

COPYRIGHT RAMBOLL UK LIMITED. ALL RIGHTS RESERVED. THIS DOCUMENT IS ISSUED FOR THE PARTY WHO COMMISSIONED IT AND FOR THE SPECIFIC PURPOSES CONNECTED WITH THE PROJECT ONLY. IT SHOULD NOT BE RELIED UPON BY ANY OTHER PARTY OR USED FOR ANY OTHER PURPOSE. RAMBOLL ACCEPTS NO RESPONSIBILITY OR LIABILITY WHICH MAY ARISE FROM RELIANCE OR USE OF THIS DOCUMENT OR THE DATA CONTAINED HEREIN BY ANY OTHER PARTY OR FOR ANY OTHER PURPOSE.

KEY	
	SITE BOUNDARY
	PROPOSED FOUL WATER
	PROPOSED SURFACE WATER
	PROPOSED SURFACE WATER PERFORATED PIPE
	PROPOSED PRIVATE ACO CHANNEL DRAIN WITH UNIVERSAL GULLY OUTLET
	EXISTING PRIVATE SOUTH YORKSHIRE PUBLIC TRANSPORT EXECUTIVE (SYPT) COMBINED DRAIN
	PROPOSED DIVERTED SYPT SEWER
	EXISTING SURFACE WATER
	EXISTING FOUL WATER
	PROPOSED 1200mm DIA PPC SURFACE WATER MANHOLE
	PROPOSED 1200mm DIA PPC FOUL WATER MANHOLE
	PROPOSED 450mm DIA PPC SURFACE WATER MANHOLE
	PROPOSED 450mm DIA PPC FOUL WATER MANHOLE
	GULLY
	FLOOR GULLY
	PROPOSED RAIN WATER PIPE REFER TO MEP & ARCHITECTS DRAWINGS FOR ABOVE GROUND DRAINAGE
	PROPOSED SOIL VENT PIPE REFER TO MEP & ARCHITECTS DRAWINGS FOR ABOVE GROUND DRAINAGE
	STUB STACK
	OVAL RODDING EYE
	ATTENUATION TANK

