

- 1. THE DETAIL ON THIS DRAWING IS SPECIFIC TO INTERNAL ABOVE GROUND DRAINAGE AND EXCLUDES BELOW GROUND DRAINAGE, SURFACE WATER DRAINAGE AND RAINWATER DRAINAGE.
- 2. THE COMPLETED SYSTEM SHALL BE A GRAVITY DRAINED SYSTEM UTILISING WHITE/GREY UPVC PIPEWORK AND FITTINGS TO DISTRIBUTE WASTE FROM ALL APPLIANCES LOCATED WITHIN THE BUILDING TO APPROPRIATE POP-UP CONNECTIONS FROM THE BELOW GROUND DRAINAGE SYSTEM DETAILED BY
- 3. ALL NEW FINAL APPLIANCE CONNECTIONS WILL BE WHITE MUPVC INCORPORATING MUPVC TRAPS FOR SINK, BASIN AND URINAL CONNECTIONS AND PROPRIETARY UPVC PAN CONNECTORS FOR WC CONNECTIONS.
- 4. ALL TRAPS TO BE OF THE ANTI-SYPHON TYPE TO PROTECT TRAP CONNECTIONS FROM LOSS OF WATER SEAL.
- 5. ALL MAIN SOIL/WASTE VENT PIPES SHALL RISE TO ROOF LEVEL AND TERMINATE WITH A VENT COWL BEFORE DISCHARGING TO ATMOSPHERE (NOTE THAT SOME VENT PIPES WILL BE COLLECTED TOGETHER WITHIN THE UPPER FLOOR CEILING BEFORE RISING TO ROOF LEVEL TO REDUCE NUMBER OF ROOF PENETRATIONS).
- 6. WHERE INDICATED ON THE DRAWINGS APPLIANCES TO BE VENTED USING SUITABLY SIZED AIR ADMITTANCE VALVES.
- 7. FALLS ON SOIL WASTE PIPES AND VENT PIPES SHALL NOT FALL BELOW THE MINIMUM STATED IN BS EN 12056: 2000.
- 8. SUITABLE ACCESS SHALL BE PROVIDE AND ALL CHANGES OF DIRECTION, AT EACH FLOOR LEVEL ABOVE BRANCH CONNECTIONS AND AT THE ALL POP-UP CONNECTIONS TO THE BELOW GROUND DRAINAGE.
- 9. WHERE PLASTIC PIPEWORK PASSES THROUGH ANY FIRE RATED WALLS, FLOORS, PARTITIONS OR CEILING A SUITABLY RATED INTUMESCENT FIRE SLEEVE/COLLAR SHALL BE INSTALLED IN ACCORDANCE WITH BS276 TO PROTECT THE

## <u>Abbreviations:</u>

- 1) 32x75mm DEEP SEAL MUPVC BOTTLE TRAP TO EACH WHB.
- 2 42x75mm DEEP SEAL MUPVC TUBULAR TRAP TO EACH SINK.
- 3 42x75mm DEEP SEAL MUPVC BOTTLE TRAP SERVING URINAL BOWL.
- (4) 1100 MULTIKWIC CONNECTOR TO WC PAN.
- 6) 42ø MUPVC WP.

- (9) 110ø UPVC SP.
- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- (11) 50¢ INTUMESCENT FIRE COLLAR/SLEEVE.
- (12) 82¢ INTUMESCENT FIRE COLLAR/SLEEVE.
- 13) 1100 INTUMESCENT FIRE COLLAR/SLEEVE.

----- PIPEWORK WITHIN CEILING VOID 

PIPEWORK AT LOW LEVEL ----- PIPEWORK BELOW FLOOR SLAB

AAV AIR ADMITTANCE VALVE

PIPEWORK FROM ABOVE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

VENT PIPE

⊗ STUB STACK

WP WASTE PIPE FA FROM ABOVE

RE | RODDING EYE FB FROM BELOW

TA TO ABOVE

FFL FINISHED FLOOR LEVEL TB TO BELOW

LL LOW LEVEL

HL HIGH LEVEL

S4 - P02 20/02/2023 LBC ISSUE. DRAINAGE ADDED TO AG MT MEDITATION RM. FCU DRAINAGE FOR LAB ENABLED SPACES ADDED S2 - P01 28/10/2022 TENDER ISSUE

