

# Southampton to London Pipeline Project

## Deadline 4

Site Specific Plan - St Catherine's SANG  
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# 1 Introduction

- 1.1.1 This plan provides further detail on the potential impacts, construction techniques and mitigation measures in this area as a standalone document that is certified as part of the Development Consent Order (DCO). Esso is required to comply with and implement the Site Specific Plan under Requirement 17 of the DCO (**Document Reference 3.1 (5)**).
- 1.1.2 The Suitable Alternative Natural Greenspace (SANG) at St Catherines Road was created in 2010 as part of a planning permission for 60 dwellings on the former Clewborough House School site, St Catherines Road, Frimley (SU/2009/0500).
- 1.1.3 The methodology covers the following:
- access;
  - vegetation removal;
  - construction programme;
  - enabling works;
  - Open Cut installation through the SANG; and
  - reinstatement.



## 2 Construction Programme

- 2.1.1 Assessment of the preferred construction methodology indicates that works within the SANG will take up to 13 months. This may not be 13 months of continuous work as the works will need to take account of any seasonal constraints such as ecological constraints and optimum replanting periods.
- 2.1.2 As set out in the Code of Construction Practice (CoCP) (**Document Reference 6.4 Appendix 16.1 (3)**), all construction activities within the SANG will be fully demobilised within the two-year period and reinstatement completed with all protective fencing removed unless otherwise agreed with the local authority.
- 2.1.3 Notwithstanding the above constraints, the detailed scheduling of the works will look to rationalise and work simultaneously where there is the ability to do so, to reduce disturbance to the SANG. Once the construction plans have been finalised, the local community will be informed and updated in line with the Community Engagement Plan (**Document Reference 8.52**).
- 2.1.4 Below is a summary of works and estimated duration but is subject to detailed programming and uncertainties such as weather and ground conditions.

**Table 2.1: Estimated duration of works (based on working 6 days per week)**

Works	Estimated Duration
Enabling works	2–3 weeks
Mobilisation	3 weeks
Open Cut	6 weeks
Construction compound	32 weeks. Supporting works within St Catherines Road
Reinstatement	4–6 weeks. Reinstatement of the SANG will take into account seasonal constraints and will occur in the first available planting season.

- 2.1.5 No stringing out for horizontal directional drilling (HDD) is expected in the SANG, as the proposed method of installing the pipe in St Catherines Road is Open Cut. However, a stringing out area and associated reception pit area has been included with the Order Limits in the SANG as a contingency, in case the Open Cut installation in St Catherines Road is technically infeasible.
- 2.1.6 Should the installation method in St Catherines Road be by HDD, the size and duration of the compound is likely to be reduced.



## 3 Description of Works

### 3.1 Access

- 3.1.1 Public access into the SANG will not be prevented by the works. The undesignated paths/tracks within the SANG will be crossed by the working area. At the intersection between the working area and footpath/tracks, pedestrian crossing points will be installed, similar to those used for Public Rights of Way crossings. Pedestrians will have priority at these crossing points – the gates will only be 'closed' when works require. At such times, operatives will be stationed at the crossing point to facilitate public access as is possible. Additional signage for diversions onto alternative existing paths will be put in place as appropriate in advance of any closures.
- 3.1.2 The circular walk will be impacted by construction. However, this will be adjusted to allow people to utilise a shortened route during the works.
- 3.1.3 Note, the Public Rights of Way are outside of the SANG designated area. Access to these will be maintained during installation.

### 3.2 Vegetation Removal

- 3.2.1 The local landscape character of St Catherines SANG comprises formal paths within amenity grassland and trees. Young trees are scattered within the Order Limits with larger more mature trees around the boundary of the SANG, some of which are located within the SANG and some within the adjacent land. It is anticipated that none of the mature trees will require removal.
- 3.2.2 Sections 3.3 and 3.4 below outline the approach that will be taken during construction to reduce the impact to vegetation and trees within the SANG. As per Requirement 8(1)(a) of the DCO (**Document Reference 3.1 (5)**), the retention and removal of vegetation within the park must be undertaken in accordance with this Site Specific Plan (including the construction stage plan) unless otherwise agreed by the relevant planning authority.
- 3.2.3 It is anticipated that the Open Cut may require the removal of some young trees and shrubs and branch lopping of nearby trees.
- 3.2.4 It is anticipated that the compound will require the removal of a small number of young trees and shrubs which have recently been planted within the SANG but not the mature trees on the boundary with Frith Hill, although and branch lopping maybe required.
- 3.2.5 A narrow working area of a maximum 15m width will be used for the installation of the pipeline through the SANG. The topsoil and vegetation from this area and the compound will be removed, prior to any construction works.
- 3.2.6 The mature trees along St Catherines Road will be protected from impact by the compound area.



