

NOTE:
ALL VERTICAL PIPEWORK CONTAINED IN BOXED-INS ARE TO BE PROVIDED WITH A REMOVABLE ACCESS PANEL APPROX 1200mm FFL IN ORDER TO REACH RODDING ACCESS DOOR.

GRADIENT OF PIPES
(EXCEPT FROM PLANT/BOILER ROOMS WHICH ARE VARIABLE)

WP @ HL = GRADIENT 1:60
WP @ LL = GRADIENT 1:60
SP @ HL = GRADIENT 1:40
SP @ LL = GRADIENT 1:40
VP @ HL = GRADIENT 1:200
RWP@ HL = GRADIENT 1:60-1:80

THESE GRADIENTS GENERALLY WILL APPLY SUBJECT TO ANY SPECIFIC GRADIENTS SHOWN ON OUR DRAWINGS.

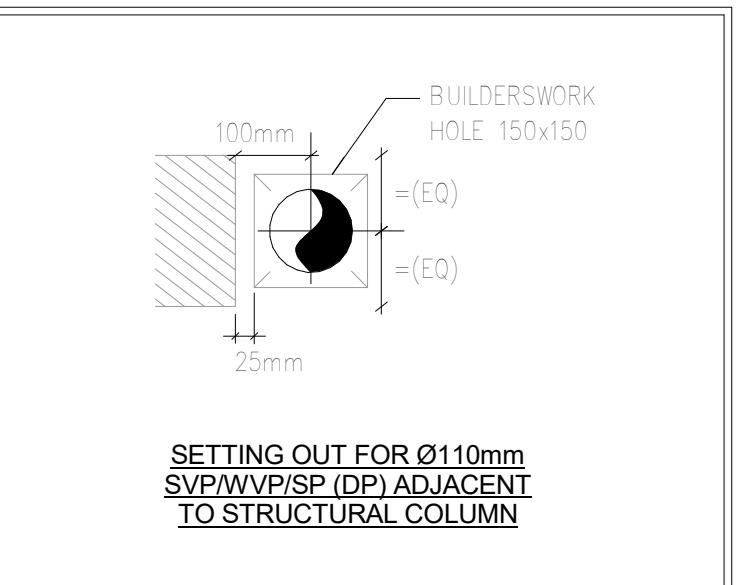
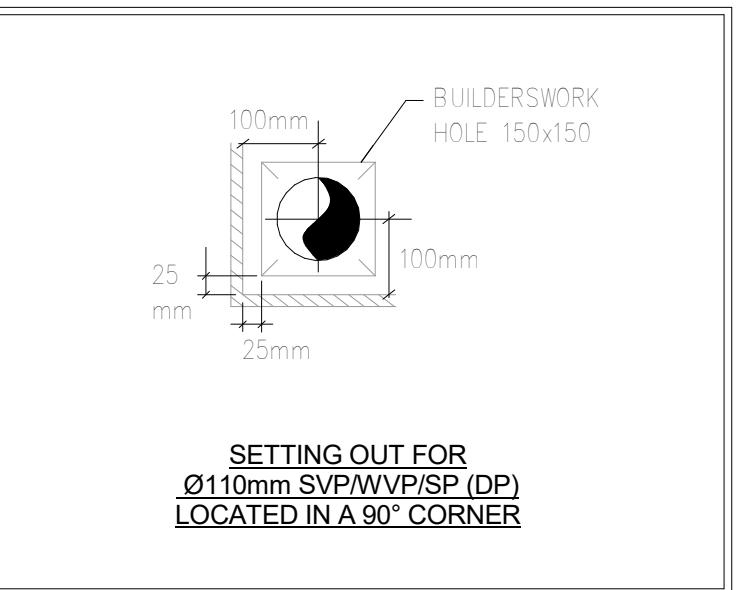
GENERAL NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MEP PERFORMANCE SPECIFICATION AND ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.

2. ALL CONTENT WITHIN THE REVIT MODEL IS DRAWN RELATIVE TO WHAT IS DISPLAYED. CPW CANNOT BE HELD ACCOUNTABLE FOR ANY DISCREPANCIES OF PLACEMENT/POSITIONING OF SERVICES DUE TO ABSENT INFORMATION WITHIN THE LAYOUTS.

3. THIS DRAWING IS FOR TENDER PURPOSES ONLY. DETAILED INSTALLATION DRAWINGS ARE TO BE PROVIDED BY THE SUCCESSFUL SUBCONTRACTOR PRIOR TO INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATION.

LEGEND:

SVP	SOIL VENT PIPE
WVP	WASTE VENT PIPE
VP	MAIN VENT PIPE
SP	SOIL PIPE
WP	WASTE PIPE
TB	TO BELOW
TA	TO ABOVE
FB	FROM BELOW
FA	FROM ABOVE
HL	HIGH LEVEL
LL	LOW LEVEL



REF	DATE	DESCRIPTION	TC	AA
P09	APR 21	FINAL STAGE 4 ISSUE	TC	AA
P08	MAR 21	PRELIMINARY STAGE 4 ISSUE	TC	AA
P07	DEC 20	PRELIMINARY TENDER ISSUE	TC	AA
P06	JAN 21	UPDATED TO INCORPORATE ARCHITECT COMMENTS	TC	AA
P05	DEC 20	UPDATED FOR LAYOUT CHANGE	TC	AA
P04	MAY 21	FOR TENDER	BP	JP
P03	DEC 20	FOR TENDER AMENDMENTS	BP	JP
P02	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
P01	OCT 21	CHANGES TO TITLE BLOCK REVISIONS	ZO	NR
T01	SEPT 21	TENDER ISSUE	CC	BP
REV	DATE		IE	



