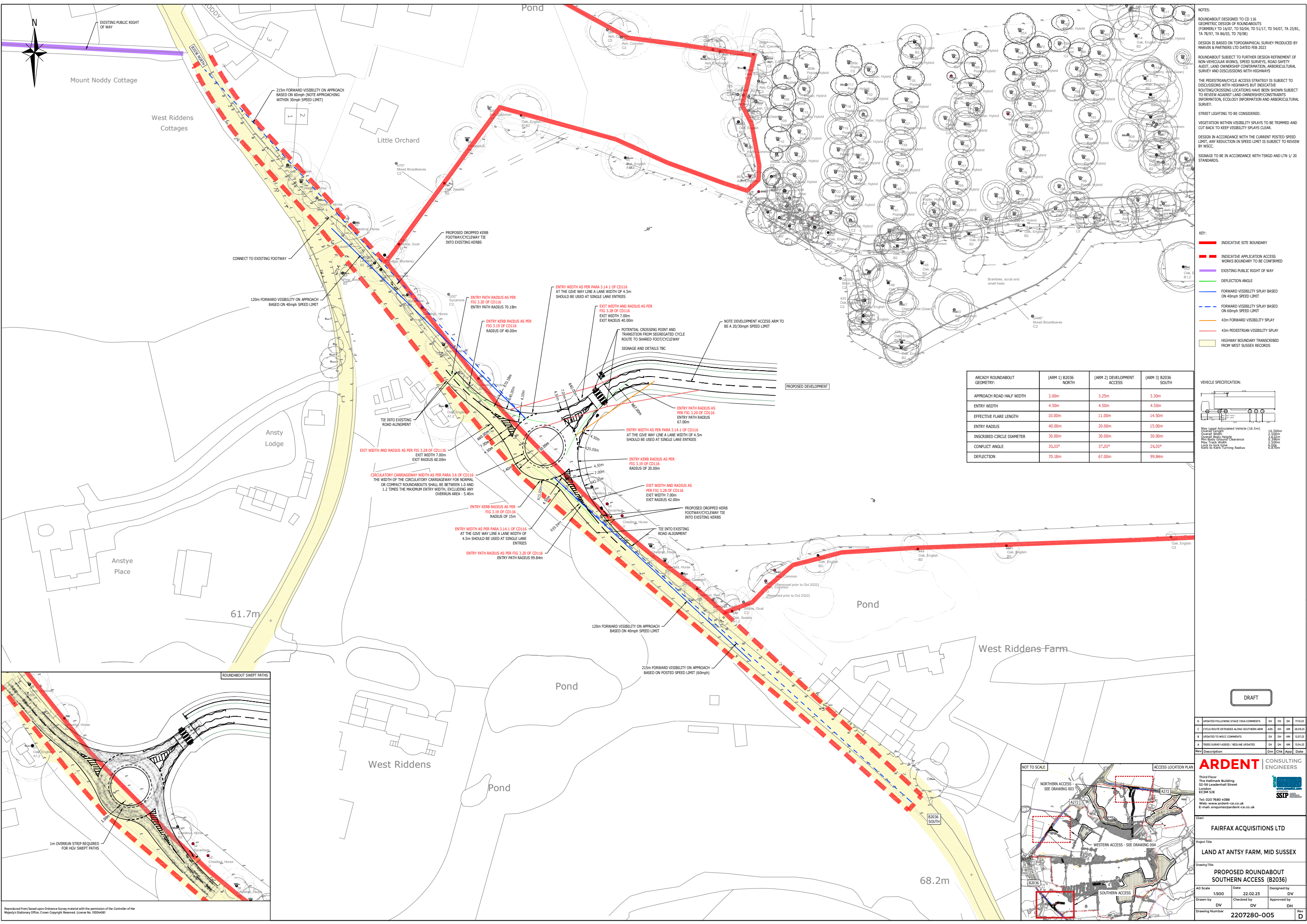




NOTES:

ROUNDABOUT DESIGNED TO CD 116
GEOMETRIC DESIGN OF ROUNDABOUTS
(FORMERLY TO 14/07, TO 50/04, TO 51/17, TO 54/07, TA 23/81,
TA 78/97, TA 86/03, TO 70/08)

DESIGN IS BASED ON TOPOGRAPHICAL SURVEY PRODUCED BY
MARVIN & PARTNERS LTD DATED FEB 2023

ROUNDABOUT SUBJECT TO FURTHER DESIGN REFINEMENT OF
NON-VEHICULAR WORKS, SPEED SURVEYS, ROAD SAFETY
AUDIT, LAND OWNERSHIP CONFIRMATION, ARBORICULTURAL
SURVEY AND DISCUSSIONS WITH HIGHWAYS

THE PEDESTRIAN/CYCLE ACCESS STRATEGY IS SUBJECT TO
DISCUSSIONS WITH HIGHWAYS BUT INDICATIVE
ROUTING/CROSSING LOCATIONS HAVE BEEN SHOWN SUBJECT
TO REVIEW AGAINST LAND OWNERSHIP/CONSTRAINTS
INFORMATION, ECOLOGY INFORMATION AND ARBORICULTURAL
SURVEY

STREET LIGHTING TO BE CONSIDERED.

