

GENERAL NOTES

- SEE SHEET 1 & SHEET 2 FOR SURVEY NOTES.
- INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES IS BASED UPON AVAILABLE INFORMATION AND FIELD SURVEY. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. CALL "CALL BEFORE YOU DIG" (1-800-322-4455). ALL UTILITY LOCATIONS ARE DO NOT MATCH THE RECORD DRAWINGS. THE ENGINEER HAS BEEN ADVISED BY THE UTILITY COMPANIES THAT THE RECORD DRAWINGS ARE NOT CURRENTLY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- BOUCHER & HEUREUX, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
- ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE AND CABLE TELEVISION ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE EXISTING AND PROPOSED EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL AND BE SEEDED WITH GRASS OR SODDED, AS SHOWN ON THE PLANS.
- ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE INDICATED.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
- ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF TORRINGTON REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION CONSTRUCTION FORM SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION. FORM 8144. 1995 AND ADDENDUMS.
- ALL SANITARY SEWER PIPE SHALL BE 18" DIA. 1500' UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL BE 18" DIA. 1500' UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL BE 18" DIA. 1500' UNLESS OTHERWISE INDICATED.
- ALL GUTTERS, ROOF DRAINS, FOUNDATION DRAINS, AND SEPTIC CURTAIN SHALL BE TIED INTO THE PROPOSED STORM DRAINAGE SYSTEM WHEN POSSIBLE.
- ANY MAINTENANCE OR REFUELING OF EQUIPMENT AND VEHICLES SHALL BE PERFORMED AT LEAST 50' FROM WETLANDS OR WATERCOURSES. OIL, GASOLINE AND CHEMICALS NEEDED AT THE SITE SHOULD BE STORED IN A SECONDARY CONTAINER AT LEAST 50' FROM WETLANDS OR WATERCOURSES TO PREVENT CONTAMINATION FROM POSSIBLE LEAKS.
- THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, STATE, FEDERAL, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS USED DURING CONSTRUCTION SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
- THE PROPOSED HOUSES ON LOTS #1-11 ARE TO HAVE PRIVATE SEPTIC SYSTEMS & INDIVIDUAL WELLS.
- COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.

CONSTRUCTION SEQUENCE

- PRIOR TO COMMENCEMENT OF WORK A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH TOWN STAFF AND REPRESENTATIVES OF THE CONTRACTOR AND OWNER. AT THIS MEETING, ONE PERSON SHALL BE PLACED IN CHARGE OF SEDIMENT AND EROSION CONTROL FOR THE ENTIRE SITE.
- CONTRACTOR TO BE RETAINED TO STAKE OUT LIMIT OF DISTURBANCE AND LOCATIONS OF EROSION CONTROL MEASURES. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT, TOWN ENGINEER, AND THE ZONING ENFORCEMENT OFFICER PRIOR TO REMOVAL OF ANY VEGETATION IN ORDER TO PREVENT DAMAGE TO EXISTING SIGNIFICANT LOCAL VEGETATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND INSTALL STABILIZED CONSTRUCTION ENTRANCES.
- CONTRACTOR TO STABILIZE THE SEDIMENTATION BASINS & TEMPORARY CONSTRUCTION ENTRANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL. PLACE SEDIMENT ALIEN FENCE AND TABLES AROUND STOCKPILES.
- CONTRACTOR TO INSTALL DIVERSION BERM AND SEDIMENT BASIN PER THE SEDIMENT AND EROSION CONTROL PLAN.
- INITIATE MASS EARTHWORK OPERATIONS AFTER ALL BASINS, BERMS, SWALES, SILT FENCE AND PRIOR TO BLASTING OPERATIONS. ANY BLASTING OPERATIONS REQUIRED ARE TO BE PERFORMED IN ACCORDANCE WITH BLASTING SPECIFICATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- COMMENCE PUBLIC ROAD CONSTRUCTION.
- SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
- INSTALL RETAINING WALLS, UTILITIES AND CURBS.
- CLEAN TEMPORARY SEDIMENT BASINS WHEN THERE IS 12" OF SEDIMENT IN THE SEDIMENT FOREBAY.
- THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MONITORED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE FOR A PERIOD OF THREE MONTHS AFTER COMPLETION WHEN RAINFALLS OF ONE INCH OR MORE OCCUR.
- ALL REMAINING WASTE MATERIALS SHALL BE DISCHARGED IN A MANNER WHICH MINIMIZES THE DISCOLORATION OF THE RECEIVING WATERS.
- THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER AND WETLANDS.
- A COPY OF ALL PLANS AND REVISIONS, THE SEDIMENT AND EROSION CONTROL PLAN, A COPY OF THE STORMWATER GENERAL PERMIT, AND A COPY OF THE CONN. DEP. PERMIT APPLICATION AND SUPPORTING INFORMATION SHALL BE MAINTAINED ON-SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.
- WHEN CONSTRUCTION IS COMPLETED OR THE DISTURBED SITE IS STABILIZED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF EROSION CONTROL MEASURES.

TOTAL AREA OF TREE CLEARING= 701184.45 SF
= 16.1 AC



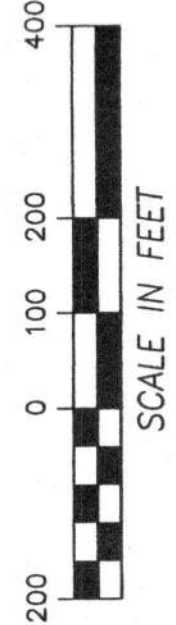
NOTE:
OPEN SPA CE, ACCESS & DRAINAGE EASEMENT TO BE DEEDED TO ALL 11 LOTS PRIOR TO ACCEPTANCE OF THE ROAD. THE OWNER OF EACH LOT WILL OWN ONE-ELEVENTH UNDIVIDED FEE SIMPLE INTEREST IN THE OPEN SPA CE, ACCESS & DRAINAGE EASEMENT AS RECORDED IN DECLARATION ARE COVENANTS RECORDED IN VOL. 0915 PAGE 1078.

