

KEY

- VT HEATING PIPEWORK AT LOW LEVEL
- VT HEATING PIPEWORK CONCEALED
- MCW PIPEWORK AT LOW LEVEL
- MCW PIPEWORK CONCEALED
- DHW PIPEWORK AT LOW LEVEL
- DHW PIPEWORK CONCEALED
- NATURAL GAS PIPEWORK AT LOW LEVEL
- NATURAL GAS PIPEWORK CONCEALED
- NATURAL GAS PIPEWORK BELOW GROUND

NOTES

1. HOT AND COLD WATER SYSTEM TO BE INSTALLED TO AVOID THE RISK OF MICROBIAL CONTAMINATION IN ACCORDANCE WITH GUIDANCE FROM HSE ACOP AND CEISE TM13.
2. MAKE DUE ALLOWANCE FOR PIPEWORK MOVEMENT FROM EXPANSION/CONTRACTION AND TO LIMIT ANY NOISE.
3. ALL HOT AND COLD WATER SERVICES INSTALLATION PIPEWORK WHERE VISIBLE SHALL BE INSTALLED USING COPPER TUBES TO BS EN 1087 R250 WITH CAPILLARY SOLDERED FITTINGS.
4. INSULATE ALL COLD AND HOT WATER SERVICES PIPEWORK IN FLOOR VOIDS, CEILING VOIDS, CASINGS AND CURBBOARDS.
5. FIT DRAIN VALVES AT ALL LOW POINTS IN THE SYSTEM AND AAVS AT HIGH POINTS.
6. ALL SERVICES IN FLOOR VOIDS, CEILING VOIDS, CASINGS, DUCTS ETC MUST BE INSTALLED IN ACCORDANCE WITH CURRENT REGULATIONS.
7. INSULATION ON PIPEWORK TO HAVE A GWP LESS THAN 5.
8. ALL HEATING PIPEWORK AND BOILERS SHALL BE INSTALLED, TESTED, FLUSHED THROUGH AND COMMISSIONED IN ACCORDANCE WITH BS 6700. HEATING SYSTEM SHALL BE THOROUGHLY FLUSHED WITH CLEAN WATER AND REFILLED USING SENTINEL X100 FLUID IN ACCORDANCE WITH SENTINAL DATA SHEETS AND BOILER MANUFACTURERS RECOMMENDATIONS.
9. ALL RADIATORS ARE TO BE FITTED WITH THERMOSTATIC RADIATOR VALVES AND MATCHING LSV.

THERMOSTATIC MIXING VALVE SCHEDULE

SANITARY APPLIANCE	UNIT DETAILS
WHB	HORNE 15T/MV WITH INTEGRAL CHECK VALVES AND STRAINERS. COMPLETE WITH WALL MOUNTING KIT AND WHITE PLASTIC COVER.

Mark	Revision	Date	Chkd
C1	PIPEWORK AMENDED	IC 03/03/17	DD
C	ARCHITECTURAL LAYOUT UPDATED	IC 20/02/17	DD

