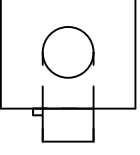







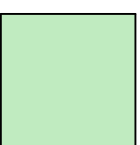
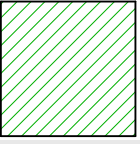
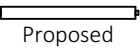



Heating & Mechanical Ventilation Key:

	New Gas Boiler Symbol denotes approximate location of new gas fired hot water boiler and extract. Heating and hot water will be supplied via a wall mounted condensing vertical balanced flue pressurised boiler with a minimum efficiency of 91% (as defined in EPR11). The energy performance of the new components to be assessed. The results should be recorded and given to the building owner. he system will be installed, commissioned, and tested by a GAS SAFE Registered Specialist and a certificate issued that the installation complies with the requirements of PART L. All work to be in accordance with the Local Water Authorities bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations.
	Extract to Shower Room Provide mechanical extract ventilation to shower room ducted to external air capable of extracting at a rate of not less than 15 litres per second. Vent to be connected to light switch and to have 15 minute overrun if no window in the room. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.
	Extract to Bath Room Symbol denotes approximate location of new extract. Bathroom to have mechanical vent ducted to external air to provide min 15 litres / sec extraction. Vent to be connected to light switch and to have 15 minutes overrun if no window in room. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.
	Extract to W.C. Symbol denotes approximate location of new extract. W/C to have mechanical ventilation ducted to external air with an extract rating of 15l/s operated via the light switch. Vent to have a 15min overrun if no window in room. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.
	Extract to Utility Room Symbol denotes approximate location of new extract. To utility room provide mechanical ventilation ducted to external air capable of extracting at a rate of 30 litres per second. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.
	Extract to Kitchen Symbol denotes approximate location of new extract. Kitchen to have mechanical ventilation with an extract rating of 60l/sec or 30l/sec if adjacent to hob to external air, sealed to prevent entry of moisture. Internal doors should be provided with a 10mm gap below the door to aid air circulation. Ventilation provision in accordance with the Domestic Ventilation Compliance Guide. Intermittent extract fans to BS EN 13141-4. Cooker hoods to BS EN 13141-3. All fixed mechanical ventilation systems, where they can be tested and adjusted, shall be commissioned and a commissioning notice given to the Building Control Body.
	Cold Water Supply Symbol denotes approximate location of new cold water outlets. To be installed to BS EN 806-4. Free from leaks and the audible effects of expansion, vibration, and water hammer. In locations where moisture is present or may occur, provide corrosion-resistant fittings/ fixings and avoid contact between dissimilar metals by use of suitable washers, gaskets, etc. Ensure to fix securely, parallel or perpendicular to the structure of the building as required.
	Hot Water Supply Symbol denotes approximate location of new hot water outlets. To be installed to BS EN 806-4. Free from leaks and the audible effects of expansion, vibration, and water hammer. In locations where moisture is present or may occur, provide corrosion-resistant fittings/ fixings and avoid contact between dissimilar metals by use of suitable washers, gaskets, etc. Ensure to fix securely, parallel or perpendicular to the structure of the building as required.
	Wet Underfloor Heating Symbol denotes location of new 'wet' underfloor heating system. Underfloor heating installation to be designed and specified as an integrated package by the system manufacturer to ensure compatibility of all the components. Pipework loops design, layout, and sizing of the system to be in accordance with BS EN 1264[1-5]. The most appropriate layout for a particular application should be confirmed by the system manufacturer. Maximum floor temperature to be 29°C, or 27°C where floor tiling or resilient floor is proposed in compliance with BS EN1264-2[1].
	Dry Underfloor Heating Symbol denotes location of new 'dry' underfloor heating system. Electric Cable Underfloor heating installation to be designed and specified as an integrated package by the system manufacturer to ensure compatibility of all the components. Circuit breaker protection to be in accordance with BS EN 60898[C or D]. The most appropriate layout for a particular application should be confirmed by the system manufacturer.
	Thermostatic Valve Radiator Symbol denotes location of new water filled radiators. Extend all heating and hot water services from existing and provide new TRVs to radiators. Heating system to be designed, installed, tested, and fully certified by a GAS SAFE registered specialist. All work to be in accordance with the Local Water Authorities bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations. The energy performance of the new components to be assessed. The results should be recorded and given to the building owner. All accessible pipes to be insulated to the standards in Table 4.4 Approved Document L.
	Towel Rail Symbol denotes location of new water filled towel radiators. Extend all heating and hot water services from existing and provide new TRVs to radiators. Heating system to be designed, installed, tested, and fully certified by a GAS SAFE registered specialist. All work to be in accordance with the Local Water Authorities bye laws, the Gas Safety (Installation and Use) Regulations 1998 and IEE Regulations. The energy performance of the new components to be assessed. The results should be recorded and given to the building owner. All accessible pipes to be insulated to the standards in Table 4.4 Approved Document L.