- Gas Line Notes:
- Prior to any planned excavation or heavy equipment activity on or near the gas line easement, the developer must contact Mr. Al Garcia, Tennessee Gas Pipeline Company (Tennessee) at (413)786-1933, he will require information relative to scheduling inspection services associated with this project. A Tennessee representative must standby when work is occurring on or near the gas line easement.
 - The developer must notify Dig Safe (888)344-7233 prior to any excavation or grading activity within the gas line easement area.
 - The Tennessee Gas Pipeline Company requires that all utilities be located on this plan. All utility lines require a minimum of 18" clearance between existing gas pipelines and utility lines without warning between lines. Contact Mr. Al Garcia (413)786-1933 prior to any excavation or grading activity within the gas line easement area.
 - A profile of the pipeline is required showing all gas pipelines, water lines, and utility lines within the gas line easement area. The gas line easement area is defined as the area within 150' of the gas line easement. The gas line easement area is defined as the area within 150' of the gas line easement. The gas line easement area is defined as the area within 150' of the gas line easement.
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- Gas Line Notes (cont):
- No structures above ground and below ground, wellings, trees, septic systems, leech fields, swimming pools, water impoundment, catch basins, sewer manholes or other obstructions may be erected or placed upon the Company's permanent right of way and easement area. Such obstructions interfere with their ability to access, patrol, operate and maintain the pipeline facilities.
 - All areas of the easement disturbed by the owner/developer's activities must be stabilized as soon as possible. The areas shall be seeded and fertilized and mulched if necessary. Thereafter, and until re-vegetation has been established, any areas that show signs of erosion shall be immediately stabilized.
 - Any associated cost Tennessee may have regarding the project outside our normal course of business will be 100% reimbursable by the owner/developer. The normal services typically cover items such as line location, site inspection less than 2 hours, and project review. Contact Tennessee Gas Pipeline Company (Tennessee) at (413)786-1933 for normal services.
 - Compliance with these plans does not suggest or imply that the owner/developer, contractors, consultants or any associated party is relieved of any responsibility or liability in the event Tennessee's pipelines or facilities are damaged in any way before, during or after the construction of the project. Tennessee will hold all parties responsible for the costs incurred for any breach of the pipeline of facility integrity.

"GREYSTONE"

TORRINGTON, CT

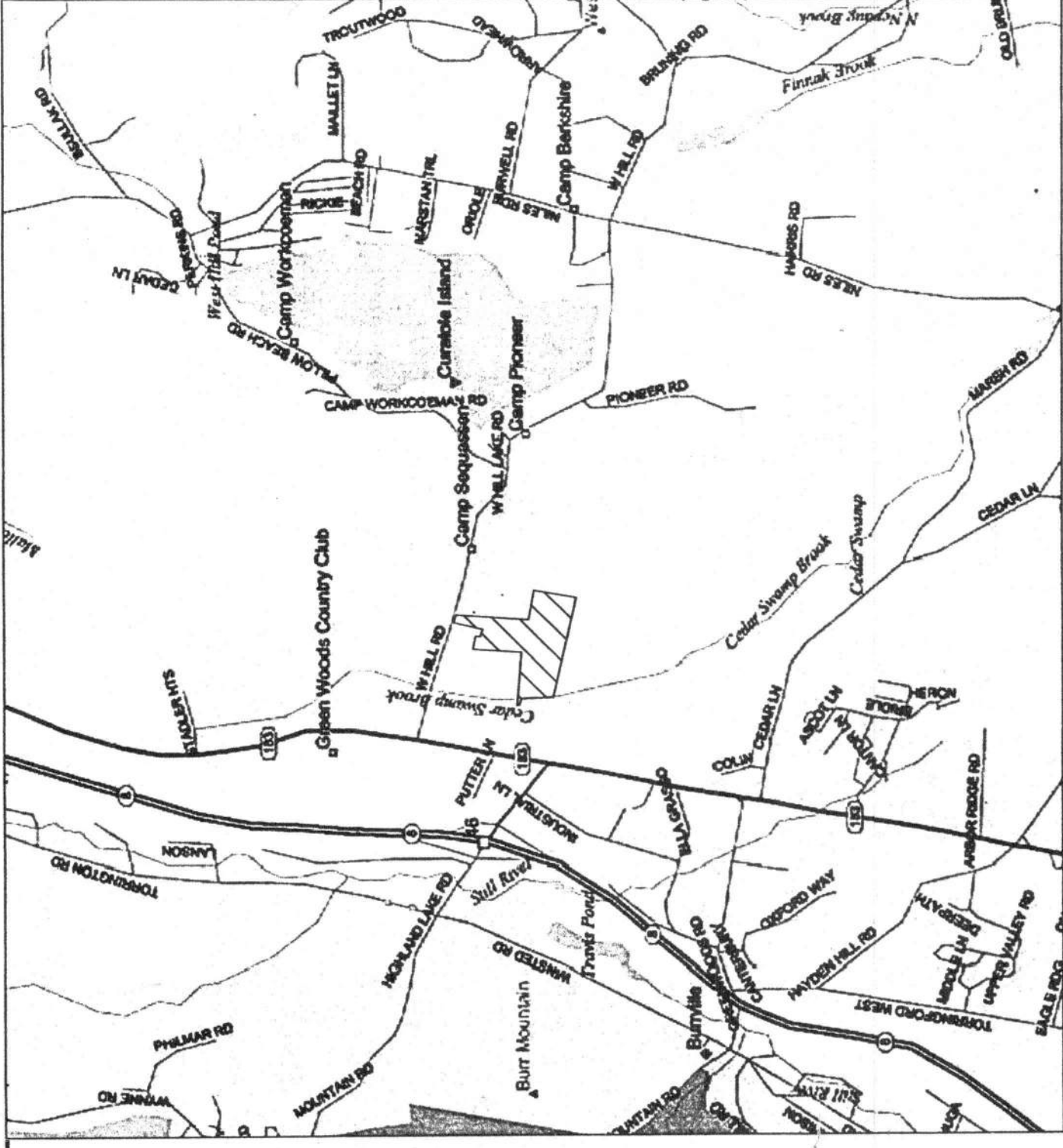


LIST OF DRAWINGS

- SHEET 1 - LOCATION MAP
- SHEET 2 - PLAN OF LAND
- SHEET 3 - PLAN AND PROFILE SHEET
- SHEET 5 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 1 & 2)
- SHEET 6 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 3 & 4)
- SHEET 7 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 5 & 6)
- SHEET 8 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 7 & 8)
- SHEET 9 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOT 9)
- SHEET 10 - SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 10 & 11)
- SHEET 11 - CONSTRUCTION DETAIL SHEET
- SHEET 12 - CONSTRUCTION DETAIL SHEET
- SHEET 13 - CONSTRUCTION DETAIL SHEET
- SHEET 14 - STREET TREE PLAN

PROJECT DATA

- Boundary prepared by: David Little Surveyors, Torrington, CT.
- Topography by: Golden Aerial Photography, Newtown, CT.
- Contour Interval - 2'
- Acreage: 40,797 acres
- Zoned: R-WP & R25
- Proposed Use: Single Family Dwellings
- Total Number of Units: 11
- Setbacks: Front - 30'
Side - 25'
Rear - 100'
- Minimum Lot Area: 87,000
- Minimum Lot Width: 200' @ Front B.R.L.
- Maximum Building Height: 2 stories
- Proposed Sanitary Disposal: Individual Septic Fields - Lots 1-11
- Individual Wells on Each Lot:
- Soils Types (Units indicated in blue):
PSS - PSS (PSS) Well drained, fine sandy loam.
Woodbridge - WDC - moderately well drained, fine sandy loam.
Leicester - Lq - Wetland soils
- Soil Mapping was from the National Cooperative Soil Survey Classification System and Soil Conservation Service County Soil Survey, Litchfield County, Conn.
- Wetland delineation was done by Stanfield Environment Services, Goshen, Conn.



VICINITY MAP
SCALE 1"=2,000'

APPROVED BY THE PLANNING & ZONING COMMISSION:	CHAIRMAN	EXPIRATION DATE:
DATE:	CHAIRMAN	EXPIRATION DATE:
CONDITIONAL APPROVAL:	CHAIRMAN	EXPIRATION DATE:
DATE:	CHAIRMAN	EXPIRATION DATE:

ALAN J. HEUREUX,
PROFESSIONAL ENGINEER
CT. REG. NO. 16881

THIS PLAN SHALL NOT BE ASSUMED TO BE VALID UNLESS IT CONTAINS AN ORIGINAL SIGNATURE AND PROFESSIONAL SEAL OF THE ABOVE-NAMED PERSON.

TITLE:
**SUBDIVISION
PLAN OF "GREYSTONE"**
MAP 253, BLOCK 3, LOTS 10 & 18
IN TORRINGTON, CONNECTICUT

OWNER:
GEORGE B. RUWET
1712 TORRINGTON ST
TORRINGTON, CT

APPLICANT:
WATERS DEVELOPMENT GROUP, LLC

PREPARED BY:
Boucher & Heureux, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
648 AMERICAN LEGION HIGHWAY, SUITE ONE
WESTPORT, MASSACHUSETTS 02790
tel. (508) 636-5905 - fax. (508) 636-2477

SHEET NAME:
LOCATION MAP

DRAWN BY: P.W.M.

CHECKED BY: A.J.H.

DATE: NOV 5, 2004

REVISIONS

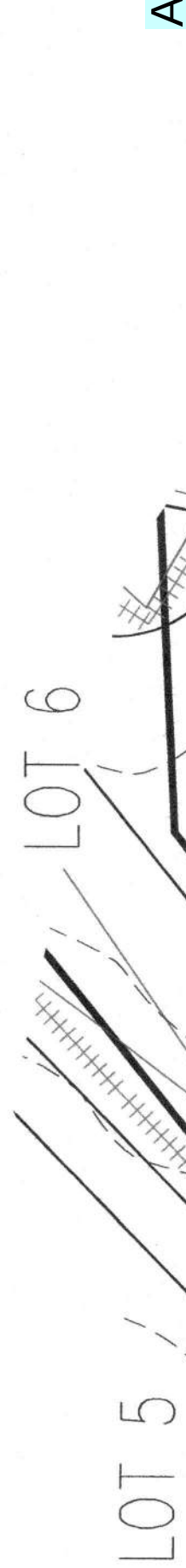
1.	3/31/05	REVIEW COMMENTS: CITY OF TORRINGTON
2.	6/15/05	REVIEW COMMENTS: CITY OF TORRINGTON
3.	6/28/05	REVIEW COMMENTS: CITY OF TORRINGTON

DWG. No. SHEET1.DWG SCALE: 1" = 200'

JOB No. 1499-01 SHEET No. 1 OF 14

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AREA OF ROADWAY TREE
CLEARING= 38,490.04 SF