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Drawing Issue Status

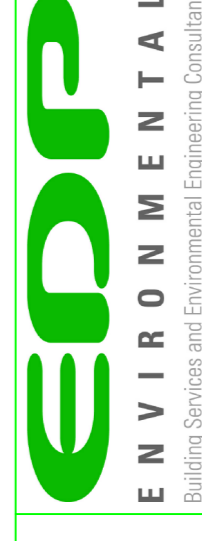
CONTRACT

Project
13 PRINCE ALBERT ROAD

Drawing Title

**BASEMENT LEVEL
HEATING HOT & COLD WATER
SERVICES LAYOUT**

CLIENT
**MRS SHARON
WATERMAN**



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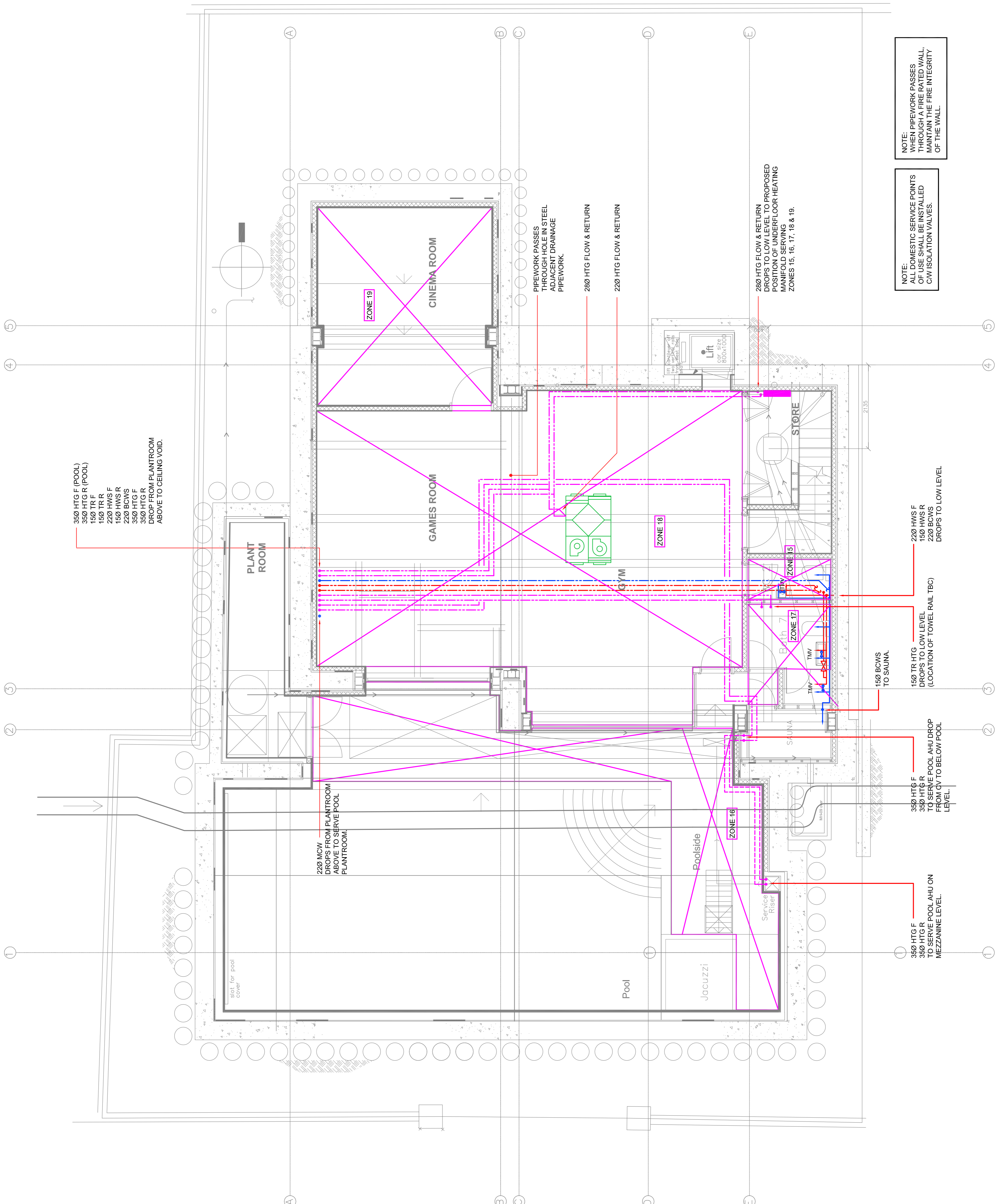
Date of 1st Issue
24.04.2012

Drawn by
SO

Checked by
M/M

At Scale
1:50

Drawing Number
2003/IM/001/C1



NOTE:
WHEN PIPEWORK PASSES THROUGH A FIRE RATED WALL, MAINTAIN THE FIRE INTEGRITY OF THE WALL.

NOTE:
ALL DOMESTIC SERVICE POINTS OF USE SHALL BE INSTALLED C/W ISOLATION VALVES.

350 HTG F (POOL)
350 HTG R (POOL)
150 TR F
150 TR R
220 HWS F
150 HWS R
220 BCWS
350 HTG F
350 HTG R
DROP FROM PLANTROOM ABOVE TO CEILING VOID.

220 MCW
DROPS FROM PLANTROOM ABOVE TO SERVE POOL PLANTROOM.

PIPEWORK PASSES THROUGH HOLE IN STEEL ADJACENT DRAINAGE PIPEWORK.

