

CONDITION 6 - LANDSCAPING SCHEME (Tree protection Plan)

ARBORICULTURAL SPECIFICATION & TREE PROTECTION PLAN

COMPLIANT WITH BRITISH STANDARD BS 5837:2012 (TREES IN RELATION TO DESIGN, DEMOLITION & CONSTRUCTION)

1. INTRODUCTION AND REGULATORY FRAMEWORK

THIS DOCUMENT ESTABLISHES THE ARBORICULTURAL PROTOCOL REQUIRED TO SAFEGUARD PROTECTED SITE TREES AND SHRUBS THROUGHOUT ALL PHASES OF SITE CLEARANCE, ENGINEERING WORKS, AND BUILDING CONSTRUCTION. ALL OPERATIONS MUST STRICTLY ADHERE TO BRITISH STANDARD BS 5837:2012. THE PRIMARY OBJECTIVE IS TO MAINTAIN THE BIOLOGICAL HEALTH, PHYSICAL STRUCTURAL INTEGRITY, AND BASELINE SAFETY OF THE DESIGNATED TREES.

THE CONSTRUCTION EXCLUSION ZONE (CEZ) FORMS A DEFINED BARRIER. NO VARIATIONS, UNAUTHORIZED SITE ACTIVITIES, STORAGE OF MATERIALS, OR PLANT MOVEMENTS MAY OCCUR WITHIN THIS DESIGNATED SPACE WITHOUT PRIOR FORMALISED WRITTEN PERMISSION FROM THE LOCAL PLANNING AUTHORITY (LPA) ARBORICULTURAL OFFICER.

2. DRAWING LAYOUT LEGEND KEY DEFINITIONS

WHEN INTERPRETING THE ACCOMPANYING DRAWING , THE FOLLOWING STANDARD STANDARDIZED CARTOGRAPHIC SYMBOLS APPLY:

- SOLID GREEN CIRCLE / CANOPY OUTLINE: MARKS THE PHYSICAL OUTER LIMITS OF TREE CROWNS TO REMAIN ENTIRELY UNTOUCHED.
- DASHED RED CONCENTRIC LINE: REPRESENTS THE CALCULATED OUTER PERIMETER BOUNDARY OF THE ROOT PROTECTION AREA (RPA).
- HEAVY SOLID BLUE: INDICATES THE PRECISE SPATIAL ALIGNMENT WHERE PROTECTIVE FENCING IS TO BE ERRECTED.

3. TECHNICAL FENCING SPECIFICATIONS & PROTECTION MEASURES

PROTECTIVE FENCING STRUCTURES MUST BE FULLY OPERATIONAL AND VERIFIED BY THE SUPERVISING ARBORICULTURIST BEFORE ANY HEAVY PLANT, DEMOLITION VEHICLES, OR EXCAVATION MACHINERY ACCESS THE PRIMARY SITE LAYOUT.

3.1 PHYSICAL STRUCTURAL REQUIREMENTS

- FENCING MUST COMPRISE A RIGID FRAMEWORK OF 2.0-METRE HIGH GALVANIZED STEEL WELDED MESH PANELS (E.G., HERAS PANELS).
- PANELS MUST BE SECURELY MOUNTED ONTO HEAVY-DUTY RUBBERIZED OR CONCRETE STABILIZING FEET BLOCKS.
- THE STRUCTURAL FRAMEWORK MUST BE BRACED INTERNALLY AGAINST CONSTRUCTION FORCES USING OBLIQUE GROUND-ANCHORED STABILIZER STRUTS.
- STRUTS MUST BE SECURELY PINNED DOWN TO THE GROUND PLANE TO COMPLETELY PREVENT STRUCTURAL DISPLACEMENT OR MANUALLY MOVING PANELS.

3.2 PROHIBITED ACTIVITY MANDATES (INSIDE CEZ)

THE AREA ENCLOSED WITHIN THE PROTECTIVE BARRIER FENCING REPRESENTS AN ABSOLUTE EXCLUSION ZONE. THE FOLLOWING ACTIVITIES ARE STRICTLY PROHIBITED UNDER ALL CIRCUMSTANCES:

- NO MECHANICAL EXCAVATION, SCRAPING, TRENCHING, OR MANUAL DIGGING OF TOPSOIL LAYERS.
- NO STORAGE OF MATERIALS, SITE CABINS, BRICKS, STRUCTURAL STEEL, TOXIC CHEMICALS, OR BULK SOILS.
- NO DRIVING, PARKING, OR IDLING OF PLANT MACHINERY, SITE UTILITY VEHICLES, OR PERSONAL TRANSPORT.
- NO LIGHTING OF OPERATIONAL SITE FIRES ANYWHERE WITHIN A 15-METRE BUFFER ZONE OF ANY RETAINED TREE CANOPY EDGE.
- NO WASHING OF CONCRETE MIXERS, MORTAR TOOLS, OR CHEMICAL DELIVERY EQUIPMENT WITHIN OR ADJACENT TO THE RPA.

4. SPECIALIZED ENGINEERING & GROUND PROTECTION SYSTEMS

WHERE DESIGN SPATIAL CONSTRAINTS FORCE ESSENTIAL SITE PATHWAYS OR HARD LANDSCAPING TO OVERLAP AN ACTIVE TREE RPA BOUNDARY, TRADITIONAL EXCAVATION AND STANDARD SUB-BASE COMPACTION ARE STRICTLY FORBIDDEN. A CERTIFIED ENGINEERED 'NO-DIG' STRATEGY MUST BE DEPLOYED TO PREVENT DAMAGING COMPACTION OF UNDERLYING SOIL STRUCTURES.

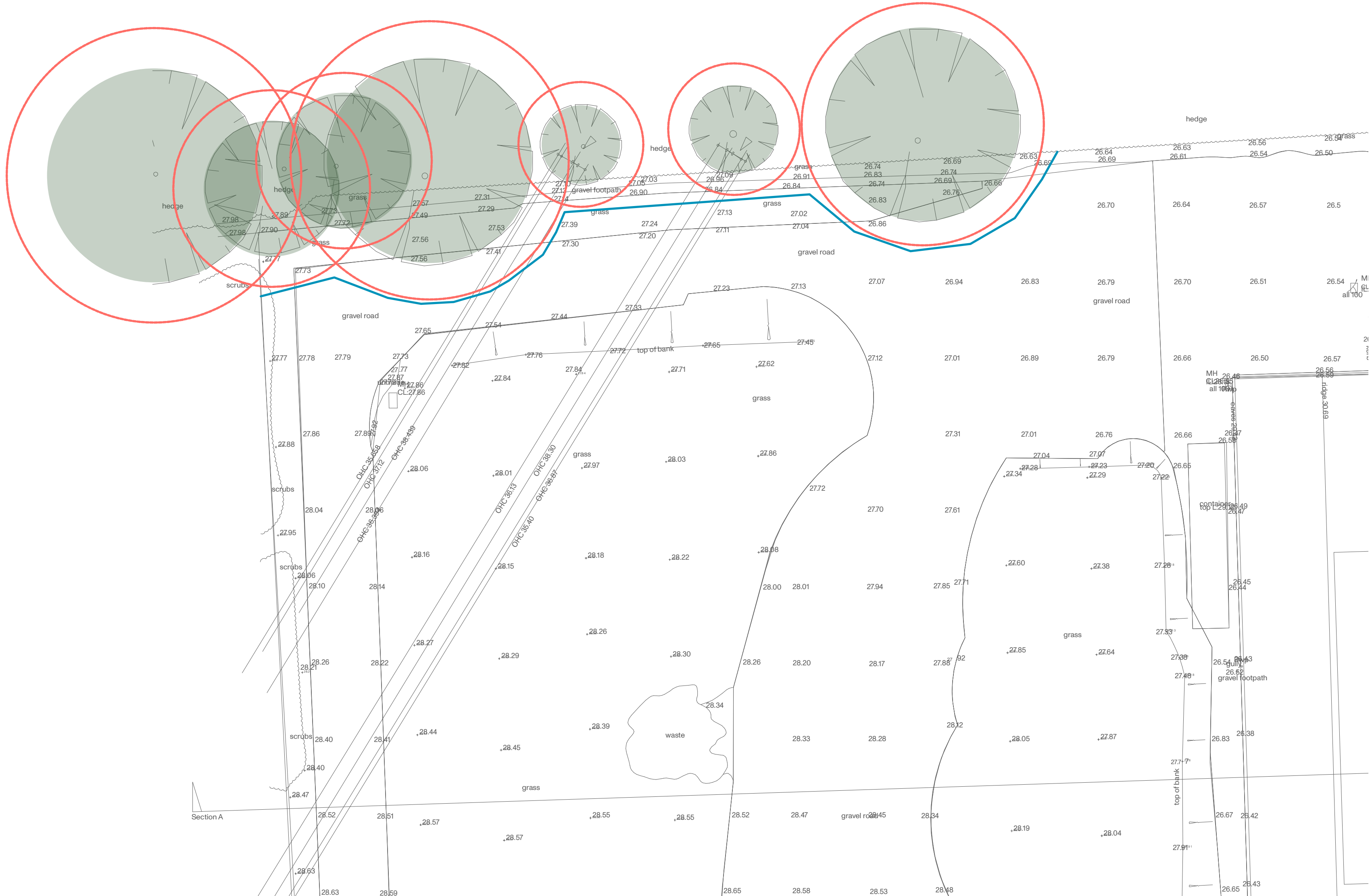
4.1 THREE-DIMENSIONAL CELLULAR CONFINEMENT INSTALLATIONS

TO SPREAD HORIZONTAL LOADS SAFELY AND PREVENT VERTICAL COMPRESSION OF DELICATE ROOT NETWORKS, A HIGH-DENSITY POLYETHYLENE (HDPE) THREE-DIMENSIONAL CELLULAR CONFINEMENT WEB (E.G., GEOWEB OR CELLWEB) MUST BE INSTALLED. THIS SYSTEM MUST BE USED ACROSS ALL ACCESS POINTS THAT CROSS AN ACTIVE ROOT PROTECTION LAYOUT. THE INSTALLATION SEQUENCE MUST FOLLOW THESE STRUCTURAL STEPS:

- MANUALLY CLEAR GROUND SURFACE VEGETATION AND LEAF LITTER LAYERS WITHOUT SKIMMING OR SCRAPING TOPSOIL ZONES.
- LAY DOWN A CONTINUOUS LAYER OF HIGH-PERFORMANCE WATER-PERMEABLE, NON-WOVEN GEOTEXTILE FABRIC DIRECTLY ACROSS THE NATURAL PROFILE.
- EXPAND AND PIN THE THREE-DIMENSIONAL CELLULAR MATRIX TO ITS EXACT DESIGNATED OPERATIONAL WIDTH AND BREADTH METRICS.
- INFILL THE OPEN CELLS MANUALLY WITH CLEAN, NO-FINES ANGULAR STONE AGGREGATE (TYPICALLY 40MM TO 20MM GRADE SIZING).
- ENSURE NO FINE SANDS, DUST, OR LIMESTONE MIXTURES ARE INTRODUCED, MAINTAINING STRUCTURAL WATER AND GAS PERMEABILITY.
- PROGRAMMED MONITORING AND SIGN-OFF PROTOCOL

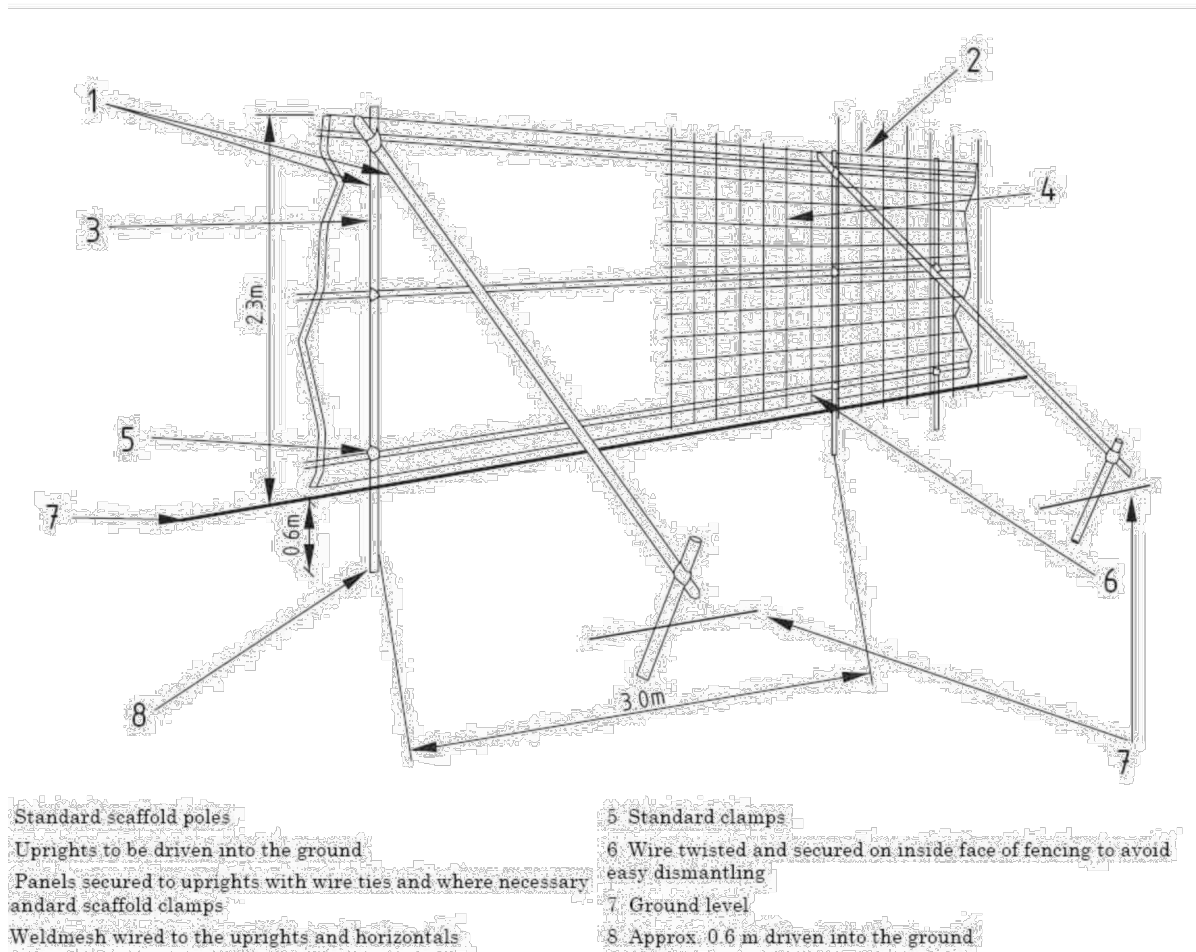
THE DEVELOPMENT PROJECT MUST ADHERE TO A STRICT INSPECTION SCHEDULE MANAGED BY A QUALIFIED ARBORICULTURAL CONSULTANT:

- PRE-COMMENCEMENT INSPECTION: FORMAL VERIFICATION AND PHOTOGRAPHIC SIGN-OFF OF ALL PROTECTIVE FENCING ALIGNMENTS BEFORE ANY MACHINERY ENTERS THE SITE.
- MID-PHASE AUDITS: MONTHLY WALK-THROUGH INSPECTIONS TO CHECK BARRIER STABILITY, VERIFY NO BREACHES HAVE OCCURRED, AND ASSESS GENERAL TREE VITALITY.
- POST-CONSTRUCTION VERIFICATION: A FINAL ASSESSMENT OF TREE CONDITION AND FORMAL WRITTEN CONFIRMATION TO THE LPA THAT TREE PROTECTION REMAINED INTACT.



TREE PROTECTION FENCING SYSTEM

BS 5837:2012 – Trees in relation to design, demolition and construction



LANDÍVAR

ARCHITECTS

WEARMASTER HOUSE

1821 3.010 - Revision -

CLIENT	CONTEGO SAFETY
RIBA STAGE	STAGE 3 - SPATIAL COORDINATION
DRAWING	PLANNING CONDITION SUBMISSION
DATE	AUGUST 2026
SCALE	1:200 @ A1

LANDSCAPING

- TREE PROTECTION ZONE
- PROPOSED PROTECTION FENCE LINE
- EXISTING CANOPY

PRINT DRAWING AT A1

N.B. Unless otherwise noted this drawing is not to be used for construction purposes. If indicated as feasibility this drawing is subject to a detailed site investigation, including ground conditions/contaminates, drainage design and planning / density negotiations. The layout may be based upon an enlargement of an os sheet or other small scale plans and its accuracy needs to be verified by survey. CDM regulations have not been fully considered.

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