







	PROPOSED HIGHWAY - ASPHALT		
LAYER	SPECIFICATION	THICKNESS (mm)	
SURFACE COURSE	AC10 CLOSE SURF, PSV 65 MIN, AAV 12 MAX TO BE EN 13108-4 AND BS 594987:2015	40	
BINDER COURSE	AC20 DENSE BIN 40/60 REC. TO BS594987:2015 AND CLAUSE 906 OF THE SHW	60	
BASE COURSE	AC32 DENSE BASE 40/60 REC. TO BS594987:2015 AND CLAUSE 906 OF THE SHW	150	
SUB BASE	TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOTE 9.	230	
CAPPING LAYER	CAPPING TO CLAUSE 613 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOTE 9.	380	

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE COURSE	10mm 'SUPER DRAIN ASPHALT' THIN SURFACE COURSE SYSTEM, BIN 20mm OR SIMILAR APPROVED MATERIAL	30
BINDER COURSE	14mm 'SUPER DRAIN ASPHALT' BINDER COURSE SYSTEM WITH >18% VOID CONTENT OR SIMILAR APPROVED MATERIAL	50
BASE COURSE	32mm 'SUPER DRAIN ASPHALT' BASE COURSE SYSTEM WITH >18% VOID CONTENT OR SIMILAR APPROVED MATERIAL	70
SUB BASE	TYPE 3 GRANULAR MATERIAL TO CLAUSE 805 (SPECIFICATION FOR HIGHWAY WORKS) WITH PERFORATED CARRIER DRAINS AT REGULAR INTERVALS. SEE NOTE 9.	230
CAPPING LAYER	CAPPING LAYER CAPPING TO CLAUSE 613 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOTE 9.	
SUBGRADE SEPARATION	SESMEMBIONIE WOULD SESTEX THEE.	

	PROPOSED FOOTWAY - CONCRETE BLOCK PAVING #1		
LAYER	LAYER SPECIFICATION		
SURFACE COURSE	SURFACE COURSE 200MM x 300MM CONCRETE BLOCK PAVING SLAB		
BINDER COURSE	MORTAR BED CONFORMING TO BS 7533-4:2006, CLAUSE 5.4.5.2, TABLE 3 JOITING TO CONFORM TO BEDDING DETAILS )JOINT WIDTH 8-100mm)	30	
ROAD BASE GRADE 32 / 40 CONCRETE SLAB WITH DOWELLED JOINTS AT 4.5m CENTRES		150	
SUB BASE TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOT		300	

	PROPOSED FOOTWAY - CONCRETE BLOCK PAVING #2		
LAYER	SPECIFICATION	THICKNESS (mm)	
CONCRETE SLAB	100MM x 200MM CONCRETE BLOCK PAVING SLAB	50	
SAND-LAYING COURSE	SAND LAYING COURSE WITH SAND FILLED NARROW JOINTS IN ACCORDANCE WITH BS7533-4	50	
SUB BASE	TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOTE 9.	350	

PROPOSED PEDESTRIAN AREA - ASPHALT		
LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE COURSE	AC6 DENSE 100/150 (EXCLUDING LIMESTONE) TO BS EN 13108-1 AND BS 594987:2015	20
BINDER COURSE	AC 20 DENSE BIN 100/150 REC. TO BS594987:2015 AND CLAUSE 906 OF THE SHW	50
SUB BASE	TYPE 1 GRANULAR MATERIAL TO CLAUSE 803 (SPECIFICATION FOR HIGHWAY WORKS). SEE NOTE 9.	225

	PROPOSED PARKING BAYS - PERMEABLE BLOCK PAVING	
LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE COURSE	200MM x 100MM PERMEABLE CONCRETE BLOCK PAVING SLAB - TYPE B SYSTEM	80
LAYING COURSE	LAYING AND JOINTING AGGREGATES TO BE CONFIRMED AT A LATER STAGE ONCE BLOCK PAVING MANUFACTURER IS SELECTED	50
GEOMEMBRANE	OMEMBRANE PERMEABLE GEOTEXTILE TO ALLOW PERCOLATION THROUGH TO BASE LAYER	
BASE COURSE DENSE BITUMEN MACADAM BASE WITH 75MM HOLES PUNCHED ON AN ORTHOGONAL GRID OF 750MM		130
SUB BASE	CRUSHED TYPE 4/20 COURSE AGGREGATE (COMPLIANT WITH BS EN 13242) WITH PERFORATED CARRIER DRAINS AT REGULAR INTERVALS. SEE NOTE 9.	275

9		PROPOSED SOFT LANDSCAPING - TO BE CONFIRMED BY LANDSACPE ARCHITECT		
	LAYER	SPECIFICATION	THICKNESS (mm)	
	TOP SOIL	CLEAN TOPSOIL	TBC	
	SUB SOIL	CLEAN SUB-SOIL	TBC	



Notes
1. Do not scale from this drawing.

2. The details shown on this drawing are based on a RIBA Stage 3 produced for MIMWEP Stage 2. The details will need to be reviewed and revised during subsequent design stages.

3. Topographic survey based on: Argoed School, Bryn Road, Mold Site Survey May 2020, related to Ordnance Survey G.P.S. Datum HSP Consulting.

4. All levels are shown above ordnance datum (m AOD).

5. The details shown on this drawing are subject to change in subsequent design stages and following any potential comments received from statutory authorities.

6. Drawing does not show proposed soft landscaping details to be incorporated for the SuDS design.

7. Soft landscaping soil details to be advised by Landscape Architect.

8. Kerbing not shown, but kerbs and transitions to

be included between changes of surfacing.

designs reviewed and refined at a later stage.

9. A design CBR value of 3% has been taken across the site based on initial geotechnical information. CBR to be confirmed and build-up

10. Wrapped geomembrane used for car park areas to stop infiltration due to the potential for water seepage through the construction layer.

11. The construction finishes are to be confirmed by the Landscape Architect and the construction build-up to be updated. Material types and depths are based on limited information.

12. Layouts are based on conceptual layouts received from Ares on 11-06-2021 and are subject to ongoing coordination and further design development during subsequent stages.

13. Hard Landscaping Finishes based on Ares drawing FL0101-ALA-00-XX-DR-L-0003 S2 Rev. P02 dated 18-06-2021.

14. Jointing layout is indicative and shown only to denote joint spacing.

P02	07/07/21	DS	AR	JS
Issued for Information				
P01	23/06/21	DS	AR	
Issued for Information				
Issue	Date	Ву	Chkd	Appd

## **ARUP**

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Flintshire County Council - WEPco

Project Title

Campus Mynydd Isa

Flintshire

Drawing Title

Construction Finishes

Scale at A1
1:1000
Role
Infrastructure
Suitability
A2 - Authorized and Accepted as 'Planning Application Submission
Job No
Rev
280340
P02

FL0101-ARP-01-00-DR-C-22011

Do not scale