



425 GEO WASHINGTON TPKE





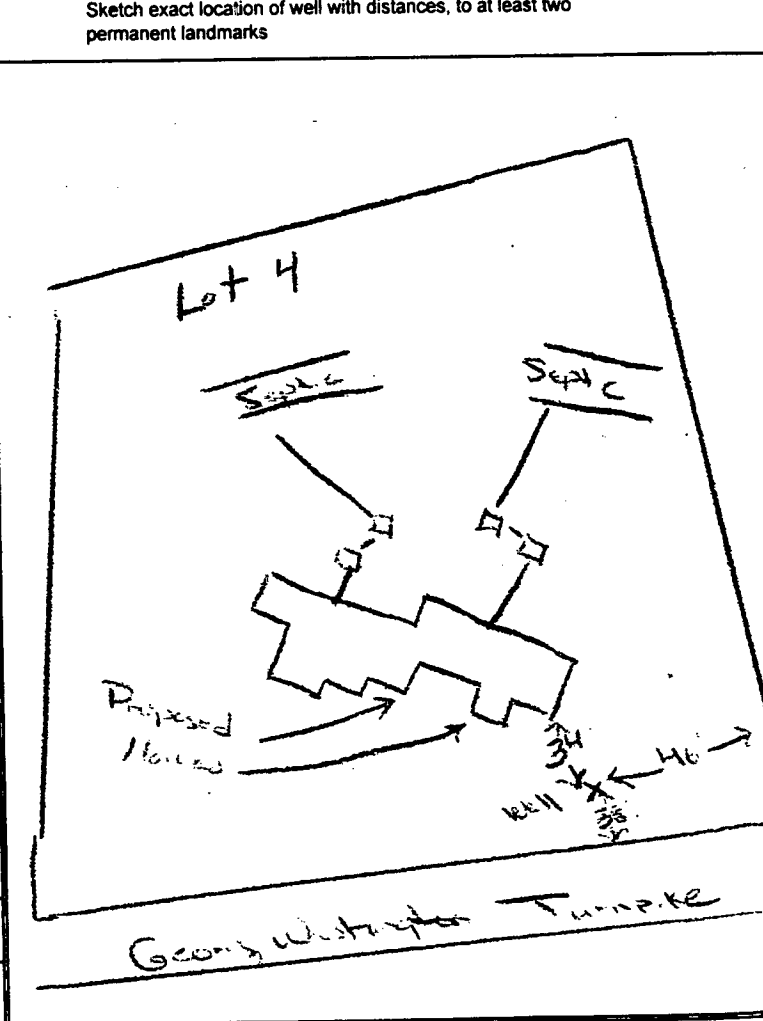
**STATE OF CONNECTICUT
DEPARTMENT OF CONSUMER PROTECTION
REAL ESTATE & PROFESSIONAL TRADES DIVISION
WELL DRILLING COMPLETION REPORT
165 Capitol Avenue, Hartford, Connecticut 06106**

Do NOT fill in
STATE WELL NO.
OTHER NO.

OWNER	NAME <i>Bury Corp Jerry Bury</i>		ADDRESS <i>Burlington</i>					
LOCATION OF WELL	(No. & Street) <i>George Washington Turnpike</i>		(Lot Number) <i>Burlington Lot 4</i>					
PROPOSED USE OF WELL	<input checked="" type="checkbox"/> DOMESTIC	<input type="checkbox"/> BUSINESS ESTABLISHMENT	<input type="checkbox"/> FARM	<input type="checkbox"/> TEST WELL				
	<input type="checkbox"/> PUBLIC SUPPLY	<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> AIR CONDITIONING	<input type="checkbox"/> OTHER (Specify)				
DRILLING EQUIPMENT	<input type="checkbox"/> ROTARY	<input checked="" type="checkbox"/> COMPRESSED AIR PERCUSSION	<input type="checkbox"/> CABLE PERCUSSION	<input type="checkbox"/> OTHER (Specify)				
	CASING DETAILS	LENGTH (feet) <i>140</i>	DIAMETER (inches) <i>6"</i>	WEIGHT PER FOOT <i>17</i>	<input checked="" type="checkbox"/> THREADED <input type="checkbox"/> WELDED	DRIVE SHOE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	WAS CASING GROUTED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
YIELD TEST	<input type="checkbox"/> BAILED	<input type="checkbox"/> PUMPED	<input checked="" type="checkbox"/> COMPRESSED AIR	HOURS <i>4</i>	YIELD (GPM) <i>5</i>			
WATER LEVEL	MEASURE FROM LAND SURFACE - STATIC (Specify feet) <i>60</i>		DURING YIELD TEST (feet) <i>400</i>		Depth of Completed Well in feet <i>400</i>			
	SCREEN DETAILS				LENGTH OPEN TO AQUIFER (feet)			
MAKE		SLOT SIZE	DIAMETER (inches)	IF GRAVEL PACKED:	Diameter of well including gravel pack (inches)	GRAVEL SIZE (inches)	FROM (feet)	TO (feet)

DEPTH FROM LAND TO SURFACE FEET TO FEET		FORMATION DESCRIPTION
<i>0</i>	<i>130</i>	<i>Sand & Gravel</i>
<i>140</i>	<i>400</i>	<i>Gray & White Ledge</i>

If yield was tested at different depths during drilling, list below	
FEET	GALLONS PER MINUTE
<i>325'</i>	<i>3</i>
<i>400'</i>	<i>5</i>



DATE WELL COMPLETED <i>6-4-01</i>	PERMIT NO <i>205-166</i>	REGISTRATION NO <i>108</i>	DATE OF REPORT <i>6-5-01</i>	WELL DRILLER (Signature) <i>Ray A. Smith</i>
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(GARAGE)
427

(GARAGE)

(HOUSE)
425

(REAR)

A

B

HATCHWAY

LOCATIONS

A → C = 29'-8"

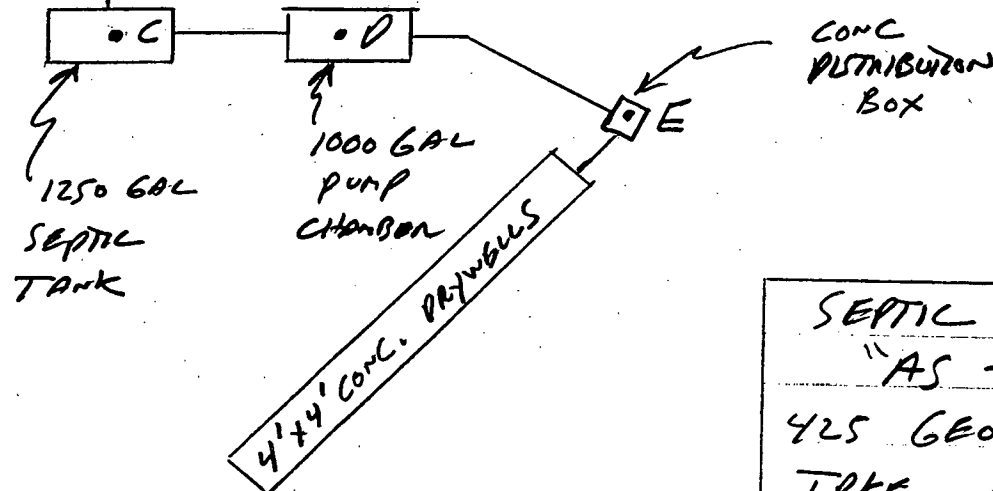
A → D = 32'-4"

A → E = 47'-9"

B → C = 36'-8"

B → D = 30'-4"

B → E = 35'-10"



SEPTIC SYSTEM
"AS - BUILT"

425 GEORGE WASHINGTON
TRKE, BURLINGTON

BRYCORP INC

11/01

SECTION 318 FLAME SPREAD AND SMOKE DENSITY

318.1 Wall and ceiling. Wall and ceiling finishes shall have a flame-spread classification of not greater than 200.

Exception: Flame-spread requirements for finishes shall not apply to trim defined as picture molds, chair rails, baseboards and handrails; to doors and windows or their frames; or to materials which are less than $\frac{1}{28}$ inch (0.907 mm) in thickness cemented to the surface of walls or ceilings if these materials have a flame-spread characteristic no greater than paper of this thickness cemented to a noncombustible backing.