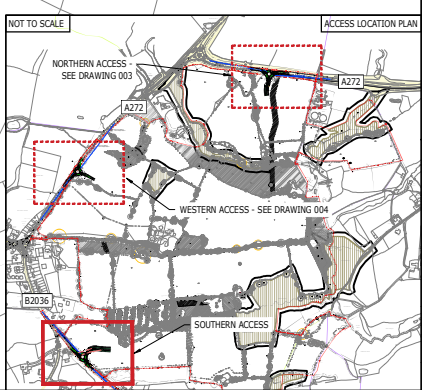
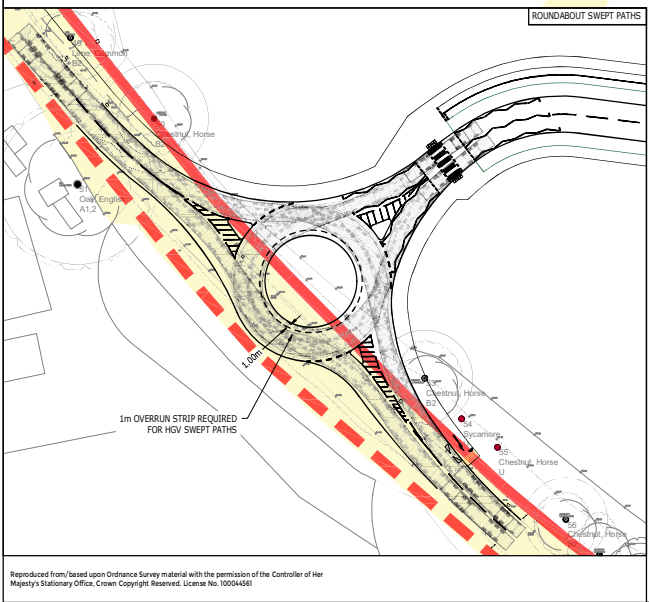
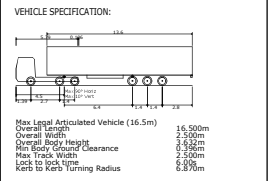
VEGETATION WITHIN VISIBILITY SPLAYS TO BE TRIMMED AND
CUT BACK TO KEEP VISIBILITY SPLAYS CLEAR.

DESIGN IN ACCORDANCE WITH THE CURRENT POSTED SPEED
LIMIT. ANY REDUCTION IN SPEED LIMIT IS SUBJECT TO REVIEW
BY WSCC.

SIGNAGE TO BE IN ACCORDANCE WITH TSRGD AND LTN 1/20
STANDARDS.

- KEY:
- INDICATIVE SITE BOUNDARY
 - INDICATIVE APPLICATION ACCESS WORKS BOUNDARY TO BE CONFIRMED
 - EXISTING PUBLIC RIGHT OF WAY
 - DEFLECTION ANGLE
 - FORWARD VISIBILITY SPREAD BASED ON 40mph SPEED LIMIT
 - FORWARD VISIBILITY SPREAD BASED ON 60mph SPEED LIMIT
 - 43m FORWARD VISIBILITY SPREAD
 - 43m PEDESTRIAN VISIBILITY SPREAD
 - HIGHWAY BOUNDARY TRANSCRIBED FROM WEST SUSSEX RECORDS

ARCADY ROUNDABOUT GEOMETRY:	(ARM 1) B2036 NORTH	(ARM 2) DEVELOPMENT ACCESS	(ARM 3) B2036 SOUTH
APPROACH ROAD HALF WIDTH	3.00m	3.25m	3.30m
ENTRY WIDTH	4.50m	4.50m	4.50m
EFFECTIVE FLARE LENGTH	10.00m	11.00m	14.50m
ENTRY RADIUS	40.00m	20.00m	15.00m
INSCRIBED CIRCLE DIAMETER	30.00m	30.00m	30.00m
CONFLICT ANGLE	35.00°	37.00°	25.00°
DEFLECTION	70.18m	67.00m	99.84m



