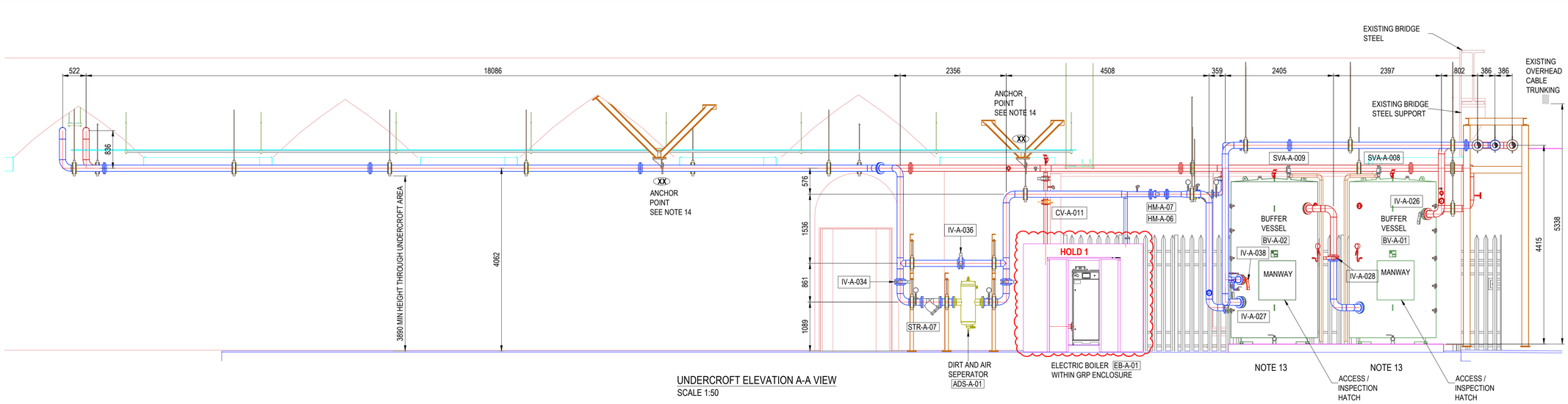
THIS DRAWING REMAINS THE PROPERTY OF VITAL ENERGI AND MUST NOT BE REPRODUCED, COPIED, OR HANDED OVER TO A THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT.

VDE A1 v1.3 Plotted By: Paul.Nicol on 11/06/2026 at 12:51 PM



UNDERCROFT ELEVATION A-A VIEW
SCALE 1:50

HEALTH AND SAFETY INFORMATION

ALL WORKS SHALL BE CARRIED OUT BY COMPETENT PEOPLE.
IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING. THE DESIGNERS HAVE REVIEWED THE H&S RISKS AND DEVELOPED A DESIGNERS RISK ASSESSMENT.
THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION PHASE PLAN AND ADOPT THE H&S AND DESIGNERS RISK ASSESSMENT FINDINGS IN THE DEVELOPMENT OF THEIR RAMS, BEFORE UNDERTAKING ANY WORKS.
PLEASE ALSO NOTE THE FOLLOWING :-

DIFFICULT TO MANAGE

THESE MAY BE COMMON RISKS BUT BE IN AWKWARD LOCATIONS, EG. SCAFFOLDING, DELIVERIES, PROXIMITY OF GAS MAINS OR POWER LINES, WORKING IN CLOSE PROXIMITY TO THE PUBLIC ETC.

REMOVAL OF GAS PIPEWORK NEEDS ISOLATING AT SHUT OFF VALVE - GAS PIPEWORK IS NOT FITTED WITH APPROPRIATE PURGE LOCATIONS FOR REMOVAL
PLAN TO BE PUT IN PLACE BY SPECIALIST CONTRACTOR FOR PURGING OF GAS
LOW HEADROOM WITHIN UNDERCROFT - CARE MUST BE TAKEN IF LIFTING LARGE PIECES OF EQUIPMENT

UNUSUAL

THESE MAY BE COMMON RISKS OCCURRING IN UNUSUAL CIRCUMSTANCES. THEY MIGHT ALSO BE UNUSUAL BECAUSE OF THE NATURE OF THE CONSTRUCTION METHOD OR SITE CONDITIONS, EG. UNSTABLE OR CONTAMINATED GROUND, ASBESTOS, LEAD PAINT, SILICA DUST ETC

ASBESTOS RISK THROUGH PIPEWORK PENETRATION LOCATIONS IN UNDERCROFT STOREROOMS

NOT LIKELY TO BE OBVIOUS TO A CONTRACTOR OR DESIGNER .

