

DO NOT SCALE

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As a requirement of Wrexham County Borough Council department of Planning, this Arboricultural Method Statement has been prepared to clearly define the actions and measures to be taken in respect of the physical protection of retained trees within and immediately adjacent the proposed development site, in advance of, during and after the completion of the construction phase of the development.

The purpose of this plan is to discharge conditions 15, 16, 17 and 18 of the Draft Planning Decision Notice dated 22nd February 2019 which read:

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15. With the exception of the deadgerow removal and Tree refs: T5 and T6 required to form the vehicular and pedestrian access, all other existing trees, shrubs and hedges shown on drawing refs: 10349.03G.dsj shall be permanently retained and shall not be cut down, grubbed out, lopped or uprooted. Any trees, shrubs or hedges removed or being severely damaged or becoming diseased shall be replaced with trees, shrubs or hedging plants of an appropriate size and species all within a timescale to be approved in writing by the local planning authority.

16. No part of the development shall commence until a detailed Arboricultural Method Statement has been submitted to and approved in writing by the Local Planning Authority. No development or other operations shall take place except in strict accordance with the Method Statement as is approved. The Method Statement shall include the following:

- a) A specification for tree protection fencing and ground protection measures that comply with British Standard BS33:2012; and
- b) A detailed Arboricultural Plan showing the location of the trees to be removed and retained and their crown spreads, Root Protection Areas, Construction Exclusion Zones, and location of protective fencing and ground protection measures accurately plotted;
- c) A full specification for any access, driveway, path, underground services or wall foundations within retained tree Root Protection Areas or Construction Exclusion Zones, including any related sections and method for avoiding damage to retained trees;
- d) Details of general arboricultural matters including proposed practices with regards to cement mixing, material storage;
- e) Details of the frequency of supervisory visits and procedures for notifying the findings of such visits to the Local Planning Authority;
- f) Method for protecting retained trees during demolition works;
- g) Details of all proposed tree works, including felling and pruning.

17. No part of the development shall commence until full details for any hard surfaced areas within retained tree(s) Root Protection Areas, as specified by BS5837:2012 or as shown on a Tree Protection Plan, have been submitted to and approved in writing by the Local Planning Authority. The details shall include existing and proposed levels, a specification for hard surfaces, and a method statement detailing the construction process. The works shall be carried out in strict accordance with the details as approved.

18. No part of the development shall commence until full details for the arboricultural supervision of tree protection measures and any ground works within retained tree(s) Root Protection Areas, as specified by BS5837:2012 or as shown on a Tree Protection Plan have been submitted to and approved in writing by the Local Planning Authority. The supervisory works shall be carried out in strict accordance with the details as approved.

All tree works must be carried out to the agreed schedule subject to the appropriate consent(s) being in place. All works must be carried out to a minimum of the standards contained within BS3998: 2010 *Tree work - Recommendations* or any subsequent revision, by a reputable contractor, insured and qualified to current industry standards. All waste must be disposed of in accordance with current waste transfer regulations.

Once erected, no access will be permitted beyond the line of the tree protection fence without the prior approval of the project arboriculturist. No storage of materials is permitted within these areas, no dumping of waste or spilling of liquids (including run-off into the exclusion zone or drift from any sprays) and no lighting of fires within 10m of the outer canopy spread of any retained tree within the site.

Protective fencing is to be erected to the specification shown on the method statement drawing and retained in-situ until the project arboriculturist and / or the local planning authority tree officer confirms in writing that it may be moved / removed. Periodic inspections should be made by an appropriately qualified and experienced person (preferably the project arboriculturist) to ensure the fencing is maintained in good order / condition and that it is not being moved / removed without appropriate consent.

All services, whether that be drainage (surface water or foul), gas, electricity, telephone, cable or any other services associated with the construction and occupation of the proposed development are to be located outside of the root protection area of retained trees unless with the prior approval of the project arboriculturist and in accordance with industry standard provisions (for example, but not limited to National Joint Utilities Group guidance).

All access to the site is to be via approved vehicular and pedestrian routes.

The site compound area is to be identified and approved by the project arboriculturist in advance and constructed in a manner to avoid any adverse impact on retained trees, shrubs or hedges.

Parking for site personnel is to take account of fenced off areas and root protection areas.

Construction activities are to be phased such as to allow adequate working space and to comply with the tree protection requirements.

All excavation works are to be carried out in a manner that avoids damaging retained trees, shrubs or hedges. Where applicable, excavation machinery is to be sited away from exclusion zones with the work progressively moving away from retained trees, shrubs and hedges.

There is strictly no storage of soils, subsoils, stone, building materials, excess timber from tree felling operations or brushwood permitted within exclusion zones or immediately adjacent fenced-off areas where the collapse of such piles could cause damage to protective fencing.

All waste from site works is to be disposed of in accordance with approved environmental legislation and best practice guidance.

Inspections in accordance with the agreed schedule and as instructed by the client should be made by the project arboriculturist to ensure compliance with the Method Statement and the appropriate planning conditions.

Any deviation from this statement, whether intended or inadvertent, may result in a breach of planning condition(s) and enforcement action may be taken.

All relevant legislation must be taken into consideration prior to the commencement of any works on site, particularly in relation to works to trees. Where statutory controls apply, including Tree Preservation Orders, Conservation Areas, the requirement for a Felling Licence, relevant planning conditions or any statute relating to wildlife protection or protected species, those both instructing and carrying out works that directly or indirectly affect them must first satisfy themselves that all appropriate consents are in place and that notifications have been served. Where these circumstances have elapsed, failure to do so is likely to result in enforcement action involving in some cases, criminal prosecution and substantial fines, as well as the potential cessation of all works on site until any and all breaches are fully rectified to the satisfaction of the local planning authority.

The contents of this statement in no way constitutes an instruction to proceed with any works without the full written consent of the relevant local planning authority.

NOTE: Should any queries arise over the content of this document or there be a need for works within or immediately adjacent the Root Protection Areas, the appointed site arborist **MUST** be contacted for advice in advance. Failure to follow the measures contained within this document could lead to enforcement action being taken.

NOTE TO LOCAL AUTHORITY: This document does not imply that Ascerta has been retained to oversee, supervise or manage any aspect of the tree protection proposals at any stage of the development.

Any queries in relation to this document should be referred in the first instance to Ascerta by telephone on 0845 463 4404 or alternatively by email at info@landscapetreescology.com

(DETAILS TO BE ADDED WHEN CONTACTS ARE KNOWN)

Title	Company	Contact	Email	Telephone
Site Agent				
Groundworks contractor				
Demolition contractor				
Project Arboriculturist	Ascerta	Robert Armitage	rob@landscapetreeseecology.com	0845 463 4404
LPA Planning Officer				
LPA Tree Officer	Wrexham Council	Jon Brewin	Planning@wrexham.gov.uk	01978 298763

Standard HB Kerb with concrete bedding. Specified by others.

Porous Tarmac surface, as per client details

Treotex Geotextile for separation and protection (if required)

Cellweb TRP 75-200mm with clean angular stone Type 4/20

Cellweb TRP 75mm - 200mm

Existing ground

Treotex Geotextile for separation and protection

25mm Overfill Clean Angular Stone

Note: Subbase could be required depending on the existing ground CBR % and the type of traffic on the surface.

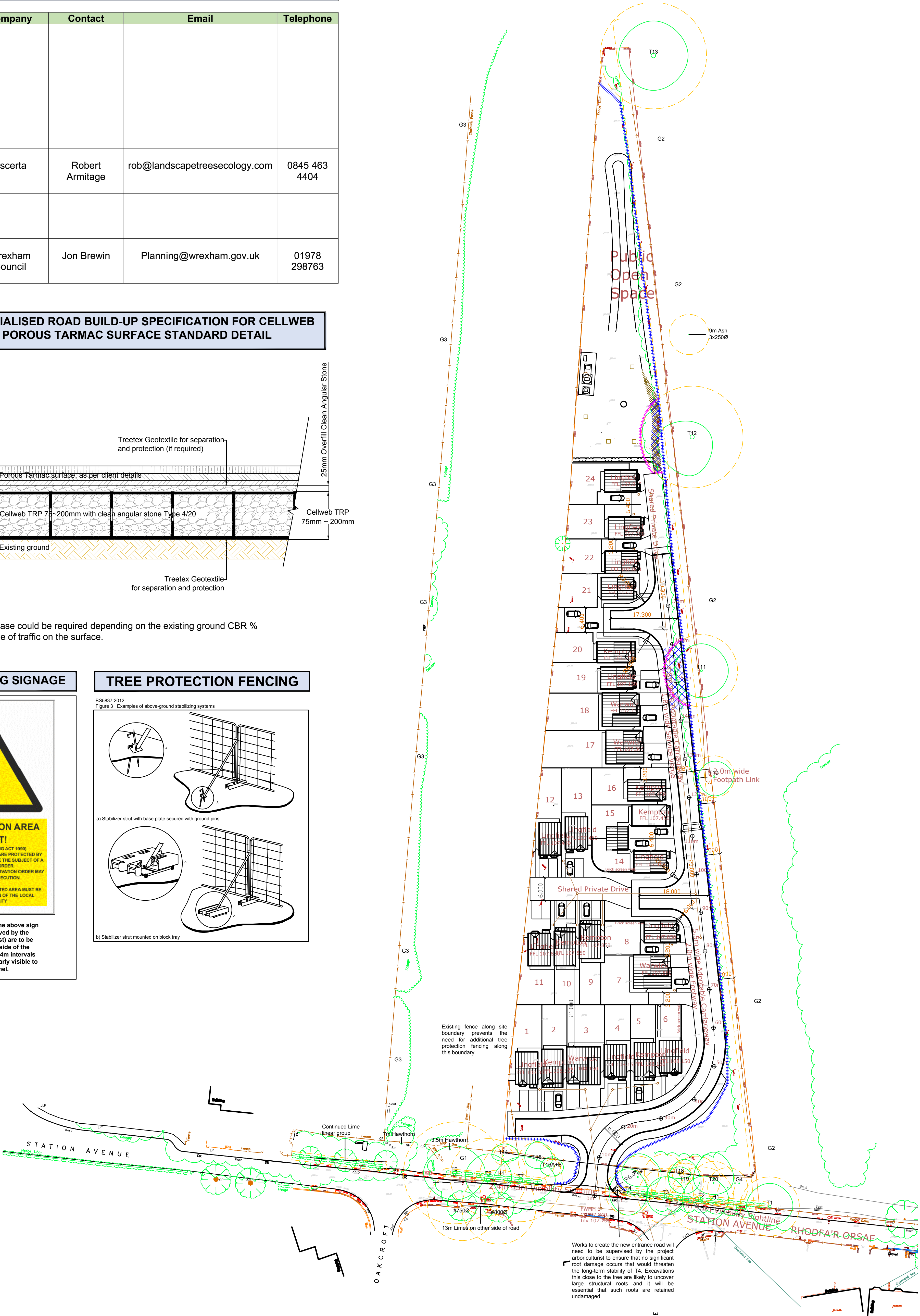
B56637-2012

Figure 3 Examples of above-ground stabilizing systems

Figure 3 consists of two parts, (a) and (b), each showing a side view and a top-down view of a stabilizing system. Part (a) shows a stabilizer strut with a base plate secured with ground pins. The side view shows a vertical grid structure with a horizontal stabilizer strut attached to it. The top-down view shows the base plate with two ground pins. Part (b) shows a stabilizer strut mounted on a black tray. The side view shows a vertical grid structure with a horizontal stabilizer strut attached to it. The top-down view shows the black tray with the stabilizer strut mounted on it.

a) Stabilizer strut with base plate secured with ground pins

b) Stabilizer strut mounted on black tray



TREE WORK RECOMMENDATIONS – RETAINED TREES					
T.NO	SPECIES	HT (m)	STEM DBH (mm)	TREE WORKS	CAT
					GRADE
T4	Lime	14	#500	Lift canopy to 4m above proposed road and footpath and prune epicormic back to main stem as necessary to provide a suitable clearance for working space.	B2
T12	Oak	11	1100	Lift canopy to 4m above proposed road. This will require the removal of one 150mm DBH branch coming into site (west) and one 80mm DBH branch growing towards ground, again on the western side of canopy.	B2
G2	Hawthorn, Elder, Ash, Sycamore and Cherry	14	#140 ave	Prune sides back to previous pruning points to create a more uniform, maintained linear feature.	B2

	TREE PROTECTION MEASURE	AFFECTING	DESCRIPTION/ SPECIFICATION AND PROCEDURE
1	ARBORICULTURAL ATTENDANCE AT INITIAL SITE MEETING	ALL TREES	Site agent to be briefed on content of this document and location of protective fencing to be marked out on site using fluorescent paint or similar. Site specific tree protection measures to be discussed, including timing, implementation and the need for such measures.
2	ARBORICULTURAL SITE SUPERVISION / SITE VISIT	T4, T7, T10, T11 and T12	Project arboriculturist to attend site prior to the commencement of the 'SITE WORKS' task as identified in SEQUENCE OF OPERATIONS - GANTT CHART to oversee and ensure the successful implementation of the identified 'TREE PROTECTION MEASURE'. Arboriculturist to supervise the entire 'SITE WORKS' until completion within root protection areas.
3	SHALLOW EXCAVATIONS	T4, T7, T10, T11 and T12	Excavations to create the new entrance road, which will involve the partial removal of the existing footpath and kerb, will only be permitted to the depth of the existing hard standing sub-base to retain any potential roots beneath this surface. Large structural roots near the base of T4 will not be severed during excavations. Excavations for the sections of road within the IPA of T11 and T12 only permitted to remove surface layers of vegetation and loose top-soil to provide a level for the new specialised road surface. Works in both these areas of the site to be supervised by the project arboriculturist to ensure no significant root damage occurs.
4	ROOT PRUNING	T4, T7, T10, T11 and T12	Roots exposed during excavations <25mm to be pruned cleanly back to the soil surface using tools appropriate to the task. Roots >25mm to be assessed on site by the project arboriculturist as to whether pruning is safe / appropriate.
5	SPECIALISED SURFACE DESIGN / GEOTEXTILES	T11 and T12	Surface to be constructed to the attached specification (see inset). There must be strictly no excavations beyond initial clearance of surface vegetation and loose topsoil to provide a level, to preserve as much root zone and live roots as possible.
6	LIAISON / INFORM LPA	ALL TREES	Ascertain to inform Local Planning Authority that 'TREE PROTECTION MEASURES' have been implemented effectively and that all Tree Protection Fencing can now be removed from site without any risk to retained trees.

Existing tree to be retained		Proposed permanent location of protective fencing - see inset for type / construction detail - to be positioned in this location when works to create the geotextilised sections of road within RPAs is required.
Extent of Root Protection Area for retained trees in accordance with BS5837: 2012 <i>Trees in relation to design, demolition and construction</i> Recommendations	LOCATED TO OS NO. BY BEST FIT TO DIGITAL DATA	Specialised Driveway Specification (See Celweb specification)
Proposed temporary location of protective fencing - see inset for type / construction detail - to protect root protection areas from ground compaction		

CLIENT:
Edwards Homes Ltd

PROJECT:
Land off Station Avenue, Wrexham

DRAWING TITLE:
Arboricultural Method Statement

SCALE: 1:500 @A0	DRAWN BY: CP	DRAWING No: P.585.15.06
DATE: 05/09/2019	CHKD BY: RA	

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		PRIOR TO SITE WORKS																				ON SITE															COMPLETION
SITE WORKS		PREPARATION	TREE WORKS		TREE PROTECTION FENCING	DEMOLITION		REMEDATION		SERVICES AND DRAINAGE		NEW HARD STANDING				CONSTRUCTION PHASE				LANDSCAPING			SITE SIGN OFF														
TREE PROTECTION MEASURE		Agreement of Method Statement Content	Understorey and Vegetation Clearance	Tree Removal	Pruning	Erect as shown (INCLUDING TEMPORARY LOCATION)	Structure Dismantle	Removal of Debris and Materials	Hard Standing Removal	Ground Works and Level Changes	Excavations for Attenuation Basin	Excavations for Channel Installation	Roads	Parking Bay	Driveway	Footpaths	Edgings	Substations	Plots	Walls	Retaining Structures	Fences	Removal of tree protection fencing	Tree and shrub planting	Notification to LPA												
1	ARBORICULTURAL ATTENDANCE AT INITIAL SITE MEETING	To ensure all tree protection measures are clearly understood by the site agent and contractors																																			
2	ARBORICULTURAL SITE SUPERVISION / SITE VISIT					To ensure location and specification are correct			T4 and T7				T4, T7 T10, T11 T12			T4 T7																					
3	SHALLOW EXCAVATIONS												T4, T7 T10, T11 T12			T4 T7																					
4	ROOT PRUNING												T4, T7 T10, T11 T12			T4 T7																					
5	SPECIALISED SURFACE DESIGN / GEOTEXTILES												T11 T12																								
6	LIAISON / INFORM LPA																								Confirm protection has been completed with												

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