DRAFT

D	UPDATED FOLLOWING STAGE 1 REA COMMENTS	DV	DV	DA	17.10.21
C	CYCLE ROUTE EXTENDED ALONG SOUTHERN ARM	ADS	DH	KM	28.03.23
B	UPDATED TO WSCC COMMENTS	DV	DH	KM	10.07.23
A	TREES SURVEY ASSESS / REDLINE UPDATED	DV	DH	KM	10.04.23
Rev	Description	Dm	Chk	App	Date

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E-mail: enquiries@ardent-ce.co.uk

Client

FAIRFAX ACQUISITIONS LTD

Project Title:

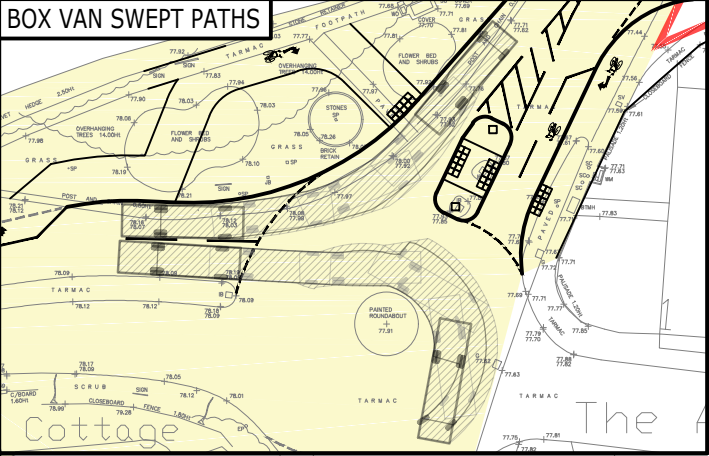
LAND AT ANTYSY FARM, MID SUSSEX

Drawing Title:

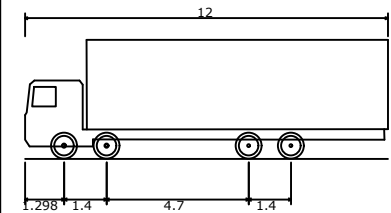
PROPOSED ROUNDABOUT SOUTHERN ACCESS (B2036)

AO Scale	Date	Designed by
1:500	22.02.23	DV
Drawn by	Checked by	Approved by
DV	DV	DH
Drawing Number	2207280-005	Rev D

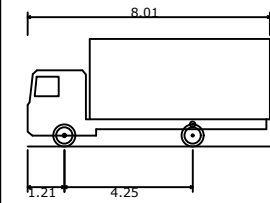
BOX VAN SWEEP PATHS



VEHICLE SPECIFICATIONS:

