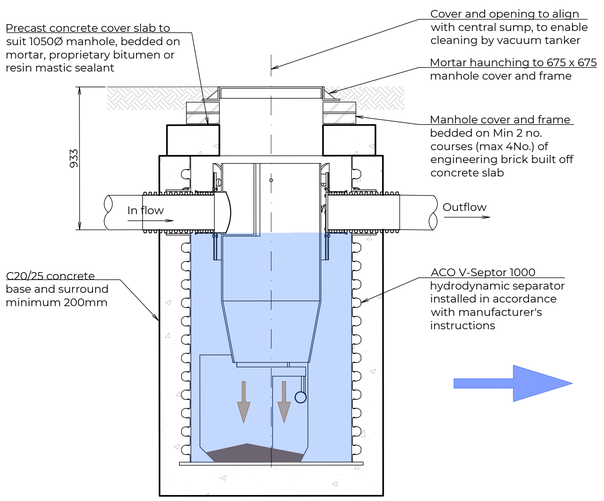
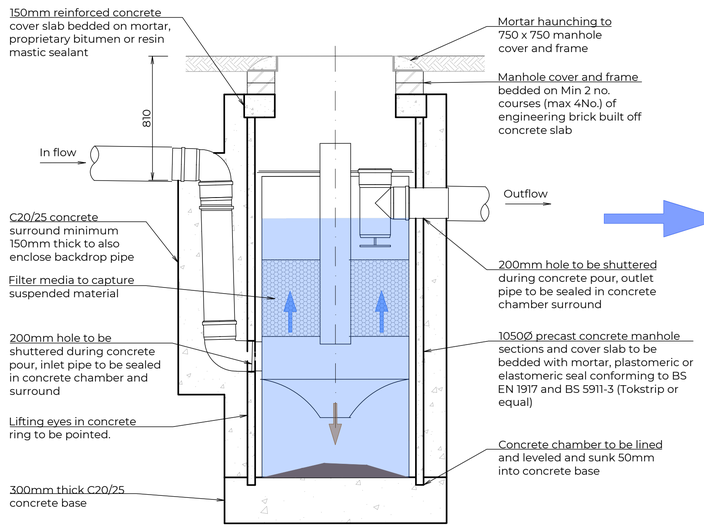


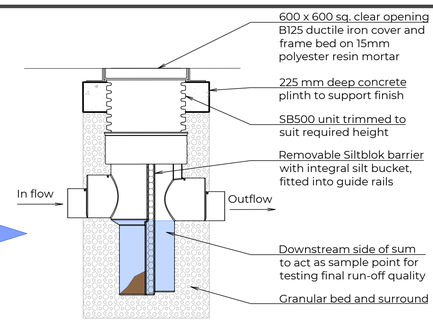
SECTION THROUGH ACO V-SEPTOR 1000 SEPARATOR
1:20

FILTRATION TRAIN - STAGE 1 TREATMENT



SECTION THROUGH ACO QUADRACEPTOR - RAINWATER RUN-OFF FILTER
1:20

FILTRATION TRAIN - STAGE 2 TREATMENT



TURTLE ENVIRO SILT BLOK 500
1:20

FILTRATION TRAIN - STAGE 3 TREATMENT

STRATEGY & TREATMENT TRAIN

Waste burning is carried out in accordance with *Chemring Countermeasures* established burn procedures. These procedures use barrels to control burning of pyrotechnic and non-pyrotechnic waste, associated with weapons manufacture. All burnt residue is collected and disposed off-site under separate procedure. No washing down or dampening of fires is permitted.

Tailored control measures will ensure that any run-off from the concrete slab will be clean rainwater, with no contaminates from burnt residue as a result of the waste disposal procedure.

To mitigate pollution into the ground the proposed treatment train uses 4 stages to capture solids and pollution:

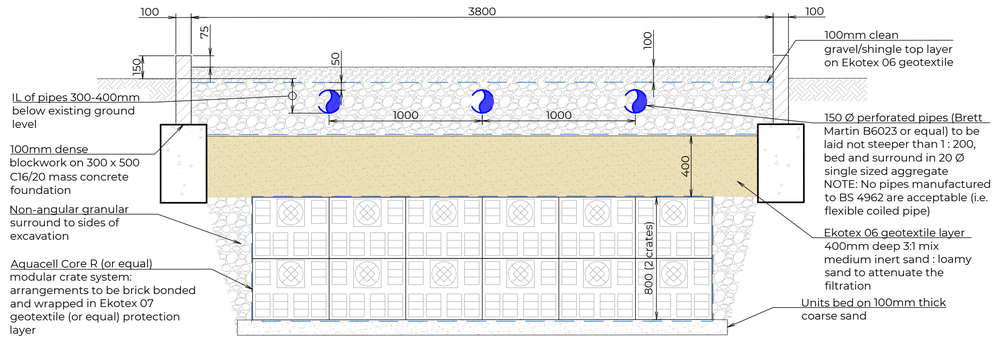
Stage 1
A hydrodynamic separator to remove solids (ACO V-Septor)

Stage 2
A separator and filtration unit to remove solids and filter finer particles (ACO Quadraceptor)

Stage 3
A final silt chamber with integrated macro/micro porous plastic filter screen (SiltBlok 500)

Stage 4
Dispersal via drainage field, comprising perforated pipes at high level, bed with 20mm granular surround on geotextile, over a layer of sandy loam filter on geotextile

Final dispersal to ground is via geocellular crate soakaways placed under the drainage field.



SECTION 1-1
DRAINAGE FIELD DISPERSAL & FILTRATION OVER CRATE STORAGE
1:20

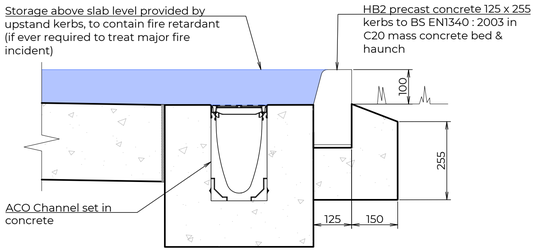
FILTRATION TRAIN - FINAL STAGE TREATMENT

PLASTIC IC BASE LAYOUT PRICIPLES
1 : 20

POLYPROPYLENE IC
450Ø IN SOFT LANDSCAPE
1 : 20

PRIVATE DRAINAGE
CLASS S BEDDING
1:20

TURTLE ENVIRO AIC450225B
1 : 20



SECTION 2-2
UPSTAND KERB BUNDING DETAIL
1 : 10

(millimetres)
0 200 400 600 800 1000
1:20

(millimetres)
0 100 200 300 400 500
1:10

REV	DATE	REVISIONS	REV BY	CHK BY
P3	05/01/24	Preliminary issue for approval	CW	PF
		Scale Bars added		
P2	12/10/23	Amended to reflect drainage statement	CB	PF
P1	22/9/23	First Issue	CB	PF

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awa ANDREW WARING ASSOCIATES
CONSULTING STRUCTURAL AND CIVIL ENGINEERS
(01794) 524447
mail@awaengineers.com
www.awaengineers.com

ARCHITECT: Architect
CLIENT: REKAN
JOB TITLE: CHEMRING, HIGHPOST, SALISBURY
DRG TITLE: WASTE PYROTECHNIC MATERIAL DETONATION AND DISPOSAL FACILITY DRAINAGE DETAILS
STATUS: PRELIMINARY
DRG NO: 12928-101
REV: P3
SCALE: 1:20 & 1:10 @ A1
DATE: SEPT 2023
DRAWN BY: CJB
CHECKED BY: CB