STAGE 4

STATUS
SUITABLE FOR STAGE APPROVAL

CLIENT
THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT
HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE
PUBLIC HEALTH SERVICES
SECOND FLOOR & ROOF LEVEL
ABOVE GROUND DRAINAGE

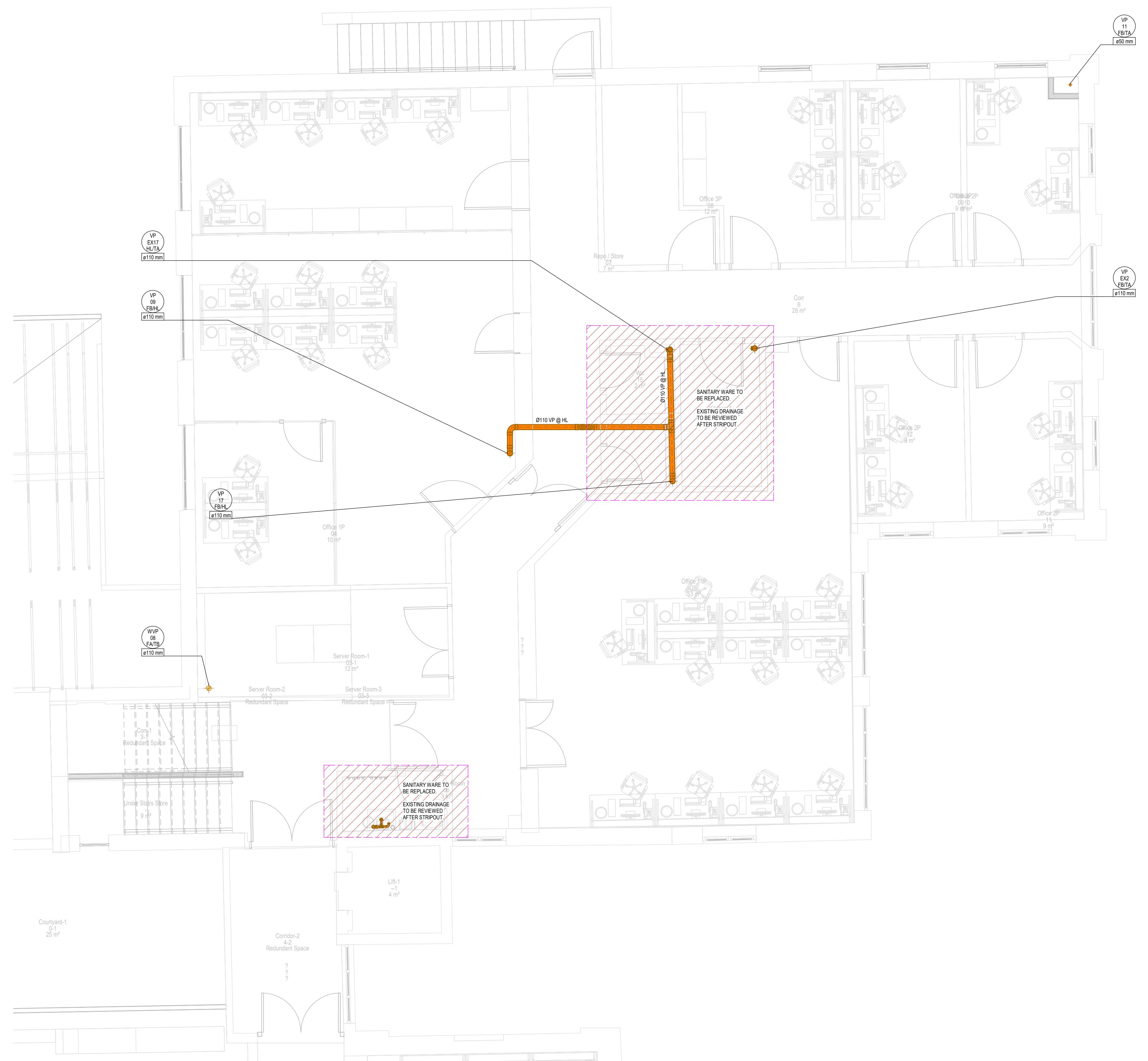
SCALE (A1) DATE BY VE
1:100 AUG '21 BP JP

Proj D Originator CPW Volume Level Type Rule Number Revision
THHFP1 ZZ 02 DR P 40001 S4 P09
CPW Project No. 240299

LINKED FILES
-HTF-LDW-XX-ZZ-M3-A-0001

THHFP1-CRH-ZZ-ZZ-M3-S-0001

THHFP1-CPW-ZZ-02-DR-P-40001 S4 P09



NOTE:
ALL VERTICAL PIPEWORK CONTAINED IN BOXED-INS ARE TO BE PROVIDED WITH A REMOVABLE ACCESS PANEL APPROX 1200mm FFL IN ORDER TO REACH RODDING ACCESS DOOR.

