

1. ALL SVP's ARE 100mmØ UNLESS NOTED OTHERWISE.

2. ALL W/VP's ARE 50mmØ UNLESS NOTED OTHERWISE.

LEGEND

AAV AIR ADMITTANCE VALVE ASP ANTI SYPHON PIPE **CLEANING EYE** 

CVA CEILING VOID ABOVE CW DC CHEMICAL WASTE DRIP CUP

DOC DRAIN OFF COCK DRAIN POINT DROP TO BELOW

**EMERGENCY SHOWER & FLOOR DRAIN** EW

EYE WASH **EACH WITH** 

E/W FUME CUPBOARD (DRIP CUP & CATCHPOT)

FLOOR DRAIN

FROM ABOVE

FROM BELOW FOUL WATER

HIGH LEVEL MID LEVEL LOW LEVEL

O/S PM OFFSET PUMPED MAIN R/E **RODDING EYE** 

RTA RED SP RISE TO ABOVE REDUCER SOIL PIPE

SVP SOIL VENT PIPE SW SURFACE WATER

TO ABOVE TO BELOW

VENT PIPE WASH HAND BASIN

**WASTE PIPE** W/VP WASTE VENT PIPE WASHING MACHINE

5 14.04.16 STAGE D ISSUE 4 20.01.16 STAGE D ISSUE 3 13.01.16 STAGE D ISSUE 2 29.01.15 STAGE E TENDER ADDENDUM ONE
1 17.12.14 STAGE E TENDER ISSUE
Rev Date Description MTL DT
MTL DW
Chk App STAGE D

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UNIVERSITY COLLEGE LONDON

KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 1 Sanitary Pipework Layout

Sheet 2 of 4

Checked: KW Designed: MTL Approved: DW 10/14/14 Scale: As indicated A1 Sheet: Drawing Number:

> L(58)-B1-02 3512445M-BBG

NOTES

1. ALL SVP'S ARE 100mmØ UNLESS NOTED OTHERWISE.

2. ALL W/VP'S ARE 50mmØ UNLESS NOTED OTHERWISE.

AAV AIR ADMITTANCE VALVE ASP ANTI SYPHON PIPE C/E CLEANING EYE

CVA CEILING VOID ABOVE
CW CHEMICAL WASTE
DC DRIP CUP
DOC DRAIN OFF COCK
DP DRAIN POINT
DTB DROP TO BELOW
ES EMERGENCY SHOWER & FLOOR DRAIN

EW EYE WASH
E/W EACH WITH
FC FUME CUPBOARD (DRIP CUP & CATCHPOT)
FD FLOOR DRAIN

FA FROM ABOVE
FB FROM BELOW
FW FOUL WATER
HL HIGH LEVEL
ML MID LEVEL

LEGEND

LL LOW LEVEL
O/S OFFSET
PM PUMPED MAIN
R/E RODDING EYE
RTA RISE TO ABOVE

RED REDUCER
SP SOIL PIPE
SVP SOIL VENT PIPE
SW SURFACE WATER
TA TO ABOVE

TA TO ABOVE
TB TO BELOW
VP VENT PIPE
WHB WASH HAND BASIN
WP WASTE PIPE
W/VP WASTE VENT PIPE
WM WASHING MACHINE

 4
 20.01.16
 STAGE D ISSUE
 MTL
 DW

 3
 13.01.16
 STAGE D ISSUE
 MTL
 DW

 2
 29.01.15
 STAGE E TENDER ADDENDUM ONE
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 Date
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**WSP** 

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KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 1
Sanitary Pipework Layout

