A3

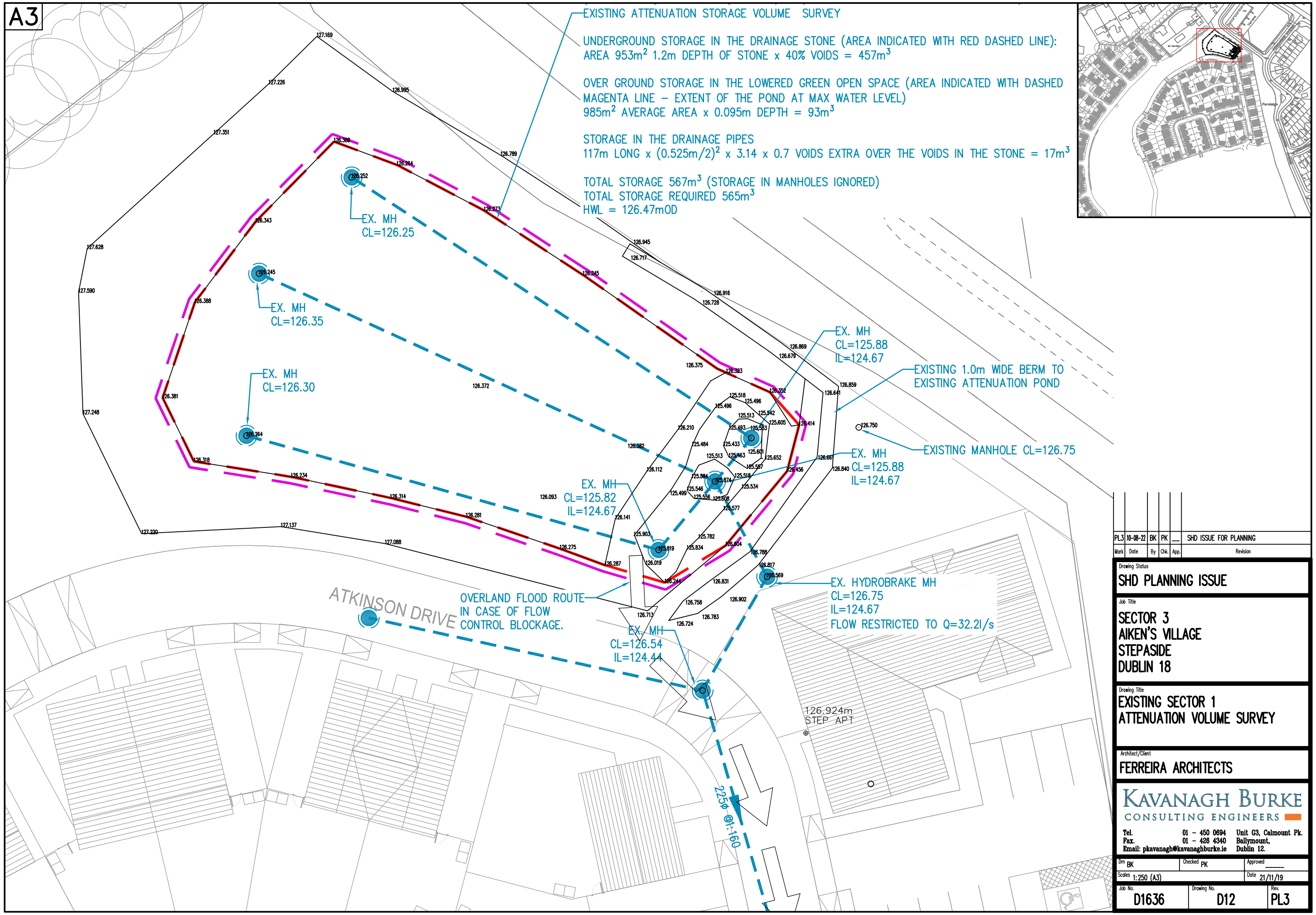
EXISTING ATTENUATION STORAGE VOLUME SURVEY

UNDERGROUND STORAGE IN THE DRAINAGE STONE (AREA INDICATED WITH RED DASHED LINE):
AREA 953m$^2$ 1.2m DEPTH OF STONE x 40% VOIDS = 457m$^3$

OVER GROUND STORAGE IN THE LOWERED GREEN OPEN SPACE (AREA INDICATED WITH DASHED MAGENTA LINE – EXTENT OF THE POND AT MAX WATER LEVEL)
985m$^2$ AVERAGE AREA x 0.095m DEPTH = 93m$^3$

STORAGE IN THE DRAINAGE PIPES
117m LONG x (0.525m/2)$^2$ x 3.14 x 0.7 VOIDS EXTRA OVER THE VOIDS IN THE STONE = 17m$^3$

TOTAL STORAGE 567m$^3$ (STORAGE IN MANHOLES IGNORED)
TOTAL STORAGE REQUIRED 565m$^3$
HWL = 126.47mOD




| Mark | Date | By | Chk. | App. | Revision |
|---|---|---|---|---|---|
| PL3 | 10-08-22 | BK | PK | __ | SHD ISSUE FOR PLANNING |

Drawing Status
**SHD PLANNING ISSUE**

Job Title
**SECTOR 3**
**AIKEN'S VILLAGE**
**STEPASIDE**
**DUBLIN 18**

Drawing Title
**EXISTING SECTOR 1**
**ATTENUATION VOLUME SURVEY**

Architect/Client
**FERREIRA ARCHITECTS**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| BK | PK | ____ |

Scales 1:250 (A3) Date 21/11/19

| Job No. | Drawing No. | Rev. |
|---|---|---|
| D1636 | D12 | PL3 |