

- 1. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS
- 2. 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.
- 3. DRAWING HAS BEEN BASED UPON TOPOGRAPHICAL SURVEY SURV 2329 REV B PRODUCED BY COUNTRYSIDE PROPERTIES DATED 24.07.18.
- 4. DRAWING HAS BEEN BASED ON SITE LAYOUT SL.01 REV P11 BY THRIVE ARCHITECTS DATED 07.06.21

ELEVATION DATA			
No.	MIN. ELEVATION (m)	MAX. ELEVATION (m)	COLOUR
1	-2.67	-2.00	
2	-2.00	-1.50	
3	-1.50	-1.00	
4	-1.00	-0.80	
5	-0.80	-0.60	
6	-0.60	-0.40	
7	-0.40	-0.20	
8	-0.20	0.00	
9	0.00	0.20	
10	0.20	0.40	
11	0.40	0.60	
12	0.60	0.80	
13	0.80	1.00	
14	1.00	1.25	
15	1.25	1.50	
16	1.50	1.75	
17	1.75	2.15	

DEVELOPMENT AREA POINTS +101.195 PROPOSED GROUND LEVEL
101.169 EXISTING GROUND LEVEL

MAJOR CONTOURS

MINOR CONTOURS

FFL 99.075 PROPOSED FINISHED FLOOR LEVEL

FOR CUT AND FILL CALCULATIONS REFER TO DRAWING: C00185-ACE-IG-XX-DR-C-P005

FOR CUT AND FILL LONGSECTIONS REFER TO DRAWINGS: C00185-ACE-IG-XX-DR-C-P006 TO P008

BULK EARTHWORKS VOLUME (ESTABLISHED $\overline{\rm BY}$ COMPARING THE FINISHED DEVELOPMENT LEVELS TO THE TOPSOIL STRIP SURFACE)

FILL - 7821.59m³ CUT - 2074.56m³

7821.59m³ - 2074.56m³ = **5747.03**m³ 5747m³ (FILL/IMPORT)

