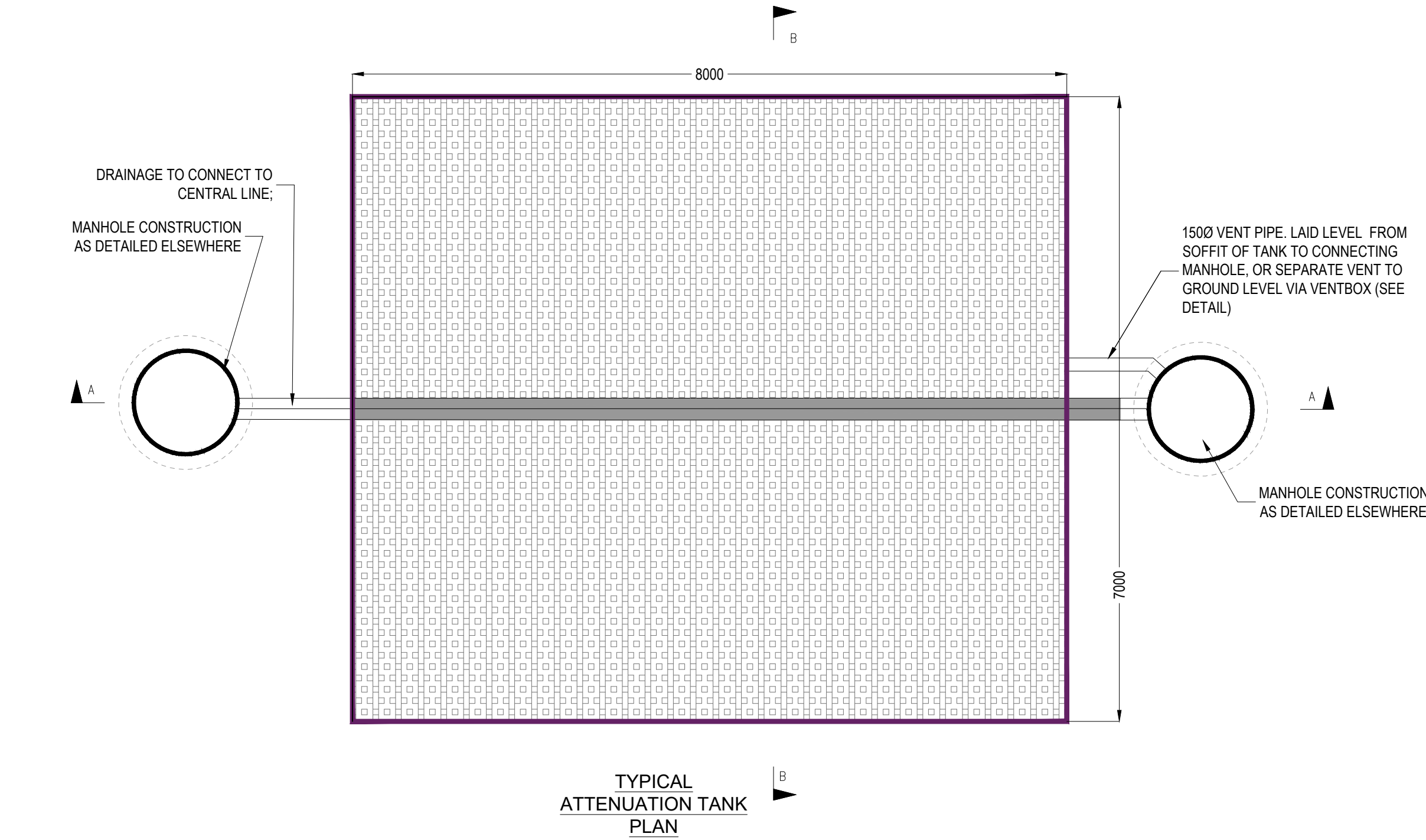


GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- 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.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- REFER TO THE DRAINAGE LAYOUT FOR THE LOCATION OF THE FLOW CONTROL.
- FLOW CONTROL TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- WHERE ALTERNATIVE FLOW CONTROL DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
- 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.
- THE DESIGN OF THE TANK SHOULD BE PROVIDED BY THE MANUFACTURER OR SUPPLIER TO ENSURE THE TANK IS SUFFICIENT FOR THE SITE SPECIFIC CRITERIA.
- THE TANK DESIGN SHOULD INCORPORATE:
 - CRATES SUBJECT TO OCCASIONAL HGV LOADING,
 - SUITABLE MAINTENANCE ACCESS; AND
 - VENTING TO PREVENT TRAPPED AIR POCKETS.
- THE STRENGTH OF THE TANK SHOULD COMPLY WITH CIRIA C680 STRUCTURAL DESIGN OF MODULAR GEOCELLULAR DRAINAGE TANKS.
- ACCESS FOR MAINTENANCE SHOULD BE IN ACCORDANCE WITH CIRIA GUIDANCE.
- VENTING TO THE TANK SHOULD BE CONFIRMED BY THE TANK MANUFACTURER. VENTING SHOULD BE LOCATED WITHIN LANDSCAPED AREAS, OR ROUTED BACK TO THE NEAREST MANHOLE ABOVE THE DESIGN WATER LEVEL.
- CONSTRUCTION AND INSTALLATION OF THE TANK SHOULD BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- THE CURRENT DESIGN OF THE TANK IS BASED ON USE OF POLYPIPE POLYSTORM PSM1 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.
- THE CONTRACTOR SHALL PROHIBIT THE MOVEMENT OF CONSTRUCTION PLANT ACROSS THE STORAGE TANK 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.



CURRENT DESIGN ASSUMPTIONS

DESIGN BASED POLYSTORM DEEP (PSM1) 0.50m (W) 0.40m (H), 1m (L) BASED ON BURIAL DEPTH OF 1.97M

TANK IS LOCATED IN AN AREA SUBJECT TO OCCASIONAL HEAVY VEHICLE LOADING. DETAILED STRUCTURAL CALCULATIONS REQUIRED TO PROVE TANK HAS SUFFICIENT STRENGTH.

THE MANUFACTURER WILL NEED TO CONFIRM THAT THE TANK HAS SUFFICIENT STRENGTH FOR THIS LOCATION IN ACCORDANCE WITH CIRIA C680.