318.2 Smoke density. The smoke density shall not be greater than 450.

318.3 Testing. Tests shall be made in accordance with ASTM E 84.

SECTION 319 INSULATION

319.1 Insulation. All exposed insulation materials, including facings, such as vapor barriers or breather papers installed within floor-ceiling assemblies, roof-ceiling assemblies, wall assemblies, crawl spaces and attics shall have a flame-spread rating not to exceed 25 with an accompanying smoke developed factor not to exceed 450 when tested in accordance with ASTM E 84.

Exception: When such materials are installed in concealed spaces, the flame-spread and smoke-development limitations do not apply to the facings, provided that the facing is installed in substantial contact with the unexposed surface of the ceiling, floor or wall finish.

319.2 Loose-fill insulation. Loose-fill insulation materials which cannot be mounted in the ASTM E 84 apparatus without a screen or artificial supports shall have a flame-spread rating not to exceed 25 with an accompanying smoke-developed factor not to exceed 450 when tested in accordance with CAN4-S102.2-M83.

319.3 Exposed attic insulation. All exposed insulation materials installed on attic floors shall have a critical radiant flux not less than 0.12 watt per square centimeter.

319.4 Testing. Tests for critical radiant flux shall be made in accordance with ASTM E 970.

SECTION 320 DWELLING UNIT SEPARATION

320.1 Two-family dwellings. Dwelling units in two-family dwellings shall be separated from each other by wall and/or floor assemblies of not less than 1-hour fire-resistive rating when tested in accordance with ASTM E 119. Fire-resistive-rated floor-ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend to the underside of the roof sheathing.

320.1.1 Supporting construction. When floor assemblies are required to be fire-resistive rated by Section 320.1, the support-

ing construction of such assemblies shall have an equal or greater fire-resistive rating.

320.2 Townhouses. Each townhouse shall be considered a separate building and separated by separate walls meeting the requirements of Section 302.

Exception: A common 2-hour fire-resistive wall is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installations are limited to electrical wire installed in raceways and electrical outlet boxes.

Metallic electrical outlet boxes shall not exceed 16 square inches (10 320 mm²) in surface area. The aggregate surface area of the boxes shall not exceed 100 square inches (0.645 m²) for any 100 square feet (9.29 m²) of wall area. Metallic outlet boxes on opposite sides of walls shall be separated by a minimum distance of 24 inches (610 mm).

Metallic electrical outlet boxes shall be installed in accordance with their listings.

320.2.1 Continuity. The common wall for townhouses shall be continuous from the foundation to the underside of the roof sheathing, deck or slab and shall extend the full length of the common wall.

320.2.2 Parapets. Parapets shall be provided for townhouses as an extension of the common wall in accordance with the following:

1. Where roof surfaces adjacent to the wall are at the same elevation, the parapet shall extend not less than 30 inches (762 mm) above the roof surfaces.
2. Where roof surfaces adjacent to the wall are at different elevations and the higher roof is not more than 30 inches (762 mm) above the lower roof, the parapet shall extend not less than 30 inches (762 mm) above the lower roof surface.

Exception: A parapet is not required in the two cases above when the roof is covered with a minimum C roof covering, and the roof decking or sheathing is of noncombustible materials or approved fire-retardant-treated wood for a distance of 4 feet (1219 mm) on each side of the wall, or one layer of $\frac{5}{8}$ -inch (15.9 mm) Type X gypsum board is installed directly beneath the roof decking or sheathing for a distance of 4 feet (1219 mm) on each side of the wall.

3. A parapet is not required where roof surfaces adjacent to the wall are at different elevations and the higher roof is more than 30 inches (762 mm) above the lower roof. The wall construction from the lower roof to the underside of the higher roof deck shall not have less than a 1-hour fire-resistive rating. The fire-resistive rating shall be rated for exposure from both sides.

320.2.3 Structural independence. Each individual townhouse shall be structurally independent.

Exceptions:

1. Foundations supporting common walls.
2. Nonstructural wall coverings.
3. Flashing at termination of roof covering over common wall.

4. The lower unit of a two-story duplex may structurally support the upper unit.

320.3 Sound transmission. Wall and floor-ceiling assemblies separating dwelling units shall provide airborne sound insulation for walls and both airborne and impact sound insulation for floor-ceiling assemblies.

320.3.1 Airborne noise. Airborne sound insulation for wall and floor-ceiling assemblies shall meet a Sound Transmission Class (STC) of 45 when tested in accordance with ASTM E 90.

320.3.1.1 Penetrations. Penetrations or openings in the assembly for pipes, ventilation or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings.

320.3.2 Structural-borne noise. Impact sound insulation for floor-ceiling assemblies shall meet an Impact Insulation Class (IIC) of 45 when tested in accordance with ASTM E 492. Floor covering may be included in the assembly to obtain the required rating.

SECTION 321 MOISTURE VAPOR RETARDERS

321.1 Retarder required. In all frame walls and floors, and ceilings, not ventilated to allow moisture to escape, an approved vapor retarder having a maximum perm rating of 1.0, when tested in accordance with Procedure for Desiccant of Method ASTM E 96 shall be used on the warm-in-winter side of the thermal insulation.

Exceptions:

1. In construction where moisture or its freezing will not damage the materials.
2. In hot and humid climate areas where either of the following conditions occur: 67°F. (19°C.) or higher wet-bulb temperature for 3,000 or more hours during the warmest six consecutive months of the year, or 73°F. (23°C.) or higher wet-bulb temperature for 1,500 or more hours during the warmest six consecutive months of the year.

SECTION 322 PROTECTION AGAINST DECAY

322.1 Location required. In areas subject to decay damage as established by Table 301.2a, the following locations shall require the use of an approved species and grade of lumber, pressure preservatively treated in accordance with AWPAC1, C2, C3, C4, C9, C15, C18, C20, C22, C23, C24, C27, C28, P1, P2 and P3, or decay-resistant heartwood of redwood, black locust, or cedars.

1. Wood joists or the bottom of a wood structural floor when closer than 18 inches (457 mm) or wood girders when closer than 12 inches (305 mm) to exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation.
2. All sills or plates which rest on concrete or masonry exterior walls and are less than 8 inches (203 mm) from exposed ground.

3. Sills and sleepers on a concrete or masonry slab which is in direct contact with the ground unless separated from such slab by an impervious moisture barrier.
4. The ends of wood girders entering exterior masonry or concrete walls having clearances of less than 1/2 inch (12.7 mm) on tops, sides and ends.
5. Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches (153 mm) from the ground.
6. Wood structural members supporting moisture-permeable floors or roofs which are exposed to the weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier.
7. Wood furring strips or other wood framing members attached directly to the interior of exterior masonry walls or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members.

322.1.1 Ground contact. All wood in contact with the ground and which supports permanent structures intended for human occupancy shall be approved wood suitable for ground contact use, except untreated wood may be used where entirely below groundwater level or continuously submerged in fresh water.

322.1.2 Geographical areas. In geographical areas where experience has demonstrated a specific need, approved naturally durable or pressure-treated wood shall be used for those portions of wood members which form the structural supports of buildings, balconies, porches, or similar permanent building appurtenances when such members are exposed to the weather without adequate protection from a roof, eave, overhang or other covering which would prevent moisture or water accumulation on the surface or at joints between members. Depending on local experience, such members may include:

1. Horizontal members such as girders, joists and decking.
2. Vertical members such as posts, poles and columns.
3. Both horizontal and vertical members.

322.1.3 Post, poles and columns. Posts, poles, and columns supporting permanent structures intended for human occupancy which are embedded in concrete in direct contact with the ground or embedded in concrete exposed to the weather shall be approved pressure-treated wood suitable for ground contact use.

322.1.4 Wood columns. Wood columns shall be approved wood of natural decay resistance or approved pressure preservatively treated wood.

Exception: Posts or columns supported by piers projecting 2 inches (51 mm) above the floor or finish grade and separated therefrom by an approved impervious moisture barrier.

322.2 Quality mark. Lumber and plywood required to be pressure preservatively treated in accordance with this code shall bear the quality mark of an approved inspection agency which maintains continuing supervision, testing and inspection over the quality of the product.

