FIRE VEHICLE ACCESS COMPLIANCE:

The new building is linked to the existing building on site. Therefore, the extent of fire vehicle access has been determined based on the entire building (new and existing) area, volume and height.

Building data:

Existing building height = 7.8m
Existing building ground floor area = 965m²
Existing building volume ~ 7,527m³

New building height = 9.9m New building ground floor area = 813m² New building volume ~ 8,049m³

Total volume ~ 15,576

Height to the top storey = <10m

Demonstration of Compliance:

The height of the top storey above ground level is less than 10m and the total building volume is >7,000m³ but <28,000m³. Therefore, vehicular access for a pumped appliance will be provided to a minimum of 15% of the building perimeter as recommended by Table 5.1 of TGD B.

Volume of building (m³)	Height of top storey above ground (m)	Provide vehicle access	Type of appliance	
up to 7,000	under 10	at rate of 2.4 m in length for every 90 m ² of ground floor area	pump	
	over 10	to 15% of perimeter	high reach	
7,000-28,000	up to 10	to 15% of perimeter	pump	
	over 10	to 50% of perimeter	high reach	
28,500-56,000	up to 10	to 50% of perimeter	pump	
	over 10	to 50% of perimeter	high reach	
56,000-85,000	up to 10	to 75% of perimeter	pump	
	over 10	to 75% of perimeter	high reach	
over 85,000	up to 10	to 100% of perimeter	pump	
	over 10	to 100% of perimeter	high reach	

Note: See 5.0.4 and Diagram 31 for the definition of perimeter.

The total building perimeter measures 212.5m. Therefore, based on 15% access required, 32m of the building elevation should be accessible. As can be seen on the drawing opposite, 118.5m of the total building perimeter is adjacent an existing fire vehicle access route as shown. Therefore, fire vehicle access is in full compliance with the requirements of TGD B.

All vehicle access routes shown opposite are existing route. No new routes are required to achieve the necessary access. These existing routes are in compliance with the route performance requirements of Table 5.2 of TGD B shown below. Dimensions of the existing routes, gates and turning circles are demonstrated on the drawing opposite.

Table 5.2	Vehicle access route specifications							
Appliance type	Minimum width of road between kerbs (m)	Minimum width of gateways between kerbs (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	29	4	16.25		

ING FIELD

Use of these figures will cater for nearly all of the fire appliances in use at present. Some fire authorities use different sized appliances and it is therefore advisable that the relevant fire authority be consulted.

PROPOSED FENCE, BOUNDARY HEDGING, &

MITIGATION TO ADJACENT DWELLINGS AKIN TO THE EXISTING MUGA AND ASSOCIATED

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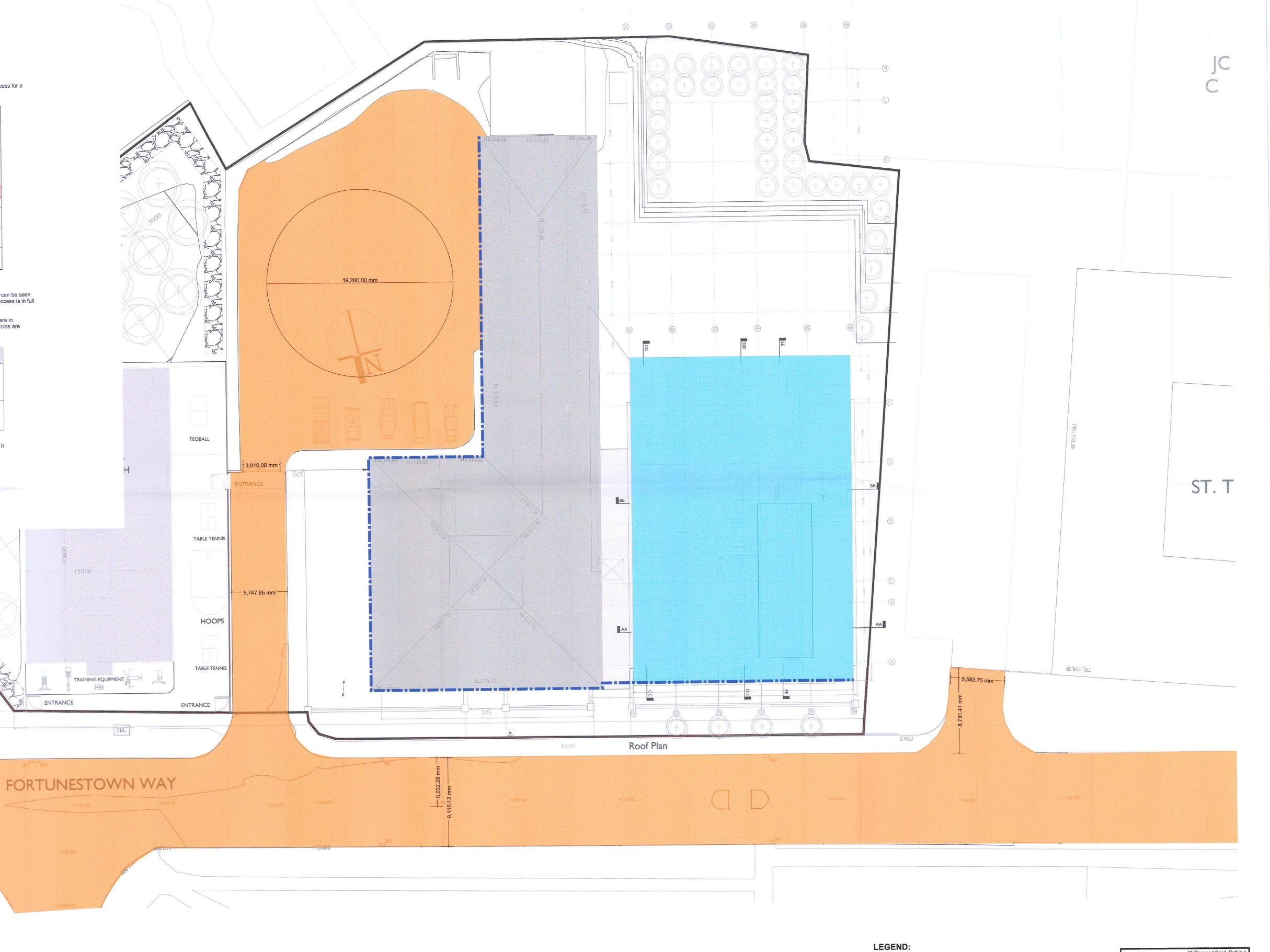
HARVEST FOR COLLECTION. ALL TO BE AGREED

SV ⊕ ⊗SV PATH

HOUSING. THE GROUND LEVEL WRAPPING

WITH THE SDCC.

FRUIT OR NUT BEARING TREES SPECIES.
TREES AND HEDGING PROVIDING NOISE



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tatus FOR INFORMATION

Prawing Title FIRE SERVICE ACCESS

Job Title CITYWISE

Applicable building

access route

Existing fire tender vehicle access route in accordance with Table 5.2 of TGB 2006 for a pump appliance

Extent of building perimeter adjacent existing fire vehicle

Existing building

Site boundary