Sheet 3 of 4

 Drawn:
 SM
 Checked:
 KW

 Designed:
 MTL
 Approved:
 DW

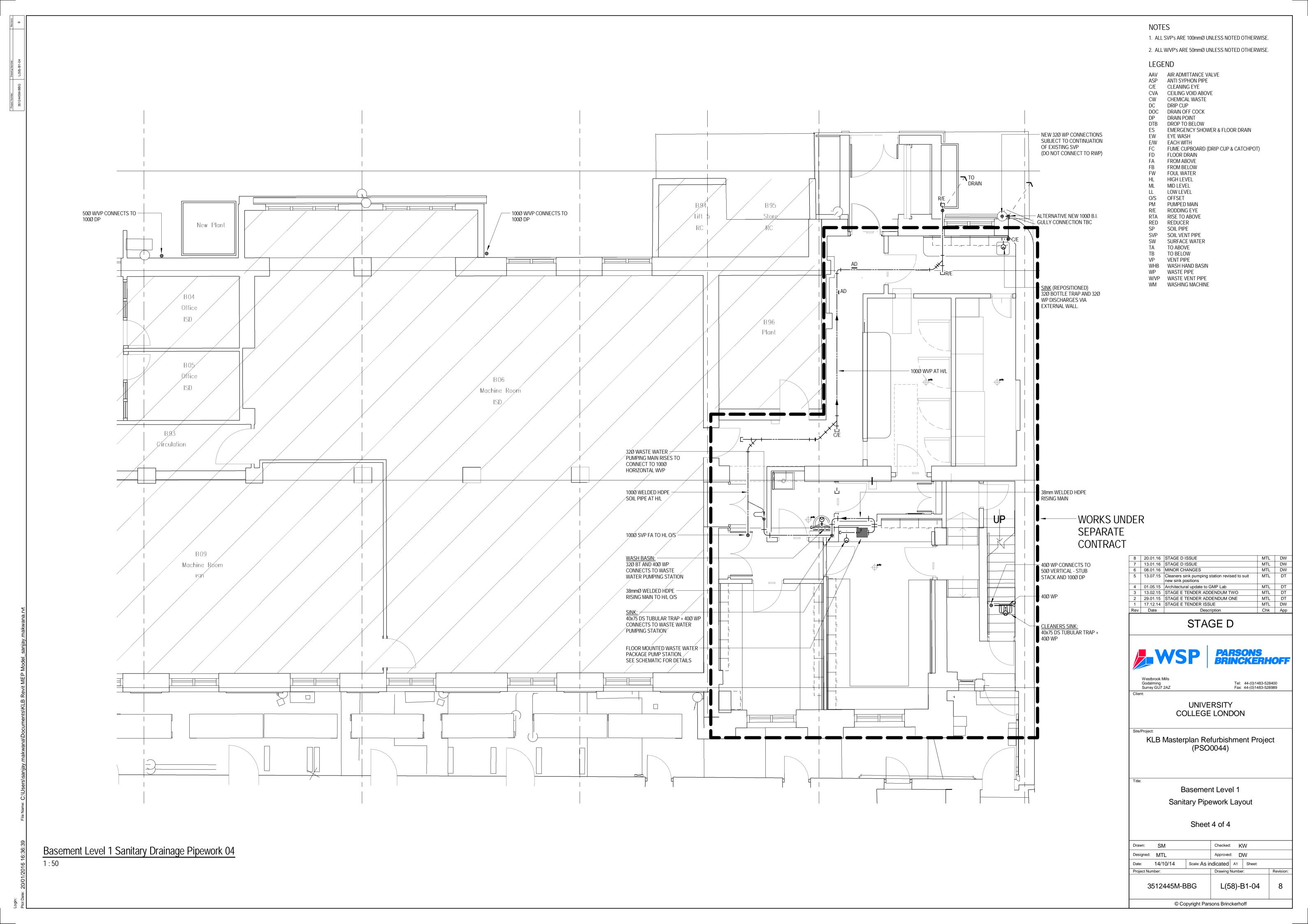
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 Revision

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 L(58)-B1-03
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Login:



MTL DT
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1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH

— — — — — — EXISTING RETAINED —— — NEW PROPOSED WATER SERVICES NEW PROPOSED WATER SERVICES

CAT 5 FLUID CATEGORY 5 (WATER REGULATIONS) LHWSF LABORATORY HOT WATER SERVICE (FLOW) LHWSR LABORATORY HOT WATER SERVICE (RETURN)

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1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SCHEMATIC DRAWINGS No.s D(58)00-01 AND D(58)00-02.

