

NOTES

1. CONTRACTORS MUST VERIFY ALL DIMENSIONS AND LEVELS BEFORE COMMENCING ANY WORK.
2. OBTAIN THE ARCHITECT'S WRITTEN APPROVAL BEFORE COMMENCING ANY WORK INVOLVING SHOP DRAWINGS AND VARIATIONS.
3. DRAWINGS MUST NOT BE SCALED. LARGE SCALED DRAWINGS SHALL TAKE PREFERENCE TO SMALL SCALED.

Revision	Change ID	Description	Date
A	-	PLANNING SUBMISSION	01.06.21


PROJECT: HILLWOOD BERRIES - NEW TUNNELS
 ADDRESS: 191 HILLWOOD ROAD
 CLIENT: HILLWOOD BERRIES
 DRAWING: PROPOSED TUNNEL LAYOUT - BOUNDARIES AND SETBACKS
 SCALE: 1:2000 (A2 paper)
 DATE: 26.05.21
 DWG#: DA - 01 - A

NOT FOR CONSTRUCTION

ACCREDITATION:

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 CLASS / CATEGORY: ARCHITECT









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Hillwood Berries 2021 Polytunnels DRAFT PLAN WEST VER 7

Australian Geocentric 1994 (GDA94)
Australia MGA94 (55)
1:2900 when printed at A4
25/05/21

-  **Strawberry VER7**
Areas
-  **Raspberry VER7**
Areas
-  **Rasp VER7 Maybe**
Areas
-  **Fence lines**
Lines
-  **Fence 10 m Buffer**
Lines
-  **Vineyard**
Lines

11 m clearance from fence
to tunnel edge

VER 7 plan

Road block

- Strawberry - 7 x 8.7 m tunnels
- 1012.5 m
- Raspberry - 10 x 8.5 m tunnels
- 1,120 m

Centre and Slope blocks - Raspberry @ 8.5 m

- Centre block - 21 tunnels, 2,440 m
- Slope block - 9 tunnels, 1,260 m

TOTAL STRAWBERRY - 1,012.5 m (0.881 ha)

TOTAL RASPBERRY - 4,820 m (4.097 ha)

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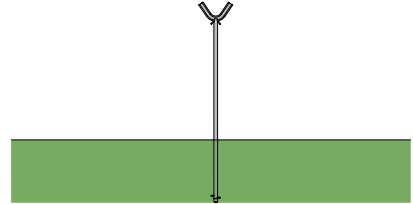
TUNNEL STRUCTURE

HSO 80 HOOP STEEL

Haygrove HSO 80 steel is the premium steel choice for growers seeking high strength and excellent value for money. It uses E320 structural grade steel and Z275 zinc coating, and is made to manufacturing standard EN10305-3:2016.

PIONEER LEG

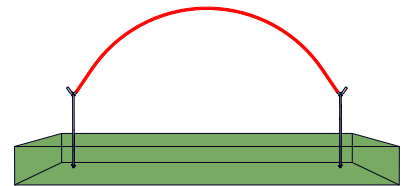
Leg length: 2.75m, Leg height: 1.9m, Drill depth: 0.85m, Flight: 150mm
The Pioneer HSO 80 leg has a 71mm x 31mm HSO Y-Piece with a 50mm x 2mm E320 structural grade steel shaft. HSO steel is used in both the hoop and uniquely, also in the leg top, creating a secure connection between the HSO hoop and HSO leg top. Patent Applied 1606567.



PIONEER ROUND

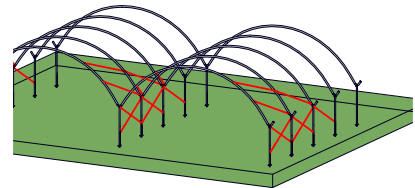
Hoop length: 10.50m

Pioneer Round hoop steel is delivered in straight lengths and bent into a round hoop profile on site.



