



SURFACE WATER DISPOSAL:

PREFERRED DISPOSAL STRATEGY IS INFILTRATION TO GROUND, SUBJECT TO FAVOURABLE GROUND CONDITIONS. PRIOR EXPERIENCE AT EASTERN END OF ADJACENT HOSPITAL INDICATED VERY POOR SOIL INFILTRATION CHARACTERISTICS THEREFORE FALLBACK METHOD OF OFF-SITE GREENFIELD CONNECTION PRESENTED AS A VIABLE ALTERNATIVE OPTION.

FOR THE PURPOSES OF THIS STRATEGY PLAN A CONNECTION TO THE EXISTING S.W. SEWER IN LON DRAENOG IS SHOWN.

ALTERNATIVELY A CONVEYANCE CHANNEL COULD BE FORMED ALONG THE SOUTHERN BOUNDARY OF THE ADJACENT FIELD TO AN EXISTING WATERCOURSE. BOTH THESE CONNECTION OPTIONS REQUIRE THIRD-PARTY AGREEMENT WHICH MAY NECESSITATE A SEWER REQUISITION.

FOUL DISPOSAL:

CONNECTION TO EXISTING PUBLIC SEWER NETWORK. POINT OF ADEQUACY TO BE CONFIRMED BY DCWM.

FOR THE PURPOSES OF THIS STRATEGY PLAN A GRAVITY CONNECTION TO THE EXISTING F.W. SEWER IN LON DRAENOG IS SHOWN.

ALTERNATIVELY A PUMPING STATION CONSTRUCTED AT THE SOUTH OF THE SITE TO PUMP TO THE EXISTING SEWER IN THE MNYYDD GELLWASTAD SOME 600m WEST, OR POSSIBLY TO A CLOSER CONNECTION (E.G. IN MORRISTON HOSPITAL GROUNDS) SUBJECT TO LANDOWNER & DCWM AGREEMENT.

CASCADING POND FEATURE TO BE DESIGNED TO STORE 100yr+30% STORM RUNOFF ON SITE. PROPOSED GREENFIELD DISCHARGE RATE 9.1l/s. STORAGE REQUIRED ~1000M3 (SUBJECT TO DETAIL DESIGN)

PROPOSED OFFSITE FOUL AND SURFACE WATER CONNECTIONS TO PUBLIC SEWERAGE IN LON DRAENOG. CROSSING THIRD-PARTY LAND (YELLOW) MAY NECESSITATE SEWER REQUISITION.

SW OPTION: CREATE CONVEYANCE DITCH TO EXISTING WATERCOURSE (ADJACENT LANDOWNER AGREEMENT REQUIRED)

FW OPTION: PUMP UP TO SITE ENTRANCE AND CONNECT TO EXISTING DCWM SEWER IN HIGHWAY (NEAREST CHARED SEWER IS SOME 600m WESTWARD ALONG MNYYDD GELLWASTAD ROAD)

Structural & Civil Engineering Consultants First Floor 7 St James Crescent SA1 1EP Telephone: +44 (0)1792 473182 Fax: +44 (0)1792 473183 Email: info@cb3consult.co.uk Web: www.cb3consult.co.uk	
Client: Hengoed Court	Project: Development at Cowsi Farm
Drawing Title: Drainage Strategy Plan	
PLANNING	
Project No.: C9330	Drawing No.: C-001
Scale: 1:500	Date: 18/05/17
Drawn by: CH	Checked by: AJ