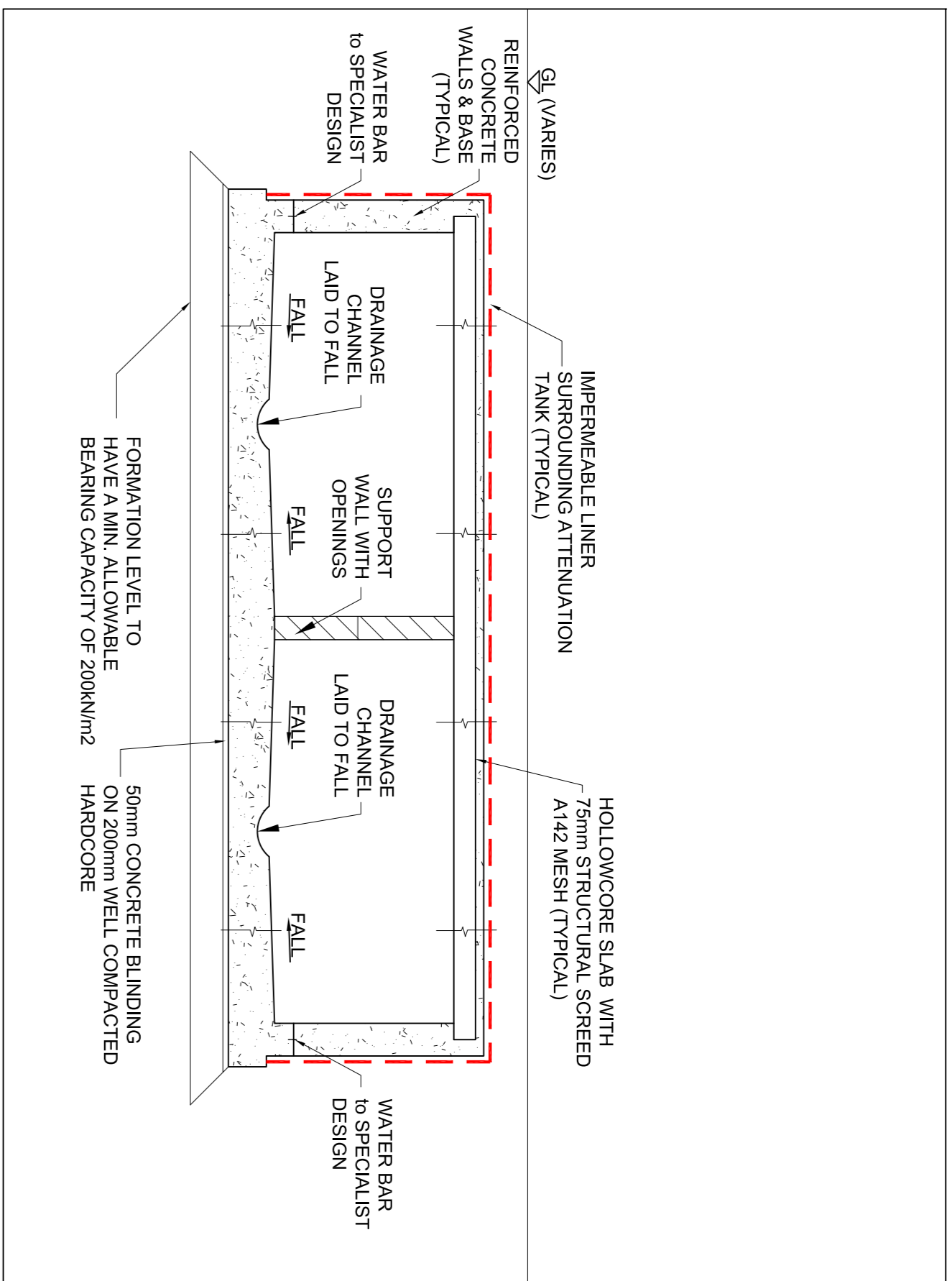
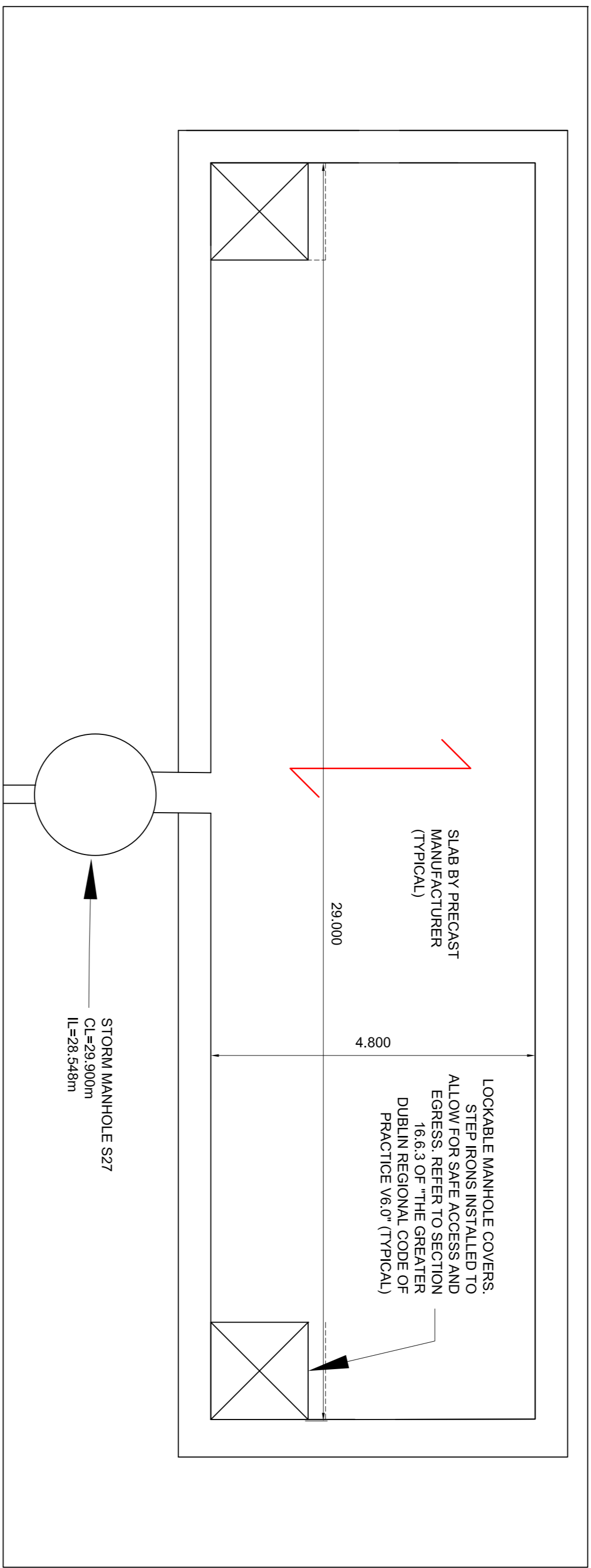


