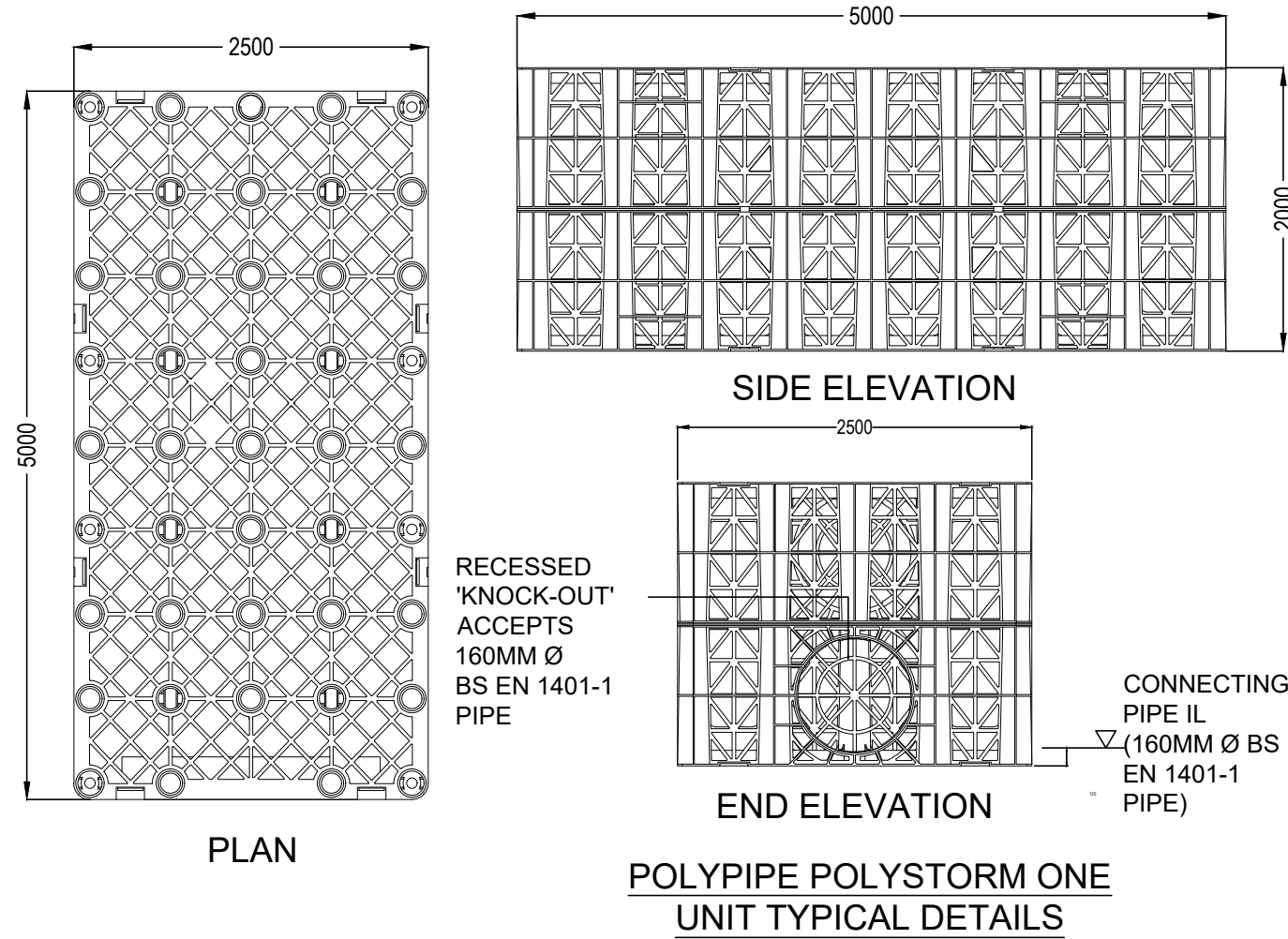
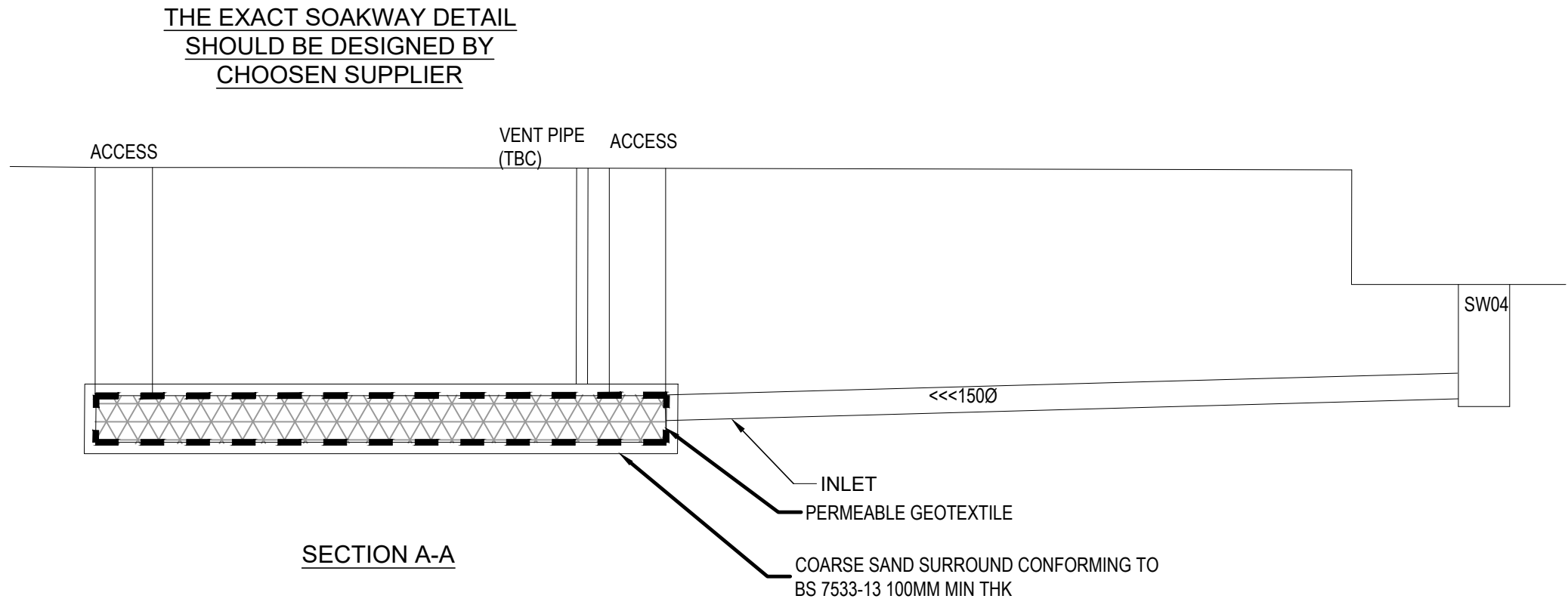
