

DATE	REV	AMENDMENT	BY	CHKD
30.05.2011	01	PRELIMINARY S75w APPLICATION CTP	SMD	JCD
09.09.2011	02	REVISED LAYOUT	LJC	JCD
23.01.2012	03	REVISED S75W APPLICATION	AXK	JCD

CENTRAL PARK

CENTRAL THERMAL PLANT

FRASERS BROADWAY, SYDNEY

PREPARED BY



DRAWING LIST

WSP-CTP-M-XX-0-00	SERVICES - TITLE PAGE, DRAWING INDEX AND LEGEND
WSP-CTP-M-GF-2-00	SERVICES - GROUND FLOOR SERVICES PLANT LAYOUT - NOT ISSUED
WSP-CTP-M-B0-2-00	SERVICES - BASEMENT 0 SERVICES PLANT LAYOUT
WSP-CTP-M-B1-2-00	SERVICES - BASEMENT 1 SERVICES PLANT LAYOUT
WSP-CTP-M-B2-2-00	SERVICES - BASEMENT 2 SERVICES PLANT LAYOUT
WSP-CTP-M-XX-3-04	SERVICES - WATER SCHEMATIC (1 OF 2)
WSP-CTP-M-XX-3-05	SERVICES - WATER SCHEMATIC (2 OF 2)

LEGEND OF SYMBOLS

	EQUIPMENT MAINTENANCE CLEARANCE AREA
	IN-LINE PUMP C/W PLINTH
	MECHANICAL SERVICES SWITCHBOARD
	SERVICES EQUIPMENT (REFER TO TAG) C/W PLINTH
	SCREW/CENTRIFUGAL CHILLER
	DIESEL ENGINE

NOMENCLATURE

CWP	CHILLED WATER PUMP
PCHWP	PRIMARY CHILLED WATER PUMP
PHWP	PRIMARY HEATING HOT WATER PUMP
SCHWP	SECONDARY CHILLED WATER PUMP
SHWP	SECONDARY HEATING HOT WAER PUMP
HX	HEAT EXCHANGER
HWB	HOT WATER BOILER
CH	CHILLER
TX	ELECTRICAL TRANSFORMERS
HV	HIGH VOLTAGE BOARD
LV	LOW VOLTAGE BOARD

REFERENCE COORDINATION DRAWINGS			
DESCRIPTION	DRAWING NO.	REV	CHKD

Level 1, 41 McLaren Street
PO Box 6245 North Sydney
New South Wales 2060 Australia

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PROJECT
FRASERS BROADWAY
CENTRAL THERMAL PLANT
BASE BUILD

CLIENT
FRASERS BROADWAY

DATE	APRIL 2011	DRAWN	SMD
SCALE	NTS	CHECKED	SMD
SHEET SIZE	A1	APPROVED	JCD
CAD FILE	P:\SYD080740L\1\WSP-CTP-M-XX-0-00.dwg		