322.2.1 Required information. The required quality mark on each piece of pressure preservatively treated lumber or plywood shall contain the following information:

1. Identification of the treating plant.

lot #4 GWTPK Attached Townhouse

Express window in Bedroom
Beam Jay outs

2 hr wall between w Fire Treated
Ply wood over separation wall w
the Restrictions

see deed

506.11 + 271

1st Floor $16.33 \times 31 + 20.33 \times 13.33 +$

$16 = 793 @ 50 =$

39,650

2.33×7

651

+ 54 = 705 @ 25 = 24,675

2nd Floor $20.33 \times 32 + 6 \times 9$

Garage $20.33 \times 10.5 = 396 @ 20.50$

8,118

72,443

Fee $730 \times 2 = 1,460$

17

17-18

677
4623



BRISTOL-BURLINGTON HEALTH DISTRICT

240 Stafford Avenue
Bristol, Connecticut 06010-4617
Tel. (860) 584-7682 • Fax (860) 584-3814

PERMIT TO DISCHARGE

Approval is hereby given to Brycorp, Inc. to discharge to a subsurface sewage disposal system located at 425 George Washington Turnpike (Lot 4) in the town of Burlington which will receive treated domestic sewage from a:

- Residential Building containing 3/3 bedrooms.
- Restaurant containing N/A seats.
- Commercial/Office Building providing N/A square feet.
- Other structure as described: N/A

PROVIDED: Liquid discharge volume shall not exceed:

- ◆ 100 gallons per bedroom per day for 3/3 bedrooms.
- ◆ gallons per day average flow for non-residential structures.
(note: average daily discharge = design flow / 1.5)

The septic tank shall be inspected regularly and cleaned as needed but not less frequently than every five years. (CIRCLE APPROPRIATE **BOLDED** SELECTIONS BELOW)

- a.** The septic tank is served by an outlet filter that requires periodic cleaning. Failure to clean the filter could result in a backup of sewage into the home's plumbing. Symptoms of such a problem can include gurgling toilets, slow draining sinks, and backup of sewage in lowest plumbing fixtures. Action should be taken to have the tank and filter cleaned whenever such symptoms occur.
- b. The facility is served by an external grease separator tank that requires quarterly inspection and cleaning as necessary.
- c. System repair was made utilizing the existing septic tank which WAS / WAS NOT retrofitted with a septic tank outlet filter.

Construction Permit No. 1622 Date of Final Inspection November 13, 2001

Installation Inspected by Brien M. O'Hazo Title Registered Sanitarian

SPECIAL REQUIREMENTS OR RESTRICTIONS:

EXCEPTIONS:

Issued By *Brien M. O'Hazo* Title Registered Sanitarian Date November 20, 2001
Brien M. O'Hazo

AVERILL ENVIRONMENTAL LABORATORY INC

CT Laboratory ID No. PH-0513
 MA Laboratory ID No: M-CT029
 NY Laboratory ID No. 11599

100 Northwest Drive Plainville, CT 06062
 (860) 747-0676 FAX (860) 747-9264 CT ONLY 1-800-870-7904
 Lawton S. Averill - Director • Alan G. Jacobs - Co-Director

NH Laboratory ID No. 2506
 ME Laboratory ID No. CT029

REPORT ON LABORATORY EXAMINATIONS

To Client: Brycorp, Inc.
 104 Ledge Road
 Plainville, CT 06062

Report Date: Wednesday, November 21, 2001

Attn: William Bryant

Received Date: Thursday, November 15, 2001

Collect Date: Thursday, November 15, 2001

Collect Time: 16:00

Collected By: Bill Bryant

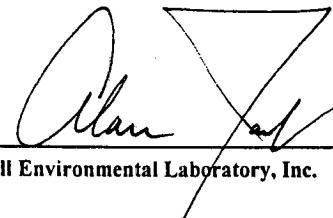
AEL Lab#: AEL01010824

Sampling Point: Well Tank

Address of Supply: 425 George Washington Turnpike

Sample Matrix: Drinking Water

Test	Result	Units	State of CT DOHAS Guidelines
Color	6	units	15
Odor	1 - Earthy	units	2
Turbidity	4.6	NTU	5.0
pH	7.3	units	6.5 - 9.0
Alkalinity	36	mg/L	
Ammonia Nitrogen as N	0.13	mg/L	
Chloride	23.4	mg/L	250
Nitrate Nitrogen as N	0.5	mg/L	10.0
Nitrite Nitrogen as N	< 0.10	mg/L	1.0
Sulfate	8.1	mg/L	500
Calcium	14.3	mg/L	
Iron	0.975	mg/L	0.30
Magnesium	2.57	mg/L	
Manganese	0.020	mg/L	0.050
Sodium	12.9	mg/L	28
Hardness, Calculated	46.2	mg/L CaCO ₃	
Benzene	< 0.50	ug/L	5.0
Bromobenzene	< 0.50	ug/L	
Bromochloromethane	< 0.50	ug/L	
Bromodichloromethane	< 0.50	ug/L	
Bromoform	< 0.50	ug/L	
Bromomethane	< 0.50	ug/L	
n-Butylbenzene	< 0.50	ug/L	
sec-Butylbenzene	< 0.50	ug/L	
tert-Butylbenzene	< 0.50	ug/L	
Carbon tetrachloride	< 0.50	ug/L	5.0
Chlorobenzene	< 0.50	ug/L	100
Chloroethane	< 0.50	ug/L	
Chloroform	1.7	ug/L	
Chloromethane	< 0.50	ug/L	
1,2-Chlorotoluene	< 0.50	ug/L	
1,4-Chlorotoluene	< 0.50	ug/L	
Dibromochloromethane	< 0.50	ug/L	
1,2-Dibromo-3-chloropropane	< 0.50	ug/L	
1,2-Dibromoethane	< 0.50	ug/L	
Dibromomethane	< 0.50	ug/L	
1,2-Dichlorobenzene	< 0.50	ug/L	
1,3-Dichlorobenzene	< 0.50	ug/L	



AVERRILL ENVIRONMENTAL LABORATORY INC

CT Laboratory ID No. PH-0513
 MA Laboratory ID No. M-CT029
 NY Laboratory ID No. 11599

100 Northwest Drive Plainville, CT 06062
 (860) 747-0676 FAX (860) 747-9264 CT ONLY 1-800-870-7904
 Lawton S. Averill - Director • Alan G. Jacobs - Co-Director

NH Laboratory ID No. 2506
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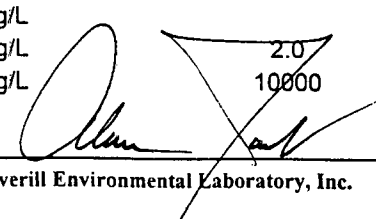
AEL Lab#: AEL01010824

Sampling Point: Well Tank

Address of Supply: 425 George Washington Turnpike

Sample Matrix: Drinking Water 2

Test	Result	Units	State of CT DOHAS Guidelines
1,4-Dichlorobenzene	< 0.50	ug/L	
Dichlorodifluoromethane	< 0.50	ug/L	
1,1-Dichloroethane	< 0.50	ug/L	
1,2-Dichloroethane	< 0.50	ug/L	5.0
1,1-Dichloroethylene	< 0.50	ug/L	7.0
cis-1,2-Dichloroethylene	< 0.50	ug/L	70
trans-1,2-Dichloroethylene	< 0.50	ug/L	100
1,2-Dichloropropane	< 0.50	ug/L	5.0
1,3-Dichloropropane	< 0.50	ug/L	
2,2-Dichloropropane	< 0.50	ug/L	
1,1-Dichloropropylene	< 0.50	ug/L	
cis-1,3-Dichloropropylene	< 0.50	ug/L	
trans-1,3-Dichloropropylene	< 0.50	ug/L	
Ethylbenzene	< 0.50	ug/L	700
Hexachlorobutadiene	< 0.50	ug/L	
Isopropylbenzene	< 0.50	ug/L	
p-Isopropyltoluene	< 0.50	ug/L	
Methylene chloride	< 1.0	ug/L	5.0
Methyl tert-butyl ether	< 0.5	ug/L	
Naphthalene	< 0.50	ug/L	
n-Propylbenzene	< 0.50	ug/L	
Styrene	< 0.50	ug/L	110
1,1,1,2-Tetrachloroethane	< 0.50	ug/L	
1,1,2,2-Tetrachloroethane	< 0.50	ug/L	
Tetrachloroethylene	< 0.50	ug/L	5.0
Toluene	< 0.50	ug/L	1000
1,2,3-Trichlorobenzene	< 0.50	ug/L	
1,2,4-Trichlorobenzene	< 0.50	ug/L	
1,1,1-Trichloroethane	< 0.50	ug/L	200
1,1,2-Trichloroethane	< 0.50	ug/L	5.0
Trichloroethylene	< 0.50	ug/L	5.0
Trichlorofluoromethane	< 0.50	ug/L	
1,2,3-Trichloropropane	< 0.50	ug/L	
1,2,3-Trimethylbenzene	< 0.50	ug/L	
1,2,4-Trimethylbenzene	< 0.50	ug/L	
1,3,5-Trimethylbenzene	< 0.50	ug/L	
Vinyl chloride	< 0.50	ug/L	
Xylenes (Total)	< 1.0	ug/L	


 2.0
 10000
 Averill Environmental Laboratory, Inc.