PLAN VIEW OF GREYSTONE DRIVE

APPROXIMATE LOCATION OF 30' WIDE EASEMENT
IN FAVOR OF NORTHEASTERN GAS TRANSMISSION COMPANY

--- 90' --- EXISTING CONTOUR
 --- PROPOSED CONTOUR
 --- (C) --- PROPOSED SPOT ELEVATION
 --- (T) --- PROPERTY LINE
 --- (C) --- EXISTING CATCH BASIN
 --- (C) --- PROPOSED CATCH BASIN
 --- (C) --- EXISTING DRAIN MANHOLE
 --- STORMWATER DRAIN
 --- (C) --- WATERLINE
 --- (C) --- SOIL TEST HOLE
 --- (C) --- UTILITY POLE (WITH NUMBER)
 --- (X) --- LIMIT OF WETLAND
 --- W.L. #10 ---
 --- EXISTING STONEWALL
 --- CENTERLINE OF ROAD
 --- (00+1) --- CENTERLINE STATION
 --- (C) --- SILT FENCE

APPROVED BY THE PLANNING & ZONING COMMISSION:
FINAL APPROVAL:

DATE: _____ EXPIRATION DATE: _____

CONDITIONAL APPROVAL: _____

DATE: _____ EXPIRATION DATE: _____

ALAN J. HEUREUX,
PROFESSIONAL ENGINEER
CT. REG. No. 16861

THIS PLAN SHALL NOT BE ASSUMED TO BE
VALID UNLESS IT CONTAINS AN ORIGINAL
SIGNATURE AND PROFESSIONAL SEAL OF THE
ABOVE-NAMED PERSON.

TITLE:
SUBDIVISION
PLAN OF "GREYSTONE"
MAP 253, BLOCK 3, LOTS 10 & 18
N TORRINGTON, CONNECTICUT

OWNER:
GEORGE B. RUWET
1712 TORRINGFORD ST
TORRINGTON, CT

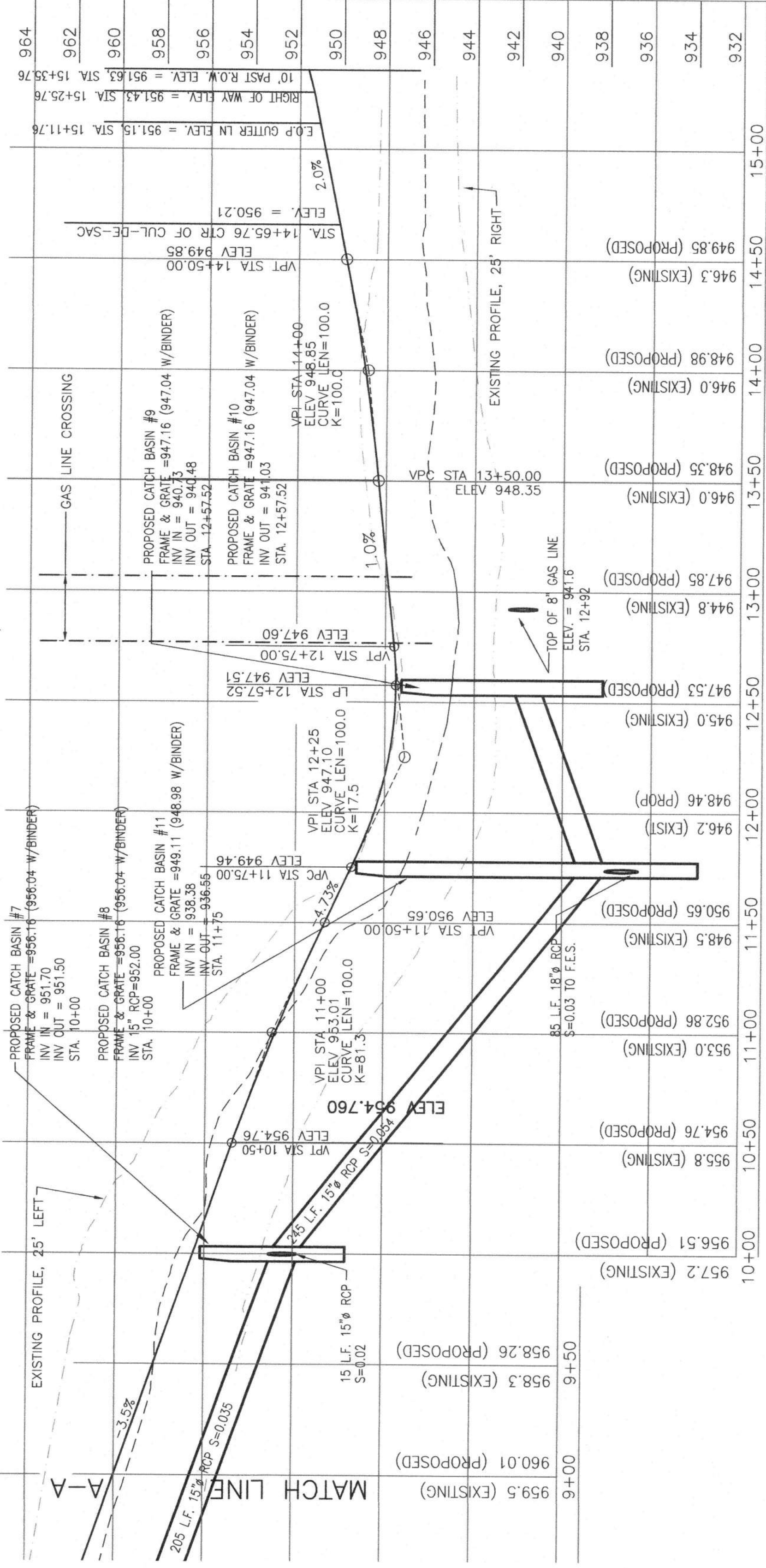
APPLICANT:
WATERS DEVELOPMENT GROUP, LLC

PREPARED BY:
Boucher & Heureux, Inc.
CIVIL ENGINEERS  LAND SURVEYORS
548 AMERICAN LEGION HIGHWAY, SUITE ONE
WESTPORT, MASSACHUSETTS 02790
tel. (508) 636-5005 *to fax (508) 636-2477*