TITLE
SERVICES
TITLE PAGE, DRAWING INDEX AND LEGEND

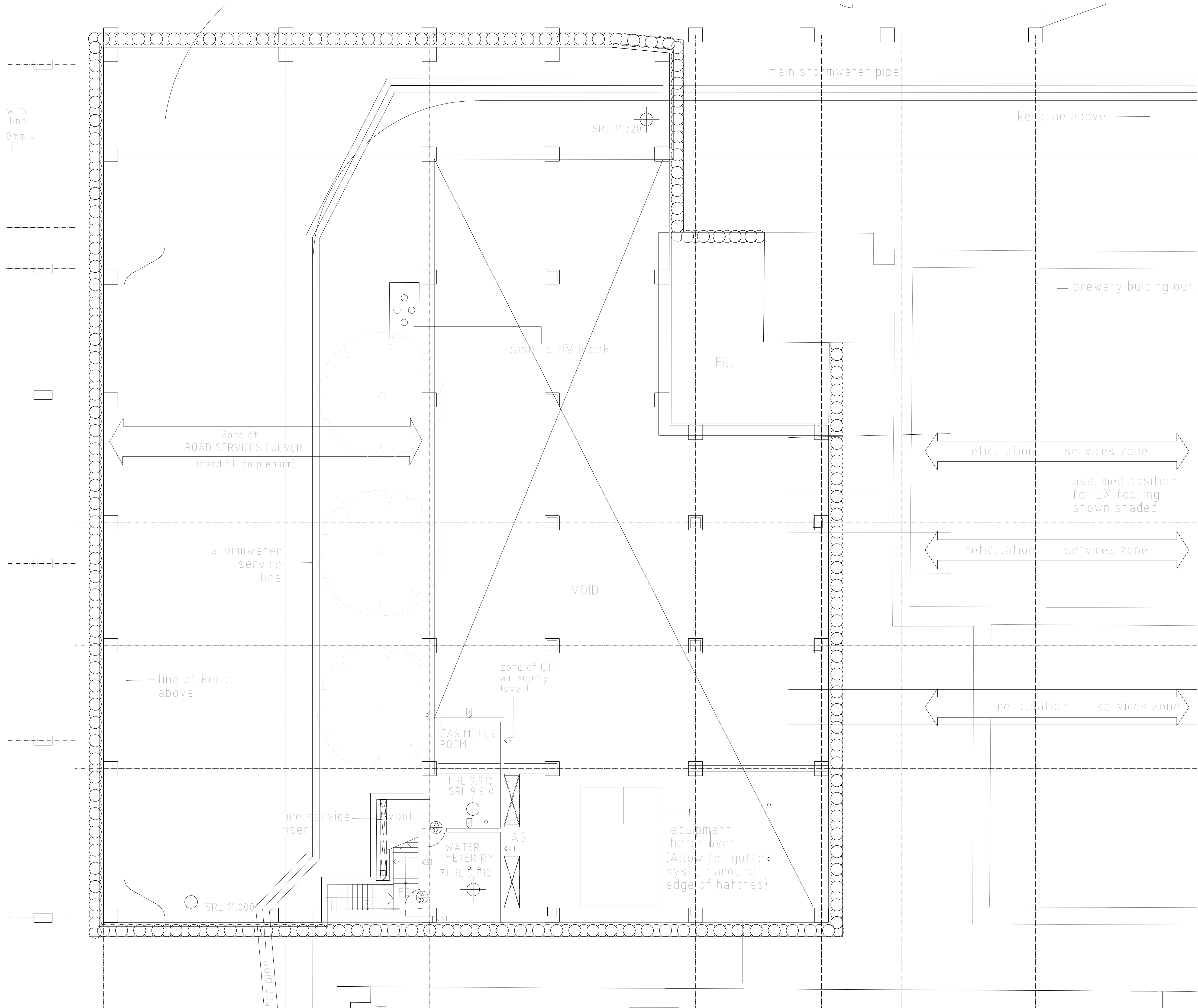
PROJECT NO.
SYD 080740L

DRAWING NO.
WSP-CTP-M-XX-0-00

REVISION
03

PRELIMINARY

DATE	REV	AMENDMENT	BY	CHKD
27.05.11	01	PRELIMINARY s75w APPLICATION CTP	SMD	JCD
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05.05.11	03	REVISED LAYOUT	LXS	JCD
09.09.11	04	REVISED LAYOUT	JCD	RAB
18.10.2011	05	REVISED EGRESS STAIR LAYOUT	JCD	JCD
17.11.2011	06	REVISED PRELIMINARY ISSUE	JMW	RAB
23.01.2012	07	REVISED s75w APPLICATION	AXK	RAB



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CLIENT
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DATE	APRIL 2011	DRAWN	SMD
SCALE	1:100	CHECKED	JCD
SHEET SIZE	A1	APPROVED	-
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TITLE
**GENERAL SERVICES
BASEMENT 0 SERVICES LAYOUT**

PROJECT NO.
SYD 080740L

DRAWING NO.
WSP-CTP-M-B0-2-00

REVISION
07

PRELIMINARY

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17.11.2011	06	REVISED PRELIMINARY ISSUE	JMW	RAB
23.01.2012	07	REVISED S75w APPLICATION	AXK	RAB

REFERENCE COORDINATION DRAWINGS				
DESCRIPTION	DRAWING NO.	REV	CHKD	
BLOCK 1&4 LEVEL B1	PA-A-1758	04		



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CENTRAL THERMAL PLANT
BASE BUILD**