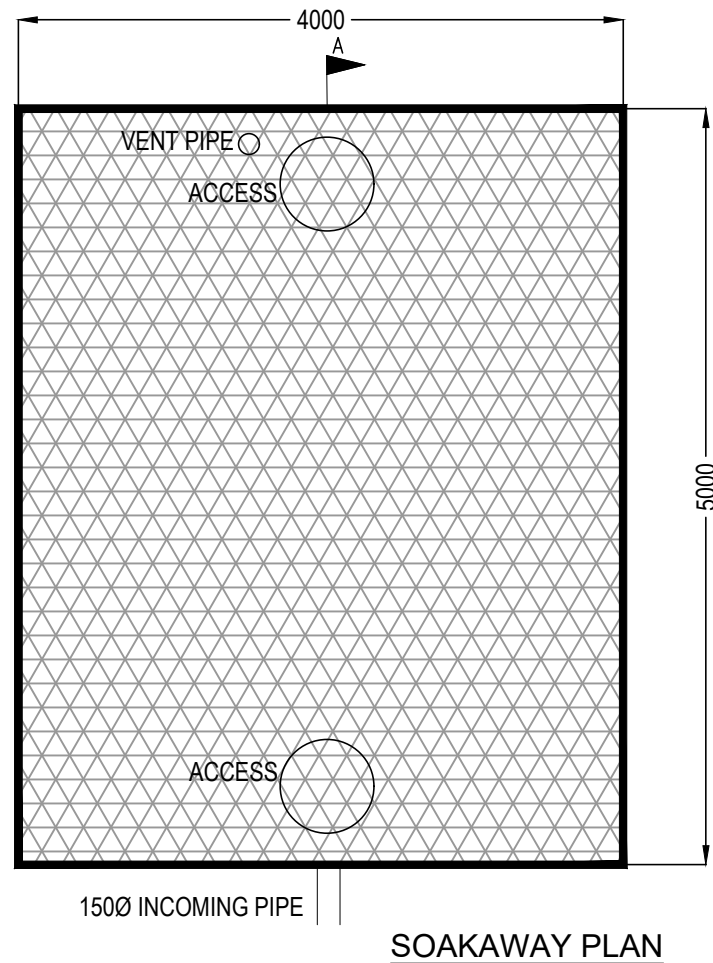