DRAINAGE DESIGN NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES, SURVEYS AND REPORTS
- ALL DRAINAGE PROPOSALS SUBJECT TO CLIENT, LOCAL AUTHORITY, ENVIRONMENT AGENCY AND UNDERTAKER APPROVAL
- IT IS ASSUMED THAT FOUL AND STORM WATER DRAINAGE WILL NOT BE OFFERED FOR ADOPTION AND HAS BEEN DESIGNED AS SUCH - CIVIL ENGINEER TO BE INFORMED IF DRAINAGE IS TO BE OFFERED FOR ADOPTION AS SIGNIFICANT REDESIGN MAY BE REQUIRED.
- NEW CONNECTIONS TO EXISTING SEWERS AND RIVERS SUBJECT TO LEVEL SURVEYS AND CCTV CONDITION & CONNECTIVITY SURVEYS
- ALL EXISTING DRAINAGE WHICH IS TO BE REUSED IS SUBJECT TO CCTV CONDITION AND CONNECTIVITY SURVEYS
- PROPOSED STORM WATER NETWORK HAS BEEN DESIGNED NOT TO FLOOD IN THE 1 IN 30 YEAR EVENT
- STORM WATER DISCHARGE FROM THE SITE WILL BE RESTRICTED TO 27 l/s WHICH REPRESENTS A 30% REDUCTION OF EXISTING RUNOFF RATES, AS AGREED WITH YORKSHIRE WATER, FOR ALL STORM WATER EVENTS UP TO AND INCLUDING THE 1 IN 100 YEAR EVENT (+40% CLIMATE CHANGE)
- PROPOSED STORM WATER NETWORK HAS BEEN DESIGNED TO ENSURE ANY EXCESS FLOOD VOLUMES ARE CONTAINED ON SITE FOR THE 1 IN 100 YEAR EVENT (+40% CLIMATE CHANGE) WITHOUT HINDERING ESCAPE DURING EMERGENCIES
- LOCATION OF SVP, SS, AOV AND RWP ARE SUBJECT TO FINAL DETAILED CO-ORDINATION BETWEEN ARCHITECT AND PUBLIC HEALTH ENGINEER.
- ALL CHAMBERS ARE TO BE 1200mm PCC (UNLESS NOTED)
- ALL STORM WATER DRAINS ARE TO BE MINIMUM 150mm LAID AT A GRADIENT OF 1:80 UNLESS NOTED.
- ALL FOUL WATER DRAINS ARE TO BE A MINIMUM 100mm LAID AT A GRADIENT OF 1:40 UNLESS NOTED
- ALL DRAINAGE COVER LEVELS, INVERT LEVELS, GRADIENTS AND PIPE DIAMETERS ARE TO BE FINALISED PRIOR TO CONSTRUCTION REFER TO MANHOLE SCHEDULES FOR LOAD CLASS
- ALL MANHOLES IN EXTERNAL PAVED AREAS TO BE FITTED WITH RECESSED ACCESS COVERS TO SUIT PROPOSED LANDSCAPE FINISHES. ALL EXTERNAL LEVELS IN ACCORDANCE WITH LANDSCAPE ARCHITECTS DESIGN
- LEVEL THRESHOLDS HAVE BEEN ASSUMED. ALL THRESHOLD CHANNEL DRAINAGE TO BE ACO MD100 UNLESS NOTED OTHERWISE. DRAINAGE PROPOSALS SUBJECT TO FINDINGS OF ABORICULTURAL SURVEYS, ROOT PROTECTION ZONES AND CONTAMINATION REPORTS
- ALL LEVELS ARE INDICATIVE, ANY SETTING OUT ON SITE SHOULD CONDUCT THEIR OWN LEVEL SURVEYS PRIOR TO WORKS
- CONNECTIONS FROM SOIL VENT, STUB STACKS, FLOOR GULLIES FROM ABOVE TO BELOW GROUND ARE BASED ON THE DRAWING 'BAR-TAC-XX-00-DR-M-53001'. REFER TO MEP ENGINEER DRAWINGS FOR DOWN POINT LOCATIONS
- REFER TO STRUCTURES DRAWINGS FOR FOUNDATION LAYOUT.