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Sampling Point: Well Tank

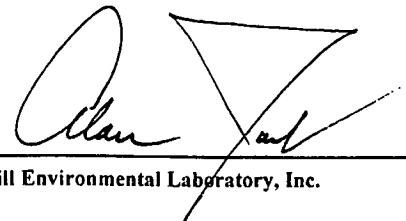
Address of Supply: 425 George Washington Turnpike

Sample Matrix: Drinking Water

Test	Result	Units	State of CT DOHAS Guidelines
E. Coli - Presence/Absent	Absent	per 100mL	Absent
Coliform - Presence/Absent	Absent	per 100 mL	Absent

Conclusion:

The Laboratory results indicate that the water was bacteriologically safe for drinking purposes at the time the sample was collected.



Averill Environmental Laboratory, Inc.

INTERPRETATION OF LABORATORY RESULTS

When evaluating water quality, all analytical and sanitary data concerning the source of the water supply must be properly interpreted. The following list is presented as a guideline only. The guidelines are those adopted by the State of Connecticut, Department of Health and Addiction Services (CT DOHAS). The limits do not necessarily mean that water is harmful if the limit is exceeded, unless otherwise noted.

ALKALINITY Alkalinity is a measure of alkaline substances such as hydroxides, carbonates, and bicarbonates with the capacity for neutralizing acids. There is no CT DOHAS recommended limit. Refer to pH explanation for further information.

CHLORIDE (CT DOHAS limit: 250 mg/L) Chlorides are an indicator of sewage pollution if found in concentrations higher than normal for the area. Normal chloride concentrations vary with distance from bodies of salt water.

COLOR (CT DOHAS limit: 15 units) Color may result from iron, manganese, humus, plankton, or wastewater. A value above the limit causes the water to be considered aesthetically unacceptable.

IRON (CT DOHAS limit: less than 0.30 mg/L) An iron value above 0.30 mg/L, but below 1.0 mg/L, may cause discoloration of the water and staining of the laundry and plumbing fixtures. A value above 1.0 mg/L will cause discoloration of the water and staining of the laundry and plumbing fixtures. The staining is a reddish-brown color. 4

MANGANESE (CT DOHAS limit: less than 0.050 mg/L) A manganese value above 0.050 mg/L, but below 0.150 mg/L, may cause discoloration of the water and staining of the laundry and plumbing fixtures. A value above 0.150 mg/L will cause discoloration of the water and staining of the laundry and plumbing fixtures. The staining is brownish-black color.

NITROGEN CONSTITUENTS CT DOHAS limits:

Ammonia Nitrogen - No limit, Nitrate + Nitrite Nitrogen - 10 mg/L, Nitrite Nitrogen - 1.0 mg/L

These parameters may indicate sewage or other nitrogenous contamination such as fertilizers or animal wastes. Nitrate plus Nitrite Nitrogen in excess of 10 mg/L is potentially dangerous, particularly for infant feeding.

ODOR (CT DOHAS limit: 2 units) Odor is a subjective evaluation of the acceptability of the water. A value above the limit causes the water to be considered aesthetically unacceptable.

SODIUM (CT DOHAS limit: 28 mg/L) People on low salt diets should consult with their physician regarding sodium intake through the water supply if the value exceeds 28 mg/L.

HARDNESS CT DOHAS limits:

Less than 50 mg/L is soft, 50 - 120 mg/L is medium hard, greater than 120 mg/L is hard.

Hardness is primarily a measure of calcium and magnesium in water and is related to the soap consuming power of the water. Hard water may cause scaling of hot water pipes.

TURBIDITY (CT DOHAS limit: 5.0 NTU) This test measures the light scattering property of solids in the water. A value above the limit causes the water to be considered aesthetically unacceptable.

pH (CT DOHAS range: 6.5 - 9.0 units) The pH defines the hydrogen ion concentration in water. A low pH indicates the water may be corrosive toward pipes. The corrosivity of the water can be determined when the pH value is considered with the alkalinity value. A pH above 6.5 units indicates the water is not corrosive. A pH between 6.0 and 6.5 units and an alkalinity below 50 mg/L indicates the water may be corrosive. A pH below 6.0 units and an alkalinity below 50 ug/L indicates the water is corrosive.

TOTAL COLIFORM TEST This test is performed to detect organisms of the coliform bacteria group found mostly in the intestinal tract of man and animals. The presence of coliform organisms indicates the possibility that disease producing organisms may also be present.

Map 3-6-26

TOWN OF BURLINGTON Certificate of Occupancy

CO. #425only

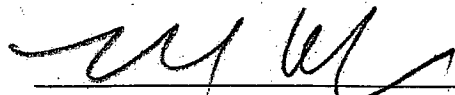
Burlington, Conn., November 26, 2001

Permission is hereby given to Brycorp Inc.

to occupy building on Dev Lot #4 G.W. Turnpike for Residence

Mailing Address: 425 G.W. Turnpike Burlington, Ct. 06013

said building having been built according to the Building Ordinances and as specified in
Application and Permit No. 6908



Building Inspector

Map 3-6/26

42n SWTPke

TOWN OF BURLINGTON

Certificate of Occupancy

Burlington, Conn., January 25, 2002

Permission is hereby given to Brycorp Inc.

to occupy building on Dev Lot #4 G. W. Turnpike for Residential

Mailing Address: 427 George Washington Turnpike Burlington, Ct. 06013

said building having been built according to the Building Ordinances and as specified in
Application and Permit No. 6908



Building Inspector

3-6/26
House # 425
2427

Town of Burlington

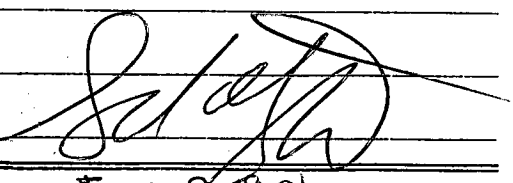
APPLICATION FOR BUILDING PERMIT

Name of Applicant BRYCORP INC
 Present Address 91 Pine Hill Phone No. 675-7592
 Purpose of Permit Construct 2 Family Home
 Location of Work Lot 4 Co. W. P. K
 Cost of Construction (include your own labor time in estimate) \$ 200,000
 (specify exact location of structure)

Answer the following if permit application is for new dwelling

Dwelling Type: Cape Cod Ranch Two Story Split Level Other 2 Family
 Construction: Frame Brick Brick Veneer Masonry Other _____
 Foundation Size: 31 ft. x 72 ft. Found. Mat'l CONC. Full Basement
 Lot Size: 254 ft. wide x 24 ft. deep. No. of Families 2 No. of Rooms 12
 Garage Size: 20 ft. x 24 ft. Attached Detached Basem't. No. of Comm. Vehicles 0
 Heating: Warm Air Hot Water Electric No. Fireplaces 2 No. Chimney Flues 4
 Fuel: Gas Oil Elec. Other _____ Dom. Hot water by: Elec. Gas Oil
 Septic System: 2 1250 Gal. Tank Tank Mat'l CONC Tank Cap. 1250 Gal.
 Wiring: 110v. 220v. 440v. BX Cable Romex No. of Circuits _____
 Remarks: _____

Floodplain: N , Y , Description: _____

Applicant's Signature 

H427-Insulation } 10-31-01
 H425 Service Inspection }
 Permit #2089 Heat 9-28-01 } Do not write in this space
 Permit #2088 Heat 9-28-01 } Evo Randini
 Footing Inspection _____ Date Inspected Frame 9-19-01
 Foundation Coating & Insulation _____ Date Inspected 1-2-02 check insulation, 425 over garage
 Insulation Inspection _____ Date Inspected 10-22-01
 Plumbing Permit - Date Issued unit #2 #2048 with #1 #2047 9-28-01 Date Inspected 11-7-01
 Heating Permit - Date Issued #2085 9-17-01 #2084 9-17-01 AC Date Inspected 11-26-01
 Electrical Permit - Date Issued #3065 10-16-01 - #3066 10-16-01 Date Inspected 10-17-01 10-26-01 11-1-01 Service
 Septic Permit - Date Issued #1622 4-17-00 Date Inspected 11-20-01
 Permit Fee \$ 1460 Permit No. 6908 Valid Date 9/30/00
 Certificate of Occupancy Granted #6908 11-26-01 #6908 #4276 (w) 11-25-02 Filed 1-25-02
 Remarks: Heat Permits #2088 9-28-01 left side
#2089 9-28-01 right side
CO Insp - 1-23-02



BRISTOL-BURLINGTON HEALTH DISTRICT

240 Stafford Avenue
Bristol, Connecticut 06010-4617
Tel. (860) 584-7682 • Fax (860) 584-3814

PERMIT TO CONSTRUCT

PERMIT NO. 1622

OWNERS NAME: BRYCONP INC

ADDRESS: 91 Pine Hill Rd meets the requirements

for a subsurface disposal system OR building addition.