## LEGEND

A ANCHOR AAV AUTOMATIC AIR VENT AVV ANTI VACUMM VALVE BCWS BOOSTED COLD WATER SERVICE C5 CATEGORY 5 LAB HOT AND COLD WATER CV CHECK VALVE CVA CEILING VOID ABOVE DOC DRAIN OFF COCK DTB DROP TO BELOW DW DEIONISED WATER DW/M DISHWASHER ES EMERGENCY SHOWER EV EXPANSION VESSEL EW EYE WASH FA FROM ABOVE FB FROM BELOW FCupd FUME CUPBOARD FC FLEXIBLE COUPLING FV FLOAT VALVE HA HYDRAULIC ACCUMULATOR HL HIGH LEVEL HUBT HOSE UNION BIB TAP HWH HOT WATER HEATER ISOLATING VALVE LOW LEVEL METER MWS MAINS WATER SERVICE NRV NON RETURN VALVE POU POINT OF USE PRV PRESSURE REDUCING VALVE SAV SAFETY VALVE SCREEN FILTER SgV SERVICING VALVE STRAINER TUNDISH TA TO ABOVE TO BELOW TMV THERMOSTATIC BLENDING VALVE T&PRV TEMPERATURE/PRESSURE RELIEF VALVE WM WASHING MACHINE W/PUR WATER PURIFIER A ANCHOR POINT