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S2-P02

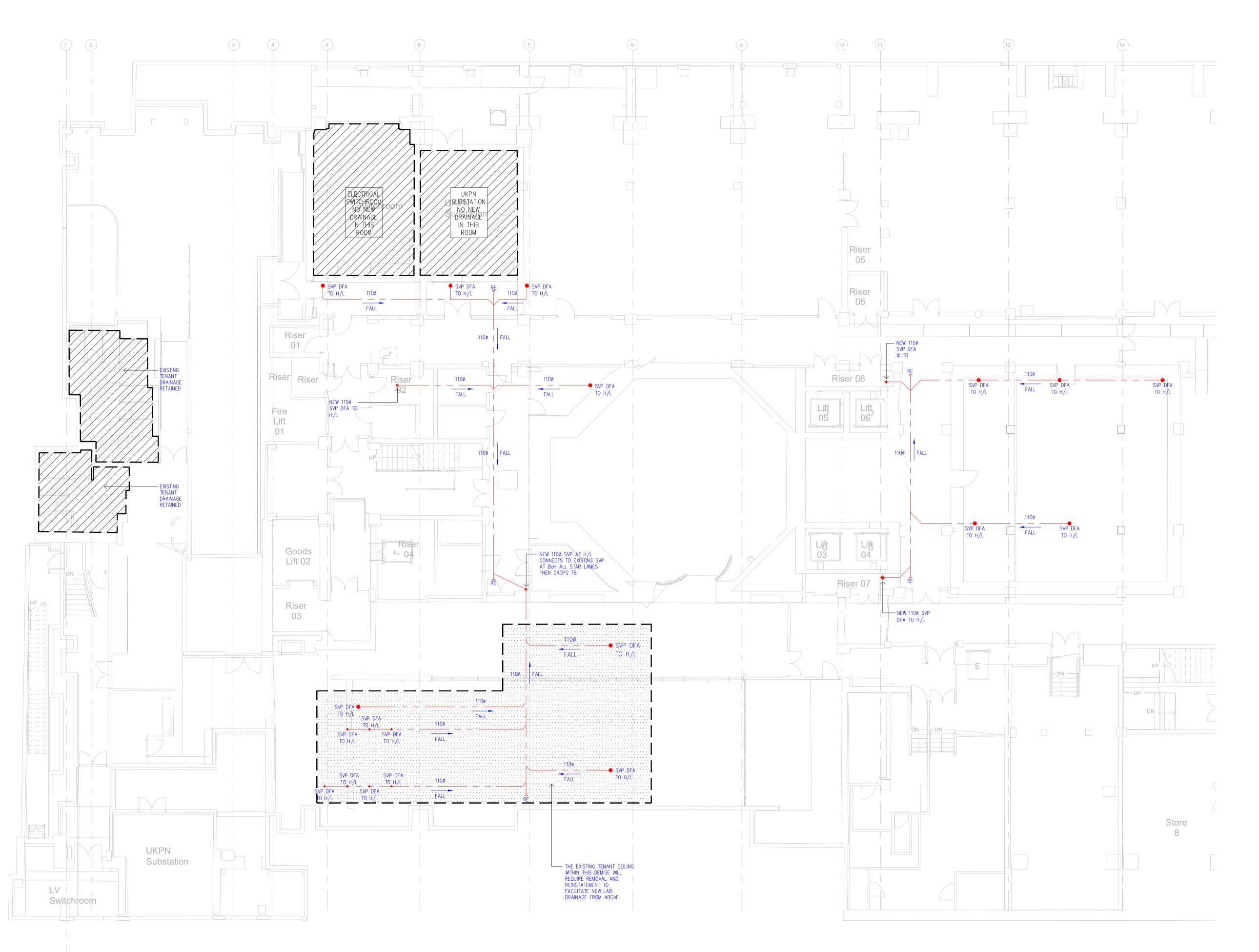
PROJECT INFORMATION OXFORD VICTORIA HOUSE

PROJECT DEVELOPMENT LTD LONDON, WC1B 4DA DRAWING INFORMATION

DRAWING TITLE MECHANICAL SERVICES BASEMENT 1 DRAINAGE LAYOUT

SHEET 1 of 2 DESIGNED BY AG DATE Sept. 2022 AG KJT JOB No. RAWN BY 1:100 @ A1 L3221

JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-01-B1-DR-M-5201 S2-P02



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- 4) 1100 MULTIKWIC CONNECTOR TO WC PAN.
- 5 32ø MUPVC WP. 6 42ø MUPVC WP.
- 7) 50ø MPVC WP.
- 8 82¢ UPVC WP.

<u>Legend:</u>

- 9 110ø UPVC SP.
- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- (11) 500 INTUMESCENT FIRE COLLAR/SLEEVE.
- 12) 82¢ INTUMESCENT FIRE COLLAR/SLEEVE.
- 13) 110ø INTUMESCENT FIRE COLLAR/SLEEVE.

----- PIPEWORK WITHIN CEILING VOID PIPEWORK AT LOW LEVEL ----- PIPEWORK BELOW FLOOR SLAB

AAV AIR ADMITTANCE VALVE SVP SOIL VENT PIPE

PIPEWORK FROM ABOVE WVP WASTE VENT PIPE VP VENT PIPE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

SP SOIL PIPE VENT PIPE S/S STUB STACK ⊗ STUB STACK WP WASTE PIPE FA FROM ABOVE RE |- RODDING EYE FB FROM BELOW

BC - BLANK CAP TA TO ABOVE FFL FINISHED FLOOR LEVEL TB TO BELOW - ACCESS PIPE HL HIGH LEVEL

S4 - P02 21/02/2023 LBC ISSUE AG MT S2 - P01 28/10/2022 TENDER ISSUE SUIT- REV DATE DESCRIPTION STATUS DRN CHK

LL LOW LEVEL

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S4-P02

PROJECT INFORMATION OXFORD VICTORIA HOUSE

PROJECT DEVELOPMENT LTD

LONDON, WC1B 4DA DRAWING INFORMATION DRAWING TITLE MECHANICAL SERVICES

BASEMENT 2 LAB DRAINAGE LAYOUT SHEET 1 of 2 DESIGNED BY AG DATE Sept. 2022 AG KJT JOB No. RAWN BY 1:100 @ A1 L3221

JOB CODE CORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-01-B2-DR-M-5201 S4-P02



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- 3 42x75mm DEEP SEAL MUPVC BOTTLE TRAP SERVING URINAL BOWL.
- 4 1100 MULTIKWIC CONNECTOR TO WC PAN.

