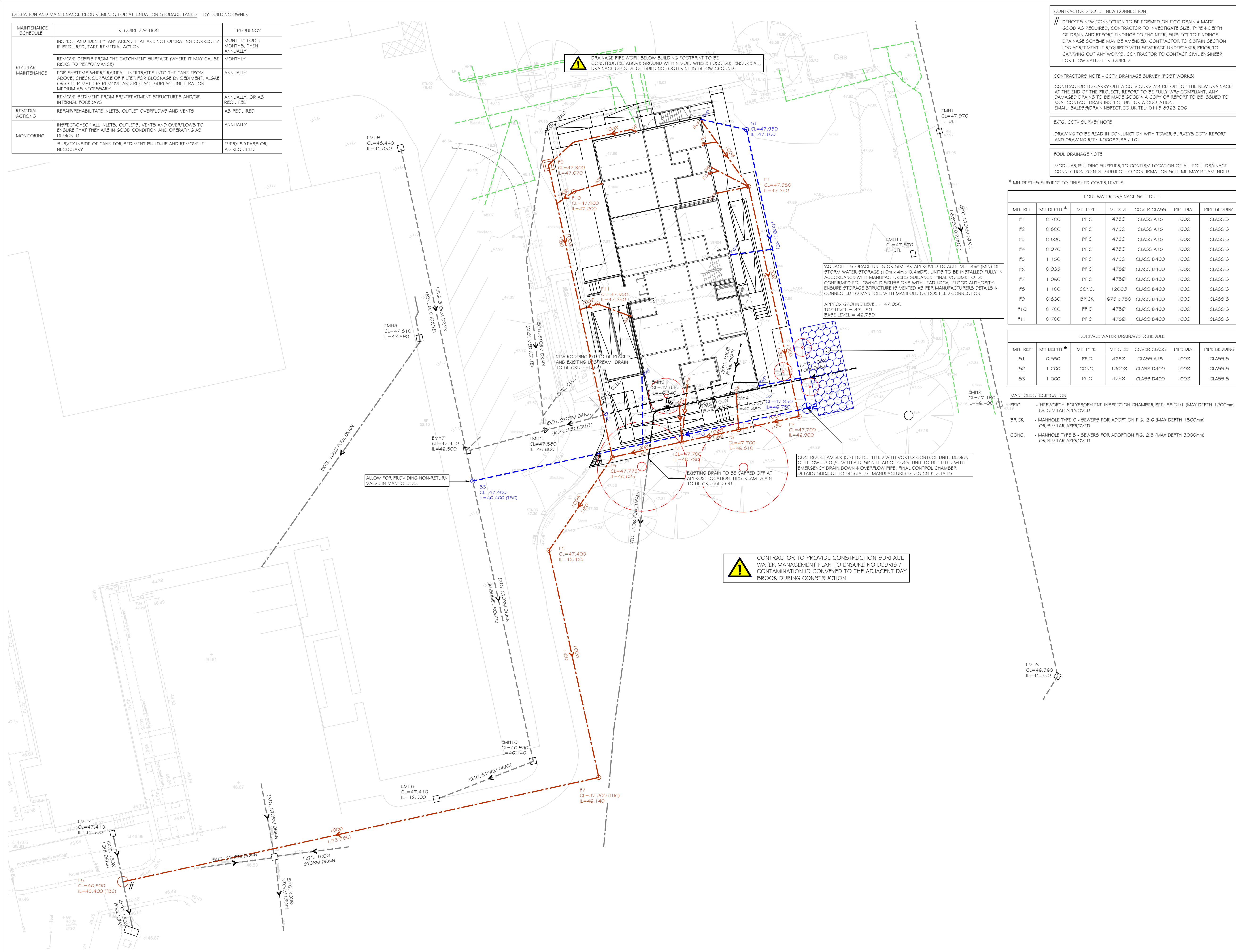


OPERATION AND MAINTENANCE REQUIREMENTS FOR ATTENUATION STORAGE TANKS - BY BUILDING OWNER

MAINTENANCE SCHEDULE	REQUIRED ACTION	FREQUENCY
REGULAR MAINTENANCE	INSPECT AND IDENTIFY ANY AREAS THAT ARE NOT OPERATING CORRECTLY. IF REQUIRED, TAKE REMEDIAL ACTION	MONTHLY FOR 3 MONTHS, THEN ANNUALLY
	REMOVE DEBRIS FROM THE CATCHMENT SURFACE (WHERE IT MAY CAUSE RISKS TO PERFORMANCE)	MONTHLY
	FOR SYSTEMS WHERE RAINFALL INFILTRATES INTO THE TANK FROM ABOVE, CHECK SURFACE OF FILTER FOR BLOCKAGE BY SEDIMENT, ALGAE OR OTHER MATTER. REMOVE AND REPLACE SURFACE INFILTRATION MEDIUM AS NECESSARY.	ANNUALLY
	REMOVE SEDIMENT FROM PRE-TREATMENT STRUCTURES AND/OR INTERNAL FOREBAYS	ANNUALLY, OR AS REQUIRED
REMEDIAL ACTIONS	REPAIR/REHABILITATE INLETS, OUTLET OVERFLOWS AND VENTS	AS REQUIRED
MONITORING	INSPECT/CHECK ALL INLETS, OUTLETS, VENTS AND OVERFLOWS TO ENSURE THAT THEY ARE IN GOOD CONDITION AND OPERATING AS DESIGNED	ANNUALLY
	SURVEY INSIDE OF TANK FOR SEDIMENT BUILD-UP AND REMOVE IF NECESSARY	EVERY 5 YEARS OR AS REQUIRED



CONTRACTORS NOTE - NEW CONNECTION

DENOTES NEW CONNECTION TO BE FORMED ON EXTG DRAIN & MADE GOOD AS REQUIRED. CONTRACTOR TO INVESTIGATE SIZE, TYPE & DEPTH OF DRAIN AND REPORT FINDINGS TO ENGINEER. SUBJECT TO FINDINGS DRAINAGE SCHEME MAY BE AMENDED. CONTRACTOR TO OBTAIN SECTION 106 AGREEMENT IF REQUIRED WITH SEWERAGE UNDERTAKER PRIOR TO CARRYING OUT ANY WORKS. CONTRACTOR TO CONTACT CIVIL ENGINEER FOR FLOW RATES IF REQUIRED.