280 HTG FLOW & RETURN

220 HTG FLOW & RETURN

280 HTG FLOW & RETURN
DROPS TO LOW LEVEL TO PROPOSED LIFT ON LOWER FLOOR HEATING MANIFOLD SERVED BY ZONES 15, 16, 17, 18 & 19.

1500 BCWS TO SAUNA.
1500 TR HTG DROPS TO LOW LEVEL (LOCATION OF TOWEL RAIL TBC)

220 HWS F
150 HWS R
220 BCWS
DROPS TO LOW LEVEL.

350 HTG F
350 HTG R
TO SERVE POOL AHU DROP FROM CV TO BELOW POOL LEVEL.

350 HTG F
350 HTG R
TO SERVE POOL AHU ON MEZZANINE LEVEL.

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- NATURAL GAS PIPEWORK AT LOW LEVEL
- NATURAL GAS PIPEWORK CONCEALED
- NATURAL GAS PIPEWORK BELOW GROUND

NOTES

1. HOT AND COLD WATER SYSTEM TO BE INSTALLED TO AVOID THE RISK OF MICROBIAL CONTAMINATION IN ACCORDANCE WITH GUIDANCE FROM HSE ACOP AND CIBSE TM13.
2. MAKE DUE ALLOWANCE FOR PIPEWORK MOVEMENT FROM EXPANSION/CONTRACTION AND TO LIMIT ANY NOISE.
3. ALL HOT AND COLD WATER SERVICES INSTALLATION PIPEWORK WHERE VISIBLE SHALL BE INSTALLED USING COPPER TUBES TO BS EN 1087 R250 WITH CAPILLARY SOLDERED FITTINGS.
4. INSULATE ALL COLD AND HOT WATER SERVICES PIPEWORK IN FLOOR VOIDS, CEILING VOIDS, CASINGS AND CUPBOARDS.
5. FIT DRAIN VALVES AT ALL LOW POINTS IN THE SYSTEM AND AAVS AT HIGH POINTS.
6. ALL SERVICES IN FLOOR VOIDS, CEILING VOIDS, CASINGS, DUCTS ETC MUST BE INSTALLED IN ACCORDANCE WITH CURRENT REGULATIONS.
7. INSULATION ON PIPEWORK TO HAVE A GWP LESS THAN 5.
8. ALL HEATING PIPEWORK AND BOILERS SHALL BE INSTALLED, TESTED, FLUSHED THROUGH AND COMMISSIONED IN ACCORDANCE WITH BS 6700. HEATING SYSTEM SHALL BE THOROUGHLY FLUSHED WITH CLEAN WATER AND REFILLED USING SENTINEL X100 FLUID IN ACCORDANCE WITH SENTINAL DATA SHEETS AND BOILER MANUFACTURERS RECOMMENDATIONS.
9. ALL RADIATORS ARE TO BE FITTED WITH THERMOSTATIC RADIATOR VALVES AND MATCHING LSV.

C1	KITCHEN/UTILITY SERVICES ADDED	IC	03/03/17	DD
C	UPDATED ARCHITECTURAL LAYOUT	IC	20/02/17	DD

Mark	Revision	Drawn	Date	Chkd
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Drawing Issue Status

