

FLOOD STORAGE CALCULATIONS ARE BASED ON A DESIGN FLOOD LEVEL OF 8.60m AOD FOR THE 1 IN 100 YEAR PLUS CLIMATE CHANGE (AS ADVISED BY THE EA).

FLOOD STORAGE CALCULATIONS ARE BASED OFF OF SITE SURVEY J. BROTHERTON & PARTNERS SURVEY (REFERENCE Z2110 DATED 22.02.22). LEVELS TAKEN TO ORDNANCE DATUM.

FLOOD STORAGE VOLUMES IN THE EXISTING CASE HAVE BEEN CALCULATED BY CONVERTING THE SITE SURVEY TO A DIGITAL TERRAIN MODEL, THEN UNDERTAKING A VOLUMETRIC DIFFERENCE CALCULATIONS BETWEEN THE EXISTING (DTM) AND DESIGN FLOOD LEVEL OF +8.60m AOD APPLIED UNIFORMLY ACROSS THE SITE.

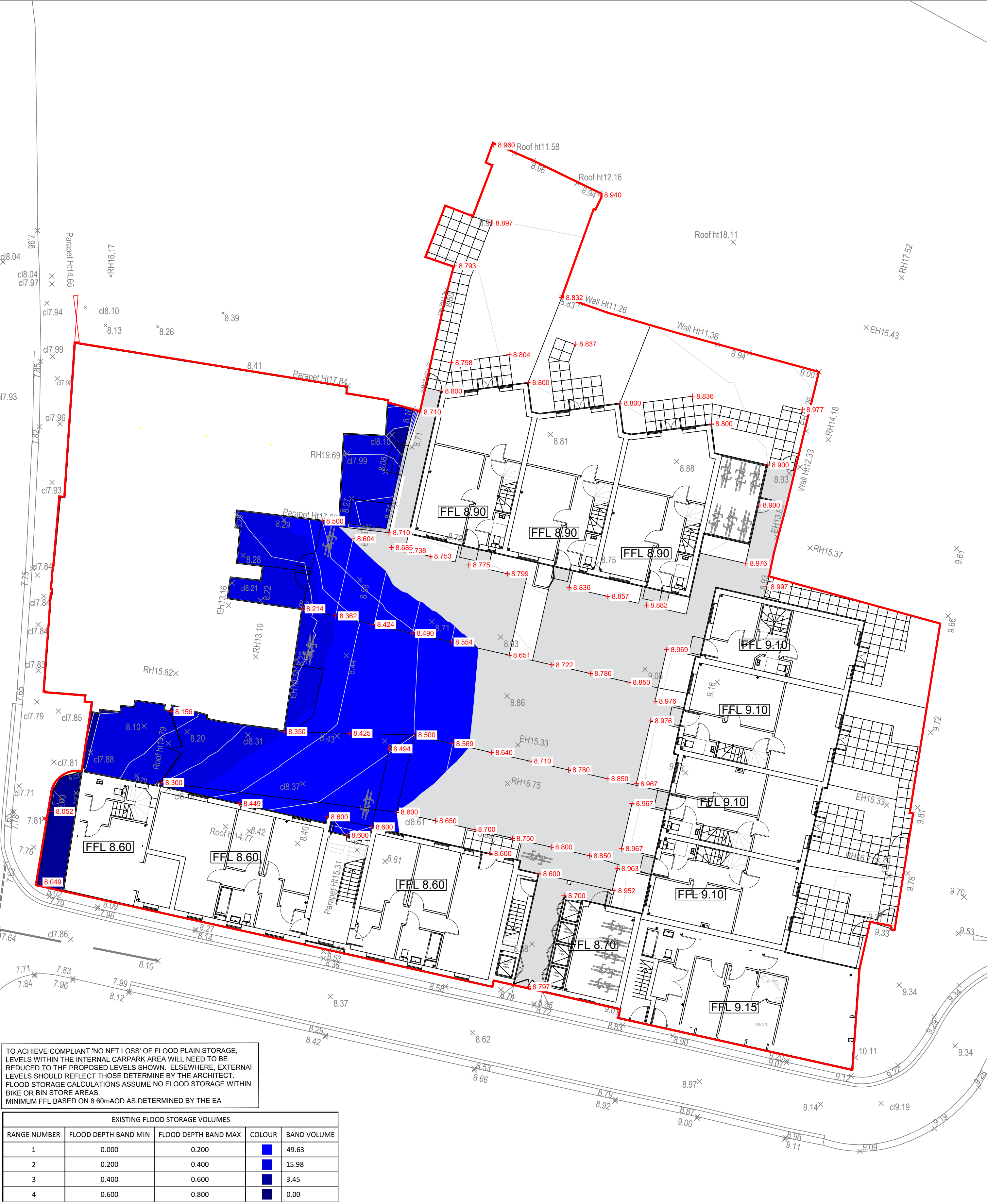
SIMILARLY, FLOOD STORAGE VOLUMES IN THE POST DEVELOPMENT SCENARIO HAVE BEEN CALCULATED BY MODELLING THE PROPOSED SURFACE, WITH ADJUSTED SITE LEVELS TO ACHIEVE NO NET LOSS, AND TAKING A VOLUMETRIC DIFFERENCE BETWEEN THE PROPOSED DTM AND THE DESIGN FLOOD LEVEL.

FLOOD STORAGE AREA BASED ON THE REDLINE BOUNDARY, WITH AN AREA OF 1933m².

WHERE SITE LEVEL DATA HAS NOT BEEN PROVIDED, LEVELS HAVE GENERALLY BE EXTRAPOLATED BETWEEN THE CLOSEST KNOWN POINTS.



FLOOD STORAGE EXTENTS AND VOLUMES IN THE PRE-DEVELOPMENT SCENARIO
TOTAL FLOOD STORAGE PROVIDED IN THE PRE-DEVELOPMENT SCENARIO = 60.12m³



FLOOD STORAGE EXTENTS AND VOLUMES IN THE POST-DEVELOPMENT SCENARIO
TOTAL FLOOD STORAGE PROVIDED IN THE POST-DEVELOPMENT SCENARIO = 60.54m³

ISSUE	DATE	DESCRIPTION