- 7) 50ø MPVC WP.
- 8) 82ø UPVC WP.
- 9 110ø UPVC SP.
- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- (11) 500 INTUMESCENT FIRE COLLAR/SLEEVE.
- 12) 820 INTUMESCENT FIRE COLLAR/SLEEVE.
- 13) 110ø INTUMESCENT FIRE COLLAR/SLEEVE.

PIPEWORK AT LOW LEVEL ----- PIPEWORK BELOW FLOOR SLAB

AAV AIR ADMITTANCE VALVE

HL HIGH LEVEL

PIPEWORK FROM ABOVE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

VENT PIPE

S/S STUB STACK ⊗ STUB STACK

WP WASTE PIPE FA FROM ABOVE

FB FROM BELOW TA TO ABOVE

FFL FINISHED FLOOR LEVEL TB TO BELOW

LL LOW LEVEL

21/02/2023	LBC ISSUE	AG	MT
28/10/2022	TENDER ISSUE	AG	MT
DATE	DESCRIPTION	DRN	CHK
	28/10/2022	28/10/2022 TENDER ISSUE	28/10/2022 TENDER ISSUE AG

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S4-P02

PROJECT INFORMATION OXFORD VICTORIA HOUSE

LONDON, WC1B 4DA DRAWING INFORMATION

DRAWING TITLE MECHANICAL SERVICES LOWER GROUND DRAINAGE LAYOUT

SHEET 1 of 2 DESIGNED BY AG DATE Sept. 2022 AG KJT JOB No. DRAWN BY 1:100 @ A1 L3221

JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-01-LG-DR-M-5201 S4-P02



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- 4) 1100 MULTIKWIC CONNECTOR TO WC PAN. 5 32ø MUPVC WP.
- 6 42ø MUPVC WP.
- 7) 50ø MPVC WP.
- 8 82ø UPVC WP.

<u>Legend:</u>

- 9 110ø UPVC SP.
- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- 11) 500 INTUMESCENT FIRE COLLAR/SLEEVE.
- 12) 820 INTUMESCENT FIRE COLLAR/SLEEVE.
- 13) 110ø INTUMESCENT FIRE COLLAR/SLEEVE.

