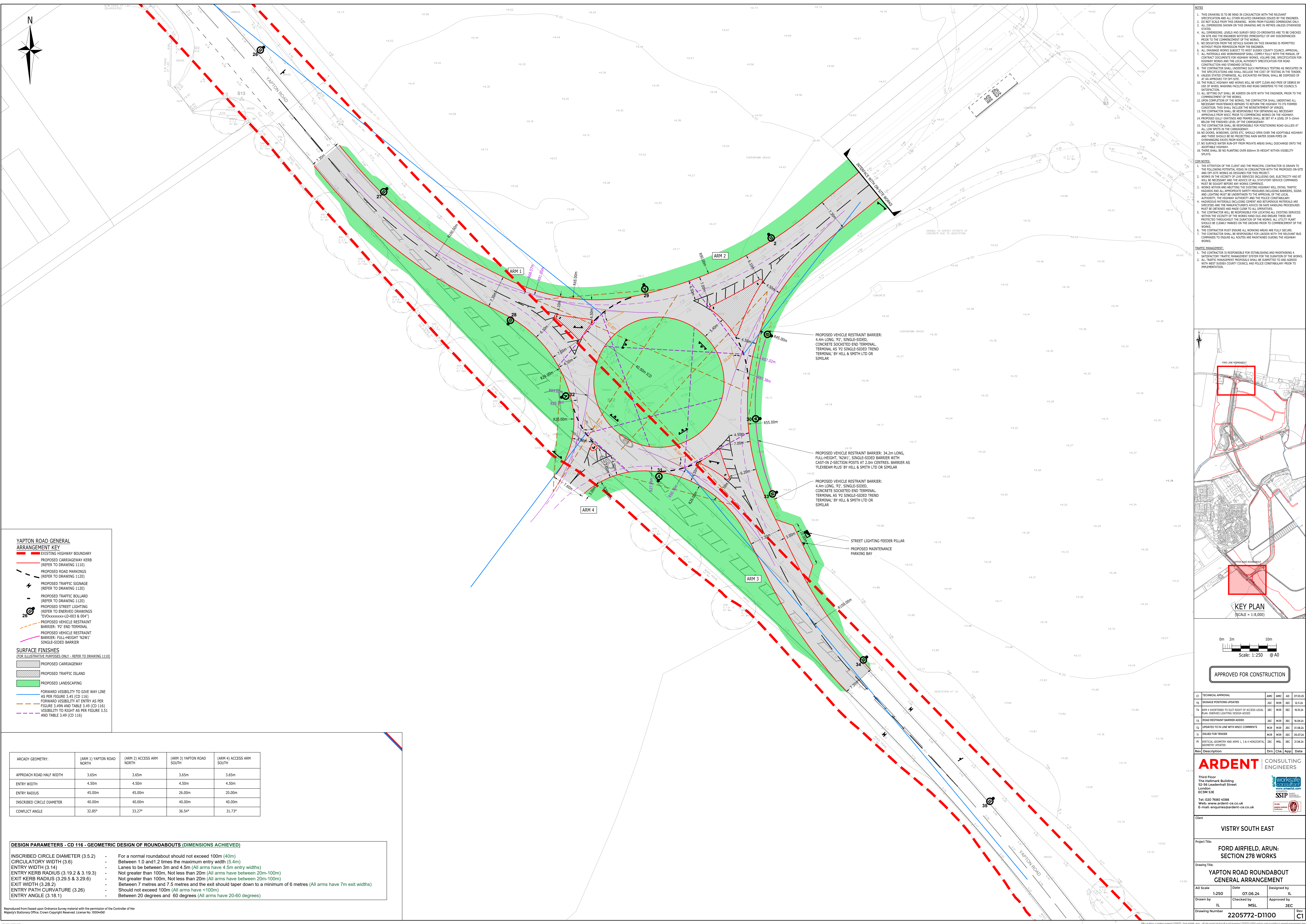




YAPTON ROAD GENERAL ARRANGEMENT KEY

- EXISTING HIGHWAY BOUNDARY
- PROPOSED CARRIAGEWAY KERB (REFER TO DRAWING 1110)
- PROPOSED ROAD MARKINGS (REFER TO DRAWING 1120)
- PROPOSED TRAFFIC SIGNAGE (REFER TO DRAWING 1120)
- PROPOSED TRAFFIC BOLLARD (REFER TO DRAWING 1120)
- PROPOSED STREET LIGHTING (REFER TO ENVED DRAWINGS 'EVDxxxxxxx-LD-003 & 004')
- PROPOSED VEHICLE RESTRAINT BARRIER: 'P2' END TERMINAL
- PROPOSED VEHICLE RESTRAINT BARRIER: FULL-HEIGHT 'N2W1' SINGLE-SIDED BARRIER

SURFACE FINISHES
(FOR ILLUSTRATIVE PURPOSES ONLY - REFER TO DRAWING 1110)