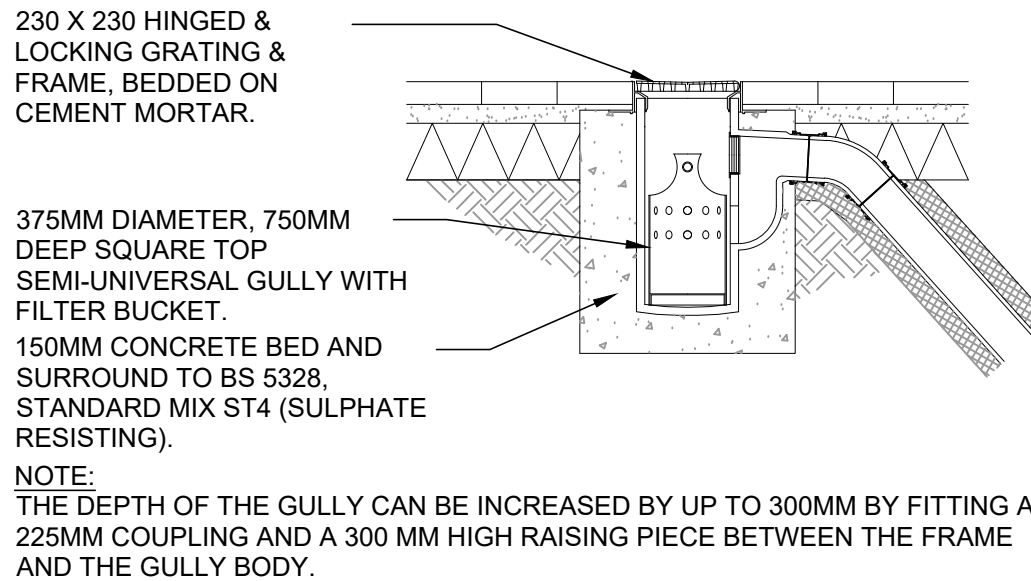
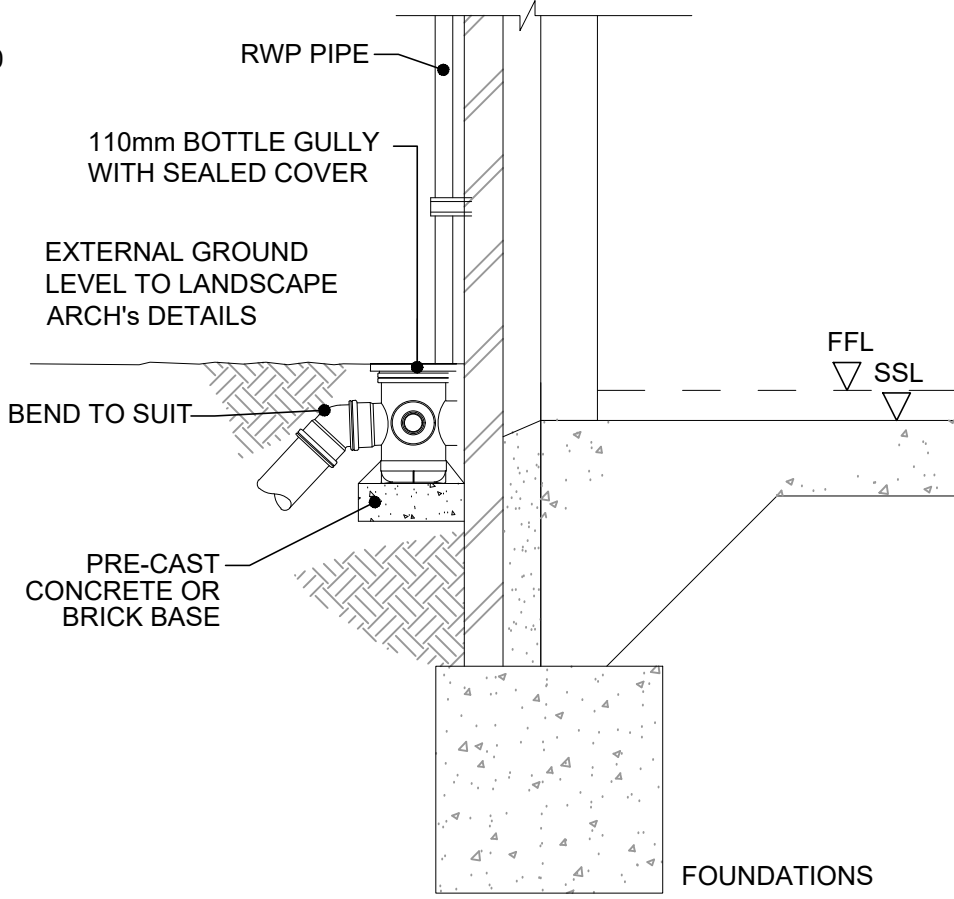
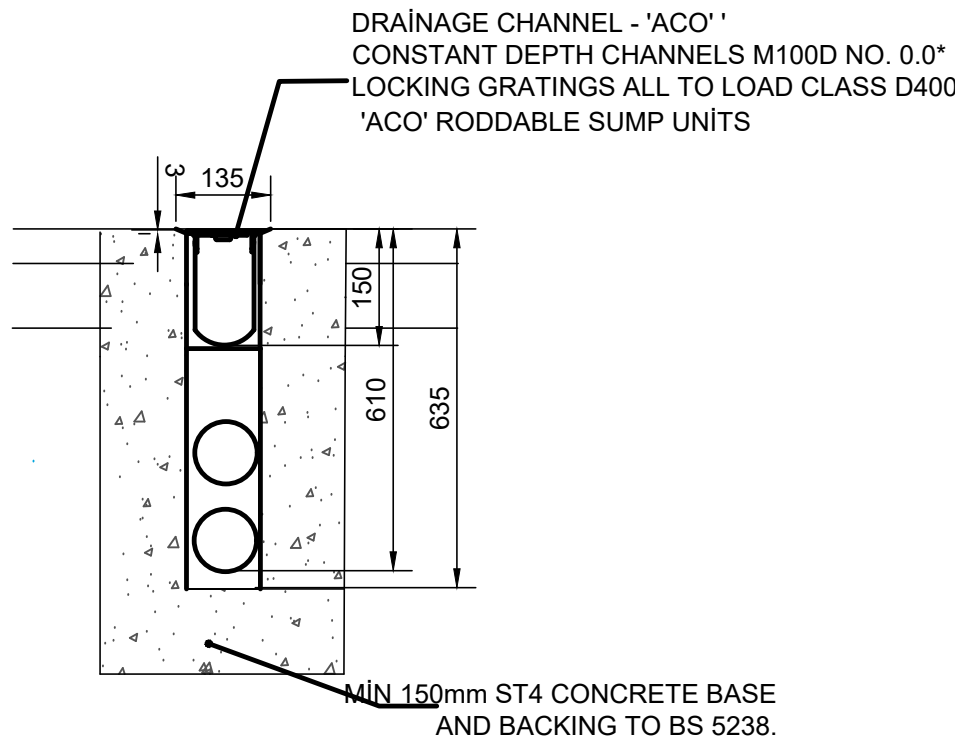
SOAKAWAY HAS BEEN DESIGNED BASED ON IMPERMEABLE AREA OF 423 m², WHICH IS EXTENT OF BUILDING AND EXTERNAL SURFACE AS PER ARCHITECT'S LAYOUT SHOWN IN BACKGROUND. NO ADDITIONAL AREA FROM GARDEN IS INCLUDED