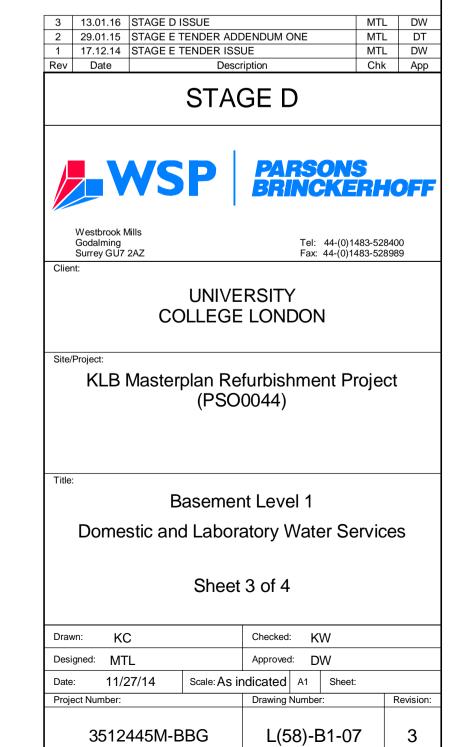
#### PIPEWORK LEGEND

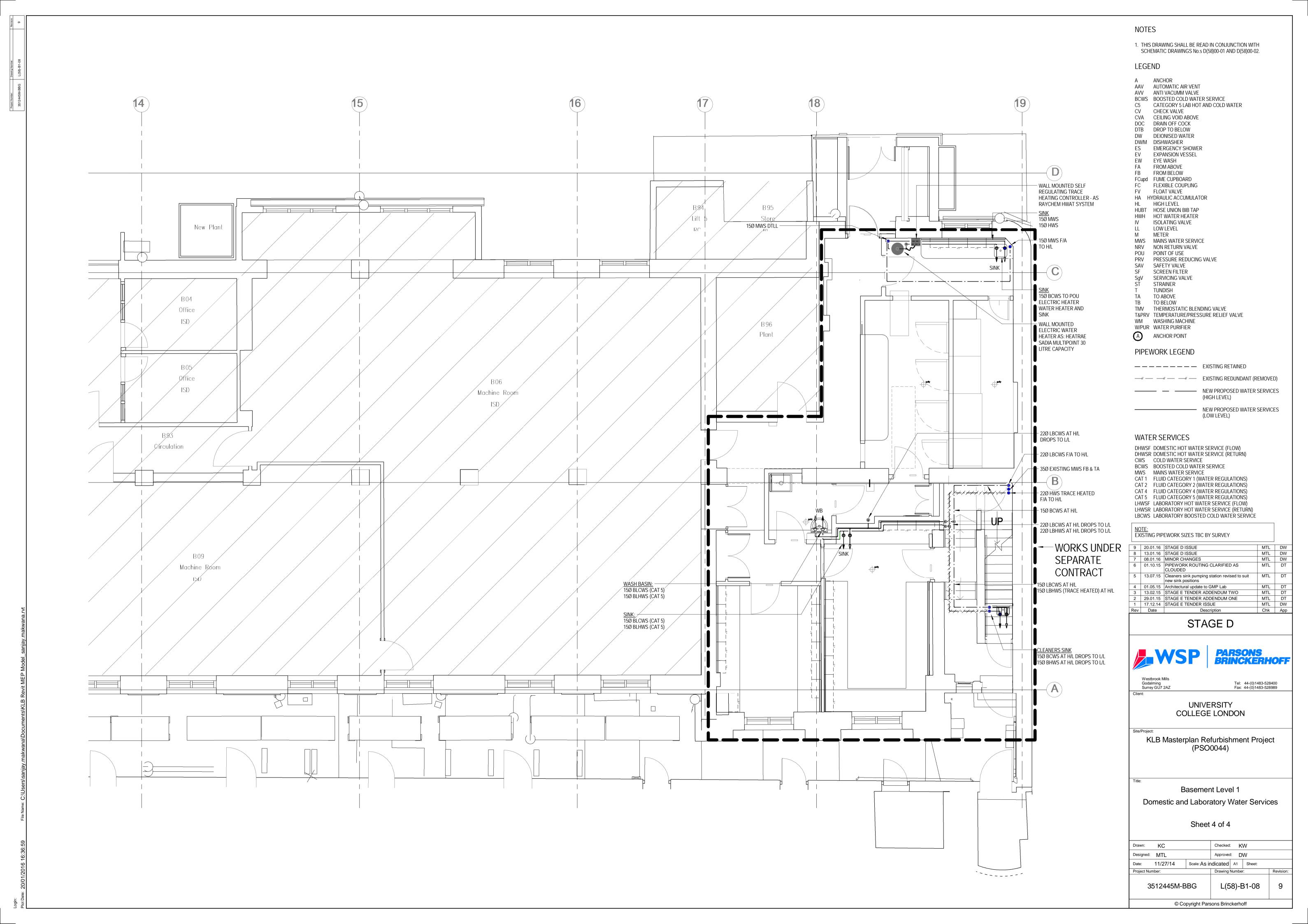
## WATER SERVICES

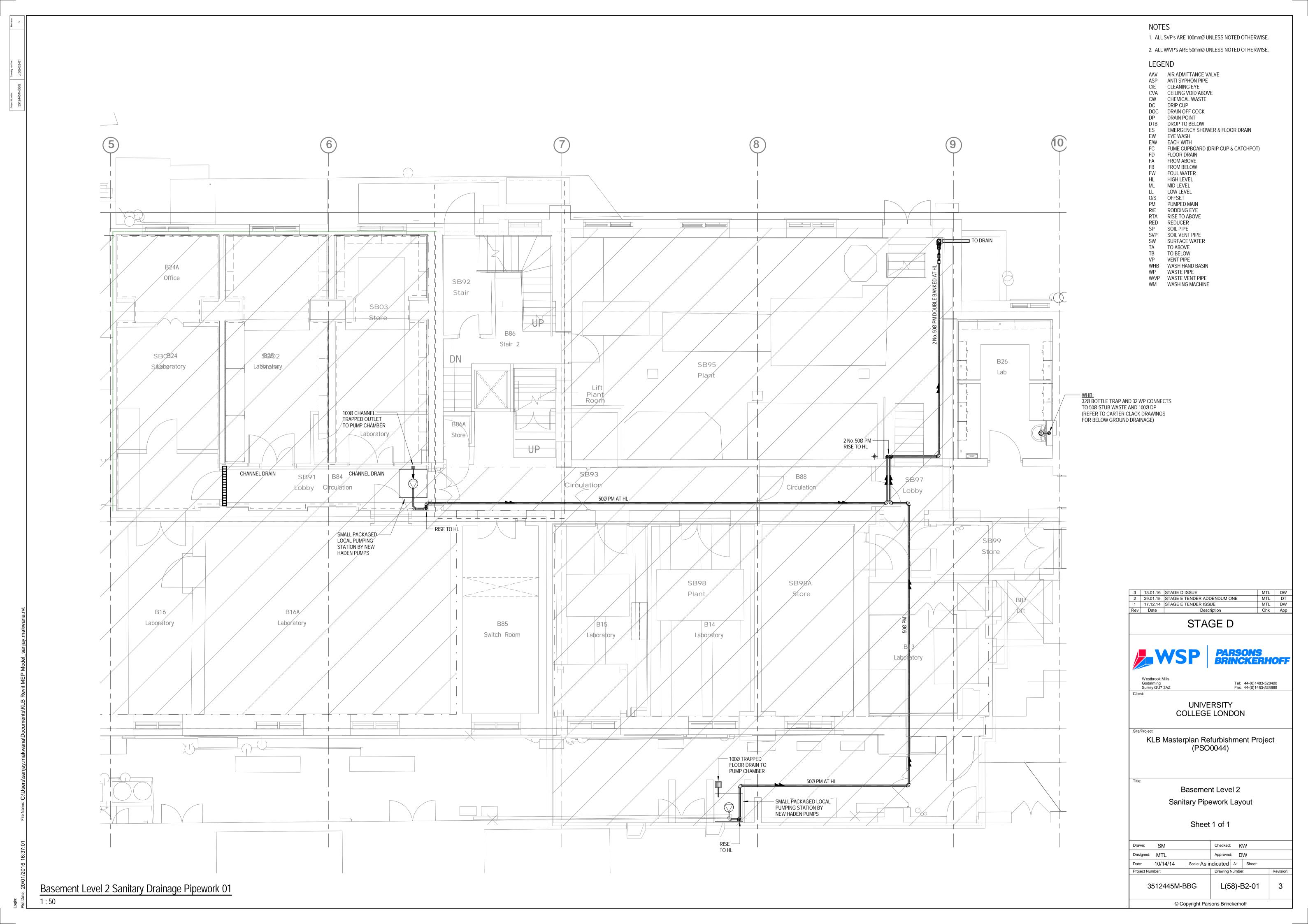
DHWSF DOMESTIC HOT WATER SERVICE (FLOW)
DHWSR DOMESTIC HOT WATER SERVICE (RETURN)
CWS COLD WATER SERVICE
BCWS BOOSTED COLD WATER SERVICE
MWS MAINS WATER SERVICE
CAT 1 FLUID CATEGORY 1 (WATER REGULATIONS)
CAT 2 FLUID CATEGORY 2 (WATER REGULATIONS)
CAT 4 FLUID CATEGORY 4 (WATER REGULATIONS)
CAT 5 FLUID CATEGORY 5 (WATER REGULATIONS)

LHWSF LABORATORY HOT WATER SERVICE (FLOW)
LHWSR LABORATORY HOT WATER SERVICE (RETURN)
LBCWS LABORATORY BOOSTED COLD WATER SERVICE

NOTE: EXISTING PIPEWORK SIZES TBC BY SURVEY







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# LEGEND

