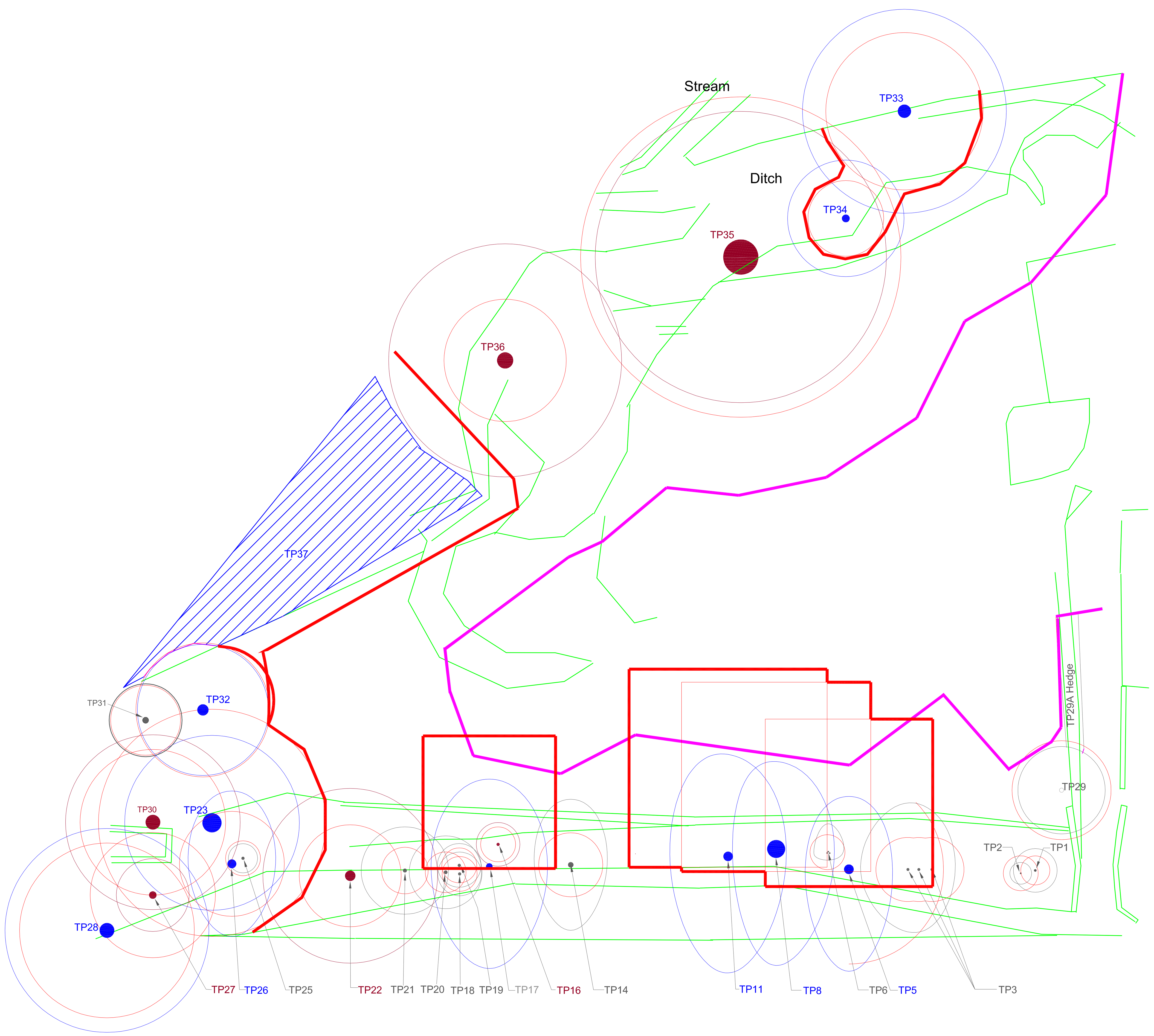


ARBORICULTURAL METHOD STATEMENT (NOT LOCATION SPECIFIC)

SEQUENCE OF WORKS

From commencement of the development, it is recommenede the following methodology be implemented in the manner and sequence described:

1. Pre-contract site meeting.
2. Arboricultural pruning and/or felling works.
3. Install temporary ground protection.
4. Erect temporary protective fencing.
5. Route underground services.
6. Main construction phase.
7. No-dig hard surfacing (sections) construction.
8. Remove of temporary ground protection and fencing.
9. Landscape works.

1. PRE-CONTRACT SITE MEETING

To outline on-site working methods in relation to trees prior to any construction activity,it is recommended a site meeting of the following take place:

- Client
- Architect/Planning Consultant
- Structural Engineer
- Main Contractor
- Arboriculturist
- Site Agent

2. RECOMMENDED SCHEDULE ARBORICULTURAL PRUNING AND/OR FELLING WORKS

1. Before the erection of the temporary protective fencing, all tree removal shall be implemented in accordance with the Tree Survey Schedules.
2. All possible efforts must be made to prevent damage to retained trees including potential root incursion or compaction caused by vehicle access. Temporary ground protection should be used to achieve the latter.
3. All arboricultural works should conform to the recommendations of BS 3998 (1989) 'Recommendations for Tree Work'.
4. All operatives shall be equipped with and use personal protective equipment (PPE) in accordance with Health & Safety Executive current directives and industry codes of practice.
5. Wound sealants shall not be used on any tree.
6. Performance of all arboricultural operations and use of equipment shall be in accordance with current Health & Safety Executive current directives and industry codes of practice.

