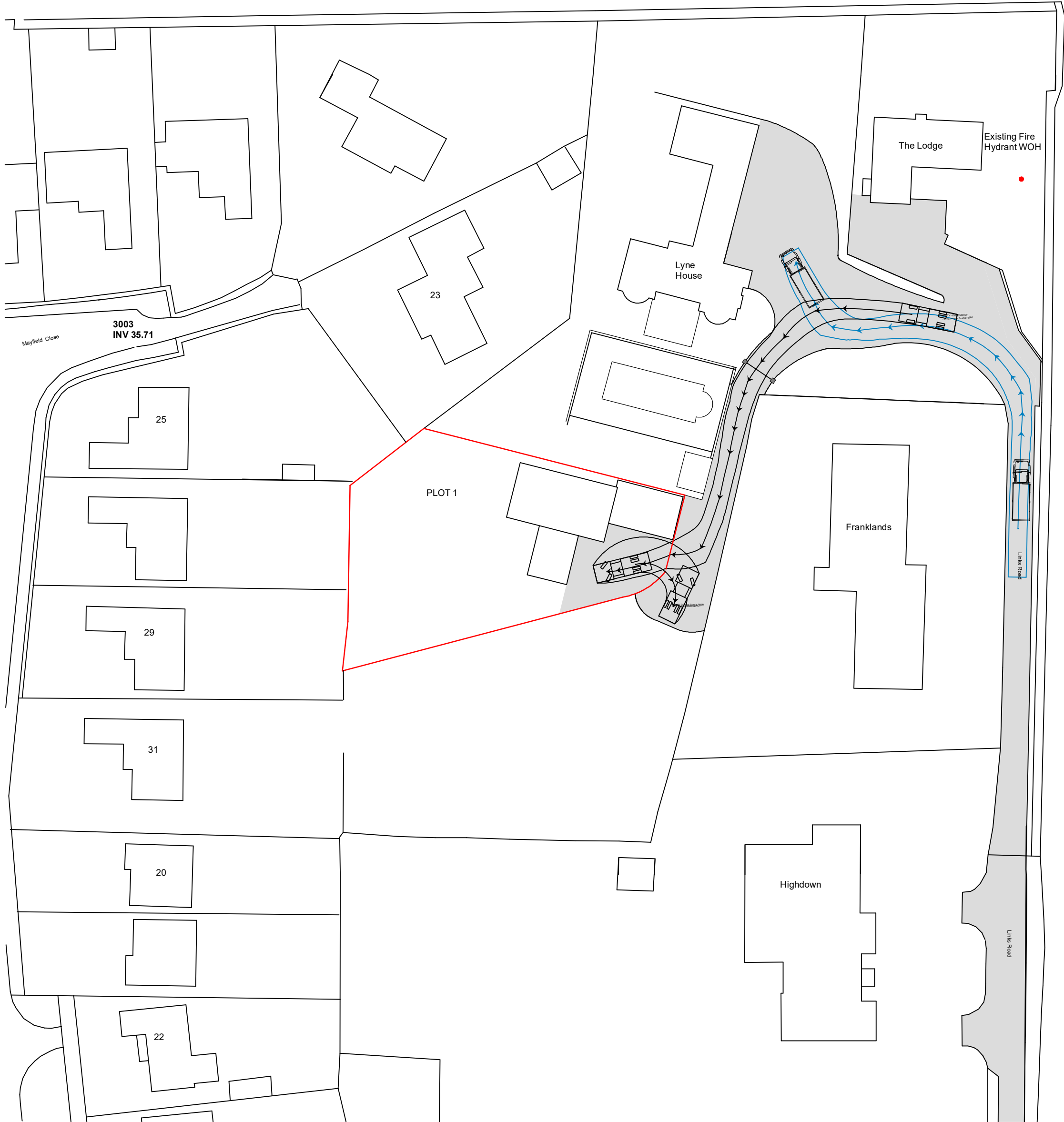