GRADIENT OF PIPES
(EXCEPT FROM PLANT/BOILER ROOMS WHICH ARE VARIABLE)

WP @ HL = GRADIENT 1:60
WP @ LL = GRADIENT 1:60
SP @ HL = GRADIENT 1:40
SP @ LL = GRADIENT 1:40
VP @ HL = GRADIENT 1:200
RWP @ HL = GRADIENT 1:60-1:80

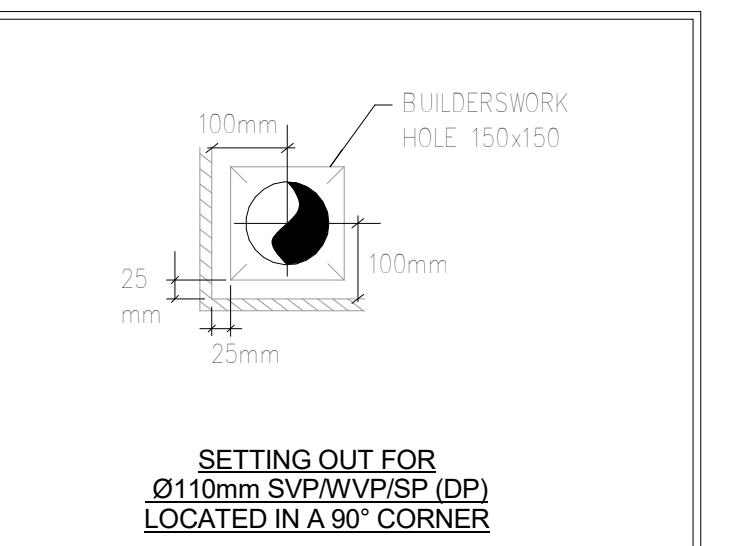
THESE GRADIENTS GENERALLY WILL APPLY SUBJECT TO ANY SPECIFIC GRADIENTS SHOWN ON OUR DRAWINGS.

GENERAL NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MEP PERFORMANCE SPECIFICATION AND ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
2. ALL CONTENT WITHIN THE REVIT MODEL IS DRAWN RELATIVE TO WHAT IS DISPLAYED. CPW CANNOT BE HELD ACCOUNTABLE FOR ANY DISCREPANCIES OF PLACEMENT/POSITIONING OF SERVICES DUE TO ABSENT INFORMATION WITHIN THE LAYOUTS.

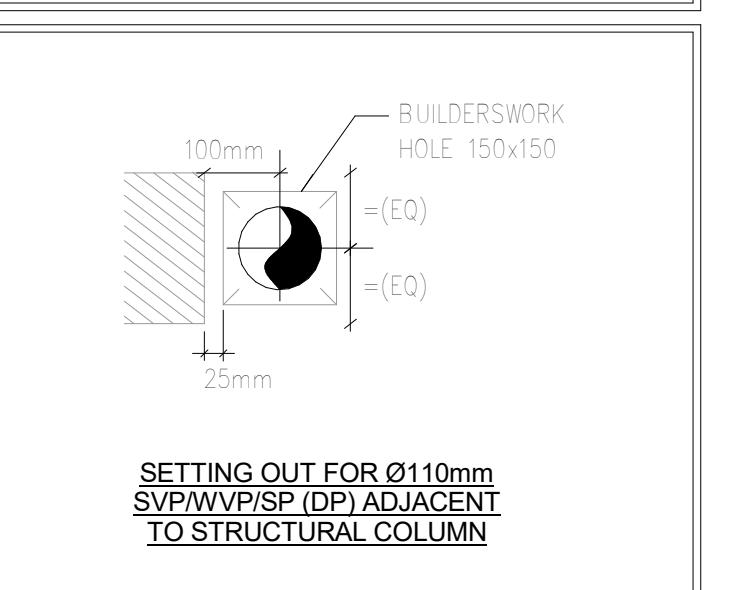
3. THIS DRAWING IS FOR TENDER PURPOSES ONLY. DETAILED INSTALLATION DRAWINGS ARE TO BE PROVIDED BY THE SUCCESSFUL SUBCONTRACTOR PRIOR TO INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATION.

LEGEND:

SVP	SOIL VENT PIPE
WVP	WASTE VENT PIPE
VP	MAIN VENT PIPE
SP	SOIL PIPE
WP	WASTE PIPE
TB	TO BELOW
TA	TO ABOVE
FB	FROM BELOW
FA	FROM ABOVE
HL	HIGH LEVEL
LL	LOW LEVEL



SETTING OUT FOR Ø110mm SVP/WVP/SP (DP) LOCATED IN A 90° CORNER



SETTING OUT FOR Ø110mm SVP/WVP/SP (DP) ADJACENT TO STRUCTURAL COLUMN

P09	APR 21	FINAL STAGE 4 ISSUE	TC	AA
P08	MAR 21	PREVIOUS TENDER ISSUE	TC	AA
P07	DEC 20	PREVIOUS TENDER ISSUE	TC	AA
P06	JAN 21	PREVIOUS TENDER ISSUE	TC	AA
P05	DEC 20	UPDATED FOR LAYOUT CHANGE	TC	AA
P04	MAY 21	UPDATED FOR LAYOUT CHANGE	TC	AA
P03	JUN 21	FOR TENDER	BP	JP
P02	DEC 21	FOR TENDER	BP	JP
P01	OCT 21	SUITABLE FOR STAGE APPROVAL	BP	JP
T01	SEPT 21	CHANGES TO TILE BLOCK REVISIONS	ZO	NR
REV	DATE	DESCRIPTION	CC	IE



STAGE 4

STATUS
SUITABLE FOR STAGE APPROVAL

CLIENT
THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT
HILLINGDON HOSPITAL - THE FURZE

