

BD- Legacy Steering Group Agenda

- 1. Apologies and Substitutions**
- 2. Minutes from Previous Meeting**
- 3. Matters Arising**
- 4. Project Update**
 - Landscaping Mitigation
 - Other Mitigation Works
- 5. AOCB**





**SP ENERGY
NETWORKS**

**BEAULY to DENNY OVERHEAD TRANSMISSION LINE
Environmental Mitigation
B-D Legacy Steering Group Update**

Beauly Denny Partnership Group
19.02.2016

SPEN UPDATE



Progress Update

July 2015 – February 2016

- 27th July – PiG Meeting (Package 1, Pre Tender Meeting)
- 4th August – Landowner Meetings for Package 1
- 11th August – Meeting with Sustrans (Package 1 Works)
- 8th September – Community Council Meeting (Throsk)
- 22nd October – Phase 2 Package Site Visit – Single Properties, Sherrifmuir Road & Logie
- **6th November – BD Partnership Group Meeting**
- 12th November – Phase 2 Package Site Visit – Single Properties & Plean (Mitigation)
- 17th November – Community Council Meeting (Friends of Plean)
- 23rd November – Phase 2 Package Site Visit – Plean (Cycle Paths)
- 27th November – Phase 2 Package Site Visit – Fallin/ Throsk to Cowie Link
- 3rd December – Phase 2 Package Site Visit – Glen Road Repairs
- 7th January – Phase 2 Package Site Visit – Dumyat with FoO Group
- **11th January – Phase 1 Package Landowner Consents Signed**
- 14th January – Phase 2 Package Site Visit - Sherrifmuir Road Dykes Condition Assessment
- 19th January – Phase 2 Package Site Visit – Plean Cycleway Links
- 29th January – Stirling Council Roads & Transportation Meeting
- 2nd February – Phase 2 Package Site Visit – Throsk Amenity Additional Consultation Event
- **19th February – BDLSG Meeting**

Community Engagement

Engagement Process to Date

- Community Councils
 - Visited all CC's over 6 month period
 - Provided update on selected projects
 - Issued e-Newsletter in December 2015
- Friends Groups/ other
 - Joint Site Inspections
 - Meetings & Dialogue
- SPEN Website
 - News releases on SPEN portal

General:

- Community Council Meetings & Friends Groups generally met with positive feedback
- Open discussions/ working together with Locals/ Friends Groups
- Identified the need to keep public engaged throughout

Ongoing Community Engagement





Future Engagement Process

- Community Council e-Newsletter
 - Updated on a Quarterly Basis
 - First Issue - December 2015
 - Next Issue - April 2016
- SPEN Website
 - Updated by SPEN
- Social Media
 - Twitter / Facebook (under construction by SPEN)

Useful Contact Information

Scottish Power Energy Networks (SPEN)

0171 140 1115
14 Milton International Park
Edinburgh
EH7 2DA
Phone: 0200 1010 111
Web site: <http://www.spenergynetworks.co.uk/>




Beauly - Denny Overhead Line Landscape and Visual Mitigation Newsletter No.1 - December 2015

Construction of the new Beauly - Denny overhead line is now well underway within the Stirling area with tower construction close to completion and the stringing of conductors due at the end of 2015.

Due to the differing scale and complexity of the mitigation projects, a phased approach to their implementation is being taken, with projects being delivered over three phases from early 2016 until 2018:

- Work Package 1 - construction start February 2016
- Work Package 2 - construction start summer 2016
- Work Package 3 - construction start autumn 2017.

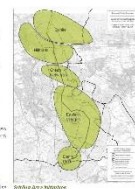
This is the first in a series of quarterly newsletters to provide updates and information to communities on the progress of the mitigation projects.



Progress

Work Package 1
As a result of the successful completion of the first phase of the Beauly - Denny overhead line, the first phase of the mitigation projects is now underway.

- The first phase of the mitigation projects is now underway.
- The first phase of the mitigation projects is now underway.



Work Package 2
The second phase of the mitigation projects is now underway.


- The second phase of the mitigation projects is now underway.
- The second phase of the mitigation projects is now underway.

Work Package 3
The third phase of the mitigation projects is now underway.


Community Engagement

The project will continue to engage with the community through a range of activities, including:

- Regular site visits to the project.
- Regular site visits to the project.
- Regular site visits to the project.



Beauly - Denny Overhead Line



Project Update - Programme

■ Implementation Dates Update

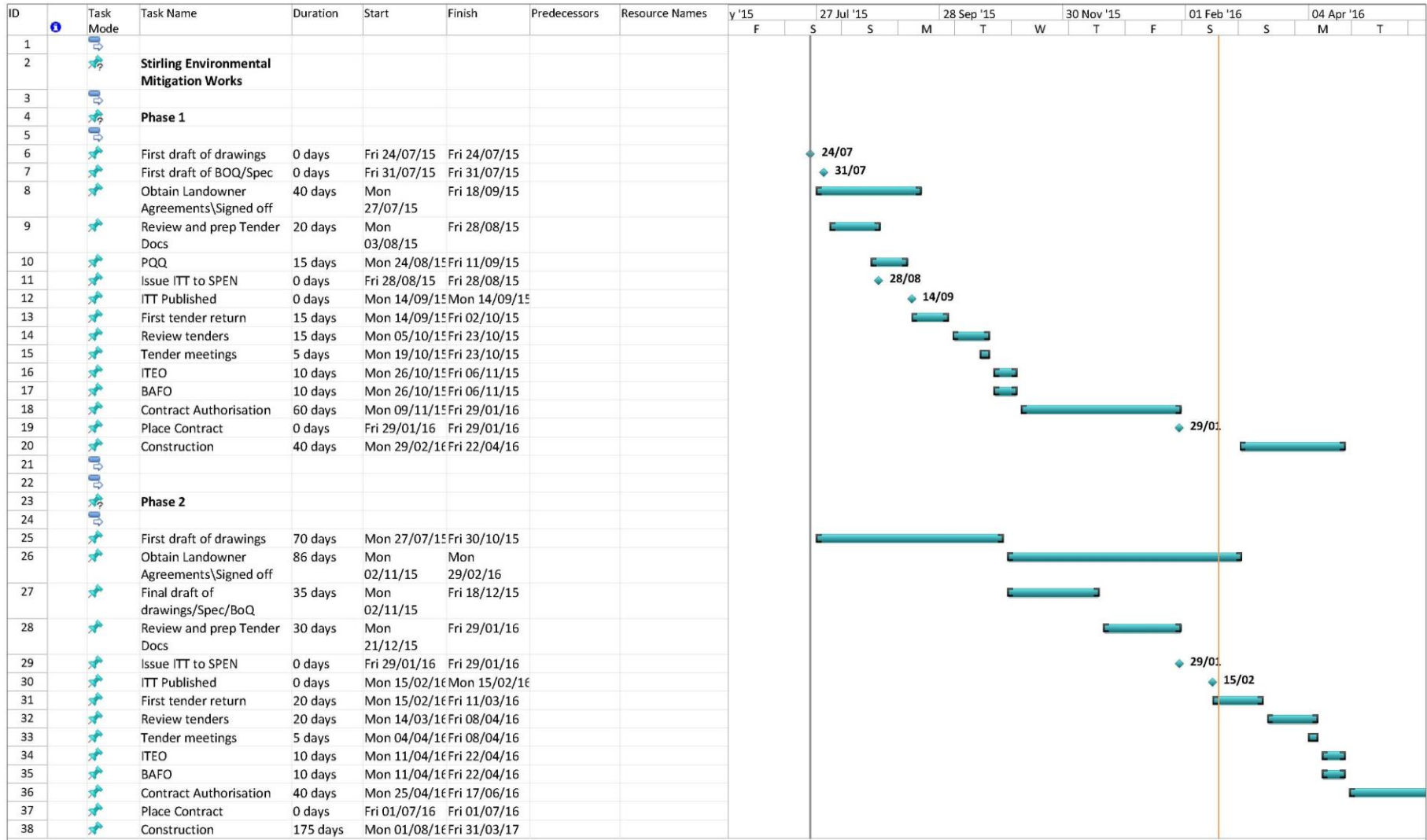
- Package 1 April - September 2016
- Package 2 Sept 2016 – April 2017 (TBC)
- Package 3 Sept 2017 – April 2018 (TBC)

■ Package 1 Detailed Programme

- Detailed Design (March – July 2015)
- Contract Documentation Issue (August 2015)
- IEC Approvals (August – October 2015)
- Tender Issue (November 2015)
- Tender Award (February/ March 2016)
- Mobilisation (March 2016)
- Commencement (April 2016)
- Completion (September 2016, TBC)

- Projects delivered in 3 packages over 3 years
- Package 1 Tendered October 2015
- Contractor Appointed March 2016
- Contractor on-site April 2016

Project Update - Programme



Project Update – Design Process

■ Site Walkovers

- Technical Feasibility
- Site Constraints (Drainage / Services)
- Unknown Ground Conditions



■ Detailed Discussions

- Landowners
- Stirling Council (Roads/ Transportation)
- Stirling Council (Parks Service)
- Stirling Council (Planning)
- Sustrans Scotland
- SEPA / Dry Stone Walling Association
- Cairngorms Outdoor Access Trust
- Community & Friends Groups