> WORK IN **PROGRESS**

Drn Chk App Date Rev Description CONSULTING

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



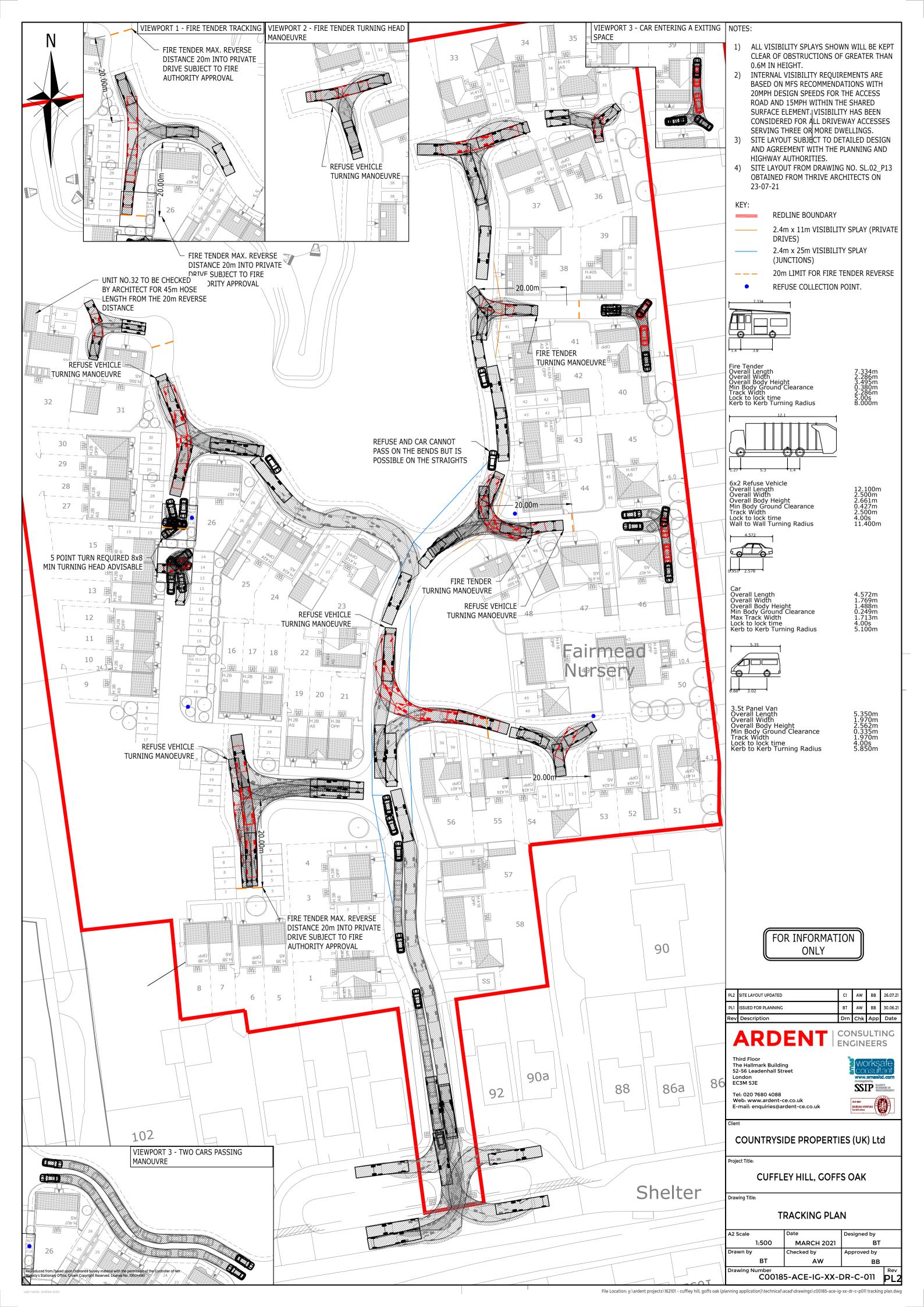
