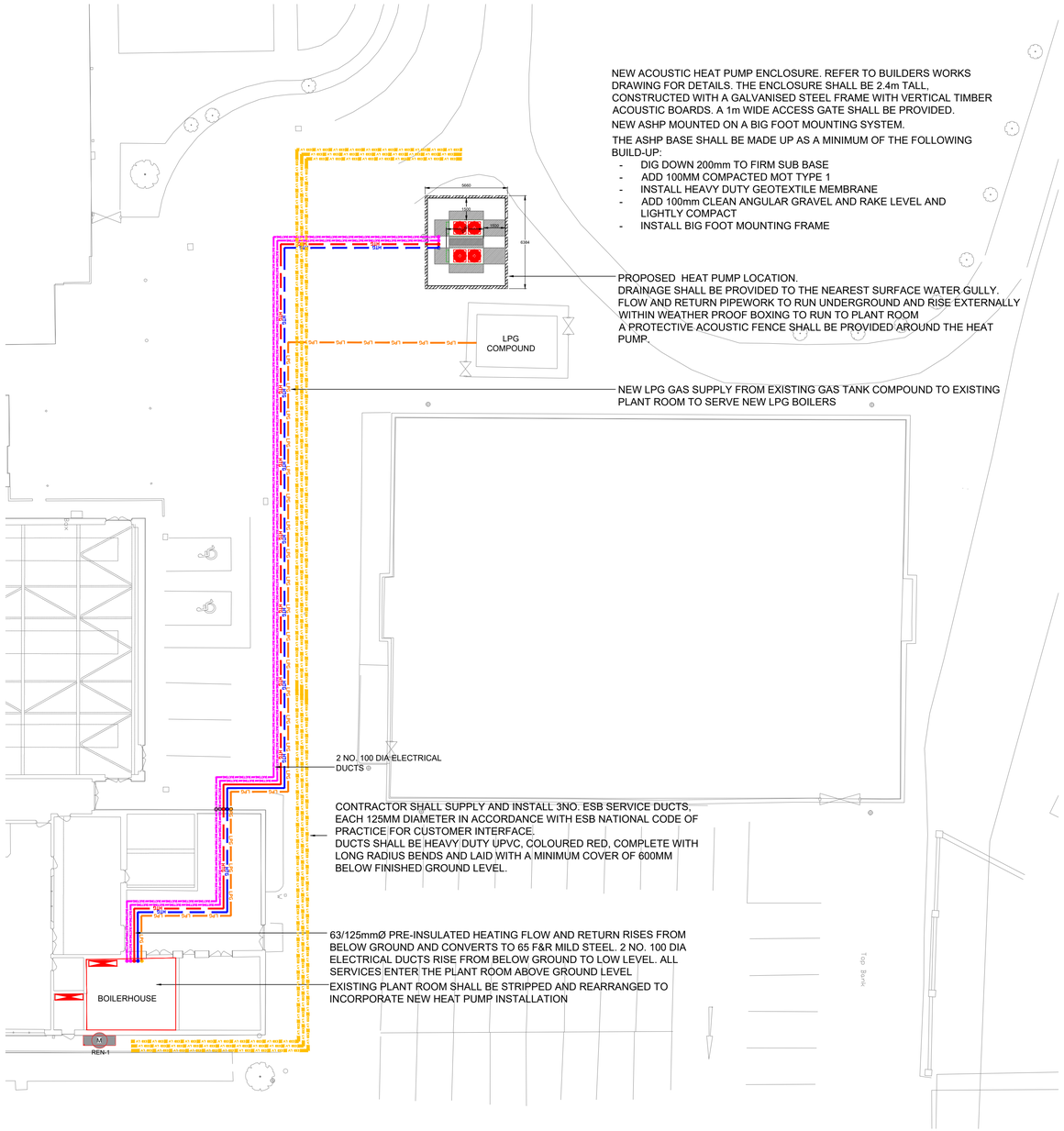
THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING WORKING DRAWINGS



NEW ACOUSTIC HEAT PUMP ENCLOSURE. REFER TO BUILDERS WORKS DRAWING FOR DETAILS. THE ENCLOSURE SHALL BE 2.4m TALL, CONSTRUCTED WITH A GALVANISED STEEL FRAME WITH VERTICAL TIMBER ACOUSTIC BOARDS. A 1m WIDE ACCESS GATE SHALL BE PROVIDED.

NEW ASHP MOUNTED ON A BIG FOOT MOUNTING SYSTEM.

THE ASHP BASE SHALL BE MADE UP AS A MINIMUM OF THE FOLLOWING BUILD-UP:

- DIG DOWN 200mm TO FIRM SUB BASE
- ADD 100MM COMPACTED MOT TYPE 1
- INSTALL HEAVY DUTY GEOTEXTILE MEMBRANE
- ADD 100mm CLEAN ANGULAR GRAVEL AND RAKE LEVEL AND LIGHTLY COMPACT
- INSTALL BIG FOOT MOUNTING FRAME

PROPOSED HEAT PUMP LOCATION.
DRAINAGE SHALL BE PROVIDED TO THE NEAREST SURFACE WATER GULLY. FLOW AND RETURN PIPEWORK TO RUN UNDERGROUND AND RISE EXTERNALLY WITHIN WEATHER PROOF BOXING TO RUN TO PLANT ROOM
A PROTECTIVE ACOUSTIC FENCE SHALL BE PROVIDED AROUND THE HEAT PUMP.