Fallin/ Throsk to Cowie - Footpath to the Brae – Detailed Site Investigation/ Walkover



Glen Road Repairs – Site Walkover with Bridge of Allan Community Council & Stirling Council

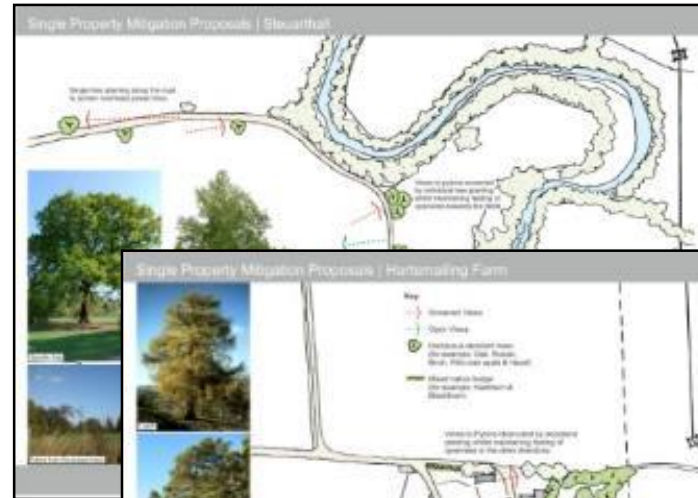




Project Update – Design Process

- **Sketch/ Outline Design**

- Draft Layouts for initial discussions with:
 - Landowners
 - Stirling Council
 - Community Councils
 - Other Key Stakeholders



Project Update – Design Process

■ Detailed Design

- Detailed Layouts
for final discussions/ agreement with:
 - Landowners
 - Stirling Council
 - Community Councils
 - Other Key Stakeholders
- Specifications
 - Prepared using NBS Landscaping
- Bill of Quantities
 - Prepared using CESSM4
- Contract Conditions
 - FIDIC Contract Conditions
(Previously advised as NEC Option B)

- Contract Administration by Iberdrola Engineering Construction (IEC)
- Technical & Detailed Design prepared by Ironside Farrar
- Bills of Quantities within Contract Documentation

Project Schedule (Package 1)

Summary of Project List:

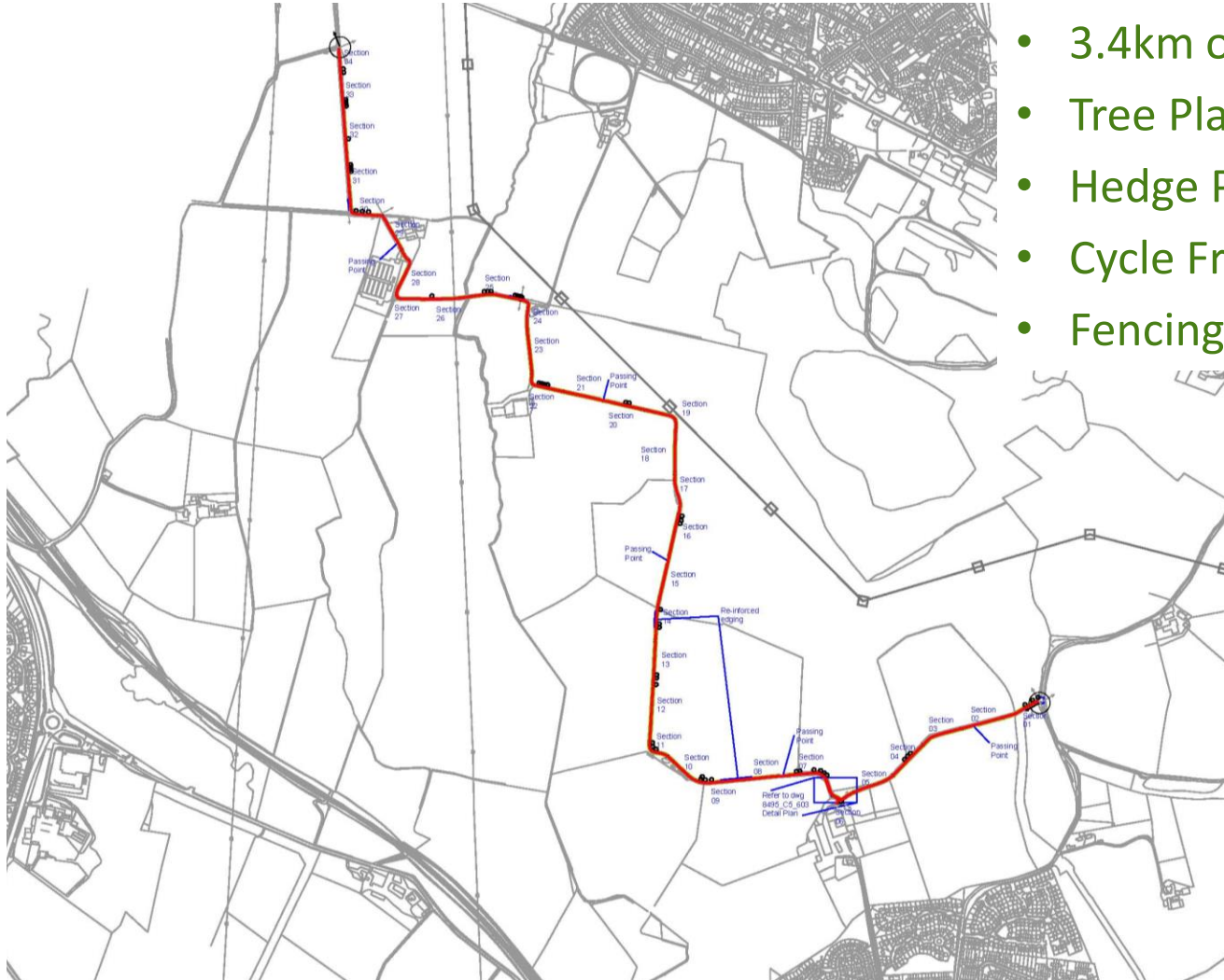
Implementation April – August 2016

- Memorial Park, Bridge of Allan
- **Fallin to Cowie (off road route)**
- Single Property – Burnhead Cottage
- **Single Property – South Mains**
- Single Property – Hilton Farm
- Single Property – Glenside Farm

- Memorandum of Agreements signed January 2016 with landowners
- Contractor Appointment March 2016
- Site Start April 2016

Total Spend for Package 1 will be approx. £500k-£600k

Package 1 - Fallin to Cowie (off road route)

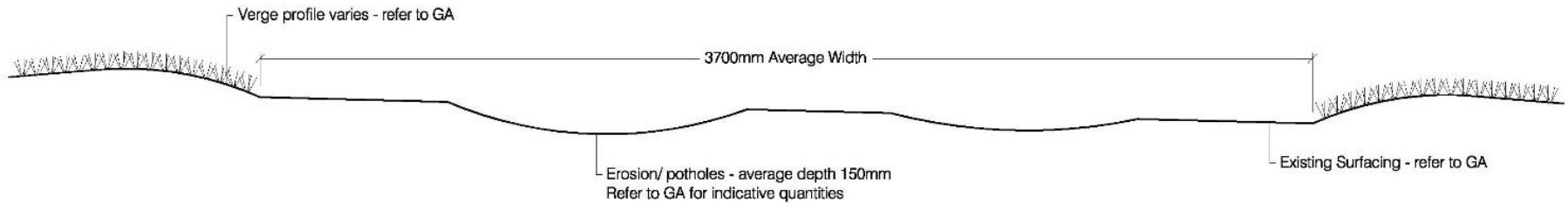


- 3.4km of Footpath & Cycleway
- Tree Planting
- Hedge Planting
- Cycle Friendly Gates
- Fencing

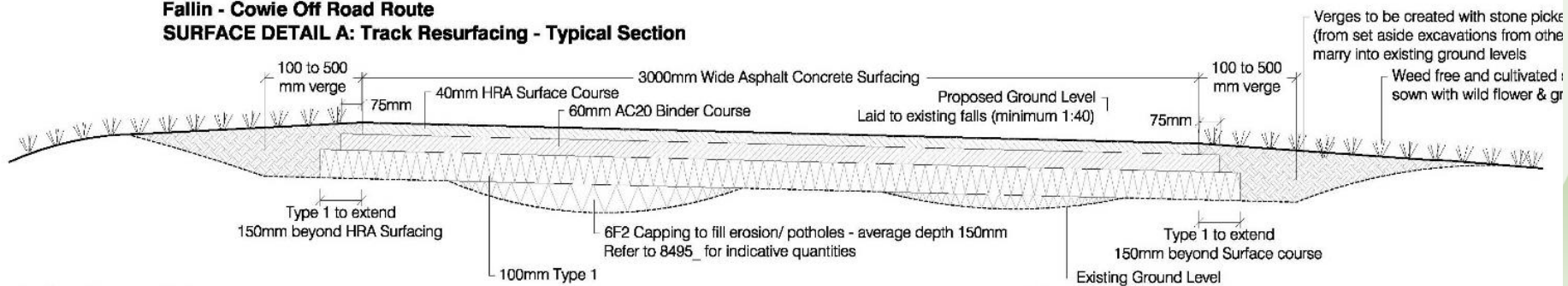
Package 1 - Fallin to Cowie (off road route)