FOR SURFACE AND FOUL WATER MANHOLE SCHEDULES REFER TO BAR-RAM-ZZ-XX-DR-CD-00250 AND 00251

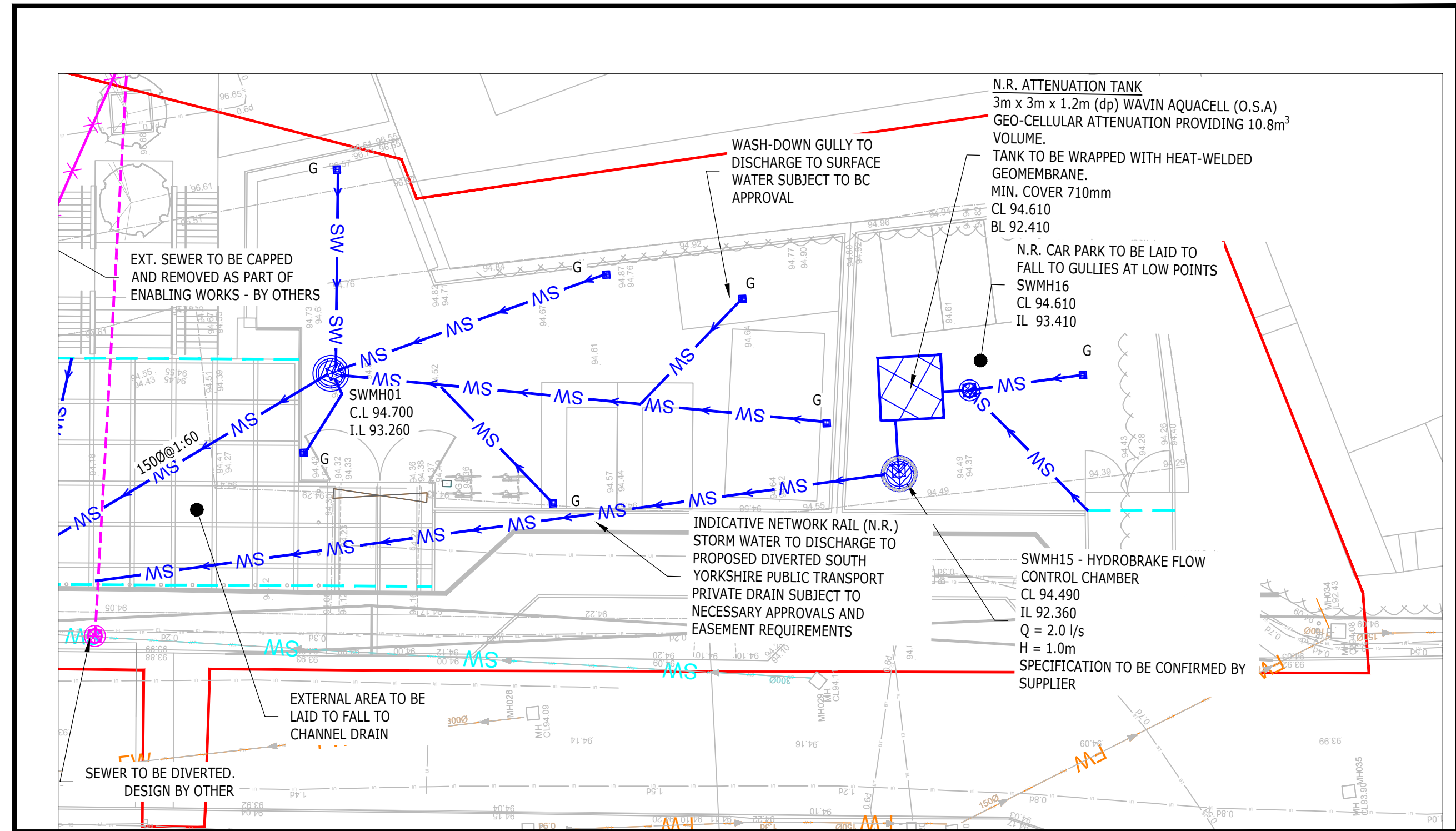
GREASE AND FOOD WASTE CONTROL BEST PRACTISE OF AVOIDING EXCESSIVE FOOD WASTE AND GREASE ENTERING DRAINS TO BE UNDERTAKEN IN KITCHEN ABOVE GROUND. IT IS THE RESPONSIBILITY OF THE OWNERS TO ENSURE ANY GREASE DOSING UNITS ARE ADEQUATELY MAINTAINED AND KITCHEN STAFF ARE SUITABLY TRAINED.

ALL INTERNAL MANHOLES TO BE FITTED WITH RECESSED DOUBLE SEALED AIR-TIGHT ACCESS COVERS TO PREVENT INGRESS OF ODOURS

SUMP IN LIFT PIT TO BE DRAINED USING MOBILE SUBMERSIBLE PUMP AND TO DISCHARGE TO NEAREST DRAINAGE POINT - REFER TO M&E SPECIFICATIONS FOR DETAILS OF SUMP PUMPS.

RAMBOLL ARE NOT RESPONSIBLE FOR THE DESIGN OR AMENDMENT TO ANY HIGHWAY DRAINAGE. EXTERNAL PARTIES MUST BE CONSULTED.

INSET A



T2	TENDER	10.03.2023	EA	NH
T1	TENDER	19.02.2023	EA	NH
Rev	Description	Date	By	App

TENDER

ONSIDE - BARNSELY YOUTH ZONE



tel 020 7631 5291 london@ramboll.co.uk www.ramboll.co.uk

SURFACE AND FOUL WATER DRAINAGE LAYOUT

Project No:	Scale (@A1):	Drawn:	Date:
1620014415-004	1:200	EA	FEB 2022
Drawing No:	Suitability:	Rev:	
BAR-RAM-ZZ-XX-DR-CD-00100		T2	