- PROPOSED CARRIAGEWAY
- PROPOSED TRAFFIC ISLAND
- PROPOSED LANDSCAPING

FORWARD VISIBILITY TO GIVE WAY LINE AS PER FIGURE 3.45 (CD 116)
FORWARD VISIBILITY AT ENTRY AS PER FIGURE 3.49 AND TABLE 3.49 (CD 116)
VISIBILITY TO RIGHT AS PER FIGURE 3.51 AND TABLE 3.49 (CD 116)

ARCADY GEOMETRY:	(ARM 1) YAPTON ROAD NORTH	(ARM 2) ACCESS ARM NORTH	(ARM 3) YAPTON ROAD SOUTH	(ARM 4) ACCESS ARM SOUTH
APPROACH ROAD HALF WIDTH	3.65m	3.65m	3.65m	3.65m
ENTRY WIDTH	4.50m	4.50m	4.50m	4.50m
ENTRY RADIUS	45.00m	45.00m	26.00m	20.00m
INSCRIBED CIRCLE DIAMETER	40.00m	40.00m	40.00m	40.00m
CONFLICT ANGLE	32.85°	33.27°	36.54°	31.73°

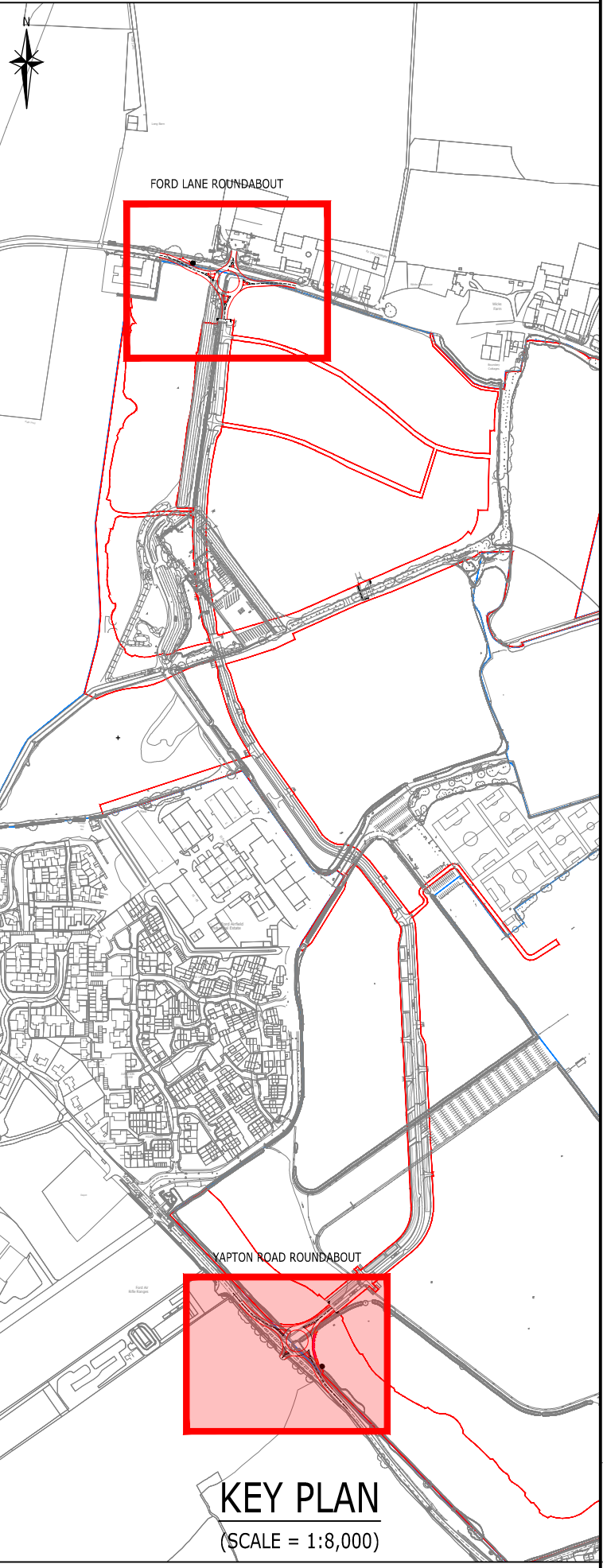
DESIGN PARAMETERS - CD 116 - GEOMETRIC DESIGN OF ROUNDABOUTS (DIMENSIONS ACHIEVED)	
INSCRIBED CIRCLE DIAMETER (3.5.2)	- For a normal roundabout should not exceed 100m (40m)
CIRCULATORY WIDTH (3.6)	- Between 1.0 and 1.2 times the maximum entry width (5.4m)
ENTRY WIDTH (3.14)	- Lanes to be between 3m and 4.5m (All arms have 4.5m entry widths)
ENTRY KERB RADIUS (3.19.2 & 3.19.3)	- Not greater than 100m, Not less than 20m (All arms have between 20m-100m)
EXIT KERB RADIUS (3.29.5 & 3.29.6)	- Not greater than 100m, Not less than 20m (All arms have between 20m-100m)
EXIT WIDTH (3.28.2)	- Between 7 metres and 7.5 metres and the exit should taper down to a minimum of 6 metres (All arms have 7m exit widths)
ENTRY PATH CURVATURE (3.26)	- Should not exceed 100m (All arms have <100m)
ENTRY ANGLE (3.18.1)	- Between 20 degrees and 60 degrees (All arms have 20-60 degrees)

