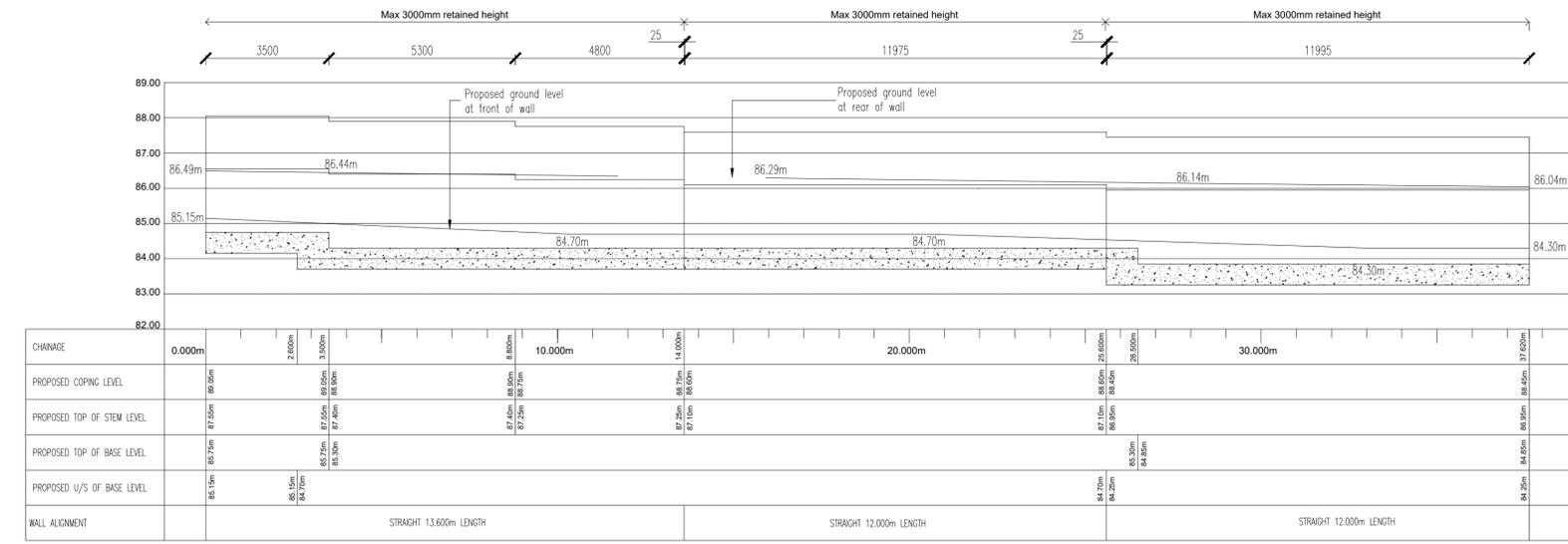


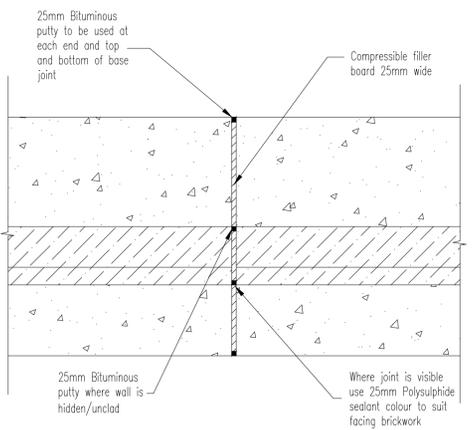
N O T E S

- This drawing is to be read in conjunction with all relevant drawings, details and specifications prepared by ARP Associates for this project.
- Do not scale from this drawing use figured dimensions only.
- All dimensions are in millimetres, UNO. All levels are in metres AOD UNO. All levels and dimensions are to be confirmed at site prior to construction.
- All concrete to be in accordance with BS EN 206-1:2000, reinforcement to BS 4449:2005, Reinforcing mesh to be in accordance with BS4483:2005.
- Concrete for highway retaining walls to be Grade FND22.
- Foundations have been designed assuming a ground bearing pressure of 125kN/m². If ground capable of sustaining this pressure is not found at depth shown, excavation should continue until a suitable strata is encountered.
- Selected well graded granular backfill to be type 6N in accordance with DOT specification for Highway works series 600, Class 613.

