

14,000L BELOW GROUND RAINWATER HARVESTING TANK (SHOWN INDICATIVELY) WATER HARVESTING SYSTEM BY STORMSAVER OR EQUIVALENT SUPPLIER.

PROPOSED TRITON SYSTEM BELOW GROUND ATTENUATION UNIT No.2 - REFER TO CONSTRUCTION DETAIL.

PROPOSED KLARGESTER NSFA015, CLASS 1 FULL RETENTION SEPARATOR WITH ALARM AND VENT PIPE (POSITION TBC).

PROPOSED SUCTION POINT FOR FIRE TENDER FROM BELOW GROUND ATTENUATION. DESIGN ABSTRACTION RATE OF 35% ASSUMED BASED ON WATER UK GUIDANCE. TBC BY FIRE OFFICER.

PROPOSED FIRE STORAGE OVERFLOW PIPE - 300mm DIA. LAID FLAT AT 7.300m.

PROPOSED SURFACE WATER CHAMBER WITH PENSTOCK ISOLATION VALVE ON OUTLET.

PROPOSED KLARGESTER NSFA030, CLASS 1 FULL RETENTION SEPARATOR WITH ALARM AND VENT PIPE (POSITION TBC).

STORAGE BUILDING - REFER TO BUILDING DESIGNER FOR INTERNAL LAYOUT. INTERNAL FLOOR DRAINAGE TO COMPRISE OF LINEAR DRAIN CHANNEL FOR WASHDOWN IN OPERATION/STORAGE AREAS. INDICATIVE DRAINAGE LAYOUT SHOWN - FINAL CONFIRMATION FROM WRAP.

WELFARE OFFICE. FOUL CONNECTION PROVIDED FROM F12 AS INDICATED. INTERNAL DRAINAGE TO BE DESIGNED BY M&E DESIGNER.

KERBLINE ALONG SWALE TO INCLUDE 1m LONG OPENINGS, BY WAY OF OMITTED KERB UNITS, AT 5m INTERVALS TO ALLOW RUNOFF TO ROADSIDE SWALES. QUADRANT UNITS TO BE CONSIDERED AT KERB ENDS.

PROPOSED TRITON SYSTEM BELOW GROUND ATTENUATION UNIT No.1 - REFER TO CONSTRUCTION DETAIL.

- HEALTH SAFETY AND ENVIRONMENT NOTES**  
 IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE FORM OF CONSTRUCTION DESCRIBED ON THIS DRAWING, THE FOLLOWING RESIDUAL RISKS SHOULD BE CONSIDERED:
- EXCAVATION WORKS - CONTRACTOR TO REVIEW GROUND INVESTIGATION REPORT AND CONSIDER PRESENCE OF MADE GROUND OR EXISTING GROUND CONDITIONS.
  - CONNECTIONS TO EXISTING SEWERS - WORKS TO BE COORDINATED WITH INCUMBENT WATER SUPPLIERS.
  - EXISTING UTILITIES - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO CHECK FOR EXISTING UTILITIES BEFORE CARRYING OUT ANY WORKS ACTIVITIES. KNOWN EXISTING UTILITIES HIGHLIGHTED ON DRAWING.
  - DRAINAGE PIPEWORK HAS BEEN KEPT AS SHALLOW AS REASONABLY PRACTICABLE. TRENCH STABILITY TO BE CONSIDERED BY CONTRACTOR.
  - CONSTRUCTION WORKS DRAINAGE - CONTRACTOR TO PUT IN PLACE A TEMPORARY DRAINAGE STRATEGY TO TREAT/DE-SILT CONSTRUCTION WORKS RUNOFF PRIOR TO DISCHARGE TO THE GROUND OR OFF-SITE.
  - CONTRACTOR TO DESIGN PROTECTIVE COVER SLAB TO ALL BURIED TANKS IN YARD AREAS IN COORDINATION WITH CHOSEN SUPPLIER.

**NOTES**

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN UNLESS NOTED OTHERWISE.
- ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.
- THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK OR PREPARING SHOP DRAWINGS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.
- REFER TO PAVEMENT DESIGN DRAWINGS FOR HARDSTANDING AND FINISHES. GULLY LOCATIONS TO BE VERIFIED BASED ON PROPOSED LEVELS DESIGN.

**LEGEND**

- EXISTING SURFACE WATER DRAIN
- EXISTING FOUL WATER DRAIN
- PROPOSED SURFACE WATER DRAIN
- CONCRETE PROTECTION REQUIRED
- PROPOSED SURFACE WATER LINEAR DRAIN
- PROPOSED FOUL WATER LINEAR DRAIN ACCESS/OUTFALL SUMP UNIT
- PROPOSED SWALE
- PROPOSED SURFACE WATER MANHOLE CHAMBER
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED SURFACE WATER CATCHPIT
- PROPOSED SURFACE WATER PUMPING STATION
- PROPOSED SURFACE WATER PUMPING STATION KIOSK
- VENT PIPE LOCATION (TBC BY OTHERS)
- EXISTING SERVICE TO BE ABANDONED
- PROPOSED PERMEABLE PAVING (121m²)
- COMBINED KERB AND LINEAR DRAIN
- KERB DRAIN OUTLET
- URBAN PLANTED RILL
- PLANTED RILL DISHED CHANNEL CONNECTION
- GREEN ROOF
- RAINWATER HARVESTING ROOF AREA

C1	UPDATED FOR CONSTRUCTION	04.02.21	SF	AB	SCD
Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale this drawing - any errors or omissions shall be reported to Stantec without delay.  
 UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status  
**FOR CONSTRUCTION**

**ATLANTIC TRADING ESTATE  
 WASTE TRANSFER STATION**

**DETAILED DRAINAGE LAYOUT (SHEET 2)**

Client					
Date of 1st Issue	07/09/2020	Designed	AB	Drawn	FVA
A1 Scale	1:200	Checked	SF	Approved	SCD
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