ATTENUATION SYSTEM 4 - KEY PLAN
SCALE: 1:250

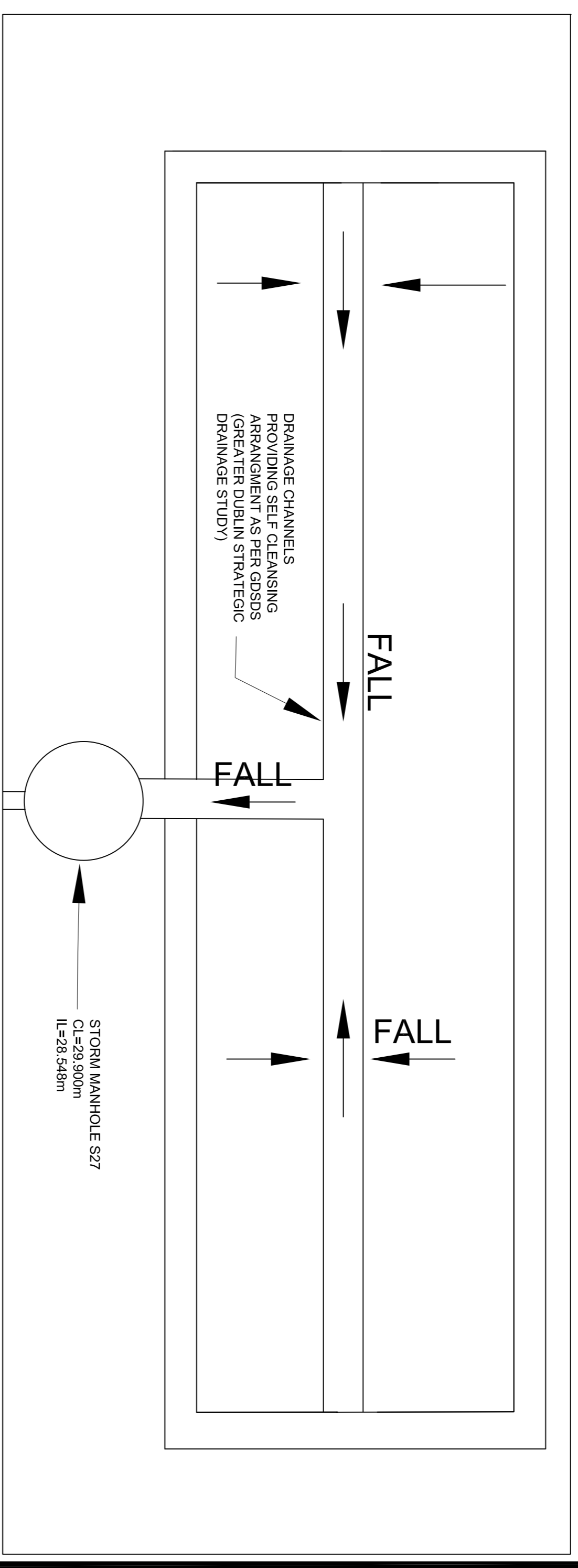


SECTION THROUGH ATTENUATION TANK (TYPICAL)
SCALE: 1:50

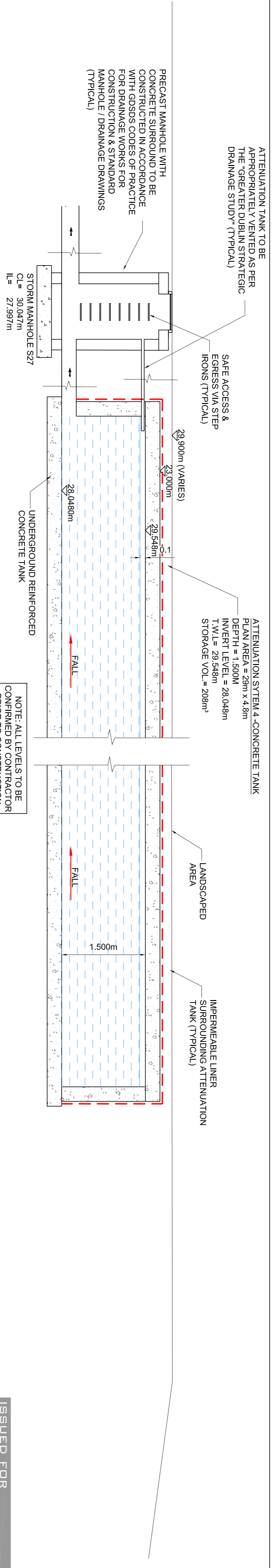
- NOTES:**
1. LOCKABLE MANHOLE COVERS SHALL BE INSTALLED AT EITHER END OF ATTENUATION TANKS AND SHOULD ALLOW FOR SAFE ACCESS AND EGRESS VIA STEP IRONS.
 2. IN ORDER TO ISOLATE AND CARRY OUT MAINTENANCE OF THE TANKS, APPROVED FLOW CONTROL VALVE (OR SIMILAR APPROVED) SHALL BE INSTALLED ON THE OUTFALL MANHOLE ON THE UPSTREAM END OF THE MANHOLE.
 3. FOR GRAVITY SYSTEMS A HYDROBREAK (OR SIMILAR APPROVED FLOW CONTROL DEVICE) SHALL BE INSTALLED IN THE LAST MANHOLE.
 4. THE DESIGN APPROACH OF AN UNDERGROUND TANK SHOULD BE TO MINIMISE THE NEED FOR ENTRY BY INCLUSION OF SELF-CLEANSING ARRANGEMENTS.
 5. THE TANKS WOULD BE REGARDED AS CONFINED SPACES WITH ATTENDANT HEALTH AND SAFETY REQUIREMENTS. STRUCTURES WOULD THUS NEED TO BE DESIGNED TO WITHSTAND FULL DESIGN WATER HEIGHT FOR SAFE MAN ENTRY.