NEW LPG GAS SUPPLY FROM EXISTING GAS TANK COMPOUND TO EXISTING PLANT ROOM TO SERVE NEW LPG BOILERS

2 NO. 100 DIA ELECTRICAL DUCTS

CONTRACTOR SHALL SUPPLY AND INSTALL 3NO. ESB SERVICE DUCTS, EACH 125MM DIAMETER IN ACCORDANCE WITH ESB NATIONAL CODE OF PRACTICE FOR CUSTOMER INTERFACE.
DUCTS SHALL BE HEAVY DUTY UPVC, COLOURED RED, COMPLETE WITH LONG RADIUS BENDS AND LAID WITH A MINIMUM COVER OF 600MM BELOW FINISHED GROUND LEVEL.

63/125mmØ PRE-INSULATED HEATING FLOW AND RETURN RISES FROM BELOW GROUND AND CONVERTS TO 65 F&R MILD STEEL. 2 NO. 100 DIA ELECTRICAL DUCTS RISE FROM BELOW GROUND TO LOW LEVEL. ALL SERVICES ENTER THE PLANT ROOM ABOVE GROUND LEVEL

EXISTING PLANT ROOM SHALL BE STRIPPED AND REARRANGED TO INCORPORATE NEW HEAT PUMP INSTALLATION

SYMBOL LEGEND:

LPG	DENOTES NEW UNDEGROUND NAT GAS SUPPLY.
HTG / HTG	DENOTES PRE-INSULATED HEATING MAINS (HEATING FLOW & HEATING RETURN) SIZE TO BE CONFIRMED.
DUCTING	100mmØ DUCTING FOR LOW VOLTAGE/CONTROL CABLING FOR MECHANICAL EQUIPMENT.
POWER	DENOTES MINIMUM 200 X 60 CABLE TRAY FOR SUB MAINS CABLING
	REDUNDANT SERVICES/SUPPLIES TO BE ISOLATED AND REMOVED.
M	REDUNDANT SERVICES/SUPPLIES TO BE ISOLATED AND REMOVED.
	REDUNDANT SERVICES/SUPPLIES TO BE ISOLATED AND REMOVED.

SITE SERVICES CO-ORDINATION NOTES:

1. THE MAIN CONTRACTOR SHOULD NOTE WHEN TENDERING THAT ALL LIAISON WITH RELEVANT WILLING BODIES FOR CO-ORDINATION AND PROGRAMMING IS THE RESPONSIBILITY OF THE CONTRACTOR TEAM.
2. THE CONTRACTOR TEAM SHALL ARRANGE CO-ORDINATION MEETINGS WITH THE UTILITY BOIDES TO SATISFY THEMSELVES WITH THE KNOWLEDGE TO ALLOW FOR THE DELIVERY OF LIVE SERVICES AT PROJECT HANDOVER.
3. THE CONTRACTOR TEAM SHALL ENSURE THAT ANY TESTING, FLUSHING, CHLORINATION DOWN STREAM OF UTILITY CONNECTION IS COMPLETED IN ADEQUATE TIME TO ENABLE UTILITY BODIES TO BE MADE LIVE.
4. ANY TEMPORARY WATER OR POWER CONNECTIONS SHALL BE METERED BY MAIN CONTRACTOR. METER READINGS SHALL BE TAKEN AT PROJECT HANDOVER FOR RE-IMBURSEMENT TO CLIENT.
5. WHERE NOTED AND APPLICABLE, THE MAIN CONTRACTOR SHALL COMPLETE ALL GROUND WORKS EXCAVATIONS OF SERVICE TRENCHES ONCE COMPLETE.
6. ALL WATER PIPEWORK SHALL BE FLUSHED AND CHLORINATED UPON INSTALLATION. PIPEWORK CHLORINATION SAMPLE SHALL BE SEN TO APPROVED LABORATORY FOR VERIFICATION. UTILITY BODY WILL REQUIRE RECEIPT OF LAB RESULTS PRIOR TO MAKING WATER CONNECTION LIVE.
7. ALL PIPEWORK AND FITTINGS TO BE WRAS APPROVES AND IN COMPLIANCE WITH WATER REGULATIONS, BRITISH STANDARDS AND INDUSTRY BEST PRACTICE. ALL WATER INSTALLATIONS SHALL BE COMPLETED IN ACCORDANCE WITH WRAS GUIDELINES.

REV	DESCRIPTION	DRN	CKD	DATE
P02	TENDER STAGE	KC	SK	20.04.2026
P01	FOR APPROVAL	KC	SK	24.02.2026

ISSUE: TENDER STAGE

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PROJECT TITLE
ENERGY PATHFINDER MEATH SCHOOLS
ST OLIVERS POST PRIMARY

DRAWING TITLE
SITE SERVICES DRAWING

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