

NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE BELOW GROUND DRAINAGE SPECIFICATION AND ALL RELEVANT ARCHITECTS, M&E CONSULTANTS, SERVICES & SPECIALIST CONTRACTOR'S DRAWINGS.
- WHERE NOTES ON THIS DRAWING DIFFER FROM THE SPECIFICATION, CLARIFICATION SHALL BE SOUGHT FROM THE PROJECT MANAGER AND/OR SUPERVISOR.
- THE WORKS DESCRIBED AND SPECIFIED ON THIS & ASSOCIATED DRAWINGS SHALL BE UNDERTAKEN IN ACCORDANCE WITH CURRENT HEALTH & SAFETY LEGISLATION. REFERENCE SHALL ALSO BE MADE TO THE PRE-CONSTRUCTION INFORMATION PACK PREPARED BY THE PRINCIPAL DESIGNER FOR THE PROJECT.
- ALL PRIVATE DRAINAGE SHALL COMPLY WITH THE BUILDING REGULATIONS. WHERE DRAINAGE IS TO BE ADOPTED IT SHALL COMPLY WITH THE CODE FOR ADOPTION - SEWERAGE SECTOR GUIDANCE (APPENDIX C).
- PIPE BEDDINGS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS' RECOMMENDATIONS, TAKING ACCOUNT OF THE DEPTH & LOADING IN RELATION TO THE PIPE STRENGTH. THE CONTRACTOR SHALL ISSUE BEDDING PROPOSALS TO THE PROJECT MANAGER AND/OR SUPERVISOR FOR APPROVAL.
- ALL LEVELS RELATE TO ORDNANCE DATUM (NEWLYN) UNO.
- PIPES ENTERING/EXITING MANHOLES SHALL HAVE LEVEL SOFFITS UNO.
- DETAILS OF EXISTING SEWERS (LINE/LEVEL/PIPE SIZES ETC) SHALL BE CONFIRMED BY THE CONTRACTOR ON SITE PRIOR TO THE CONSTRUCTION OF ANY DRAINAGE WORKS. THE CONTRACTOR SHALL ESPECIALLY CHECK THE INVERT LEVELS OF ALL OUTFALLS IN RELATION TO EXISTING SEWERS TO ENSURE THE PROPOSED DESIGN CAN BE ACHIEVED. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER AND/OR SUPERVISOR.
- BEFORE DRAINAGE WORKS COMMENCE THE CONTRACTOR SHALL CONFIRM THE DEPTH, SIZE & LOCATION OF ALL EXISTING DRAINAGE/SERVICES TO BE CROSSED. ANY CONFLICT IN LEVELS BETWEEN EXISTING DRAINAGE/SERVICES & NEW DRAINAGE SHALL BE REPORTED TO THE PROJECT MANAGER AND/OR SUPERVISOR.
- FOR SETTING-OUT OF SOIL & VENT PIPES, STUB STACKS AND RAINWATER PIPES REFER TO ARCHITECT'S DRAWINGS.
- ALL LATERAL FOUL CONNECTIONS SHALL BE 100mm Ø LAID AT 1:40 MIN UNO.
- ALL SURFACE WATER DRAINS SHALL BE 100mm Ø LAID AT 1:59 MIN UNO. ALL ROAD GULLY CONNECTIONS SHALL BE 150mm Ø LAID AT 1:100 MIN UNO.
- RAINWATER PIPES NOT CONNECTED TO AN INSPECTION CHAMBER SHALL BE CONNECTED DIRECTLY TO DRAIN (NO ACCESS GULLY).
- ADOPTED DRAINAGE PIPEWORK TO BE HEPWORTH SUPERSEALVE VTRIFIED CLAY DRAINAGE SYSTEM TO BS EN 295. ALL JOINTS TO BE FLEXIBLE. PIPES TO BE LAID IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PRIVATE DRAINAGE PIPEWORK TO BE EITHER HEPWORTH SUPERSEALVE VTRIFIED CLAY DRAINAGE SYSTEM TO BS EN 295 OR HEPWORTH UPVC DRAINAGE SYSTEM TO BE EN 1401. ALL JOINTS TO BE FLEXIBLE. PIPES TO BE LAID IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- WHERE CROWN OF VC PIPE IS LESS THAN 1200mm BELOW FINISHED ROAD LEVEL OR CROWN OF UPVC PIPE IS LESS THAN 900 BELOW FINISHED ROAD LEVEL, PIPE SHALL BE PROTECTED WITH A CONCRETE BED & SURROUND.
- WHERE CROWN OF UPVC OR VC PIPE IS LESS THAN 600mm BELOW FINISHED LANDSCAPE LEVEL, PIPE SHALL BE PROTECTED WITH A CONCRETE BED & SURROUND.
- PCC MANHOLE COMPONENTS (INCLUDING BASE, MANHOLE RINGS, COVER SLABS & CONCRETE SURROUND) SHALL PROVIDE CLASS 3 SULPHATE RESISTANCE TO BRE SPECIAL DIGEST 1.
- ALL 90° CONNECTIONS SHALL BE MADE USING A 45° EQUAL JUNCTION + 45° BEND AS APPROPRIATE.
- PIPES PASSING OVER FOUNDATIONS SHALL HAVE PCC LINTELS OVER. PIPES PASSING THROUGH FOUNDATIONS SHALL BE APPROPRIATELY SLEEVED.
- ALL FLOWS FROM EXISTING BUILDINGS SHALL BE MAINTAINED DURING CONSTRUCTION.
- ALL INTERNAL SVP/SR/RWP STACKS SHALL HAVE ACCESS FITTINGS PROVIDED ABOVE GROUND FLOOR LEVEL - REFER TO M&E CONSULTANTS' DRAWINGS FOR DETAILS.
- ALL EXCAVATIONS WITHIN TREE ROOT ZONES TO BE CARRIED OUT BY HAND (NO MACHINERY TO BE USED).
- THRESHOLD DRAINS SHALL BE PROVIDED AT EXTERNAL DOORS (EXCEPT WHERE LOCATED UNDER CANOPIES).
- FOR DRAINAGE DETAILS REFER TO DRG No's C13772-PER-ZZ-XX-DR-C-03001 & 03002
- GREEN ROOF DOWN PIPE LOCATIONS TO BE CONFIRMED BY ARCHITECT
- SVP LOCATIONS ARE INDICATIVE AND ARE TO BE CONFIRMED BY ARCHITECT