----- PIPEWORK WITHIN CEILING VOID 

----- PIPEWORK BELOW FLOOR SLAB

AAV AIR ADMITTANCE VALVE SVP SOIL VENT PIPE

PIPEWORK FROM ABOVE WVP WASTE VENT PIPE VP VENT PIPE

PIPEWORK FROM HIGH LEVEL/LOW LEVEL SP SOIL PIPE VENT PIPE

S/S STUB STACK ⊗ STUB STACK

WP WASTE PIPE FA FROM ABOVE

RE ├ RODDING EYE FB FROM BELOW BC 🗀 BLANK CAP TA TO ABOVE

FFL FINISHED FLOOR LEVEL

TB TO BELOW ACCESS PIPE

LL LOW LEVEL

HL HIGH LEVEL

S4 - P02 21/02/2023 LBC ISSUE. FCU DRAINAGE ADDED AG MT TO WRITE-UP AREA. DRAINAGE ADDED FOR NEW WELFARE

S2 - P01 28/10/2022 TENDER ISSUE SUIT- REV DATE DESCRIPTION STATUS

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PROJECT INFORMATION

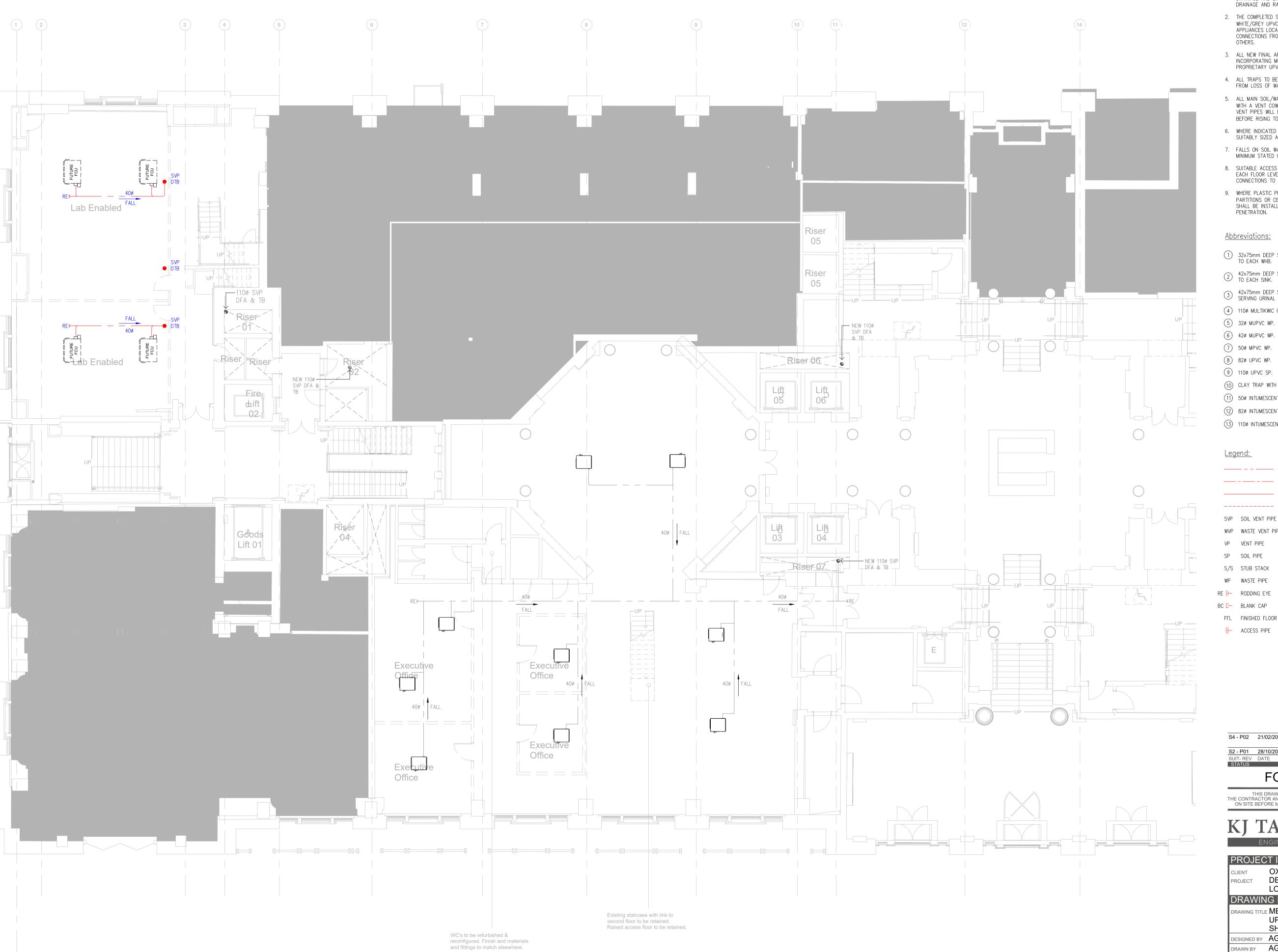
OXFORD VICTORIA HOUSE

LONDON, WC1B 4DA DRAWING INFORMATION DRAWING TITLE MECHANICAL SERVICES

PROJECT DEVELOPMENT LTD

MEZZANINE DRAINAGE LAYOUT SHEET 1 of 2 DESIGNED BY AG DATE Sept. 2022

AG DRAWN BY KJT JOB No. 1:100 @ A1 L3221 JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-01-MZ-DR-M-5201 S4-P02



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# <u>Legend:</u>

----- PIPEWORK WITHIN CEILING VOID PIPEWORK AT LOW LEVEL

----- PIPEWORK BELOW FLOOR SLAB

AAV AIR ADMITTANCE VALVE

SVP SOIL VENT PIPE

PIPEWORK FROM ABOVE WVP WASTE VENT PIPE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

SP SOIL PIPE VENT PIPE

S/S STUB STACK ⊗ STUB STACK

WP WASTE PIPE FA FROM ABOVE

FB FROM BELOW

BC 🗀 BLANK CAP TA TO ABOVE

FFL FINISHED FLOOR LEVEL TB TO BELOW

LL LOW LEVEL

S4 - P02 21/02/2023 LBC ISSUE. FCU DRAINAGE ADDED AG MT TO LAB ENABLED AREAS S2 - P01 28/10/2022 TENDER ISSUE SUIT- REV DATE DESCRIPTION STATUS DRN CHK

