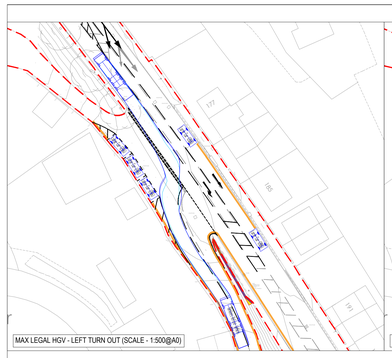
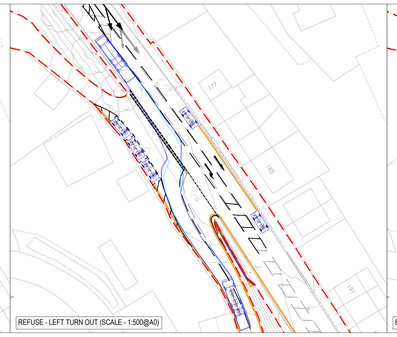
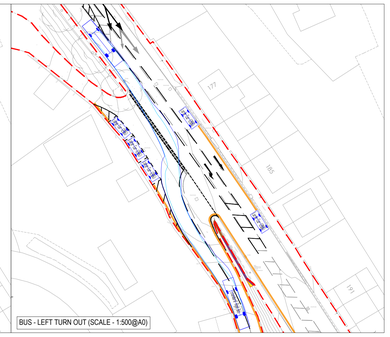
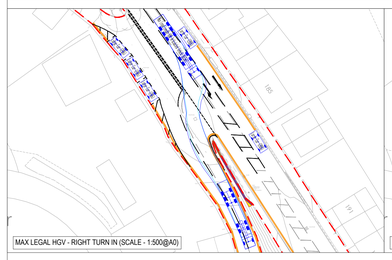
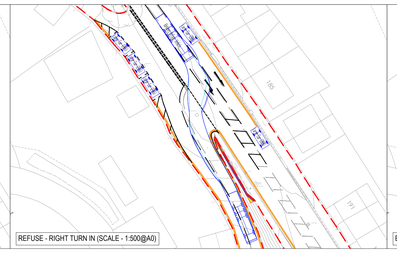
AREA 1 - PROPOSED PENISTONE ROAD/STORTHES HALL LANE/WOODSOME LEES LANE IMPROVEMENTS

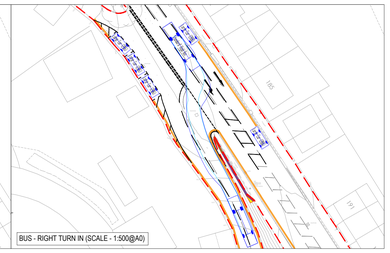

MAX LEGAL HGV - LEFT TURN OUT (SCALE - 1:500@A0)

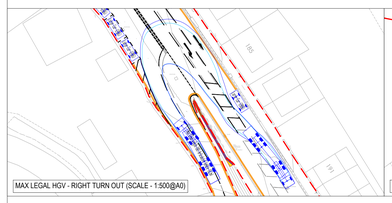

REFUSE - LEFT TURN OUT (SCALE - 1:500@A0)


BUS - LEFT TURN OUT (SCALE - 1:500@A0)

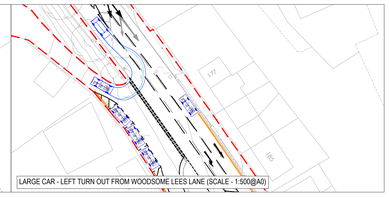

MAX LEGAL HGV - RIGHT TURN IN (SCALE - 1:500@A0)


REFUSE - RIGHT TURN IN (SCALE - 1:500@A0)

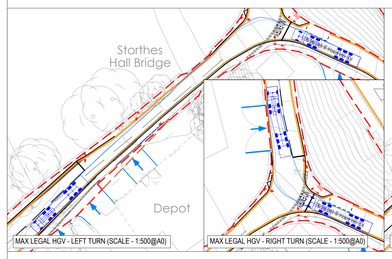

BUS - RIGHT TURN IN (SCALE - 1:500@A0)