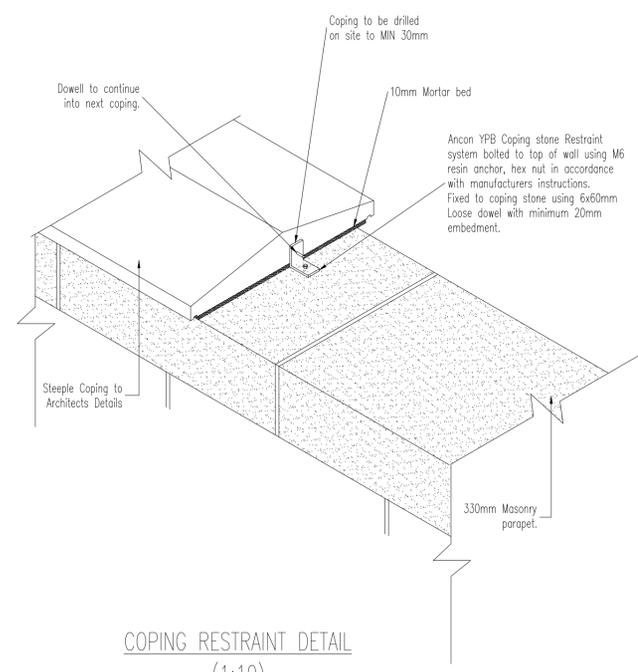
Item	Material	Finish / Location
Mass concrete burr wall	Concrete to the wall to have a minimum strength of C25/30 in accordance with BS 8500-1 and BS EN 206-1	The wall will be faced in natural stonework tied to the mass concrete using Ancon cast in channel type 21/18 Channel ties to be stainless steel Ancon type SF21 x 75 long spaced @ 450 c/c vertically and 900 c/c horizontally in a staggered pattern. Exposed concrete finishes will be class F1 (formed) or class U2 (unformed). Facing stonework mortar designation (B)
Masonry facework	100mm thick stone work	Natural stonework. Mortar to be stone coloured class (B), finish to be flush
Parapet	330mm thick stone work (Min density 2200kg/m ³)	Natural stonework
Waterproofing	All concrete surfaces in contact with soil, backfill or bedding to be waterproofed in accordance with MCH/HTV clauses 2004 & 2006	N/A
Backfill material	Engineering Class 6N, Selected granular fill to Specification for Highways	Backfill to structures
Drainage (for burr wall)	150mm diameter perforated longitudinal drain encased in free draining material (No fines concrete) and taken to a suitable outlet together with 100mm pvc weep pipes at 2m centres	
Movement Joints	25mm compressible filler board, bituminous putty or polysulphide colour sealant	At maximum 10m lengths



