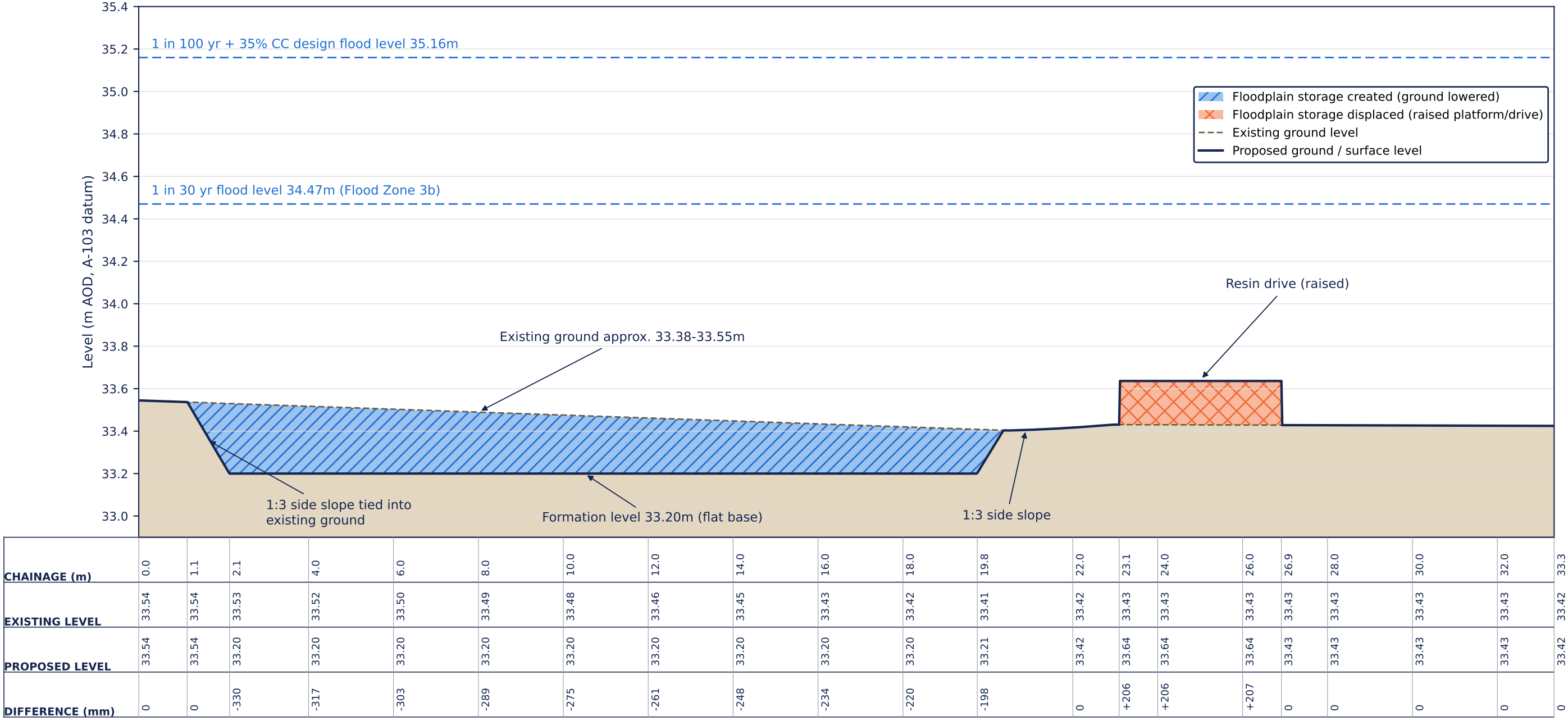


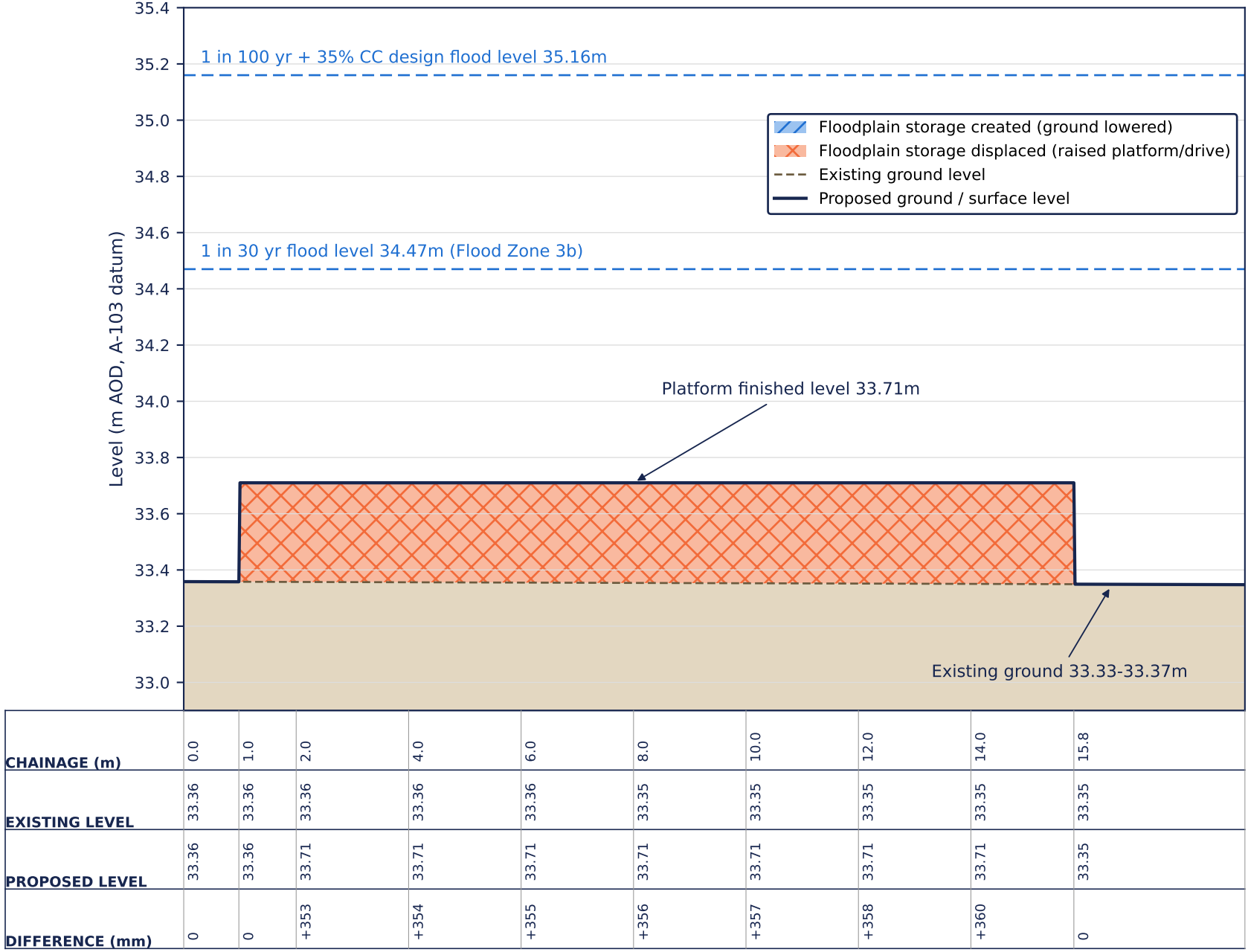
SECTION A-A THROUGH FLOODPLAIN COMPENSATION AREA AND DRIVE

Horizontal 1:100, vertical 1:20 (5x exaggerated)



SECTION B-B THROUGH RAISED PARKING PLATFORM

Horizontal 1:100, vertical 1:20 (5x exaggerated)



KEY FIGURES

- Volume displaced by raised platform & drive: 55.0 m³ (footprint approx. 201 m², raised by average 274 mm, max 381 mm).
- Volume provided by lowered area: 68.6 m³ (approx. 283 m² at top of slope; flat base approx. 236 m² at 33.20m).
- Ground lowered by approx. 185-341 mm (existing ground estimated at 33.38-33.55m).
- Surplus storage: 13.6 m³ (25%).
- Existing levels in the lowered area to be confirmed by topographic survey before works; minimum storage to be provided is 55 m³.

- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT REPORTS, PLANS AND ARCHITECTURAL DRAWINGS.
 - THIS DRAWING SHOULD NOT BE SCALED. THERE SHOULD BE NO RELIANCE ON THIS DRAWING WITH REGARDS TO DIMENSIONS. ALL DIMENSIONS SHOULD BE CONFIRMED ON SITE.
 - ANY DISCREPANCY ON THIS DRAWING SHOULD BE REPORTED TO AEGAEA IMMEDIATELY FOR CLARIFICATION.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL WORKS AND FOR THE STABILITY, INSTALLATION AND HEALTH AND SAFETY OF THE WORKS.
 - AEGAEA HAVE PRODUCED THIS DRAWING BASED ON THE DRAWINGS AND INFORMATION PROVIDED BY THE CLIENT AVAILABLE AT THE TIME OF PRODUCTION. WE CANNOT ACCEPT RESPONSIBILITY FOR DISCREPANCIES RESULTING FROM NEW PLANS/ INFORMATION BEING ISSUED POST-ISSUE OF THIS DRAWING. THE CONTRACTOR SHOULD REVIEW THIS DRAWING IN LIGHT OF WIDER SITE INFORMATION SUCH AS CONTAMINATION, UTILITIES SURVEYS AND SITE INVESTIGATIONS.
 - IT IS THE RESPONSIBILITY OF THE PRINCIPLE CONTRACTOR TO MAKE THE DESIGNER AND CLIENT AWARE OF SITE-SPECIFIC RISKS AND HAZARDS THAT MAY AFFECT THE DRAWING AND SPECIFICATION.

LEGEND

- Floodplain storage displaced (raised platform / drive)
- Floodplain storage created (ground lowered)
- Modelled flood level

CLIENT:

Mr A Moller

SITE:

The Moorings, Loddon Drive,
Wargrave RG10 8HL

DRAWING:

FLOODPLAIN COMPENSATION
SECTIONS & STORAGE ASSESSMENT

DRAWING NUMBER:

AEG11414-FC-002

DATE:

08/10/2026

REV:

P01

DRAWN BY:

NB

DRAWING SCALE:

H 1:100, V 1:20 @ A1

PRELIMINARY DRAWING
FOR PLANNING ONLY - NOT FOR
CONSTRUCTION

aegaea
Flood risk, water and environment

LEVEL-FOR-LEVEL FLOODPLAIN STORAGE ASSESSMENT (100 mm SLICES)

Level slice (m)	Storage displaced by platform/drive (m³)	Storage provided by lowered area (m³)	Net change in slice (m³)	Cumulative displaced below top of slice (m³)	Cumulative provided below top of slice (m³)
33.60 - 33.71	15.6	0.0	-15.6	55.0	68.6
33.50 - 33.60	18.0	1.3	-16.7	39.4	68.6
33.40 - 33.50	16.1	16.7	+0.6	21.4	67.3
33.30 - 33.40	5.4	26.2	+20.8	5.4	50.6
33.20 - 33.30	0.0	24.5	+24.5	0.0	24.5
TOTAL	55.0	68.6	+13.6		

ASSESSMENT BASIS

- Displaced volume calculated from the A-103 levels: existing ground modelled as a plane through spot levels 33.33-33.51m; platform finished level 33.71m; drive grading from 33.71m to 33.51m at the road.
- The garden is essentially flat, and no ground on site lies higher than the original ground beneath the platform, so the upper slices (above 33.50m) cannot be replicated by excavation. The shortfall is provided in the slices immediately below, giving an overall surplus.
- Cumulative columns show that, at every water level, storage created below that level equals or exceeds storage displaced, so there is no net loss of floodplain storage at any stage of a flood.
- Flood levels from the EA Thames (Sonning to Hurley) 2019 model, as reported in the Aegaea FRA (AEG11414).