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KEY

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- LEGEND**
-  SITE BOUNDARY
 -  SW SEWER (TO BE CONSTRUCTED PRIOR TO COMMENCEMENT OF ANY EARTHWORKS)
 -  PRIVATE CONVEYANCE TRENCH (TO BE CONSTRUCTED PRIOR TO COMMENCEMENT OF ANY EARTHWORKS)
 -  PROPOSED SURFACE WATER MANHOLE
 -  PROPOSED PRIVATE SURFACE WATER POLYPROPYLENE INSPECTION CHAMBER (475ø P.P.I.C.)
 -  OVERLAND FLOW ROUTES

NOTE:

A TEMPORARY BUND SILT CONTROL BARRIER SHOULD BE SET UP AROUND THE DOWNSTREAM PERIMETER OF THE SITE / PHASE PRIOR TO CARRYING OUT EARTH WORKS TO ENSURE RUN-OFF DOES NOT CARRY SILTS OR TOP SOIL MATERIAL OFF THE SITE

POST INSTALLATION OF SILT FENCE THE CONVEYANCE TRENCH, SURFACE WATER SEWERS AND ALL OTHER SURFACE WATER INFRASTRUCTURE TO BE CONSTRUCTED PRIOR TO FURTHER WORKS.

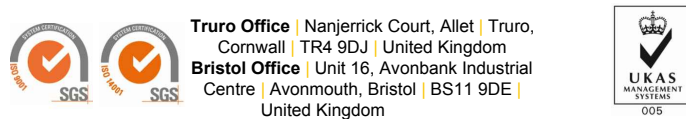
31:08:17	HG	-	-	A	PRELIMINARY ISSUE
DATE:	DRWN:	CHKD:	APPR:	REV:	NOTES:
PROJECT MANAGER:-				HANNAH GRAHAM	
ASSISTANT:-				-	
DRAWN DATE:-				AUGUST 2017	
SCALE & SHEET SIZE:-				1500@ A1	

PRELIMINARY



- Waste to Value (AD/Biogas)
- Industrial Effluent Treatment
- Sewage Treatment
- Flood Risk Management/SUDS
- Design Consultancy
- Service and Maintenance

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CLIENT

A & M ARCHITECTURAL PARTNERSHIP
LLP

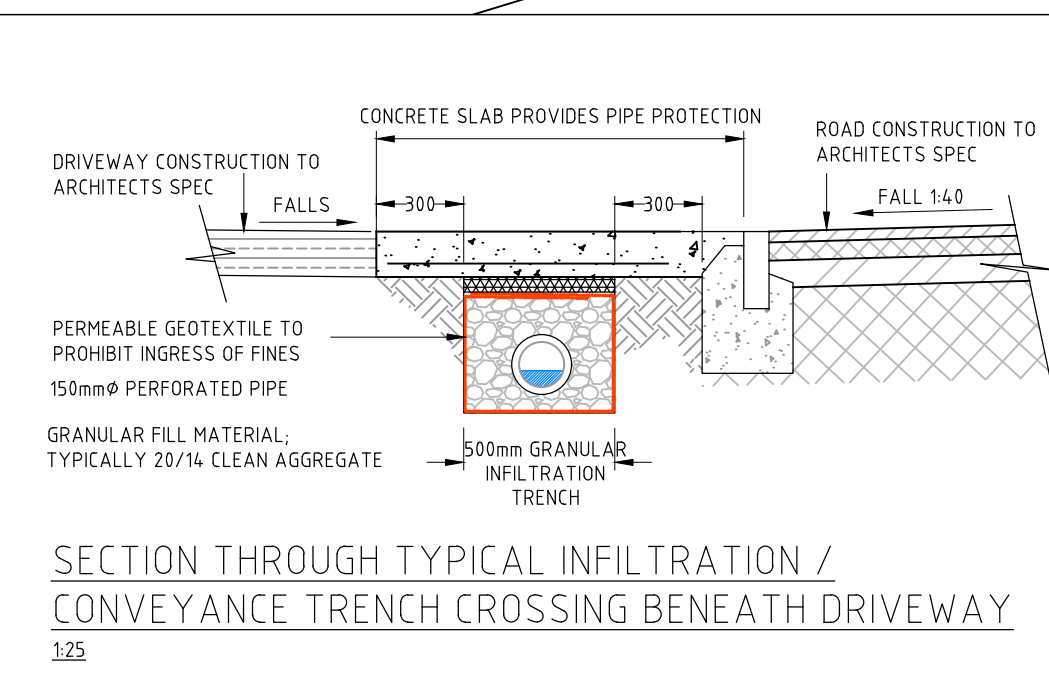
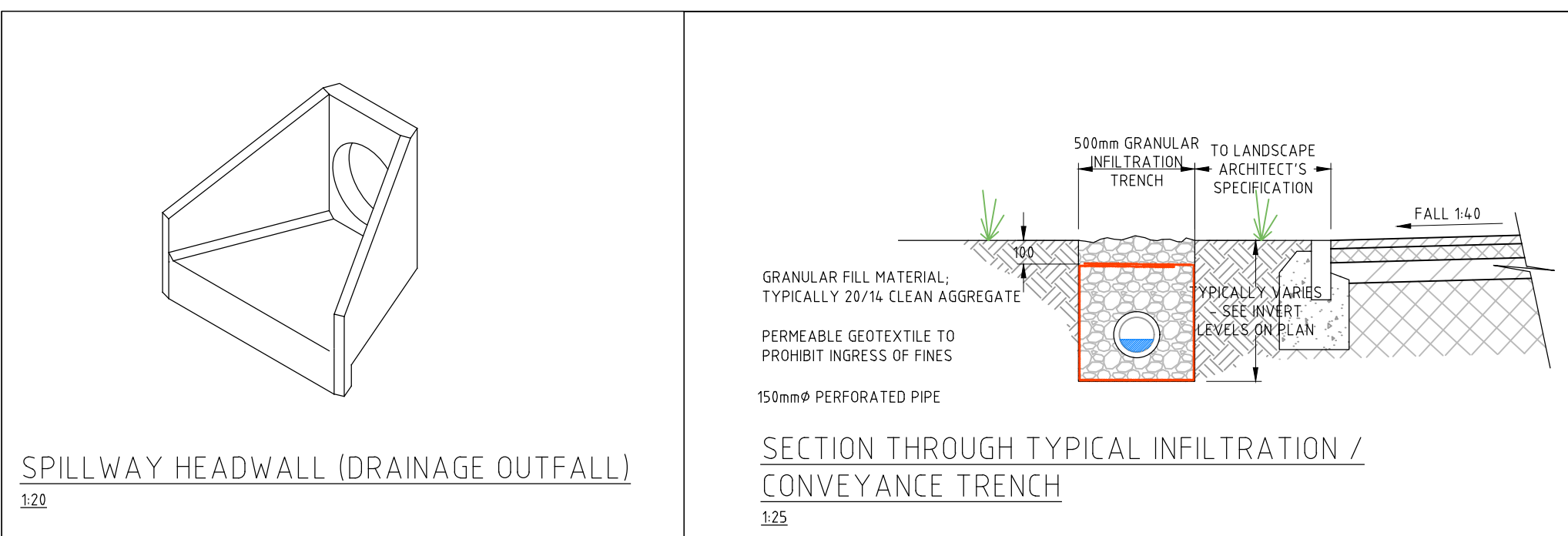
PROJECT