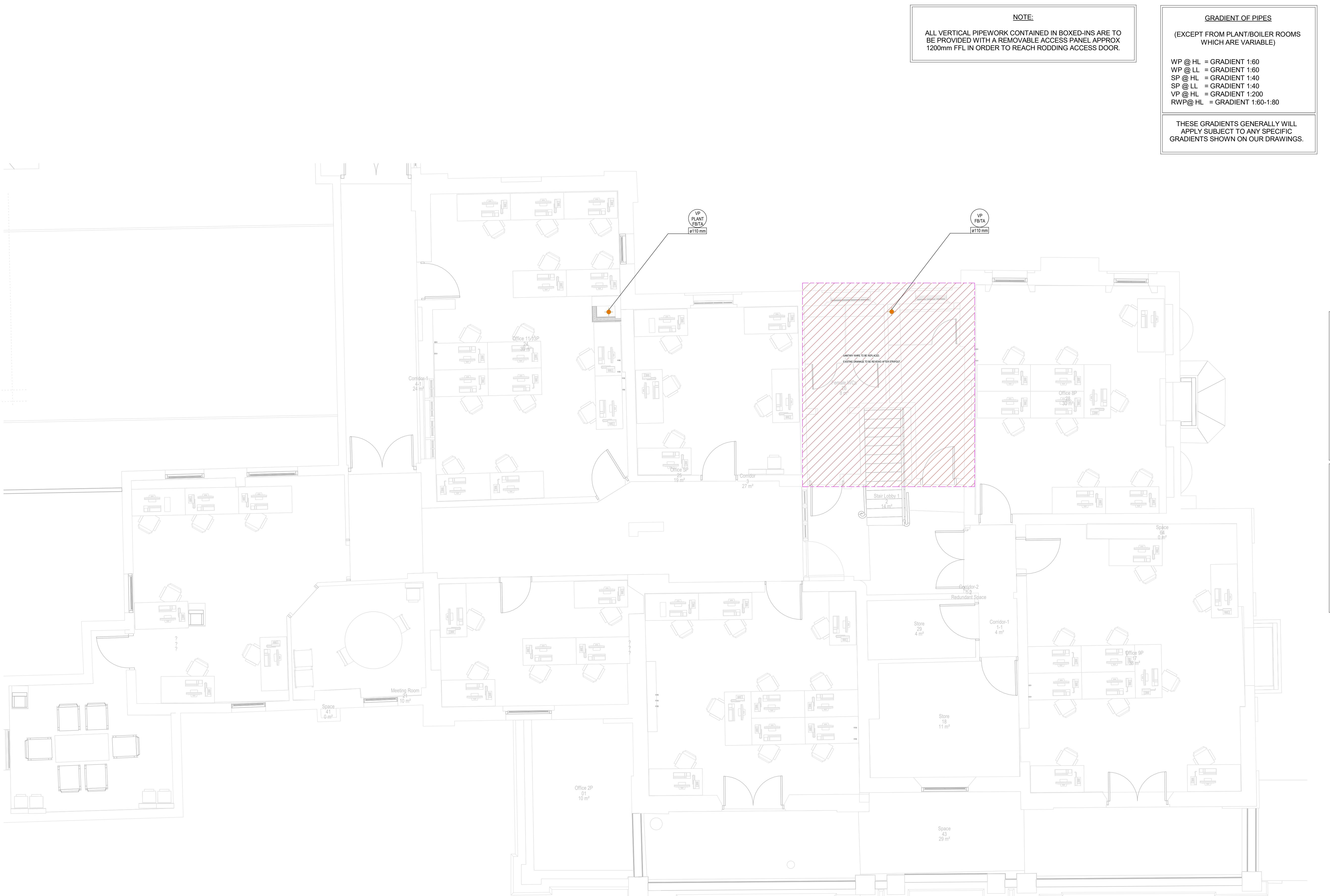
DRAWING TITLE
PUBLIC HEALTH SERVICES
FIRST FLOOR - CLINICAL ADMIN
ABOVE GROUND DRAINAGE

SCALE (A1) DATE BY VE
1:50 AUG '21 BP JP

Prog ID Operator Volume Level Type Rule Number S4 Revision
THHFP1 CPW ZZ 01 DR P 0002 S4 P09
CPW Project No. 240299

LINKED FILES
-HTF-LDW-XX-ZZ-M3-A-0001
THHFP1-CRH-ZZ-ZZ-M3-S-0001

THHFP1-CPW-ZZ-01-DR-P-40002 S4 P09



GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MEP PERFORMANCE SPECIFICATION AND ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
2. ALL CONTENT WITHIN THE REVIT MODEL IS DRAWN RELATIVE TO WHAT IS DISPLAYED. CPW CANNOT BE HELD ACCOUNTABLE FOR ANY DISCREPANCIES OF PLACEMENT/POSITIONING OF SERVICES DUE TO ABSENT INFORMATION WITHIN THE LAYOUTS.
3. THIS DRAWING IS FOR TENDER PURPOSES ONLY. DETAILED INSTALLATION DRAWINGS ARE TO BE PROVIDED BY THE SUCCESSFUL SUBCONTRACTOR PRIOR TO INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATION.

STAGE 4

P09	APR 21	FINAL STAGE 4 ISSUE	TC	AA
P07	MAR 21	PRELIMINARY TENDER ISSUE	TC	AA
P06	JAN 21	UPDATED TO INCORPORATE ARCHITECT COMMENTS	TC	AA
P05	DEC20	UPDATED FOR LAYOUT CHANGE	TC	AA
P04	MAY21	FOR TENDER	BP	JP
P03	DEC21	FOR TENDER AMENDMENTS	BP	JP
P02	DEC21	SUITABLE FOR STAGE APPROVAL	BP	JP
P01	OCT 21	CHANGES TO TILE BLOCK REVISIONS	ZO	NR
T01	SEPT 21	TENDER ISSUE	CC	BP
REV	DATE	DESCRIPTION	IE	IE

couchperrywilkes
engineering

Birmingham | +44(0) 121 78 6500
Nottingham | +44(0) 115 80 3348
Huntingdon | +44(0) 148 84 7458
Leeds | +44(0) 113 21 0700
Bristol | +44(0) 117 31 5201
Leicester | +44(0) 162 51 7337
London | +44(0) 203 87 4790
Manchester | +44(0) 161 97 1758