HL HIGH LEVEL

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PROJECT INFORMATION

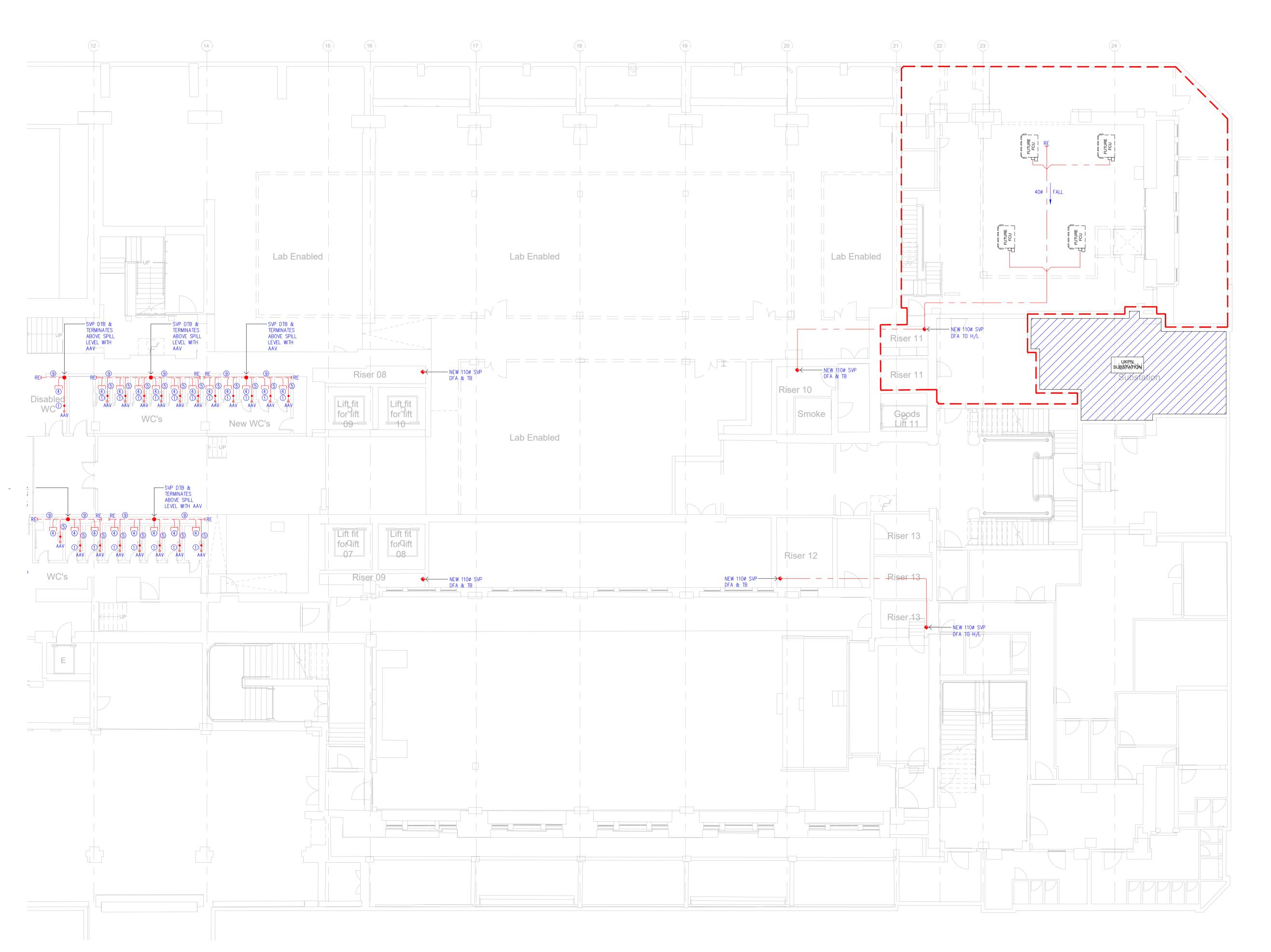
PROJECT DEVELOPMENT LTD LONDON, WC1B 4DA DRAWING INFORMATION

DRAWING TITLE MECHANICAL SERVICES

UPPER GROUND DRAINAGE LAYOUT SHEET 1 of 2 DESIGNED BY AG DATE Sept. 2022 AG

OXFORD VICTORIA HOUSE

KJT JOB No. 1:100 @ A1 L3221 JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-01-UG-DR-M-5201 S4-P02



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AAV AIR ADMITTANCE VALVE SVP SOIL VENT PIPE PIPEWORK FROM ABOVE

VP VENT PIPE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

SP SOIL PIPE VENT PIPE

S/S STUB STACK ⊗ STUB STACK WP WASTE PIPE FA FROM ABOVE

RE ├─ RODDING EYE FB FROM BELOW BC - BLANK CAP TA TO ABOVE

FFL FINISHED FLOOR LEVEL TB TO BELOW - ACCESS PIPE HL HIGH LEVEL

LL LOW LEVEL

AG MT S2 - P02 20/01/2023 LBC ISSUE UNIT 1 SERVICES ADDED S2 - P01 16/12/2022 TENDER ISSUE AG MT SUIT- REV DATE DESCRIPTION STATUS DRN CHK