Footway & Cycleway Construction Details

Fallin - Cowie Off Road Route Existing Track - Typical Section



Fallin - Cowie Off Road Route SURFACE DETAIL A: Track Resurfacing - Typical Section

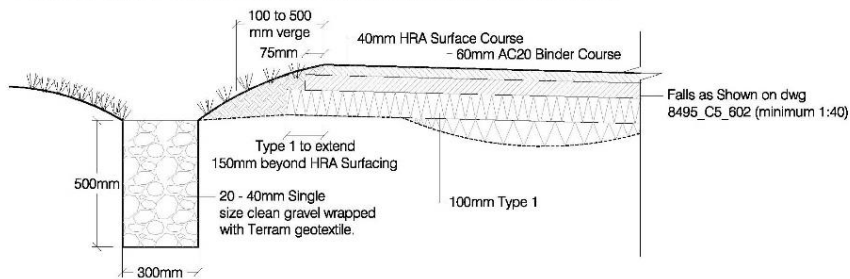


Package 1 - Fallin to Cowie (off road route)

Footway & Cycleway Construction Details

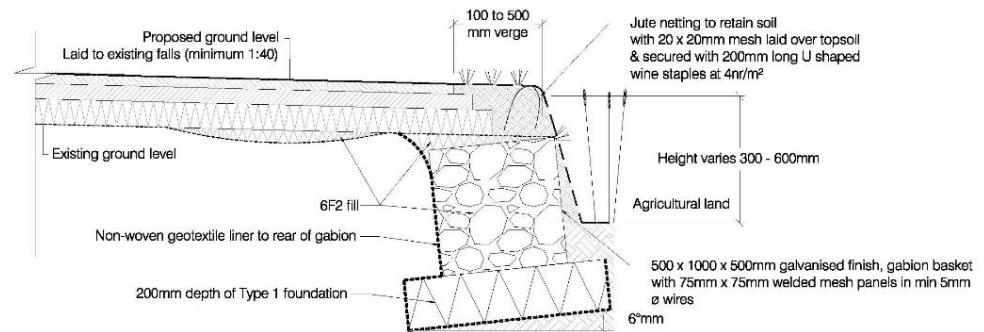
Fallin - Cowie Off Road Route

SURFACE DETAIL B: Filter drain for Track Resurfacing - Typical Section



Fallin - Cowie Off Road Route

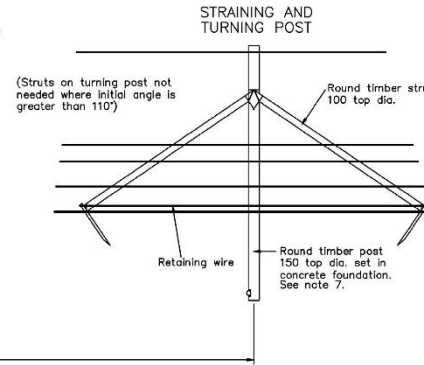
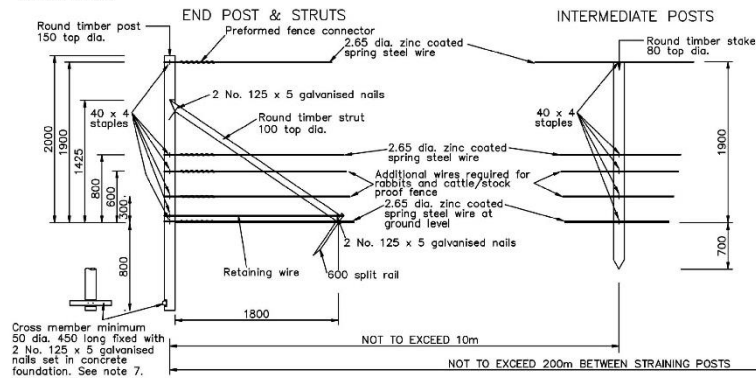
SURFACE DETAIL C: Track Resurfacing - Reinforced Edging



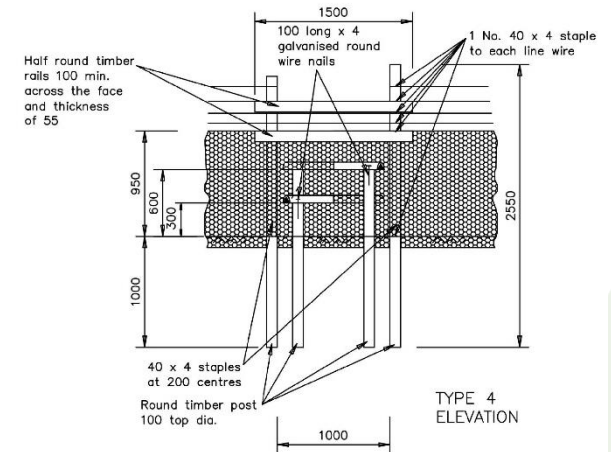
Package 1 - Fallin to Cowie (off road route)

Typical Agricultural Gate & Stile Construction Details

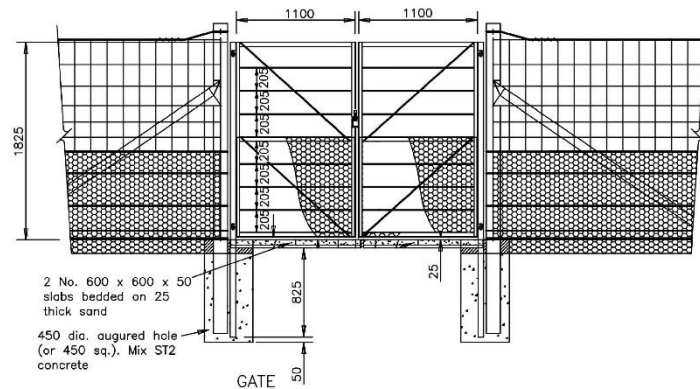
Deer and Rabbit Proof Fence Posts & Dimensions



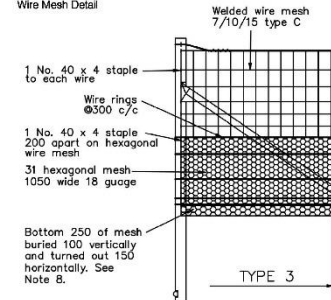
Timber Stile Profile



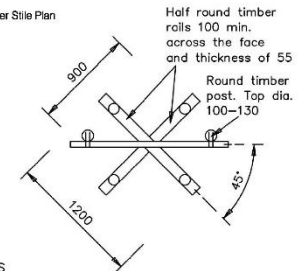
Deer and Rabbit Proof Gate (2.2m wide opening)



Deer and Rabbit Proof Fence Wire Mesh Detail



Timber Stile Plan



NOTES

1. All timber shall be in accordance with the appropriate clauses in the Specification.

Package 1 - Fallin to Cowie (off road route)

National Cycle Route Signage Requirements



Scheme Ref.	8495	
Sign Ref.	8495 Sign 01	x-height 50.0
Letter colour	WHITE	SIGN FACE
Background	BLUE	Width 570mm
Border	WHITE	Height 225mm
Material	Class RA2 (12899-1:2007)	
		Area 0.13m ²



Scheme Ref.	8495	
Sign Ref.	8495 Sign 02	x-height 50.0
Letter colour	WHITE	SIGN FACE
Background	BLUE	Width 570mm
Border	WHITE	Height 225mm
Material	Class RA2 (12899-1:2007)	
		Area 0.13m ²



Scheme Ref.	8495	
Sign Ref.	8495 Sign 03	x-height 50.0
Letter colour	WHITE	SIGN FACE
Background	BLUE	Width 890mm
Border	WHITE	Height 225mm
Material	Class RA2 (12899-1:2007)	
		Area 0.20m ²