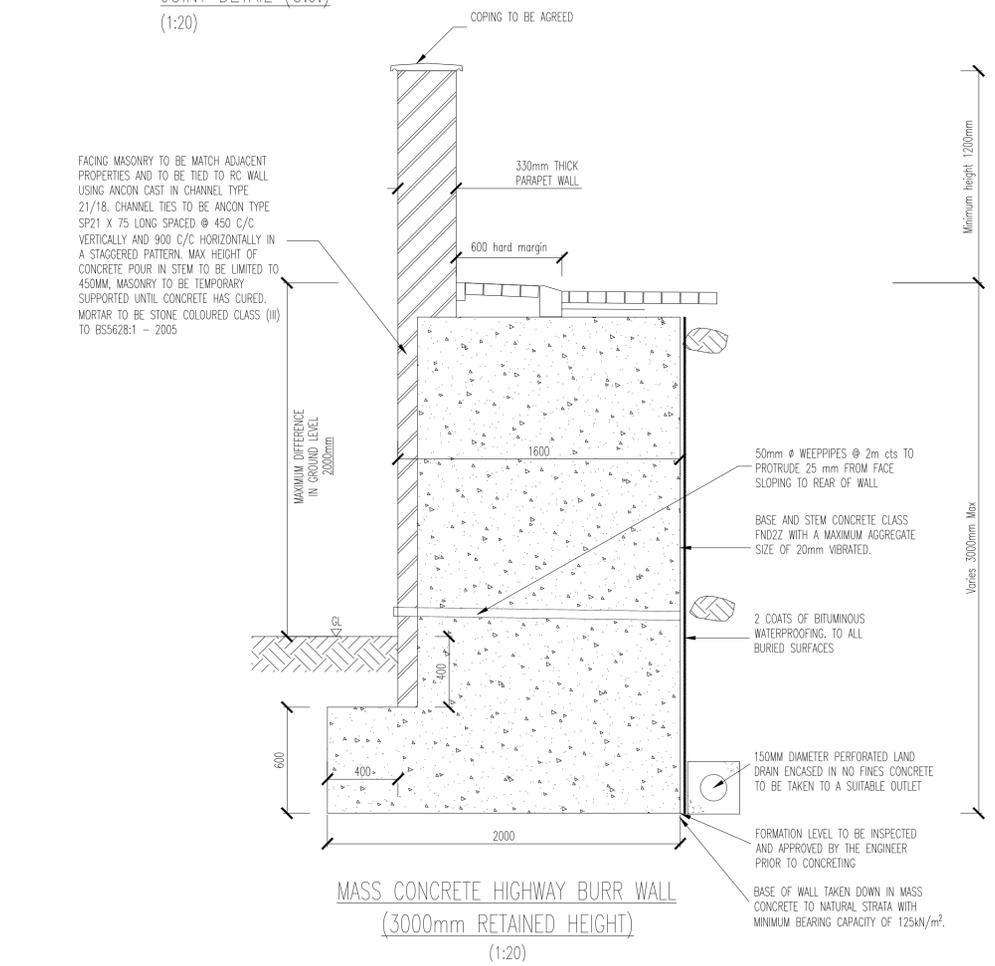
ELEVATION ALONG RETAINING WALL (1:100)



