Note: This drawing indicates a notional layout of existing services from a non intrusive visual survey however not every pipe and fitting is indicated or pipe size identified. This is not fully comprehensive as existing record information is not available. The contractor shall verify the layout of all existing services and shall make a full record of all existing services to be retained and/or modified under this contract. This information will be utilised by the contractor for the production of as installed/record drawings.

Note: Hatching to denotes extent of existing sprinkler coverage in basement. Existing sprinkler system to be retained to provide protection to basement subject to confirmation by fire engineer and fire strategy.

Existing system believed to be OH2 > 15m suitable for car park protection. Record or O&M information for the existing system is not

available The client has engaged a specialist LPCB approved sprinkler contractor to carry out a full survey, inspection, test and

validation of the existing system. Any defects and/or remedial works required in order to restore the system to full working order shall be identified and agreed with the engineer and client. any repair works shall be instructed against a provisional sum. The existing sprinkler pipework distribution from the control valve shall be cleaned of

The system shall be provided with an LPS 1048 or suitable equivalent fire certification on completion.

rust and shall be painted red.

Existing fire hosereel to be stripped out. Redundant pipe stripped out and capped at fire main.

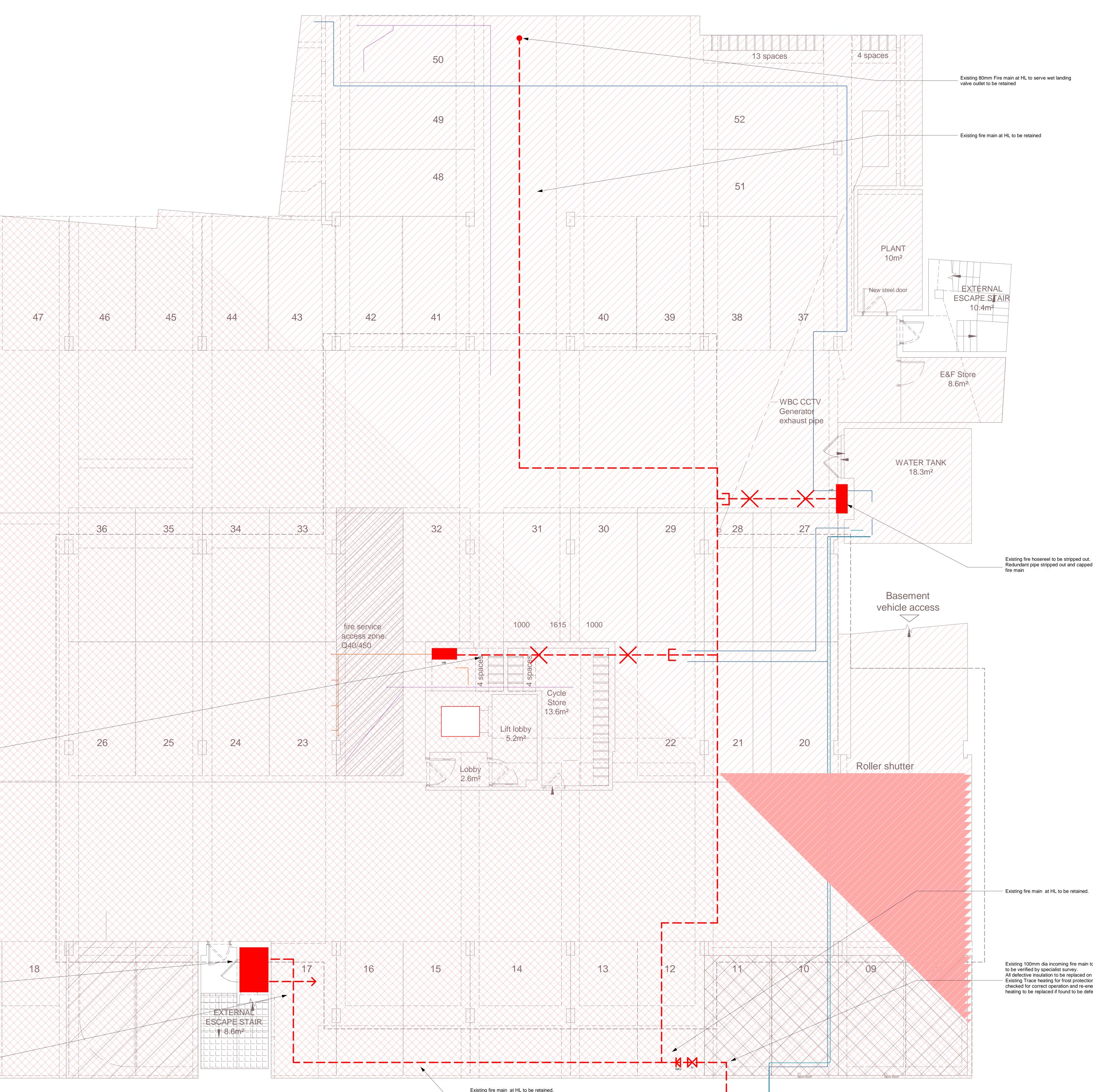
26 Existing sprinkler control valve in 19 18

XXXXX

47

valve cupboard inclusive of local compressor plant.. Existing system is direct mains fed and believed to be a OH 2 Pre-action wet/dry system. Specialist sprinkler contractor to verify.