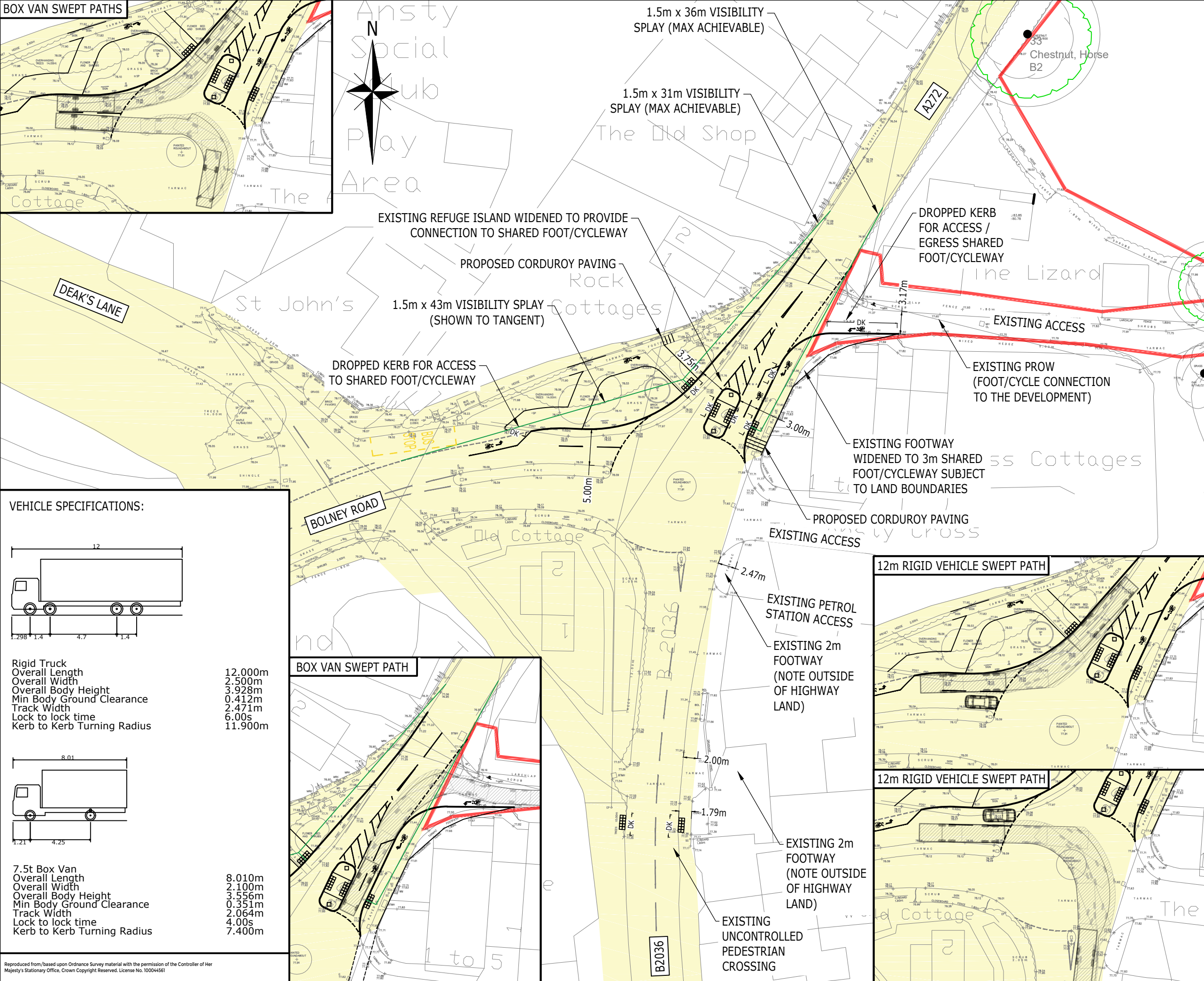


Rigid Truck
Overall Length 12.000m
Overall Width 2.500m
Overall Body Height 3.928m
Min Body Ground Clearance 0.412m
Track Width 2.471m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 11.900m



7.5t Box Van
Overall Length 8.010m
Overall Width 2.100m
Overall Body Height 3.556m
Min Body Ground Clearance 0.351m
Track Width 2.064m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 7.400m

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NOTES:

THE PEDESTRIAN/CYCLE ACCESS STRATEGY IS SUBJECT TO DISCUSSIONS WITH HIGHWAYS BUT INDICATIVE ROUTING/CROSSING LOCATIONS HAVE BEEN SHOWN SUBJECT TO REVIEW AGAINST LAND OWNERSHIP/CONSTRAINTS INFORMATION, ECOLOGY INFORMATION AND ARBORICULTURAL SURVEY.

VISIBILITY SPLAYS SUBJECT TO SPEED LIMIT CHANGE AND DISCUSSIONS WITH HIGHWAYS.

SIGNAGE TO BE IN ACCORDANCE WITH TSRGD AND LTN/1 20 STANDARDS.

- KEY:
- INDICATIVE SITE BOUNDARY TO BE CONFIRMED
 - HIGHWAY BOUNDARY TRANSCRIBED FROM MID SUSSEX RECORDS

DRAFT

B	UPDATED FOLLOWING STAGE 1 RSA COMMENTS	DV	DV	DH	17.10.23
A	UPDATED TO ALLOW 5m ENTRY WIDTH	DV	DV	DH	22.09.23
Rev	Description	Drn	Chk	App	Date

