

**BELOW GROUND DRAINAGE NOTES**

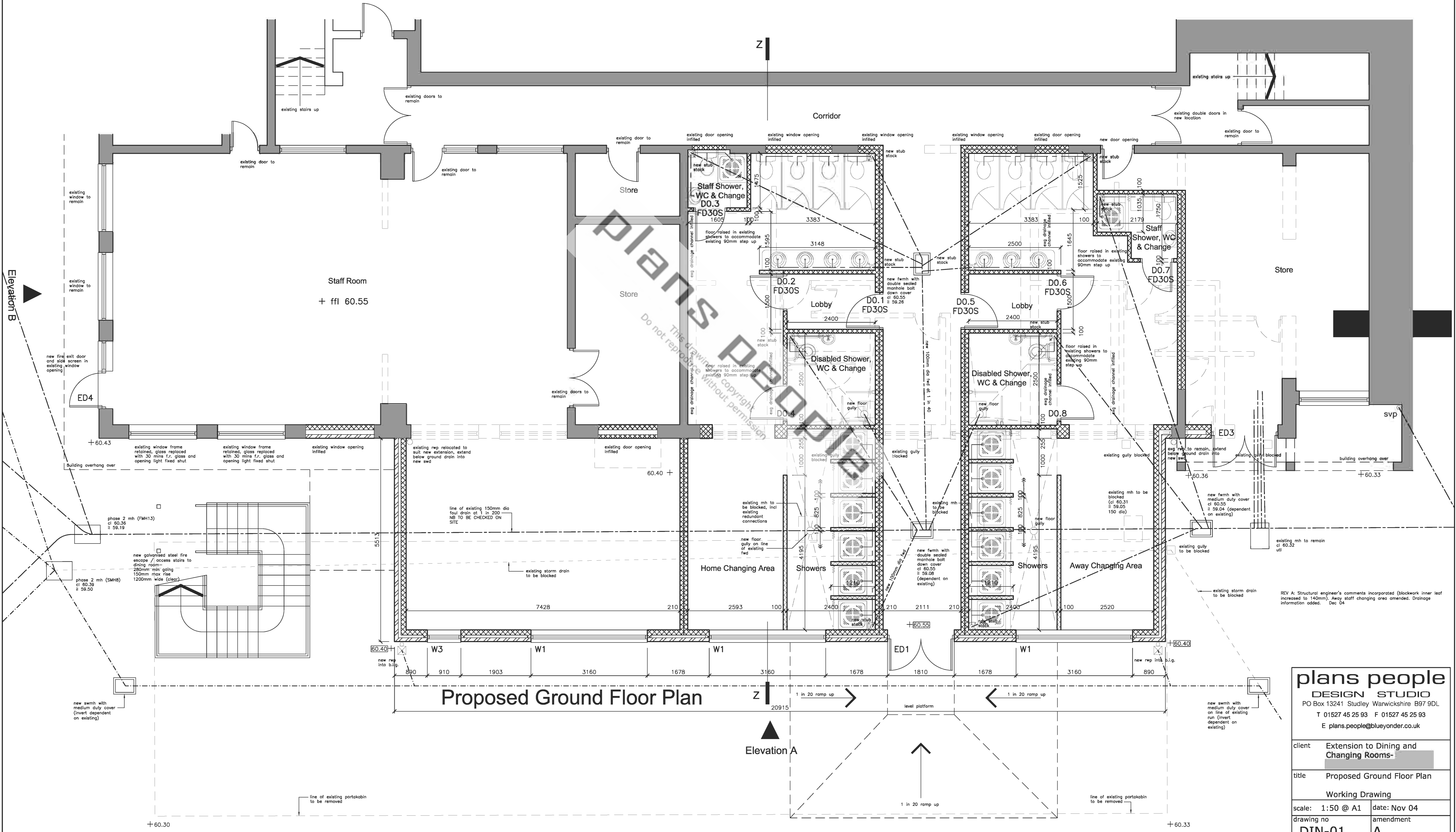
New below ground drainage to be min. 100mm dia Hepworth Superseve pipes or equal with flexible joints laid at self cleaning falls (min 1 in 40 where possible) in straight lines and even gradients. Where drains pass through or below foundations, provide a concrete fintel over line of drain run. All new pipework to be laid on a bed of 150mm pea gravel. Installation to be approved by the building inspector prior to backfilling. Pipes to be provided with a min cover of 600mm below hard standing. Where it is not possible to provide the minimum cover then protection to be provided by laying concrete paving slabs on 75mm granular material over the line of the drains or surrounding with concrete to a min thickness of 100mm, maintaining flexibility to all joints.

Manholes to be 215mm class B engineering brickwork or proprietary upvc type dependent on depth required and no. of connections. Manholes constructed in brickwork to be built off a 150mm concrete base with benching in 1:3 mix cement grout at a gradient of 22.5°. All covers and frames to be in cast iron, medium duty and double sealed and bolt down type where located internally.

**ABOVE GROUND DRAINAGE NOTES**

Provide 110mm dia upvc rwp's to new locations as shown on the drawings. New rwp's to be connected to a back inlet gully with rodding access as shown on the drawing.

All sanitary appliances to be trapped (min. 75mm trap), washbasin wastes to be not be less than 32mm dia, shower wastes 40mm dia and wc wastes 100mm dia. Connect in to new stub-stacks as shown on the drawings. Stub-stacks to be encased in 15mm Fireline plasterboard and skim on 38x38mm treated saw battens with void packed with mineral wool insulation. Stub-stacks to have rodding points at base and casings to have corresponding access panels built in. NB PROPOSALS ASSUME ALL NEW STACKS DO NOT NEED TO TERMINATE IN FRESH AIR - THIS IS TO BE CHECKED ON SITE AND DISCUSSED AND AGREED WITH THE BUILDING INSPECTOR.



**Proposed Ground Floor Plan**

REV A: Structural engineer's comments incorporated (blockwork inner leaf increased to 140mm). Away staff changing area amended. Drainage information added. Dec 04

**plans people**  
 DESIGN STUDIO  
 PO Box 13241 Studley Warwickshire B97 9DL  
 T 01527 45 25 93 F 01527 45 25 93  
 E plans.people@blueyonder.co.uk

client	Extension to Dining and Changing Rooms-		
title	Proposed Ground Floor Plan		
	Working Drawing		
scale:	1:50 @ A1	date:	Nov 04
drawing no	DIN-01	amendment	A