DIMENSION L5mxW4mxH0.4m
AREA 20m²
VOLUME 7.6m³ ASSUMING 95% VOID RATIO IN CRATES
TOP 117.56
BASE 117.16

COVER 119.72 ASSUMED BASED ON BRICK RETAINING WALL HEIGHT 1M

SOAKAWAY CRATES TYPE& STRENGTH SHOULD BE CONFIRMED BY CHOSEN SUPPLIER AND PROVIDED TO ENGINEER FOR VERIFICATION.

- ASSUMED INFILTRATION 10⁴ml/s (0.36m/hr) BASED ON EARTH ENVIRONMENTAL LTD ADVICE
- SAND LAYER BASED ON SI WS03 0.60-6M
- PRIOR TO INSTALLAING ANY SURFACE WATER DRAINAGE A BRE 365 INFILTRATION TEST MUST BE UNDERTAKEN TO CONFIRM THE INFILTRATION RATES AND VALIDATE THE PROPOSED SURFACE WATER DESIGN. IF INFILTRATION RATES ARE MORE ONEROUS THAN WHAT IS CURRENTLY ASSUMED THAN SURFACE WATER DRAINAGE WILL NEED TO BE REDESIGNED
- SOAK AWAY SHOULD BE LOCATED ENTIRELY WITHIN THE SAND LAYER
- GROUNDWATER HAS NOT BEEN FOUND UP TO 6m DURING SI , GROUNDWATER MONITORING IS RECOMMENDED TO INVESTIGATE SEASONAL VARIATION WHICH COULD AFFECT SOAKAWAY
- SOAKAWAY SHOULD BE BUILT IN SHOWN LOCATION AS BUILDING REGULATION PART H REQUIRES MINIMUM 5 m DISTANCE FROM FOUNDATION



TYPICAL TRAPPED AND RODDABLE YARD GULLY DETAIL

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
5. THE DESIGN OF THE SOAKAWAY SHOULD BE PROVIDED BY THE MANUFACTURER OR SUPPLIER TO ENSURE THE SOAKAWAY IS SUFFICIENT FOR THE SITE SPECIFIC CRITERIA.
6. THE SOAKAWAY DESIGN SHOULD INCORPORATE:
 - CRATES SUBJECT TO OCCASIONAL PEDESTRIANLOADING,
 - SUITABLE MAINTENANCE ACCESS; AND
 - VENTING TO PREVENT TRAPPED AIR POCKETS.
7. THE STRENGTH OF THE SOAKAWAY SHOULD COMPLY WITH CIRIA C680 STRUCTURAL DESIGN OF MODULAR GEOCELLULAR DRAINAGE SOAKAWAYS.
8. ACCESS FOR MAINTENANCE SHOULD BE IN ACCORDANCE WITH CIRIA GUIDANCE.
9. VENTING TO THE SOAKAWAY SHOULD BE CONFIRMED BY THE SOAKAWAY MANUFACTURER. VENTING SHOULD BE LOCATED WITHIN LANDSCAPED AREAS, OR ROUTED BACK TO THE NEAREST MANHOLE ABOVE THE DESIGN WATER LEVEL.
10. CONSTRUCTION AND INSTALLATION OF THE SOAKAWAY SHOULD BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
11. THE CURRENT DESIGN OF THE SOAKAWAY IS BASED ON USE OF POLYPIPE POLYSTORM 1 UNITS, TO ALLOW AN ASSUMPTION OF UNIT SIZES WITHIN THE OVERALL DESIGN. HOWEVER, WHERE AN ALTERNATIVE SYSTEM IS PROPOSED, THE DIMENSIONS OF THE UNITS WILL NEED TO BE CHECKED WITHIN THE DESIGN AND MAY RESULT IN A REDESIGN.
12. THE CONTRACTOR SHALL PROHIBIT THE MOVEMENT OF CONSTRUCTION PLANT ACROSS THE STORAGE SOAKAWAY AND WHERE NECESSARY PROVIDE ADDITIONAL SUPPORT AND PROTECTION TO THE STRUCTURE. PARTICULARLY POST CONSTRUCTION, TEMPORARY FENCING CAN BE USED TO PROHIBIT TRADE STOCKS, PILLING MATERIALS, HEAVY PLANTS ETC.

19.02.25	ISSUED FOR COMMENTS	M.A	P01
DATE	REVISION DETAILS	INITIALS	REV

MAKΣ

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STATUS: PRELIMINARY				
PROJECT: 3 SUNNINGALE AVE				
DRAWING TITLE: SUDS DETAILS				
SIZE: A1	DATE: 19.02.25	DRAWN: MJ	DESIGNED: MJ	CHECKED: MA
SCALE: 1:100				
PROJECT NO:	ORIGINATOR:	ZONE:	LEVEL:	TYPE: DISCIPLINE: CATEGORY/NUMBER: REVISION:
240304 - MAK - 00 - ZZ - DR - C - 92-001 - P01				