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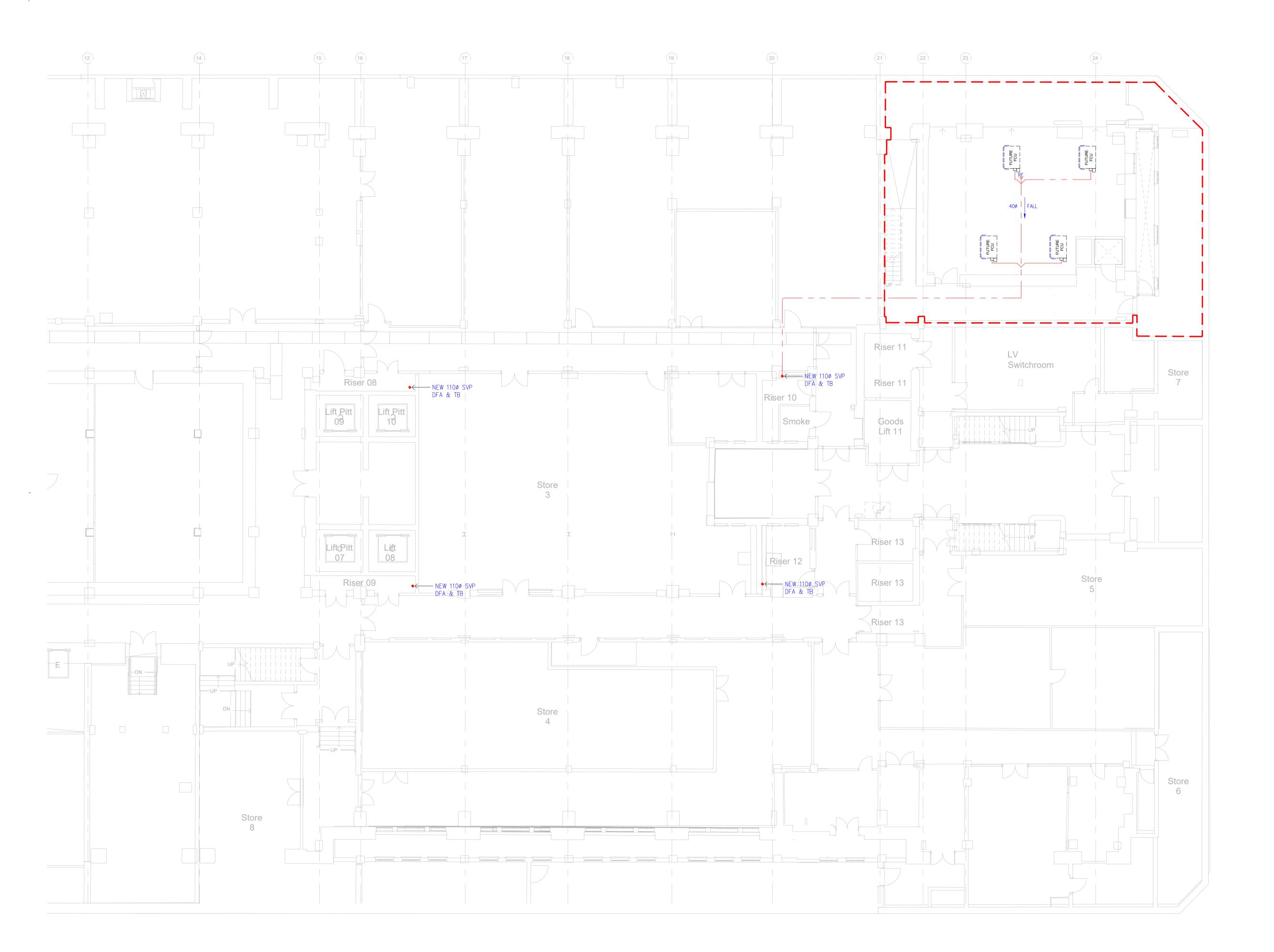
S4-P02

PROJECT INFORMATION OXFORD VICTORIA HOUSE

LONDON, WC1B 4DA DRAWING INFORMATION DRAWING TITLE MECHANICAL SERVICES BASEMENT 1 DRAINAGE LAYOUT

PROJECT DEVELOPMENT LTD

SHEET 2 of 2 DESIGNED BY AG DATE Sept. 2022 AG KJT JOB No. DRAWN BY 1:100 @ A1 L3221 JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV KJT-02-B1-DR-M-5201 S4-P02



- THE DETAIL ON THIS DRAWING IS SPECIFIC TO INTERNAL ABOVE GROUND DRAINAGE AND EXCLUDES BELOW GROUND DRAINAGE, SURFACE WATER DRAINAGE AND RAINWATER DRAINAGE.
- 2. THE COMPLETED SYSTEM SHALL BE A GRAVITY DRAINED SYSTEM UTILISING WHITE/GREY UPVC PIPEWORK AND FITTINGS TO DISTRIBUTE WASTE FROM ALL APPLIANCES LOCATED WITHIN THE BUILDING TO APPROPRIATE POP-UP CONNECTIONS FROM THE BELOW GROUND DRAINAGE SYSTEM DETAILED BY
- 3. ALL NEW FINAL APPLIANCE CONNECTIONS WILL BE WHITE MUPVC INCORPORATING MUPVC TRAPS FOR SINK, BASIN AND URINAL CONNECTIONS AND PROPRIETARY UPVC PAN CONNECTORS FOR WC CONNECTIONS.
- 4. ALL TRAPS TO BE OF THE ANTI-SYPHON TYPE TO PROTECT TRAP CONNECTIONS FROM LOSS OF WATER SEAL.
- 5. ALL MAIN SOIL/WASTE VENT PIPES SHALL RISE TO ROOF LEVEL AND TERMINATE WITH A VENT COWL BEFORE DISCHARGING TO ATMOSPHERE (NOTE THAT SOME VENT PIPES WILL BE COLLECTED TOGETHER WITHIN THE UPPER FLOOR CEILING BEFORE RISING TO ROOF LEVEL TO REDUCE NUMBER OF ROOF PENETRATIONS).
- 6. WHERE INDICATED ON THE DRAWINGS APPLIANCES TO BE VENTED USING SUITABLY SIZED AIR ADMITTANCE VALVES.
- 7. FALLS ON SOIL WASTE PIPES AND VENT PIPES SHALL NOT FALL BELOW THE MINIMUM STATED IN BS EN 12056: 2000.
- 8. SUITABLE ACCESS SHALL BE PROVIDE AND ALL CHANGES OF DIRECTION, AT EACH FLOOR LEVEL ABOVE BRANCH CONNECTIONS AND AT THE ALL POP-UP CONNECTIONS TO THE BELOW GROUND DRAINAGE.
- 9. WHERE PLASTIC PIPEWORK PASSES THROUGH ANY FIRE RATED WALLS, FLOORS, PARTITIONS OR CEILING A SUITABLY RATED INTUMESCENT FIRE SLEEVE/COLLAR SHALL BE INSTALLED IN ACCORDANCE WITH BS276 TO PROTECT THE PENETRATION.