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- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
 - DO NOT SCALE FROM THIS DRAWING. WORK FROM DIMENSIONS ONLY.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
 - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON-SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - ALL DRAWING WORKS SUBJECT TO WEST SUSSEX COUNTY COUNCIL APPROVAL.
 - ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME ONE, SPECIFICATION FOR HIGHWAY WORKS AND THE LOCAL AUTHORITY SPECIFICATION FOR ROAD CONSTRUCTION AND STANDING DETAILS.
 - THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
 - UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL SHALL BE DEPOSITED OF AT AN APPROVED TOP OF SITE.
 - THE PUBLIC HIGHWAY AND WORKS WILL BE KEPT CLEAN AND FREE OF DEBRIS BY USE OF WHEEL WASHING FACILITIES AND ROAD SWEEPERS TO THE COUNCIL'S SATISFACTION.
 - ALL SETTING OUT SHALL BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - UPON COMPLETION OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MAINTENANCE REPAIRS TO RETURN THE HIGHWAY TO ITS FORMER CONDITION. THIS SHALL INCLUDE THE REDEMPTION OF FENCES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM WSSCC PRIOR TO COMMENCING WORKS ON THE HIGHWAY.
 - PROPOSED GULLY GRATES AND MANHOLE SHALL BE SET AT A LEVEL OF 5-10mm BELOW THE FINISHED LEVEL OF THE CARRIAGEWAY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING ROAD GULLIES AT ALL LOW SPOTS IN THE CARRIAGEWAY.
 - NO DOGS, WINCHES, LIFTS ETC. SHOULD OPEN OVER THE ADAPTABLE HIGHWAY AND THERE SHOULD BE NO PROJECTING RAIN WATER DOWN PIPES OR OVERHANGING EAVES FROM ROOFS.
 - NO SURFACE WATER RUN OFF FROM PRIVATE AREAS SHALL DISCHARGE ONTO THE ADAPTABLE HIGHWAY.
 - THERE SHALL BE NO PLANTING OVER 600mm IN HEIGHT WITHIN VISIBILITY SPOTS.

- CDM NOTES**
- THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL ISSUES IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:
 - WORKS IN THE VICINITY OF LIFE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
 - WORKS WITHIN AND ADJACENT TO THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE CONSTABULARY.
 - HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURER'S ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS HAND DUG AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
 - THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIAISON WITH THE RELEVANT BUS COMPANIES TO ENSURE ALL ROUTES ARE MAINTAINED DURING THE HIGHWAY WORKS.

- TRAFFIC MANAGEMENT**
- THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A SATISFACTORY TRAFFIC MANAGEMENT SYSTEM FOR THE DURATION OF THE WORKS.
 - ALL TRAFFIC MANAGEMENT PROPOSALS SHALL BE SUBMITTED TO AND AGREED WITH WEST SUSSEX COUNTY COUNCIL AND POLICE CONSTABULARY PRIOR TO IMPLEMENTATION.



APPROVED FOR CONSTRUCTION

CD	TECHNICAL APPROVAL	AMC	AMC	AD	07.05.23
13	SIGNAGE POSITIONS UPDATED	JEC	MJR	JEC	12.03.24
14	ARM 4 SHORTENED TO SUIT RIGHT OF ACCESS LEGAL PLAN, ENVED LIGHTING DESIGN ADDED	JEC	MJR	JEC	16.05.24
15	ROAD RESTRAINT BARRIER ADDED	JEC	MJR	JEC	16.09.24
12	UPDATED TO IN LINE WITH WSSCC COMMENTS	MJR	MJR	JEC	01.08.24
11	ISSUED FOR TENDER	MJR	MJR	JEC	05.07.24
10	VERTICAL GEOMETRY AND APRIS 1, 3 & 4 HORIZONTAL GEOMETRY UPDATED	JEC	MSL	JEC	21.06.24

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SSIP

Client

VISTRY SOUTH EAST

Project Title:

FORD AIRFIELD, ARUN: SECTION 278 WORKS

Drawing Title:

YAPTON ROAD ROUNDABOUT GENERAL ARRANGEMENT

AO Scale	Date	Designed by
1:250	07.06.24	IL
Drawn by	Checked by	Approved by
IL	MSL	JEC
Drawing Number	2205772-D1100	Rev C1