LOCATED AT: Lot 4 G.W. TRK TOWN: Burlington

A PERMIT TO INSTALL THE SEPTIC SYSTEM MUST BE OBTAINED BY THE INSTALLER PRIOR TO INSTALLATION.

SEPTIC: SIGNATURE OF OWNER: [Signature]

WELL: SANITARIAN: Brian M. O'Hara

of Bedrooms: 3 BA. UNIT DATE ISSUED: 4/17/2000

Permit valid for a period of one year from the date of issuance and shall terminate and expire upon a failure to start construction of the septic system within that period. Permit may be renewed for an additional one year period by the local director of health upon demonstration of reasonable cause for the failure to start construction within the one year period.

Permit to Construct

Copies: () Engineer (X) Owner (X) Building Dept.

Revised: 01/2000 (#20)

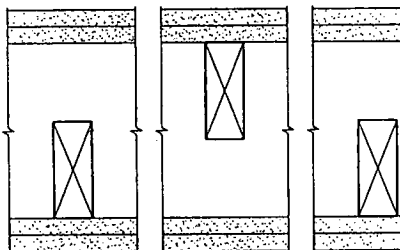
WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

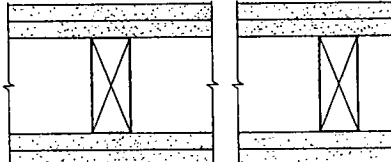
GA FILE NO. WP 3810	GENERIC	2 HOUR FIRE	55 to 59 STC SOUND
GYPSUM WALLBOARD, TWO WALL ASSEMBLY, WOOD STUDS			
<p>Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to 2 x 4 wood studs 24" o.c. with 6d coated nails, 17/8" long, 0.0915" shank, 1/4" heads, 16" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles with 8d coated nails, 23/8" long, 0.099" shank, 9/32" heads, 8" o.c. Joints offset 24" from base layer joints.</p> <p>Inner layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to studs with 6d coated nails, 17/8" long, 0.0915" shank, 1/4" heads, 8" o.c.</p> <p>Second wall duplicate of first wall and separated by 1" space. Walls independently loaded.</p> <p>STC 59 with 3 1/2" glass fiber insulation friction fit in stud spaces both sides; STC 57 without glass fiber insulation. (LOAD-BEARING)</p>			
		<p>Thickness: 11" Approx. Weight: 14 psf Fire Test: FM WP 297, 1-5-73 Sound Test: RAL TL73-215, 7-13-73; RAL TL73-224, 7-30-73</p>	

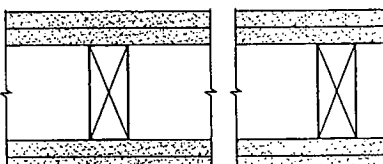
GA FILE NO. WP 3812	GENERIC	2 HOUR FIRE	55 to 59 STC SOUND
GYPSUM WALLBOARD, TWO WALL ASSEMBLY, WOOD STUDS			
<p>Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to 2 x 4 wood studs 24" o.c. with 6d coated nails, 17/8" long, 0.086" shank, 1/4" heads, 16" o.c. Face layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to studs over base layer and to top and bottom plates with 8d coated nails, 23/8" long, 0.099" shank, 9/32" heads, 8" o.c. Joints offset 24" from base layer joints.</p> <p>Inner layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel with 6d coated nails, 17/8" long, 0.0915" shank, 1/4" heads, 8" o.c.</p> <p>Second wall duplicate of first wall and separated by 1" space. Walls independently loaded. Sound tested with 3 1/2" glass fiber insulation, 0.75 pcf, friction fit in stud spaces. (LOAD-BEARING)</p>			
		<p>Thickness: 11 1/4" Approx. Weight: 15 psf Fire Test: See WP 3810 (FM WP 297, 1-5-73) Sound Test: Estimated Based on WP 3810 (RAL TL73-215, 7-13-73; RAL TL73-224, 7-30-73)</p>	

GA FILE NO. WP 3820	GENERIC	2 HOUR FIRE	55 to 59 STC SOUND
GYPSUM WALLBOARD, WOOD STUDS			
<p>Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 6d coated nails, 17/8" long, 0.085" shank, 1/4" heads, 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 23/8" long, 0.100" shank, 1/4" heads, 8" o.c.</p> <p>Joints staggered 16" each layer and side. Sound tested with 3 1/2" glass fiber insulation stapled to studs in stud spaces on one side and with nails for base layer spaced 6" o.c. Horizontal bracing required at mid height. (LOAD-BEARING)</p>			
		<p>Thickness: 10 3/4" Approx. Weight: 13 psf Fire Test: See WP 4135 (FM WP 360, 9-27-74) Sound Test: NGC 3056, 4-7-70</p>	

WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3910	GENERIC	2 HOUR FIRE	50 to 54 ST SOUND
GYPSUM WALLBOARD, WOOD STUDS			
<p>Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of 2 x 4 wood studs 16" o.c., staggered 8" o.c. on 2 x 6 wood plates, with 6d coated nails, 17/8" long, 0.085" shank, 1/4" heads, 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 23/8" long, 0.113" shank, 9/32" heads, 8" o.c.</p> <p>Vertical joints staggered 16" each layer and side. Sound tested with nails for base layer spaced 6" o.c. Horizontal bracing required at mid height. (LOAD-BEARING)</p>			
			
		<p>Thickness: 8" Approx. Weight: 13 psf Fire Test: See WP 4135 (FM WP 360, 9-27-74) Sound Test: NGC 2377, 5-19-70</p>	

GA FILE NO. WP 4135	GENERIC	2 HOUR FIRE	40 to 44 S SOUND
GYPSUM WALLBOARD, WOOD STUDS			
<p>Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of 2 x 4 wood studs 24" o.c. with 6d coated nails, 17/8" long, 0.085" shank, 1/4" heads, 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 23/8" long, 0.100" shank, 1/4" heads, 8" o.c.</p> <p>Joints staggered 24" each layer and side. Sound tested with studs 16" o.c. and with nails for base layer spaced 6" o.c. (LOAD-BEARING)</p>			
			
		<p>Thickness: 6 1/8" Approx. Weight: 12 psf Fire Test: FM WP 360, 9-27-74 Sound Test: NGC 2363, 4-1-70</p>	

GA FILE NO. WP 4136	GENERIC	2 HOUR FIRE	40 to 44 S SOUND
GYPSUM WALLBOARD, WOOD STUDS			
<p>Base layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1 1/4" Type W drywall screws 12" o.c. Face layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side with 17/8" Type W drywall screws 12" o.c. and offset 6" from screws in base layer.</p> <p>Joints staggered 16" each layer and side. (LOAD-BEARING)</p>			
			
		<p>Thickness: 6 1/8" Approx. Weight: 12 psf Fire Test: SWRI 01-5920-614, 12- Sound Test: See WP 4135 (NGC 2363, 4-1-70)</p>	

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TOWN OF BURLINGTON

BUILDING DEPARTMENT APPLICATION FOR HEATING PERMIT

203-272-0653

Name of Applicant C. Brayfield B&S Phone No. 203-272-0653

Address of Applicant 176 Sandbank Rd. Cheshire Ct 06910

State License No. SI 388399 DI 307040

Home Owner's Name BRYCORP

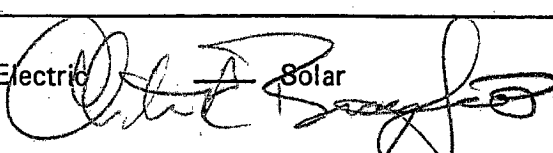
Location of Work 425 GEORGE Washington Turnpike UNIT #2