COUNTRYSIDE PROPERTIES (UK) Ltd

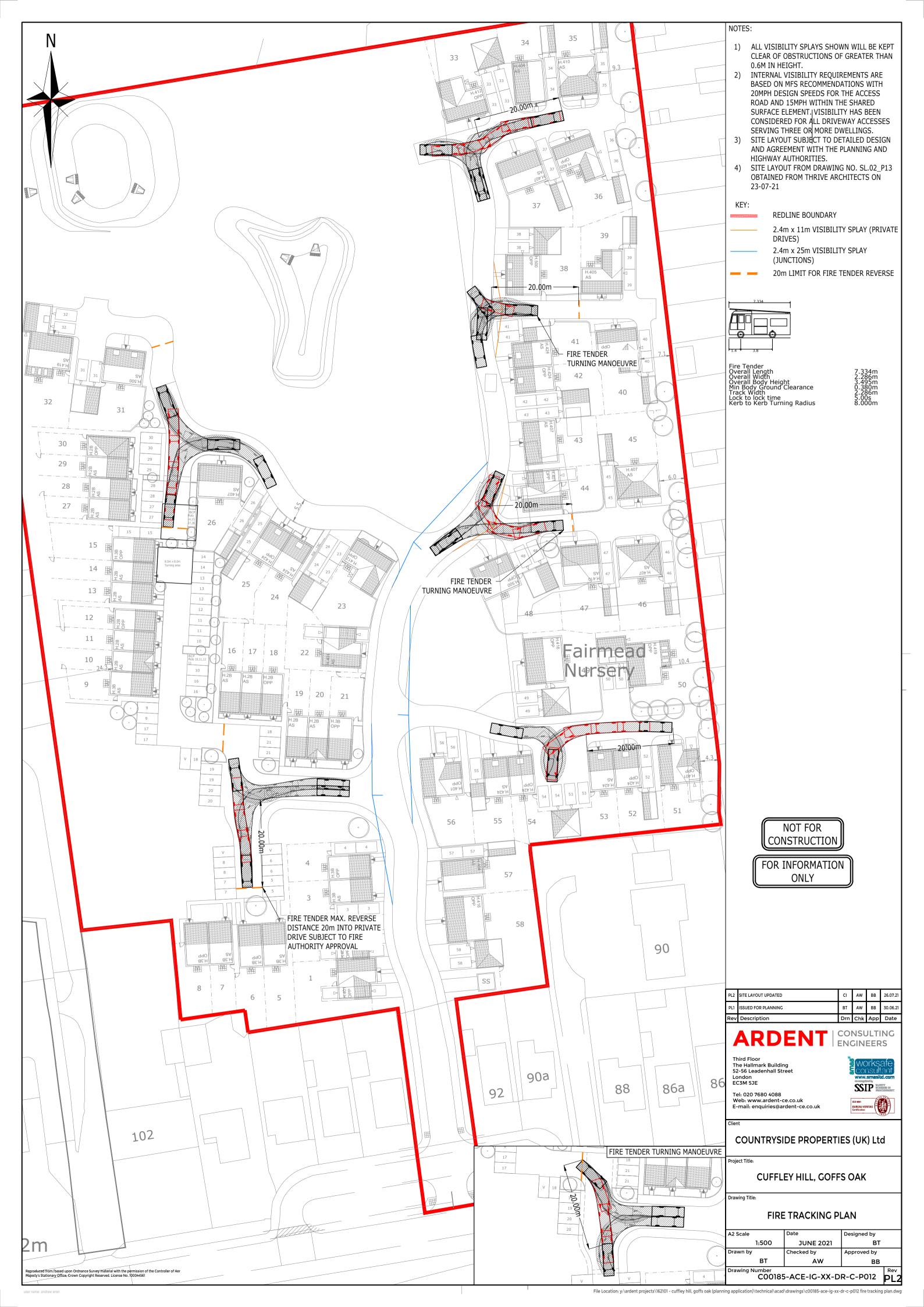
CUFFLEY HILL, GOFFS OAK

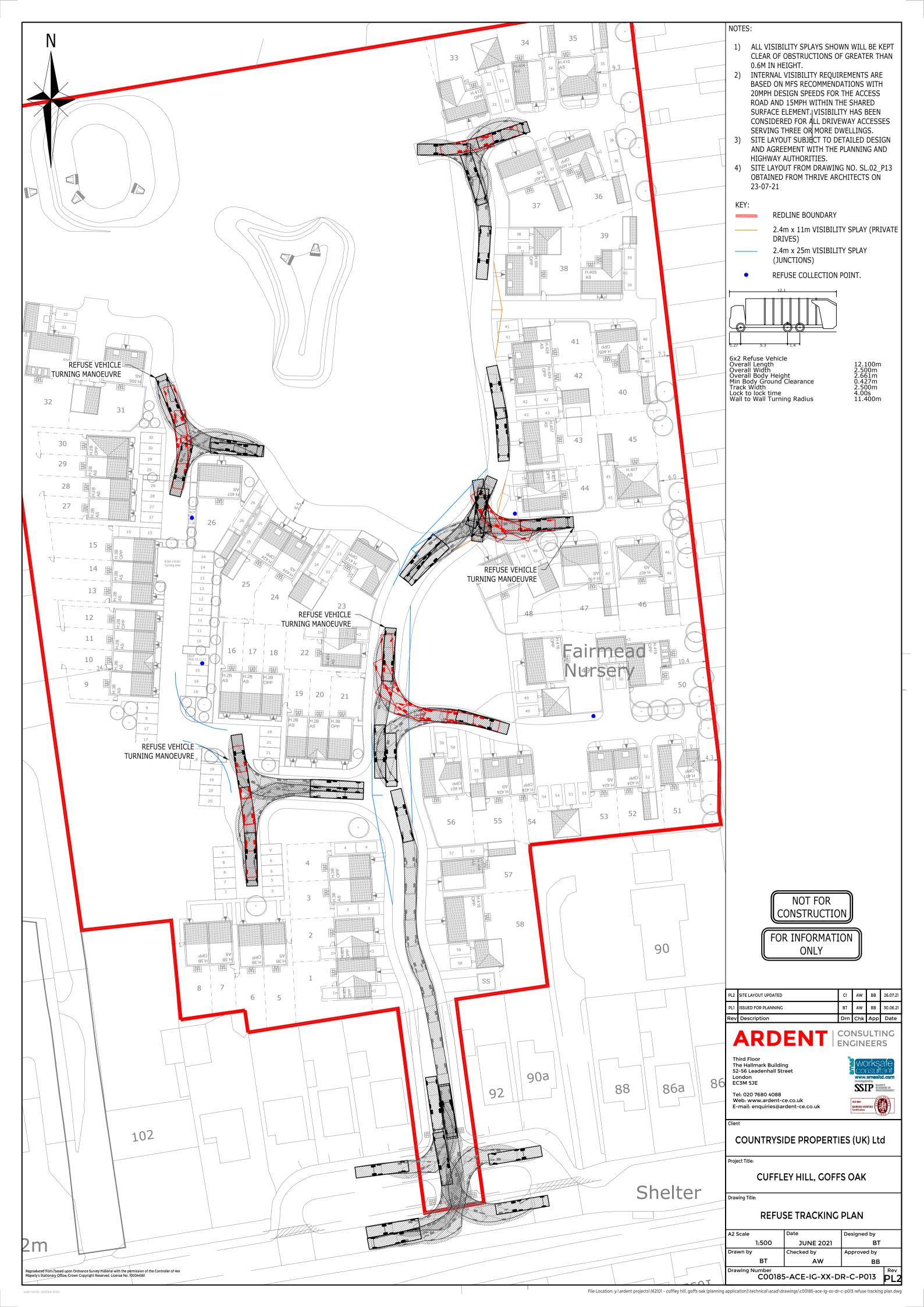
Drawing Title: **CUT AND FILL** ISOPACHYTE