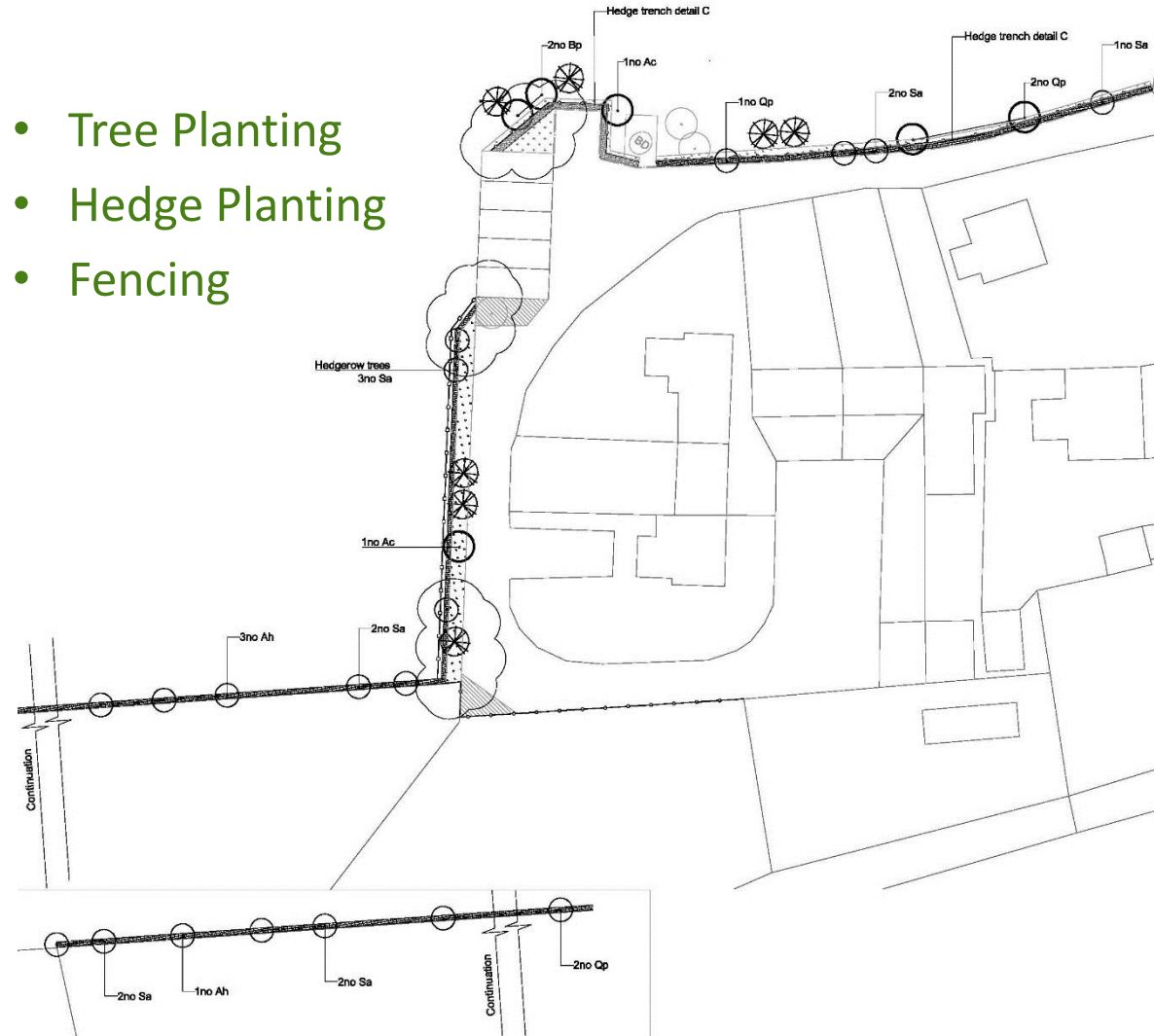
Scheme Ref.	8495	
Sign Ref.	8495 Sign 04	x-height 50.0
Letter colour	WHITE	SIGN FACE
Background	BLUE	Width 865mm
Border	WHITE	Height 225mm
Material	Class RA2 (12899-1:2007)	
		Area 0.19m ²

Package 1 – South Mains Properties

General Arrangement



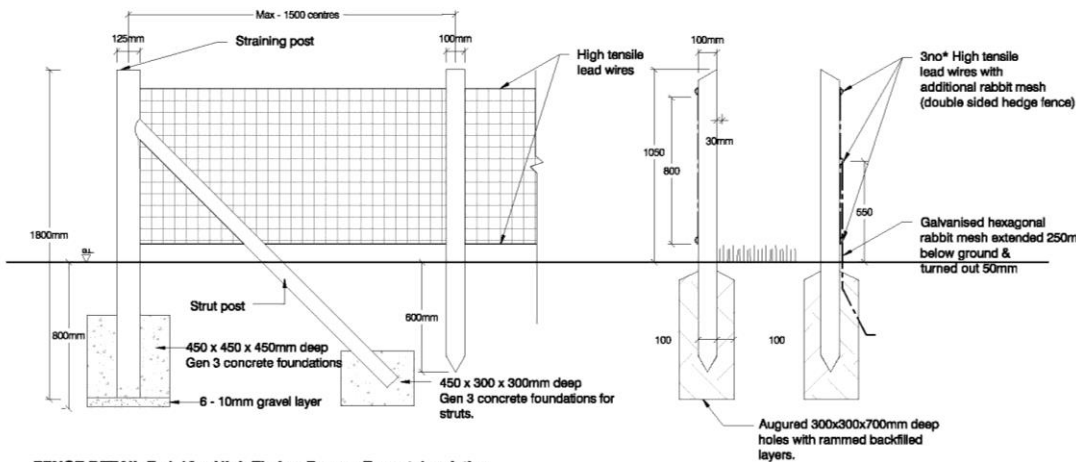
- Tree Planting
- Hedge Planting
- Fencing



Package 1 – South Mains Properties

Fencing Construction Details

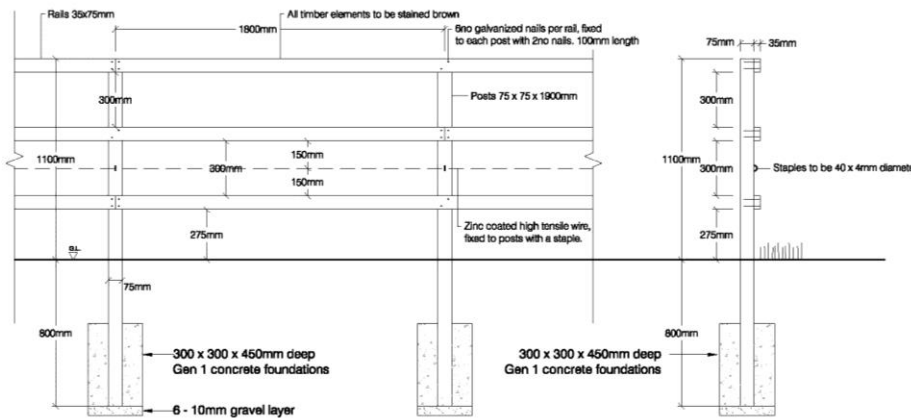
FENCE DETAIL A: 1.05m Stock Fence with High Tensile Mesh Fence



Notes:

- Timber Post & Wire Mesh Fence to BS 1722-2: 2006
- Lead installer to have valid FISS/CSCS card (with blue card) or equivalent, other operatives to have fence operative (green card) or equivalent
- Pressure treated softwood
- Straining posts to be 150mm diameter with 30° weathered tops, to be located at beginning and end with a max of 100mm centres, at changes of direction and with any acute variations in levels to have morticed struts in direction of fence
- Intermediate posts to be 100 x 100mm with driven end
- Mesh to be 'Rylock' or equal high tensile net HT8/80/15 with top and bottom (* additional middle one with rabbit mesh) horizontal zinc coated high tensile lead wires with connectors to match wire 2.5mm diameter, wires to be fixed (running fix) to intermediate posts with a staple, knots not to be used. Staples to be 40 x 4mm diameter
- Rabbit mesh (when required) to be 31mm mesh x 1050mm wide hexagonal wire netting
- Concrete post foundations to be Gen 3, 450 x 450 x 450mm depth
- Some earth grading required along fence route, rake to be determined on site

FENCE DETAIL B: 1.10m High Timber Fence - To match existing



Notes:

- Timber Post & Rail Fence to BS 1722-6: 2006
- Pressure treated softwood, all parts stained with opaque brown stain, 2 coats of alkyd & acrylic resins, 2 coats following primer.
- Boards to be fixed to all posts with 2nr galvanized nails, 100mm length
- Concrete post foundations to be Gen 1, 300 x 300 x 450mm depth with 50mm gravel layer at base
- Some earth grading required along fence route, rake to be determined on site

Project Schedule (Package 2)

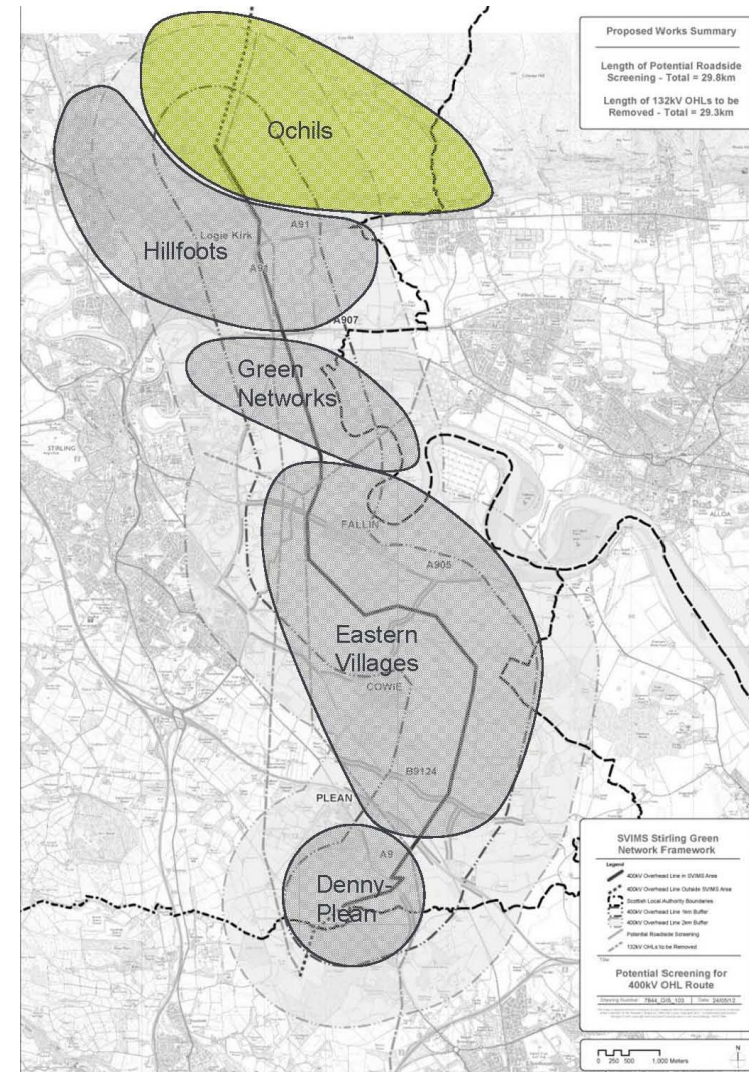
Summary of Proposed Projects:

Implementation Sept 2016 – April 2017 (TBC)

Ochils

- Sheriffmuir Road Dykes
- Sherrifmuir Road Tree Planting
- Dumyat Footpath
- Cocksburn Reservoir
- Menstrie Glen
- Wider Green Network Planting

* All projects are subject to Technical Feasibility & Landowner Consent



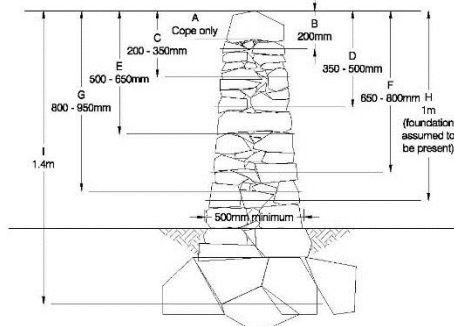
Package 2 – Sheriffmuir Road Dykes

General Arrangement

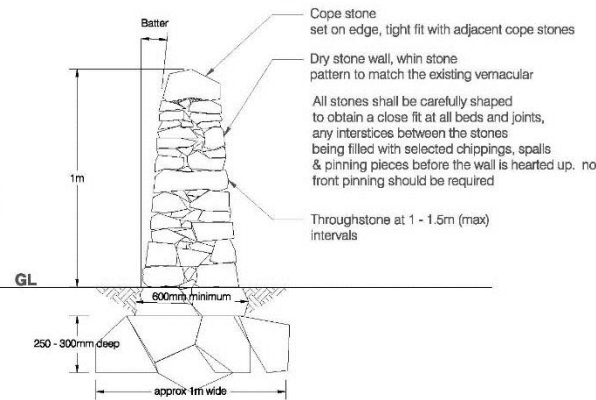
- 4km Dry Stone Walling
- Poor Condition
- Upgrade / Repair / New



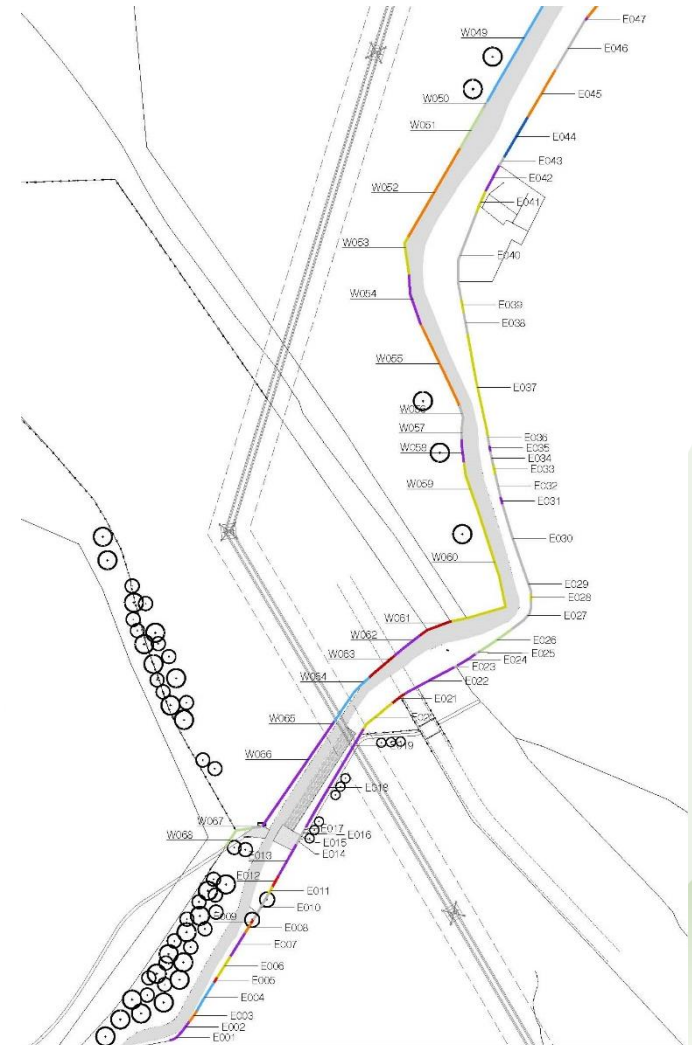
DRY STONE WALL: 1m High random rubble whin stone



Refer to Dwg 8495_F01_601 for extent of build/rebuild



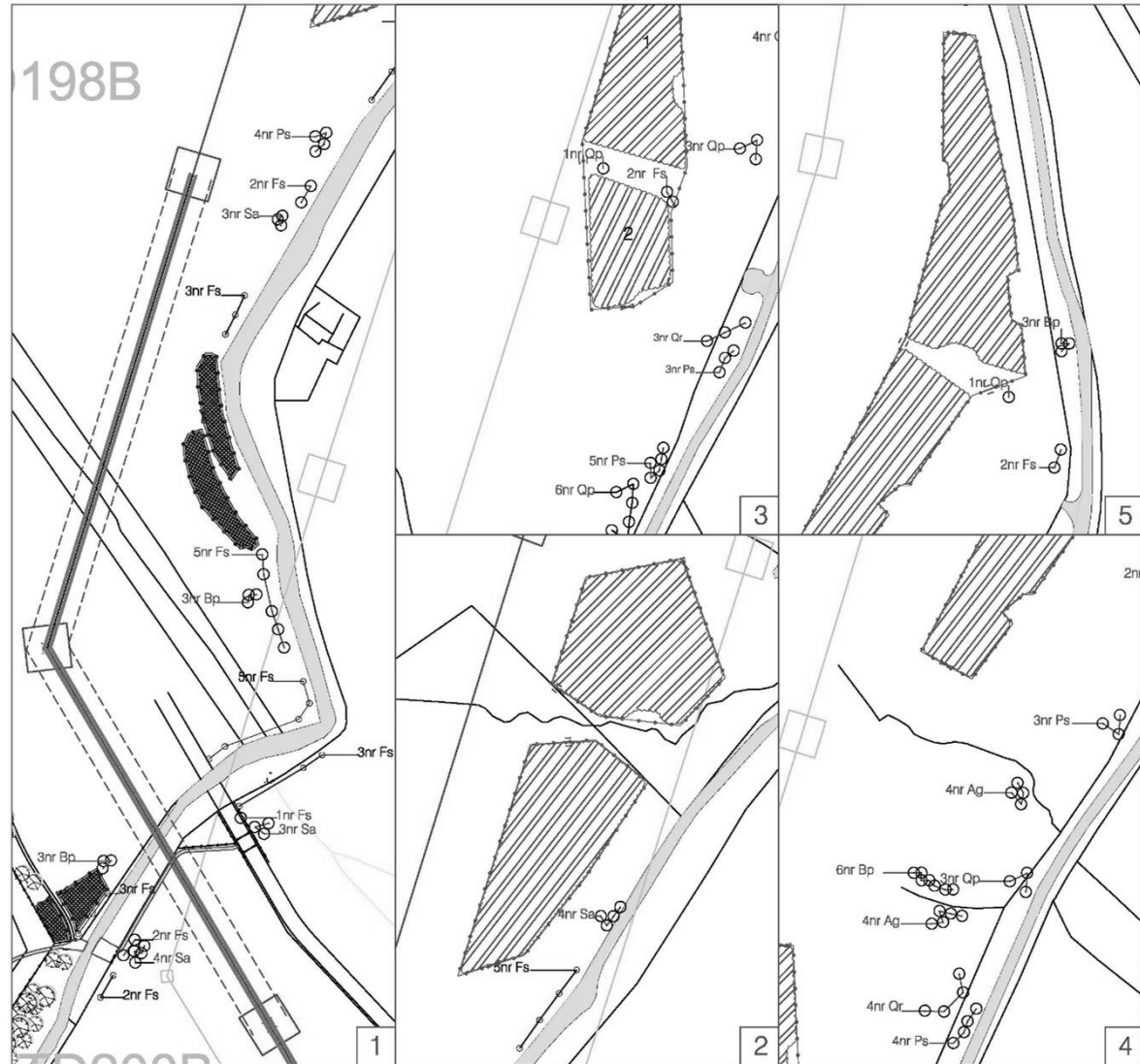
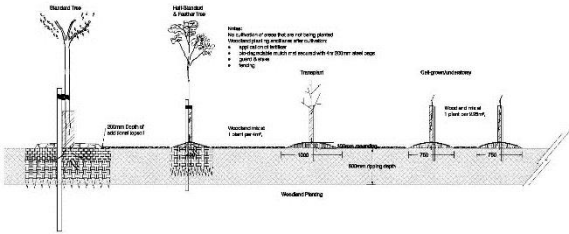
Typical Random Rubble Dry Stone Wall