THE CONTRACTOR, AT THE PRICING STAGE, AS WELL AS DURING THE DESIGN CYCLE MAY NOT BE AWARE OF SOME OF THE LESS OBVIOUS RISKS EG. STRUCTURAL ISSUES ASSOCIATED WITH WORKING AROUND EXISTING FOUNDATIONS, FRAGILE ROOFS OR FRAGILE SURFACES ETC.

LV BURIED SHALLOW BELOW PROPOSED LOCATION OF HEAT PUMP PLINTH - RELOCATION MAY BE REQUIRED

OPERATIONAL ACCESS - HORIZONTAL, VERTICAL, PEDESTRIAN, VEHICLE / PLANT

ARE THERE SIGNIFICANT ISSUES REGARDING ACCESS ? IF YES OUTLINE BELOW OR REFER TO APPROPRIATE DOCUMENT ETC.

WORKING AT HEIGHT

OPERATIONAL HANDLING / LIFTING STRATEGY

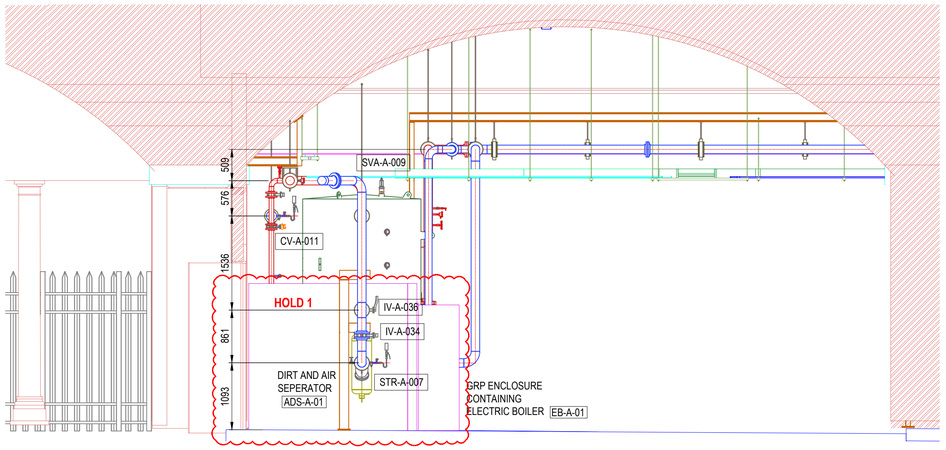
HAVE YOU IN SO FAR AS REASONABLY PRACTICABLE REDUCED MANUAL LIFTING? IDENTIFY ANY ITEMS THAT MAY REQUIRE EXCESSIVE LIFTING ARRANGEMENTS TO BE PUT IN PLACE AS WELL AS IDENTIFY ANY UNUSUAL RISKS ASSOCIATED WITH HANDLING AND LIFTING.

PUMPS AND LARGE EQUIPMENT TO BE MANEUVERED USING MECHANICAL LIFTING DEVICE.