RIBA STAGE
STAGE 4

STATUS
SUITABLE FOR STAGE APPROVAL

CLIENT
THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT
HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE
**PUBLIC HEALTH SERVICES
FIRST FLOOR-CLINICAL ADMIN
ABOVE GROUND DRAINAGE**

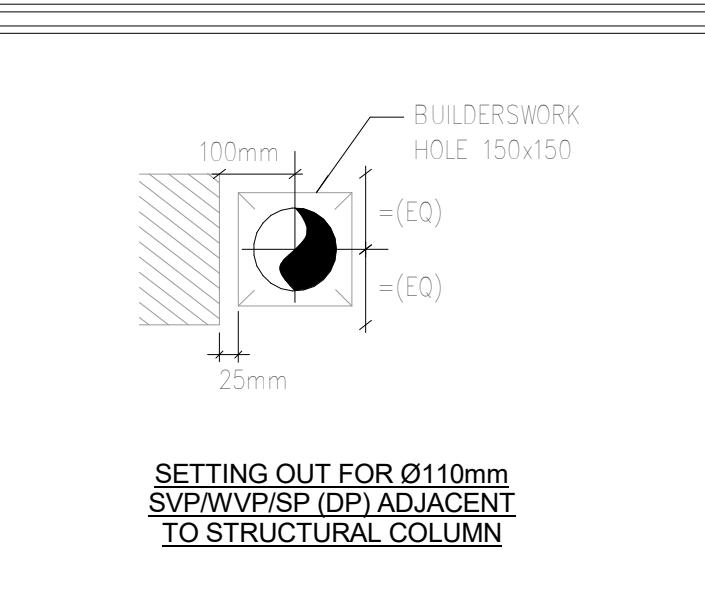
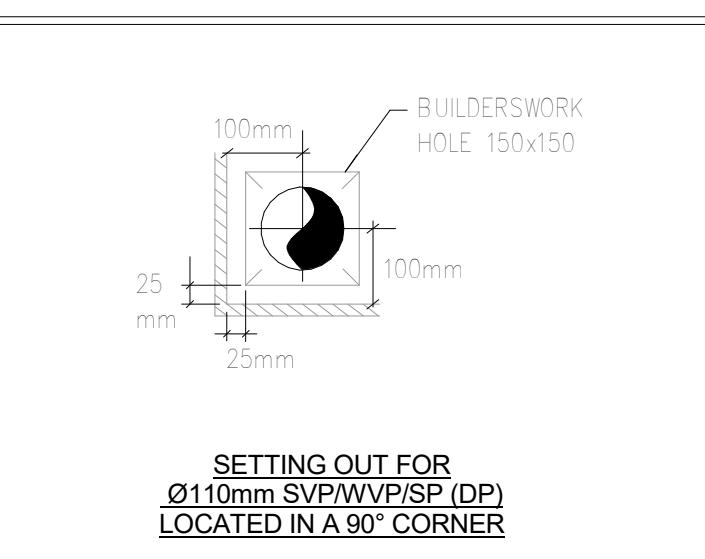
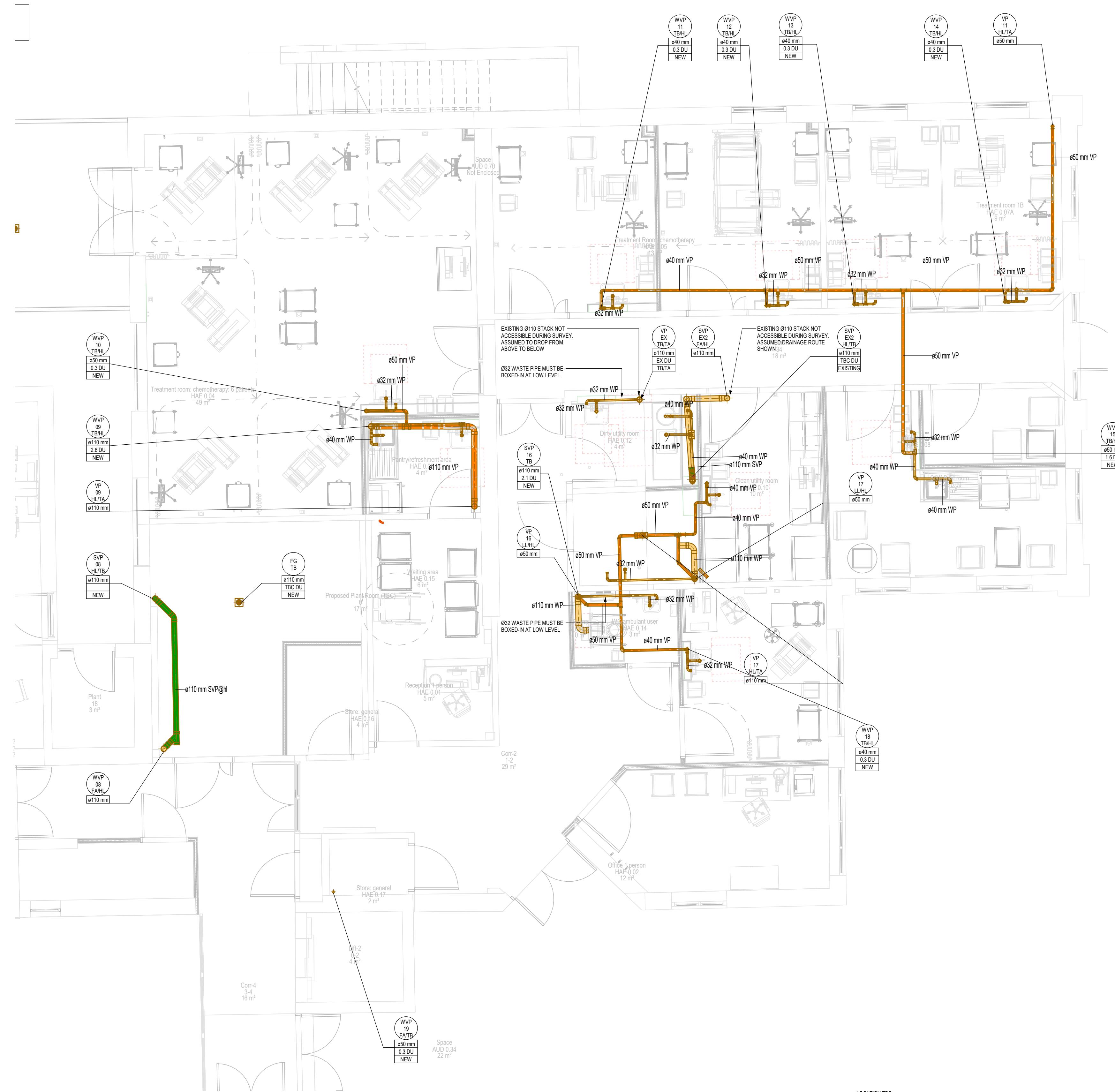
SCALE (A1) DATE BY VE
1:50 AUG'21 BP JP