MAX LEGAL HGV - RIGHT TURN OUT (SCALE - 1:500@A0)

LARGE CAR - RIGHT TURN TO WOODSOME LEES LANE (SCALE - 1:500@A0)

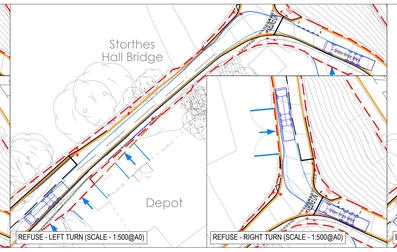

LARGE CAR - LEFT TURN OUT FROM WOODSOME LEES LANE (SCALE - 1:500@A0)

AREA 2 - PROPOSED STORTHES HALL LANE THREE-WAY TRAFFIC SIGNALS



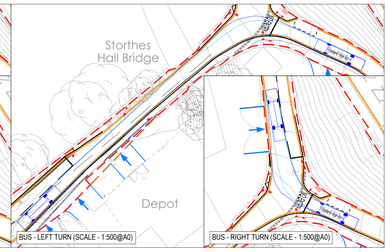
MAX LEGAL HGV - LEFT TURN (SCALE - 1:500@A0)

MAX LEGAL HGV - RIGHT TURN (SCALE - 1:500@A0)



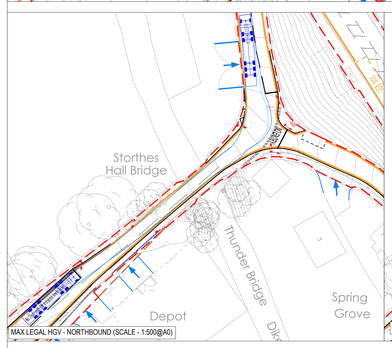
REFUSE - LEFT TURN (SCALE - 1:500@A0)

REFUSE - RIGHT TURN (SCALE - 1:500@A0)

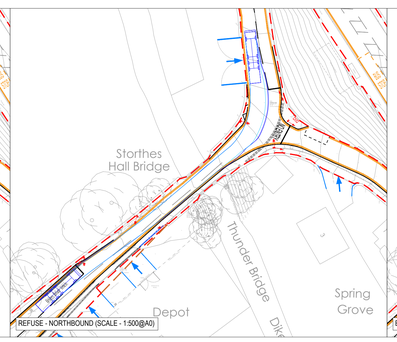


BUS - LEFT TURN (SCALE - 1:500@A0)

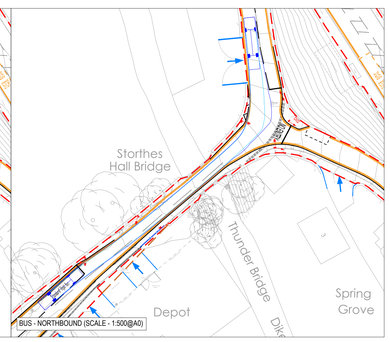
BUS - RIGHT TURN (SCALE - 1:500@A0)



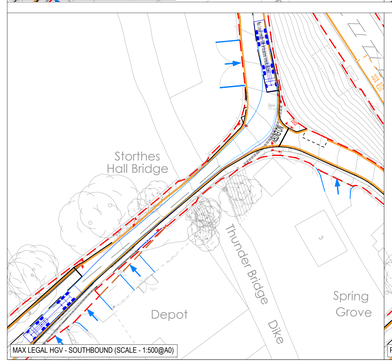
MAX LEGAL HGV - NORTHBOUND (SCALE - 1:500@A0)



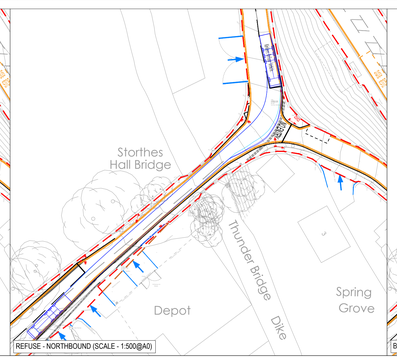
REFUSE - NORTHBOUND (SCALE - 1:500@A0)