CONTRACT

Project
13 PRINCE ALBERT ROAD

Drawing Title

**LOWER GROUND LEVEL
 HEATING, HOT & COLD WATER
 SERVICES LAYOUT**

CLIENT
**MRS SHARON
 WATERMAN**

Date of 1st Issue
 24.04.2012

Drawn by
 SO

Designed by
 SO

Checked by
 M/M

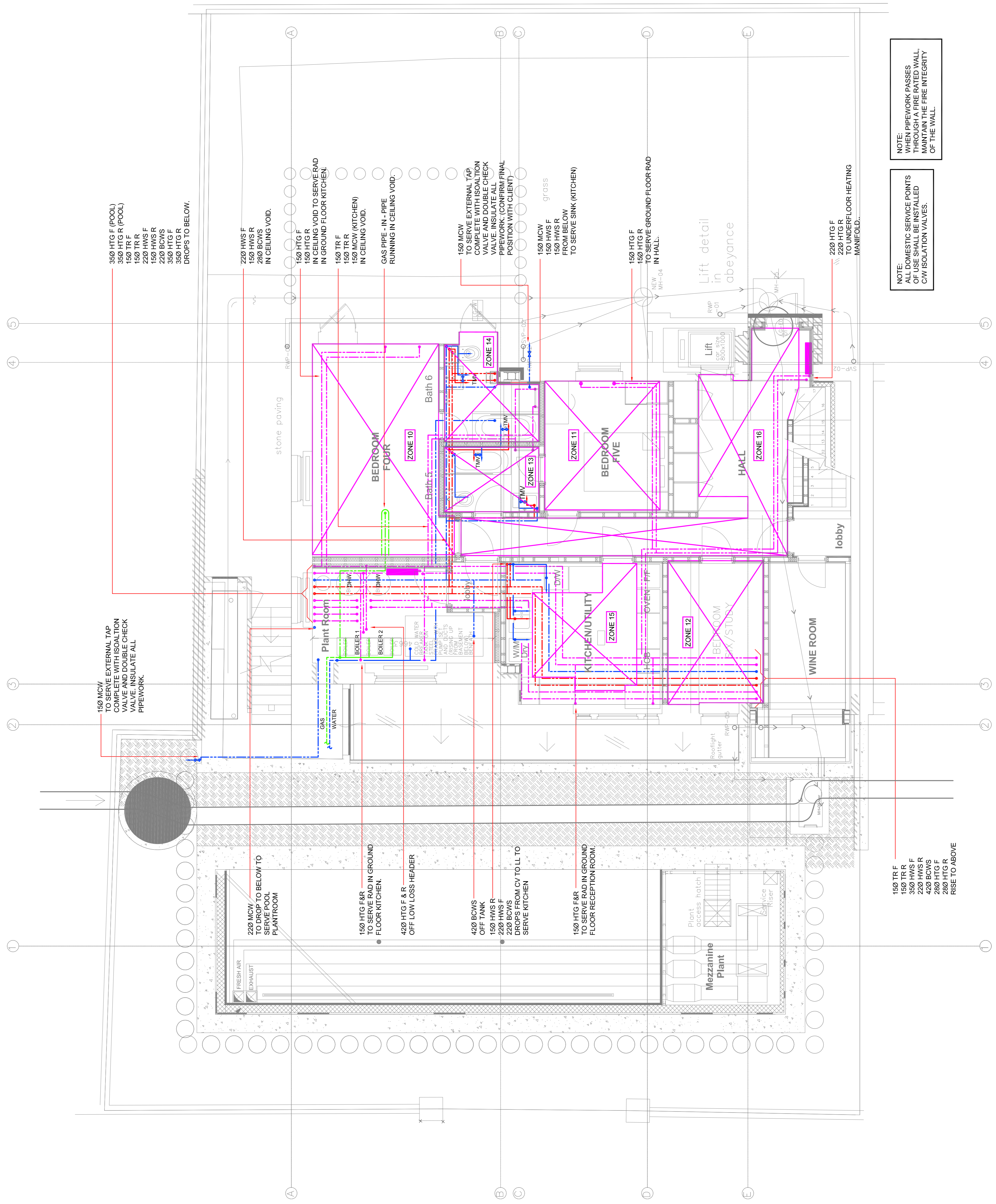
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NOTE:
 ALL DOMESTIC SERVICE POINTS OF USE SHALL BE INSTALLED C/W ISOLATION VALVES.

NOTE:
 WHEN PIPEWORK PASSES THROUGH A FIRE RATED WALL, MAINTAIN THE FIRE INTEGRITY OF THE WALL.



