F.F.L 31.525

FFL 31.90m

Typical arrangement between growing tunnels = 1000mm wide gravel margin x 600mm deep to have 150mm diameter perforated land drain all wrapped in Terram 1000 geotextile, out falling to SW drainage system

F.F.L 31.250

2 No Cooler unit on hard standing area

Internal Drainage Layout of Facility's subject to detail design

4 Dock levellers at -1200

Bin Store

Channel Drain

Staff Shelter

Cycle Shelter capacity 12

Mini Bus

Class 2 by-pass interceptor with high level alarm, size subject to detail design

Bin Storage Area

F.F.L 29.750

Internal Drainage Layout of Facility's subject to detail design

10.5m

Swale / Silt recovery basin

Swale to be provided to enhance water quality prior to discharge to Attenuation Pond.

Water Treatment Plant and Screen system to remove organic matter from SW drainage system and reclaim SW water for wash down use

Attenuation Pond Bed Level = 26.60m
Top Water Level = 28.80m
Top of Bank Level = 29.10m Min. during 100 year plus 40% climate change event

Drainage to Road Widening works to be agreed with WCC / LLFA under Section 278 works Agreement.

Allan's Hill

Hydrobrake flow control to be provided to limit outfall to 40l/s during the 100 year plus 40% climate change event.

Demarcation Chambers to be provided for Foul and Surface water system.

FFL ± 500mm subject to detailed design

N

Q H L P E F G J K N

Key to Drainage symbols

- SW — Surface water
- FW — Foul water
- PSD — Perforated storm drain
- SW MH 01 — Storm water manhole
- FW MH 01 — Foul water manhole
- SW IC 01 — SW Inspection chamber
- FW IC 01 — FW Inspection chamber
- G — Standard road gully
- YG — Standard Yard Gully
- G — Standard internal gully
- RWP — Rain water pipe with Rodding eye facility
- esw — Existing SW Drain
- efw — Existing FW Drain
- ecfsw — Existing Combined Drain
- Existing drains to be removed
- XXXX XXXX XXXX XXXX — Concrete Encasing
- RE — Rodding eye
- SS / SVP — Stub Stack / Soil and Vent Pipe

Existing Shallow ditch

New drain with headwall discharging to existing drainage ditch

Photo 1

150Ø outfall pipe beneath road leading to Bow brook SEE PHOTO 1 & 2. **Drainage ditch to be cleared as required and outfall pipe to be inspected/cleared/jetted to ensure free discharge**

New 150Ø Foul drainage connection to be provided subject to agreement with STWL.

Approx location of STWL MH Ref 1401
CL = 26.90m
IL = 24.97 (Ex 225Ø FWS)

Existing 150Ø drain beneath road

Existing drain to open ditch discharging to Bow brook

Existing 225l/s FWS flows to south

Drainage Strategy (Southern Area To Outfall)

Scale 1:500

Drainage Strategy (Southern Area)

Scale 1:500



Photo 1



Existing pipe falling beneath road towards Bow Brook to be cleared/jetted to ensure free flow

Ditch to be cleared and maintained as required to ensure SW discharge

Photo 2

DO NOT SCALE DRAWING
Dimensions provided are indicative only, and should be confirmed and read in conjunction with the Architect's construction drawings at such times as they are available, and/or from site measurement.
All setting out to be in accordance with the Architect's drawings, any ambiguities to be raised prior to construction.

0 10 20 30 40 50 60 70 80 90 100 METRES
SCALE 1:1250 (A1)
SCALE 1:2500 (A3)

Rev By	Details	Date
P4 DM	SW off site updated	16.12.21
P3 DM	Layout updated	06.08.21
P2 MJB	Updated to suit internal layouts	08.12.20
P1 MJB	Preliminary Issue	30.11.20

COMPLETE DESIGN PARTNERSHIP LTD
CONSULTING CIVIL & STRUCTURAL ENGINEERS
CHARFORD LODGE
ROCK HILL
BROMSGROVE
WORCS B61 7LH
TEL: +44 (0)1527 832307
FAX: +44 (0)1527 832711
E-mail admin@cdpbroms.co.uk

Client: WALSH MUSHROOMS

Project: *Walsh Mushrooms*
New Facility Nr Pinvin

Drawing Title:
Planning Site Layout
Showing Proposed Finished Levels
Sheet 2 of 2

Date: Nov 2020
Scale: 1:500 at A1
Drawn: MJB
Chkd: JWB

Drawing No. 19-7695-SK021

Issue Rev. P 4

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(P=Preliminary, T=Tender, C=Construction, R=Record)