Package 2 – Sheriffmuir Road Trees

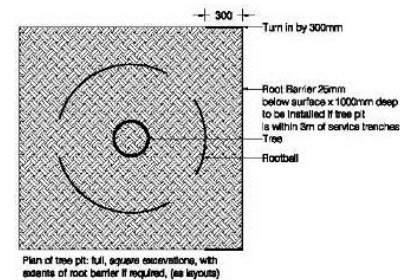
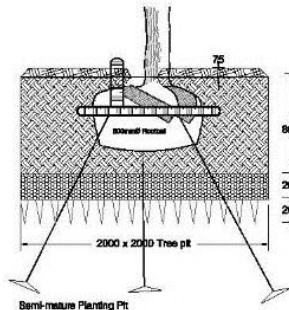
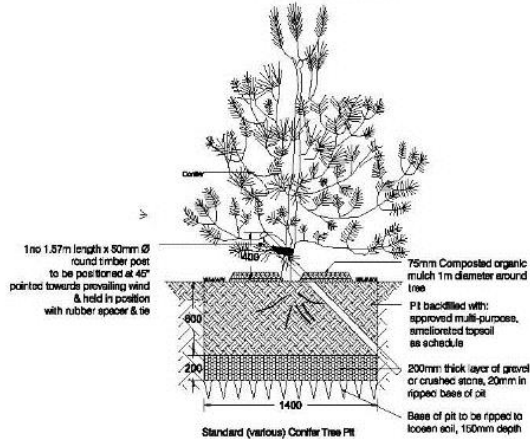
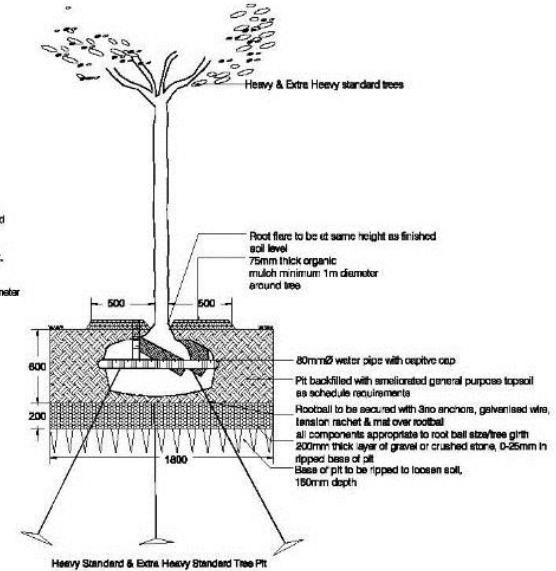
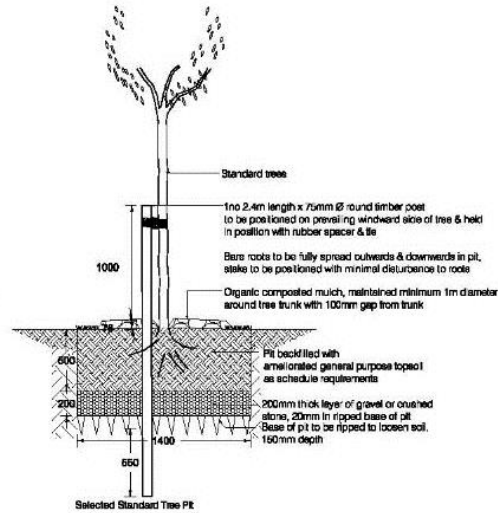
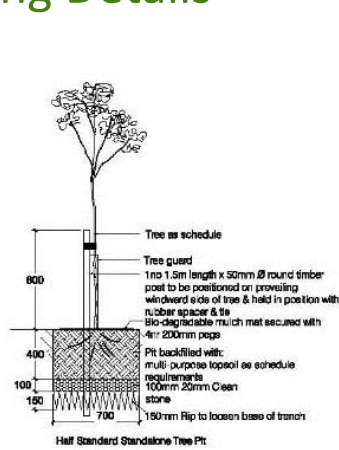
General Arrangement

- Tree Planting
- Hedge Planting
- Woodland Planting



Package 2 – Sheriffmuir Road Trees

Tree Planting Details



Project Schedule (Package 2)

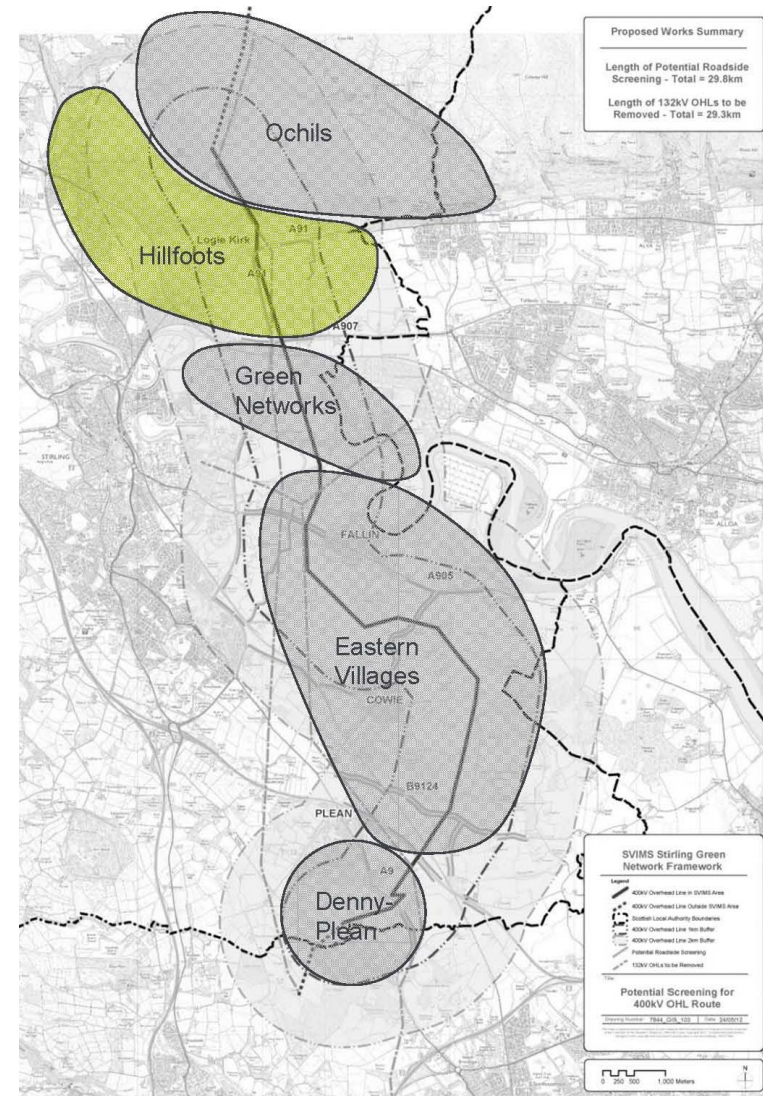
Summary of Proposed Projects:

Implementation Sept 2016 – April 2017 (TBC)

Hillfoots Initiatives

- Glen Road Repairs, Bridge of Allan
- **Oak Avenue, Logie**
- **Blairlogie Screening, Logie**