3. INSTALL TEMPORARY GROUND PROTECTION

1. For wheeled or track construction vehicle traffic along the site access route and/or within the Root Protection Areas (RPA's), the ground protection should be designed by an engineer to accommodate the likely loading and may involve the use of proprietary systems or reinforced concrete slabs.
2. The areas designated for ground protection should be clearly marked on the Architects plan drawing and/or Tree Protection Plan (TPP).

4. ERECT TEMPORARY PROTECTIVE FENCING ERECTION

1. Following completion of the tree felling and prior to construction, the main contractor shall erect the temporary protective fencing as detailed in the 'Tree Protection Specification'.
2. Prior to commencement of any site demolition, construction, preparation, excavation or material deliveries, the Arboriculturist will inspect installation of the temporary fencing. Any damage occurring to protective fencing during the demolition or construction phase shall be made good by the main contractor.
3. Excavation shall not occur at a distance of less than 300mm from the temporary protective fencing.

5. ROUTE UNDERGROUND SERVICES

Unless an emergency arises, there shall be no new excavation for the installation, renewal or repair of underground services within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing (unless very low root volume is established beforehand). In the case of an emergency, the Arboriculturist should be contacted for advice and guidance.

6. MAIN CONSTRUCTION PHASE

1. There shall be no storage of construction material, site parking, site accommodation or equipment in any area designated as the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing.
2. No fires shall be lit within 15m of any tree.
3. The site agent shall supervise deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees and/or hedgerows are not at risk of damage.

7. NO-DIG HARD SURFACING (SECTIONS) CONSTRUCTION & RESURFACING OF EXISTING HARD SURFACES IN PROXIMTIY OF RETAINED TREES

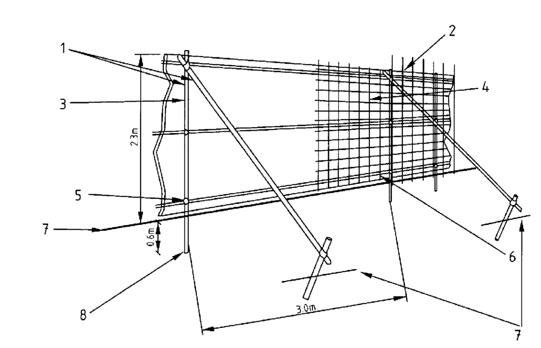
1. Any new hard surface sections for new access roads, vehicular turning areas and the paved areas should be constructed over existing ground without excavation other than the removal by hand of surface vegetation and minor (<100mm high) surface irregularities or loose soil to a depth of not more than 150mm.
2. Final surface levels adjacent to the no-dig sections of hard surfacing shall be dictated by final surface levels to the 'no-dig' section and not vice-versa.
3. The existing hard surfaces in proximity to retained trees shall be maintained, with only light resurfacing materials added to avoid unnecessary excavation and potential root disturbances.

8. REMOVAL OF TEMPORARY GROUND PROTECTION AND FENCING

1. Temporary protective fencing shall be removed only upon completion of construction and hard surfacing works only.

9. LANDSCAPE WORKS

1. Landscaping works will be implemented in accordance with a scheme approved by the Planning Service.
2. There shall be no rotovation of ground within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing.
3. Sandy topsoil may be spread within the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) to a depth of no more than 150mm to facilitate the establishment of new vegetation. No other addition of soil or other material shall be carried out within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) without consultation with the Planning Service.
4. No hard landscaping works or excavation for cables or any other service should be installed within the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) without the written consent of the Planning Service.



1 Standard scaffold poles
2 Uprights to be driven into the ground
3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4 Weldmesh wired to the uprights and horizontals
5 Standard clamps
6 Wire twisted and secured on inside face of fencing to avoid easy dismantling
7 Ground level
8 Approx. 0.6 m driven into the ground

Figure 2 – Protective barrier

TREE PROTECTION PLAN inc.
TREE CONSTRAINTS PLAN

Root Protection Area (RPA)	10
Construction Exclusion Zone (CEZ1)	210
Construction Exclusion Zone (CEZ3)	
Tree Categories (Quality Assessment) Refer to AIA Table 1 Cat R (Colour Code includes Crown Spread, Tree No. & Centre)	246
Cat A (Colour Code includes Crown Spread, Tree No. & Centre)	90
Cat B (Colour Code includes Crown Spread, Tree No. & Centre)	170
Cat C (Colour Code includes Crown Spread, Tree No. & Centre)	252

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Phase One Drawing

A	As per amendments list detailed in main survey literature as 'Amendment Two'	17/02/11

Arboricultural Drawings detailing RPA's, CEZ's and Category Grading of Trees

PRELIMINARY DRAWING

D

DRG TITLE

Tree Constraints Plan For
Afon Terrace, Afon Goch, Ruabon
Application No. P/2010/1040

Scale	Date	Drawn	Checked
1:200 @ A1	Feb 2011	CEH	

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