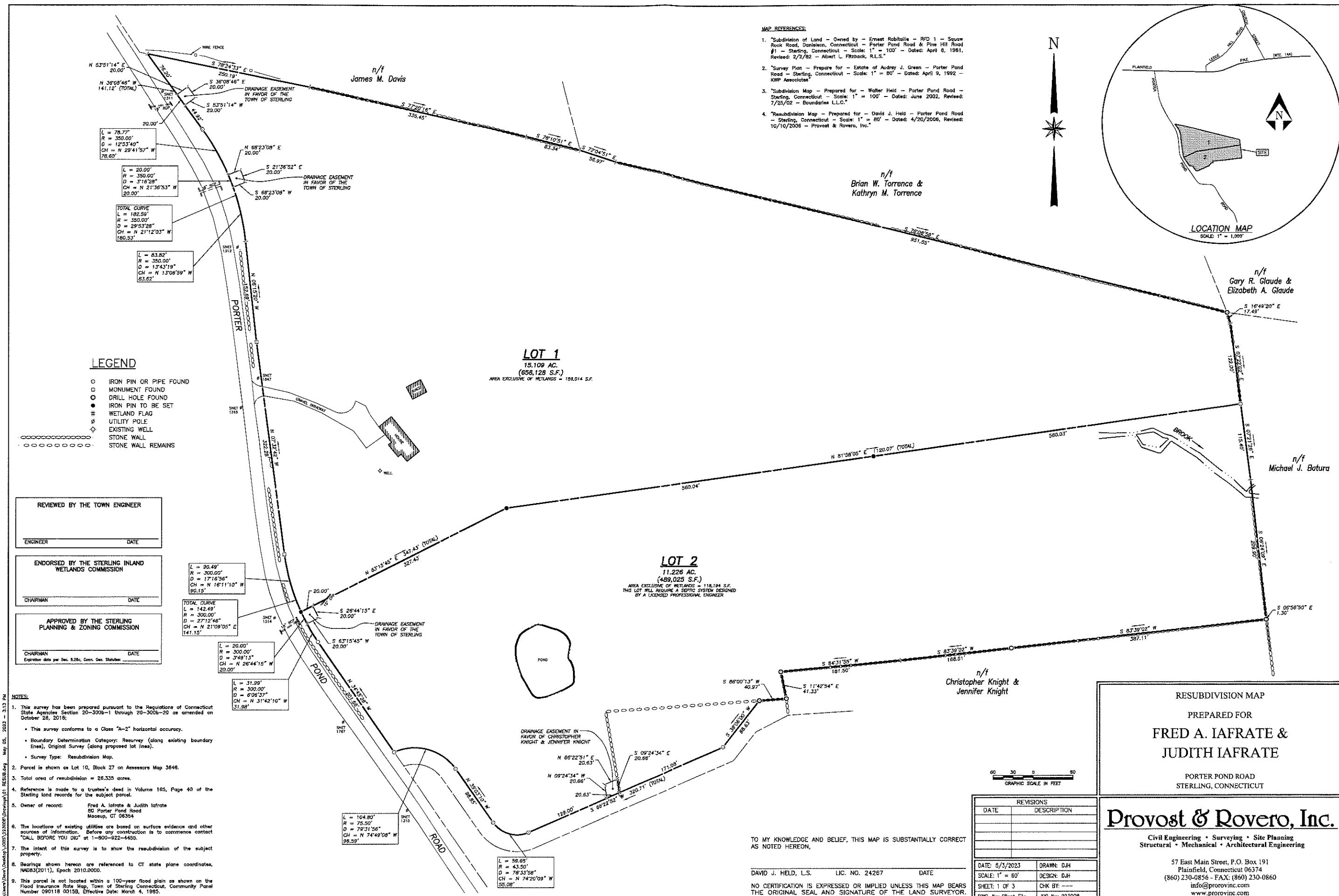
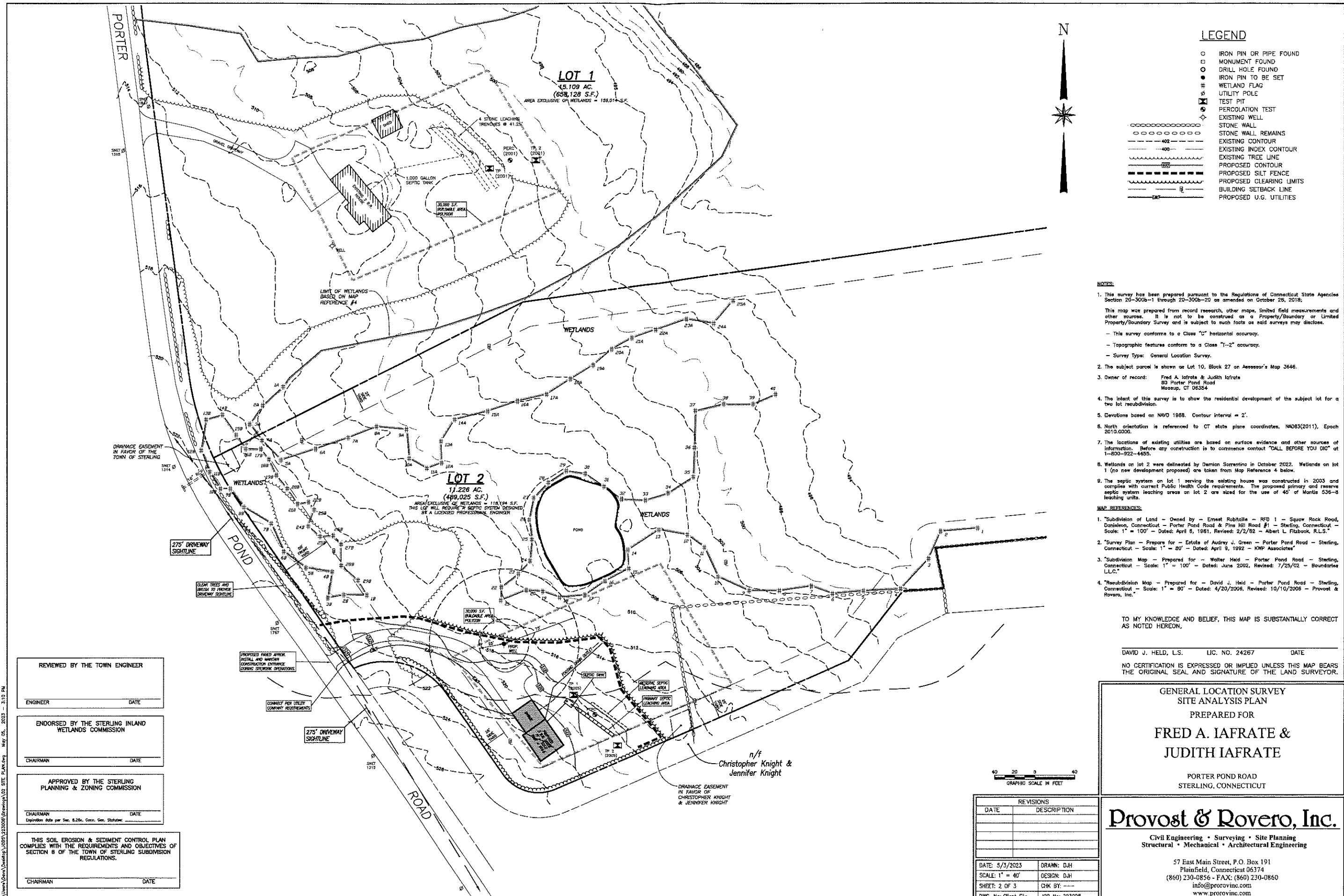


