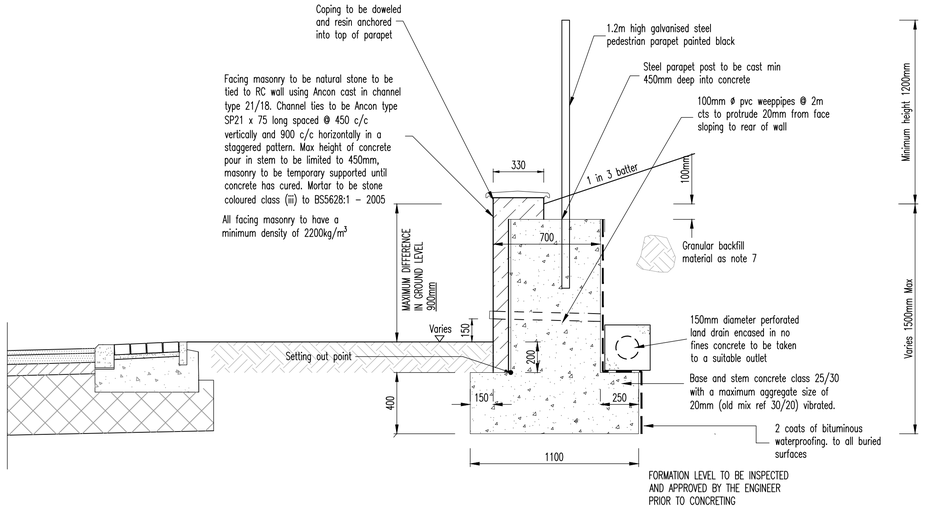
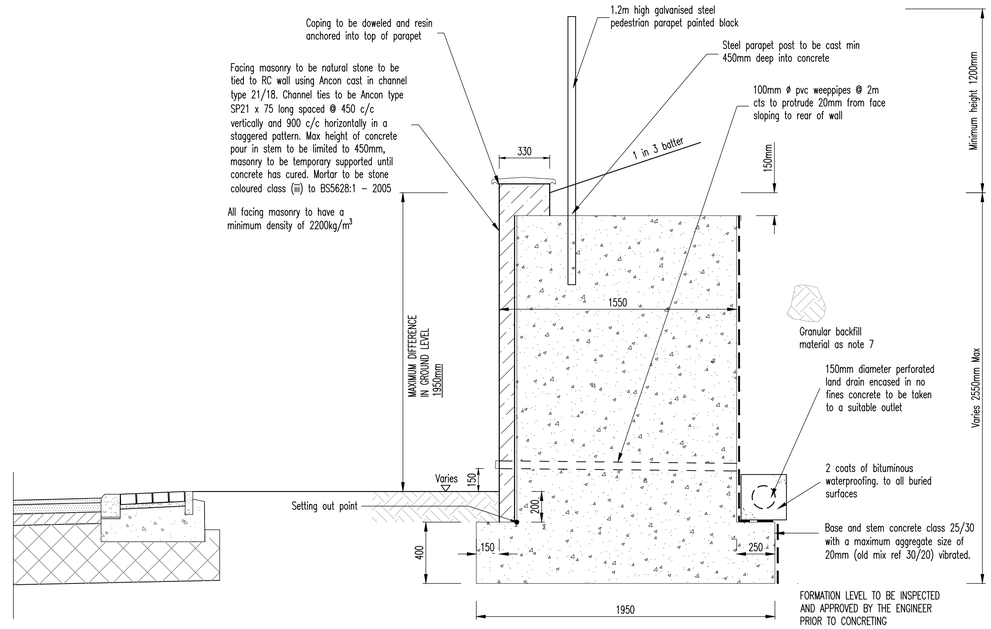
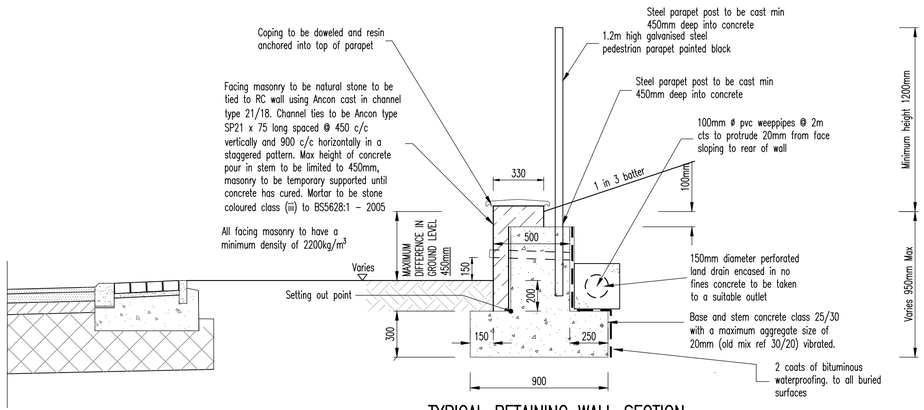


TYPICAL RETAINING WALL SECTION
MAX 1.5m RETAINED HEIGHT
(1:20)

