NUMBER OX5019-1M-001
 REV. B



Sibford Ferris - Speed Survey



Speed Limit



Weather

Tues 5th December 2017

All speeds are recorded from free flowing vehicles

Dry/Cold

1000-1600

Northbound 70m From Proposed Access				Southbound 160m From Proposed Access			
Speeds(mph)		Speeds(mph)		Speeds(mph)		Speeds(mph)	
1	21	51	39	1	19	51	40
2	25	52	39	2	26	52	40
3	29	53	39	3	30	53	40
4	29	54	39	4	30	54	40
5	30	55	39	5	33	55	41
6	31	56	39	6	33	56	41
7	34	57	39	7	34	57	41
8	34	58	39	8	34	58	41
9	34	59	39	9	34	59	41
10	35	60	39	10	34	60	41
11	35	61	40	11	34	61	41
12	35	62	40	12	34	62	41
13	35	63	40	13	35	63	41
14	35	64	40	14	36	64	43
15	35	65	40	15	36	65	43
16	35	66	40	16	36	66	43
17	35	67	40	17	36	67	45
18	35	68	40	18	36	68	
19	35	69	40	19	36	69	
20	36	70	42	20	36	70	
21	36	71	42	21	37	71	
22	36	72	43	22	37	72	
23	36	73		23	37	73	
24	36	74		24	37	74	
25	36	75		25	37	75	
26	36	76		26	38	76	
27	37	77		27	38	77	
28	38	78		28	38	78	
29	38	79		29	38	79	
30	38	80		30	38	80	
31	38	81		31	38	81	
32	38	82		32	38	82	
33	38	83		33	38	83	
34	38	84		34	39	84	
35	38	85		35	39	85	
36	38	86		36	39	86	
37	38	87		37	39	87	
38	38	88		38	39	88	
39	38	89		39	39	89	
40	38	90		40	39	90	
41	38	91		41	39	91	
42	38	92		42	39	92	
43	38	93		43	39	93	
44	38	94		44	40	94	
45	38	95		45	40	95	
46	38	96		46	40	96	
47	38	97		47	40	97	
48	38	98		48	40	98	
49	39	99		49	40	99	
50	39	100		50	40	100	

ROAD SURFACE - DRY

Average Northbound	36.9	Average Southbound	37.7
85th%ile Northbound	40.0	85th%ile Southbound	41.0
% > Speed Limit Northbound	0%	% > Speed Limit Southbound	0%
% > 15mph over Speed Limit Southbound	0%	% > 15mph over Speed Limit Southbound	0%