CLIENT
FRASERS BROADWAY

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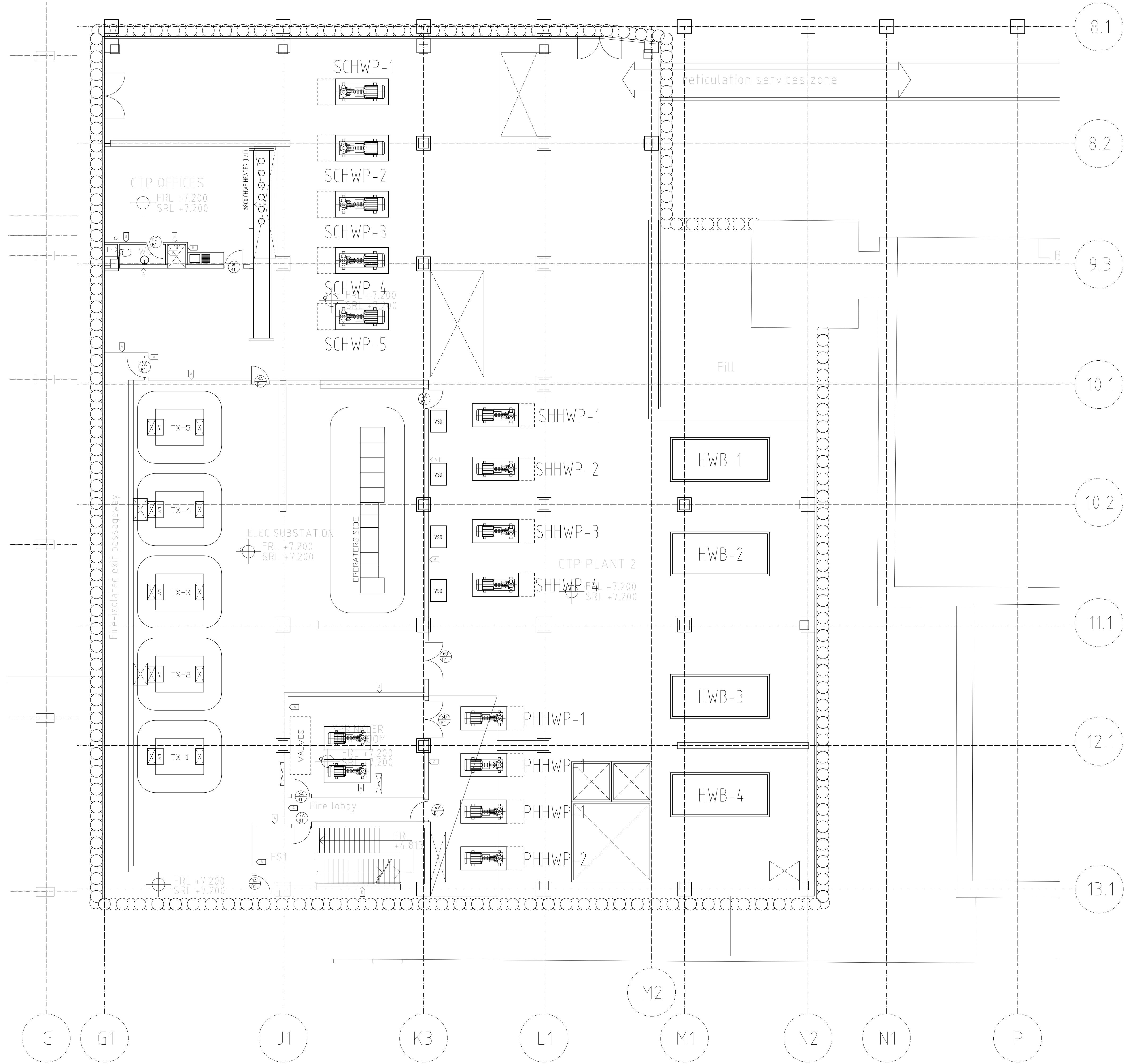
TITLE
**GENERAL SERVICES
BASEMENT 1 SERVICES LAYOUT**