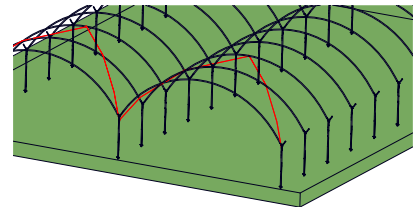
WINDY END KITS

This kit consists of a configuration of 40mm struts and hinge clamps, designed to strengthen the ends of the tunnels.



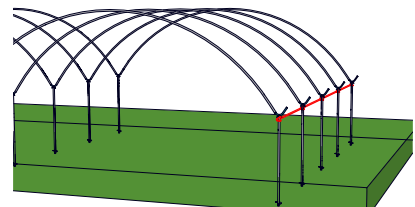
V BRACING AT TUNNEL ENDS - WIRE

This kit consists of wire stabilising the structure at the ends of the tunnels.



STEEL SIDE BRACING - PERIMETER ROWS ONLY

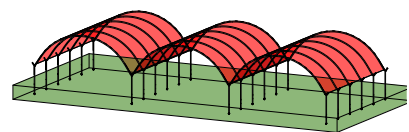
This kit consists of 30mm tube running along the length of the tunnel on the perimeter legs. It is designed to connect the perimeter legs in an upright position, which in turn keeps the perimeter hoops in an upright position, and therefore helps maintain the integrity of the structure at its most vulnerable point.



POLYTHENE

Visqueen Luminance Extra High UV 150mu - 10.70m wide

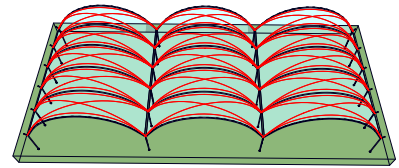
This polythene has high diffusion (>90%) characteristics combined with >80% thermicity and >87% light transmission properties. It has extra high UV protection and is guaranteed for 3 seasons against UV degradation in areas with 131-160kLy.



TUNNEL STRUCTURE

DOUBLE ROPING

This rope is diagonally crossed over continuously in both directions between each hoop, designed to secure polythene in place. This rope is UV protected with a 770kg breaking strain.



MULTIBAY FIXINGS

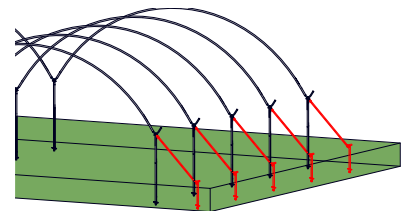
This kit consists of tek screw fittings used to secure the hoops in the end kits.

HOOP CLIP POLY FIXING KIT

This kit consists of hoop clips and quick release tape spaced at 4 per metre, designed to fix polythene to tunnel ends.

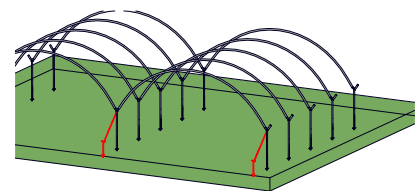
PERIMETER ANCHORS

This kit consists of connecting perimeter legs and T-anchors at ground level using 40mm struts and hinge clamps, designed to protect the tunnels against side winds.



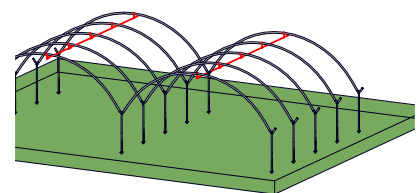
FRONT STRUT BRACING

This kit consists of connecting end legs and T-anchors at ground level using 40mm struts and hinge clamps, designed to strengthen the ends of the tunnels.



TOP STEEL BRACING

This kit consists of 35mm steel tubes and steel twist droppers connecting to the apex of every hoop, designed to strengthen the ends of the tunnels. The steel twist droppers reduce friction between metal and polythene, thus reducing polythene damage. The end three hoops in every tunnel are reinforced using termination clamps.

