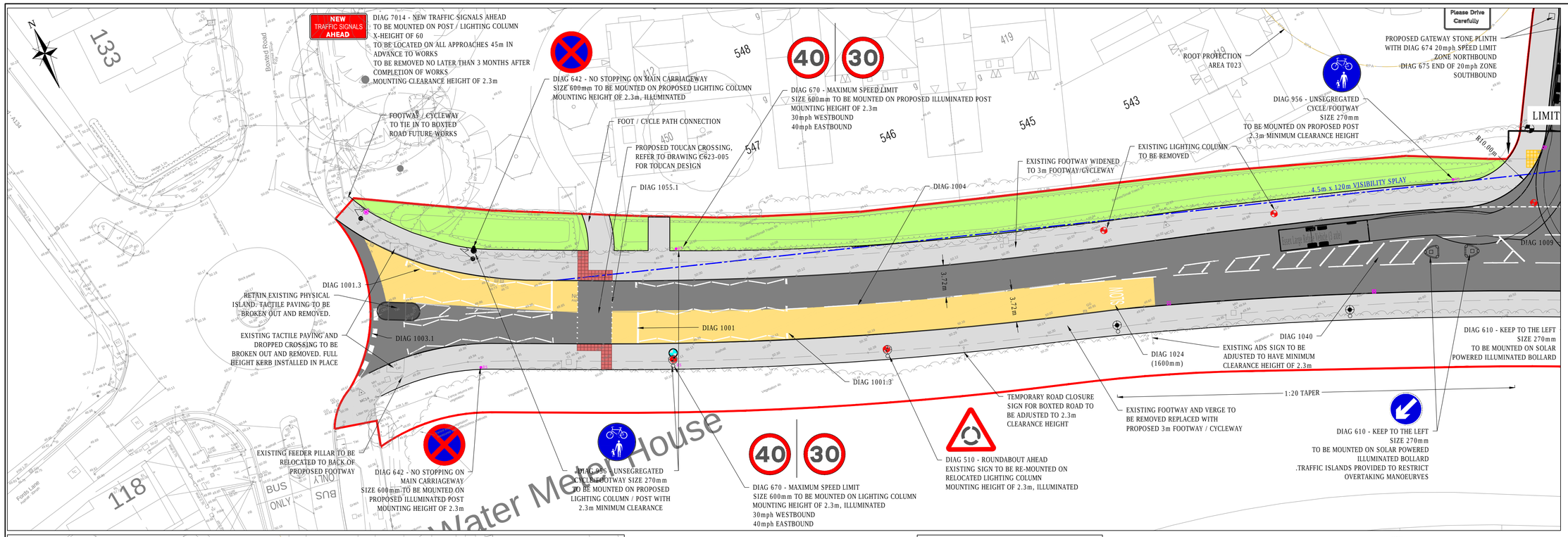

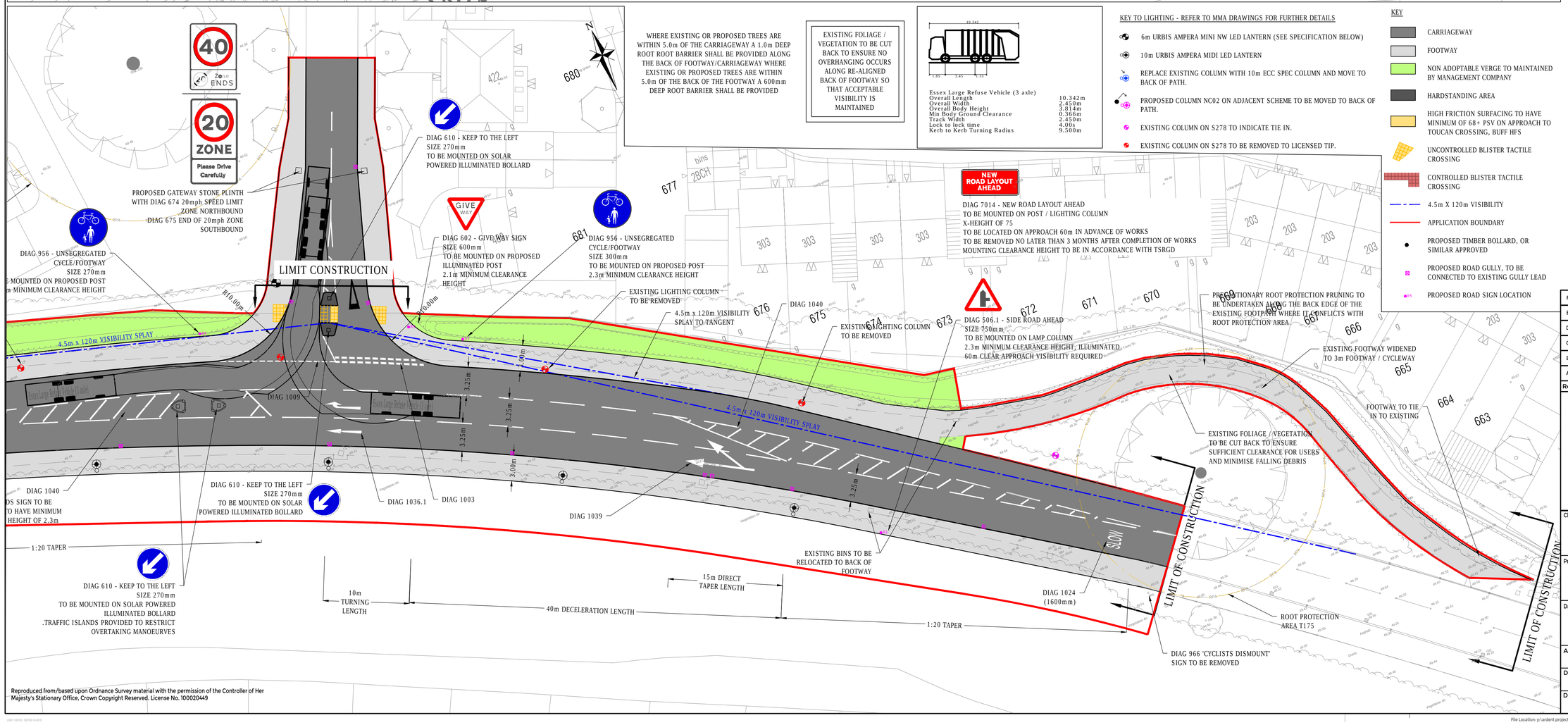

WHERE EXISTING OR PROPOSED TREES ARE WITHIN 5.0m OF THE CARRIAGEWAY A 1.0m DEEP ROOT ROOT BARRIER SHALL BE PROVIDED ALONG THE BACK OF FOOTWAY/CARRIAGEWAY WHERE EXISTING OR PROPOSED TREES ARE WITHIN 5.0m OF THE BACK OF THE FOOTWAY A 600mm DEEP ROOT BARRIER SHALL BE PROVIDED

EXISTING FOLIAGE / VEGETATION TO BE CUT BACK TO ENSURE NO OVERHANGING OCCURS ALONG RE-ALIGNED BACK OF FOOTWAY SO THAT ACCEPTABLE VISIBILITY IS MAINTAINED

Essex Large Refuse Vehicle (3 axle)

Overall Length	10.342m
Overall Width	2.450m
Overall Body Height	3.814m
Min Body Ground Clearance	0.366m
Track Width	2.450m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	9.500m

KEY TO LIGHTING - REFER TO MMA DRAWINGS FOR FURTHER DETAILS

- 6m URBIS AMPERA MINI NW LED LANTERN (SEE SPECIFICATION BELOW)
- 10m URBIS AMPERA MIDI LED LANTERN
- REPLACE EXISTING COLUMN WITH 10m ECC SPEC COLUMN AND MOVE TO BACK OF PATH.
- PROPOSED COLUMN NC02 ON ADJACENT SCHEME TO BE MOVED TO BACK OF PATH.
- EXISTING COLUMN ON S278 TO INDICATE TIE IN.
- EXISTING COLUMN ON S278 TO BE REMOVED TO LICENSED TIP.