SHEET NAME:
PLAN & PROFILE (STA. 8+00-14+65)

				DRAWN BY:	P.W.M.
				CHECKED BY:	A.J.H.
				DATE:	NOVEMBER 5, 2004
				DWG. No.	1499-01
				SCALE:	1" = 40'
				JOB NO.	SHEET No. 4 OF 14
				COPYRIGHT © 2004 BY THE UNIVERSITY OF TENNESSEE	
NO.	DATE	REVISION			
1.	3/31/05	REVIEW COMMENTS: CITY OF TORRINGTON			
2.	6/15/05	REVIEW COMMENTS: CITY OF TORRINGTON			
3.	6/28/05	REVIEW COMMENTS: CITY OF TORRINGTON			
4.	2/10/06	REVIEW COMMENTS: TENNESSEE GAS			

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	1.	3/31/05	REVIEW COMMENTS: CITY OF TORRINGTON
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	3.	6/28/05	REVIEW COMMENTS: CITY OF TORRINGTON
	4.	2/10/06	REVIEW COMMENTS: TENNESSEE GAS



PROFILE VIEW OF GREYSTONE DRIVE

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



Lg.....Leicester, Ridgebury and Whitman
very sandy fine loams.
PbB.....Poxton fine sandy loam 3 to 8
percent slopes.
PdB.....Poxton stony fine sandy loam,
3 to 8 percent slopes.
PeC.....Poxton very stony fine sandy loam
3 to 15 percent slopes.
PeD.....Poxton very stony fine sandy loam
15 to 35 percent slopes.

DEPTH
TOPSOIL/ROOT MATERIAL 0-3" inches
ORANGE BROWN SILTY LOAM 3-24" inches
GLACIAL TILL 24-93" inches
(MODERATE TO HARD)

DEPTH
TOPSOIL/ROOT MATERIAL 0-4" inches
ORANGE BROWN SILTY LOAM 4-21" inches
GLACIAL TILL 21-92" inches
(MODERATE TO HARD)

DEPTH
TOPSOIL/ROOT MATERIAL 0-3" inches
ORANGE BROWN SILTY LOAM 3-19" inches
GLACIAL TILL 19-90" inches
(MODERATE TO HARD)

DEPTH TOPSOIL/ROOT MATERIAL 0-2" inches
BROWN SILTY LOAM 2-19" inches
GLACIAL TILL 19-82" inches
(MODERATE TO HARD)

DEPTH
TOPSOIL/ROOT MATERIAL 0-4" inches
BROWN SILTY LOAM 4-20" inches
GLACIAL TILL 24-85" inches
(MODERATE TO HARD)

in at 72"
DEPTH
TOPSOIL/ROOT MATERIAL 0-3" inches
ORANGE BROWN SILTY LOAM 3-20" inches
GLACIAL TILL 20-85" inches

28 X 2.0 X 2.0 = 112 Ft. required spread

Lot 6 is approximately 4.015 acres and heavily wooded. The slope on the property where the proposed septic is located is about 6 to 15%. The system is designed for a 4 bedroom house with a perc rate between 20-30 in/hr. When digging the required observation pits it was determined that the depth to the soil resistance was approximately 19" water was observed in some of the holes. It is a fill system (typical depth of fill 2" with 2 rows of 12" sq-pore leaching chambers, 136 feet long, 6 foot wide which provides 1604.8 lb, or 34 - 8" chambers (required =1000 sq ft). With this design a certain drain needs to be provided and the house footing drain will not be connected into it.

34 X 2.0 X 2.0 = 136 Ft. required spread

TENNESSEE GAS PIPELINE CONSTRUCTION SUPERVISOR MR. AL GRAZIA STATES THAT ALONG CROSS COUNTRY PIPE LINES THE BACKFILL USED AFTER THE PIPELINE IS INSTALLED IS THE NATURAL MATERIAL THAT WAS EXCAVATED.

[illegible]

1. THE EFFECTIVE LEACHING AREA OF GALLEY ROWS SHALL BE 5.9 57.1°F
2. THE CENTER TO CENTER SPACING BETWEEN GALLEY ROWS SHALL BE 13 FEET
3. SELECT FILL MATERIAL "A" AND SELECT BACKFILL MATERIAL "B" PLACED WITHIN AND ADJACENT TO THE GALLEY ROWS SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL.
 - THE FILL SHALL HAVE A MINIMUM LEACHING AREA LARGER THAN THREE (3) INCHES.
 - UP TO 65% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SEIVE
 - THE MATERIAL THAT PASSES THE #4 SEIVE IS THEN REWEIGHED AND THE SEIVE ANALYSIS STARTED
 - THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA

- A. THE CONTRACTOR SHOULD MEET WITH THE SANTIRANON ON THE SITE TO REVIEW PROCEDURES.
- B. THE CONTRACTOR SHOULD PREPARE AND POUR GRADATION. ALL STUMPS AND LARGE BODIES SHOULD BE REMOVED.
- C. THIS TOP SHOULD BE STOPPED AND GRADATION SHOULD BE RECHECKED. NONE OF THIS SHOULD BE DONE WITHIN 48 HOURS OF A RAIN STORM IF THERE ARE WINDING PUDDLES.
- D. THE CONTRACTOR SHOULD BE NOTIFIED IN CASE HE WANTS TO MAKE AN INSPECTION OF THE PREPARED SITE BEFORE IT IS PLACED.
- E. FILL SHOULD BE PLACED ON THE EDGE OF THE SITE, 12 INCHES OF FILL WAS BEEN PLACED WITH A BUILDZOR.
- F. THIS SHOULD RUN OVER THE FILL UNTIL 12 INCHES OF FILL HAS BEEN PLACED. THE REMAINDER OF THE FILL SHOULD BE PLACED ON THE OTHER SIDE OF THE SITE.
- G. THE CONTRACTOR SHOULD BE NOTIFIED DURING RAIN STORMS AND TWO HOURS THEREAFTER. ALL FILLING AND COMPACTION SHOULD BE DISCONTINUED DURING RAIN STORMS AND TWO HOURS THEREAFTER. ALL FILLING AND COMPACTION SHOULD BE DONE BEFORE ANY OF THE LEACHING SYSTEM IS INSTALLED.
- H. THE CONTRACTOR SHOULD BE NOTIFIED DURING RAIN STORMS AND TWO HOURS THEREAFTER. ALL FILLING AND COMPACTION SHOULD BE DISCONTINUED DURING RAIN STORMS AND TWO HOURS THEREAFTER.
- I. LEACHING SYSTEM HAS STARTED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- J. THE CONTRACTOR SHOULD BE NOTIFIED DURING RAIN STORMS AND TWO HOURS THEREAFTER. ALL FILLING AND COMPACTION SHOULD BE DISCONTINUED DURING RAIN STORMS AND TWO HOURS THEREAFTER.
- K. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- L. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- M. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- N. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- O. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- P. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- Q. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- R. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- S. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- T. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- U. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- V. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- W. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- X. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- Y. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.
- Z. LEACHING SYSTEM SHOULD BE STOPPED. THE SANTIRANON SHOULD INSPECT AND ALL OVER TO MONITOR OPERATION OF THE LEACHING SYSTEM.

TITLE:
SUBDIVISION
PLAN OF "GREYSTONE"
MAP 253, BLOCK 3, LOTS 10 & 18

APPLICANT:
WATERS DEVELOPMENT GROUP LLC

PREPARED BY:
Boucher & Heureux, Inc.
CIVIL ENGINEERS  LAND SURVEYORS
2448 AMERICAN LEGION HIGHWAY, SUITE ONE
WESTPORT, MASSACHUSETTS 02790
tel. (508) 636-5905 - fax. (508) 636-2477

DRAWN BY:	P.W.M.
CHECKED BY:	A.J.H.
DATE:	NOVEMBER 5, 2004
WG. No. 1499-01	SCALE: 1" = 40'
JOB No.	SHEET No. 7 OF 14
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AREA OF LOT 9 TREE CLEARING= 54,905.16 SF

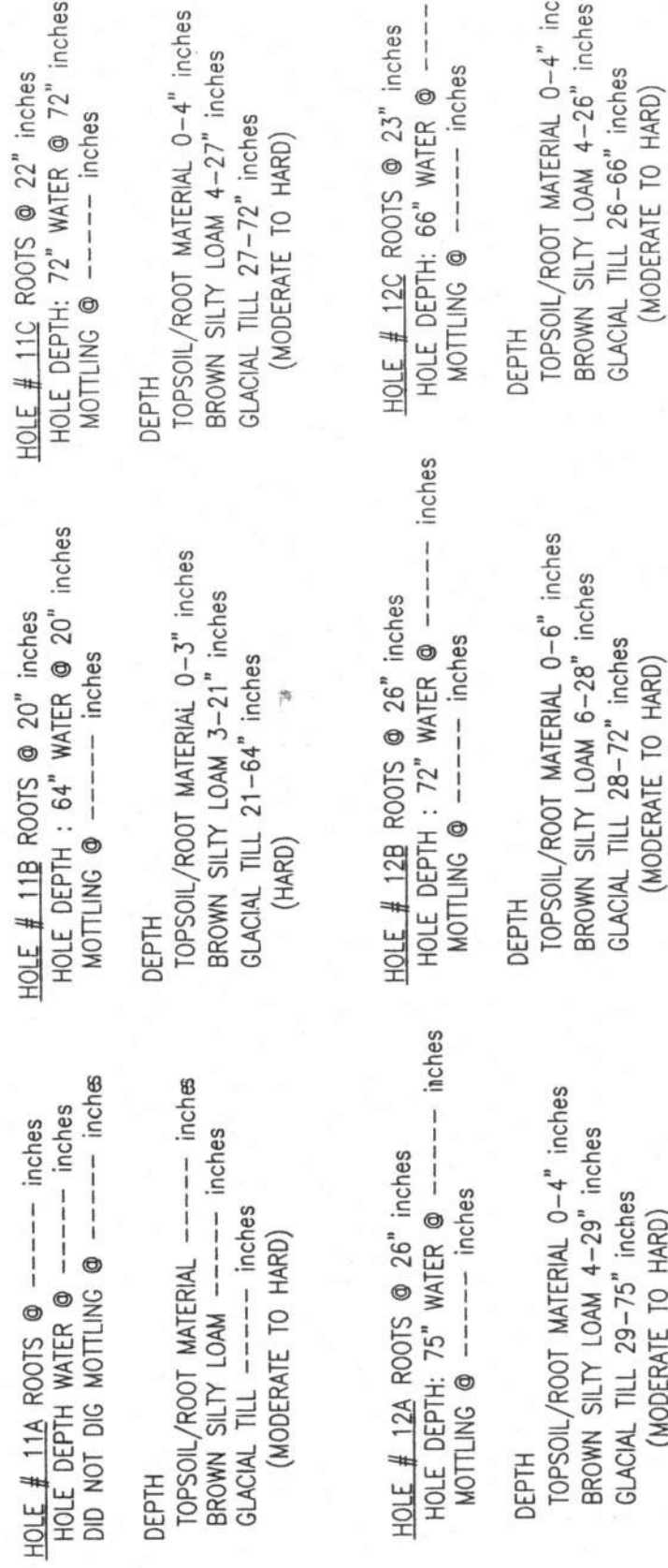
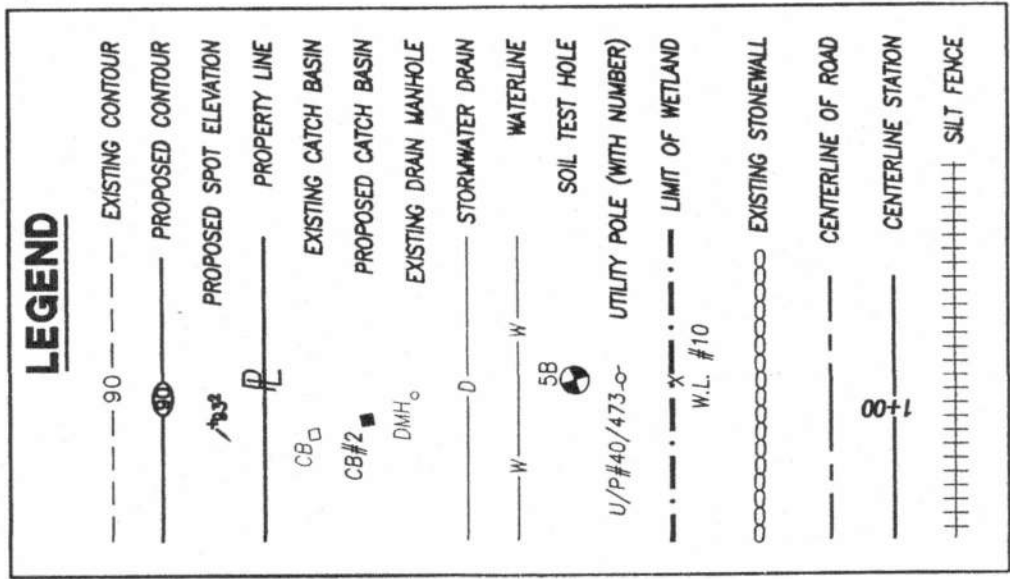
Lot 9 is approximately 4.654 acres and heavily wooded. The slope on the property where the proposed septic is located is around 14.3%. The system is designed for a 4 bedroom house with a per acre between 20-30 min. in. When digging the required observation pits it was determined that the depth to the soil restrictive area was approximately 20". Water was observed in some of the holes. It is a fill system. (typical depth of fill 2") with 2 rows of 12" lo-pro leaching chambers, 112 feet long, 6 foot wide which provides 1321.6 sq. ft. or 28 - 8' chambers (required =1000 sq. ft.). With this design a curtain drain needs to be provided and the house footing drain will be connected into it.

