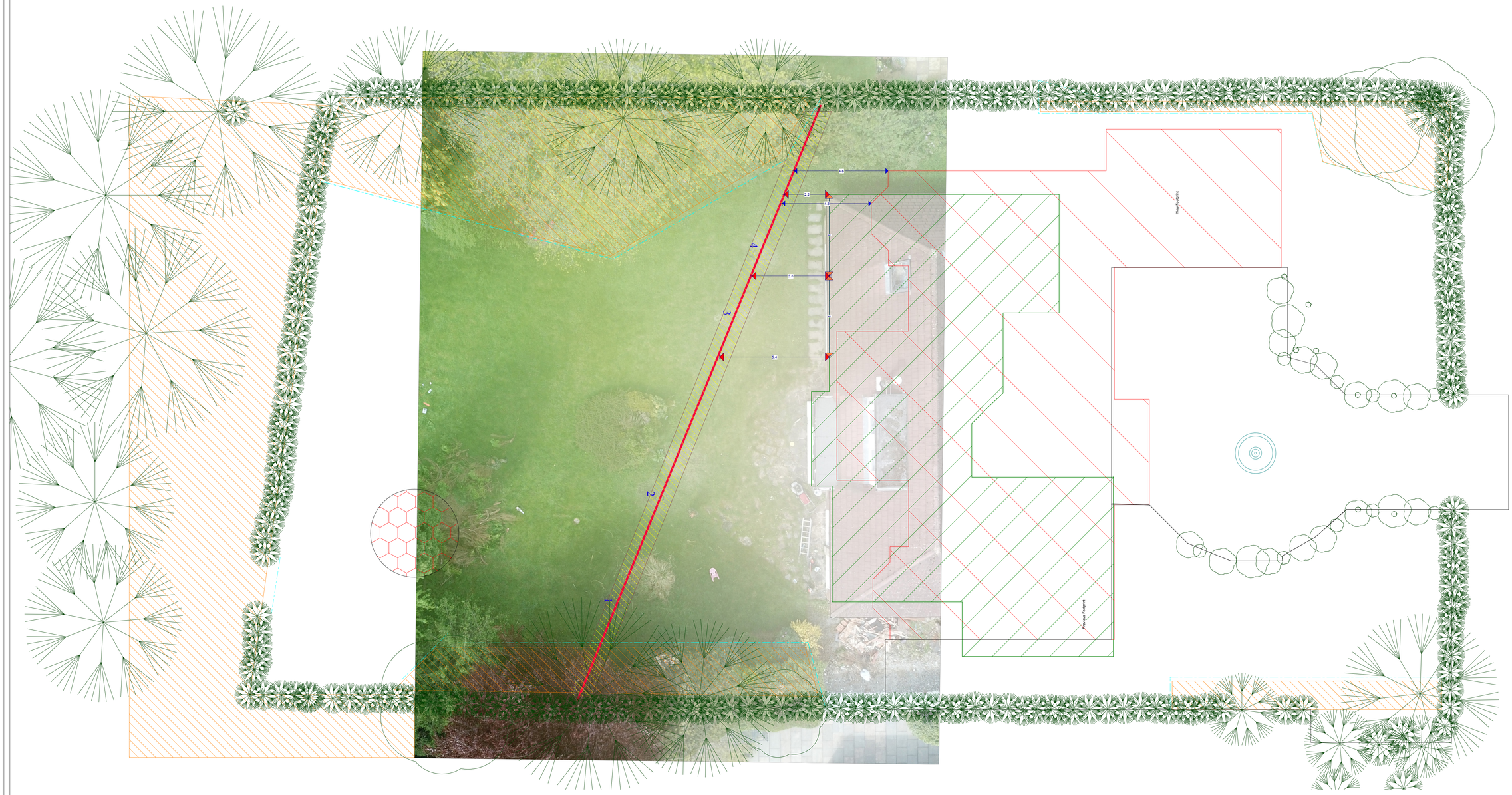


	Existing Building Location
	Proposed Building Location
	Builders Exclusion Zone
	Culvert Location
	Heras Protection Fencing
	Culvert Ground Protection Mat

Objective
The objective would be to protect the culvert from potential harm and movement whilst the demolishment of the existing dwelling and construction of the new proposed building. The most likely scenario of damage occurring would be by heavy materials falling on the ground or machinery over the culvert.

Culvert Information
The culvert location is marked using a Solid Red line on the plan. Fencing is seen as not reducing the risk enough on the area around location 4 as it is close to the existing building, it does not leave enough suitable space for the workforce to operate. The culvert has a 150mm Diameter and is mainly 400mm depth underground.

Solution
Culvert Ground Protection mat seems to give the required protection. Marked on the plan with Yellow Hatch angles across the placement location. The technical spec of each Heavy Duty Ground Protection Mat should be:
Environmental Information: 100% recycled and recyclable. Weather proof, water and chemical resistant, usable in sub-zero temperatures. HD Polyethylene is resistant to acids, alkalis and solvents.
Length: 2.4m
Thickness: 12mm
Weight: 35kg
Width: 1.2m
Safe Working Load: 80t

The mats would also be a exclusion zone for the storage of plant, machinery and materials.

REVISION TABLE
NUMBER	DATE	REVISED BY	DESCRIPTION

SHEET TITLE:
CULVERT PROTECTION

PROJECT DESCRIPTION:
29 GERNHILL AVENUE
HUDDERSFIELD
HD2 2HR

DRAWINGS PROVIDED BY:
MOHAMMED IQBAL

DATE:
23/06/2021

SCALE:
1:100@A1

SHEET:
C-1