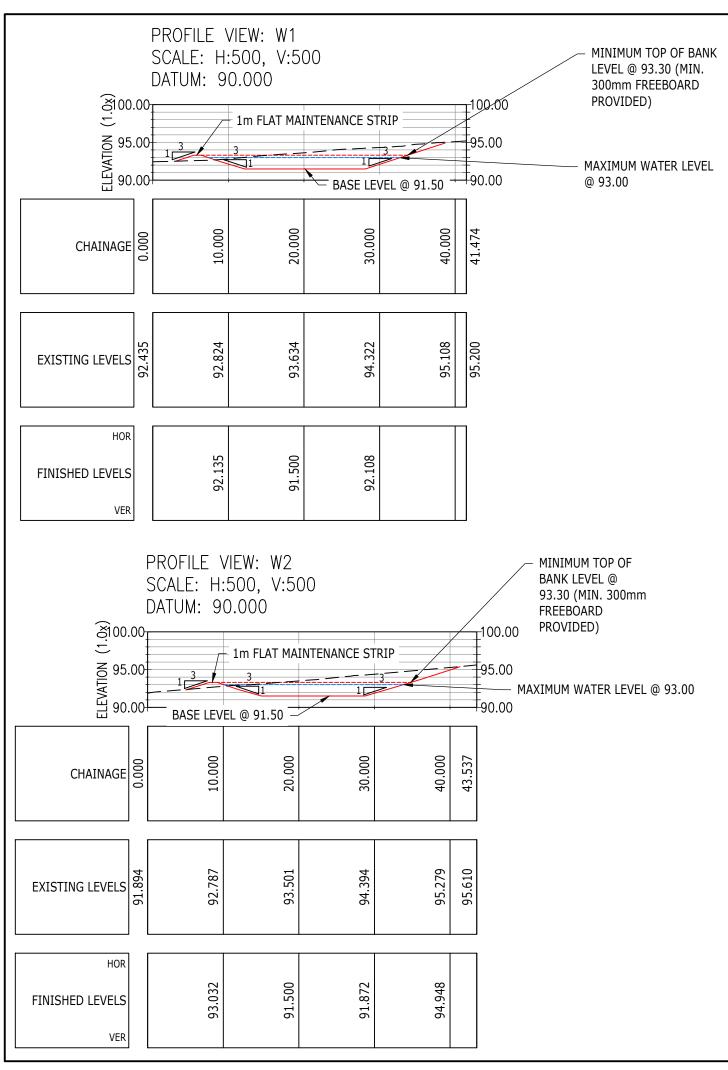
A1 Scale Designed by 1:500 **JULY 2021** DSR Drawn by Checked by Approved by