CONTRACTORS NOTE - CCTV DRAINAGE SURVEY (POST WORKS)

CONTRACTOR TO CARRY OUT A CCTV SURVEY & REPORT OF THE NEW DRAINAGE AT THE END OF THE PROJECT. REPORT TO BE FULLY WRG COMPLIANT. ANY DAMAGED DRAINS TO BE MADE GOOD & A COPY OF REPORT TO BE ISSUED TO KSA. CONTACT DRAIN INSPECT UK FOR A QUOTATION. EMAIL: SALES@DRAININSPECT.CO.UK TEL: 0115 8963 206

EXTG. CCTV SURVEY NOTE

DRAWINGS TO BE READ IN CONJUNCTION WITH TOWER SURVEYS CCTV REPORT AND DRAWING REF. J-00037.33 / 101

FOUL DRAINAGE NOTE

MODULAR BUILDING SUPPLIER TO CONFIRM LOCATION OF ALL FOUL DRAINAGE CONNECTION POINTS. SUBJECT TO CONFIRMATION SCHEME MAY BE AMENDED.

* MH DEPTHS SUBJECT TO FINISHED COVER LEVELS

FOUL WATER DRAINAGE SCHEDULE						
MH. REF	MH DEPTH *	MH TYPE	MH SIZE	COVER CLASS	PIPE DIA.	PIPE BEDDING
F1	0.700	PPIC	4750	CLASS A15	1000	CLASS S
F2	0.800	PPIC	4750	CLASS A15	1000	CLASS S
F3	0.890	PPIC	4750	CLASS A15	1000	CLASS S
F4	0.970	PPIC	4750	CLASS A15	1000	CLASS S
F5	1.150	PPIC	4750	CLASS D400	1000	CLASS S
F6	0.935	PPIC	4750	CLASS D400	1000	CLASS S
F7	1.060	PPIC	4750	CLASS D400	1000	CLASS S
F8	1.100	CONC.	12000	CLASS D400	1000	CLASS S
F9	0.830	BRICK	675 x 750	CLASS D400	1000	CLASS S
F10	0.700	PPIC	4750	CLASS D400	1000	CLASS S
F11	0.700	PPIC	4750	CLASS D400	1000	CLASS S

SURFACE WATER DRAINAGE SCHEDULE						
MH. REF	MH DEPTH *	MH TYPE	MH SIZE	COVER CLASS	PIPE DIA.	PIPE BEDDING
S1	0.850	PPIC	4750	CLASS A15	1000	CLASS S
S2	1.200	CONC.	12000	CLASS D400	1000	CLASS S
S3	1.000	PPIC	4750	CLASS D400	1000	CLASS S