A ANCHOR AAV AUTOMATIC AIR VENT AVV ANTI VACUMM VALVE BCWS BOOSTED COLD WATER SERVICE C5 CATEGORY 5 LAB HOT AND COLD WATER CV CHECK VALVE CVA CEILING VOID ABOVE DOC DRAIN OFF COCK DTB DROP TO BELOW DW DEIONISED WATER DW/M DISHWASHER ES EMERGENCY SHOWER EV EXPANSION VESSEL EW EYE WASH FA FROM ABOVE FB FROM BELOW FCupd FUME CUPBOARD FC FLEXIBLE COUPLING FV FLOAT VALVE HA HYDRAULIC ACCUMULATOR HL HIGH LEVEL HUBT HOSE UNION BIB TAP HWH HOT WATER HEATER IV ISOLATING VALVE LOW LEVEL METER MWS MAINS WATER SERVICE NRV NON RETURN VALVE POU POINT OF USE PRV PRESSURE REDUCING VALVE SAV SAFETY VALVE SCREEN FILTER SERVICING VALVE STRAINER TUNDISH TO ABOVE TO BELOW TB TMV THERMOSTATIC BLENDING VALVE T&PRV TEMPERATURE/PRESSURE RELIEF VALVE WM WASHING MACHINE W/PUR WATER PURIFIER A ANCHOR POINT PIPEWORK LEGEND