Prog D Operator Volume Level Tie Rule Number Suitability Revision
THHFP1 CPW ZZ 01 DR P 40001 S4 P09

CPW Project No. 240299

LINKED FILES
-HTF-LDW-XX-ZZ-M3-A-0001
THHFP1-CRH-ZZ-ZZ-M3-S-0001

THHFP1-CPW-ZZ-01-DR-P-40001 S4 P09



P08	APR 21	FINAL STAGE ISSUE	TC
P07	MAR 21	PRELIMINARY TENDER ISSUE	AA
P06	JAN 21	UPDATED TO INCORPORATE ARCHITECT COMMENTS	TC
P05	DEC 20	UPDATED FOR LAYOUT CHANGE	TC
P04	MAY 21	FOR TENDER	AA
P03	APR 21	FOR TENDER AMENDMENTS	BP
P02	DEC 21	SUITABLE FOR STAGE APPROVAL	BP
P01	OCT 21	CHANGES TO TILE BLOCK REVISIONS	BP
T01	SEPT 21	TENDER ISSUE	ZO
REV	DATE	DESCRIPTION	CC
			IE



STAGE 4

STATUS
SUITABLE FOR STAGE APPROVAL
CLIENT
THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

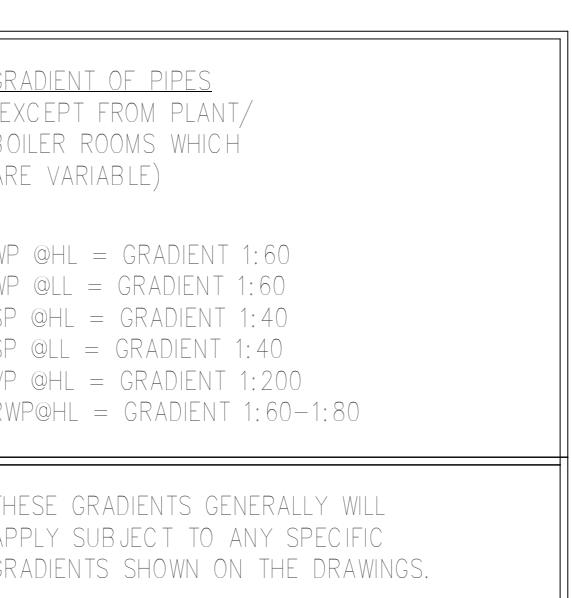
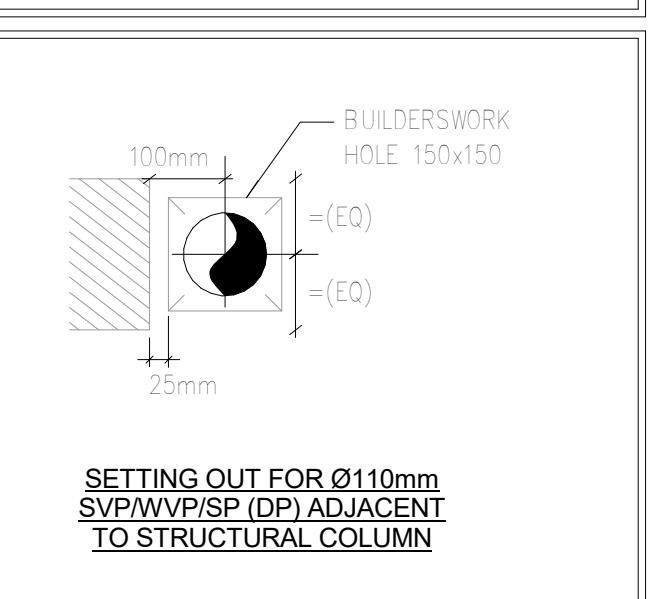
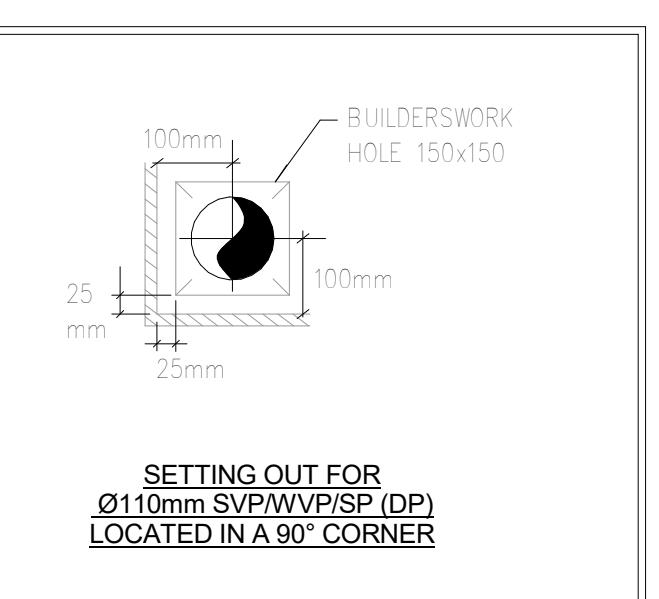
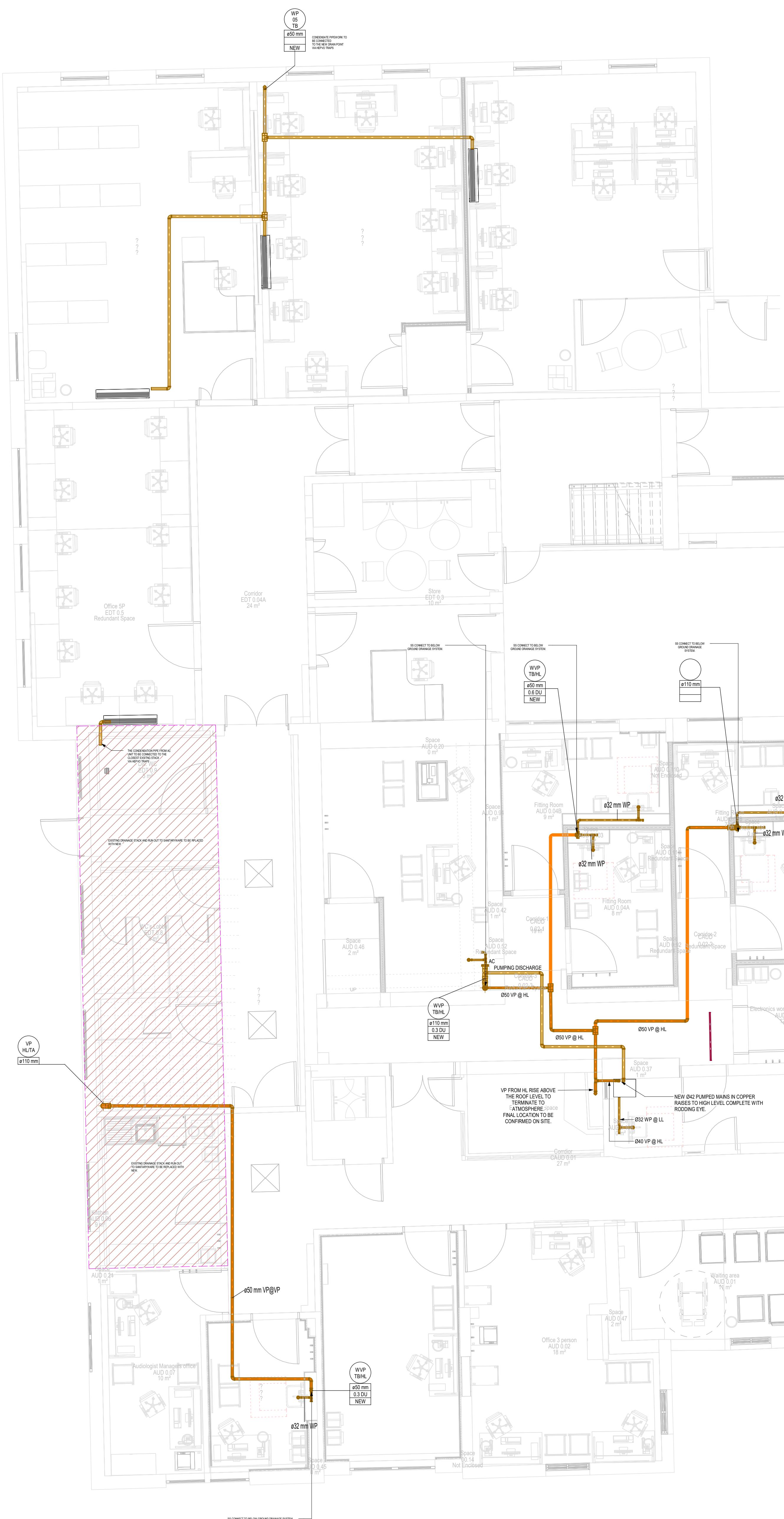
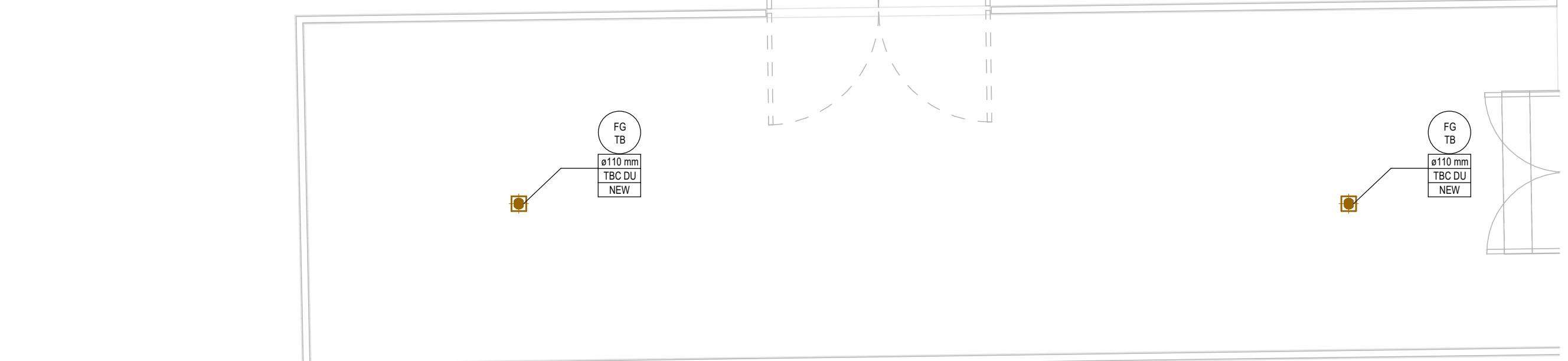
PROJECT	HILLINGDON HOSPITAL - THE FURZE							
DRAWING TITLE	PUBLIC HEALTH SERVICES GROUND FLOOR - HAEMATOLOGY ABOVE GROUND DRAINAGE							
SCALE (A1)	1:50							
DATE	AUG '21							
BY	BP							
VE	JP							
Prog D	Operator	Volume	Level	Time	Rate	Number	Number	Revision
THHFP1	CPW	ZZ	00	DR	P	40003	S4	P08
CPW Project No. 240299								
THHFP1-CPW-ZZ-00-DR-P-40003 S4 P08								
CPW Project No. 240299								
-HTF-LDW-XX-ZZ-M3-A-0001								
THHFP1-CPW-ZZ-00-DR-P-40003 S4 P08								