DEEP TEST HOLE EVALUATION

NORTHEAST DISTRICT DEPARTMENT OF HEALTH NOVEMBER 2, 2001

TEST PIT	DEPTH	PROFILE
1	0-7 7-11 11-15 15-19 19-23 23-27 27-31 31-35 35-39 39-43 43-47 47-51 51-55 55-59 59-63 63-67 67-71 71-75 75-79 79-83 83-87 87-91 91-95 95-99 99-103 103-107 107-111 111-115 115-119 119-123 123-127 127-131 131-135 135-139 139-143 143-147 147-151 151-155 155-159 159-163 163-167 167-171 171-175 175-179 179-183 183-187 187-191 191-195 195-199 199-203 203-207 207-211 211-215 215-219 219-223 223-227 227-231 231-235 235-239 239-243 243-247 247-251 251-255 255-259 259-263 263-267 267-271 271-275 275-279 279-283 283-287 287-291 291-295 295-299 299-303 303-307 307-311 311-315 315-319 319-323 323-327 327-331 331-335 335-339 339-343 343-347 347-351 351-355 355-359 359-363 363-367 367-371 371-375 375-379 379-383 383-387 387-391 391-395 395-399 399-403 403-407 407-411 411-415 415-419 419-423 423-427 427-431 431-435 435-439 439-443 443-447 447-451 451-455 455-459 459-463 463-467 467-471 471-475 475-479 479-483 483-487 487-491 491-495 495-499 499-503 503-507 507-511 511-515 515-519 519-523 523-527 527-531 531-535 535-539 539-543 543-547 547-551 551-555 555-559 559-563 563-567 567-571 571-575 575-579 579-583 583-587 587-591 591-595 595-599 599-603 603-607 607-611 611-615 615-619 619-623 623-627 627-631 631-635 635-639 639-643 643-647 647-651 651-655 655-659 659-663 663-667 667-671 671-675 675-679 679-683 683-687 687-691 691-695 695-699 699-703 703-707 707-711 711-715 715-719 719-723 723-727 727-731 731-735 735-739 739-743 743-747 747-751 751-755 755-759 759-763 763-767 767-771 771-775 775-779 779-783 783-787 787-791 791-795 795-799 799-803 803-807 807-811 811-815 815-819 819-823 823-827 827-831 831-835 835-839 839-843 843-847 847-851 851-855 855-859 859-863 863-867 867-871 871-875 875-879 879-883 883-887 887-891 891-895 895-899 899-903 903-907 907-911 911-915 915-919 919-923 923-927 927-931 931-935 935-939 939-943 943-947 947-951 951-955 955-959 959-963 963-967 967-971 971-975 975-979 979-983 983-987 987-991 991-995 995-999 999-1003 1003-1007 1007-1011 1011-1015 1015-1019 1019-1023 1023-1027 1027-1031 1031-1035 1035-1039 1039-1043 1043-1047 1047-1051 1051-1055 1055-1059 1059-1063 1063-1067 1067-1071 1071-1075 1075-1079 1079-1083 1083-1087 1087-1091 1091-1095 1095-1099 1099-1103 1103-1107 1107-1111 1111-1115 1115-1119 1119-1123 1123-1127 1127-1131 1131-1135 1135-1139 1139-1143 1143-1147 1147-1151 1151-1155 1155-1159 1159-1163 1163-1167 1167-1171 1171-1175 1175-1179 1179-1183 1183-1187 1187-1191 1191-1195 1195-1199 1199-1203 1203-1207 1207-1211 1211-1215 1215-1219 1219-1223 1223-1227 1227-1231 1231-1235 1235-1239 1239-1243 1243-1247 1247-1251 1251-1255 1255-1259 1259-1263 1263-1267 1267-1271 1271-1275 1275-1279 1279-1283 1283-1287 