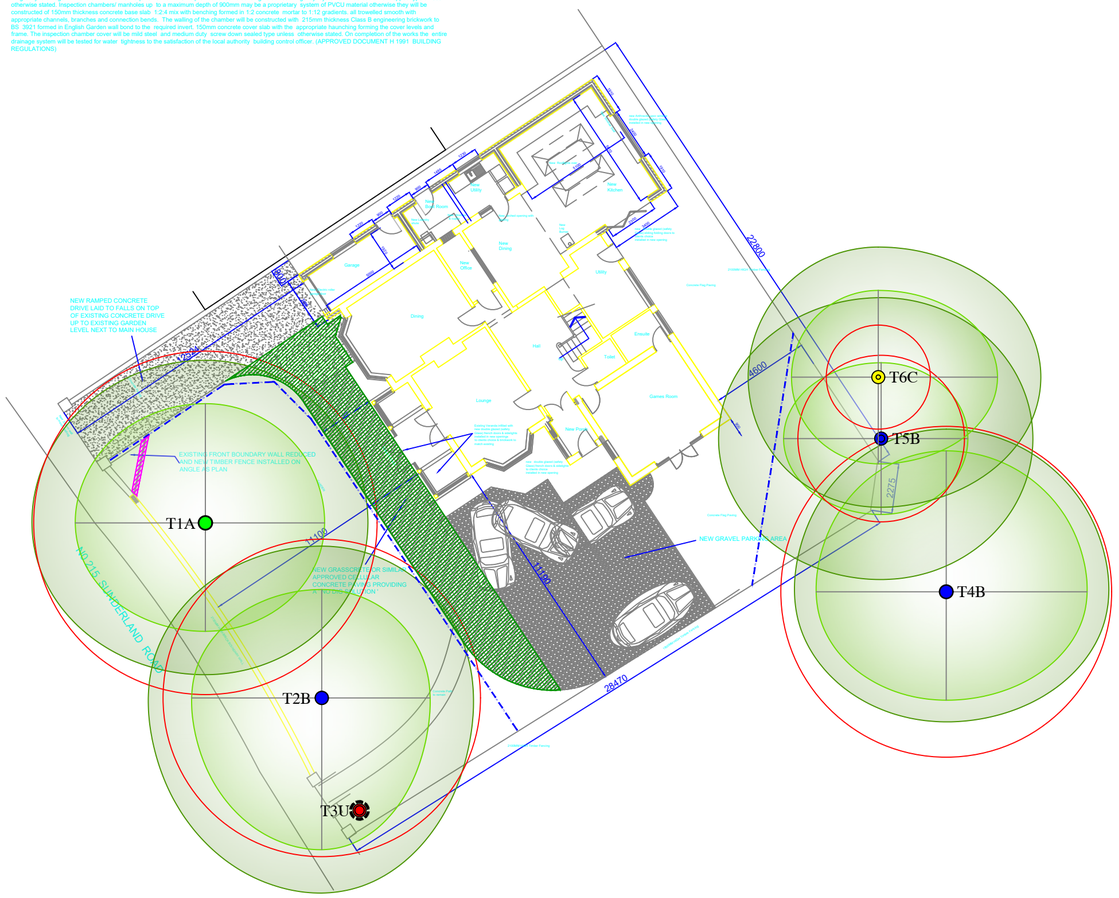
CONTRACTOR TO BE RESPONSIBLE FOR investigating the existing drainage and establishing the exact run locations in conjunction with the Building Inspector and agreeing in full the final drain runs and connections .

BELOW GROUND DRAINAGE SYSTEMS Below ground drainage pipes will comprise of either 100mm diameter Hepworth vitrified clayware to BS 65 or 100mm diameter PVCU to BS 5481/ BS 4660 laid on granular bedding materials to BS 882 Table 4 .The selected fill materials should be free from stones larger than 40mm, clay exceeding 100mm, timber, frozen materials or vegetable matter. Where rigid pipework of less than 150mm diameter have less than 300mm of cover or a rigid pipe of 150mm diameter or more hass less than 600mm of cover, then these pipes should be suitably encased within 150mm of concrete surround. Where flexible pipework are not located under a highway and have less than 600mm of cover then these pipes should be suitably encased within 150mm of concrete surround. When drainage runs are within 1,000m of any foundation and the level of the drainage trench is below the level of the foundation then that trench should be suitably backfilled with concrete. Any drainage pipe which may penetrate through a building structure below the finished ground level will be protected with a lintol support and a settlement gap of not less than 25mm which incorporates a flexible material to provide necessary protection to the drainage. All gravity drainage will have a minimum fall requirement of 1:40 to provide for self cleansing velocities. All gulley systems will be back inlet trapped type unless otherwise stated. Inspection chambers/ manholes up to a maximum depth of 900mm may be a proprietary system of PVCU material otherwise they will be constructed of 150mm thickness concrete base slab, 1:2:4 mix with benching formed in 1:2 concrete mortar to 1:12 gradients, all trowelled smooth with appropriate channels, branches and connection bends. The walling of the chamber will be constructed with 215mm thickness Class B engineering brickwork to BS 3921 formed in English Garden wall bond to the required invert. 150mm concrete cover slab with the appropriate haunching forming the cover levels and frame. The inspection chamber cover will be mild steel and medium duty screw down sealed type unless otherwise stated. On completion of the works the entire drainage system will be tested for water tightness to the satisfaction of the local authority building control officer. (APPROVED DOCUMENT H 1991 BUILDING REGULATIONS)





PROPOSED ELEVATION TO BOUNDARY WALL ON SUNDERLAND ROAD

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The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

Key:

- Tree Number
- Tree Crown True Shape (Shaded Light Green)
- Predicted Future Growth Of Canopy (Shaded Dark Green & Surrounding Current Crown Shape)
- Trees To Be Removed Broken Black Ring Surrounding Centre
- Tree Quality Assessment Centre Colours As Below
- Green Centre = High Quality (Denoted By Letter A)
- Blue Centre = Moderate Quality (Denoted By Letter B)
- Yellow Centre = Low Quality (Denoted By Letter C)
- Red Centre = Unsuitable To Retain (Denoted By Letter U)
- BS Root Protection Area As Shown By The Red Circle Around The Tree
- Position Of Protective Barrier - Dashed Blue Line With Letters PB (Protective Barrier)
- Special 'No Dig, Tree Friendly' Construction Required (Areas Indicated By Green Hatching)
- Excavation With Hand Tools Only

Institute of Chartered Foresters
Registered Consultant

Arboricultural Impact Assessment
Tree Protection Plan (AIA TPP Rev A)

Retained Trees Shown On Proposed Layout With Protective Measures Indicated

215 Sunderland Road,

South Shields - Revision A

For

AJ Design NCL

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Drawn at Durham Office By TA Checked by AW

Scale 1:200 at A2 | Date 09.06.23

-Registered Chartered
-Arboricultural Consultants
-Planning & Development
-Urban Forestry
-Ecological Consultants

Drawing Ref.	Revision
AIA TPP	A