## <u>Abbreviations:</u>

- 1) 32x75mm DEEP SEAL MUPVC BOTTLE TRAP TO EACH WHB.
- 2 42x75mm DEEP SEAL MUPVC TUBULAR TRAP TO EACH SINK.
- 3 42x75mm DEEP SEAL MUPVC BOTTLE TRAP SERVING URINAL BOWL.
- 4 1100 MULTIKWIC CONNECTOR TO WC PAN.
- 5 32¢ MUPVC WP.
- 6 420 MUPVC WP.
- 7) 50ø MPVC WP.
- 8) 82¢ UPVC WP.
- 9 110ø UPVC SP.
- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- 11) 500 INTUMESCENT FIRE COLLAR/SLEEVE.
- 12) 820 INTUMESCENT FIRE COLLAR/SLEEVE.
- 13 1100 INTUMESCENT FIRE COLLAR/SLEEVE.
- 13) TIOW INTOMESCENT FIRE COLLARY SLEEVE.

# <u>Legend:</u>

PIPEWORK WITHIN CEILING VOID

PIPEWORK AT HIGH LEVEL

PIPEWORK AT LOW LEVEL

PIPEWORK BELOW FLOOR SLAB

SVP SOIL VENT PIPE AAV O AIR ADMITTANCE VALVE

WASTE VENT PIPE PIPEWORK FROM ABOVE

VP VENT PIPE • PIPEWORK FROM HIGH LEVEL/LOW LEVEL

SP SOIL PIPE O VENT PIPE

S/S STUB STACK ⊗ STUB STACK

RE |- RODDING EYE FB FROM BELOW

BC C- BLANK CAP TA TO ABOVE

FFL FINISHED FLOOR LEVEL TB TO BEL

 S4 - P02
 20/01/2023
 LBC ISSUE SERVICES ADDED TO UNIT 1
 AG MT

 S2 - P01
 16/12/2022
 TENDER ISSUE
 AG MT

HL HIGH LEVEL

# FOR INFORMATION

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THE CONTRACTOR AND THEIR SUB-CONTRACTORS ARE TO VERIFY ALL DIMENSIONS
ON SITE BEFORE MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.



