

ABBREVIATIONS & SYMBOLS

DRAWING NOTES

Any areas on the drawing where services or features have not been shown are not necessarily clear of services or features but are an indication that no items have been identified during our investigations. All reasonable care and normal good practice should still be employed during design and construction processes.

Survey Solutions has used all reasonable care to research available service records, but the completeness or use of the service records supplied to or by Survey Solutions cannot be guaranteed. Therefore Survey Solutions cannot be held responsible for any features annotated as 'taken from records' (TFR).

Drainage pipe sizes will be obtained without entering the camber and therefore should be treated as approximate. Pipe dimensions which have not been obtained visually will be taken from records when available.

Services, utilities and features may not have been surveyed if obstructed or not reasonably visible or accessible at the time of survey.

Survey Solutions accept no responsibility for the completeness or accuracy of either the topographical survey or base mapping on this project.

The contractor must check and verify all site and building dimensions, levels, utilities and drainage details and connections prior to commencing work.

Do not scale from this drawing

UTILITY	AVAILABILITY	UTILITY	AVAILABILITY	UTILITY	AVAILABILITY
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[illegible]



UTILITIES & UNDERGROUND INVESTIGATIONS

ABBREVIATIONS & SYMBOLS

10-12 1-2 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 99-100 101-102 103-104 105-106 107-108 109-110 111-112 113-114 115-116 117-118 119-120 121-122 123-124 125-126 127-128 129-130 131-132 133-134 135-136 137-138 139-140 141-142 143-144 145-146 147-148 149-150 151-152 153-154 155-156 157-158 159-160 161-162 163-164 165-166 167-168 169-170 171-172 173-174 175-176 177-178 179-180 181-182 183-184 185-186 187-188 189-190 191-192 193-194 195-196 197-198 199-200 201-202 203-204 205-206 207-208 209-210 211-212 213-214 215-216 217-218 219-220 221-222 223-224 225-226 227-228 229-230 231-232 233-234 235-236 237-238 239-240 241-242 243-244 245-246 247-248 249-250 251-252 253-254 255-256 257-258 259-260 261-262 263-264 265-266 267-268 269-270 271-272 273-274 275-276 277-278 279-280 281-282 283-284 285-286 287-288 289-290 291-292 293-294 295-296 297-298 299-300 301-302 303-304 305-306 307-308 309-310 311-312 313-314 315-316 317-318 319-320 321-322 323-324 325-326 327-328 329-330 331-332 333-334 335-336 337-338 339-340 341-342 343-344 345-346 347-348 349-350 351-352 353-354 355-356 357-358 359-360 361-362 363-364 365-366 367-368 369-370 371-372 373-374 375-376 377-378 379-380 381-382 383-384 385-386 387-388 389-390 391-392 393-394 395-396 397-398 399-400 401-402 403-404 405-406 407-408 409-410 411-412 413-414 415-416 417-418 419-420 421-422 423-424 425-426 427-428 429-430 431-432 433-434 435-436 437-438 439-440 441-442 443-444 445-446 447-448 449-450 451-452 453-454 455-456 457-458 459-460 461-462 463-464 465-466 467-468 469-470 471-472 473-474 475-476 477-478 479-480 481-482 483-484 485-486 487-488 489-490 491-492 493-494 495-496 497-498 499-500 501-502 503-504 505-506 507-508 509-510 511-512 513-514 515-516 517-518 519-520 521-522 523-524 525-526 527-528 529-530 531-532 533-534 535-536 537-538 539-540 541-542 543-544 545-546 547-548 549-550 551-552 553-554 555-556 557-558 559-560 561-562 563-564 565-566 567-568 569-570 571-572 573-574 575-576 577-578 579-580 581-582 583-584 585-586 587-588 589-590 591-592 593-594 595-596 597-598 599-600 601-602 603-604 605-606 607-608 609-610 611-612 613-614 615-616 617-618 619-620 621-622 623-624 625-626 627-628 629-630 631-632 633-634 635-636 637-638 639-640 641-642 643-644 645-646 647-648 649-650 651-652 653-654 655-656 657-658 659-660 661-662 663-664 665-666 667-668 669-670 671-672 673-674 675-676 677-678 679-680 681-682 683-684 685-686 687-688 689-690 691-692 693-694 695-696 697-698 699-700 701-702 703-704 705-706 707-708 709-710 711-712 713-714 715-716 717-718 719-720 721-722 723-724 725-726 727-728 729-730 731-732 733-734 735-736 737-738 739-740 741-742 743-744 745-746 747-748 749-750 751-752 753-754 755-756 757-758 759-760 761-762 763-764 765-766 767-768 769-770 771-772 773-774 775-776 777-778 779-780 781-782 783-784 785-786 787-788 789-790 791-792 793-794 795-796 797-798 799-800 801-802 803-804 805-806 807-808 809-810 811-812 813-814 815-816 817-818 819-820 821-822 823-824 825-826 827-828 829-830 831-832 833-834 835-836 837-838 839-840 841-842 843-844 845-846 847-848 849-850 851-852 853-854 855-856 857-858 859-860 861-862 863-864 865-866 867-868 869-870 871-872 873-874 875-876 877-878 879-880 881-882 883-884 885-886 887-888 889-890 891-892 893-894 895-896 897-898 899-900 901-902 903-904 905-906 907-908 909-910 911-912 913-914 915-916 917-918 919-920 921-922 923-924 925-926 927-928 929-930 931-932 933-934 935-936 937-938 939-940 941-942 943-944 945-946 947-948 949-950 951-952 953-954 955-956 957-958 959-960 961-962 963-964 965-966 967-968 969-970 971-972 973-974 975-976 977-978 979-980 981-982 983-984 985-986 987-988 989-990 991-992 993-994 995-996 997-998 999-1000 1001-1002 1003-1004 1005-1006 1007-1008 1009-1010 1011-1012 1013-1014 1015-1016 1017-1018 1019-1020 1021-1022 1023-1024 1025-1026 1027-1028 1029-1030 1031-1032 1033-1034 1035-1036 1037-1038 1039-1040 1041-1042 1043-1044 1045-1046 1047-1048 1049-1050 1051-1052 1053-1054 1055-1056 1057-1058 1059-1060 1061-1062 1063-1064 1065-1066 1067-1068 1069-1070 1071-1072 1073-1074 1075-1076 1077-1078 1079-1080 1081-1082 1083-1084 1085-1086 1087-1088 1089-1090 1091-1092 1093-1094 1095-1096 1097-1098 1099-1100 1101-1102 1103-1104 1105-1106 1107-1108 1109-1110 1111-1112 1113-1114 1115-1116 1117-1118 1119-1120 1121-1122 1123-1124 1125-1126 1127-1128 1129-1130 1131-1132 1133-1134 1135-1136 1137-1138 1139-1140 1141-1142 1143-1144 1145-1146 1147-1148 1149-1150 1151-1152 1153-1154 1155-1156 1157-1158 1159-1160 1161-1162 1163-1164 1165-1166 1167-1168 1169-1170 1171-1172 1173-1174 1175-1176 1177-1178 1179-1180 1181-1182 1183-1184 1185-1186 1187-1188 1189-1190 1191-1192 1193-1194 1195-1196 1197-1198 1199-1200 1201-1202 1203-1204 1205-1206 1207-1208 1209-1210 1211-1212 1213-1214 1215-1216 1217-1218 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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