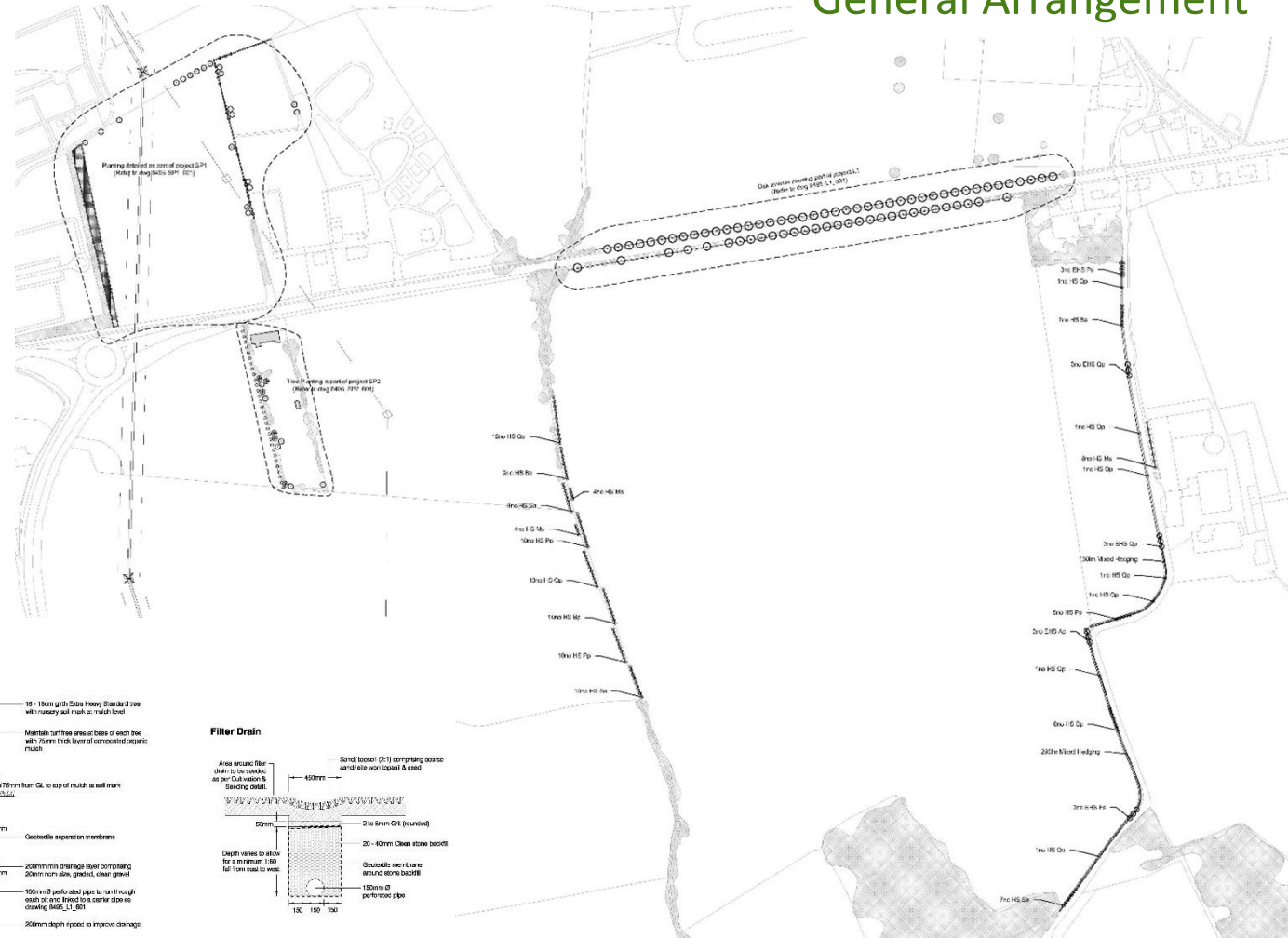
* All projects are subject to Technical Feasibility & Landowner Consent



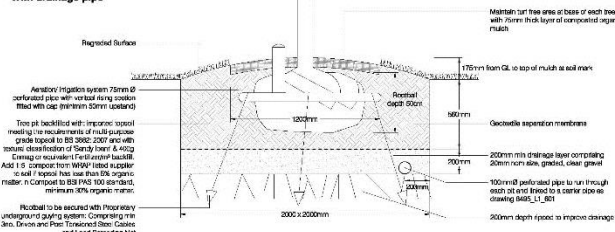
Package 2 – Blairlogie Screening & Oak Avenue

General Arrangement

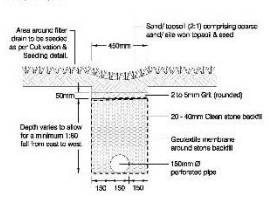
- Tree Planting
- Hedge Planting
- Fencing



Mounded Tree Pit Detail With drainage pipe



Filter Drain



Project Schedule (Package 2)

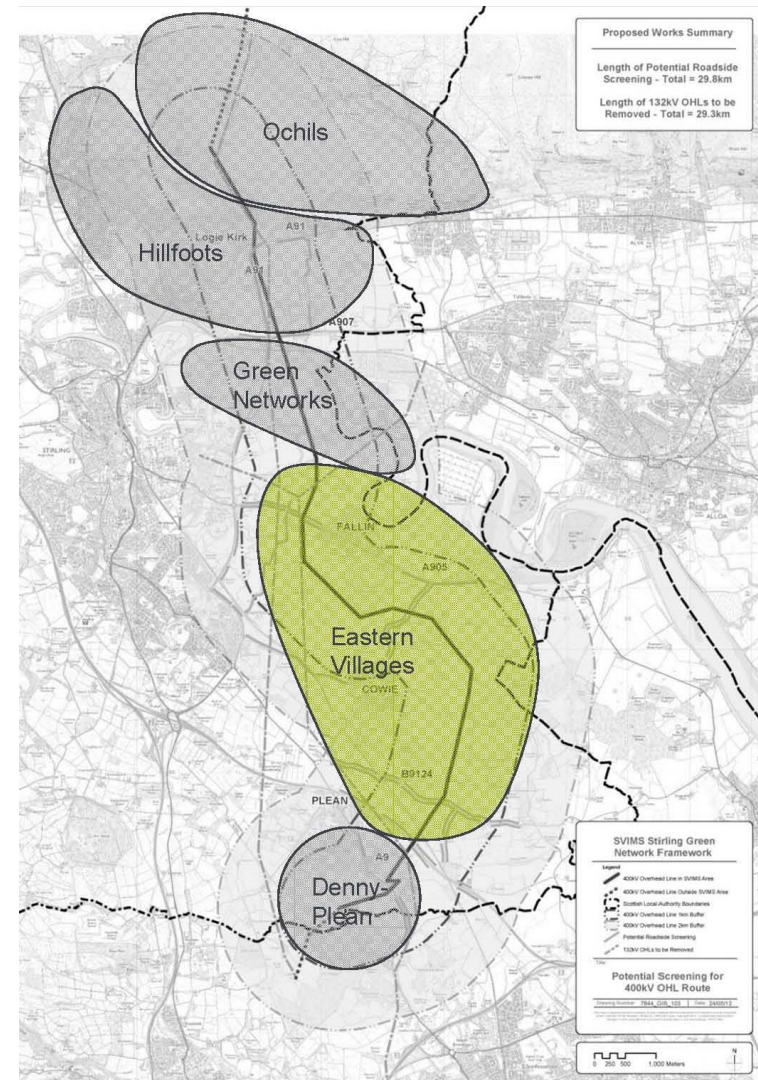
Summary of Proposed Projects:

Implementation Sept 2016 – April 2017 (TBC)

Eastern Villages

- **Village Screening, Plean**
- NCN 76 Footpath Link, Plean
- Plean – Cowie Cycle Link
- **Village Screening, Fallin**
- Community Centre Amenity, Throsk

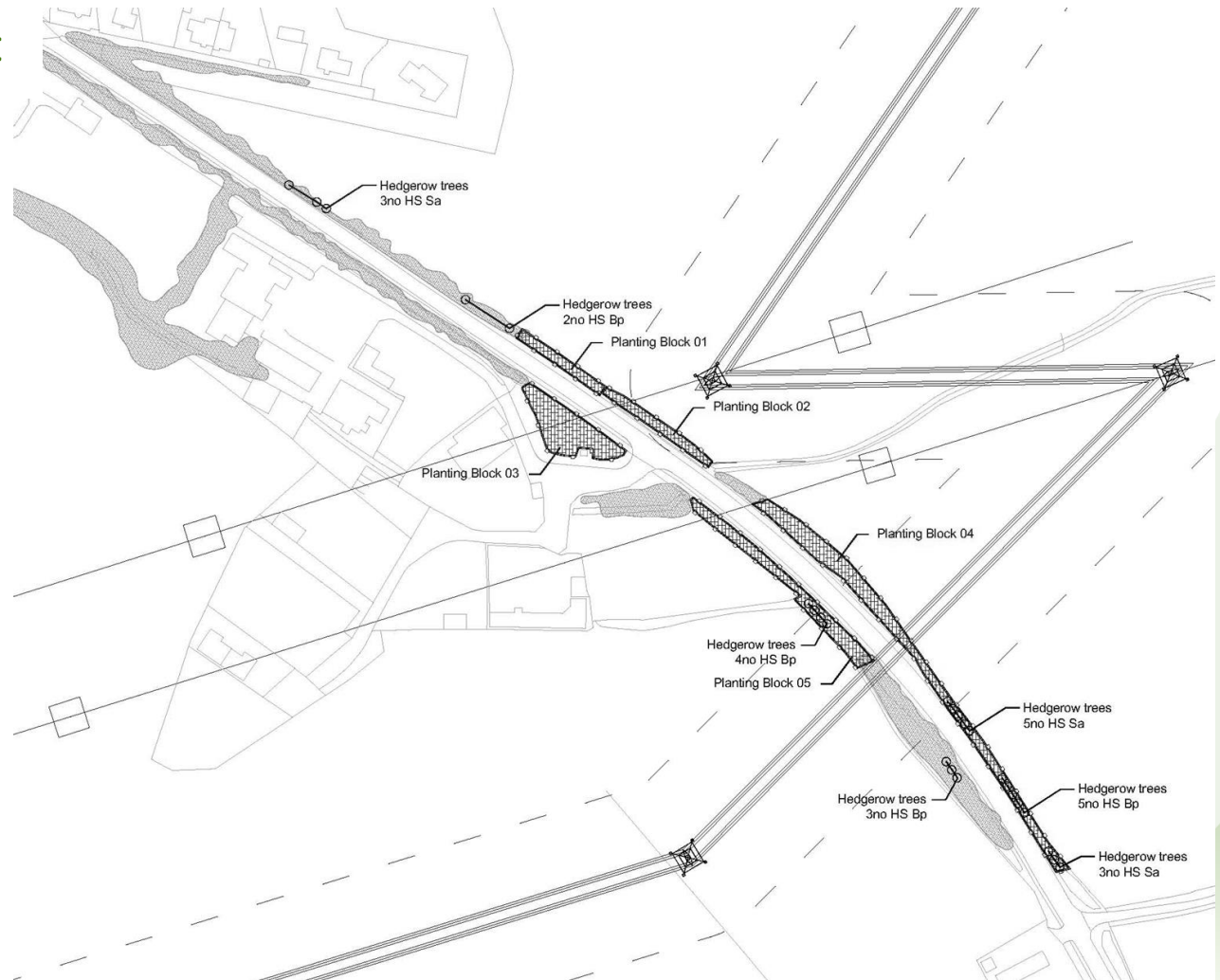
* All projects are subject to Technical Feasibility & Landowner Consent



