



- LEGEND**
- MAJOR CONTOUR - 0.50m INTERVALS
 - MINOR CONTOUR - 0.25m INTERVALS
 - PROPOSED SW DRAINAGE - UTILISING EXISTING CONNECTION/ DISCHARGE POINTS
 - PROPOSED SW DRAINAGE - ATTENUATED FLOWS TO WATERCOURSE TO THE SOUTH EAST. - RESTRICTED TO GREENFIELD RUN OFF RATE
 - SHALE
 - HIGHWAY GULLY
 - INSPECTION CHAMBER (4500)
 - MANHOLE
 - ALTON - M3 PRECAST HEADWALL
 - 150mm PERFORATED PIPE

- NOTES**
- PERFORATED PIPE TO TAKE USE OF EXISTING SURFACE WATER DRAINAGE CONNECTION. PROPOSED DRAINAGE TO REMAIN UNRESTRICTED EXISTING SWING AREA THAT DRAIN TO EXISTING DRAINAGE SYSTEM IS 300%. WHERE AN ALLOWANCE FOR A WORSE CASE INFILL INTERESTY OF 50mm/HR PROVIDES A DISCHARGE RATE OF 60L/S. THE PROPOSED SWING AREA TO DRAIN TO EXISTING DRAINAGE IS 600%. AN INCREASE OF 70%. PROPOSED FLOWS BASED UPON A 50mm/HR WORSE CASE INFILL INTERESTY A DISCHARGE RATE OF 60L/S IS APPROX. AN INCREASE OF 60L/S. A PORTION OF THE EXISTING CAR PARK WHICH CURRENTLY DRAINS TO THE EXISTING SW SYSTEM (DOWNHILL AREA) WILL BE DRAINED TO THE POND THIS REDUCES THE "IMPEDIMENT" AREA TO DRAIN TO THE EXISTING SYSTEM.
 - PROPOSED SURFACE WATER TO INCORPORATE PERFORATED INTERCEPTORS
 - ALL LAND DRAINAGE INSPECTION CHAMBERS/ MANHOLES TO INCORPORATE 30mm GRITTRAP
 - ALL DRAINAGE IS SUBJECT TO DETAILED DESIGN
 - NO PERFORATED INTERCEPTOR REQUIRED TO GRABBL PAVING AREAS. COVERED STONE/PAVING WILL PROVIDE MICRO-SEDIMENT WHICH CONTAINS HYDROCARBONS. THIS CLEANING THE WATER PRIOR TO DISCHARGE TO THE POND
 - ALL PERFORATED PIPES TO HAVE RIDGING POINTS

A 12 12 14 ENGINEERING UPDATED TO SUIT REVISED SITE LAYOUT

Revisions

Project: PONT AR DAF PROPOSED CAR PARK

Client: NATIONAL TRUST

Drawing: ENGINEERING PLAN

Scale: 1:200@A1 Date: NOVEMBER 2014 Drawn by: NC

Drawing No: 10039-101_1 Rev: A

Drawn by: NC

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

Rev: A

PHOENIX DESIGN
Partnership Ltd

Unit 9, Wharfway Garage,
Merrifield, Bath BA2 9PW
Tel: 01753 479550
Email: enquiries@phoenixdesign.co.uk

Titan House, Leaze Road,
Cardiff CF24 0EJ
Tel: 0303 2448 0771
www.phoenixdesign.co.uk

This drawing is the copyright of Phoenix Design Partnership Ltd. No liability will be accepted for amendments by others to either the printed or digital format.

Drp Status: