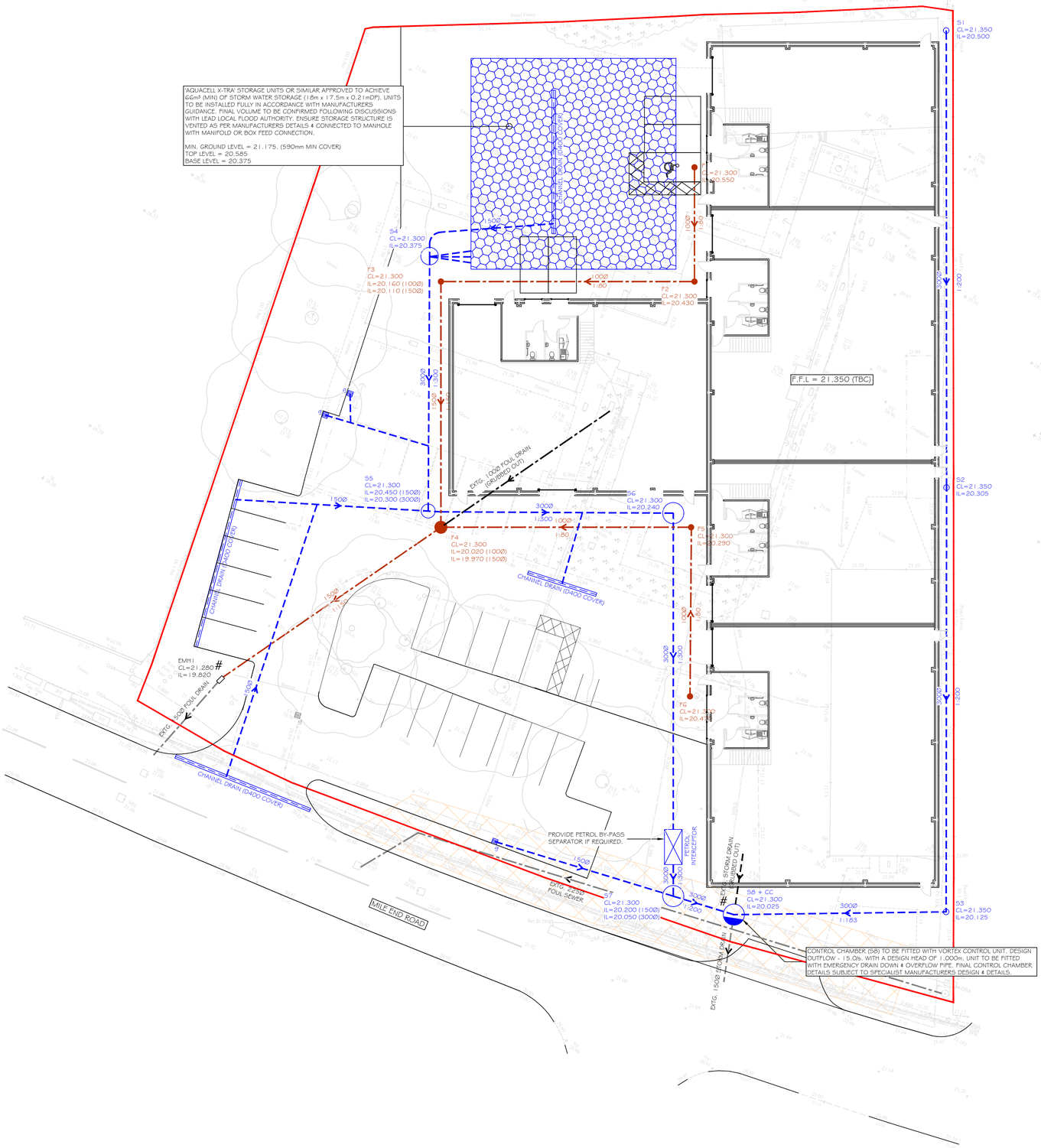

CONTRACTORS NOTE - NEW CONNECTION

# 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 (PRE WORKS)

CONTRACTOR TO CARRY OUT A CCTV SURVEY & REPORT OF THE EXTG. DRAINAGE AT THE START OF THE PROJECT. REPORT TO BE FULLY WRc COMPLIANT & 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

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 WRc 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