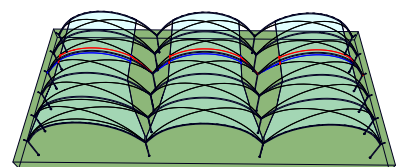


RAIN CAPS

This kit consists of rain caps to fit into the Y-piece on the perimeter legs, designed to prevent water entering the leg.

STORM ROPING WITH STEEL BLUE ROPE

This rope consists of additional rope every six hoops, designed to secure polythene in place and add extra security during high wind events.



TOOLS & MISCELLANEOUS

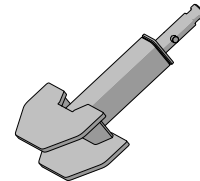
3M ALUMINUM VENTING TOOL

This tool is used to push up the plastic on a tunnel and aid with polythene skinning.



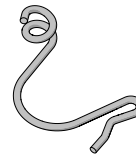
AUGER UNION - MULITBAY LEG

This tool is used to drill legs or anchors into the ground.



VENTING CLIPS

This kit consists of clips that are used to secure polythene and ropes in the correct venting position.



SHEETING ROPE INSTALLATION TOOLS

Kit includes a Bull Ring for ease of sheeting rope installation and two roping clamps for tensioning ropes.

13 May 2021

Inquiries: Sallie Bolonja
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Our Ref: 21/1900.001

Van Dieman Vines Pty Ltd
Attention: Mr Geoffrey Carr
191 Wellington Street
LAUNCESTON TAS 7250

Dear Mr Carr

**ACCEPTANCE OF NOTICE OF INTENTION TO UNDERTAKE DAM WORKS
UNDER DIVISION 4**

I am writing to advise that your Notice of Intent to decommission an off-stream dam with a wall height of 5.0 metres and of 14.0 megalitres (ML) storage capacity at 191 Wellington Street, Launceston, under Division 4 of the *Water Management Act 1999* (the Act) was received on 7 May 2021.

Having reviewed the details of your Notice of Intent, I am satisfied that it meets the criteria of a Division 4 Permit as outlined under section 159 of the Act.

Accordingly, you are taken to have been issued a Division 4 Permit 2021010053 for Dam Works, to undertake works in accordance with the Notice of Intent. This permit takes effect on 13 May 2021 and will expire on 13 May 2023, unless the works are completed earlier.

In accordance with s.164A of the Act, the following conditions have been imposed on this Permit:

1. The dam works authorised by this Permit must be carried out in accordance with the Division 4 Permit Dam Works Code 2015 as applicable to decommissioning a dam.
2. The dam works must be undertaken in accordance with the details of works submitted with the Notice of Intention to undertake Dam Works.

These conditions are designed to ensure that the authorised dam works achieve appropriate dam safety and environmental management objectives. Accordingly it is recommended that you read and understand the requirements of the Code, a copy of which is attached. In addition section 164ZB of the Act requires you to provide the Minister a Notice of Completion within 30 days after the dam works have been completed. A copy of this Notice is included for you to return.

Please be aware that the Department may visit your dam to conduct a dam construction audit as part of a review of dam construction and safety processes and may visit your site during the construction phase. The aim of the audit process is to improve the knowledge of dam construction requirements by the contractor and to help ensure any potential problems are found early in the construction phase. This is at no cost to you as the dam owner.

It is important to note, that as dam owner you have responsibilities to ensure the ongoing maintenance of the dam in accordance with the Act and the *Water Management (Safety of Dams) Regulations 2015*.

Should you require further information in relation to our requirements or wish to discuss any aspect of your proposal, please contact Sallie Bolonja on the contact details above.

Yours sincerely



Bill Shackcloth

**SECTION HEAD (WATER AND DAM ADMINISTRATION)
WATER MANAGEMENT AND ASSESSMENT BRANCH**

Enc: Division 4 Permit Dam Works Code 2015
 Notice of Completion (Div 4)
 Guideline: Rights and Obligations of a Division 4 Dam Works Permit Holder
 and/or Dam Owner