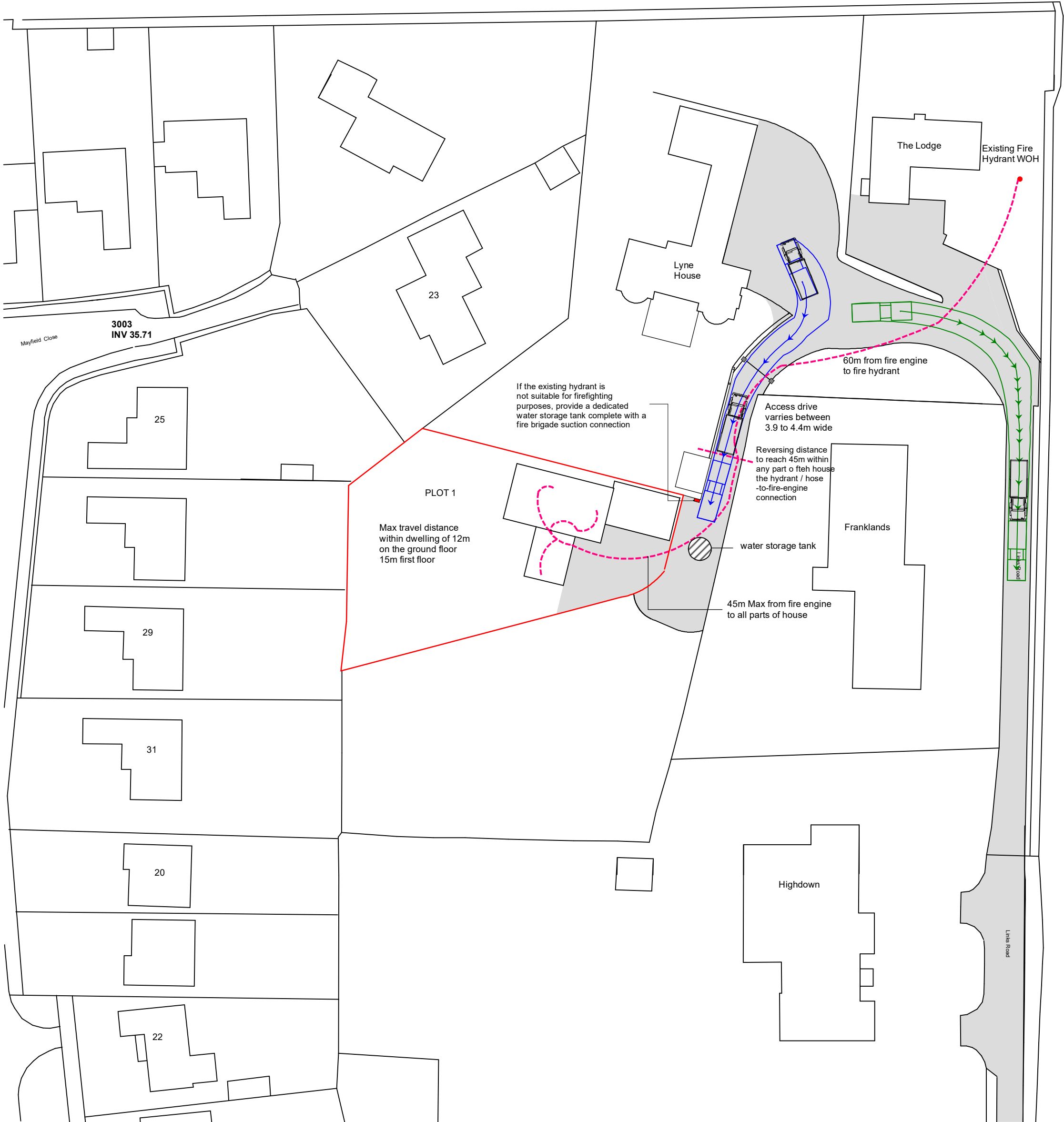