PROJECT NO.
SYD 080740L

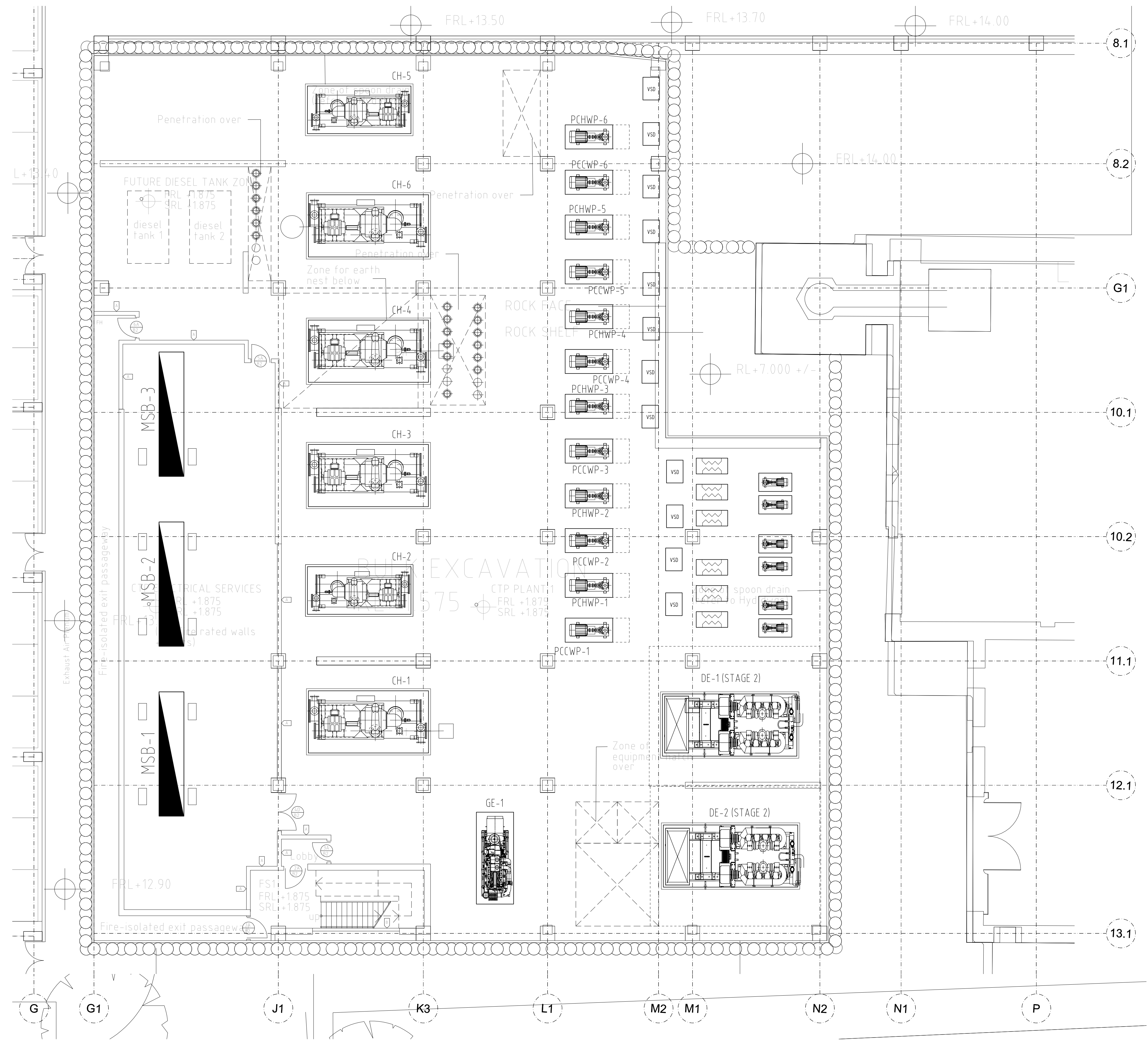
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18.10.11	05	REVISED STAIR LAYOUT	JCD	JCD
17.11.2011	06	REVISED PRELIMINARY ISSUE	JMW	RAB
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REFERENCE COORDINATION DRAWINGS				
DESCRIPTION	DRAWING NO.	REV	CHKD	
BLOCK 1&4 LEVEL B2	PA-A-1757	04	SMD	

