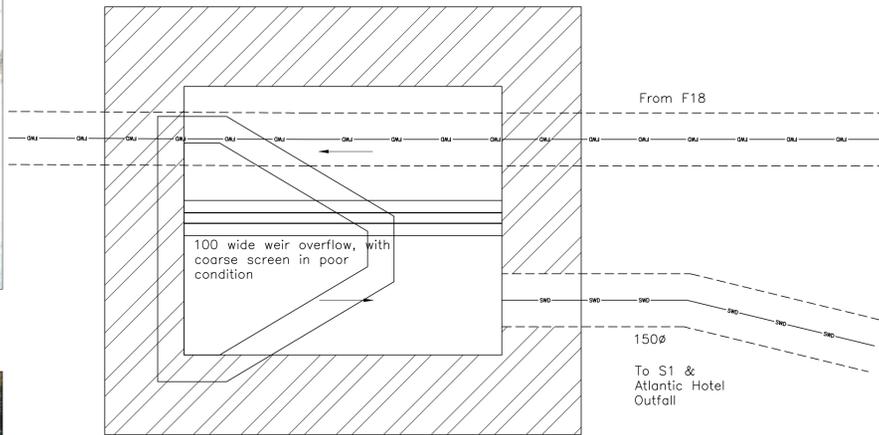




Rectangular MH
Approx 800x900
Triangular HD CI cover and frame



EXISTING ARRANGEMENT
1:10

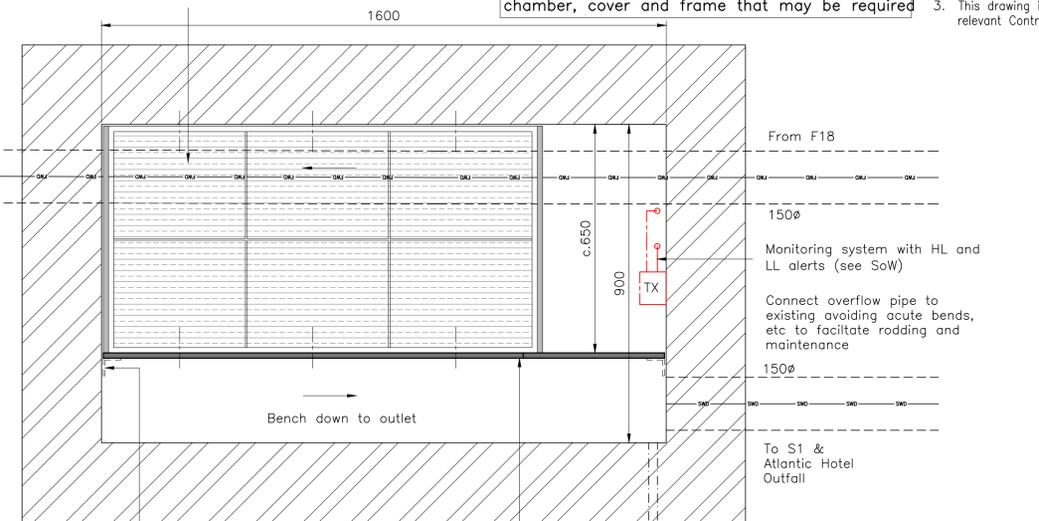
EXISTING PLAN
1:10

Proprietary Upward Flow CSO screen with quick release system with upstream emergency weir overflow and incorporating flow modifying baffles
As SoW B30/040

Chamber dimensions and general arrangement have been detailed to accommodate a proprietary screen and overflow weir. Alternative proprietary screens may be proposed meeting the performance requirements specified, but must allow for any necessary amendments to the chamber, cover and frame that may be required

NOTES:

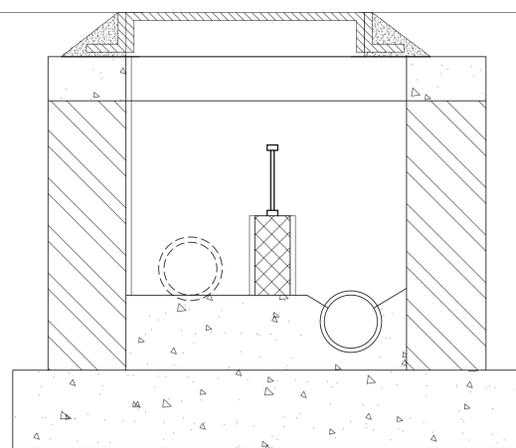
1. Do not scale, check all dimensions and details before commencement.
2. IF IN DOUBT ASK.
3. This drawing is to be read in conjunction with all other relevant Contract Documents.