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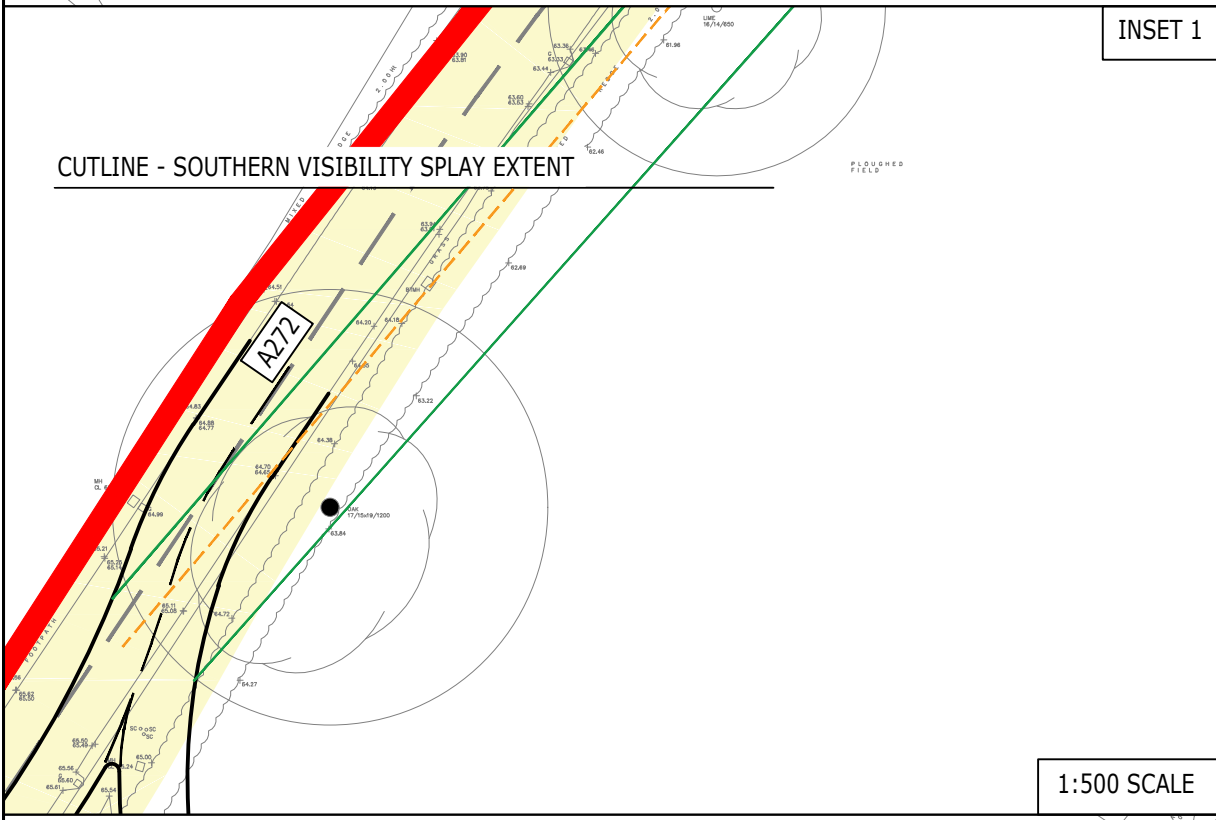
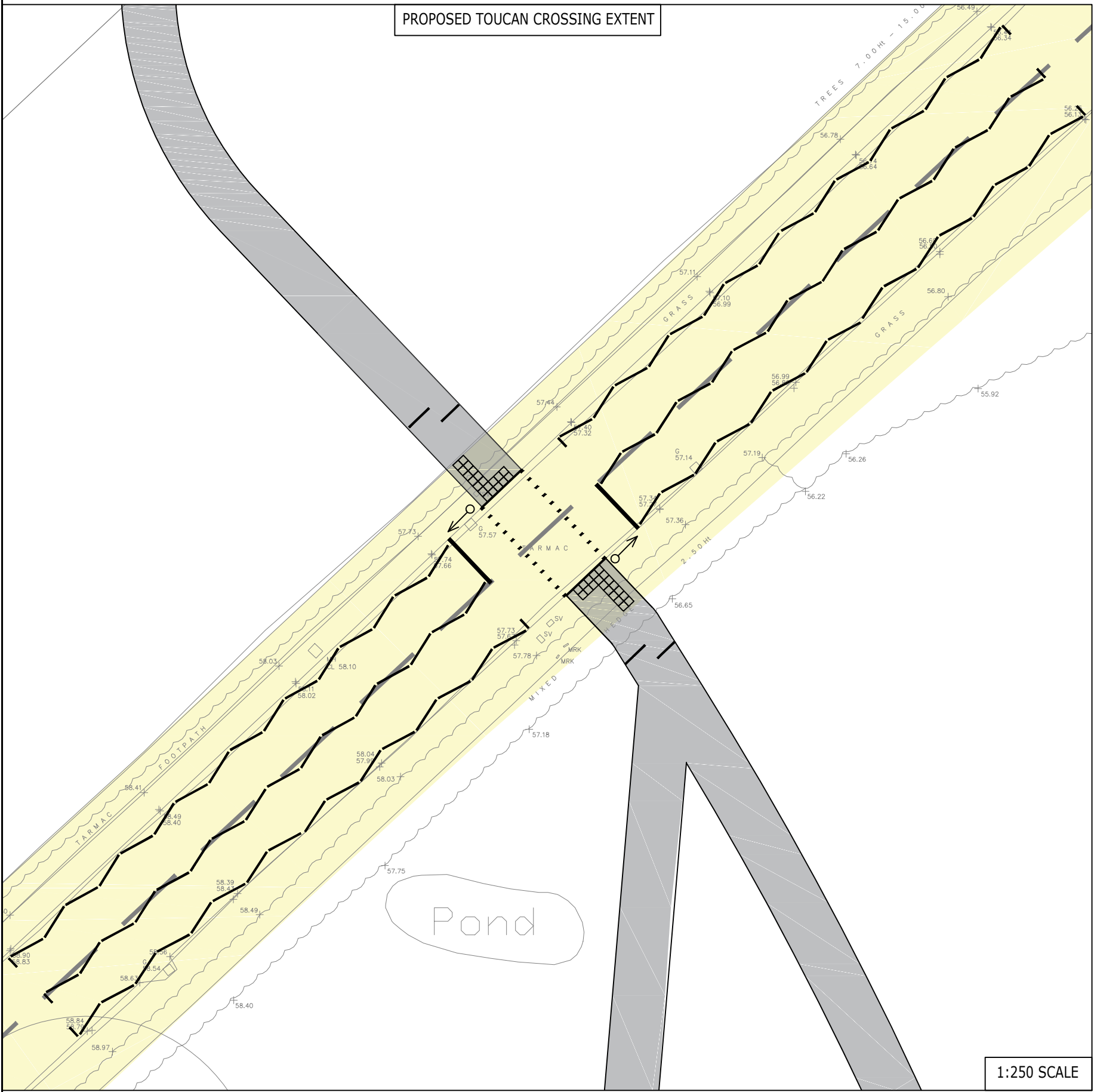
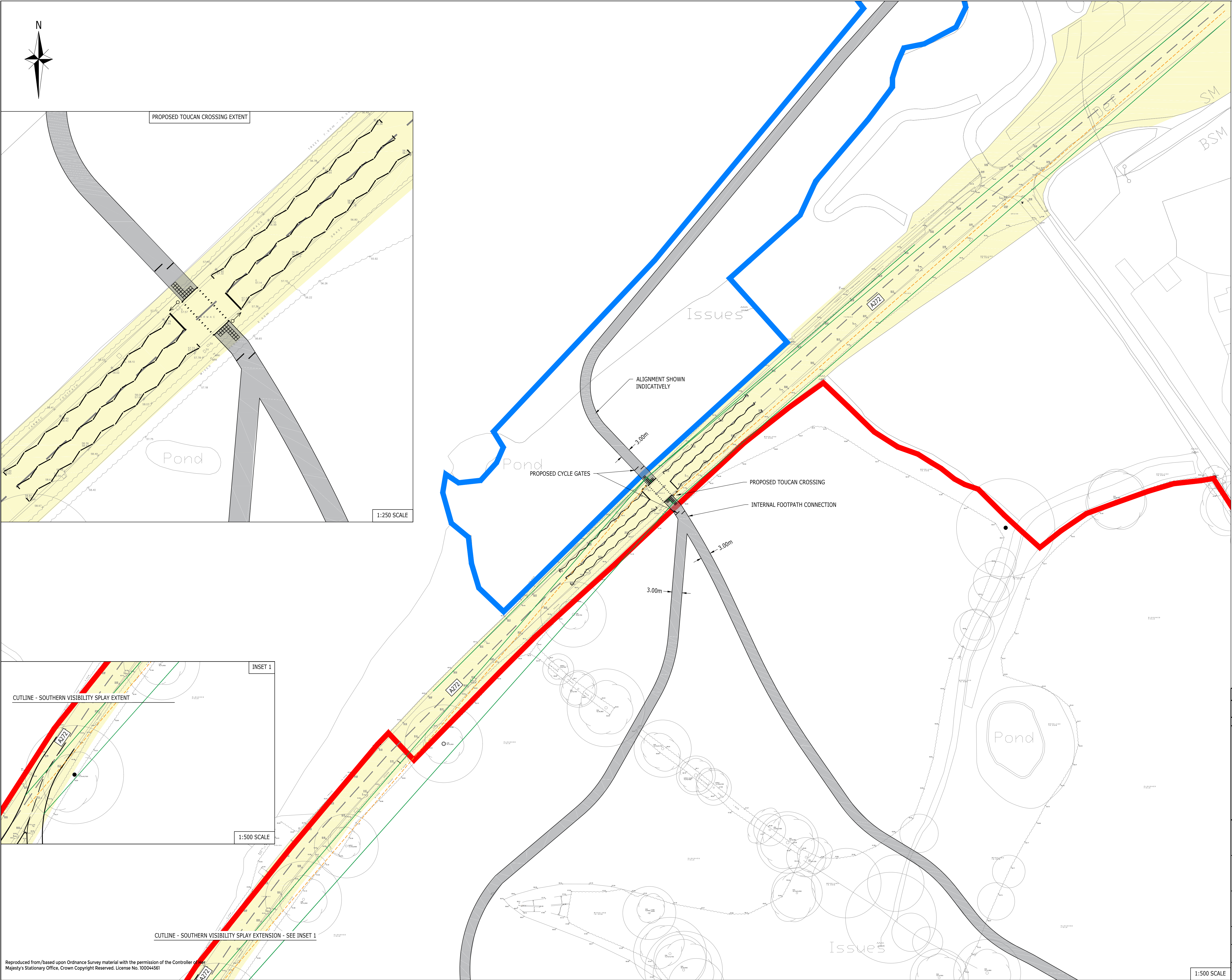
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Client	FAIRFAX ACQUISITIONS LTD				
Project Title:	LAND AT ANTSY FARM, MID SUSSEX				
Drawing Title:	PROPOSED CYCLE CONNECTIONS A272 / BOLNEY ROAD / B2036				
A3 Scale	1:500	Date	03.08.23	Designed by	DV
Drawn by	DV	Checked by	DV	Approved by	KM
Drawing Number	2207280-007				Rev B



