

PAVEMENT NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS' DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION. NOTE LIMESTONE COARSE AGGREGATE SHALL NOT BE USED FOR ASPHALT SURFACE COURSES

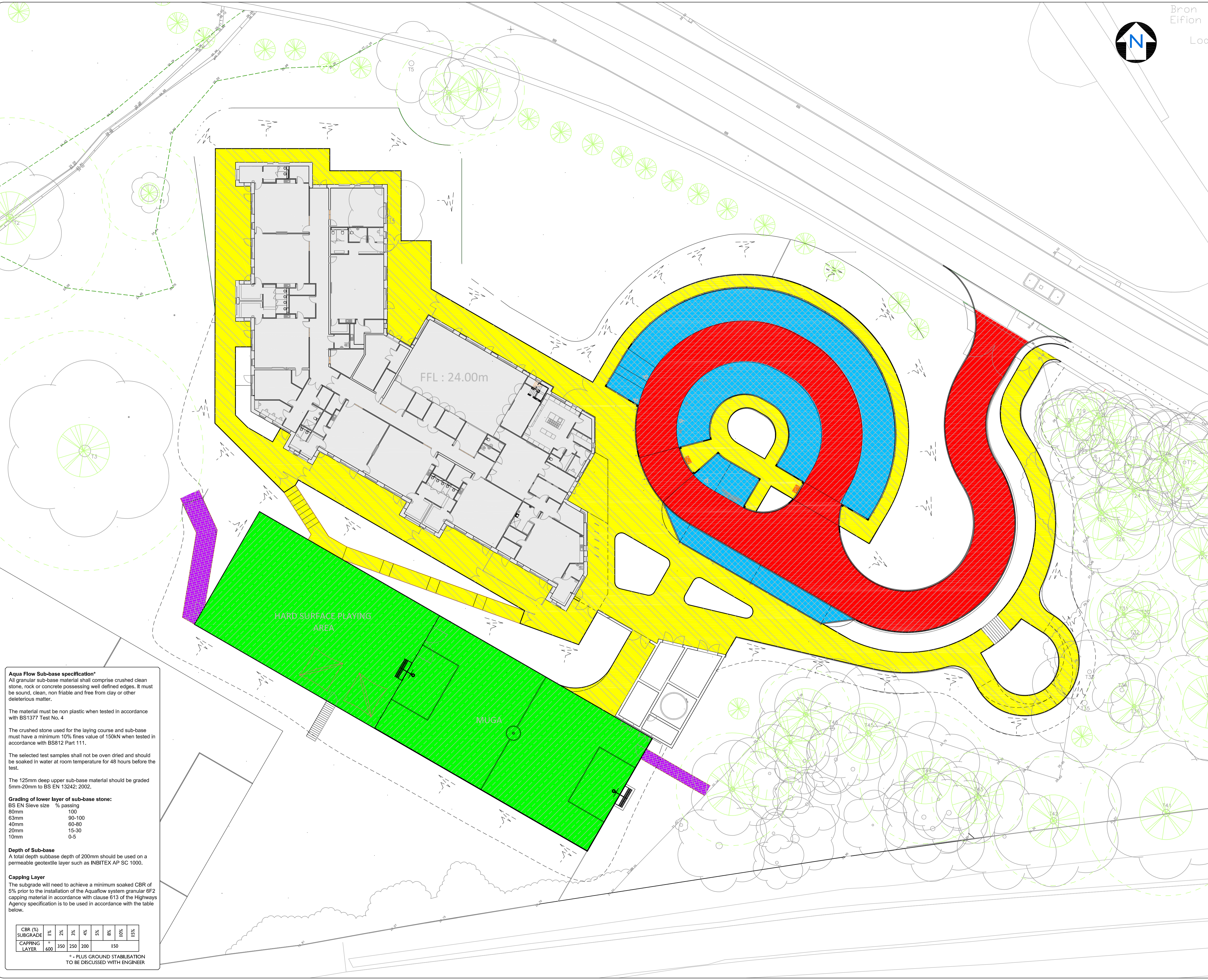
ALL ASPHALT MIXTURES TO CONFORM TO BS EN 13108
ALL BLOCK PAVING REFERENCES TO CONFORM TO BS 7533