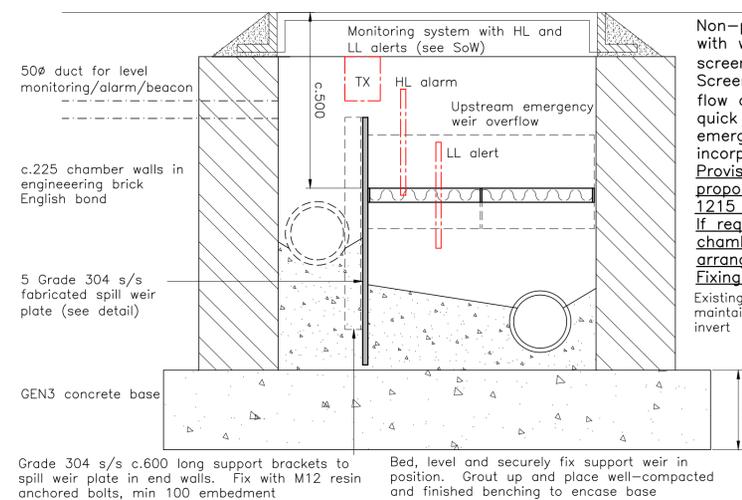
Grade 304 s/s c.600 long angle bracket to fix plate to end walls
Grade 304 s/s spill weir plate as detailed
50ø polyduct or equivalent through chamber walls. Extend duct to Atlantic hotel external wall, with swept bend at base. Connect to 25ø s/steel tube riser duct fixed to wall to +2000 for level monitor/alarm (see SoW)

PROPOSED PLAN
1:10

New twin leaf flush fit solid top hinged cover system for use in trafficked areas to provide full access to chamber for maintenance.
Load Class C250
As SoW B30/050
Cover level to tie into existing levels of slipway



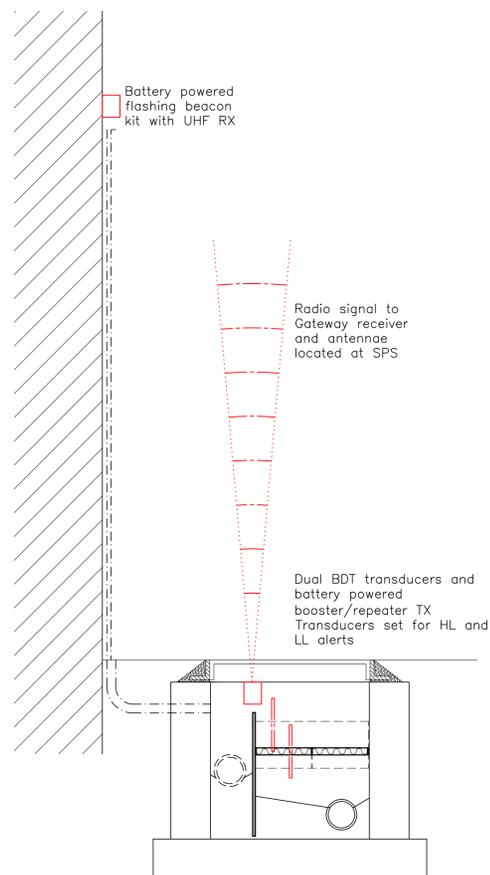
EXISTING SECTION
1:10



Grade 304 s/s c.600 long support brackets to spill weir plate in end walls. Fix with M12 resin anchored bolts, min 100 embedment
Bed, level and securely fix support weir in position. Grout up and place well-compacted and finished benching to encase base

PROPOSED SECTION
1:10

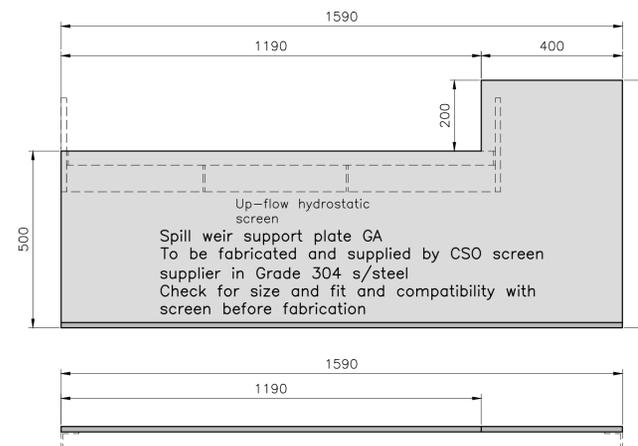
Non-powered upward flow CSO screen with weir overflow to provide 6mm screening or better as SoW B30/040. Screen to be sized for peak design flow of 60 l/s and provided with quick release system, with upstream emergency weir overflow and incorporating flow modifying baffles
Provisional arrangement based on proprietary standard size screen 1215 x 641
If required, allow for adjusting chamber to suit alternative screen arrangements
Fixing details TBC
Existing FWD maintain existing invert



MONITORING/ALARMS SYSTEM SCHEMATIC

FOUL DRAINAGE OVERFLOW CHAMBER
ATLANTIC HOTEL SLIPWAY
1:10

c.600 long s/s angle brackets fixed to end walls of chamber



SUPPORT WEIR (Grade 304 s/steel)
1:10

G	UPDATED DRAWING	26.05.16
F	TENDER DRAWING	25.01.15
E	SUPPORT WEIR NOTE AMENDED	18.07.14
D	SUPPORT WEIR AMENDED	11.07.14
C	TENDER DRAWING	04.07.14
B	ORIGINAL TENDER DRAWING	20.07.12
A	PRELIMINARY - REPORT ISSUE	30.05.12

Amtd. _____ Date _____ v4.0

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Project
**INFRASTRUCTURE WORKS
ST MARY'S
ISLES OF SCILLY
MANHOLE ALTERATIONS**

Title
**ATLANTIC HOTEL CSO
SCREENING CHAMBER**

Client
COUNCIL for the IOS

Date	Scale @ A1	Cod Ref.
24.05.12	AS SHOWN	4606CD302
Designed	Drawn	Checked
	JWL	
Drawing Number		Rev 26/05/2016 16
4606/CD/302		G