

PLANTING

- GENERAL NOTES**
- All new planting will be comprised of indigenous or native species as scheduled. All planting as specified is to be carried out in the first planting season following the commencement of the construction works. Any trees or shrubs which, within a 5 year period of the completion of the development, die, are removed, or become damaged or diseased shall be replaced in the next planting season with others of similar size and species.
 - Tree shelters are to be provided around individual trees to prevent weather and animal damage. Grass and undergrowth is to be suppressed around new planting by the use of an approved weedicider in winter and frequent weeding.
 - Existing trees and hedgerows are to be retained intact unless shown otherwise. Temporary fences are to be erected around individual trees under the full extent of the canopy. The areas within such fences are not to be driven on or trampled through. The ground level around existing trees is not to be altered. Stockpiles of topsoil are not to be located in the vicinity of existing trees and hedgerows.
 - For close planting of trees species, plant larger (including evergreens) to centre or near.
 - Newly planted trees of over 900mm height are to be supported by staking system as shown on detail sheets. Stakes to support up to one third of the tree height, and the tree secured using adjustable rubber straps. Support to be maintained for the first three years. The management and maintenance programme as shown on schedule is to be followed for at least the first five years, and thereafter when necessary.
 - No tree shall be topped, lopped, felled or removed except where necessary to prevent danger to the public, in which case the DCI Planning Service must be informed in writing beforehand.
 - Trees to be planted or retained near construction works to be to BS5837 and NHC Practice note 3 (Building near trees) and BRE digest No.298 (The influence of trees on house foundations in clay soils).
 - Other tags affecting the works are: BS3998 Recommendations for Tree Work: BS4428 Recommendations for General Landscaping Operations: BS4543 Recommendations for the Transplanting of semi-mature trees: BS3982 Recommendations and classification of Topsoil. BS5328 Cultivation and Planting of trees in the nursery Stock category: BS3936 Nursery Stock Part 1: Trees and shrubs, Part 4: Forest trees

STOCK SIZES	Overall Height	Stem Height	Birth	PLANTING TIMES
T = Transplant	N/A	N/A	N/A	BARE ROOTED PLANTS
W/B = Whip 4/8	0.6 - 1.2m	N/A	N/A	November to March.
W = Whip	1.2 - 3.0m	N/A	N/A	
MS = Half standard	1.8 - 2.1m	1.2 - 1.4m	40-60mm	ROOT BALLED PLANTS
S/S = 3/4 standard	2.1 - 2.4m	1.4 - 1.6m	60-80mm	November to March.
LS = Light standard	2.4 - 2.7m	1.6 - 1.7m	80-100mm	
S = Standard	2.7 - 3.0m	1.7 - 1.8m	100-120mm	
TS = Tall standard	3.0 - 3.6m	1.8m min	80-100mm	CONTAINER GROWN
SS = Selected std.	3.0 - 3.6m	1.8m min	100-120mm	PLANTS:
MS = Heavy standard	3.0 - 4.2m	1.8m min	120-140mm	ANY TIME providing soil
MHS = Extra ivy std	4.2 - 4.8m	1.8m min	140-160mm	CONDIORN BR & BURNING
MHS = Extra ivy std B	4.8 - 5.4m	1.8m min	160-180mm	and weather conditions
MHS = Extra ivy std C	5.4 - 6.0m	1.8m min	180-200mm	are not extreme.
MHS = Semi mature A	5.0 - 6.5m	1.8m min	200mm min	
MHS = Semi mature B	6.0 - 8.0m	1.8m min	200mm min	

Note: Hedging to be planted at centres as shown, in double rows 300mm apart.