SUIT- REV DATE DESCRIPTION STATUS

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DRN CHK

PROJECT INFORMATION

CLIENT OXFORD VICTORIA HOUSE

PROJECT DEVELOPMENT LTD
LONDON, WC1B 4DA
DRAWING TITLE MECHANICAL SERVICE

DRAWING TITLE MECHANICAL SERVICES
BASEMENT 2 LAB DRAINAGE LAYOUT
SHEET 2 of 2

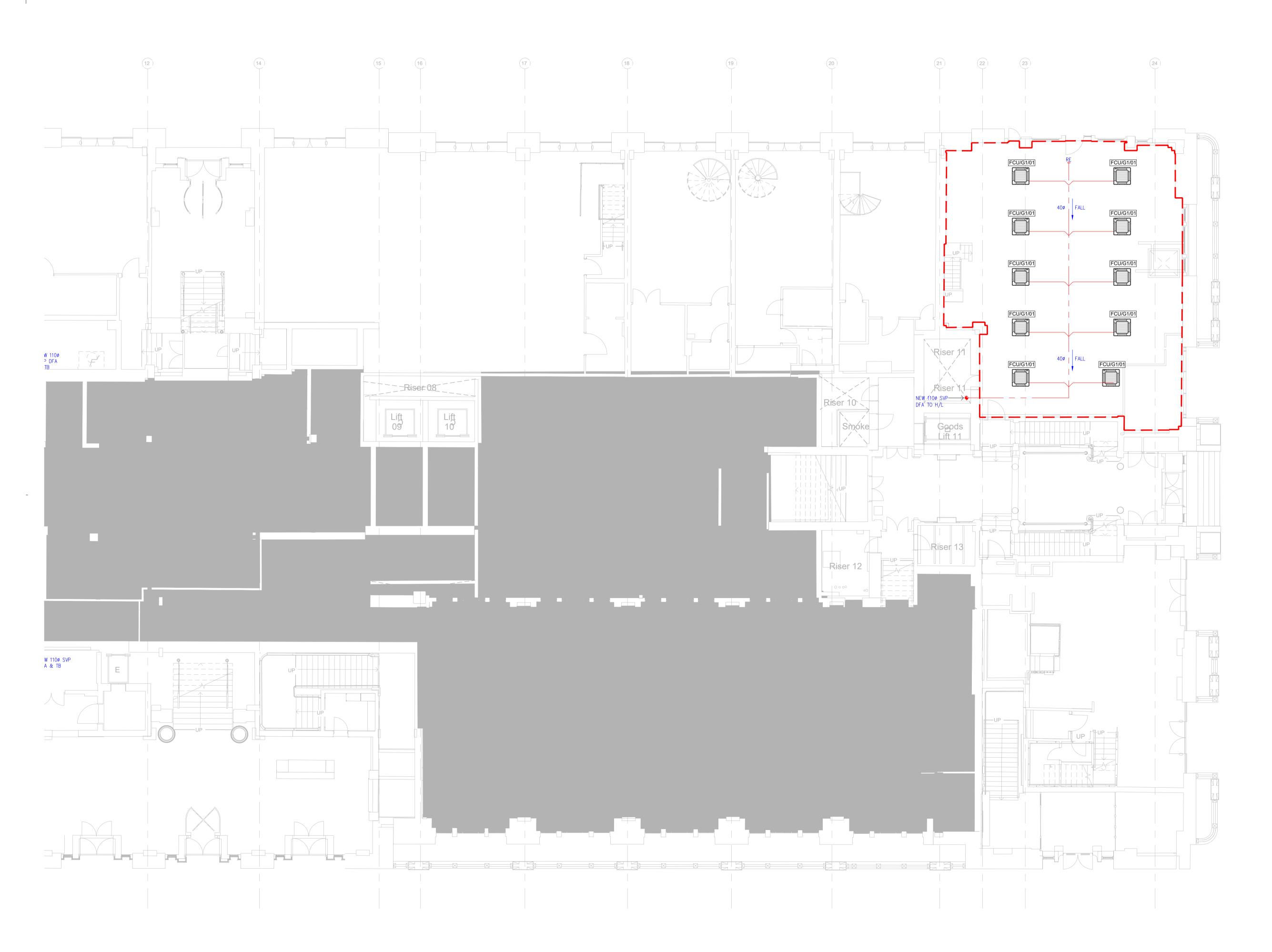
DESIGNED BY AG

DATE Sept. 2022

DRAWN BY AG

SCALE 1:100 @ A1

JOB CODE | ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER | SUIT-REV |
L3221 KJT-02-B2-DR-M-5201 S4-P03



- THE DETAIL ON THIS DRAWING IS SPECIFIC TO INTERNAL ABOVE GROUND DRAINAGE AND EXCLUDES BELOW GROUND DRAINAGE, SURFACE WATER DRAINAGE AND RAINWATER DRAINAGE.
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## <u>Abbreviations:</u>

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- (10) CLAY TRAP WITH 500 MUPVC INLET & OUTLET.
- (11) 500 INTUMESCENT FIRE COLLAR/SLEEVE.
- (12) 82¢ INTUMESCENT FIRE COLLAR/SLEEVE.
- (3) 1100 INTUMESCENT FIRE COLLAR/SLEEVE.

# Legend:

PIPEWORK WITHIN CEILING VOID

PIPEWORK AT HIGH LEVEL

PIPEWORK AT LOW LEVEL

PIPEWORK BELOW FLOOR SLAB

VP VENT PIPE PIPEWORK FROM HIGH LEVEL/LOW LEVEL

SP SOIL PIPE ○ VENT PIPE

S/S STUB STACK 
⊗ STUB STACK

WP WASTE PIPE FA FROM ABOVE

RE |- RODDING EYE FB FROM BELOW

BC C- BLANK CAP TA TO ABOVE

 S4 - P02
 20/01/2023
 LBC ISSUE SERVICES ADDED TO UNIT 1
 AG
 MT

 S2 - P01
 28/10/2022
 STAGE 3 ISSUE
 AG
 MT

 SUIT- REV
 DATE
 DESCRIPTION
 DRN
 CHK

 STATUS
 CHK
 CHK

LL LOW LEVEL

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PROJECT INFORMATION

CLIENT OXFORD VICTORIA HOUSE
PROJECT DEVELOPMENT LTD
LONDON, WC1B 4DA

DRAWING INFORMATION

DRAWING TITLE MECHANICAL SERVICES

LOWER GROUND DRAINA

LOWER GROUND DRAINAGE LAYOUT SHEET 2 of 2

DESIGNED BY AG
DATE Sept. 2022

DRAWN BY AG
SCALE 1:100 @ A1

JOB CODE ORIGIN-VOL-LEVEL-TYPE-ROLE-CLASS NUMBER SUIT- REV L3221

KJT-02-LG-DR-M-5201

SHEET 2 of 2

DATE Sept. 2022

KJT JOB NO.

SUIT- REV S4-P01