

PLANTING NOTES

- Plant handling at the nursery, a transfer up to delivery, shall be in accordance with Plant Handling, the book published by the Committee for the Plant Society & Establishment (CPSE). The contractor shall comply with clauses 4.6 to 4.10 of the CPSE.
- Plants shall be first class examples of their species or variety, free from all pests & diseases, with good fibrous root systems & materially undamaged (reference to relevant section of BS5309:2004 3.4 "Specification of Nursery Stock").
- All plants to be in general compliance with BS4428:1989 Code of Practice for general landscape contractors (excluding hard surfaces).
- Areas of planning need to be grubbed up without undue disturbance of surrounding soil & adjacent areas. Rubbish, concrete, metal, hard surfacing, hardcore, decayed vegetation, weed growth & any contaminated topsoil are to be removed & disposed of-site depth of 400mm
- Sheds built to be a min. depth of 400mm quality imported (BS3882), do not use topsoil contaminated with ashsoil, rubbish or other materials. Do not compact soil, preserve a friable texture of separate viable topsoil. Topsoil to be secured with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations (COPR) or otherwise approved legislation), & following manufacturer's instructions to qualified staff. This shed to be cultivated to 150mm depth prior to planting. Where existing beds are to be cleared & reutilized, incorporate new spent compost 20% & topsoil 80% to the depth of 150mm. All weeds & hedge areas shall have a suitable surface applied to the manufacturers specified rates.
- Shrub Compost, Specimen plants to be planted in a pit 600 x 400 125mm depth with 3 litres Tree & Shrub Compost.
- All areas of ornamental planting are to be mulched to a depth of 75mm with an amenity grade bark mulch
- Federal Hedges/Trees to be dug min 500mm wide x 400mm deep (base broken out to facilitate drainage) and a free form compost or slow release fertilizer incorporated into the backfill material.
- All turf & grass seed mixes are to be supplied by an approved supplier. All grasses are to be laid horizontally to adjacent hard surfaces in a staggered pattern to encourage establishment. All grassed areas are to be watered as necessary to ensure their establishment & continued thriving. New turfs areas to have a min. depth of 100mm of good quality topsoil (BS3882) & to be treated as min. 5 mmm new soils existing where necessary to ensure that water can soak into the soil.
- Do not sow or turf during periods of frost or strong winds
- Do not spray in Spring & Autumn
- Ensure that adequate watering & weed control is available
20. Trees are to be planted securely either underground guyed in accordance with an approved guying system or staked & secured as follows:
- Heavy Standard are to be secured using 2no. treated softwood stakes with cross bar, driven firmly into the ground. Stakes to be 1000mm above ground & fixed to tree with suitable rubber tree tie & a standard size nut secured using a single angled stake driven firmly into the ground with a rubber tie & a 100mm nut
- Multitier stems are to be secured using a single angled stake driven firmly into the ground with a rubber tie & a 100mm nut
- For all ornamental trees one Biltite bag of treated planting compost (non-peat based) is to be incorporated in the tree pits. For all ornamental trees the tree pit should be large enough to comfortably accommodate the root ball. Backfilling with excavated soils to replicate the existing plants. All trees are to be planted in line with BS8854:2014 Trees from nursery to independence in the landscape. Form 10.2.7 Topsoil should not be used below depth of the original topsoil
21. Trees planted in grass are to have a 1m dia cut out around the base of the tree & circle filled with 75mm depth bark mulch.
22. Native shrub/planting: Where one is to be treated with a non-residual glyphosate based herbicide prior to planting. All BR stock to be notch planted into the ground & heated into place. All BR, whips & BR stock (wooded in a hedge) to be protected with a spiral bound biodegradable plastic guard to protect the stem from damage by rabbits or deer.
23. Carry out all work when soil is wet & weather conditions are suitable. Do not plant during periods of frost or strong winds. All plants in the following periods - Container grown plants. At anytime if ground water & weather conditions are suitable & frost/landlocked & bare soil is a risk to new trees. Ensure adequate watering & weed control is available
24. Water all plants at the same time of planting, plant only into moist soil & water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) with pre-determined (once a week in periods of drought) to ensure the establishment of the plants during the 12 month defence periods.
25. The contractor must ascertain for themselves the exact position of underground services & maintenance points prior to carrying out any digging on site.

PLANTING AFTERCARE - 5 year establishment period

Generally

- Maintain all grass areas, shrubs and beds and hedges/planting (plant life) and excessive weed growth (in green space that would be detrimental to the intended planting). Do not allow rubbish, grass, outcrops, or other deleterious material to be deposited in the green areas during the maintenance period.
- Water all trees, shrubs & hedges in periods of drought (no significant rainfall for 5-7 consecutive days) during the growing season of the 12-months effective liability period. (Growing season is typically late Spring to early Autumn). Water once a week so the soil is fully saturated to encourage deep roots to be established & contrive the usual significant rainfall.
- Any plants which die or show signs of poor health should be replaced towards the end of the 12-months effective liability period by the contractor (Exclusions: Theft or malicious damage after completion). The cause of death or health should be investigated & the cause re-mediated prior to any new planting. If necessary plant species can be substituted (with prior agreement with the Landscape Architects) if particular plants are not suitable for the site or are in "breeder circumstances".
- At the end of the first 12-month maintenance period a new plan is thoroughly monitored prior to re-mulching, applying water where necessary, re-mulch all planting beds to a depth of 75mm.
- After the 12-months effective liability period the maintenance of all public areas will be passed onto the school maintenance team which will need to replace any trees or shrubs that die within a 5 year period in line with the original proposal.