P2	PLANNING ISSUE	AR	22/11/2023	CJ
P1	PRELIMINARY ISSUE	AR	27/10/2023	CJ
Rev	Description	By	Date	Chkd



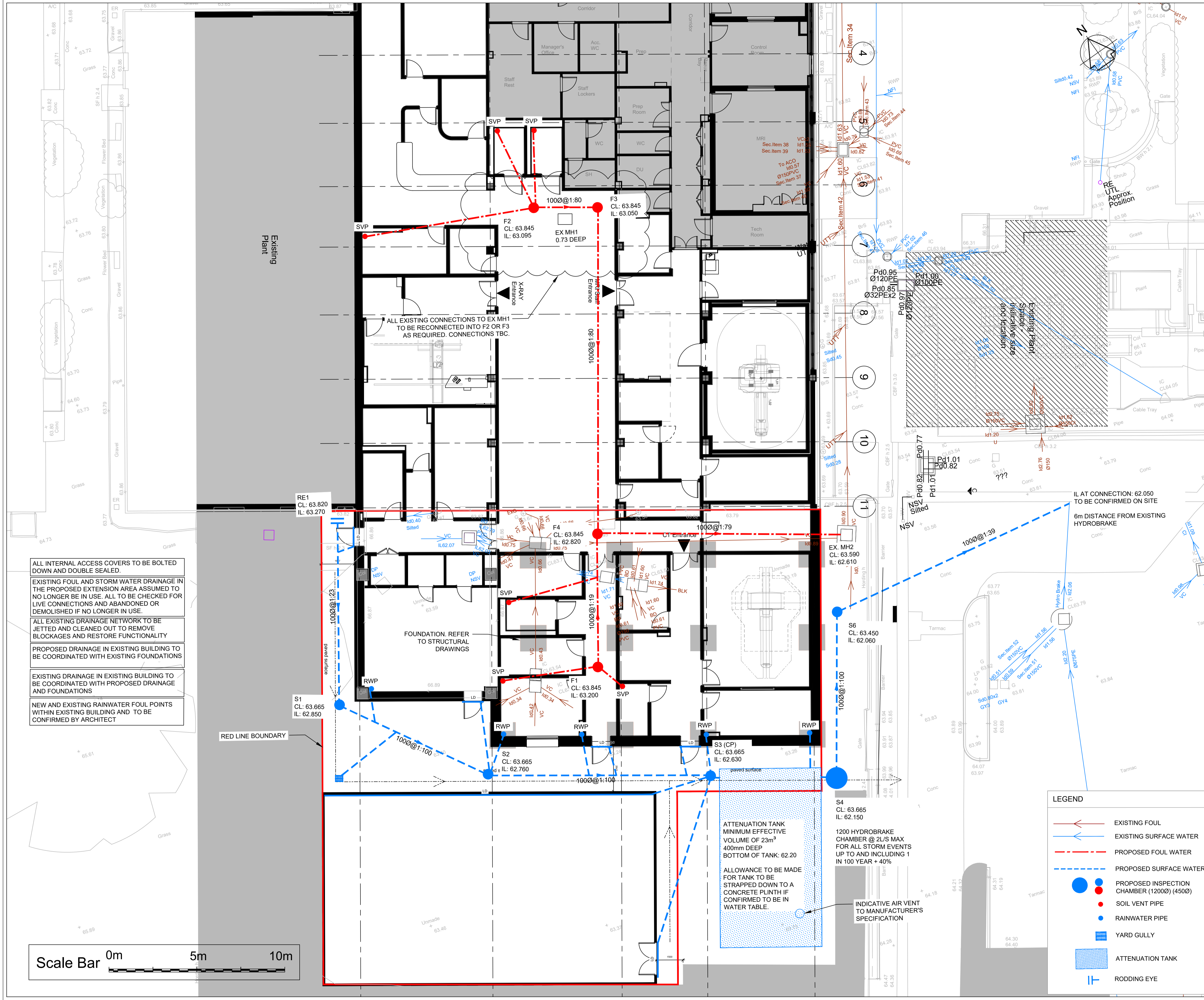
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Client: OXLEAS NHS FOUNDATION TRUST