1287-1291 1291-1295 1295-1299 1299-1303 1303-1307 1307-1311 1311-1315 1315-1319 1319-1323 1323-1327 1327-1331 1331-1335 1335-1339 1339-1343 1343-1347 1347-1351 1351-1355 1355-1359 1359-1363 1363-1367 1367-1371 1371-1375 1375-1379 1379-1383 1383-1387 1387-1391 1391-1395 1395-1399 1399-1403 1403-1407 1407-1411 1411-1415 1415-1419 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1819-1823 1823-1827 1827-1831 1831-1835 1835-1839 1839-1843 1843-1847 1847-1851 1851-1855 1855-1859 1859-1863 1863-1867 1867-1871 1871-1875 1875-1879 1879-1883 1883-1887 1887-1891 1891-1895 1895-1899 1899-1903 1903-1907 1907-1911 1911-1915 1915-1919 1919-1923 1923-1927 1927-1931 1931-1935 1935-1939 1939-1943 1943-1947 1947-1951 1951-1955 1955-1959 1959-1963 1963-1967 1967-1971 1971-1975 1975-1979 1979-1983 1983-1987 1987-1991 1991-1995 1995-1999 1999-2003 2003-2007 2007-2011 2011-2015 2015-2019 2019-2023 2023-2027 2027-2031 2031-2035 2035-2039 2039-2043 2043-2047 2047-2051 2051-2055 2055-2059 2059-2063 2063-2067 2067-2071 2071-2075 2075-2079 2079-2083 2083-2087 2087-2091 2091-2095 2095-2099 2099-2103 2103-2107 2107-2111 2111-2115 2115-2119 2119-2123 2123-2127 2127-2131 2131-2135 2135-2139 2139-2143 2143-2147 2147-2151 2151-2155 2155-2159 2159-2163 2163-2167 2167-2171 2171-2175 2175-2179 2179-2183 2183-2187 2187-2191 2191-2195 2195-2199 2199-2203 2203-2207 2207-2211 2211-2215 2215-2219 2219-2223 2223-2227 2227-2231 2231-2235 2235-2239 2239-2243 2243-2247 2247-2251 2251-2255 2255-2259 2259-2263 2263-2267 2267-2271 2271-2275 2275-2279 2279-2283 2283-2287 2287-2291 2291-2295 2295-2299 2299-2303 2303-2307 2307-2311 2311-2315 2315-2319 2319-2323 2323-2327 2327-2331 2331-2335 2335-2339 2339-2343 2343-2347 2347-2351 2351-2355 2355-2359 2359-2363 2363-2367 2367-2371 2371-2375 2375-2379 2379-2383 2383-2387 2387-2391 2391-2395 2395-2399 2399-2403 2403-2407 2407-2411 2411-2415 2415-2419 2419-2423 2423-2427 2427-2431 2431-2435 2435-2439 2439-2443 2443-2447 2447-2451 2451-2455 2455-2459 2459-2463 2463-2467 2467-2471 2471-2475 2475-2479 2479-2483 2483-2487 2487-2491 2491-2495 2495-2499 2499-2503 2503-2507 2507-2511 2511-2515 2515-2519 2519-2523 2523-2527 2527-2531 2531-2535 2535-2539 2539-2543 2543-2547 2547-2551 2551-2555 2555-2559 2559-2563 2563-2567 2567-2571 2571-2575 2575-2579 2579-2583 2583-2587 2587-2591 2591-2595 2595-2599 2599-2603 2603-2607 2607-2611 2611-2615 2615-2619 2619-2623 2623-2627 2627-2631 2631-2635 2635-2639 2639-2643 2643-2647 2647-2651 2651-2655 2655-2659 2659-2663 2663-2667 2667-2671 2671-2675 2675-2679 2679-2683 2683-2687 2687-2691 2691-2695 2695-2699 2699-2703 2703-2707 2707-2711 2711-2715 2715-2719 2719-2723 2723-2727 2727-2731 2731-2735 2735-2739 2739-2743 2743-2747 2747-2751 2751-2755 2755-2759 2759-2763 2763-2767 2767-2771 2771-2775	