150 TR F
 150 TR R
 350 HWS F
 220 HWS R
 420 BCWS
 220 HTG F
 220 HTG R
 RISE TO ABOVE

KEY

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- NATURAL GAS PIPEWORK AT LOW LEVEL
- NATURAL GAS PIPEWORK CONCEALED
- NATURAL GAS PIPEWORK BELOW GROUND
- SS
- AAV
- STUB STACK
- AIR ADMITTANCE VALVE (DURGO)

NOTES

1. HOT AND COLD WATER SYSTEM TO BE INSTALLED TO AVOID THE RISK OF MICROBIAL CONTAMINATION IN ACCORDANCE WITH GUIDANCE FROM HSE ACOF AND CIBSE TM13.
2. MAKE DUE ALLOWANCE FOR PIPEWORK MOVEMENT FROM EXPANSION/CONTRACTION AND TO LIMIT ANY NOISE.
3. ALL HOT AND COLD WATER SERVICES INSTALLATION PIPEWORK WHERE APPROPRIATE SHALL BE INSTALLED USING COPPER TUBES TO BS EN 1087 R260 WITH CAPILLARY SOLDERED FITTINGS.
4. INSULATE ALL COLD AND HOT WATER SERVICES PIPEWORK IN FLOOR VOIDS, CEILING VOIDS, CASINGS AND CUPBOARDS.
5. FIT DRAIN VALVES AT ALL LOW POINTS IN THE SYSTEM AND AAVS AT HIGH POINTS.
6. ALL SERVICES IN FLOOR VOIDS, CEILING VOIDS, CASINGS, DUCTS ETC AND IN PLANT ROOMS SHALL BE INSULATED IN ACCORDANCE WITH CURRENT REGULATIONS.
7. INSULATION ON PIPEWORK TO HAVE A GWP LESS THAN 5.
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9. RADIATORS ARE TO BE FITTED WITH THERMOSTATIC RADIATOR VALVES AND MATCHING LSV.

C1	KITCHEN LAYOUT UPDATED	SO	03/03/17	DD
C	CONTRACT ISSUE	IC	20/02/17	DD

Mark	Revision	Drawn	Date	Chkd

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Drawing Issue Status

Project

13 PRINCE ALBERT ROAD

CONTRACT

Drawing Title

LOWER GROUND LEVEL DRAINAGE LAYOUT

Client

MRS SHARON WATERMAN

Date of 1st Issue

20/02/17

Drawn by

SO

Designed by

SO

Checked by

M/M

Drawing Number

2003/IM/201/C1

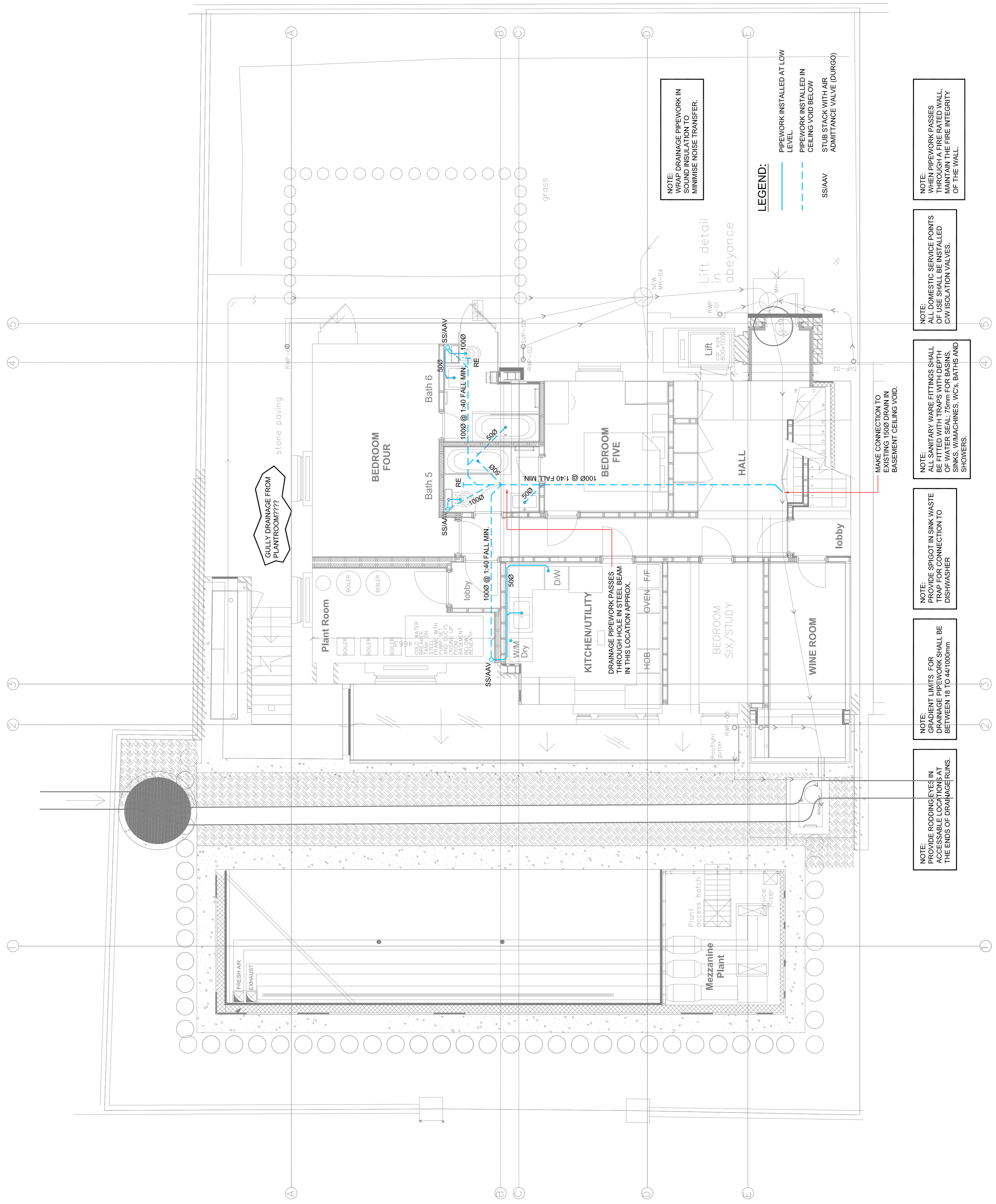
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NOTE: WRAP DRAINAGE PIPEWORK IN SOUND INSULATION TO MINIMISE NOISE TRANSFER.