— — — — — EXISTING RETAINED —// — —// — EXISTING REDUNDANT (REMOVED) — NEW PROPOSED WATER SERVICES (HIGH LEVEL) NEW PROPOSED WATER SERVICES (LOW LEVEL)

#### WATER SERVICES

DHWSF DOMESTIC HOT WATER SERVICE (FLOW) DHWSR DOMESTIC HOT WATER SERVICE (RETURN) CWS COLD WATER SERVICE BCWS BOOSTED COLD WATER SERVICE MWS MAINS WATER SERVICE CAT 1 FLUID CATEGORY 1 (WATER REGULATIONS) CAT 2 FLUID CATEGORY 2 (WATER REGULATIONS) CAT 4 FLUID CATEGORY 4 (WATER REGULATIONS) CAT 5 FLUID CATEGORY 5 (WATER REGULATIONS) LHWSF LABORATORY HOT WATER SERVICE (FLOW) LHWSR LABORATORY HOT WATER SERVICE (RETURN)

LBCWS LABORATORY BOOSTED COLD WATER SERVICE

NOTE: EXISTING PIPEWORK SIZES TBC BY SURVEY

3 13.01.16 STAGE D ISSUE 2 29.01.15 STAGE E TENDER ADDENDUM ONE 1 17.12.14 STAGE E TENDER ISSUE MTL DT Rev Date Chk App STAGE D

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KLB Masterplan Refurbishment Project (PSO0044)

Basement Level 2

Domestic and Laboratory Water Services

Sheet 1 of 1

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LEGEND

AAV AIR ADMITTANCE VALVE ASP ANTI SYPHON PIPE C/E CLEANING EYE

CVA CEILING VOID ABOVE CW CHEMICAL WASTE
DC DRIP CUP
DOC DRAIN OFF COCK

DRAIN POINT DTB DROP TO BELOW

ES EMERGENCY SHOWER & FLOOR DRAIN EW EYE WASH

E/W EACH WITH

FUME CUPBOARD (DRIP CUP & CATCHPOT)

FLOOR DRAIN

FROM ABOVE FROM BELOW

**FOUL WATER** 

HIGH LEVEL MID LEVEL LOW LEVEL

OFFSET

PM PUMPED MAIN
R/E RODDING EYE
RTA RISE TO ABOVE

RED REDUCER SOIL PIPE

SVP SOIL VENT PIPE SW SURFACE WATER

TA TO ABOVE TB TO BELOW

VENT PIPE WHB WASH HAND BASIN

WP WASTE PIPE W/VP WASTE VENT PIPE WM WASHING MACHINE

MTL DW
MTL DT
KW DT
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1 17.12.14 STAGE E TENDER ISSUE
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KLB Masterplan Refurbishment Project (PSO0044)

Roof Level Sanitary Pipework Layout

Sheet 2 of 4

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AAV AIR ADMITTANCE VALVE
ASP ANTI SYPHON PIPE
C/E CLEANING EYE
CVA CEILING VOID ABOVE
CW CHEMICAL WASTE