### **3.3 Enabling Works**

- 3.3.1 This primarily consists of creating the construction compound – (Works 5C).
- 3.3.2 The temporary construction compound (5C) will be located in the southern corner of the SANG. It serves installation of the pipeline within the SANG and for St Catherines Road to the south.
- 3.3.3 The construction compound is located on the grassed area of the SANG. No trees will need to be removed to construct the compound, but some may require lopping of overhanging branches. This will be undertaken by licenced professionals. Tree Protection Zones will be established within the compound (with ground protection or fencing).
- 3.3.4 The topsoil will be stripped and neatly stored to one side of the compound, which will provide additional noise and visual screening of the compound from users of the SANG. The compound area will be covered with a permeable surface.
- 3.3.5 The compound will be fenced with a 2m high Heras perimeter fence that is bolted together and placed on rubber weighted feet for stability. Lighting will be installed, facing down and away from receptors, and only used while the compound is occupied during the working day, with the exception of security lighting. The compound will be fully secure, with locked gates and on-site 24-hour security team and CCTV.
- 3.3.6 Construction access will be via the temporary construction compound, which is entered directly off St Catherines Road. When works are undertaken in St Catherines Road, the road will be closed to traffic approximately from the construction compound entrance to a point beyond the location of Balmoral Drive.

### **3.4 Open Cut Installation**

- 3.4.1 Open Cut installation will take place along approximately 160m of the eastern boundary of the SANG.
- 3.4.2 The construction of the pipeline through St Catherines SANG will likely commence from the northeastern corner, heading in a southerly direction within a narrow working width towards the temporary construction compound off St Catherines Road.
- 3.4.3 There is a narrow working commitment (NW20) reducing the working width to 15m, which covers the total length of Open Cut installation within St Catherine's SANG.
- 3.4.4 The SANG is on the boundary of Frith Hill woodland, and the edge is populated with mature trees.
- 3.4.5 Trees being retained will be protected from installation activity in line with commitment G95: *'The contractor(s) will consider and apply, the relevant protective principles set out in the National Joint Utilities Group Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees ('NJUG Volume 4' (2007). This will be applied to trees within the Order Limits which will be*



*preserved through the construction phase, and to trees outside of the Order Limits where such measures do not hinder or prevent the use of the relevant working width for construction.'*

- 3.4.6 The project Environmental Clerk of Works and arboriculturalist will monitor and provide advice when any works to trees, such as branch removal, are required.
- 3.4.7 This work will be undertaken to clear the working area within the SANG before the fencing is erected. Warning signage to indicate restricted zones will be erected to alert the public to the works. All material will be removed and recycled.
- 3.4.8 All fabrication works (such as grinding, welding, coating and testing) will be undertaken behind screens or within shelters in order to reduce any impact on the users of the SANG. These screens will include acoustic protection if required.
- 3.4.9 The existing footpaths are in good condition. These footpaths cross the intended working area. As such, a gate-system, similar to those used for Public Rights of Way, will be implemented with the priority given to pedestrians. A shortened circular path will be maintained for the duration of the works and access will be possible into the neighbouring Frith Hill.
- 3.4.10 Size of plant (vehicles and machinery) will be smaller than traditional Open Cut plant. This is necessary to work safely within the reduced 15m working width.

## **3.5 Reinstatement**

### **Vegetation**

- 3.5.1 Where the topsoil has been stripped and stored, this will then be replaced after the works have been completed and either reseeded or left to naturally regenerate, following discussion with Surrey Heath Council.
- 3.5.2 The reinstatement plan will be included within Appendix B of the Landscape and Ecological Management Plan (LEMP) (**Document Reference 8.50**) for the approval of the relevant planning authority as per Requirement 8(1)(b) and Requirement 12 of the DCO (**Document Reference 3.1 (5)**).
- 3.5.3 The vegetation reinstatement will be subject to a five-year aftercare period.

### **Undesignated Paths**

- 3.5.4 The circular walk around the SANG will be reinstated to previous condition throughout.
- 3.5.5 Footpaths crossed by the working area will be reinstated once the Open Cut works are complete. Like-for-like footpath surfacing will be used for reinstatement, unless otherwise agreed between Esso and Surrey Heath Borough Council

All construction activities within the SANG will be fully demobilised within the two-year period and reinstatement completed with all protective fencing removed unless otherwise agreed with the local authority.



## **Appendix A – Area Plan**





- Legend**
- Order Limits
  - Suitable Alternative Natural Greenspace (SANG) (area covered by this site specific plan)
  - Existing aviation pipeline and multifuel lines
  - Bridleway
  - Undesignated path
  - Statutory services line

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