Auto TURN: Swept Path Tracking of Fire Engine Entering Site



Auto TURN: Swept Path Tracking of Fire Engine Using Turning Head & Reversing 12 to 20m to Site. Drives Straight Out



DRAWING NOTE - FIRE ACCESS, WATER SUPPLY & COMPLIANCE

1. FIRE APPLIANCE ACCESS

Access to the site has been designed in accordance with the principles of Approved Document B.

1. Access road width varies between 3.9m and 4.4m
2. Minimum required width of 3.7m is achieved
3. Minimum vertical clearance of 4.0m maintained
4. Access route designed to accommodate a 16-18 tonne fire appliance
5. Swept path analysis (AutoTURN) confirms suitable manoeuvrability
6. Turning head provided in accordance with Approved Document B
7. Reversing distances limited and within acceptable guidance
8. Maximum hose distance from appliance to dwelling within 45m

The access route is constructed to provide sufficient load-bearing capacity for fire appliances.

2. FIRE HYDRANT & WATER SUPPLY

An existing fire hydrant is located adjacent to Links Road and is intended to serve the development.

Hydrant testing has been undertaken.

At the time of testing:

1. Southern Water were investigating a leak in the local water main
2. This is expected to have temporarily reduced flow and pressure

It is anticipated that:

1. Following completion of water main repairs, and
2. Servicing and maintenance of the hydrant

the available flow rate will improve to a level acceptable for firefighting purposes.

The suitability of the hydrant and required flow rate shall be confirmed in consultation with the local Fire and Rescue Authority.

Refer to Hydrant Test Results (Planning Appendix).

3. CONTINGENCY FIRE WATER PROVISION

An existing fire hydrant is provided and intended to serve the development.

If, following:

1. Completion of water main repairs, and
2. Hydrant servicing and re-testing

If the hydrant is confirmed to provide insufficient flow for firefighting purposes, then one of the following measures shall be implemented to supplement the existing hydrant supply (not both), subject to agreement with the Fire and Rescue Authority:

OPTION 1 – WATER STORAGE TANK

Provide:

1. 10,000 litre dedicated firefighting water storage tank

Complete with:

1. Fire brigade suction connection
2. Pipework and valves
3. Clear permanent signage

The tank shall be installed in accordance with relevant standards and located as indicated on the drawing.

This provision shall supplement the existing hydrant supply, providing additional stored water for firefighting operations.

3. CONTINGENCY FIRE WATER PROVISION. CONT

OPTION 2 – WATER MIST FIRE SUPPRESSION SYSTEM

Provide a domestic water mist fire suppression system within the dwelling.

The system shall:

1. Be designed, installed and commissioned in accordance with: BS 8458:2015 – Water mist systems for domestic and residential occupancies
2. Be installed by an approved specialist contractor
3. Provide full coverage to the dwelling in accordance with the standard

The system shall act to:

1. Suppress fire development at an early stage
2. Reduce firefighting water demand

This provision shall supplement the existing hydrant supply by reducing required external firefighting water demand

4. NOTE

This drawing shall be read in conjunction with:

1. LR.R.BRIDGE.01 ~ access road construction
2. LR.STK.R.BRIDGE.01 ~ access road Structural Design (Root Bridge)
3. Hydrant Test Report: 46366

INTERNAL FIREFIGHTING PROVISIONS

Fire-rated doors and smoke alarms installed in accordance with Approved Document B.

Internal walls and ceilings will provide fire protection to control spread.

Smoke and Heat Alarms

Smoke alarms shall be installed in accordance with BS 5839-6:2019 and positioned:

In all circulation areas on each storey.

Within 7.5 meters of each bedroom door.

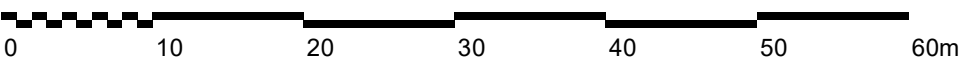
Interconnected throughout the dwelling to provide full coverage.

Heat alarms shall be installed in the kitchen and integrated with the smoke detection system.

Compliance and Testing

The system shall be designed and installed by an approved contractor to BS 8458:2015.

Fire alarms systems shall be subject to periodic inspection and maintenance as per manufacturer guidelines and BS 8458:2015.



NORTH

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SITE: Land Adjacnet to Lyne House, Worthing, BN14 9QY

SCALE: 1:500 on A1 Paper

DRAWING: Fire Protection & Access

Drawing Ref:
LR.FIRE.AC.03

CONSTRUCTION

Drawn by: AM
March 2026

Revision:
Reverse into drive
Existing Hydrants or
Water store tank