[illegible]

All below ground details shown have been identified from above ground without excavation. Survey Solution use electro-magnetic and/or ground penetrating radar (GPR) methods to investigate for underground utilities, services and features. Results using these methods are not infallible and we recommend trial excavations are carried out to confirm any identifications, positions and depths.

Any areas on the drawing where services or features have not been shown are not necessarily clear of services or features but are an indication that no items have been identified during our investigations. All reasonable care and normal good practice should still be employed during design and construction processes.

Certain types of services such as plastic or concrete pipes, some conduit and ducting where direct access can not be achieved for tracing may not be shown and alternative locating methods should be used.

Survey Solutions has used all reasonable care to research available service records, but the completeness or use of the service records supplied to or by Survey Solutions cannot be guaranteed. Therefore Survey Solutions cannot be held responsible for any features annotated as 'taken from records' (TFR).

Depths obtained using electro-magnetic or GPR are effected by ground conditions and should be treated as indicative only. Electro-magnetic depths to utilities and services are generally taken to the centre of a feature, GPR depths to the top of a feature and drainage depth shown to inverts, unless otherwise indicated.

Drainage pipe sizes will be obtained without entering the camber and therefore should be treated as approximate. Pipe dimensions which have not been obtained visually will be taken from records when available.

All services, drainage and utilities routes are assumed straight between access points, unless otherwise stated. The numbers of cables in runs will not be shown unless specifically requested. All services are below ground unless indicated.

Services, utilities and features may not have been surveyed if obstructed or not reasonably visible or accessible at the time of survey.

Survey Solutions accept no responsibility for the completeness or accuracy of either the topographical survey or base mapping on this project.

All critical dimensions and measurements should be checked and verified with any errors or discrepancies notified to Survey Solutions immediately. The accuracy of the digital data is the same as the plotting scale implies. All dimensions are in metres unless otherwise stated.

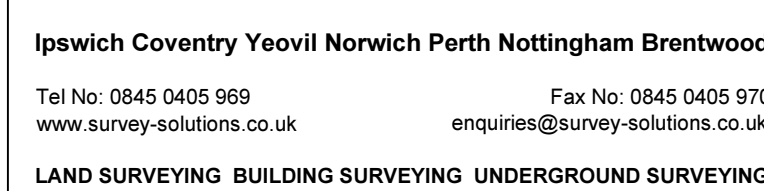
The contractor must check and verify all site and building dimensions, levels, utilities and drainage details and connections prior to commencing work.

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Do not scale from this drawing

AVAILABILITY OF UTILITY RECORD DRAWINGS					
UTILITY	AVAILABILITY	UTILITY	AVAILABILITY	UTILITY	AVAILABILITY
SEWER	PUBLIC	BT	PUBLIC	CEIL PIPES	NO
WATER MAIN	PUBLIC	CABLE TV	NO	OTHERS	NO
GAS MAIN	PUBLIC	ELECTRICITY	PUBLIC		

REV	DESCRIPTION	DRAWN	CHECKED	APPR	SURVEY D
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PROJECT TITLE RIVER ACADEMY. RITCHFIELD AVENUE, READING, RG1 8EQ.
DRAWING DETAIL UTILITIES AND DRAINAGE SURVEY. SHEET 3 OF 3

CLIENT READING BOROUGH COUNCIL.				SCALE 1:250
SURVEYOR JAB	SURVEY DATE 23/01/2020	CHECKED BY GSB	APPROVED BY GSB	DWG STATUS FINAL
DRAWING NUMBER 25671UG-03			REVISION	ISSUE DATE 27/01/2020