Type of Heat Hot Water Hot Air Other

Size of Boiler or Furnace 36,000 B.T.U. - Make AMERICAN STANDARD

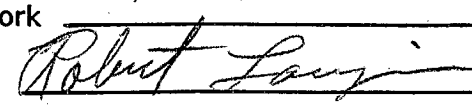
Type of Fuel ELECTRIC COOLING ONLY

Domestic Hot Water by Oil Electric Solar

Applicants Signature 

DO NOT WRITE BELOW THIS LINE

Estimated Cost of Work 4,000.00 Permit Fee Blanket Permit

Inspectors Signature  Date 9/17/01

Permit No. 2085

TOWN OF BURLINGTON

BUILDING DEPARTMENT APPLICATION FOR HEATING PERMIT

Name of Applicant C. Brayfield B.S. Phone No. 203-272-0653
Address of Applicant 176 Sandbank Rd. Cheshire Ct. 06410
State License No. SI 388399 DR 307040
Home Owner's Name BRYCORP
Location of Work 425 Geo. Washington Turnpike unit #1
Type of Heat Hot Water Hot Air A/C Other
Size of Boiler or Furnace 36,000 B.T.U. - Make AMERICAN STANDARD
Type of Fuel ELECTRIC COOLING ONLY
Domestic Hot Water by Oil Electric Solar
Applicants Signature Charles Brayfield

DO NOT WRITE BELOW THIS LINE

Estimated Cost of Work 4000.00 Permit Fee Blanket Permit
Inspectors Signature Robert Laurin Date 9/17/01
Permit No. 2084

TOWN OF BURLINGTON

BUILDING DEPARTMENT

APPLICATION FOR ELECTRICAL PERMIT

Name of Applicant Griffin Electric Phone No. (860) 747-1150

Address of Applicant 251 Woodford Ave Plainville

State License # and Category 180433 EI

Owner's Name ~~Mark O'Sullivan~~ Brycorp

Location of Work 425-~~425~~ George Washington Turnpike

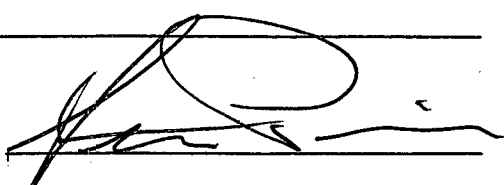
Number of Volts 120 [] 240 [] 460 []

Number of Circuits 40 Service OH [] UG [] Amp. 200

Hot Water by Electric Yes [] No []

Heat by Electric Yes [] No []

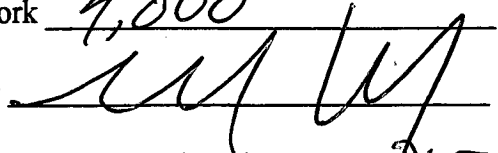
REMARKS: Left Rough ~~Both~~ Side And Service

Applicant's Signature 

Do Not Write Below This Line

Estimated Cost of Work 4,000

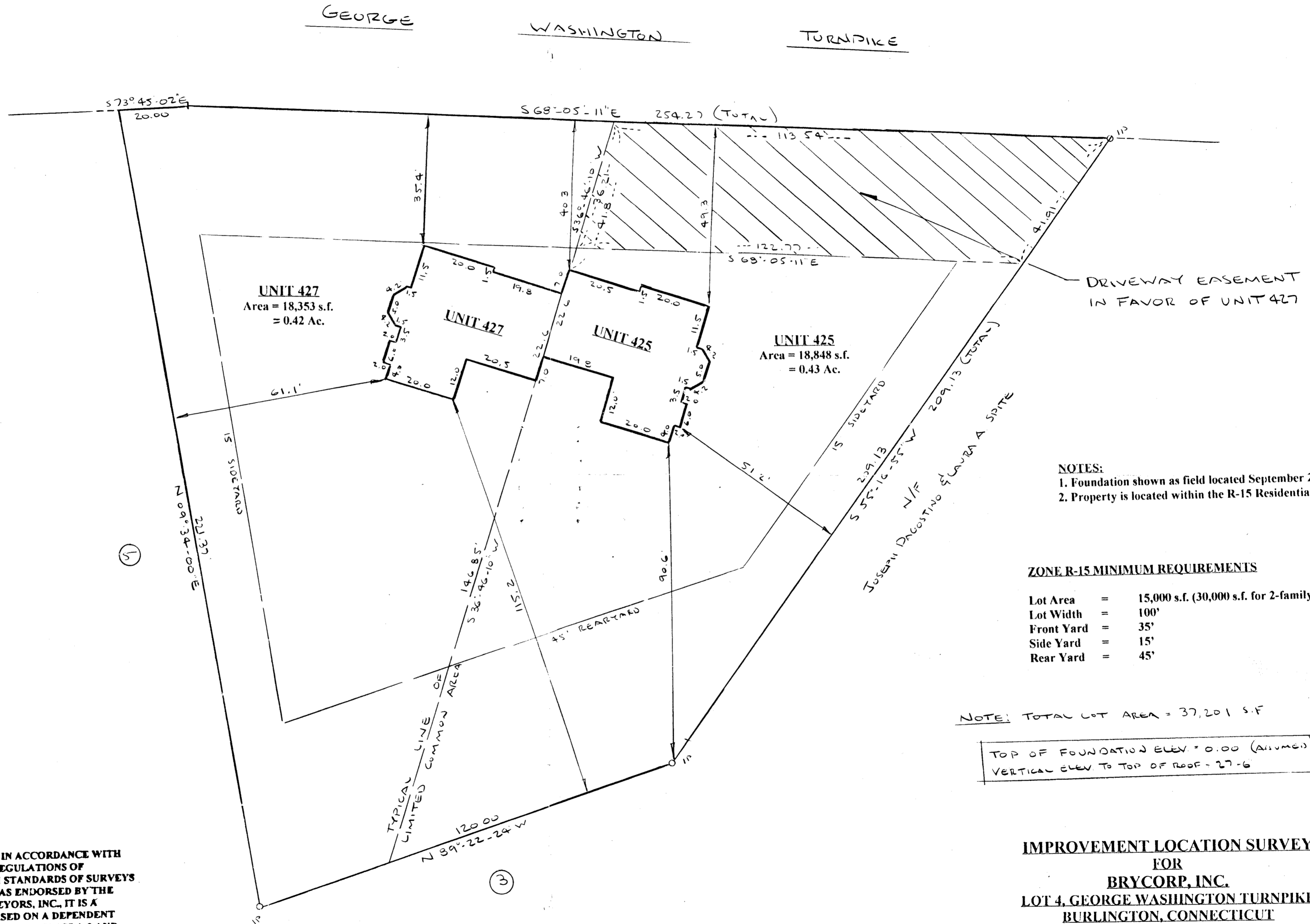
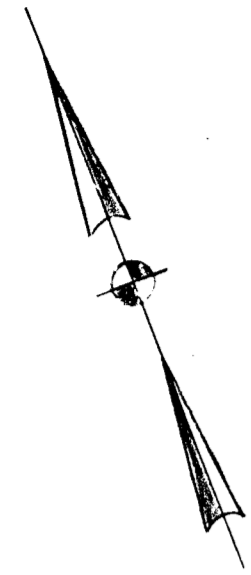
Permit Fee — 0 —

Inspector's Signature 

Date 10/16/01

Permit No. 3265

MAP REFERENCE
 Plan of Subdivision, Estate of Mary A. Wiese, George Washington Turnpike and Stone Road, Burlington, Connecticut, Scale 1"=40', Date: June 1979, by Hodge Surveying Associates, P.C..



NOTES:
 1. Foundation shown as field located September 26, 2001
 2. Property is located within the R-15 Residential Zone.

ZONE R-15 MINIMUM REQUIREMENTS

Lot Area	=	15,000 s.f. (30,000 s.f. for 2-family dwellings)
Lot Width	=	100'
Front Yard	=	35'
Side Yard	=	15'
Rear Yard	=	45'

NOTE: TOTAL LOT AREA = 37,201 s.f.
 TOP OF FOUNDATION ELEV = 0.00 (ASSUMED)
 VERTICAL ELEV TO TOP OF ROOF = 27.6

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS OF SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A LIMITED PROPERTY / BOUNDARY SURVEY BASED ON A DEPENDENT SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND INTENDED TO BE USED FOR AN IMPROVEMENT LOCATION SURVEY.