PROPRIETARY TREATMENT SYSTEM MAINTENANCE - BY BUILDING OWNER

MAINTENANCE SCHEDULE	REQUIRED ACTION	FREQUENCY
REGULAR MAINTENANCE	REMOVE LITTER AND DEBRIS AND INSPECT FOR SEDIMENT, OIL AND GREASE ACCUMULATION	SIX MONTHLY
	CHANGE THE FILTER MEDIA	AS RECOMMENDED
	REMOVE SEDIMENT, OIL, GREASE AND FLOATABLES	AS NECESSARY
REMEDIAL ACTIONS	REPLACE MALFUNCTIONING PARTS OR STRUCTURES	AS REQUIRED
MONITORING	INSPECT FOR EVIDENCE OF POOR OPERATION	SIX MONTHLY
	INSPECT FILTER MEDIA AND ESTABLISH APPROPRIATE REPLACEMENT FREQUENCIES	SIX MONTHLY
	INSPECT SEDIMENT ACCUMULATION RATES AND ESTABLISH APPROPRIATE REMOVAL FREQUENCIES	MONTHLY DURING FIRST YEAR OF OPERATION AND THEN 6 MONTHLY

ATTENUATION STORAGE TANKS MAINTENANCE - 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

PERMEABLE PAVING MAINTENANCE - BY BUILDING OWNER

MAINTENANCE SCHEDULE	REQUIRED ACTION	FREQUENCY
REGULAR MAINTENANCE	BRUSHING AND VACUUMING (STANDARD COSMETIC SWEEP OVER WHOLE SURFACE	ONCE A YEAR, AFTER AUTUMN LEAF FALL OR REDUCED FREQUENCY AS REQUIRED BASED ON OBSERVATIONS OF CLOGGING OR MANUFACTURERS RECOMMENDATION
OCCASIONAL MAINTENANCE	STABILISE AND MOW CONTRIBUTING AND ADJACENT AREAS	AS REQUIRED
	REMOVAL OF WEEDS OR MANAGEMENT USING GYPHOSPATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING	AS REQUIRED
REMEDIAL ACTIONS	REMEDIATE ANY LANDSCAPING WHICH, THROUGH VEGETATION MAINTENANCE OR SOIL SLIP, HAS BEEN RAISED TO WITHIN 50mm OF THE LEVEL OF THE PAVING.	AS REQUIRED
	REMEDIAL WORK TO ANY DEPRESSIONS OR RUTTING CONSIDERED DETRIMENTAL TO THE STRUCTURAL PERFORMANCE.	AS REQUIRED
	REHABILITATION OF SURFACE AND UPPER SUBSTRUCTURE BY REMEDIAL SWEEPING	EVERY 10 - 15 YEARS OR AS REQUIRED
MONITORING	INITIAL INSPECTION	MONTHLY OR 3 MONTHS AFTER INSTALLATION
	INSPECT FOR EVIDENCE OF POOR OPERATION AND/OR WEED GROWTH - IF REQUIRED, TAKE REMEDIAL ACTION	3 MONTHLY AND 48h AFTER LARGE STORMS
	INSPECT SILT ACCUMULATION RATES AND ESTABLISH APPROPRIATE BRUSHING FREQUENCIES	ANNUALLY
	MONITOR INSPECTION CHAMBERS	ANNUALLY

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 S granular bed & surround where cover is 0.6m or greater in landscaping or where cover is 1.2m or greater in driveways and road. Where cover is less than 0.6m in landscaping or less than 1.2m 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 Hepworth 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.

DRAINAGE KEY

- SURFACE WATER GRAVITY DRAIN
- FOUL WATER GRAVITY DRAIN
- EXTG. SEWER (APPROX LOCATION)
- EXTG. SEWER (GRUBBED OUT)
- SURFACE WATER MANHOLE
- FOUL WATER MANHOLE
- CHANNEL DRAIN
- ROAD GULLY
- SOIL VENT PIPE
- RAIN WATER PIPE
- SEWER EASEMENT

Rev	Date	Description	Drwn	Chkd
P5	25/10/23	SITE LAYOUT AMENDED	SR	NH
P4	17/10/23	SITE LAYOUT AMENDED	SR	NH
P3	12/09/23	SCHEME AMENDED	SR	NH
P2	10/02/23	SITE PLAN UPDATED	TB	NH
P1	01/02/23	PRELIMINARY ISSUE	TB	NH

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Web: www.ksastructures.co.uk

Client
RADFORD HOLDINGS

Project
PARK HOUSE
MILE END ROAD
COLWICK,
NOTTINGHAM

Drawing Title
DRAINAGE LAYOUT

Managing Engineer NICK HUDSON

Scale	Date	Size
1:200	FEB 23	A1

Status
PRELIMINARY

Drg. No.	Rev.
6142-DR-01	P5