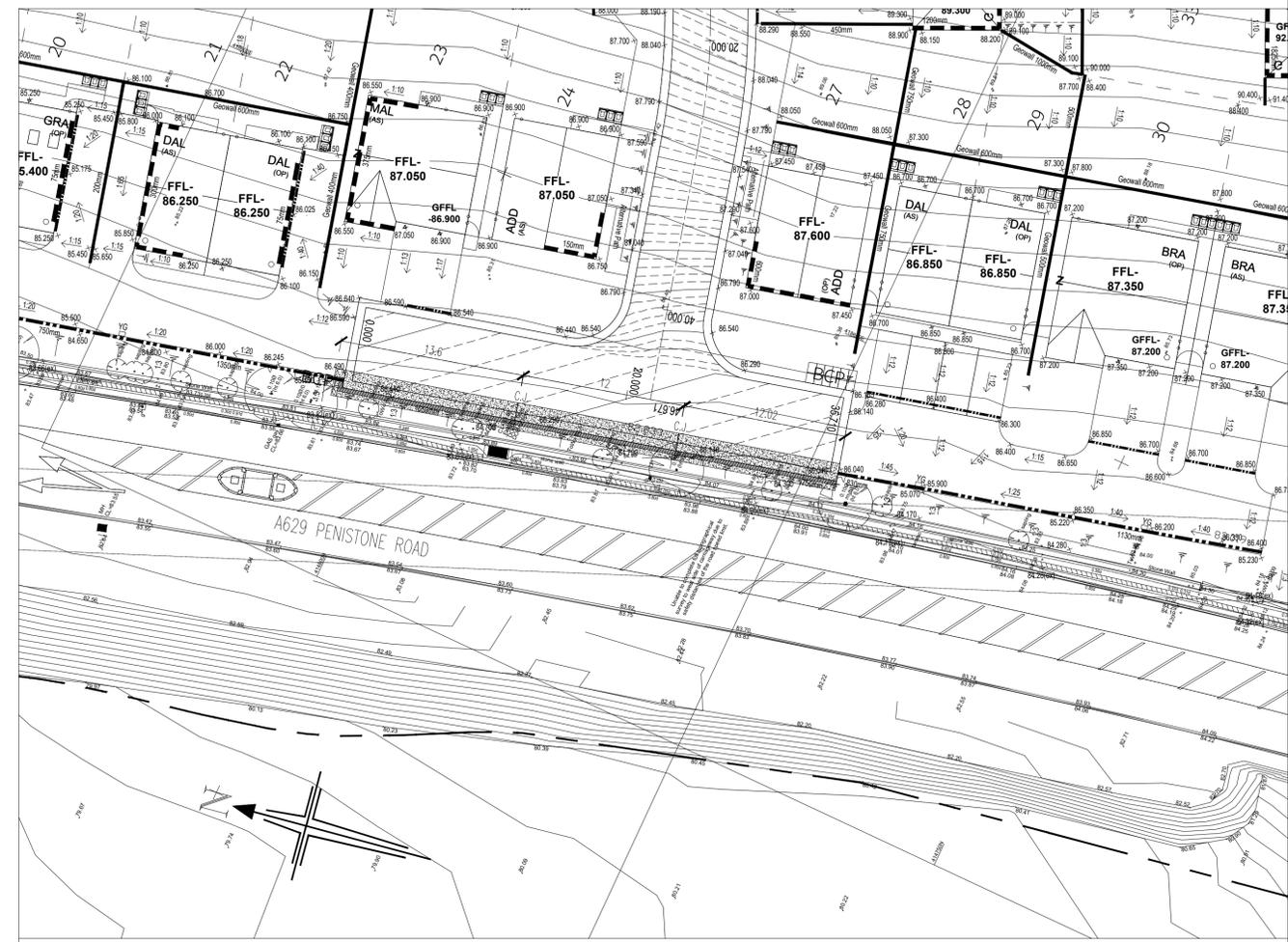
JOINT DETAIL (C.J.) (1:20)



COPING RESTRAINT DETAIL (1:10)



MASS CONCRETE HIGHWAY BURR WALL (3000mm RETAINED HEIGHT) (1:20)



PLAN ON HIGHWAY BURR WALLS (1:250)

Rev	By	Date	Revision	Updated to suit Kirkless comments.	DPB	DPB
A	DPB	18.03.25			DPB	DPB
	DPB	28.10.24		Issued for Approval	DPB	DPB

ARP ARP ASSOCIATES
Chartered Consulting Engineers

Northwest House • 5 & 6 Northwest Business Park • Servia Hill, Leeds • LS6 2QH
0113 245 8498 • 0113 244 3861 • lee@arpassociates.co.uk • www.arpassociates.co.uk

ARP Associates is a trading division of ARP Geotechnical Ltd, a company registered in England and Wales with company number 371311, whose registered office is at 5/6 Northwest Business Park, Servia Hill, Leeds LS6 2QH.

TITLE PRIVATE BURR WALL DETAILS

PROJECT PENISTONE ROAD, FENAY BRIDGE

CLIENT NEWETT HOMES

DRAWING STATUS APPROVAL

Scale	Date	Drawn	DPB
As shown @ A1	OCT 24	Chk.	DPB

Drg. No. 2079/22/1000 Rev A