LEGEND:
 — PIPEWORK INSTALLED AT LOW LEVEL
 - - - PIPEWORK INSTALLED IN CEILING VOID BELOW
 SS/AAV
 STUB STACK WITH AIR ADMITTANCE VALVE (DURGO)

NOTE: WHEN PIPEWORK PASSES THROUGH A FIRE RATED WALL, MAINTAIN THE FIRE INTEGRITY OF THE WALL.

NOTE: ALL DOMESTIC SERVICE POINTS OF USE SHALL BE INSTALLED C/W ISOLATION VALVES.

NOTE: ALL SANITARY WARE FITTINGS SHALL BE FITTED WITH TRAPS WITH DEPTH OF WATER SEAL: 75mm FOR BASINS, SINKS, W/MACHINES, W.C.'s, BATHS AND SHOWERS.

NOTE: PROVIDE SPIGOT IN SINK WASTE TRAP FOR CONNECTION TO DISHWASHER

NOTE: GRADIENT LIMITS FOR DRAINAGE PIPEWORK SHALL BE BETWEEN 18 TO 44/1000mm

NOTE: PROVIDE RODDING EYES IN ACCESSIBLE LOCATIONS AT THE ENDS OF DRAINAGE RUNS.

GULLY DRAINAGE FROM PLANT ROOM????

DRAINAGE PIPEWORK PASSES THROUGH HOLE IN STEEL BEAM IN THIS LOCATION APPROX.

MAKE CONNECTION TO EXISTING 1500 DRAIN IN BASEMENT CEILING VOID.

Lift detail in abeyance

stone paving

grass

NEW MH-04

RWP-01

RWP-02

RWP-03

RWP-04

RWP-05

RWP-06

RWP-07

RWP-08

RWP-09

RWP-10

RWP-11

RWP-12

RWP-13

RWP-14

RWP-15

RWP-16

RWP-17

RWP-18

RWP-19

RWP-20

RWP-21

RWP-22

RWP-23

RWP-24

RWP-25

RWP-26

RWP-27

RWP-28

RWP-29

RWP-30

RWP-31

RWP-32

RWP-33

RWP-34

RWP-35

RWP-36

RWP-37

RWP-38

RWP-39

RWP-40

RWP-41

RWP-42

RWP-43

RWP-44

RWP-45

RWP-46

RWP-47

RWP-48

RWP-49

RWP-50