MILL RYTHE HOLIDAY PARK

DRAWING TITLE

SURFACE WATER DRAINAGE

PROJECT No.	DRAWING No.	REV.
J-11713	3001	A



SURFACE WATER DRAINAGE STATEMENT

THE SITE AT PRESENT IS LOW LYING AND SURROUNDED BY TIDAL FLOOD DEFENCES, AS SUCH, WATER FALLING ON TO THE SITE RUNS DIRECTLY INTO THE DRAINAGE DITCH TO THE NORTH. THE RE-DEVELOPMENT RESULTS IN AN OVERALL DECREASE IN IMPERMEABLE AREA AND WILL NOT INCREASE THE PRE-DEVELOPMENT RUNOFF ROUTE. IN ADDITION TO THIS, THE DISCHARGE IS TO COASTAL WATERS, SO NO INCREASED FLOOD RISK TO THIRD PARTIES OR THE SITE ITSELF IS ANTICIPATED. THE FILTER DRAIN/CONVEYANCE TRENCH WILL PROVIDE ADDITIONAL STORAGE AND FILTRATION OVER AND ABOVE THAT CURRENTLY IN PLACE OF THE SITE.

SURFACE PONDING HAS BEEN NOTED ON PREVIOUS VISITS TO SITE (FEB 2011) AND IN ADDITION TO THIS, ACCORDING TO THE CRANFIELD UNIVERSITY NATIONAL SOIL MAP THE SITE IS DESCRIBED AS "LOAMY AND CLAYER SOILS OF COASTAL FLATS WITH NATURALLY HIGH GROUNDWATER", THUS PROVIDING LOW PERMEABILITY.

IT IS NOT RECOMMENDED TO USE A SOAKAWAY BASED SYSTEM DUE TO THE INABILITY FOR THE RUNOFF TO INFILTRATE THE GROUND.

THEREFORE, IT IS PROPOSED THAT A DRAINAGE SYSTEM WHICH UTILISES A CONVEYANCE TRENCH AS A MEANS OF ATTENUATION IS USED WITHIN THE DEVELOPMENT. THIS WILL OFFER A SLIGHT DEGREE OF INFILTRATION AS WELL AS WATER QUALITY BENEFITS.

IT IS PROPOSED TO INSTALL THE CONVEYANCE TRENCH ADJACENT TO THE ROAD, RUNNING DOWNHILL TOWARDS THE EXISTING DITCH TO THE NORTH.
NEW DISCHARGE POINTS WILL DISCHARGE FLOWS INTO THE EXISTING DITCH WHICH FEEDS INTO AN ONSITE PRIVATE POND TO THE EAST WITH DISCHARGE TO COASTAL WATERS.