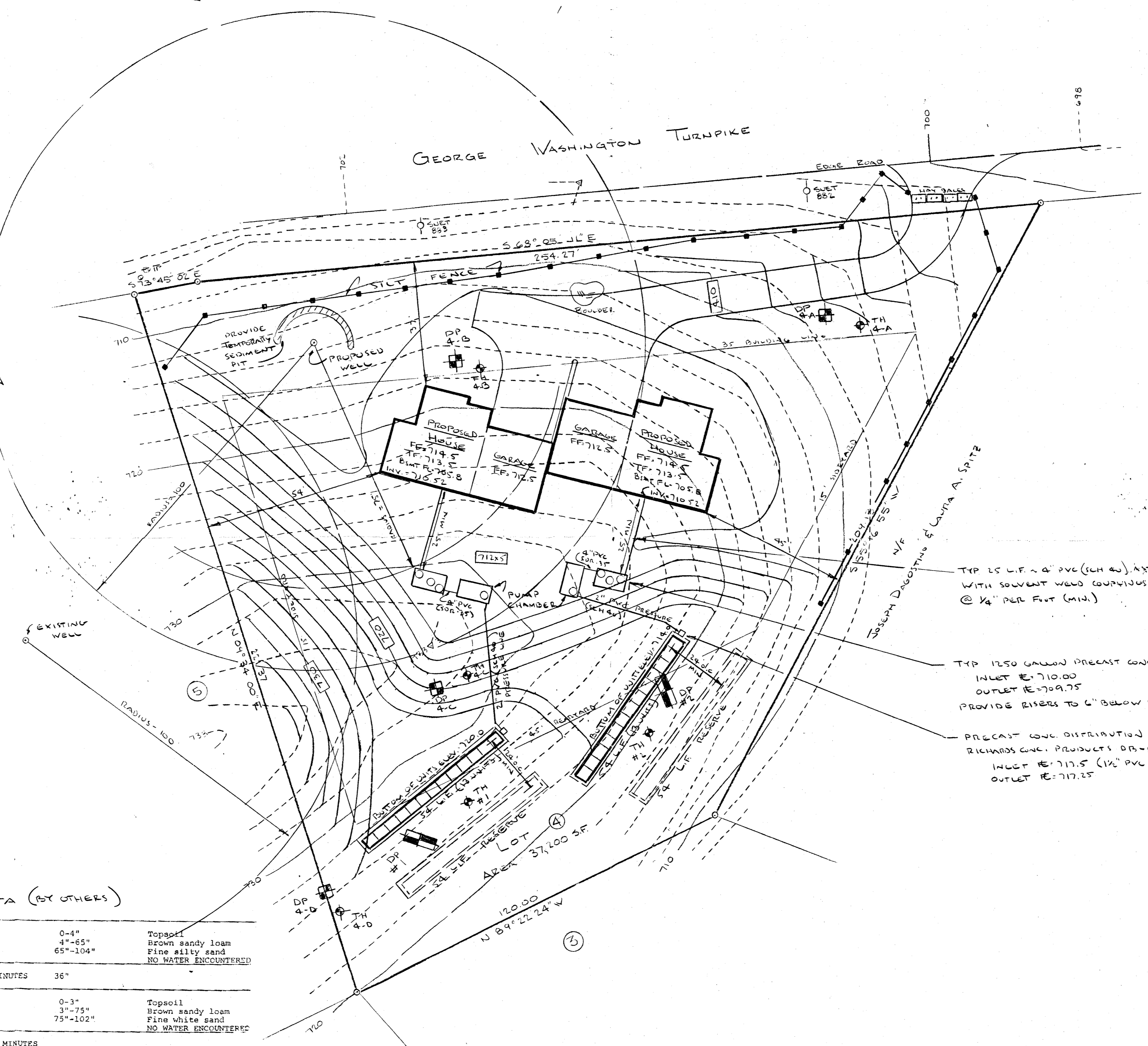
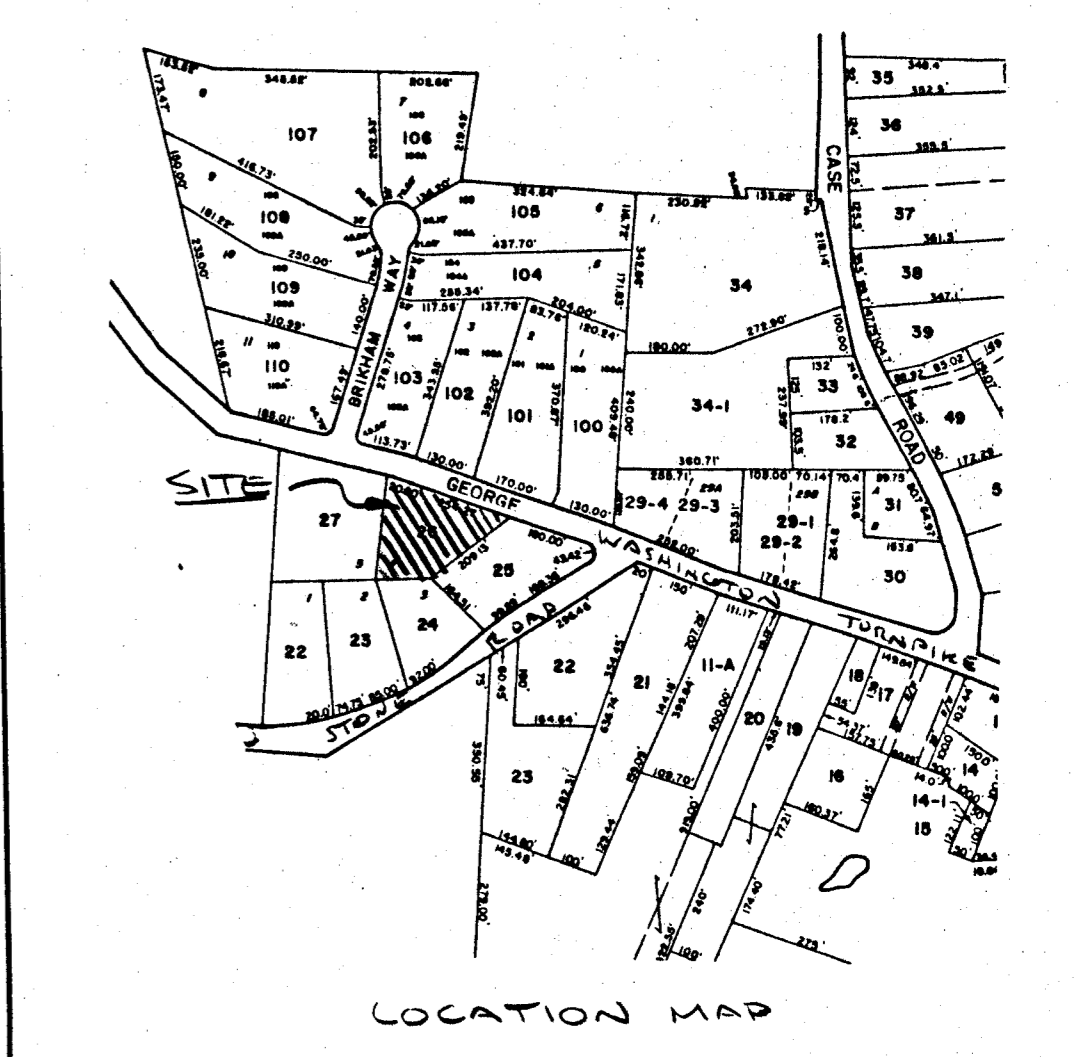
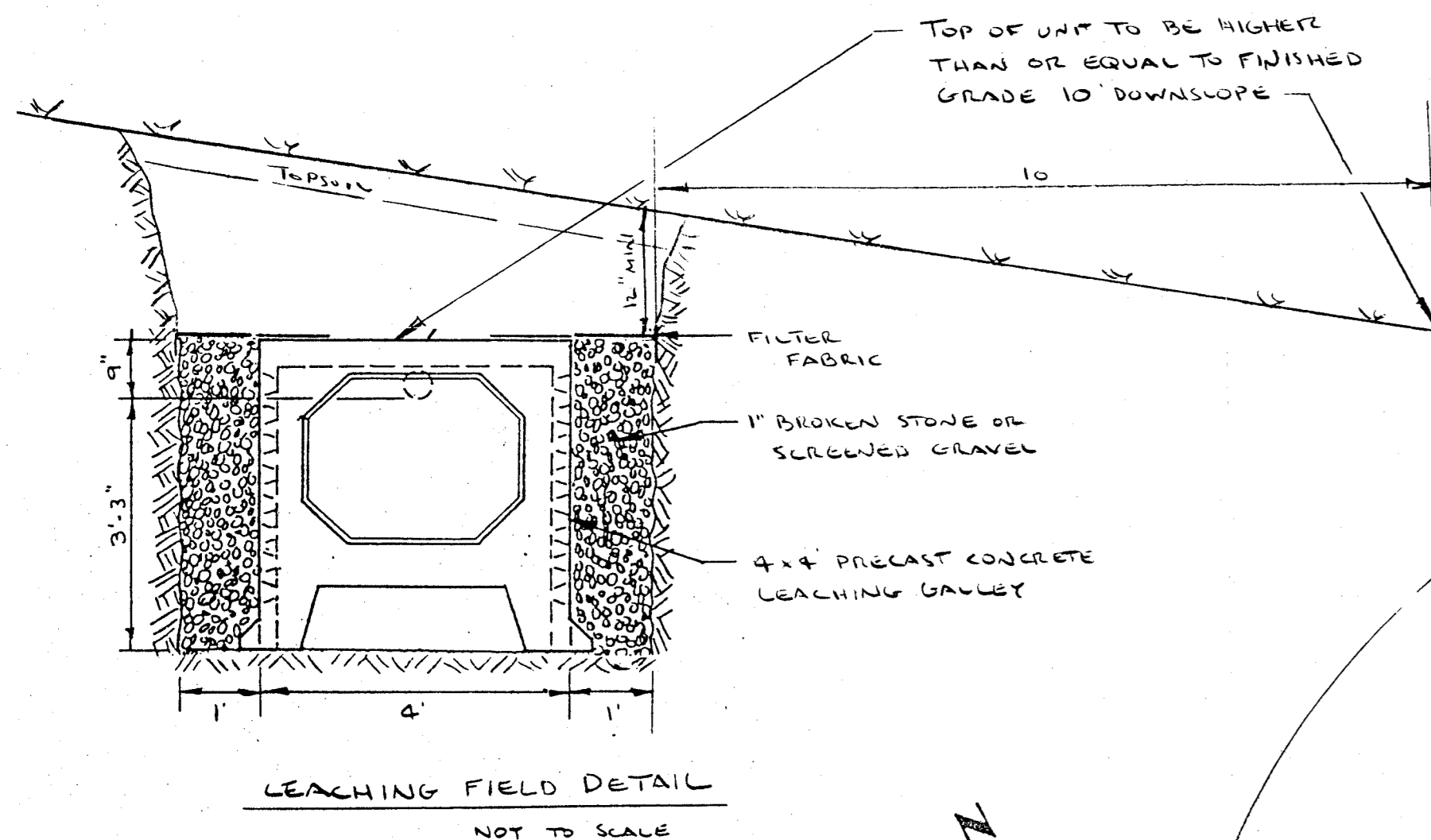
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

