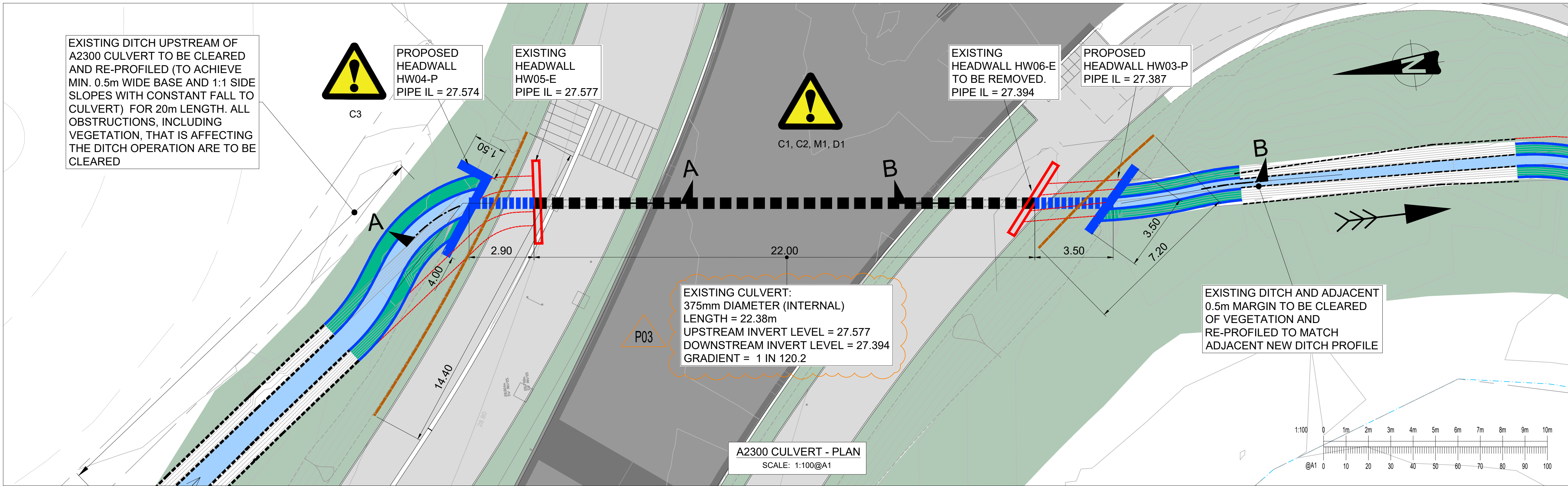




This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Infrastructure & Environment Limited, and the drawing is issued on the condition that it is not copied, reproduced, related or disclosed to any unauthorised person, either wholly or in part without the consent in writing of Waterman Infrastructure & Environment Limited
Pickfords Wharf, Clink Street, London SE1 9DG 1 020 7928 7888 1 03333 444 501

GENERAL NOTES

KEY:

EXISTING REMOVED / ABANDONED:

--- DITCH
--- HEADWALL

EXISTING RETAINED:

--- DITCH
--- CULVERT
--- HEADWALL

NEW / PROPOSED:

--- DITCH
--- CULVERT
--- HEADWALL
--- TIMBER POST & 3-RAIL FENCE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
UNUSUAL SIGNIFICANT HAZARDS

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

C1. Underground services being struck / damaged. Record drawings, as-builts or tracing of services are likely to be incomplete and/or inaccurate to some extent and should not be relied upon.
C2. As well as unknown services, additional supplies or diversions may have been installed during adjacent phases of the development. New supplies are also proposed under this scheme, including street lighting electrical supply which needs to be coordinated with proposed works.
C3. New water main is being installed along north side of A2300 in early 2025. A proposed route has been suggested (see drawings 19442-WIE-ZZ-XX-DR-C-041601 & 041602) to coordinate with the WBLR phase 3 scheme however the installed water main route may differ.

MAINTENANCE / CLEANING

M1. Underground services in close proximity to drainage, including electrical supply to street lighting columns.

DECOMMISSIONING / DEMOLITION

D1. Underground services in close proximity to drainage, including electrical supply to street lighting columns.

P03	21.07.25	CULVERT LONGFALL FIGURE CORRECTED	SP
P02	25.04.25	AMENDMENTS FOLLOWING CLIENT COMMENTS	SP
P01	26.03.25	FIRST ISSUE	SP
Rev	Date	Description	By

Amendments

Project

WBLR Phase 3

Title
DRAINAGE
DITCHES & CULVERTS
SHEET 2
(A2300 CULVERT)

