



Broad Oak Tree Consultants Limited
Laurel House, Burwash Road, Broad Oak, Heathfield, East Sussex
TN21 8SS [REDACTED]



**REVISED TREE PROTECTION MEASURES
FOR PERMISSIONED DEVELOPMENT**

AT

**LAND TO
SOUTH OF MAYFLOWER WAY
ANGMERING
WEST SUSSEX**

BY

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**Our ref: J54.22
30th November 2021**

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APPENDICES:

1. SUNNINGHILL CONSTRUCTION CO. LIMITED SUPPLIED MARKED UP PLAN
2. TREE PROTECTION PLAN, DRAWING NO. J54.22/02 REV. B

1. INTRODUCTION

- 1.1 Broad Oak Tree Consultants Ltd. received instructions to produce a revised Tree Protection Plan in light of contamination issues arising from site investigations relating to the consented development (Application No. A/219/17/PL) of 12 no. social dwellings at Land to South of Mayflower Way, Angmering, West Sussex.
- 1.2 An Arboricultural Implications Assessment Report (dated 9th November 2017) was previously submitted as part of the planning application and is referenced in Condition 10 of the Decision Notice. However, in fulfilling the requirements of Condition 3, which relates to potential contamination, site investigations have uncovered asbestos contamination.
- 1.3 The main body of the site outside of the indicated tree protection areas shown on the Broad Oak Tree Consultants Ltd. Tree Protection Plan, drawing no. J54.22/02 has been investigated and contamination removed by machine/hand picking. The remaining areas to assess are currently within the protected rooting zones. These are shown on the supplied plan produced by Sunninghill Construction Co. Limited included in Appendix 1.
- 1.4 To effectively check and remediate the remainder of the site the protective fencing alignment to the south will have to be temporarily revised and the hedging to the west removed. It is understood that this requirement was discussed with the Council Tree Officer, Mr. M. Warwick, on site on 30th September 2021.

2. TREE WORK REQUIREMENTS

- 2.1 To fully ameliorate the site the hedge to the west, G11 (Hawthorn and occ. Elder) will need to be removed. This is indicated for removal with a blue dashed crown outline on the revised Tree Protection Plan, drawing no. J54.22/02 Rev. B in Appendix 2.

3. TREE PROTECTION ALIGNMENTS

- 3.1 To allow for investigations to be undertaken the protective fencing alignment to the south will need to be temporarily aligned along the southern boundary of the site (indicated as a red fence alignment on the Tree Protection Plan). Once investigations and remediation are completed the fencing will be realigned to the blue coloured fence alignment shown on the Tree Protection Plan for the duration of the main construction period.
- 3.2 For the offsite Corkscrew Willow (T1) similarly the indicated ground protection measures will be installed as specified on the Tree Protection Plan once investigations and remediation within the theoretical root protection area (RPA) has been completed.

4. METHODOLOGY FOR WORKS WITHIN TREE PROTECTION AREAS

- 4.1 To minimise potential root damage and soil compaction machinery associated with the investigative works will be located outside the indicated tree RPAs, reaching in to undertake excavations. A Banksman will monitor the excavation and if roots of over 10mm diameter are encountered the machinery will withdraw and hand tool excavation will continue.
- 4.2 If roots of less than 25mm diameter need to be cut to allow access to deeper contaminated soils these will be neatly cut with loppers/hand saws to minimise wound size and avoid root tearing associated with machine excavation.
- 4.3 If roots of greater than 25mm diameter are encountered the Council Tree Officer/Project Arboriculturist are to be consulted as to whether they need to be retained and worked around with hand tools or can be safely removed. This will be dependent on the extent and nature of any contamination encountered.
- 4.4 Once contaminated materials have been removed the excavations are to be backfilled with good quality topsoil, lightly tamped in 150mm layers.

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APPENDIX 1

APPENDIX 2

FREE PROTECTION PLAN

- | BS Category of Condition | T1 - G12 Tree numbers |
|---|--|
|  | Ground protection |
|  | Protective fencing alignment |
|  | Temporary protective fencing alignment |
|  | Tree to be removed for development |
|  | BS Calculated root protection areas |
|  | BS Condition U |
|  | BS Condition C |
|  | BS Condition B |
|  | BS Condition A |
|  | T1 |
|  | T4 |
|  | G9 |

SEE PROTECTION INFORMATION

to be used to construct a scaffold for the reinforcement of any demolition work.

Uprights drawn into the ground to support the scaffold should be made of steel pipe or timber. Uprights to be inserted within the ground should be made of steel pipe or timber, or a purpose-constructed demolition beam. Wellhead panels to be attached to every fifth ECTION should be drawn into the ground to produce a watertight barrier. Waterproof signs should be attached to every fifth ECTION.

KEEP OUT or similar wording should be used when working in conjunction with the construction of a scaffold.

Uprights should be constructed in accordance with figs 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813,

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