EROSION AND SEDIMENT CONTROL PLAN:

RESPONSIBLE PARTY:

Fred Iafrate
57 Porter Pond Road
Moen, CT 06354
(860) 710-3387

REFERENCE IS MADE TO:

- Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
- Soil Survey of Windham County Connecticut, U.S.D.A. Soil Conservation Service 1983.

SOILS:

The proposed site is comprised mainly of three soil types; Ridgebury, Leicester, and Whitman extremely stony, fine sandy loam. This unit consists of nearly level, poorly drained soils in depressions and drainages of glacial till uplands. The areas are mostly long and narrow or irregular in shape and range from 5 to 180 acres. Slopes range from 0 to 3 percent and are mainly 100 to 300 feet long. Stones cover 8 to 25 percent of the surface.

WaB-Woodbridge fine sandy loam, 3 to 8 percent slopes. This soil is gently sloping and moderately well drained. It is on the tops and side slopes of large drumlins and hills on glacial till uplands. The areas are mostly long and narrow or irregular in shape and range from 3 to 50 acres.

WbB-Woodbridge very stony fine sandy loam, 3 to 8 percent slopes. This soil is gently sloping and moderately well drained. It is on the tops and side slopes of drumlins and hills on glacial till uplands. The areas are mostly long and narrow or irregular in shape and range from 3 to 25 acres. Stones cover 1 to 8 percent of the surface.