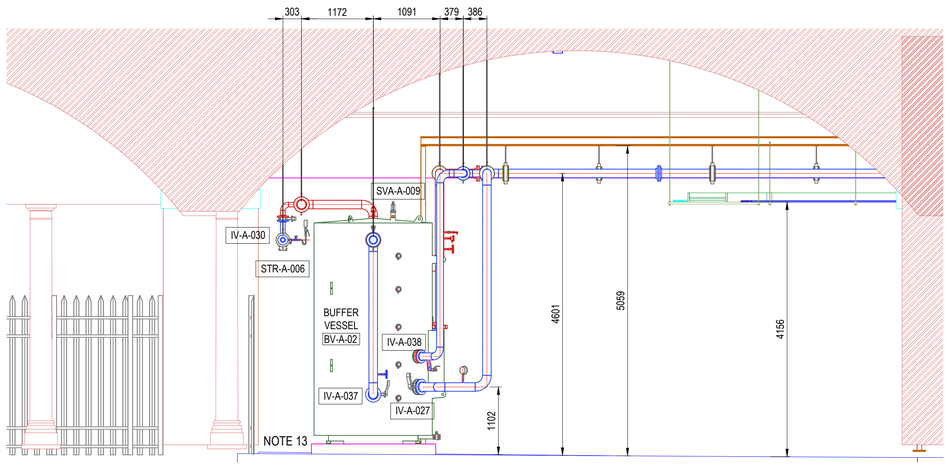
HEALTH AND SAFETY FILE INCLUSIONS

IDENTIFY ANY HAZARDS / SIGNIFICANT RISKS ASSOCIATED WITH MAINTENANCE OR REMOVAL / DEMOLITION OF THE CONTENTS OF THIS DRAWING AT A LATER DATE.

NOTHING SIGNIFICANT



UNDERCROFT ELEVATION B-B VIEW
SCALE 1:50



UNDERCROFT ELEVATION C-C VIEW
SCALE 1:50

HOLDS:

1. GRP ENCLOSURE TO BE FINALISED

KEY:

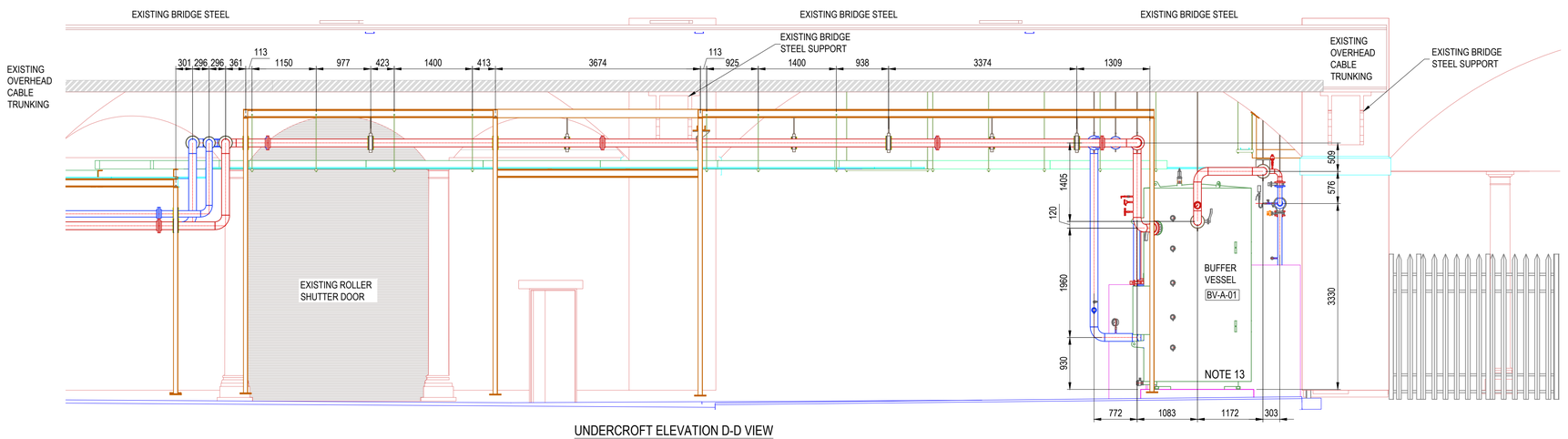
XX = ANCHOR POINT

NOTES:

1. ALL THERMAL INSULATION TO BE PHENOLIC FOAM WITH CLASS "O" FOIL FINISH OR, PIB WRAP, DEPENDING ON LOCATION (SEE DRAWING NOTATION).
2. FOR LTHW / CWS INSULATION THICKNESSES, SEE:- *"50902-VE-PS-XX-TS-M-5607 - PIPEWORK INSULATION TECH SUB"*.
3. LOAD BEARING INSERTS ARE TO BE INSTALLED AT ALL PIPEWORK BRACKETS TO ENSURE CONTINUITY OF INSULATION.
4. ALL PENETRATIONS TO BE FIRE RATED TO 60 MINUTES.
5. ALL PENETRATIONS THROUGH WALLS AND FLOORS, TO BE REVIEWED BY VITAL ENERGI STRUCTURAL ENGINEER.
6. ALL LOW POINTS TO BE FITTED WITH DRAIN VALVES (FIG 81HU), TO ALLOW DRAINING OF SYSTEM.
7. ALL HIGH POINTS TO BE FITTED WITH AUTOMATIC AIR VENTS ((AAV) ABO50), COMPLETE WITH ISOLATION VALVE TO ALLOW REPLACEMENT OF AAV.
8. ALL VALVES / FLANGES TO BE FITTED WITH REMOVABLE INSULATION JACKETS.
9. ALL SAFETY VALVES TO DISCHARGE TO EXISTING DRAINAGE.
10. WATER QUALITY OF EXISTING SYSTEM TO BE INLINE WITH BSREA BG29 / BG50. WATER QUALITY SAMPLES TO BE TAKEN PRIOR TO MODIFICATION.
11. CRASH BARRIERS TO BE INSTALLED AROUND STEELS / MAJOR EQUIPMENT, BETWEEN AREAS: ASHP05 AND BUFFER VESSELS, WHERE THEY ARE SUSCEPTIBLE TO VEHICULAR DAMAGE.
12. SIGNAGE TO BE INSTALLED TO HIGHLIGHT REDUCED HEADROOM.
13. PLEASE REFER TO DRAWING:- 50902-VE-PS-XX-DR-A-XX05 - ASHP SLABS LAYOUT AND DETAIL
14. FOR DETAILS, SEE DRAWING: 50902-VE-PS-XX-DR-A-XX10 - CORRIDOR STEEL LAYOUT & DETAILS.

TO BE READ IN CONJUNCTION WITH:-

- 50902-VE-PS-SW-DR-M-5601 - SITE WIDE GA
- 50902-VE-PS-SW-DR-M-5602 - ASHP COMPOUND STEELWORK
- 50902-VE-PS-XX-DR-M-5603 - PROPOSED UNDERCROFT AREA GA
- 50902-VE-PS-XX-DR-M-5605 - PROPOSED BOILER ROOM GA
- 50902-VE-PS-XX-DR-M-5606 - NETWORK RAIL CORRIDOR GA
- 50902-VE-PS-XX-DR-M-5609 - EXISTING DUCT AREA GA
- 50902-VE-PS-XX-DR-M-5610 - CAR PARK GA
- 50902-VE-PS-XX-E-M-5605 - UNDERCROFT ELEVATIONS
- 50902-VE-PS-XX-E-M-5606 - UNDERCROFT ELEVATIONS
- 50902-VE-PS-XX-DR-M-5611 - EXISTING BOILER ROOM STRIP-OUT GA - PHASE 1
- 50902-VE-PS-XX-DR-M-5612 - EXISTING BOILER ROOM STRIP-OUT GA - PHASE 2
- 50902-VE-PS-XX-SC-M-5602 - PROPOSED BOILER ROOM P&ID
- 50902-VE-PS-XX-SC-M-5603 - PROPOSED UNDERCROFT P&ID
- 50902-VE-PS-XX-SC-M-5604 - EXISTING BOILER ROOM STRIP-OUT P&ID - PHASE 1
- 50902-VE-PS-XX-SC-M-5605 - EXISTING BOILER ROOM STRIP-OUT P&ID - PHASE 2
- 50902-VE-SW-XX-SH-M-5601 - PICCADILLY STATION - EQUIPMENT & VALVE SCHEDULE
- 50902-VE-SW-XX-SH-M-5602 - PICCADILLY STATION - EQUIPMENT & VALVE SCHEDULE - ENABLING WORKS PHASE 1
- 50902-VE-PS-XX-DR-A-XX05 - ASHP SLABS LAYOUT AND DETAIL



UNDERCROFT ELEVATION D-D VIEW
SCALE 1:50

ISSUED FOR CONSTRUCTION

SCALE IN METRES 0 1 2 3 1:50

REV	DATE	DESCRIPTION	DRW	CKD	APP
C1	12.06.26	ISSUED FOR CONSTRUCTION	PM	CS	BC

VITAL ENERGI
Vital Energi. Century House, Roman Road, Blackburn, Lancashire, BB1 2LD
Tel: +44 (0)1254 296 000 Fax. +44 (0)1254 296 040

Project: NETWORK RAIL DECARBONISATION
Title: PICCADILLY STATION, UNDERCROFT, ELEVATIONS

DATE	11.06.2026	SCALE	1:50	SHEET	A0

CONSTRUCTION | Status: A | Stage: 5

Drg-No: 50902-VE-PS-XX-E-M-5605 | Rev: C1