MANHOLE SPECIFICATION

- PPIC - HEPWORTH POLYPROPYLENE INSPECTION CHAMBER REF: SPIC1/1 (MAX DEPTH 1200mm) OR SIMILAR APPROVED.
- BRICK - MANHOLE TYPE C - SEWERS FOR ADOPTION FIG. 2.6 (MAX DEPTH 1500mm) OR SIMILAR APPROVED.
- CONC. - MANHOLE TYPE B - SEWERS FOR ADOPTION FIG. 2.5 (MAX DEPTH 3000mm) OR SIMILAR APPROVED.

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NOTES:

DO NOT SCALE. All dimensions to be checked / verified on site.

All drawings to be read in conjunction with Architects / Civil Engineers drawings & specification.

Drainage connections to sewers and making good to be in accordance with the latest edition Sewers for Adoption.

Any new connections, including the re-use of existing connections, to the public sewerage system will require a formal Section 106 agreement with the sewerage undertaker. The contractor / developer is responsible for obtaining Section 106 approval prior to carrying out any works. Engineer to be contacted for flow rates if required.

Drainage works to be in accordance with Building Regulations Part H.

The contractor must establish the line of the existing infrastructure drainage and all services prior to commencement of any new connection works.

Trenches within 1.0m of load bearing walls to be backfilled with designated concrete Gen 1 to at least the underside of the foundation. Where the distance is greater than 1.0m from the wall, concrete backfill should be to a level below the underside of the foundation equal to the distance from the wall to the near side of the trench less 150mm.

Pipes to be bedded in class 5 granular bed & surround where cover is 0.6m or greater in landscaping or where cover is 1.2m or greater in driveways & roads class A concrete bed & surround or concrete protection slab to be provided. See pipe bedding details.

All pipework to be vitrified clay to BS 65, BS EN 295

Contractor to carry out all necessary water testing of the drainage system prior to backfilling in order to satisfy himself of the adequacy of the workmanship.

Manhole cover levels are approximate only and may require some adjustment to suit actual ground & finished levels.

Internal building drainage to be detailed by Architect.

All external levels and threshold levels to be detailed by Architect / others.

All building drainage components to be Hephworth or similar approved by KSA.

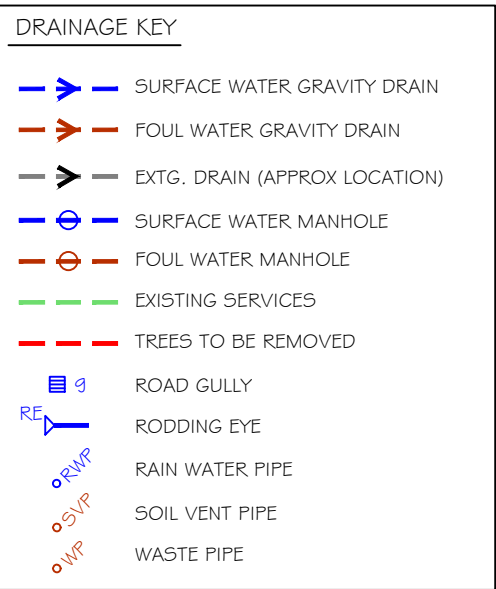
All drainage to be laid with level soffit connections.

Contractor to trial hole the existing services within the development prior to commencement of drainage works as necessary to satisfy himself of the line and level of any services.

Contractor to allow for the temporary diversion of the flows associated with the existing drainage system both on and off site, as required.

The Contractor should note that ground water may be encountered during the works and should therefore make adequate provisions.

Testing to be carried out on all drainage runs prior to handover & results to be issued to design team.



C2	30/11/23	FOUL DRAINAGE AMENDED	SR	NH
C1	28/11/23	CONSTRUCTION ISSUE	SR	NH
T2	17/08/23	UPDATED TO SUIT LLFA COMMENTS	SR	NH
T1	04/08/23	TENDER ISSUE	SR	NH
Rev	Date	Description	Drwn	Chkd



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NUH NHS TRUST

Project

MOBILITY MODULAR ANNEX - BUILDING 235
CITY CAMPUS
NOTTINGHAM

Drawing Title

DRAINAGE LAYOUT

Managing Engineer

NICK HUDSON

Scale

1:200

Date

JUL 23

Size

A1

Status

CONSTRUCTION

Dwg. No.

6240-DR-01

Rev.

C2