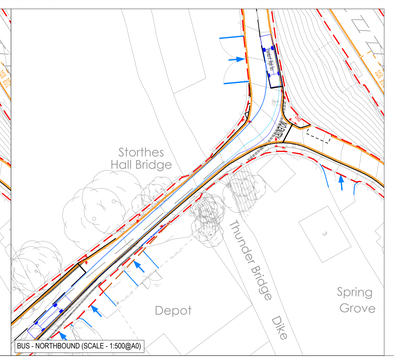
BUS - NORTHBOUND (SCALE - 1:500@A0)



MAX LEGAL HGV - SOUTHBOUND (SCALE - 1:500@A0)

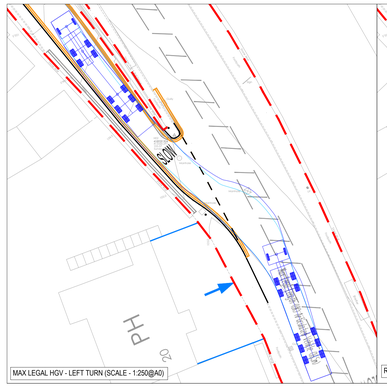


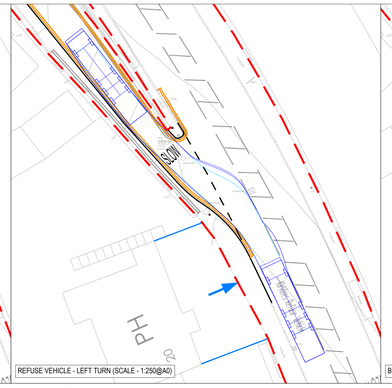
REFUSE - NORTHBOUND (SCALE - 1:500@A0)

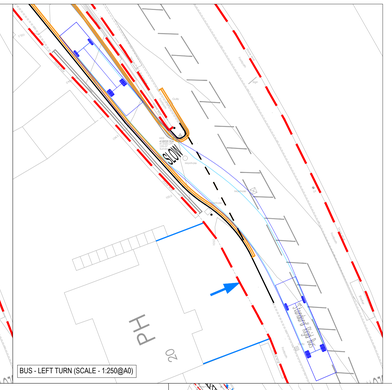


BUS - NORTHBOUND (SCALE - 1:500@A0)

AREA 3 - STORTHES HALL LANE (ENTRANCE ONLY)


MAX LEGAL HGV - LEFT TURN (SCALE - 1:250@A0)

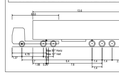

REFUSE VEHICLE - LEFT TURN (SCALE - 1:250@A0)


BUS - LEFT TURN (SCALE - 1:250@A0)

DO NOT SCALE

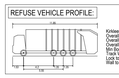
KEY:
- VEHICLE BODY
- WHEEL TRACK

MAX LEGAL LENGTH HGV VEHICLE PROFILE:



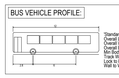
Max Legal Length (UK) Articulated Vehicle (16.5m)	
Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	4.100m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	9.530m

REFUSE VEHICLE PROFILE:



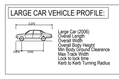
Kirkness Refuse Vehicle.	
Overall Length	11.850m
Overall Width	2.500m
Overall Body Height	3.140m
Min Body Ground Clearance	0.303m
Max Track Width	2.500m
Lock to lock time	6.00s
Wall to Wall Turning Radius	11.050m

BUS VEHICLE PROFILE:



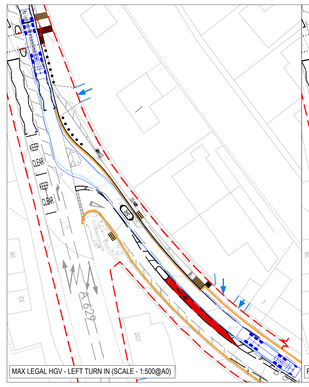
Standard Rigid Bus	
Overall Length	12.000m
Overall Width	2.500m
Overall Body Height	3.000m
Min Body Ground Clearance	0.307m
Max Track Width	2.500m
Lock to lock time	6.00s
Wall to Wall Turning Radius	10.717m