Grass

Maintenance of grassed areas shall include mowing operations as necessary to saturate soil below, trimming edges to parings & planted areas at every cut, removing all debris & stones over 30mm in size, prior to mowing, weeding & cutting, taking being & using k-sweeping any portions considered necessary & removing from site all debris & stones collected at the operations. Pavements to be swept clean of any grass, cuttings. Strimming around road edges to be carried out as necessary to prevent grass from growing into road.

Grass to be cut fortnightly through growing season to height between 25-30mm & remove (skip to tip) (April to October)

Any areas of grass where plants are planned must not be mown until leaves turn yellow or show signs of decline.

Grass & scrub to be periodically treated with a systemic (biflural) with a protective barrier to prevent further growth.

Grass to be cut & scattered periodically to promote fire resistance & remove moss & bare patches.

In cutting the following modifications to specified mowing operations shall be implemented:

Grass heights shall be raised to 45mm, mowing shall only continue so long as grass growth continues to reach maximum advisable height.

Shrub Beds

APPLY TO ALL YEARS

- Maintain weed free
- Replace dead/dying plants
- Water in periods of drought 10 litres per shrub per week.
- Remove deadwood.

At the end of year 5, thin shrub beds to allow adjacent plants to achieve their species potential

Herbaceous Berle

Water in periods of drought a minimum of 2 times a week
Every 2-4 years (species dependent) divide plants

2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 26

Hedging

The aim is to establish a stable and healthy hedgerow within 3 years from planting with a well shaped framework.
Maintenance operations:
Maintained base of plants weed free; spot treat as necessary.
Replace dead and missing plants or those which fail to establish properly.

Water throughout
Feeds plants as

Native hedge / scrub mix
Maintenance operations:
Years 1-3
• Water throughout the summer months after any period without significant rainfall.
• Treat Shov-Edge Mix areas with residual herbicide applied to bare ground at the end of the second years growth.
• Ensure plants are secure and upright in the ground. Firm up where necessary.
• Spot treat any weeds to maintain weed free.
• Prune out any dead wood.
• Replace dead/misplacing plants
• Re-firm plants where necessary.

Trees
learned from

Stakes and lines, check annually that the stakes are secure and adjust lines to allow for growth as necessary. Remove stakes at the end of the third growing season. Stakes should be replaced no more than 2 months following the removal of stakes and/or conditions during the defects liability period in the growing season (through the irrigation pipe) to ensure that the stakes are encouraged to produce deep roots. Water trees for 10-15 minutes at least once a week during the first growing season.

Remove or prune at the following times:

- 15 lines per tree – 14-16m high trees above
- Remove or prune at the following times:
- Remove deadwood, crossing branches etc. Replace dead/dying trees.

Rooting should usually begin the following

- Remove dead, diseased, damaged or dying branches only where they pose a risk to the safety of the site.
- The removal of branches or epicormic growth around the trunk of the tree which is restricting access, growing over footpaths or obstructing lighting to be cut back.
- Remove any dead or dying branches which could pose a risk to the safety of the site.

Any routine tree works should be carried out between August and the February to avoid the bird nesting season. If this is unavoidable a bird nest and/or bird cavity must be undertaken prior to works being carried out.

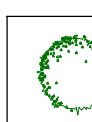
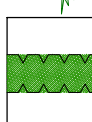
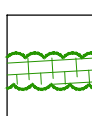
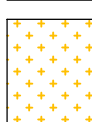
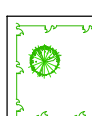
Existing Trees

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PLANTING SCHEDULE

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KEY

- | | |
|---|--|
|  | Existing tree/vegetation/soft landscaping to be retained & protected in line with Arboricultural proposals |
|  | Existing tree/vegetation/soft landscaping to be removed in line with Arboricultural proposals |
|  | Proposed Tree
Extra Heavy Standard Tree, 14-16cm girth, set in soft landscaping with double stake support |
|  | Proposed Tree
Standard Tree <10cm girth, set in soft landscaping with single stake support |
|  | Proposed Tree - Multi-stem form
150-400cm high, set in soft landscaping with single stake support |
|  | Hedge
120-150cm high, ornamental green stock planted 1 per 1m in with 70cm ornamental bark mulching |
|  | Native hedge mix
Where transplants planted in double staggered rows (rows 500mm apart), with suitable spiral guards |
|  | Shrub habitat
Where transplants planted 2 per m2 with suitable spiral guards |
|  | Ornamental shrub planting
Plants supplied in 2-25L pots, pots planted @ 3 x 1m in x 450mm repeated 10m with 70cm ornamental bark mulching |
|  | Grass
Grass Seed OR hard wearing material Turf (to be hard wearing material quality laid) laid on medium 10mm imported topsoil |

ii	Amended to latest side prps.	KAS	Nov-2	
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Rovv	Description	Initial	Date	