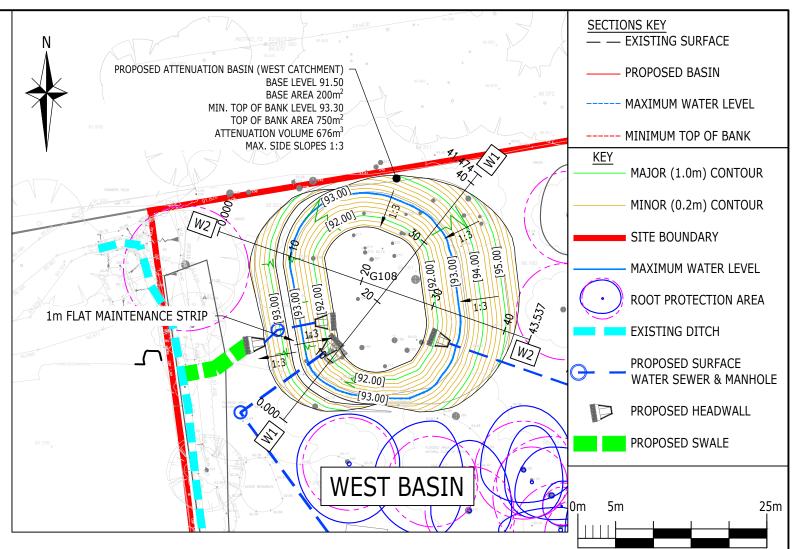
Drawing Number C00185-ACE-IG-XX-DR-C-P010 $File \ Location: y: \ ardent \ projects \ \ 162101-cuffley \ hill, \ goffs \ oak \ (planning \ application) \ \ technical \ \ acad \ \ drawings \ \ couls 5-ace-ig-xx-dr-c-p010 \ cut \ and \ fill \ is opachyte. dwg \ \ drawings \ \ couls 5-ace-ig-xx-dr-c-p010 \ cut \ and \ fill \ is opachyte. dwg \ \ drawings \ \ couls 5-ace-ig-xx-dr-c-p010 \ cut \ and \ fill \ \ is opachyte. dwg \ \ drawings \ \ couls 5-ace-ig-xx-dr-c-p010 \ cut \ and \ fill \ \ is opachyte. dwg \ \ drawings \ \$











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- 4. ALL LEVELS STATED ARE IN METRES ABOVE ORDNANCE DATUM.
- 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.
- PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF THE EXISTING SPURS AND MANHOLE CHAMBERS TO WHICH ANY CONNECTIONS ARE TO BE MADE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- 8. THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER
- 9. UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE
- 10. 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
- 11. UPON COMPLETION OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE
 ALL NECESSARY MAINTENANCE REPAIRS TO RETURN THE HIGHWAY TO ITS
 FORMER CONDITION
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL AUTHORITY PRIOR TO COMMENCING WORKS ON EXISTING OR PARTLY CONSTRUCTED ADOPTABLE HIGHWAY
- 13. ALL EXISTING LEVELS, GRADIENTS, DEPTHS ETC. TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 14. THE SETTING OUT OF THE DRAINAGE WORKS IS TO BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.

- 15. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE DRAINAGE WORKS FOR THE DURATION OF THE CONTRACT.
- 16. THE CONTRACTOR SHALL CONTACT ALL OF THE APPROPRIATE STATUTORY UNDERTAKERS AND ESTABLISH THE EXACT LOCATION OF ALL SERVICES, PRIOR TO THE COMMENCEMENT OF THE WORKS, BY HAND DUG TRIAL PITS.
- 17. 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 STANDARD DETAILS.
- 18. THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
- 19. UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL NOT SUITABLE FOR RE-USE SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE.

CDM NOTES

- 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.
- WORKS IN THE VICINITY OF LIVE SERVICES WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- 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
- 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 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.

