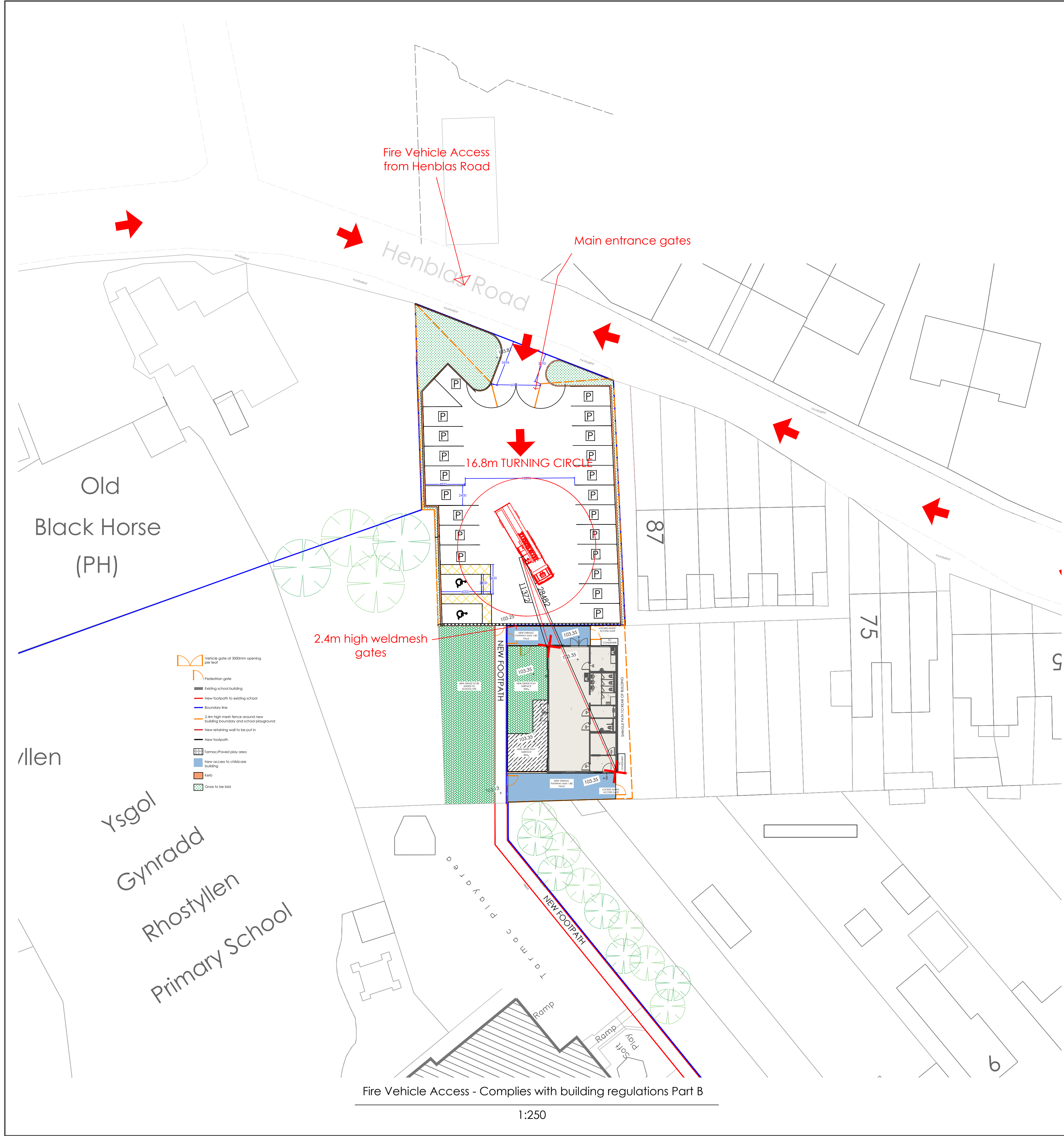




Building Regulation Part B - Fire Safety Vol 2
Section 15: Vehicle Access
15.1 - For small buildings, vehicle access for a pump appliance should be provided to whichever is the less onerous of the following -
a. 15% of perimeter
b. Within 45m of every point of the footprint of the building
(building - fire truck does not exceed 30m in this case)

Table 15.2:
pump does not fall below minimum width of road between kerb (3.7m)/width of gateway (3.1) -
Building has pinch point of 5.85m between play stand and building, and smallest gate is 7.8m

15.10:
Dead-end access routes longer than 20m require turning facilities, as in Diagram 15.3. Turning facilities should comply with the guidance in Table 15.2.
Proposal complies with 15.10 with appropriate turning circle for fire vehicle and ease of access

Table 15.2 Typical fire and rescue service vehicle access route specification						
Appliance type	Minimum width of road between kerbs (m)	Minimum width of gateways (m)	Minimum turning circle between kerbs (m)	Minimum turning circle between walls (m)	Minimum clearance height (m)	Minimum carrying capacity (tonnes)
Pump	3.7	3.1	16.8	19.2	3.7	12.5
High reach	3.7	3.1	26.0	29.0	4.0	17.0

NOTES:
1. Fire appliances are not standardised. The building control body may, in consultation with the local fire and rescue service, use other dimensions.
2. The roadbase can be designed to 12.5 tonne capacity. Structures such as bridges should have the full 17-tonne capacity. The weight of high reach appliances is distributed over a number of axles, so infrequent use of a route designed to accommodate 12.5 tonnes should not cause damage.

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the possibilities are endless.....

Rev	Description	Date

Building Specification:

PROJECT
Rhostyllen Single Classroom

TITLE
Fire Vehicle Access

CLIENT
Wrexham BC

DRAWN BY AL	CHECKED BY	DATE 27/09/2023
SCALE (@ A1) 1:250		PROJECT NUMBER 200315

200315-ELT-00-00-DR-1600	REV
STATUS: S2	
A=Approval P=Production T=Tender I=Information	