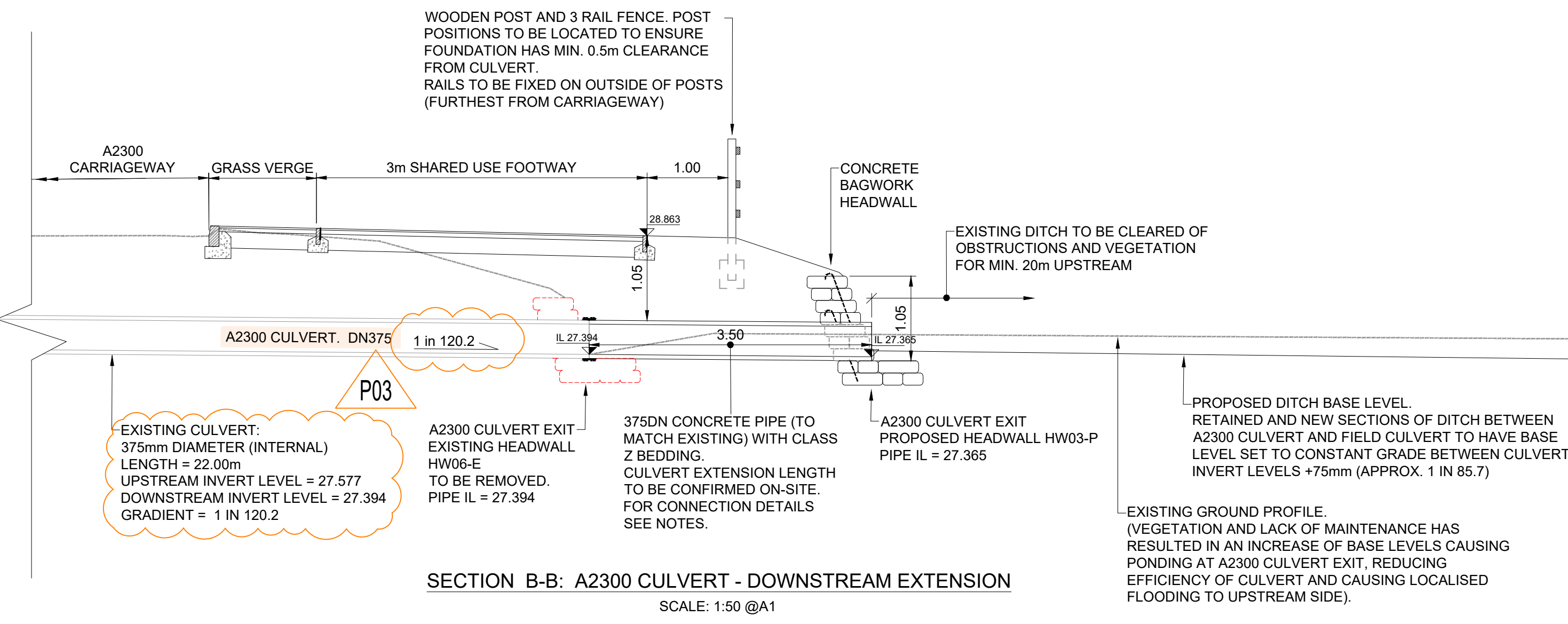
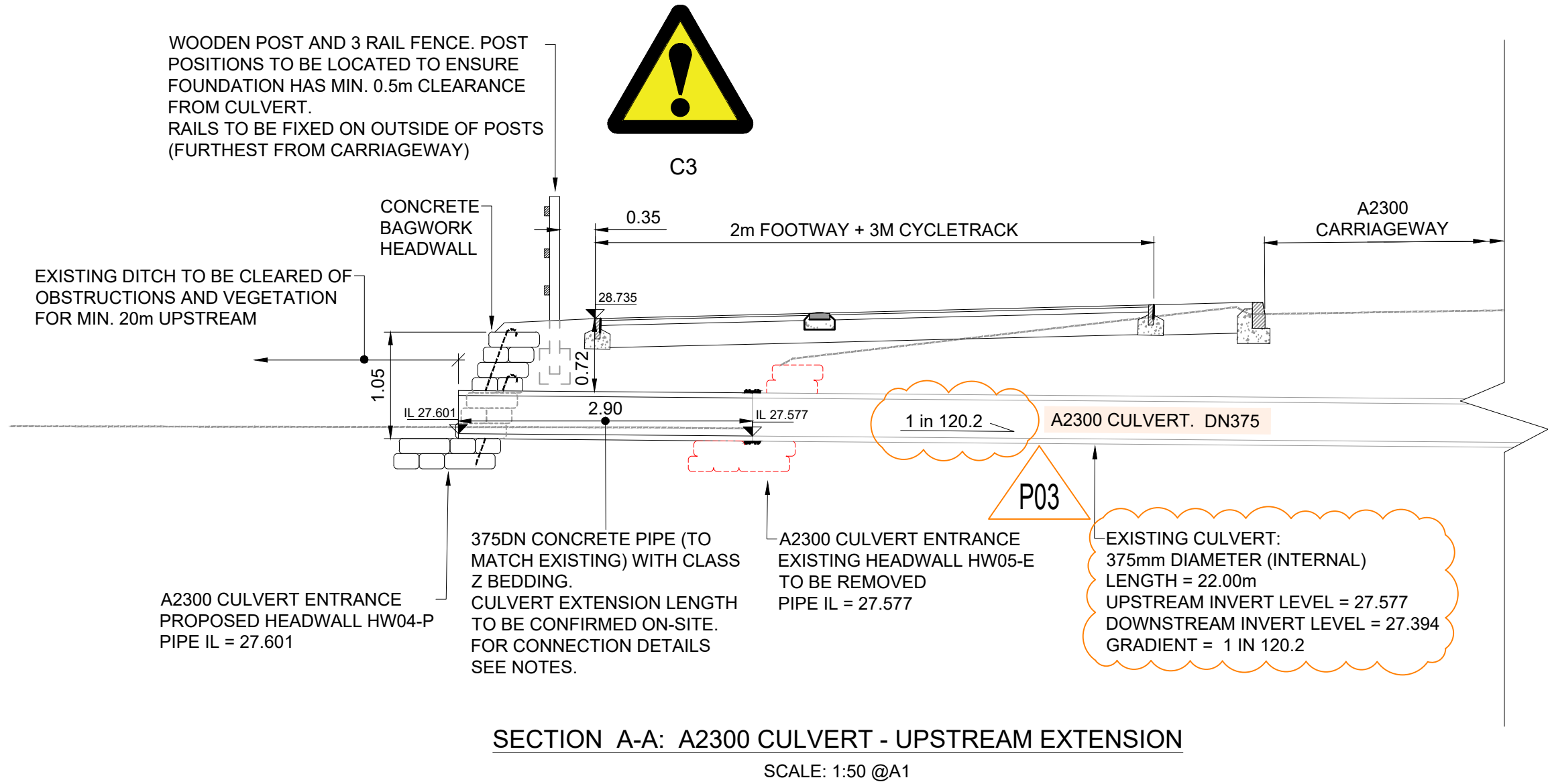
Client
Homes England
Jackson

