DRAWING NUMBER	REVISION
EV/170606/CHD03	01

KEY:

- SITE BOUNDARY
- LINE OF CULVERT
- GULLY
- MANHOLE
- CLASS 1 FULL RETENTION HYDROCARBON SEPARATOR
- GROUNDWATER MONITORING BOREHOLE

ATTENUATION PONDS LINED WITH 1mm HDPE LINER.

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REV	DATE	DESCRIPTION	DRWN	CHKD
		REVISIONS		
01	01/20	Additional information requested within a NRW Schedule 5 Notice	JG	SS

STATUS: INFORMATION

CLIENT: CROWNHILL
UNIT 1009 CAERWENT
ARMY TRAINING ESTATE
CALDICOT
NP26 5XL

PROJECT: CROWNHILL TOPSOIL AND AGGREGATES

TITLE: DRAINAGE PLAN

SCALE	DESIGNED
NTS	J. GREGORY
PROJECT NUMBER	DRAWN
EV170606	G. WILLIAMS
DATE	CHECKED
MARCH 2019	J. GREGORY
DRAWING NUMBER	REVISION
EV170606/CHD03	REVISION REF. 01

Not Used

Dust Disk DS100

BH101

Building 7 – Not Used

Series of attenuation ponds with weirs. Total surface area 540m2. Runoff from the site flows along an open drain on the kerb line and then is intercepted by a speed hump, which channels it into a gully. The gully feeds via a manhole into the attenuation ponds. Ponds lined with HDPE liner.

Building 4 – Soil storage building segregted into bays

Concrete channel drain

Culvert connecting northern drainage ditch to southern

Concrete Surfaced Inert Waste Processing and Storage

Culvert conecting northern ditch with original drainage ditch

Drains

BH103

Building 3 Processed aggregates storage building, segregated into bays and plant storage

Drain

Full Retention Hydrocarbon Separator (see note)

Line of original drainage ditch

Workshop, parts and COSHH Store

Canteen.

Car and lorry parking.

Office and Weighbridge.

Building 5 Topsoil Storage Building

Building 2 Screened Sub-soil

Concrete channel drain

Soil storage area

Building 1 Quarantine Area Plant and equipment storage

Secondary Entrance

Site Discharge SW101: Surface Water Monitoring Point

Attenuation ponds discharging via a 150mm pipe from the Class 1 Full Retention Separator.

Attenuation ponds discharging via a 150mm pipe from the Class 1 Full Retention Separator.

Main Entrance

BH7

Soils and aggregate processing area.

Soil and aggregate feed stock storage.

Aggregate Storage Building

Series of attenuation ponds with weirs. Total surface area 550m2. Runoff from the site flows along an open drain on the kerb line and then into the attenuation pond via open drains for ease of maintenance. Ponds lined with HDPE liner.

Direction of runoff flow.

BH102

BH104

Rain fall onto the site flows along the kerb lines and into the attenuation ponds via open channels. The former underground drainage system at the site has been removed in favour of a surface system which is easier to maintain, with consideration to the sites use.