DP DRAIN POINT DTB DROP TO BELOW ES EMERGENCY SHOWER & FLOOR DRAIN

EW EYE WASH E/W EACH WITH

FC FUME CUPBOARD (DRIP CUP & CATCHPOT) FLOOR DRAIN FA FROM ABOVE

HIGH LEVEL MID LEVEL LOW LEVEL O/S OFFSET

PM PUMPED MAIN R/E RODDING EYE RTA RISE TO ABOVE
RED REDUCER
SP SOIL PIPE

SVP SOIL VENT PIPE SW SURFACE WATER TA TO ABOVE TB TO BELOW VENT PIPE

MTL DW
MTL DT
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Chk App 3 | 13.01.16 | STAGE D ISSUE 2 29.01.15 STAGE E TENDER ADDENDUM ONE
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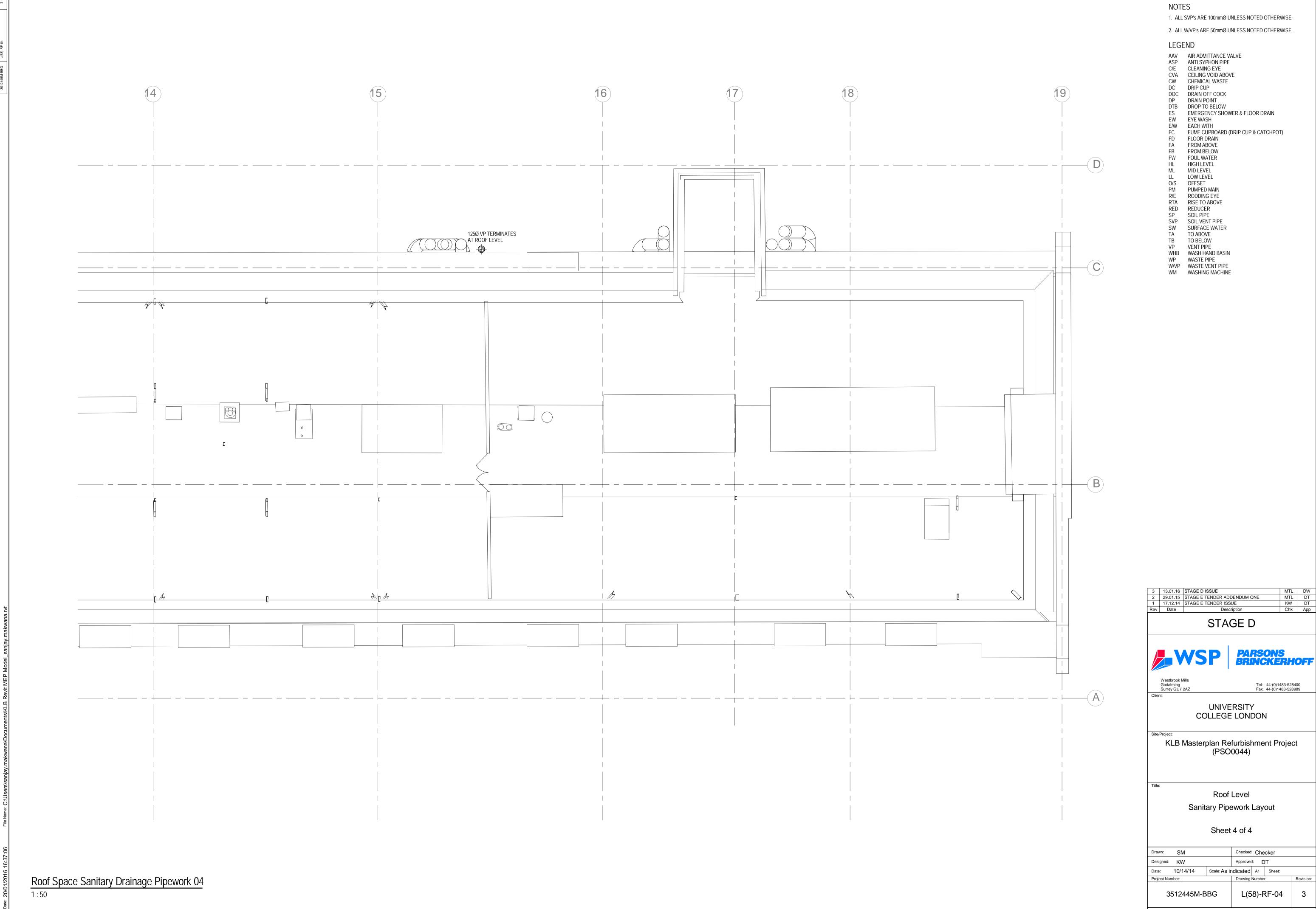
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KLB Masterplan Refurbishment Project (PSO0044)