GENERAL NOTES:

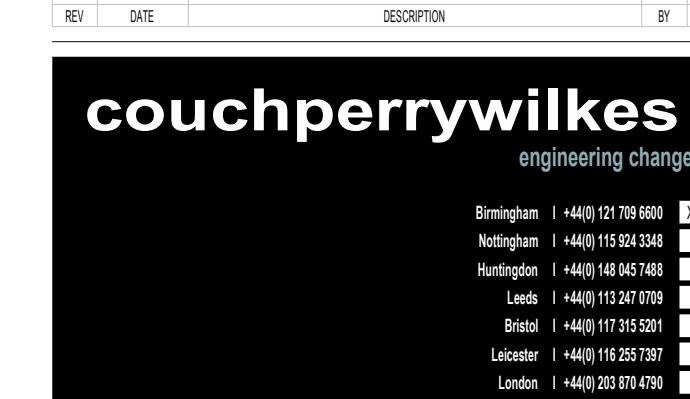
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MEP PERFORMANCE SPECIFICATION AND ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
2. ALL CONTENT WITHIN THE REVIT MODEL IS DRAWN RELATIVE TO WHAT IS DISPLAYED. CPV CANNOT BE HELD ACCOUNTABLE FOR ANY DISCREPANCIES OF PLACEMENT/POSITIONING OF SERVICES DUE TO ABSENT INFORMATION WITHIN THE LAYOUTS.
3. THIS DRAWING IS FOR TENDER PURPOSES ONLY. DETAILED INSTALLATION DRAWINGS ARE TO BE PROVIDED BY THE SUCCESSFUL SUBCONTRACTOR PRIOR TO INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATION.

LEGEND:

SVP	SOIL VENT PIPE
WVP	WASTE VENT PIPE
VP	MAIN VENT PIPE
SP	SOIL PIPE
WP	WASTE PIPE
TB	TO BELOW
TA	TO ABOVE
FB	FROM BELOW
FA	FROM ABOVE
HL	HIGH LEVEL
LL	LOW LEVEL



P01	APR 24	UPDATED TO INCORPORATE ARCHITECT COMMENTS (RECEIVED 11/04/2024)	TO	AA
P02	APR 24	FINAL STAGE 4 ISSUE	TC	AA
P03	MAY 24	PRELIMINARY TENDER ISSUE	TC	AA
P06	JULY 24	UPDATED TO INCORPORATE ARCHITECT COMMENTS	TC	AA
P07	JULY 24	UPDATED TO INCORPORATE DESIGN CHANGE	TC	AA
P04	APR 22	FOR PLANNING AMENDMENTS	TO	JP
P01	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
P02	DEC 21	CHANGES TO STAGE BLOCK REVISIONS	BP	JP
T01	SEPT 21	TENDER ISSUE	BP	JP
REV	DATE	DESCRIPTION	CC	BP
			VE	VE



STAGE 4

STATUS
SUITABLE FOR STAGE APPROVAL

CLIENT
THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT
HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE
PUBLIC HEALTH SERVICES
GROUND FLOOR - EDUCATION & AUDILOGY
ABOVE GROUND DRAINAGE

SCALE (A1) DATE BY VE
1:50 AUG'21 BP JP

Proj E1 Originator CPW ZZ Level 00 Type DR P Number 40002 Subsidiary P09 Revision

THHFP1-CPW-ZZ-00-DR-P-40002_S4_P09
CPW Project No. 240299

UNDER THIS DRAWING
•HTF-LDW-XX-ZZ-M3-A-0001

THHFP1-CH-ZZ-M3-S-0001