MINIMUM GROUND LEVEL IS APPROX. 40.06, DEPTH TO SOFFIT 0.7 M

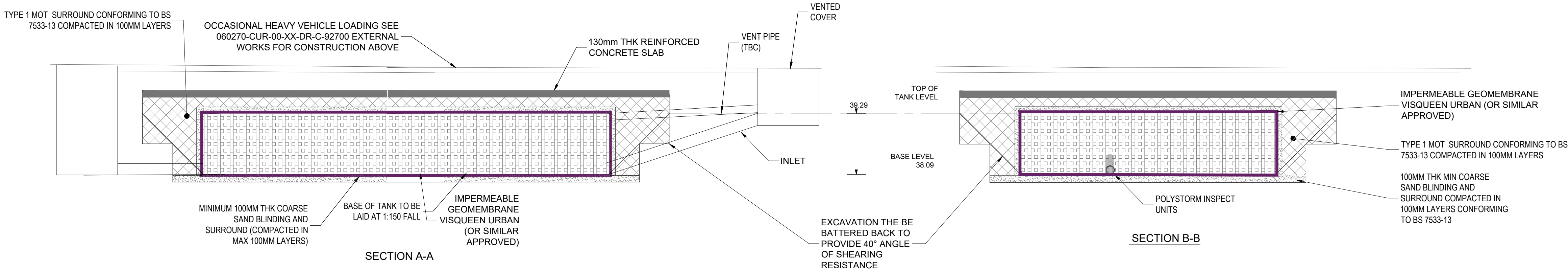
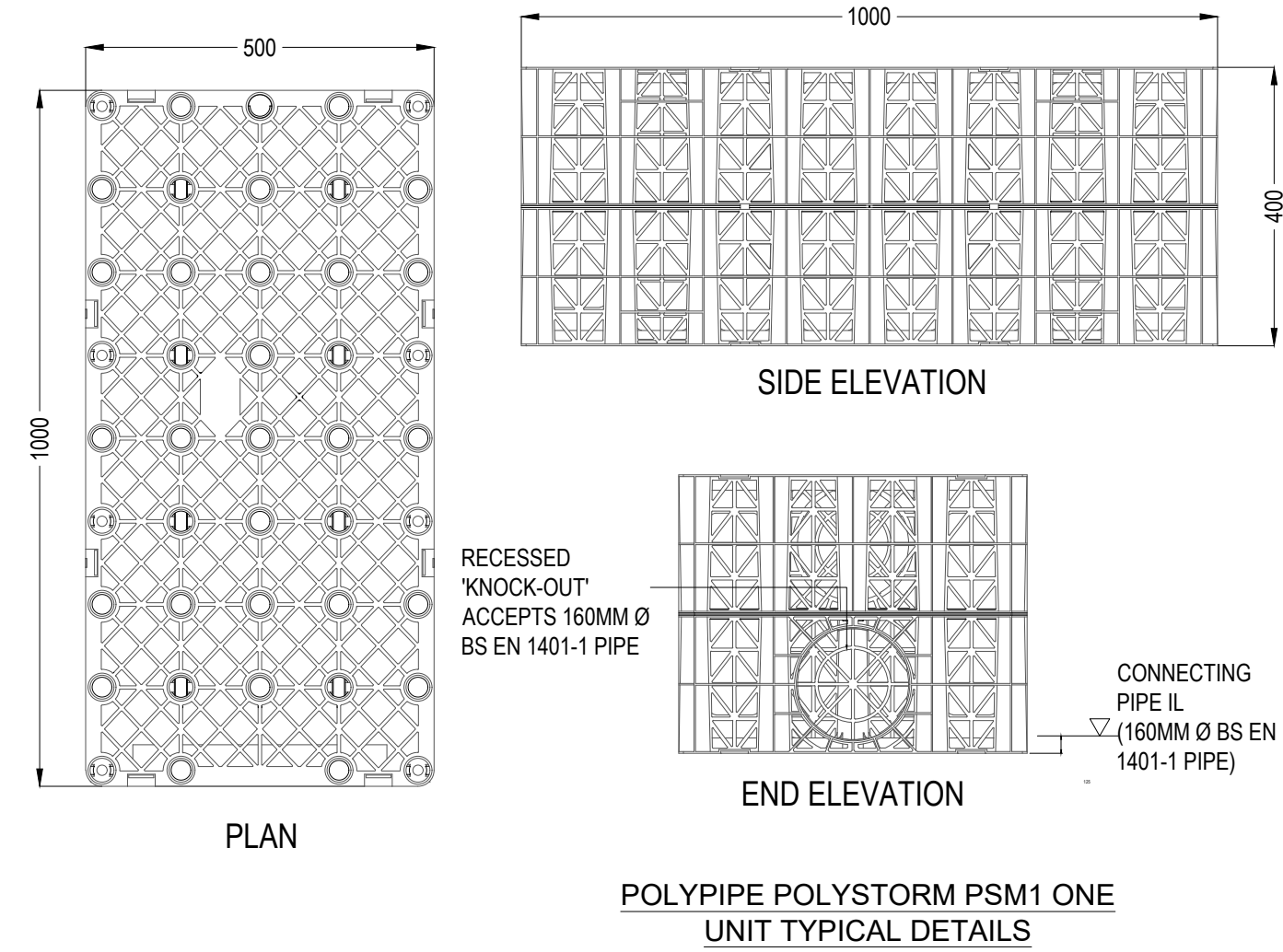
TOP OF TANK 39.36
INVERT LEVEL OF INLET PIPE 38.16
INVERT LEVEL OF OUTLET PIPE 38.15
BASE OF TANK TO BE LAID AT 1:400 FALL.

DIMENSIONS OF TOTAL UNIT ARE AS SHOWN.
PLAN AREA OF TANK IS 15m²
TOTAL DEPTH OF TANK IS 1.2m.
ATTENUATION VOLUME, BASED ON 95% VOID RATIO IS 17.1 m³

IMPERMEABLE MEMBRANE, BED AND SURROUND TO BE CONFIRMED WITH THE MANUFACTURER.

REFER TO DRAINAGE LAYOUT FOR TANK & INLET/OUTLET LOCATIONS.

ATTENUATION TANK NOT AFFECTED BY GROUND WATER AS INDICATED IN SITE INVESTIGATION REPORT.



C03	UPDATED TO SUIT NEW TANK LAYOUT	08.11.24	CS	CS
C02	UPDATES TO TQ'S	16.08.22	LK	MW
C01	CONSTRUCTION ISSUE	24.06.22	LK	MW
P05	FOUL PUMP STATION 1 AMENDED	29.04.22	LK	MW
P04	TANK HEIGHT UPDATED	28.06.21	MW	MW
P03	STAGE 4	13.10.20	MW	MW
P02	STAGE 4 DRAFT	07/09/20	MW	MW
P01	STAGE 3 ISSUE	31/01/20	MW	MW

Rev:	Description:	Date:	By:	Chkd:
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Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 235 2384
manchester@curtins.com
www.curtins.com

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Status:

STAGE 5

Project:

LONDON ROAD FIRE STATION

Orig Title:

DRAINAGE DETAIL
SHEET 3 OF 5

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	31/01/19	MW	MW	MW
Scale:	1:NTS			
Project No:	Originator:	Zone:	Level:	Type: Discipline: Category / Number: Rev:

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