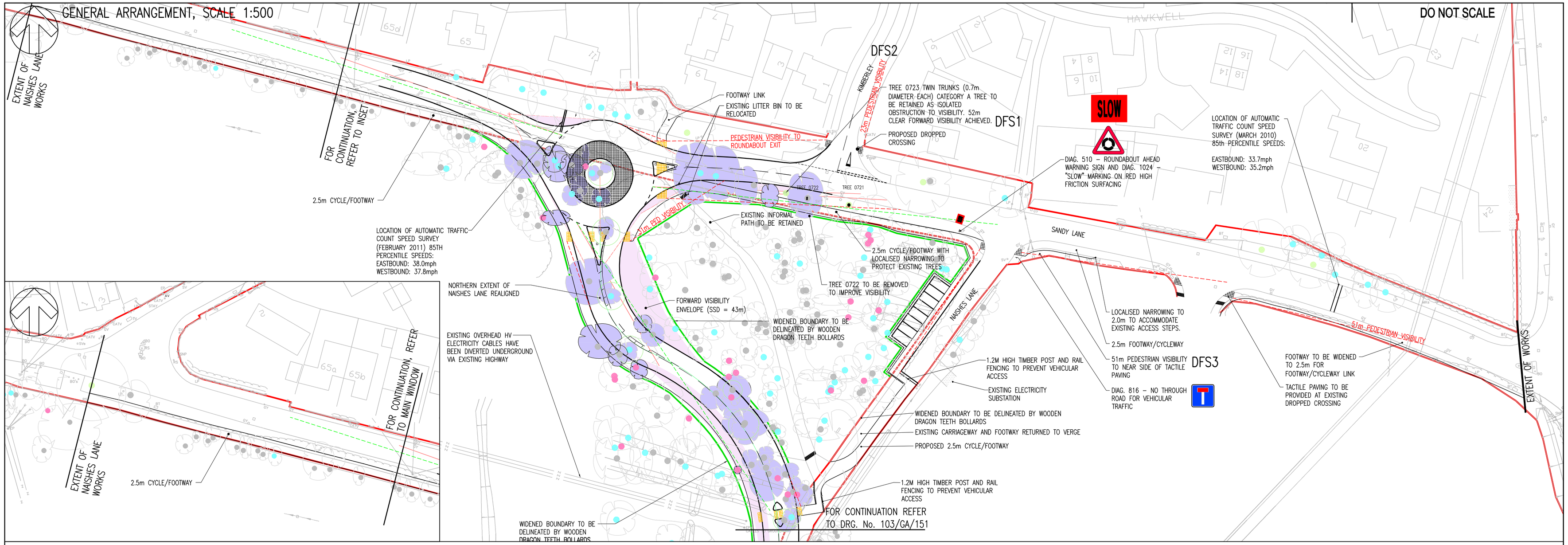
GENERAL ARRANGEMENT, SCALE 1:500

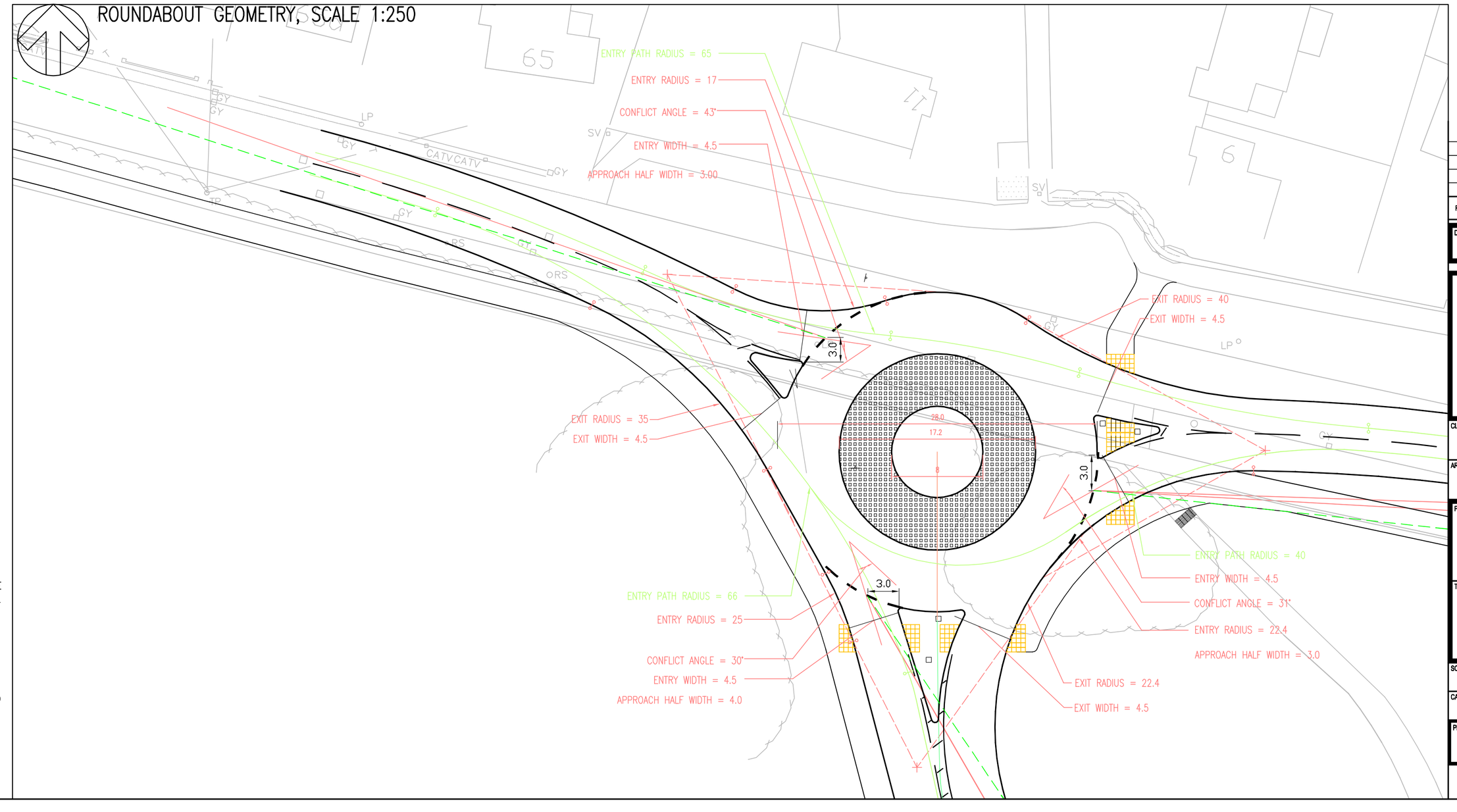
DO NOT SCALE



KEY:

- CATEGORY 'A' TREES
- CATEGORY 'B' TREES
- CATEGORY 'C' TREES
- CATEGORY 'D' TREES
- EXISTING HIGHWAY BOUNDARY TO BE RETAINED
- EXISTING HIGHWAY BOUNDARY TO BE RELEASED
- PROPOSED HIGHWAY BOUNDARY
- FORWARD VISIBILITY 15m FROM GIVE WAY LINES
- FORWARD VISIBILITY ON APPROACH
- FORWARD VISIBILITY ON APPROACH USING 90m STOPPING SIGHT DISTANCE 6 TD 16/07 DMRB
- VISIBILITY ENVELOPE
- PROPOSED TACTILE PAVING AT UNCONTROLLED PEDESTRIAN CROSSING
- TREES TO BE REMOVED TO ACCOMMODATE PROPOSED HIGHWAY ALIGNMENT AND ASSOCIATED VISIBILITY REQUIREMENTS (CBA TO IDENTIFY ADDITIONAL 'AT RISK' TREES WITH RESPECT TO ROOT PROTECTION ZONE)

ROUNDABOUT GEOMETRY, SCALE 1:250



NOTES:

1. FOR SWEPT PATH ANALYSIS PLEASE REFER TO DRG. 103/ATR/152
2. THE EXISTING HIGHWAY BOUNDARY HAS BEEN INTERPRETED FROM HAMPSHIRE COUNTY COUNCIL RECORDS AND MUST BE CONFIRMED PRIOR TO SIGNING OF SECTION 278 AGREEMENT
3. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE
4. ROUNDABOUT GEOMETRY HAS BEEN DETERMINED BASED ON DMRB TD 16/07
5. VISIBILITY REQUIREMENTS FOR THE ROUNDABOUT ARE BASED ON DMRB 6 TD 16/07. FORWARD VISIBILITY ON APPROACH TO THE ROUNDABOUT FROM SANDY LANE EAST AND WEST IS BASED ON A SIGHT STOPPING DISTANCE (SSD) OF 61m TAKEN FROM MANUAL FOR STREETS FOR A 38mph ROAD (ATC SURVEYED SPEED ON NAISHES LANE EAST OF PROPOSED ROUNDABOUT = 37.8mph WESTBOUND, 38.0mph EASTBOUND). FORWARD VISIBILITY ON APPROACH TO THE ROUNDABOUT FROM SANDY LANE AND NAISHES LANE IS BASED ON A SSD OF 43m TAKEN FROM MANUAL FOR STREETS FOR A 30mph ROAD.