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TITLE
**GENERAL SERVICES
BASEMENT 2 SERVICES LAYOUT**

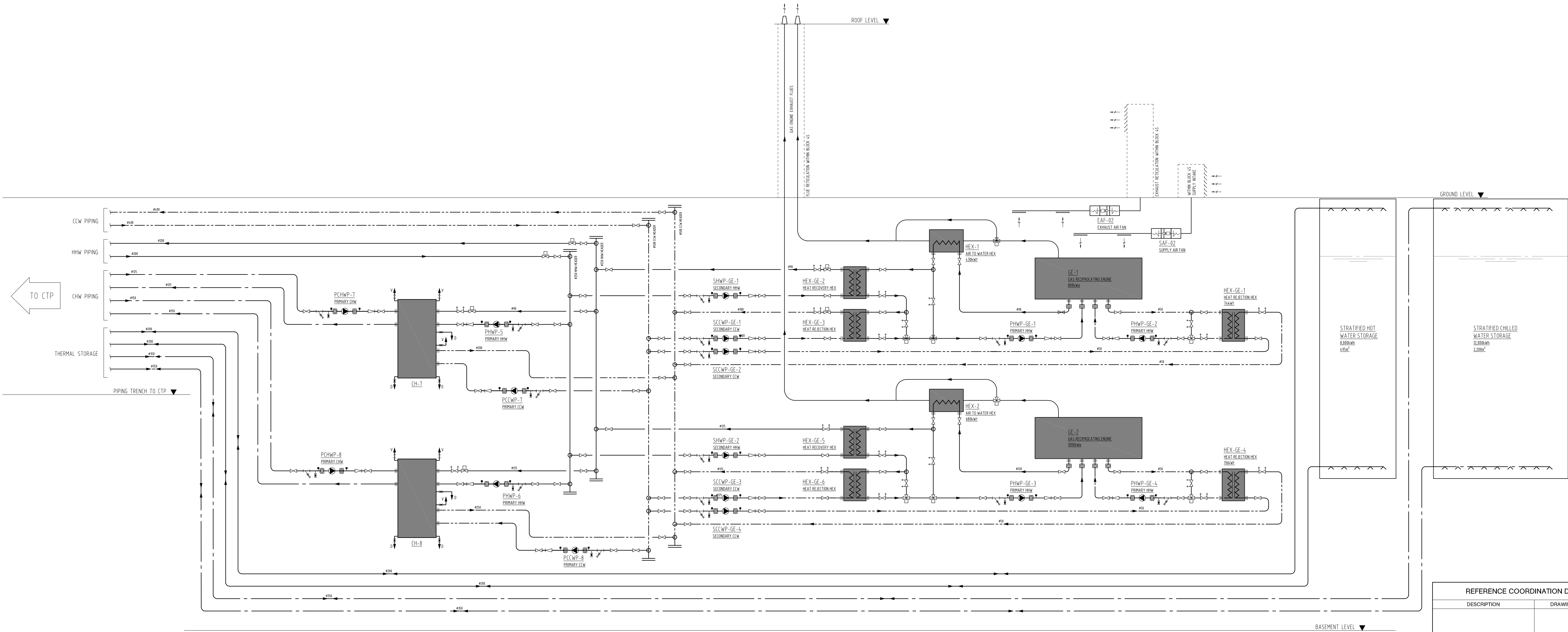
PROJECT NO.
SYD 080740L

DRAWING NO.
WSP-CTP-M-B2-2-00

REVISION
07

PRELIMINARY

DATE	REV	AMENDMENT	BY	CHKD
18.11.2011	01	ISSUED FOR INFORMATION	JCD	JCD
06.12.2011	02	ISSUED FOR INFORMATION	JCD	JCD
23.01.2012	03	REVISED STSW APPLICATION	JCD	JCD



MECHANICAL SERVICES SCHEMATIC - TRI-GENERATION FACILITY

SYSTEM SCHEMATIC LEGEND OF SYMBOLS

	CHILLED WATER (CHW)		CAPPED VALVE		FLEXIBLE CONNECTION		PUMP
	HOT WATER (HHW)		CAPPED FLANGE		TUNDISH TO WASTE		ISOLATING VALVE
	CONDENSER WATER (CW)		UNION		TEMPERATURE SENSOR		DIFFERENTIAL PRESSURE VALVE
	CHECK VALVE		UNIVERSAL TEST POINT		DIFFERENTIAL PRESSURE SENSOR		3-WAY VALVE
	DOUBLE REGULATING CONTROL VALVE		AUTOMATIC AIR VENT		FLOW METER		
	DRAIN VALVE		STRAINER		NORMALLY CLOSED		

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CLIENT
FRASERS BROADWAY

DATE	APRIL 2011	DRAWN	SMD
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CAD FILE P:\SYD080740L\1\WSP-CTP-M-XX-3-04.DWG			