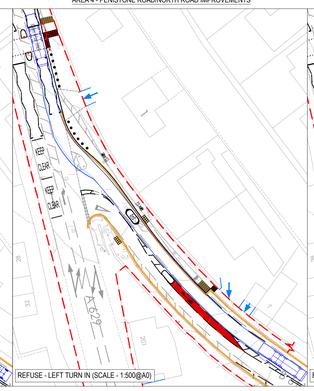
LARGE CAR VEHICLE PROFILE:

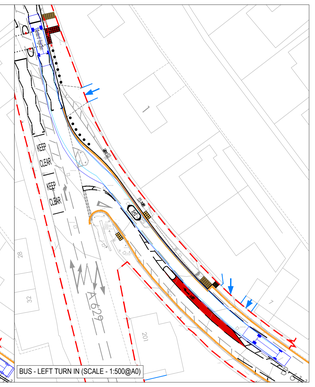


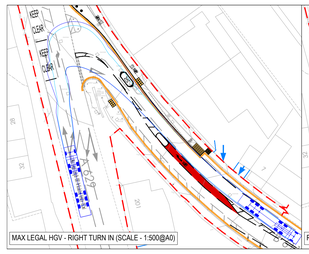
Large Car (2006)	
Overall Length	5.070m
Overall Width	1.824m
Overall Body Height	1.370m
Min Body Ground Clearance	0.185m
Max Track Width	1.824m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.800m

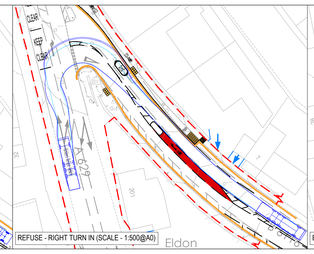
AREA 4 - PENISTONE ROAD/NORTH ROAD IMPROVEMENTS


MAX LEGAL HGV - LEFT TURN IN (SCALE - 1:500@A0)

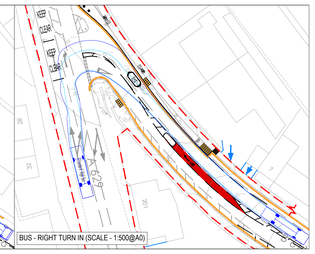

REFUSE - LEFT TURN IN (SCALE - 1:500@A0)

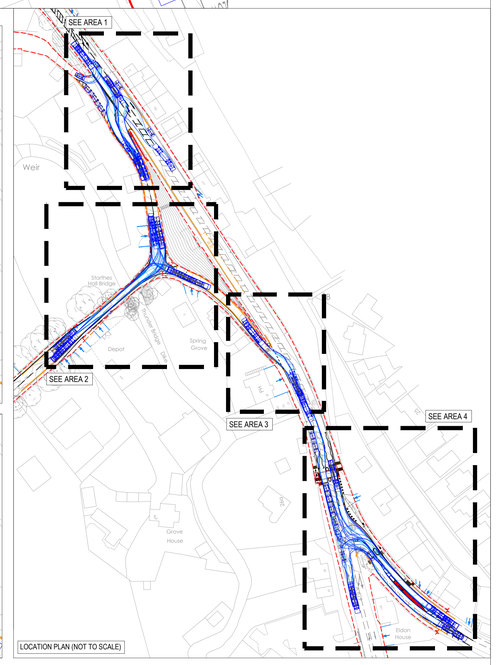

BUS - LEFT TURN IN (SCALE - 1:500@A0)


MAX LEGAL HGV - RIGHT TURN IN (SCALE - 1:500@A0)

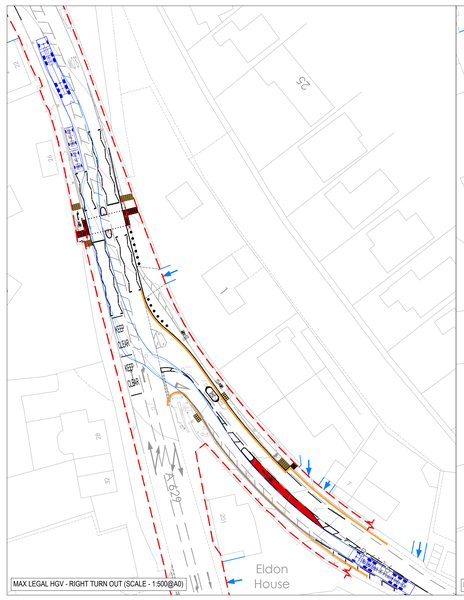


REFUSE - RIGHT TURN IN (SCALE - 1:500@A0)