6. VISIBILITY SPLAYS FOR 'VISIBILITY TO THE RIGHT AT GIVE WAY LINES' AND 'CIRCULATORY VISIBILITY 2m FROM CENTRAL ISLAND' HAVE NOT BEEN SHOWN AS THEY REQUIRE THE ENTIRE ROUNDABOUT TO BE VISIBLE.
7. 31m VISIBILITY TO THE EAST FROM PEDESTRIAN CROSSING POINT ON NAISHES LANE BASED ON MFS2 para 8.3.5 AND ASSUMED VEHICLE SPEED OF 40kph ROUND THE 22.4m RADIUS BEND (AT KERBLINE).
8. VISIBILITY ON SANDY LANE TO THE EAST OF THE EXISTING NAISHES LANE JUNCTION IS SHOWN AT 51m BASED ON THE 85th PERCENTILE SPEED DATA FROM THE EASTERN ATC.

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0 25 metres

REV	DATE	BY	DESCRIPTION	CHK	APD
D	28/06/2012	MB	ADDITIONAL AUDITOR COMMENTS – SIGN 816 ADDED	LRB	TFK
C	12/06/2012	MB	HCC COMMENTS	LRB	TFK
B	07/02/2012	MB	EXTENDED DRAWINGS TO SHOW EXTENTS OF WORKS	LRB	TFK
A	26/09/2011	XCW	FIRST ISSUE	LRB	TFK

DRAWING STATUS: FOR TECHNICAL APPROVAL

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ARCHITECT: DHA

PROJECT: QUEEN ELIZABETH BARRACKS

TITLE: s278 WORKS - PACKAGE 4
SANDY LANE / NAISHES LANE
GENERAL ARRANGEMENT, VISIBILITY & TREE IMPACT
(SHEET 2 OF 2)

SCALE @ A1:	CHECKED:	APPROVED:
SEE DRAWING FRAMES	LRB	TFK
CAD FILE: 103-GA-163	DESIGN-DRAWN: XCW	DATE: September 2011
PROJECT No: 11790103	DRAWING No: 103/GA/163	REV: D

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