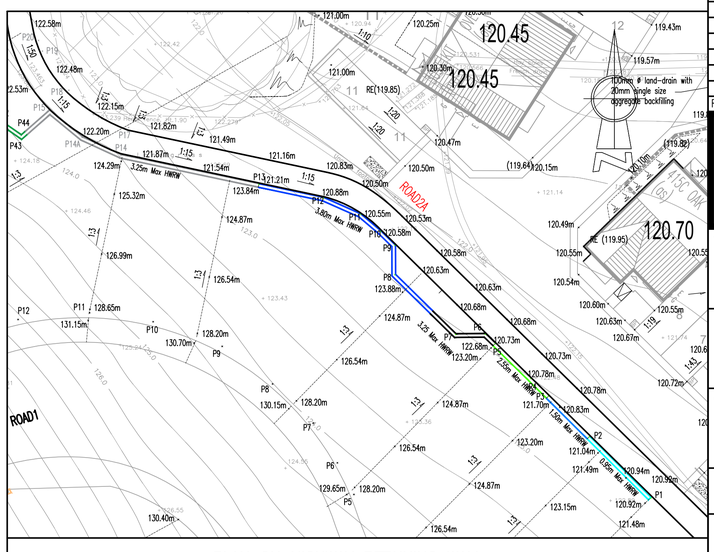


TYPICAL RETAINING WALL SECTION
MAX 2.55m RETAINED HEIGHT
(1:20)



TYPICAL RETAINING WALL SECTION
MAX 0.95m RETAINED HEIGHT
(1:20)

Item	Material	Finish / Location
Mass concrete retaining 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 SP21 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 (ii)
Masonry facework	100mm thick stone work	Natural stonework. Mortar to be stone coloured class (iii), finish to be flush.
Parapet	1.2m high galvanised steel	Painted black
Waterproofing	All concrete surfaces in contact with soil, backfill or bedding to be waterproofed in accordance with MCHW1 clauses 2004 & 2006	N/A
Backfill material	Engineering Class 6N, Selected granular fill to Specification for Highways	Backfill to structures
Drainage (for retaining walls)	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



PLAN ON HIGHWAY RETAINING WALL
(1:250)

N O T E S

1. This drawing is to be read in conjunction with all relevant drawings, details and specifications prepared by ARP Associates for this project.
2. Do not scale from this drawing use figured dimensions only.
3. 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.
4. 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.
5. Concrete for highway retaining walls to be Grade C25/30.
6. Foundations have been designed assuming a ground bearing pressure of 100KN/m² on firm slightly gravelly, sandy Clay. If ground capable of sustaining this pressure is not found at depth shown, excavation should continue until a suitable strata is encountered.
7. Selected well graded granular backfill to be type 6N in accordance with DOT specification for Highway works series 600, Class 613.

KEY

138.00 Existing ground level

136.50m Proposed ground level

Wall Setting Out Co-ordinates

Wall Ref	Easting (m)	Northing (m)
P1	414675.057	411133.783
P2	414670.024	411138.791
P3	414666.692	411142.106
P4	414665.240	411143.551
P5	414662.340	411146.388
P6	414661.550	411147.161
P7	414659.116	411147.139
P8	414654.158	411152.018
P9	414654.146	411154.413
P10	414652.995	411155.542
P11	414651.358	411156.927
P12	414648.343	411158.268
P13	414643.059	411159.387
P14	414631.782	411161.774
P15	414625.917	411165.468
P16	414643.664	411161.640
P17	414632.425	411164.021
P18	414627.548	411167.070
P19	414625.393	411170.262
P20	414625.077	411171.131

PRELIMINARY
(NOT TO BE USED FOR CONSTRUCTION)

Rev	By	Date	Revision	Chk	Apvd
F	DPB	17.11.23	Revised to Kirklees Section 38 comments	DPB	DPB
E	DPB	21.03.23	Updated to suit Kirklees Highways comments.	DPB	DPB
D	DPB	20.03.23	Updated to suit Kirklees Highways comments.	DPB	DPB
C	DPB	02.02.23	Updated to suit Kirklees Highways comments.	DPB	DPB
B	DPB	11.01.23	Updated to suit Kirklees Highways comments.	DPB	DPB
A	DPB	23.11.22	Updated to suit Kirklees Highways comments.	DPB	DPB
/	DPB	28.07.22	Issued for Information	DPB	DPB

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ARP Associates is a trading division of ARP Geotechnical Ltd, a company registered in England and Wales with company number 3771811, whose registered office is at 5/6 Northwest Business Park, Servia Hill, Leeds LS6 2QH

TITLE
PRIVATE RETAINING WALL DETAILS TO PROPOSED PUBLIC RIGHT OF WAY

PROJECT
A6024 WOODHEAD ROAD, HONLEY

CLIENT
MILLER HOMES (YORKSHIRE) LTD

DRAWING STATUS
PRELIMINARY

Scale	Date	Drawn
AS SHOWN @ A1	JUL 22	DPB
		Chk. DPB

Drg. No. 425/58/1010 Rev F