Project: QUEEN MARY HOSPITAL CDC SIDCUP

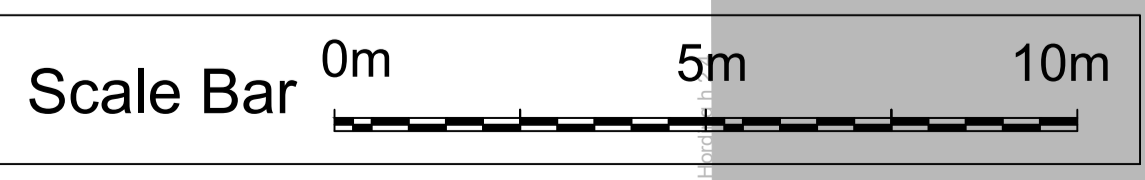
Title: PROPOSED DRAINAGE PLAN

Perega Project No.	Checked	Passed	Size	Scale		
C13772	CJ		A1	1:100		
Project Code	Originator	Zone	Level	Type	Role	Drawing No.
C13772	PER	ZZ	XX	DR	C	02001
Suitability Code	Status	Revision				
S2	PRELIMINARY	P2				



- ALL INTERNAL ACCESS COVERS TO BE BOLTED DOWN AND DOUBLE SEALED.
- EXISTING FOUL AND STORM WATER DRAINAGE IN THE PROPOSED EXTENSION AREA ASSUMED TO NO LONGER BE IN USE. ALL TO BE CHECKED FOR LIVE CONNECTIONS AND ABANDONED OR DEMOLISHED IF NO LONGER IN USE.
- ALL EXISTING DRAINAGE NETWORK TO BE JETTED AND CLEANED OUT TO REMOVE BLOCKAGES AND RESTORE FUNCTIONALITY
- PROPOSED DRAINAGE IN EXISTING BUILDING TO BE COORDINATED WITH EXISTING FOUNDATIONS
- EXISTING DRAINAGE IN EXISTING BUILDING TO BE COORDINATED WITH PROPOSED DRAINAGE AND FOUNDATIONS
- NEW AND EXISTING RAINWATER FOUL POINTS WITHIN EXISTING BUILDING AND TO BE CONFIRMED BY ARCHITECT

RED LINE BOUNDARY



ATTENUATION TANK
MINIMUM EFFECTIVE VOLUME OF 23m³
400mm DEEP
BOTTOM OF TANK: 62.20
ALLOWANCE TO BE MADE FOR TANK TO BE STRAPPED DOWN TO A CONCRETE PLINTH IF CONFIRMED TO BE IN WATER TABLE.

1200 HYDROBRAKE CHAMBER @ 2LS MAX FOR ALL STORM EVENTS UP TO AND INCLUDING 1 IN 100 YEAR + 40%

INDICATIVE AIR VENT TO MANUFACTURER'S SPECIFICATION

LEGEND

- EXISTING FOUL
- EXISTING SURFACE WATER
- PROPOSED FOUL WATER
- PROPOSED SURFACE WATER
- PROPOSED INSPECTION CHAMBER (1200Ø) (450Ø)
- SOIL VENT PIPE
- RAINWATER PIPE
- YARD GULLY
- ATTENUATION TANK
- RODDING EYE