 6. AS WELL AS INSPECTION FOR WATER TIGHTNESS, ALL STRUCTURES INTENDED TO RETAIN WATER FOR LONG PERIODS, SUCH AS SUMPS, INTERCEPTORS & TANKS, SHALL BE WATER TESTED TO CONFIRM TO MEASURABLE LOSS OF WATER & EXTERNAL SIGN OF LEAKAGE.



ATTENUATION TANK ROOF PLAN
SCALE: 1:50



ATTENUATION TANK FLOOR PLAN
SCALE: 1:50



GENERAL SCHEMATIC OF CONCRETE TANK
SCALE: 1:50

ISSUED FOR PLANNING

DIMENSIONS

Figured dimensions only to be taken from this drawing. All dimensions to be checked on site. Architects to be informed immediately of any discrepancies before work proceeds.

LEGEND

- SELF-CLEANSING DRAINAGE CHANNEL
- BLOCKWORK
- CONCRETE
- IMPERMEABLE LINER

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REV	DATE	DETAILS
A	09/11/19	Issued for SHD planning application

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CLIENT	Claregrove Developments Ltd	TITLE	Malahide SHD Typical Attenuation Details
PROJECT	Residential SHD Development Clarehall, Malahide Rd, Dublin	SCALE	As Shown @ A1
DRAWN BY:	MS	DATE	Nov. 2019
CHECKED BY:	MS	DRAWING No.	J19-002 008
REV	A	DOB	MS