Jon R. Streeter
 JON R. STREETER, P.E. & L.S.



IMPROVEMENT LOCATION SURVEY
 FOR
BRYCORP, INC.
LOT 4, GEORGE WASHINGTON TURNPIKE
BURLINGTON, CONNECTICUT
 SCALE: 1" = 20'
 DATE: October 9, 2001

STREETER ENGINEERING ASSOCIATES
 258 SPIELMAN HIGHWAY
 BURLINGTON, CONNECTICUT



SOIL TEST DATA (by Streeter Engineering Associates)
 DP #1 3/9/00
 0-6 Topsoil
 6-24 Orange-brown sandy subsoil
 24-44 Yellow-brown sandy loam
 44-60 Fine-med. gravel
 60-180 Tan, fine uniform sand, becomes firm with depth uniform silt at bottom - roots to 48", few to 96"
 DP #2 3/9/00
 0-6 Topsoil
 6-30 Orange-brown sandy subsoil
 30-66 Tan uniform fine sand
 66-80 Tan uniform fine sand and silt
 80-180 Firm uniform tan silt - roots to 60", few to 96"

PERCOLATION TEST
 TH #1 4/2/00
 - presoak with 12" water @ 9:30
 - depth = 42"

TIME	READING	PERCOLATION RATE
10:01	30-1/4	
10:02	32	
10:03	33-1/2	
10:04	34-1/2	1.0 min./in.
10:05	35-1/4	1.3 "
10:06	35-3/4	2.0 "
10:08	36-3/4	2.0 "
10:10	37-3/4	2.0 "
10:12	38-1/2	2.6 "

Soil Test Data (BY OTHERS)

D.P. 4-A	0-4" 4"-65" 65"-104"	Topsoil Brown sandy loam Fine silty sand NO WATER ENCOUNTERED
T.H. 4-A	1" in 4 MINUTES	36"
D.P. 4-B	0-3" 3"-75" 75"-102"	Topsoil Brown sandy loam Fine white sand NO WATER ENCOUNTERED
T.H. 4-B	1" in 3.2 MINUTES	
D.P. 4-C	0-4" 4"-88" 88"-110"	Topsoil Brown sandy loam Fine white sand NO WATER ENCOUNTERED
T.H. 4-C	1" in 2 MINUTES	40"
D.P. 4-D	0-4" 4"-70" 70"-105"	Topsoil Brown sandy loam Fine sand, some silt NO WATER ENCOUNTERED
T.H. 4-D	1" in 3.6 MINUTES	36"

TYP 15 L.F. 2" PVC (SCH 40), ASTM D1785 WITH SOLVENT WELD JOINTS (OR EQUAL) @ 1/4" PER FOOT (MIN.)

TYP 1250 GALLON PRECAST CONC. SEPTIC TANK INLET E: 710.00 OUTLET E: 709.75 PROVIDE RISERS TO 6" BELOW FINISHED GRADE

PRECAST CONC. DISTRIBUTION BOX RICHMOND CONC. PRODUCTS DB-6 (OR EQUAL) INLET E: 717.5 (1/2" PVC WITH 45° ELONG ANGLE DOWN) OUTLET E: 717.25

- GENERAL NOTES**
- Property is located within the R-15 Residential Zone.
 - Property lines and misc. information from "Plan of Subdivision, Estate of Mary A. Wiese, George Washington Turnpike and Stone Road, Burlington, Connecticut, Scale 1"=40'," by Hodge Surveying Associates, P.C.
 - Contours and misc. information from field topographic survey by Streeter Engineering Associates, April 1999.
 - There are no wetlands or watercourses within 650' of the proposed activities.
 - CALL BEFORE YOU DIG 1-800-922-4455.

SEPTIC SYSTEM DESIGN FOR EACH UNIT
 Septic system design is for a 3-bedroom dwelling based on a 1-10.0 min./in. percolation rate requiring 495 s.f. of effective leaching area. Proposed system consists of 54 l.f. of 48" high precast concrete leaching chambers providing 496.8 s.f. of effective leaching area. 100% reserve area is required and provided.
 NOTE: Depth to restrictive layer is greater than 60", therefore the Minimum Leaching System Spread does not apply.
 NOTE: Due to the existing topographic conditions, it is recommended that the well be drilled after the proposed site grading is complete

PLOT PLAN & SEPTIC SYSTEM DESIGN FOR GERRY BRYANT LOT 4, GEORGE WASHINGTON TURNPIKE BURLINGTON, CONNECTICUT
 SCALE: 1" = 20'
 DATE: March 31, 2000

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON
 Jon R. Streeter, P.E. & L.S. #7966

LAWRENCE K. REGAN, P.E.

RECEIVED
 APR 6 - 2000
 BRISTOL-BURLINGTON HEALTH DISTRICT

DATE 4/17/2000
 APPROVED
 BRISTOL-BURLINGTON HEALTH DISTRICT
 STREETER ENGINEERING ASSOCIATES
 258 SPIELMAN HIGHWAY
 BURLINGTON, CONNECTICUT

Installev

BRYCORP INC LOT 4 GWT