



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.

EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW

- KEY**
- LANDSCAPE AND VISUAL IMPACT ASSESSMENT (LVA) STUDY AREA
 - ZONE OF THEORETICAL VISIBILITY (ZTV)
 - SCHEME
 - AREA OF SEARCH - ZTV PROCESSING EXTENT (15KM)
 - ZTV POINT
 - BUILDINGS
 - WOODLAND (NATIONAL TREE MAP DATA USED WITHIN 1KM OF THE SCHEME. NATIONAL FOREST INVENTORY USED BEYOND 1KM)

NOTES:

1) Zone of Theoretical Visibility (ZTV) has been generated using National Highways digital terrain model which does not take into account the screening effects of vegetation, buildings or any other structures. Woodland from the Forestry Commission National Forestry Inventory (2021) with an assumed height of 12m and mean tree canopy height from the National Tree Map have been incorporated into the DTM.

2) ZTV is based upon selected points along the Scheme at heights shown in the table, with an observer height of 1.6m. The individual ZTVs for each point have been combined into a single ZTV for the proposed Scheme. All heights mentioned are above ground level (AGL). Buildings from Ordnance Survey MasterMap have been incorporated using the Absolute Max Height Value.

PER Vol. 3 Comments	AW	SM	05/01/22	02
Revision Details	By	Check	Date	Suffix

Purpose of Issue
PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

Client
NATIONAL HIGHWAYS
Bridge House
1 Walnut Tree Close
Guildford
Surrey

Working on behalf of
national highways

Project Title
A27 ARUNDEL BYPASS

Drawing Title
FIGURE 7-2 SCREENED ZTV OVERVIEW

Designed AW	Drawn AW	Checked CW	Approved SH	Date 05/01/2022
Internal Project No. 60642441	Suitability S4			
Scale @ A3 1:125,000	Volume ELS			

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Drawing Number Highways England PIN HE551523 ZZ	Originator -BAM	Volume -ELS- -DR -LV -0004	Rev P02
Location	Type	Role	Number

ZTV Point	Height (AGL)
1	31.5m
2	28.1m
3	22.6m
4	14.7m
5	16.1m
6	15.1m
7	12.5m
8	14.7m
9	13.7m
10	16.1m
11	15.2m
12	17.6m
13	20.8m
14	19.3m

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