



- 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 PILE
  - SINGLE
  - HIGHWAY GULLY
  - INSPECTION CHAMBER (450)
  - MANHOLE
  - ALTHON - HCS PRECAST HEADWALL
  - 150mm PERFORATED PIPE

**NOTES**

- PURPLE COLOURED DRAINAGE TO MAKE USE OF EXISTING SURFACE WATER DRAINAGE CONNECTION. PROPOSED DRAINAGE TO REMAIN UNDISTURBED. EXISTING DRAINING AREA THAT DRAINS TO EXISTING DRAINAGE SYSTEM IS 300sqm. WHERE AN ALLOWANCE FOR A WORST CASE INFILTRAL INTENSITY OF 50mm/HR PROVIDES A DISCHARGE RATE OF 60L/S. THE PROPOSED DRAINING AREA TO DRAIN TO EXISTING DRAINAGE IS 405sqm, AN INCREASE OF 75sqm. PROPOSED FLOWS BASED UPON A 50mm/HR WORST CASE INFILTRAL INTENSITY A DISCHARGE RATE OF 60L/S IS ACHIEVED. AN INCREASE OF 60L/S. A PORTION OF THE EXISTING CAR PARK WHICH CURRENTLY DRAINS TO THE EXISTING SW SYSTEM (SOUTHWEST AREA) WILL BE DRAINED TO THE POND THIS REDUCING THE 'IMPEDING' AREA TO DRAIN TO THE EXISTING SYSTEM.
- PROPOSED SURFACE WATER TO INCORPORATE PERCOLATION INSPECTION CHAMBERS/ MANHOLES TO INCORPORATE 300mm GULLIES
- ALL DRAINAGE IS SUBJECT TO DETAILED DESIGN
- NO PERCOLATION INSPECTION CHAMBERS/ MANHOLES TO BE CONSTRUCTED UNLESS SPECIFICALLY NOTED OTHERWISE
- ALL PERFORATED PIPES TO HAVE BENDING POINTS

A 13.12.16  
Revisions: ENGINEERING UPDATED TO SUIT REVISED SITE LAYOUT

Project: **PONT AR DAF PROPOSED CAR PARK**

Client: **NATIONAL TRUST**

Drawing: **ENGINEERING PLAN**

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

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