Birth measured at 100mm above ground (indicated for feathered whips)

CG = Container grown
BR = Bare rooted

PLANTING SCHEDULE

SPECIES	NUMBER	SPACING (Metres)	TYPE
A <i>Crateagus monogyna</i> (HAWTHORN)	100	5/n	BR
B <i>Betula pubescens</i> (BIRCH)	10	3.0	BR
C <i>Sorbus aucuparia</i> (ROWAN)	10	3.0	BR
D <i>Quercus petraea</i> (OAK)	10	4.0	BR
E <i>Fraxinus excelsior</i> (ASH)	10	3.0	BR

PLANTING KEY

- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- EXISTING HEDGE TO BE RETAINED
- PROPOSED PLANTING (AS PLANTING SCHEDULE)
- PROPOSED HEDGE TO BE PLANTED (AS PLANTING SCHEDULE)

SEPTIC TANK

2000 LITRE STANDARD PACKAGE PLANT TYPE SEPTIC TANK OF MIN CAPACITY 2750 LITRES SEPTIC TANK TO BE POSITIONED A MIN OF 10M FROM ANY DWELLING AND SET ON CONC BASE BACKFILL WITH PEK GRAVEL. PROVIDE 100MM DIA FRESH AIR INTAKE TO TANK AND INSPECTION CHAMBER TO OUTLET FITTED WITH COVER/FRAMES. PROVIDE ACCESS COVER TO TANK AND 100MM LAND DRAIN PIPES AS SITE PLAN TO BS6297.

DRAINAGE

PROVIDE 100MM DIA FRESH AIR INTAKE TO TANK AND INSPECTION CHAMBER TO OUTLET FITTED WITH COVER/FRAMES. PROVIDE ACCESS COVER TO TANK AND 100MM LAND DRAIN PIPES AS SITE PLAN TO BS6297.

OIL STORAGE TANK

HEATING OIL STORAGE TANK: THE OIL STORAGE TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF: LGSF 1 200 2010, FOR STEEL OIL STORAGE TANKS AND B OCS 1 100 2008, FOR POLYETHYLENE OIL STORAGE TANKS.

PROVIDE OIL STORAGE TANK INTEGRALLY BUNDED. THE BUND SHALL HAVE A CAPACITY OF NOT LESS THAN 110% OF THE TANK IT CONTAINS.

THE ABOVE GROUND OIL STORAGE TANK SHALL BE PLACED ON A HARD SURFACE CONSTRUCTED OF CONCRETE OR PAVING SLABS NOT LESS THAN 42MM THICK. THE HARD SURFACE SHALL EXTEND BEYOND THE TANKS EXTERNAL SURFACE BY NOT LESS THAN 300MM.

A 30 MINUTE FIRE RESISTANT FIRE WALL SHALL SEPARATE THE OIL STORAGE TANK FROM ANY BUILDING WITHIN 1800MM OF THE OIL STORAGE TANK. THE 30 MINUTE FIRE RESISTANT FIRE WALL SHALL EXTEND NOT LESS THAN 300MM HIGHER AND WIDER THAN THE OIL STORAGE TANK OR ANY PART OF THE BUILDING OR EAVES WITHIN 1800MM OF THE OIL STORAGE TANK SHALL BE IMPERFORATE AND HAVE 30 MINUTE FIRE RESISTANCE.

A 30 MINUTE FIRE RESISTANT FIRE WALL SHALL SEPARATE THE OIL STORAGE TANK FROM ANY SITE BOUNDARY WITHIN 750MM OF THE OIL STORAGE TANK. THE 30 MINUTE FIRE RESISTANT FIRE WALL SHALL EXTEND NOT LESS THAN 300MM HIGHER AND WIDER THAN THE OIL STORAGE TANK.

AUTOMATIC ISOLATION: THE FUEL PIPING FROM THE OIL STORAGE TANK TO OIL BURNER SHALL BE RESISTANT TO THE EFFECTS OF FIRE AND FITTED WITH A FIRE VALVE SYSTEM WHERE IT ENTERS THE BUILDING. IN ACCORDANCE WITH BS 5419 PART 1: SECTIONS 8.3 AND 8.3. ALL FIREWORKS SHALL BE PROVED AND PROTECTED WHERE NECESSARY AGAINST DAMAGE JOINTS SHALL BE KEPT TO A MINIMUM AND THE USE OF PLASTIC COATED MALLEABLE COPPER PIPE IS RECOMMENDED. INSIDE THE BUILDING EVERY EFFORT SHALL BE MADE TO AVOID THE USE OF JOINTS BETWEEN THE ENTRY POINT OF THE PIPE AND THE BOILER CONNECTION. WHERE PIPES PASS THROUGH THE WALL OF BUILDINGS THEY SHALL BE SLEEVED. PIPES SHALL BE ADEQUATELY SUPPORTED TO PREVENT SAGGING. BURIED PIPES SHALL BE LOCATED WHERE THE CHANCE OF DAMAGE FROM DIGGING OR OTHER ACTIVITIES IS MINIMAL. WHERE THIS CANNOT BE DONE, THE PIPEWORK SHALL BE PROTECTED BY COVERING WITH TILES.