LEGEND

- INTERNAL ROAD PERMEABLE BLOCK PAVING**
80mm AQUAFLOW PERMEABLE PAVING BLOCK (OR SIMILAR APPROVED)
50mm PERMEABLE LAYING COURSE 2-6mm CLEAN CRUSHED STONE & JOINTING MATERIAL
1 LAYER OF INBITEX GEOTEXTILE
REFER TO AQUAFLOW SUB-BASE NOTES*
- TARMAC FOOTWAY CONSTRUCTION**
20mm AC 6 DENSE SURF 100/150
60mm AC 20 DENSE BASE 100/150
150mm SUB-BASE DOT TYPE 1
- CAR PARKING BAYS**
30mm PERMEABLE ULTRIDRIVE ASPHALT (OR SIMILAR APPROVED)
70mm AC 20 OPEN BIN 160/220
200mm SUB-BASE DOT TYPE 3
1 LAYER TERRAM GRADE 1000
- TACTILE PAVING**
65mm CONCRETE TACTILE PAVING
40mm CAT III SAND LAYING COURSE (BS 7533)
SUB-BASE AS PER ADJACENT FOOTWAY
- MULTI-USE GAMES AREA - CEMEX VIAFLOW**
30mm AC 10 VIAFLOW SURF
90mm AC 20 VIAFLOW BIN
350mm SUB-BASE DOT TYPE 3
1 LAYER PERMEABLE GEOTEXTILE MEMBRANE
25mm SAND BEDDING
(IN ACCORDANCE WITH MANUFACTURERS GUIDANCE)
- ACCESS TRACKS**
40mm GRAVEL 6mm TO FINES
250mm SUB-BASE DOT TYPE 3

SOFT SPOTS
REDUCED FORMATION LEVEL TO BE PROOF ROLLED TO IDENTIFY SOFT SPOTS. SOFT SPOTS TO BE EXCAVATED AND BACKFILLED WITH 6F5 CAPPING MATERIAL.

A BOND COAT IS TO BE APPLIED IN ACCORDANCE WITH BS 594 987 BETWEEN ALL CARRIAGEWAY MATERIAL LAYERS



Aqua Flow Sub-base specification*
All granular sub-base material shall comprise crushed clean stone, rock or concrete possessing well defined edges. It must be sound, clean, non friable and free from clay or other deleterious matter.

The material must be non plastic when tested in accordance with BS1377 Test No. 4

The crushed stone used for the laying course and sub-base must have a minimum 10% fines value of 150kN when tested in accordance with BS612 Part 111.

The selected test samples shall not be oven dried and should be soaked in water at room temperature for 48 hours before the test.

The 125mm deep upper sub-base material should be graded 5mm-20mm to BS EN 13242: 2002.

Grading of lower layer of sub-base stone:

BS EN Sieve size	% passing
80mm	100
63mm	90-100
40mm	60-80
20mm	15-30
10mm	0-5

Depth of Sub-base
A total depth subbase depth of 200mm should be used on a permeable geotextile layer such as INBITEX AP SC 1000.

Capping Layer
The subgrade will need to achieve a minimum soaked CBR of 5% prior to the installation of the Aquaflow system granular 6F2 capping material in accordance with clause 613 of the Highways Agency specification is to be used in accordance with the table below.

CBR (%)	1%	2%	3%	4%	5%	6%	10%	15%
SUBGRADE	100	100	100	100	100	100	100	100
CAPPING LAYER	350	250	200	200	200	200	150	150

* - PLUS GROUND STABILISATION TO BE DISCUSSED WITH ENGINEER

PO2	UPDATED TO LATEST LAYOUT	RAH	MM	JP	24.05.2021
PO1	PRELIMINARY ISSUE	MM	RAH	JP	20.11.2020
REV	DESCRIPTION	BY	CHK	APR	DATE

JP Structural Design

PURPOSE OF ISSUE	STATUS
PRELIMINARY	PI
PROJECT	
YSGOL TREFERTHYR CRICCIETH	
TITLE	
EXTERNAL WORKS PAVEMENT COMPOSITION	
CLIENT	
CYNGOR GWYNEDD	
DRAWN BY	CHECKED BY
RH	MM
DATE	APPROVED BY
20.11.2020	JP
SCALE (@ A1)	PROJECT NUMBER
1:250	14016
DRAWING NUMBER	
YTC-JPS-XX-XX-DR-C-0702	
REV	
P02	