KEY

- CARRIAGEWAY
- FOOTWAY
- NON ADOPTABLE VERGE TO MAINTAINED BY MANAGEMENT COMPANY
- HARDSTANDING AREA
- HIGH FRICTION SURFACING TO HAVE MINIMUM OF 68+ PSV ON APPROACH TO TOUCAN CROSSING, BUFF HFS
- UNCONTROLLED BLISTER TACTILE CROSSING
- CONTROLLED BLISTER TACTILE CROSSING
- 4.5m X 120m VISIBILITY
- APPLICATION BOUNDARY
- PROPOSED TIMBER BOLLARD, OR SIMILAR APPROVED
- PROPOSED ROAD GULLY, TO BE CONNECTED TO EXISTING GULLY LEAD
- PROPOSED ROAD SIGN LOCATION

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. 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.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. 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 ESSEX COUNTY COUNCIL SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS
7. THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
8. UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE.
9. 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.
10. ALL SETTING OUT SHALL BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.
11. THIS DRAWING HAS BEEN BASED UPON A TOPOGRAPHICAL SURVEY PRODUCED BY SURVEY SOLUTIONS.
12. UPON COMPLETION OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MAINTENANCE REPAIRS TO RETURN THE HIGHWAY TO ITS FORMER CONDITION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL AUTHORITY PRIOR TO COMMENCING WORKS ON THE HIGHWAY.

CDM NOTES:

14. THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT.
15. WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
16. WORKS WITHIN AND ABUTTING 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 DEPARTMENT.
17. HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
18. 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.
19. THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

ROAD MARKING NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. 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.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. ALL ROAD MARKINGS SHALL BE IN ACCORDANCE WITH : THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002' AND TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
7. ALL SURFACE MARKINGS SHALL BE SCREED APPLIED IN THERMOPLASTIC MATERIAL COMPLING WITH BS3262: PART 1, CLASS A. MARKING THICKNESS SHALL BE 4MM + OR - 1MM.
8. ALL SURFACE MARKINGS SHALL BE REFLECTORISED BY MEANS OF SPHERICAL GLASS BEADS TO BSEN1423, CLASS A, PREMIXED DURING COMPOUNDING AT A RATE OF 20% BY WEIGHT AND ADDITIONALLY BY SPHERICAL GLASS BEADS TO BSEN1423, CLASS B, SURFACE APPLIED DURING APPLICATION AT A RATE OF 400-500G/M².
9. THE SKID RESISTANCE OF ALL SURFACE MARKINGS SHALL NOT BE LESS THAN 55.
10. EXACT LOCATIONS OF THE SURFACE MARKINGS SHALL BE AGREED ON SITE WITH THE ENGINEER PRIOR TO THEIR PERMANENT APPLICATION.

TENDER ISSUE NOT FOR CONSTRUCTION

SUBJECT TO APPROVAL

Rev	Description	Drn	Chk	App	Date
F	DRAWING AMENDED FOLLOWING ESSEX HIGHWAYS COMMENTS. 08.12.16	DE	AF	CBP	09.12.16
E	VERGE STATED AS NON ADOPTABLE, VERGE AROUND PILLAR REMOVED. ROOT PROTECTION NOTE ADDED	DE	AF	CBP	07.12.16
D	LAYOUT AMENDED TO ACCOMODATE SIGNAL CONTROLLER LOCATION, S278 EXTENT AMENDED	DE	AF	CBP	01.12.16
C	DETAILS AMENDED FOLLOWING COMMENTS FROM ESSEX HIGHWAYS RSA 09.08.16	DE	AF	CBP	26.08.16
B	DETAILS AMENDED FOLLOWING COMMENTS FROM ESSEX HIGHWAYS 03.08.16	DE	AF	CBP	09.08.16
A	STREET LIGHTING LAYOUT UPDATED & RSA STAGE 2 COMMENTS CONSIDERED	AF	AF	CBP	20.04.16

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Client: SEVERALLS HOSPITAL DEVELOPMENT CONSORTIUM

Project Title: SEVERALLS HOSPITAL, COLCHESTER

Drawing Title: S278 NORTHERN APPROACH ROAD GENERAL ARRANGEMENT

A1 Scale	Date	Designed by
1:250	MARCH 2016	DE
Drawn by: DE	Checked by: AF	Approved by: CBP

Drawing Number: C623 - 100 Rev F

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