DEVELOPMENT SCHEDULE: (Individual Lots):

- Prior to any work on site, the limits of disturbance shall be clearly flagged in the field by a Land Surveyor, licensed in the State of Connecticut. Once the limits of clearing are flagged, they shall be reviewed and approved by an agent of the Town.
- Install and maintain erosion and sedimentation control devices as shown on these plans. All erosion control devices shall be inspected by an agent of the Town. Any additional erosion control devices required by the Town's Agent shall be installed and inspected prior to any construction on site. (See silt fence installation notes.)
- Install construction entrance.
- Construction will begin with clearing, grubbing and rough grading of the proposed site. The work will be confined to areas adjacent to the proposed building, septic system and driveway. Topsoil will be stockpiled on site and utilized during final grading.
- Begin construction of the house, septic system and well.
- Disturbed areas shall be seeded and stabilized as soon as possible to prevent erosion.
- The site will be graded so that all possible trees on site will be saved to provide buffers to adjoining lots.

DEVELOPMENT CONTROL PLAN:

- Development of the site will be performed by the individual lot owner, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
- The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town of Sterling will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures shall not be removed until this inspection is complete.
- All stripping is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
- Dust control will be accomplished by spraying with water and if necessary, the application of calcium chloride.
- The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
- Final stabilization of the site is to follow the procedures outlined in "Permanent Vegetative Cover". If necessary a temporary vegetative cover is to be provided until a permanent cover can be applied.

SILT FENCE INSTALLATION AND MAINTENANCE:

- Dig a 6" deep trench on the uphill side of the barrier location.
- Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
- Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
- Inspect and repair barrier after heavy rainfall.
- Inspections will be made at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
- Sediment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the inland wetlands commission.
- Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when the fence has been overtapped, undercut or bypassed by runoff water, the fence has been moved out of position (knocked over), or the geotextile has decomposed or been damaged.

HAY BAILE INSTALLATION AND MAINTENANCE:

- Bales shall be placed on the plane with the ends of the bales tightly abutting each other.
- Each bale shall be securely anchored with at least 2 stakes and gaps between bales shall be wedged with straw to prevent water from passing between the bales.
- Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs.
- Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the inland wetlands commission.
- Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when the barrier has been overtapped, undercut or bypassed by runoff water, the barrier has been moved out of position, or the hay bales have deteriorated or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION:

Cross species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure TS-2 in the 2002 Guidelines.

TIMING CONSIDERATIONS:

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION:

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and graded waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

APPROVED BY THE STERLING PLANNING COMMISSION

ENDORSED BY THE STERLING INLAND WETLANDS COMMISSION

REVIEWED BY THE TOWN ENGINEER

REVISIONS

DATE	DESCRIPTION
5/3/2023	DJH
AS SHOWN	DJH
3 of 3	CHK BY: _____
5/3/2023	NDH

THIS SOIL EROSION & SEDIMENT CONTROL PLAN COMPLETES WITH THE REQUIREMENTS AND OBJECTIVES OF SECTION 6 OF THE TOWN OF STERLING SUBDIVISION REGULATIONS.

CONSTRUCTION ENTRANCE

NOT TO SCALE

MINIMUM LEACHING SYSTEM SPREAD CALCULATIONS

NOT TO SCALE

UNDERGROUND UTILITY TRENCH

NOT TO SCALE

PERCOLATION TEST RESULT - November 2, 2005

Northeast District Department of Health

HOLE	DEPTH	RATE (min./in.)
A	17"	8.0

PERCOLATION TEST RESULT - August 13, 2001

Northeast District Department of Health

HOLE	DEPTH	RATE (min./in.)
A	26"	5.5

NOT TO SCALE

GRAVEL DRIVE DETAIL FOR SINGLE RESIDENCE

NOT TO SCALE

SECTION - UPHILL DRIVEWAY

SECTION - DOWNHILL DRIVEWAY

RESIDENTIAL DRIVEWAY DETAILS

NOT TO SCALE

DETAIL SHEET

PREPARED FOR

FRED A. IAFRATE & JUDITH IAFRATE

PORTER POND ROAD
STERLING, CONNECTICUT

Provost & Rovero, Inc.

Civil Engineering • Surveying • Site Planning
Structural • Mechanical • Architectural Engineering

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