CUTLINE - SOUTHERN VISIBILITY SPLAY EXTENSION - SEE INSET 1

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- NOTES:
1. THE PEDESTRIAN/CYCLE ACCESS STRATEGY IS SUBJECT TO DISCUSSIONS WITH HIGHWAYS BUT INDICATIVE ROUTING/CROSSING LOCATIONS HAVE BEEN SHOWN SUBJECT TO REVIEW AGAINST LAND OWNERSHIP/CONSTRAINTS INFORMATION, ECOLOGY INFORMATION AND ARBORICULTURAL SURVEY.
 2. DESIGN IS BASED ON TOPOGRAPHICAL SURVEY PRODUCED BY MARVIN & PARTNERS LTD DATED FEB 2023
 3. INTERNAL FOOTPATH CONNECTION ALIGNMENT FROM DRAWING D3012-FAB-00-XX-M2-Y-1012-D102_Concept masterplan (08-09-23)
 4. STREET LIGHTING TO BE CONSIDERED.
 5. SPEED DISCRIMINATION EQUIPMENT TO BE CONSIDERED IF REQUIRED.
 6. VEGETATION WITHIN VISIBILITY SPLAYS TO BE TRIMMED AND CUT BACK TO KEEP VISIBILITY SPLAYS CLEAR.
 7. SIGNAGE TO BE IN ACCORDANCE WITH TSRGD AND LTN 1/20 STANDARDS.
 8. DESIGN IN ACCORDANCE WITH THE CURRENT POSTED SPEED LIMIT, ANY REDUCTION SPEED LIMIT IS SUBJECT TO REVIEW BY WSCC.

- KEY:
- INDICATIVE SITE BOUNDARY
 - BEECHY BOTTOM RESERVE BOUNDARY (INDICATIVELY SHOWN)
 - PROPOSED FOOT/CYCLEWAY
 - HIGHWAY BOUNDARY TRANSCRIBED FROM WEST SUSSEX RECORDS
 - PROPOSED ROAD MARKINGS
 - EXISTING ROAD MARKINGS
 - 215m VISIBILITY SPLAYS
 - 215m VISIBILITY SPLAY TO SIGNAL HEAD

DRAFT

B	UPDATED FOLLOWING STAGE 1 RSA COMMENTS	DV	DV	DH	17.10.23
A	PROPOSED CYCLE/PEDESTRIAN ROUTE SHOWN NORTHERN SIDE OF THE A272 TO BEECHY BOTTOM RESERVE	ADS	DH	KM	28.09.23
Rev	Description	Dn	Chk	App	Date