TENDER ISSUE

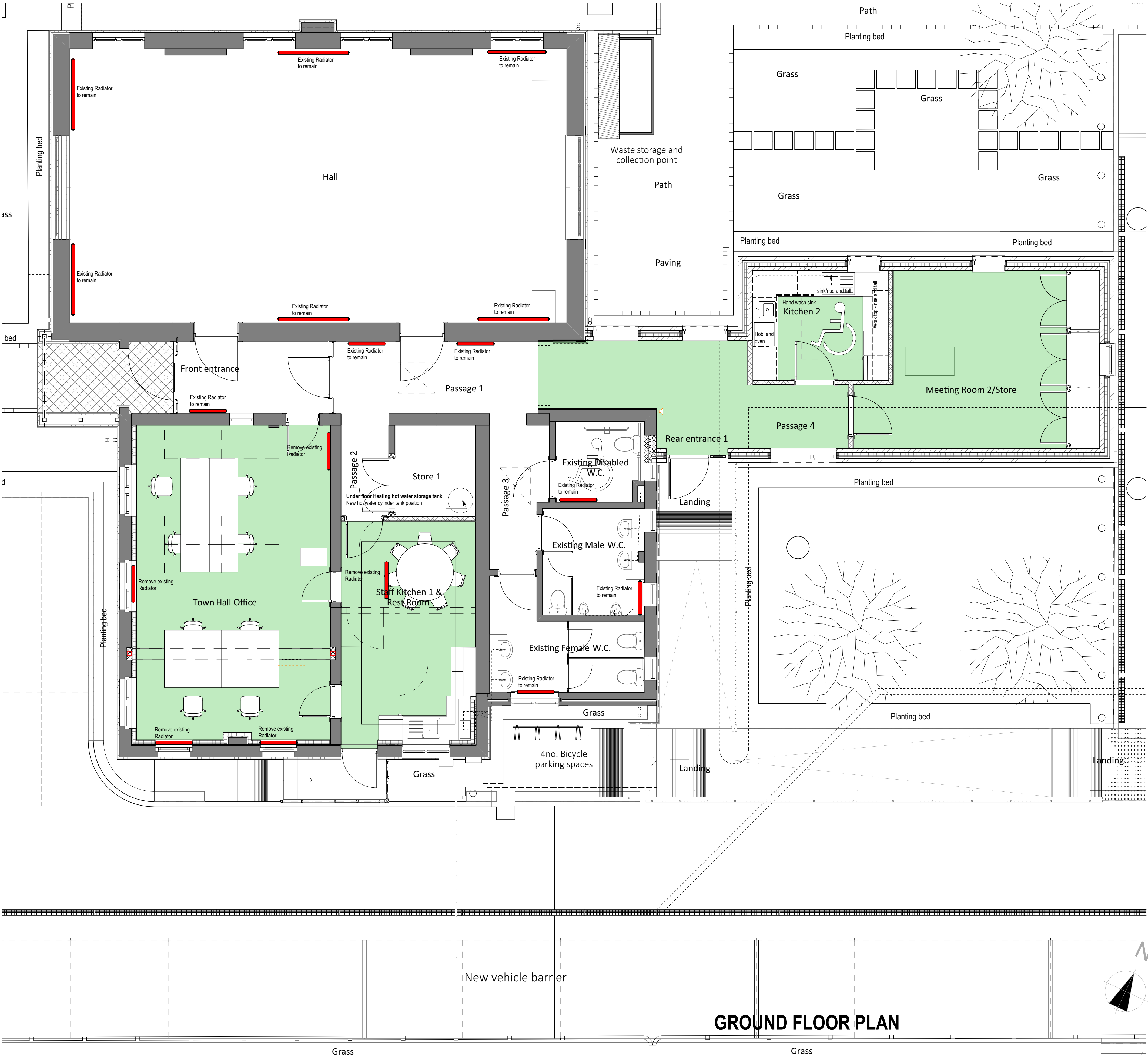
Rev B 10/07/2025 MVL Amended drawings for tender issue.
Rev A 20/06/2025 MVL Amended drawings following meeting with Client 06/06/2025

REVISIONS	ID	DATE	BY	COMMENTS
DRAWING TITLE				
Ground Floor Mechanical Plan.				
JOB				
Horley Town Council				
Horley Town Council 92 Albert Road Horley Surrey RH6 7HZ				
CLIENT				
Mr Sam Adeniji				
INSTIGATION DATE		SCALE	DRAWN BY:	CHECKED BY:
18th Feb 2025		1:50 @ A1	MVL	CVL
DRAWING No.			REVISION:	
L-1680-4-700				B



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GROUND FLOOR PLAN

Scale Bar @ 1:50



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