MINIMUM LEACHING SYSTEM SPREAD

MLSS = HF X FF X PF
HF = 28' (20" to restrictive area @ 14.3%)
FF = 2.0 (4 Bedroom)
PF = 2.0 (20-30 min. perc)

28 X 2.0 X 2.0 = 112 Ft. required spread

The proposed well's radius of 75' is located in the houses front yard and does not encroach on any leaching system (existing or proposed).



APPROXIMATE LOCATION OF 30' WDE EASEMENT
IN FAVOR OF NORTHEASTERN GAS TRANSMISSION COMPANY
(SEE NOTES ON SHEET 1)

LOT 8
(SEE SHEET 8 OF 14)

LOT 9
6.455 AC.
PeD

NOTE: OPENSOURCE ACCESS & DRAINAGE EASEMENT TO BE DEEDED TO ALL 11 LOTS IN ROW. THE EASEMENT SHALL BE THE ENTIRETY OF EACH LOT'S FRONT YARD. THE EASEMENT SHALL BE THE ENTIRETY OF EACH LOT'S FRONT YARD. THE EASEMENT SHALL BE THE ENTIRETY OF EACH LOT'S FRONT YARD.

EDWIN GREENING, JR., TRUSTEE
N/F

LOT 10
(SEE SHEET 10 OF 14)

- LIST OF AVAILABLE PLANTS FOR STORMWATER DETENTION POND**
- 1) ACER CAMPESTRIS - HEDGE MAPLE: 25'-35'HT, SPREAD EQUAL TO HEIGHT, FAIRLY SLOW GROWING, YELLOW FALL COLOR.
 - 2) ACER RUBRUM - RED MAPLE: 40'-60'HT, SPREAD EQUAL TO HEIGHT, ORANGE TO RED FALL COLOR.
 - 3) CERCIDIPHYLLUM JAPONICUM - NATSUGAR: 40'-60'HT, 20'-30' SPREAD, APRICOT-ORANGE FALL COLOR.
 - 4) CLADARASTIS LUTEA - AMERICAN YELLOWWOOD: 30'-50'HT, EQUAL SPREAD, WHITE FRAGRANT FLOWERS IN MAY, YELLOW FALL COLOR.
 - 5) KOEHLERIA PANICULATA - PANICLED GOLDENRAIN: 30'-40'HT, EQUAL SPREAD, 12" LONG YELLOW FLOWERS IN JULY, YELLOW FALL COLOR.
 - 6) QUERCUS IMBRICARIA - SHINGLE OAK: 50'-60'HT EQUAL OR GREATER SPREAD, RUSSSET-RED FALL COLOR, (FOR LARGER LOTS)
 - 7) SORBUS JAPONICA - JAPANESE PARQUETREE: 50'-70'HT EQUAL SPREAD, WHITE FRAGRANT FLOWERS 6'-12" LONG IN JULY INTO AUGUST, YELLOW-ORANGE FALL COLOR.
 - 8) SORBUS ANULATA - KOREAN MOUNTAINASH: 40'-50' HT BY 20'-30' SPREAD, WHITE FLOWERS IN MAY ORANGE TO RED PERSISTING FRUIT SEP-NOV, YELLOW-ORANGE FALL COLOR.
 - 9) TILIA CORDATA 'GREENSPIRE' - GREENSPIRE LITTLELEAF: 60'-70'HT, 1/2 SPREAD, YELLOW FRAGRANT FLOWERS IN JUNE-JULY, YELLOW FALL COLOR.