waterman
Crown House 2 - 8 Gloucester Road Redhill Surrey RH1 1FH
1 01342 893800 1 03333 444 501
mail@watermangroup.com www.watermangroup.com

FOR TECHNICAL APPROVAL

Designed By	JH/SP	Checked By	JH	Waterman Ref	WIE19442
Drawn By	SP	Date	MARCH 25	Scales @ A1	AS SHOWN

Project	Originator	Volume	Level	Type	Role	Number	Revision
19442-WIE-ZZ-XX-DR-C-900542							P03



NOTES:

- CONCRETE BAGWORK HEADWALLS TO WSCC DETAIL S278/38/23.
- FOR PIPE MATERIAL AND CLASS Z BEDDING REQUIREMENTS SEE REQUIREMENTS SEE S278/38/11 & S278/38/33.
- THE CONTRACTOR SHALL CONFIRM LENGTHS OF CULVERT PIPEWORK ON-SITE BEFORE ORDERING / CUTTING TO LENGTH.
- CULVERT EXTENSIONS / PIPE CONNECTIONS:
 - TO BE FORMED USING FERNCO SHEAR BANDED STANDARD COUPLINGS OR SIMILAR APPROVED.
 - EXISTING CULVERT TO BE CUT BACK IF NEEDED TO FORM CLEAN SQUARE END.
 - CONTRACTOR TO INSPECT EXPOSED END OF EXISTING PIPE TO CONFIRM FREE FROM DEFECTS OR DAMAGE. ANY IMPERFECTIONS IN THE CONCRETE AREAS TO BE CLAMPED, IN BOTH EXISTING AND NEW PIPES, SHALL BE MADE SMOOTH/NEAT WITH CEMENT GROUT AND ALLOWED TO CURE PRIOR TO CLAMPING.
 - SUBJECT TO REVIEW AND AGREEMENT ON SITE WITH WSCC, PARTS OF EXISTING HEADWALL STRUCTURES MAY BE RETAINED TO MINIMISE DISTURBANCE TO EXISTING CULVERT.
- DITCHES TO WSCC DETAIL S278/38/25 TYPE B. NO LINER. DIMENSIONS AS SECTION ON THIS DRAWING.
- TIMBER 3-RAIL FENCE TO NATIONAL HIGHWAYS HIGHWAY CONSTRUCTION DETAIL (HCD) H15, WITH ST2 CONCRETE FOUNDATIONS. SEE DRAWING FOR WHICH SIDE OF POSTS RAILS ARE TO BE FIXED TO.
- EXISTING DITCHES TO BE REMOVED: THE DITCH IS TO BE EXCAVATED TO REMOVE ALL SILTS, ORGANIC AND OTHER SOFT MATERIAL, THEN BACKFILLED WITH 6F1/6F2 TO FORMATION OF PROPOSED WORKS ABOVE
- FOR CLARITY, WHERE EXISTING DITCH PASSES THROUGH NEW DITCH LAYOUT, REMOVAL LINEWORK (RED DASHED) IS NOT SHOWN HOWEVER SOME WORKS WILL BE REQUIRED, INCLUDING SOME INFILL, TO FORM THE NEW DITCH PROFILE.