TITLE
**MECHANICAL SERVICES
WATER SCHEMATIC (1 OF 2)**

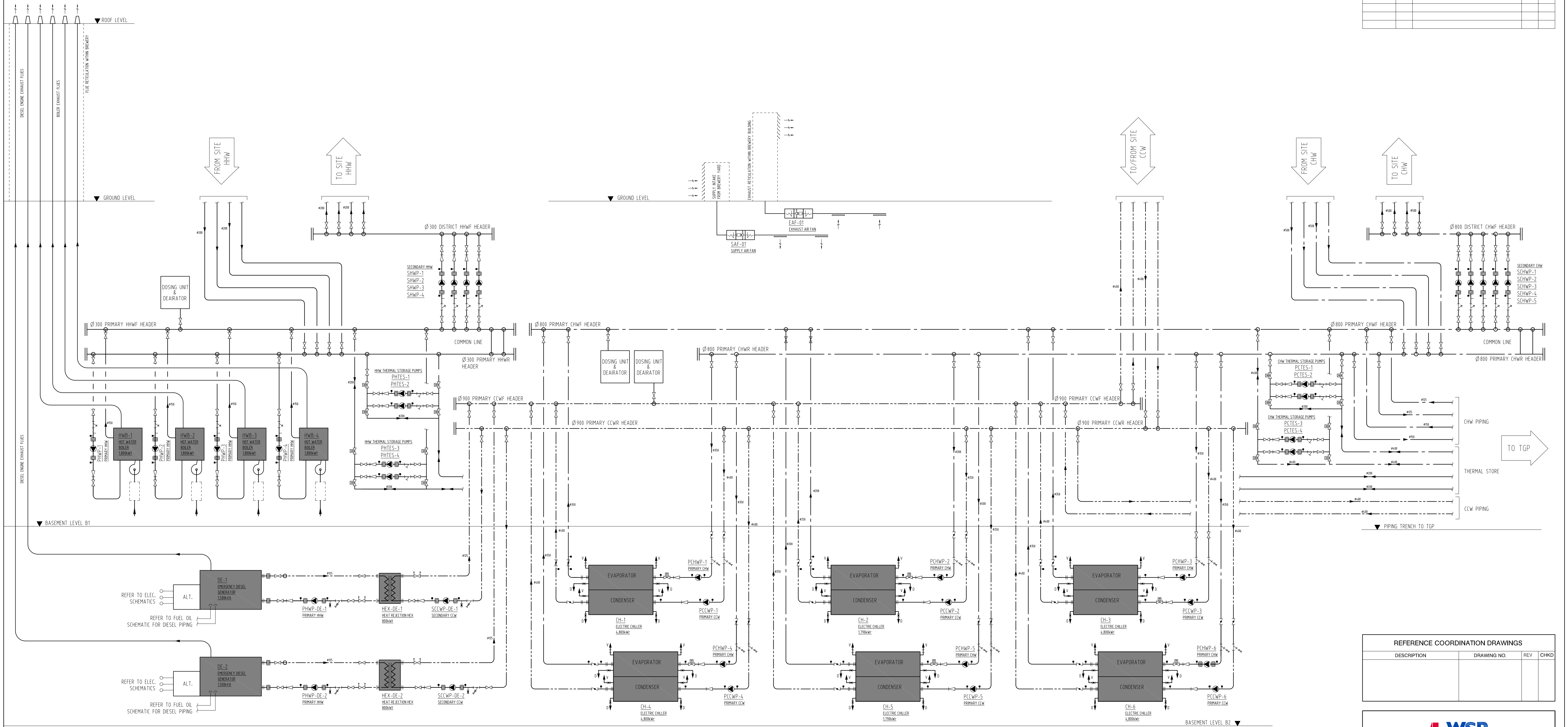
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DRAWING NO.
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REVISION
03

PRELIMINARY

DATE	REV	AMENDMENT	BY	CHKD
01.12.2011	01	ISSUED FOR INFORMATION	JCD	JCD
06.12.2011	02	ISSUED FOR INFORMATION	JCD	JCD
23.01.2012	03	REVISED STSW APPLICATION	JCD	JCD



MECHANICAL SERVICES SCHEMATIC - CENTRAL THERMAL PLANT
CTP ENCLOSURE

SYSTEM SCHEMATIC LEGEND OF SYMBOLS							
	CHILLED WATER (CHW)		CAPPED VALVE		FLEXIBLE CONNECTION		PUMP
	HOT WATER (HHW)		CAPPED FLANGE		TUNDISH TO WASTE		ISOLATING VALVE
	CONDENSER WATER (CCW)		UNION		TEMPERATURE SENSOR		DIFFERENTIAL PRESSURE VALVE
	CHECK VALVE		UNIVERSAL TEST POINT		DIFFERENTIAL PRESSURE SENSOR		3-WAY VALVE
	DOUBLE REGULATING CONTROL VALVE		AUTOMATIC AIR VENT		FLOW METER		
	DRAIN VALVE		STRAINER		NORMALLY CLOSED		

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TITLE
**MECHANICAL SERVICES
WATER SCHEMATIC (2 OF 2)**

PROJECT NO.
SYD 080740L

DRAWING NO.
WSP-CTP-M-XX-3-05

REVISION
03

PRELIMINARY