A FIRE VALVE SHALL BE FITTED TO FUEL PIPING TO CUT OFF THE SUPPLY OF OIL REMOTELY FROM THE HEATING APPLIANCE IN THE EVENT OF ACCIDENTAL FIRE OCCURRING IN OR AROUND THE APPLIANCE.

FOR APPLIANCES INSIDE BUILDINGS (INCLUDING APPLIANCE INSIDE AN EXTERNAL BOILER HUT), THE OIL SUPPLY SHALL BE SHUT OFF EXTERNALLY TO THE BUILDING (EXTERNAL TO BOILER HUT). VALVE SENSORS SHALL BE POSITIONED INSIDE THE APPLIANCE CASING OVER THE BURNER. THE SENSOR ACTIVATING TEMPERATURE SHALL BE RATED SO AS NOT TO CAUSE NUISANCE CUT OUTS AND THE SENSOR WILL BE LOCATED IN A POSITION RECOMMENDED BY THE MANUFACTURER.

FIRE VALVES SHALL BE IN ACCORDANCE WITH THE FOLLOWING:-

- THEY WILL BE CAPABLE OF SENSING A FIRE INSIDE OR CLOSE TO A HEATING APPLIANCE AND ALSO SHUT OFF THE OIL SUPPLY EXTERNALLY FROM THE BUILDING.
- IN THE EVENT THAT ANY PART OF THE VALVE BECOMES DAMAGED, IT SHALL CLOSE OFF THE SUPPLY OF OIL.
- MANUAL OPERATION SHALL BE NECESSARY IN ORDER TO PASS OIL AFTER BEING THERMALLY ACTIVATED.
- IT WILL BE PROVIDED WITH A MEANS FOR TESTING FOR SATISFACTORY OPERATION AND FOR RESETTING MANUALLY.
- ELECTRICALLY OPERATED FIRE VALVES SHALL BE SUITABLY DESIGNED WITH ELECTRICALLY OPERATED VALVE COUPLED TO THERMAL FUSES LOCATED AS DESCRIBED IN BS 5419 PART 1: 1997, PARAGRAPH 8.3.1. THE VALVE SHALL BE SELF CLOSING ON OPEN CIRCUITING OF THE THERMAL FUSES, AND SO THAT THE OIL PRESSURE EXERTED BY THE HEAD OF OIL IN THE TANK ASSISTS CLOSURE. THE THERMAL FUSES SHALL BE OF THE TYPE WHICH REMAINS OPEN CIRCUITED AFTER OPERATION.
- VALVE WEIGHT OR SPRING LOADED VALVE CAN BE USED. IT SHALL BE HELD OPEN BY A FLEXIBLE CABLE WITH FUSIBLE LINKS INSERTED INTO LEAD POINTS. AT ALL CHANGES OF DIRECTION, THE FLEXIBLE CABLE SHALL PASS OVER A CORROSION RESISTANT METAL PULLEY WITH GOOD QUALITY BEARINGS AND A DIAMETER OF NOT LESS THAN 40MM.
- WHERE THE SENSITIVE ELEMENT IS POSITIONED EXTERNALLY TO ANY APPLIANCE CASING IT SHALL BE LOCATED AT A MAXIMUM OF 1M DIRECTLY ABOVE THE BURNER.
- VOLTAIC CIRCUIT SHALL BE INDEPENDENT OF THE BURNER AND OTHER CONTROL CIRCUITS.