Roof Level Sanitary Pipework Layout

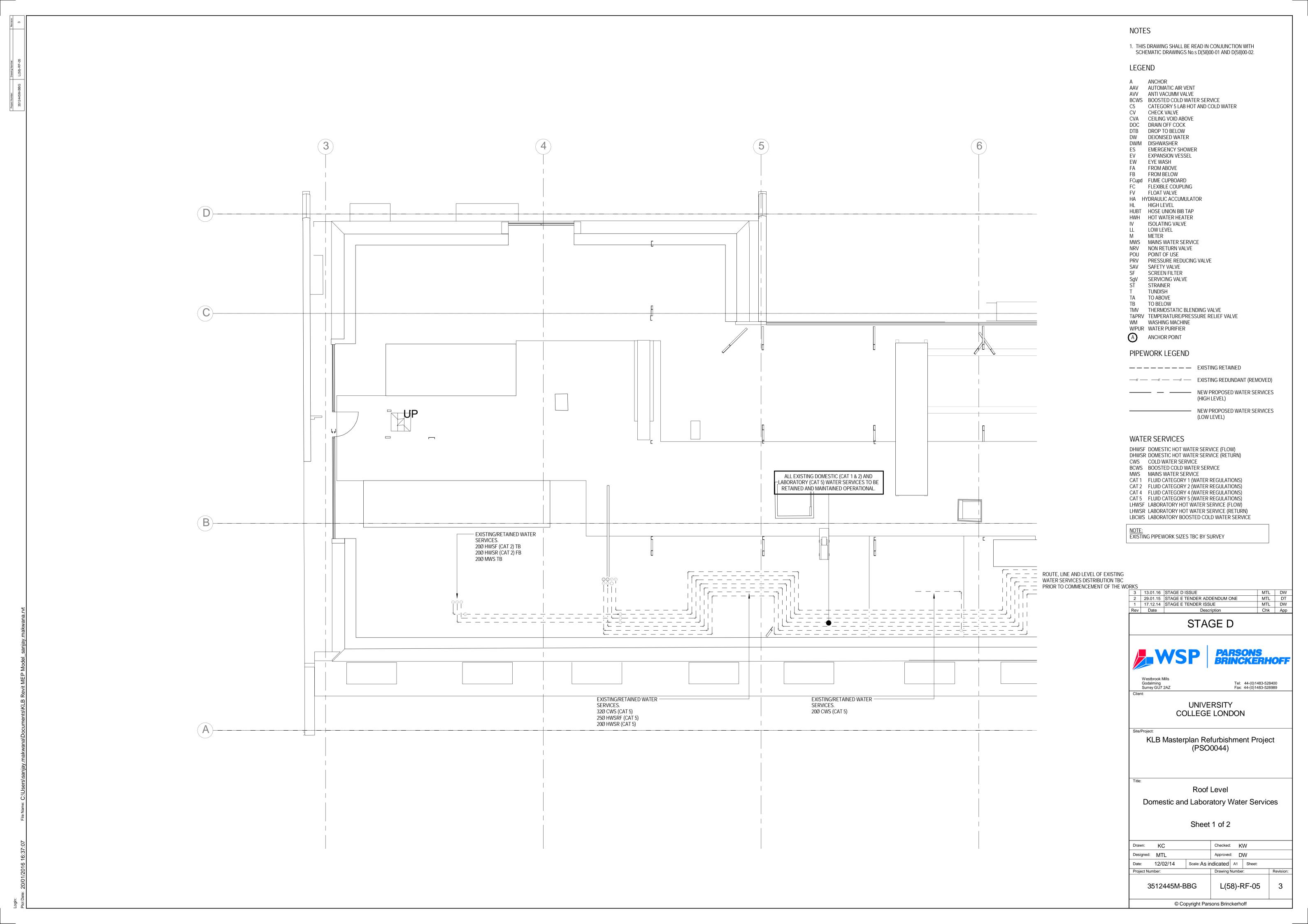
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gin: ot Date: 20/01/2016



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