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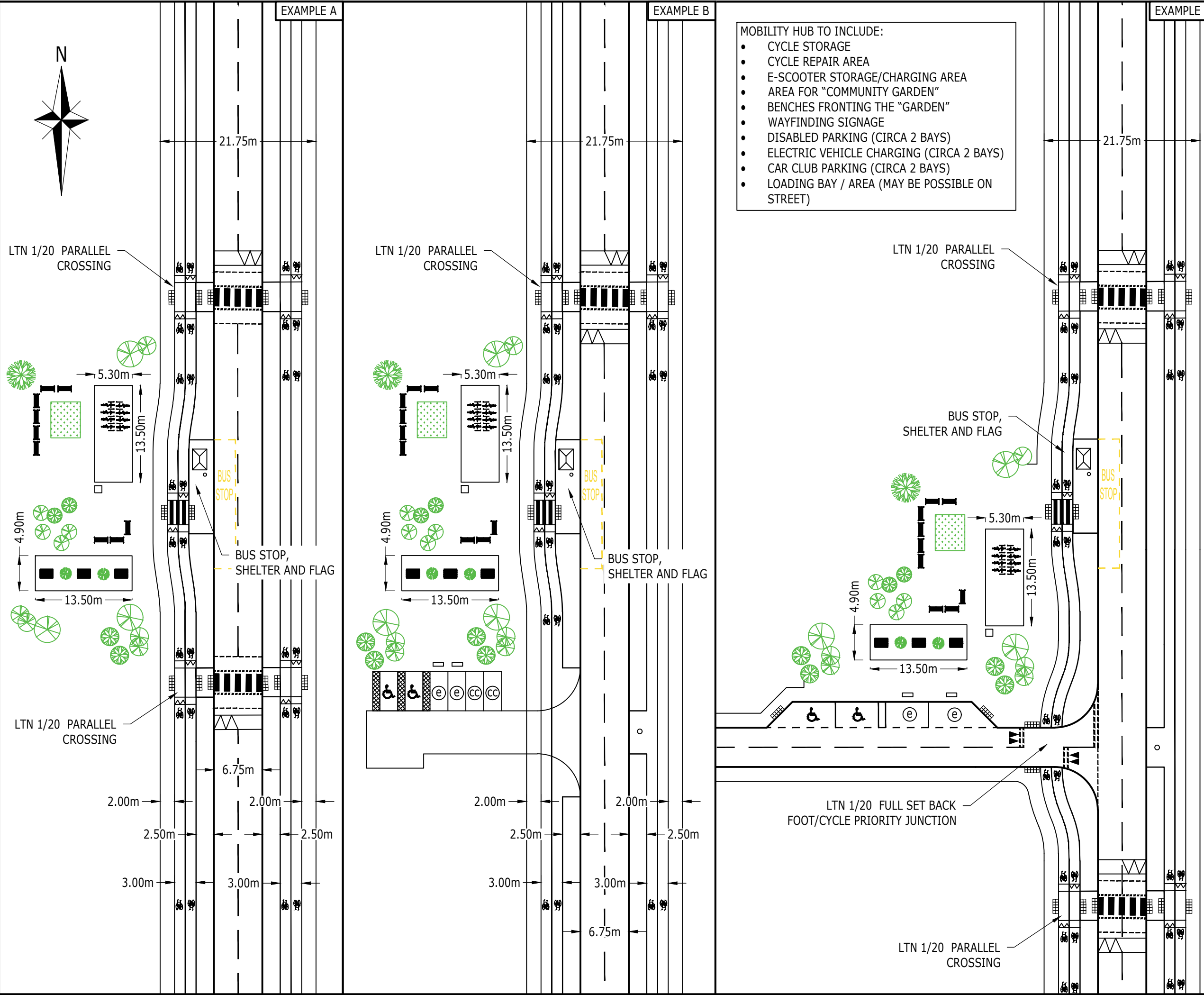
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ISO 9001
BUREAU VERITAS
CERTIFICATION

Client					
FAIRFAX ACQUISITIONS LTD					
Project Title:					
LAND AT ANTSY FARM, MID SUSSEX					
Drawing Title:					
A272 PROPOSED TOUCAN CROSSING					
A1 Scale	Date	Designed by			
AS SHOWN	08.09.23	DV			
Drawn by	Checked by	Approved by			
DV	DV	KM			
Drawing Number					Rev
2207280-010					B



- MOBILITY HUB TO INCLUDE:
- CYCLE STORAGE
 - CYCLE REPAIR AREA
 - E-SCOOTER STORAGE/CHARGING AREA
 - AREA FOR "COMMUNITY GARDEN"
 - BENCHES FRONTING THE "GARDEN"
 - WAYFINDING SIGNAGE
 - DISABLED PARKING (CIRCA 2 BAYS)
 - ELECTRIC VEHICLE CHARGING (CIRCA 2 BAYS)
 - CAR CLUB PARKING (CIRCA 2 BAYS)
 - LOADING BAY / AREA (MAY BE POSSIBLE ON STREET)

NOTES:

DESIGNED IN ACCORDANCE WITH LTN 1/20 & COMO UK 'THE DESIGN PROCESS - MOBILITY HUBS REALISED'.

EXAMPLES SHOWN INDICATIVELY AND SUBJECT TO INTERNAL LAYOUT, FURTHER DESIGN AND HIGHWAYS DISCUSSIONS.

DRAFT

Rev	Description	Drn	Chk	App	Date
ARDENT CONSULTING ENGINEERS					
Third Floor The Hallmark Building 52-56 Leadenhall Street London EC3M 5JE Tel: 020 7680 4088 Web: www.ardent-ce.co.uk E-mail: enquiries@ardent-ce.co.uk					
Client FAIRFAX ACQUISITIONS LTD					
Project Title: LAND AT ANTASY FARM, MID SUSSEX					
Drawing Title: MOBILITY HUB EXAMPLES					
A3 Scale	1:500	Date	27.02.23	Designed by	DV
Drawn by	DV	Checked by	DV	Approved by	KM
Drawing Number	2207280-SK01				Rev -