Package 2 – Village Screening, Plean

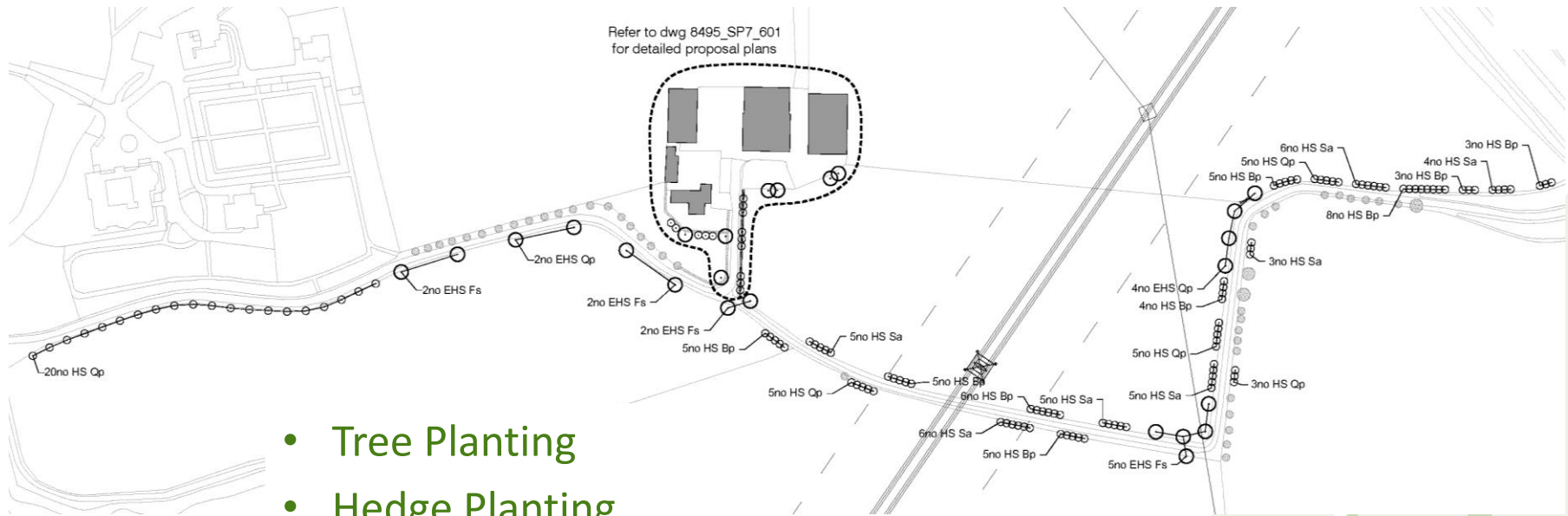
General Arrangement

- Tree Planting
- Hedge Planting
- Woodland Planting
- Fencing



Package 2 – Village Screening, Plean

General Arrangement



- Tree Planting
- Hedge Planting
- Fencing

Package 2 – Village Screening, Fallin



General Arrangement



- Tree Planting
- Hedge Planting
- Fencing

Project Schedule (Package 2)

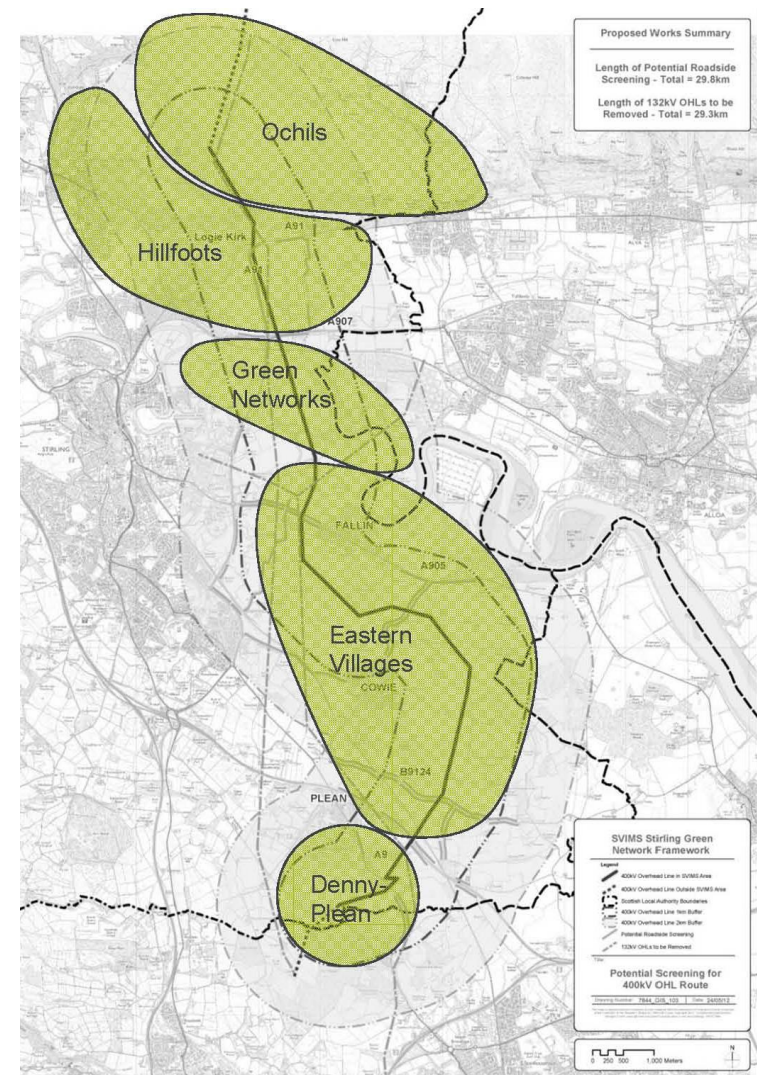
Summary of Proposed Projects:

Implementation Sept 2016 – April 2017 (TBC)

Single Property Mitigations

- Witches Craig Caravan Park
- Logie Villa
- Cushenquarter
- Hartsmailing Farm
- Langlands Farm
- Powies House
- Steuarthall House

* All projects are subject to Technical Feasibility & Landowner Consent



Project Schedule (Package 3)

Summary of Proposed Projects:

September 2017 – April 2018 (TBC)

Hillfoot Initiatives

- A91 Tree Planting

Green Network Initiatives

- Forthbank Loop
- Manis Power Bing
- Polmaise Nature Park

Eastern Villages

- Cowie – Throsk Cycleway

Single Property Mitigations

- Remaining Single Properties

* All projects are subject to Technical Feasibility & Landowner Consent

Potential / Amended/ Incidental Projects

- Private Properties (additional mitigation)
- Polmaise Nature Park
- Ochils Orienteering/ Paths Project
- Footpath Connection – Torwood to Plean



Landowner & Maintenance Agreement

Landowner & Maintenance Agreement

- Draft based upon CSGN Template
- Reviewed by SPEN
- Final issued to Partnership Group for Comments & Approval
- Package 1 Memorandum of Agreements Signed January 2016

Maintenance Agreement

- 2 Year Fixed Establishment Maintenance Periods
- Fit for Purpose/ Robust Designs/ Regular Maintenance Visits
- Future Maintenance

Projected Spend Summary

Package 1 Works

- Projects / tendered works Package 1 circa £500k +/-

Package 2 Works

- Projects / design estimates Package 2 circa £2400k +/-

Package 3 Works

- Projects / design estimates Package 3 circa £1500K +/-

Consenting Costs

Design Fees

Maintenance Agreements

Contract Supervision

Next Steps (February – August)

Package 1

- Appointment of Main Contractor – March 2016
- Commencement on Site – April 2016
- Completion on Site – September 2017

Package 2 – All dates to be confirmed

- Complete Detailed Design – February 2016
- Complete all Landowner Discussions & Agreements – April 2016
- Issue Package 2 Tender – May 2016

Other

- Beaulieu Denny Partnership Group Meeting – May 2016
- Issue Community Engagement e-Newsletter (Q2 2016) – April 2016



**SP ENERGY
NETWORKS**

**BEAULY to DENNY OVERHEAD TRANSMISSION LINE
Environmental Mitigation
B-D Legacy Steering Group Update**

Beauly Denny Partnership Group
19.02.2016