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Scale: 1:500

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JUNE 2021

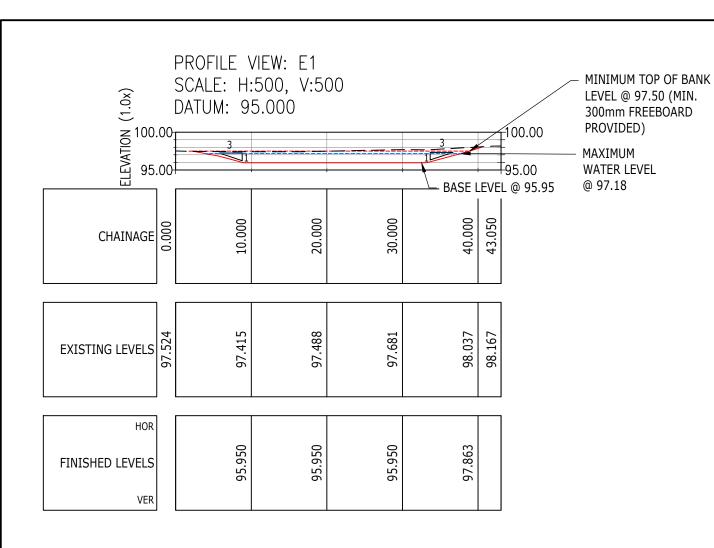
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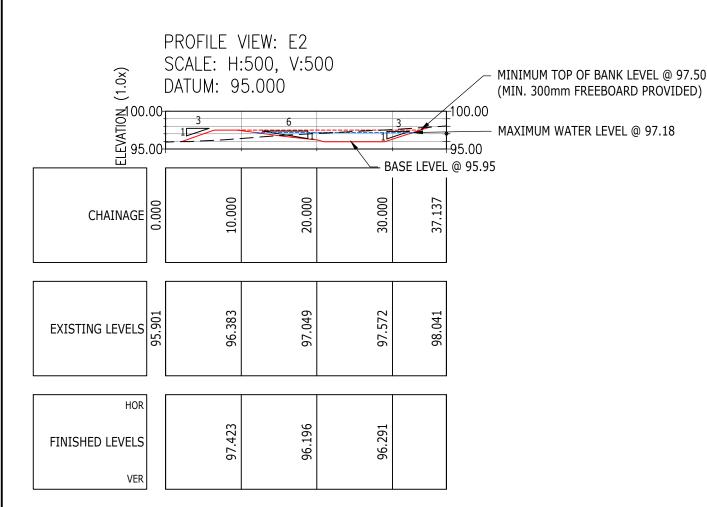
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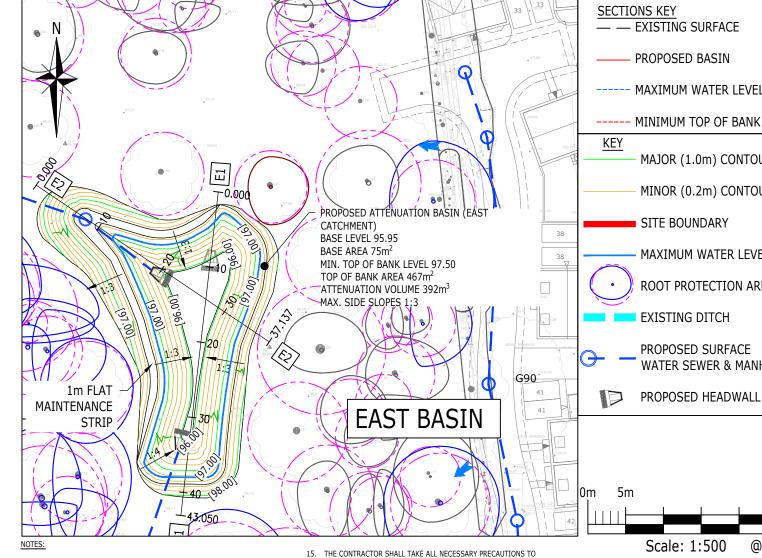
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l0m 5m 25m @A3Scale: 1:500 ONSTRUCTIO FOR PLANNING ISSUED FOR PLANNING CONSULTING ENGINEERS

SECTIONS KEY

KEY

— — EXISTING SURFACE

PROPOSED BASIN

--- MAXIMUM WATER LEVEL

MAJOR (1.0m) CONTOUR

MINOR (0.2m) CONTOUR

MAXIMUM WATER LEVEL

ROOT PROTECTION AREA

SITE BOUNDARY

EXISTING DITCH

PROPOSED SURFACE WATER SEWER & MANHOLE

PROPOSED HEADWALL



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