Existing main sprinkler feed from control valve to supply full sprinkler coverage in basement only. Contractor to retain pipework distribution and restore sprinkler coverage to basement and provide full working system following survey and verification.



Existing fire main at HL to be retained.

AEC

Project Watford Police Station Remodelling

UK & IRELAND Client

Hertfordshire Police and Crime Commissioner

Consultant

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Notes ____

1. THIS DRAWING IS TO BE READ FOR SERVICES INFORMATION ONLY

2. THIS DRAWING IS TO BE READ FULLY INCONJUNCTION WITH AECOM MEP SERVICES SCOPE OF WORKS / SPECIFICATION AND SCHEDULES.

3. THIS DRAWING IS TO BE READ FULLLY INCONJUNTION WITH ALL RELEVANT DESIGN TEAM DRAWINGS, AND REPORTS WHICH INCLUDE (BUT NOT LIMITED TO) MEP, CIVILS, STRUCTURAL, ARCHITECTURAL AND FIRE ENGINEER.

4. THIS DRAWING IS TO BE READ INCONJUNCTION WITH AECOM PH SERVICES DRAWING NOS: WPS-ACM-00-B1-DR-PH-500001 TO 500007 INC.

5. AN LPCB APPROVED SPECILAIST SPRINKLER CONTRACTOR SHALL BE ENGAGED TO CARRY OUT WORKS ON THE EXISTING BASEMENT SPRINKLER SYSTEM WHICH SHALL BE RETAINED. ALL WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 12845 AND THE FIRE STRATEGY.

6. THE CLIENT HAS ARRANGED FOR A FULL SITE SURVEY, TESTING AND VERIFICATION OF THE EXISTING SYSTEM TO INCLUDE ANY **RECOMMENDATION FOR REPAIRS**/ MODIFICATIONS AND REMEDIAL WORKS REQUIRED TO BRING THE SYSTEM BACK TO FULL AND SATISFACTORY WORKING OPERATION BY A SPECIALIST SPRINKLER CONTRACTOR. ANY REPAIR AND/OR REMEDIAL WORKS REQUIRED SHALL BE AS AGREED WITH THE ENGINEER AND CLIENT AND INSTRUCTED ACCORDINGLY AGAINST A PROVISIONAL SUM. IT IS ANTICIPATED THAT THE SPRINKLER HEADS SHOULD BE REPLACED AS A MINIMUM HOWEVER CONTRACTOR SHOULD VERIFY.

7. THE HAZARD RATING OF THE EXISTING SYSTEM IS UNKNOW AND THIS SHALL BE CONFIRMED BY THE SPECIALIST CONTRACTOR. IT IS ASSUMED TO BE AN OH2>15M SYSTEM SUITABLE FOR CAR PARK PROTECTION.

8. THE EXISTING FIRE MAIN SUPPLY SHALL BE RETAINED AND REPAIRS TO INSULATION AND TRACE HEATING CARRIED OUT AS REQUIRED TO ENSURE CORRECT OPERATION AND PROTECTION AGAINST FROST DAMAGE.

9. EXISTNG HOSEREELS AS INDICATED ON THE DRAWING SHALL BE STRIPPED OUT AND THE BRANCH SUPPLIES CAPPED OFF AT THE MAINS TO LEAVE NO DEAD LEGS.

10.A WET RISER LANDING VALVE IS INSTALLED ON AN UPSTAND IN THE GROUND FLOOR CAR PARK. THIS SHALL BE RETAINED AND RESTORED TO FULL WORKING OPERATION INCLUDING INSULATION/WATERPROOFING AND TRACE HEATING. TO BE CONFIRMED IN THE FIRE STRATEGY.

LEGEND

IV – ISOLOATING VALVE NRV - NON RETURN VALVE HR - HOSEREEL

DENOTES PIPE TO BE STRIPPED OUT

HATCHING DENOTES EXTENT OF BASEMENT SPRINKLER SYSTEM

Issue/Revision

T123/06/22Tender IssuePT110/06/22Pre Tender IssueRev.DateDescription Key Plan

DR/LH/BD Drn/Chk/Apr

Purpose Of Issue Preliminary Stage 3 **Project Number** 60671544 Sheet Title

Fire Protection/Sprinklers Basement Floor Layout

Sheet Number

WPS-ACM-00-B1-DR-PH-500006 **Scale:** 1:50@A0 **Rev:** T1

Redundant pipe stripped out and capped at

- Existing fire main at HL to be retained.

Existing 100mm dia incoming fire main to be retained. Size to be verified by specialist survey. All defective insulation to be replaced on fire main service. - Existing Trace heating for frost protection on fire main to be checked for correct operation and re-energised. Trace heating to be replaced if found to be defective.