NOTES:
1. LEACHING GALLERY ROWS SHALL FOLLOW GROUND CONTOURS. LEACHING GALLERIES SHALL BE HOLLOW STRUCTURES, OPEN AT THE BOTTOM WITH PERFORATED OR OPEN JOINT SIDES AND TIGHT COVERS. THE SIDE WALLS SHALL HAVE MINIMUM DEPTH OF TWELVE INCHES AND A MINIMUM DEPTH OF FOUR FEET, INCLUDING UP TO SIX INCHES OF ONE-INCH STIFF ONE-INCH SCHEDULE CHANNEL BRICKS, STONE OR ONE-INCH SCHEDULE CHANNEL. THE WIDTH OF THE TRENCH EXCAVATION SHALL NOT BE LESS THAN SIX FEET AND THE WIDTH OF THE HOLLOW STRUCTURES SHALL BE NOT LESS THAN FOUR FEET. THE BOTTOM OF EACH LEACHING GALLERY SHALL BE LEVEL. LEACHING GALLERIES WITH A DEPTH OF OVER FOUR FEET SHALL BE INSTALLED WITH A MINIMUM OF 12" OF FILL OVER THE GALLERY. LEACHING GALLERIES WITH A DEPTH OF GREATER THAN THIRTY INCHES IN DEPTH SHALL ONLY BE USED WHEN AT LEAST 50 PER CENT OF THE EFFECTIVE DEPTH OF THE STRUCTURE CAN BE INSTALLED BELOW ORIGINAL GRADE LEVELS, UNLESS MASS CRITERIA OR IN SITU HYDRAULIC TESTING CONFIRMS THE ADEQUACY OF THE NATURAL SOILS TO ABSORB AND DISPERSE THE EXPECTED VOLUME OF SEWAGE.

2. THE EFFECTIVE LEACHING AREA OF GALLEY ROWS SHALL BE 5.9 57/LF

3. THE CENTER TO CENTER SPACING BETWEEN GALLEY ROWS SHALL BE 15 FEET

4. "SELECT FILL MATERIAL" AND "SELECT BACKFILL MATERIAL" PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC, WATER AND FOREIGN SUBSTANCES. ENGINEER POSITIVE INSPECTION OF THE FILL MATERIAL SHALL BE REQUIRED. THE FILL MATERIAL SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER POSITIVE INSPECTION OF THE FILL MATERIAL SHALL BE REQUIRED. THE FILL MATERIAL SHALL BE INSPECTED BY A PROFESSIONAL ENGINEER POSITIVE INSPECTION OF THE FILL MATERIAL SHALL BE REQUIRED.

PERCENT PASSING

SEIVE SIZE	PERCENT PASSING
#4	100
#10	100
#20	100
#40	100
#60	100
#100	100
#200	100

5. FILL PLACEMENT AND COMPACTION
- a. THE SOIL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 12" IN THICKNESS.
 - b. THE AREA SHOULD BE GRADED AND ROUGH GRADED. ALL STUMPS AND LARGE BOLLERS SHOULD BE REMOVED.
 - c. THE SOIL SHOULD BE STRIPPED/STRIPPED AND ALL STUMPS AND LARGE BOLLERS SHOULD BE REMOVED.
 - d. THE SOIL SHOULD BE STRIPPED/STRIPPED AND ALL STUMPS AND LARGE BOLLERS SHOULD BE REMOVED.
 - e. THE SOIL SHOULD BE STRIPPED/STRIPPED AND ALL STUMPS AND LARGE BOLLERS SHOULD BE REMOVED.
 - f. THE SOIL SHOULD BE STRIPPED/STRIPPED AND ALL STUMPS AND LARGE BOLLERS SHOULD BE REMOVED.

SOIL TYPES

- Lq.....Leicester, Ridgebury and Whitman
very sandy fine loam
PbB.....Percent slopes
PdB.....3 to 8 percent slopes
PeC.....3 to 8 percent slopes
PeD.....3 to 15 percent slopes
PeD.....15 to 35 percent slopes

APPROVED BY THE PLANNING & ZONING COMMISSION:
FINAL APPROVAL: _____
DATE: _____
EXPIRATION DATE: _____
CHAIRMAN: _____
DATE: _____
EXPIRATION DATE: _____
CONDITIONAL APPROVAL: _____
DATE: _____
EXPIRATION DATE: _____

ALAN H. HEUREUX
PROFESSIONAL ENGINEER
CT. REG. NO. 16861
DATE: 4/2/06

THIS PLAN SHALL NOT BE ASSUMED TO BE VALID UNLESS IT IS SIGNED AND SEALED BY THE ABOVE-NAMED PERSON.

SUBDIVISION
PLAN OF 'GREYSTONE'
MAP 253, BLOCK 3, LOTS 10 & 18
IN TORRINGTON, CONNECTICUT

OWNER:
GEORGE B. RUWET
1712 TORRINGTON ST
TORRINGTON, CT

APPLICANT:
WATERS DEVELOPMENT GROUP, LLC

PREPARED BY:
Boucher & Heureux, Inc.
CIVIL ENGINEERS & LAND SURVEYORS
648 AMERICAN LEGION HIGHWAY, SUITE ONE
WESTPORT, MASSACHUSETTS 02790
tel. (508) 636-5905 - fax. (508) 636-2477

SITE DEVELOPMENT, SOIL EROSION AND SEDIMENT CONTROL PLAN (LOTS 9 & 10)

DRAWN BY: P.W.M.
CHECKED BY: A.J.H.
DATE: NOVEMBER 5, 2004
DWG. No. 1499-01
JOB No. SHEET No. 9 of 14
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