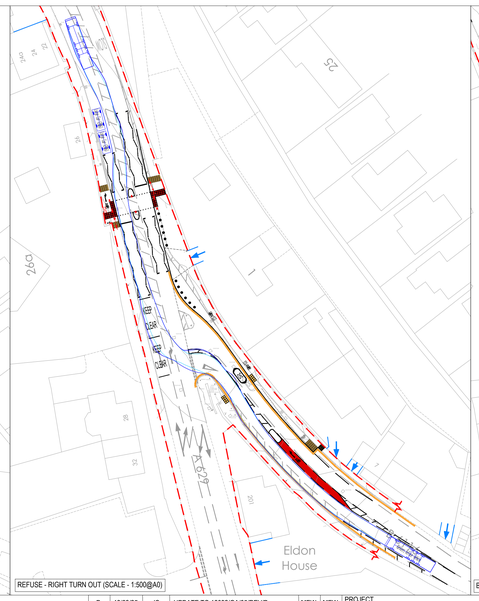

BUS - RIGHT TURN IN (SCALE - 1:500@A0)



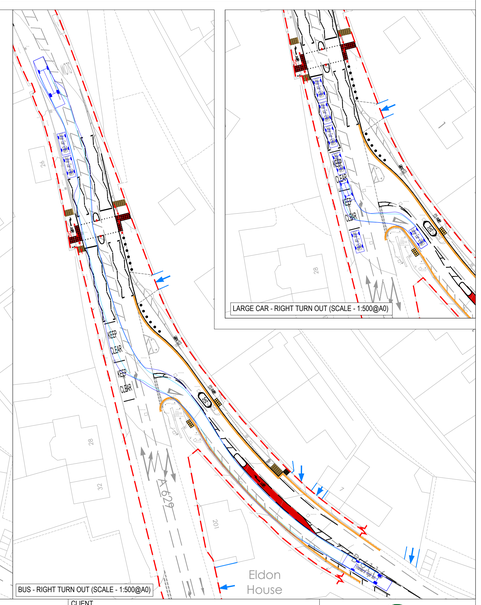
LOCATION PLAN (NOT TO SCALE)



MAX LEGAL HGV - RIGHT TURN OUT (SCALE - 1:500@A0)



REFUSE - RIGHT TURN OUT (SCALE - 1:500@A0)



BUS - RIGHT TURN OUT (SCALE - 1:500@A0)

LARGE CAR - RIGHT TURN OUT (SCALE - 1:500@A0)

REV	DATE	BY	DESCRIPTION	CHK	APP
D	13/03/25	JS	UPDATE TO 18092/GA/05/REV/D	MEW	MEW
C	10/03/25	JS	UPDATE TO 18092/GA/05/REV/C	MEW	MEW
B	14/02/25	JS	UPDATE TO 18092/GA/05/REV/B	MEW	MEW
A	12/02/25	JS	UPDATE TO 18092/GA/05/REV/A	MEW	MEW
-	13/12/24	JS	INITIAL ISSUE	MEW	MEW

STATUS: PRELIMINARY

PROJECT: STORTHES HALL, KIRKBURTON

DRAWING TITLE: PROPOSED PENISTONE ROAD/STORTHES HALL LANE/ NORTH ROAD IMPROVEMENTS - OPTION B - VEHICLE SWEPT PATH ANALYSIS

CLIENT: UBRIQUE INVESTMENTS LIMITED.

CHECKED	APPROVED	DRG No.	
MEW	MEW	18092/ATR/04	
DRAWN BY:	SCALE @ A0	DATE	REV.
JS	AS SHOWN	13/03/25	D

OPTIMA
Intelligent Highway Solutions
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