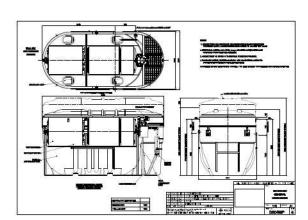
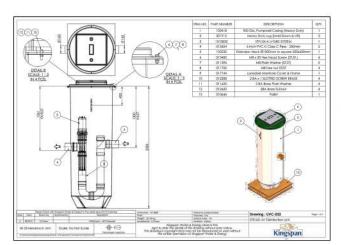


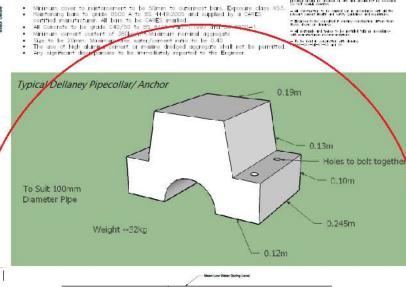
SECTION B-B 1:100



Klargester NG Biodisc Treatment Plant



Klargester UVC-032 Chamber



Delaney pipecollar

TYPICAL OUTFALL DETAIL 1:50

GENERAL NOTES

- All Excavations must be Caujed out under an Archaeological watching brief.
 The proposed works are located adjacent to a scheduled monument. The proposed works must not encroach on the scheduled are willforwapper permission.
- encrozor on the scheduled area withou agrof permission. The site is within an area with Protective spectros, <u>Bellifal</u>, slow worm). The slow worm habitat is long vegetation and crevices into a not in each return rotting vegetation, tree stumps, and rocks. Open mown amenity grassland is not generally a habitat that is attractive to them. It is an offence to intentionally or recklessly kill or injure a slow worm or other amphibian. The works area should be checked before works commence just in case there is one present. There is a possibility that one may be basking on open stonework or more likely, hiding under something - sheet materials like corrugated iron are often left on the ground in slow worm habitat areas to attract them so they can be studied. Open trenches left overnight should also be checked in the morning in case something has fallen in and can't escape. Should a slow worm, or any other amphibian like a frog or toad, be found, it should be allowed to move to a more suitable habitat, or lifted using gloves, put in a bucket and moved to an area of long grass away from the work area, or seek further advice from a suitably qualified person if required. The works area, any sheet materials or open trenches should be checked before works commence on a daily basis by the works staff or contractors.

 The outfall is located within a shellfish water protection area. The contractor must ensure appropriate
- measures are in place to prevent pollutants entering the bay during the works. The contractor must comply with the SEPA licence and all regulatory guidelines.

Archaeology / Anticipated Work Methodology:

Outfall to be 300mm above seabed to

prevent siltation along with clean

broken stone protection.

Concrete Reinforceement Notes:

- Stripping the turf under archaeological watching brief with the archaeologists monitoring where we have reached the previous septic tank install cut.
 Following the previous distributance and removing the septic tank. This will be done by a backhoe
- excavator sitting on ground protection mats adjacent to the septic tank, with the machine collapsing the tank walls into itself and then the debris being lifted out for onward disposal. Spoil to be used in backfill will be kept separate on geotextile membrane adjacent to the working area.

 3. The footprint of the treatment plant and UV unit will then be marked out and excavated by machine
- The too-plant is that relationary parameters are the second of the secon at depth will be kept to a minimum.
- 4. Note that the install of the new treatment units will likely cause fresh ground distrubance around the area of the tank, but this is the least interventionist approach and will carried out under archaeological supervision. 5. We are anticipating an element of bedrock removal, although we do not know the depth where this may be
- enconneted.

 An element of micrositing will be allowed for, should the archaeological work encounter significant in-cru archaeological features or deposits.

 The resament plant and UV unit will be delivered to site and lifted into place using a telehandler.
- running on ground protection mats. Spoil removed from the excavation will then be used to backfill, with excess material used to grade the ground surface surrounding the infrastructure.

 8. The same approach of stripping the furf, identifying the previous disturbance, re-excavating the service

trench under an archaeological watching brief will occur over the abandoned Scottish Water pipe to form the new pipe routes allowing for manhole, and inspection chamber as per the engineers drawings.



Delaney low-profile pipecollar

Excavation for installment of propodrainage line, treatment plan, UV

HDPE Pipe

SECO.

Siting and they are release with contrast of the contra

 A contractor to be considered in proordings with all the release names Health and servey publishes and regulators. - Braining to be completed to entirely construction of the from these above on shortings.

- Chamber and IC Working near road Existing services Abandoned SW pipe
- Coastal works/Tidal conditions

SMC / TENDER

DUNSTAFFNAGE CASTLE PROPOSED DRAINAGE SYSTEM

ENVIRONMENT EACHDRAIDHEIL SCOTLAND ALBA

PIC065-2021-CE-04 AS SHOWN

K.A/A.K 20.09.2022 A KAMARUDDIN