

- MAP REFERENCE**
- LOCATION & TOPOGRAPHIC SURVEY OF PORTION OF PROPERTY OF TOWN OF CHESHIRE KNOWN AS MIXVILLE PARK, NOTCH ROAD, CHESHIRE, CT. SCALE: 1"=20'. PREPARED BY JACKOWIAK LAND SURVEYING, MIDDLETOWN, CT.
  - SEPTIC SYSTEM AS-BUILT DRAWING BY MUSTONE DATED AUGUST 4, 1986, TITLED "MIXVILLE RECREATION AREA".
- SITE DEVELOPMENT NOTES**
- ALL BURIED UTILITY LOCATIONS ON THIS PLAN ARE FROM AS-BUILT DOCUMENTS SUPPLIED BY THE TOWN OF CHESHIRE. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY EACH UTILITY PRIOR TO ANY CONSTRUCTION ACTIVITIES. FOR LOCATIONS OF ALL UNDERGROUND UTILITIES INQUIRE AT THE APPROPRIATE UTILITY AND CALL BEFORE YOU DIG AT 1-800-922-4455.
  - ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO DISTURBANCE OF THE NATURAL GROUND CONDITIONS.
  - THE PROJECT AREA IS NOT WITHIN A REGULATED FLOODPLAIN.
  - ALL WATER SYSTEM WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND REGULATIONS OF THE TOWN OF CHESHIRE PUBLIC WORKS DEPT. AS AMENDED.
  - ALL SUBSURFACE SEWAGE DISPOSAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT STATE OF CONNECTICUT PUBLIC HEALTH CODE SEC. 19-13-B103 AND THE TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS AS AMENDED.
  - ALL ROOFWATER SHALL BE DIRECTED AWAY FROM THE LEACHING SYSTEM.
  - ALL AREAS OF THE SITE DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO EQUAL OR BETTER CONDITIONS BY THE CONTRACTOR.

- SOIL TEST DATA**
- JUNE 14, 2018  
PERFORMED BY MELISSA SORICELLI, RS  
CHESPROCCOTT HEALTH DISTRICT
- TP#1**  
0-18" FILL  
18-84" ORANGE BROWN MEDIUM-COARSE FINE SAND WITH COBBLES & BOULDERS THROUGHOUT HOLE NO LEDGE, MOTTLING OR WATER.
- TP#2**  
0-10" TOPSOIL  
10-84" ORANGE BROWN MEDIUM-COARSE FINE SAND WITH ROCKS & COBBLES THROUGHOUT  
84-96" TAN / LIGHT BROWN SAND; GRAVEL, ALL LOOSE NO LEDGE, MOTTLING OR WATER.
- TP#3**  
0-7" TOPSOIL  
7-78" ORANGE BROWN MEDIUM-COARSE FINE SAND, COBBLES & ROCKS  
78-83" LIGHT BROWN FINE SAND, NO LARGE BOULDERS NO LEDGE, MOTTLING OR WATER.

**PERCOLATION TEST**

JUNE 14, 2018  
PERFORMED BY MELISSA SORICELLI, RS  
CHESPROCCOTT HEALTH DISTRICT

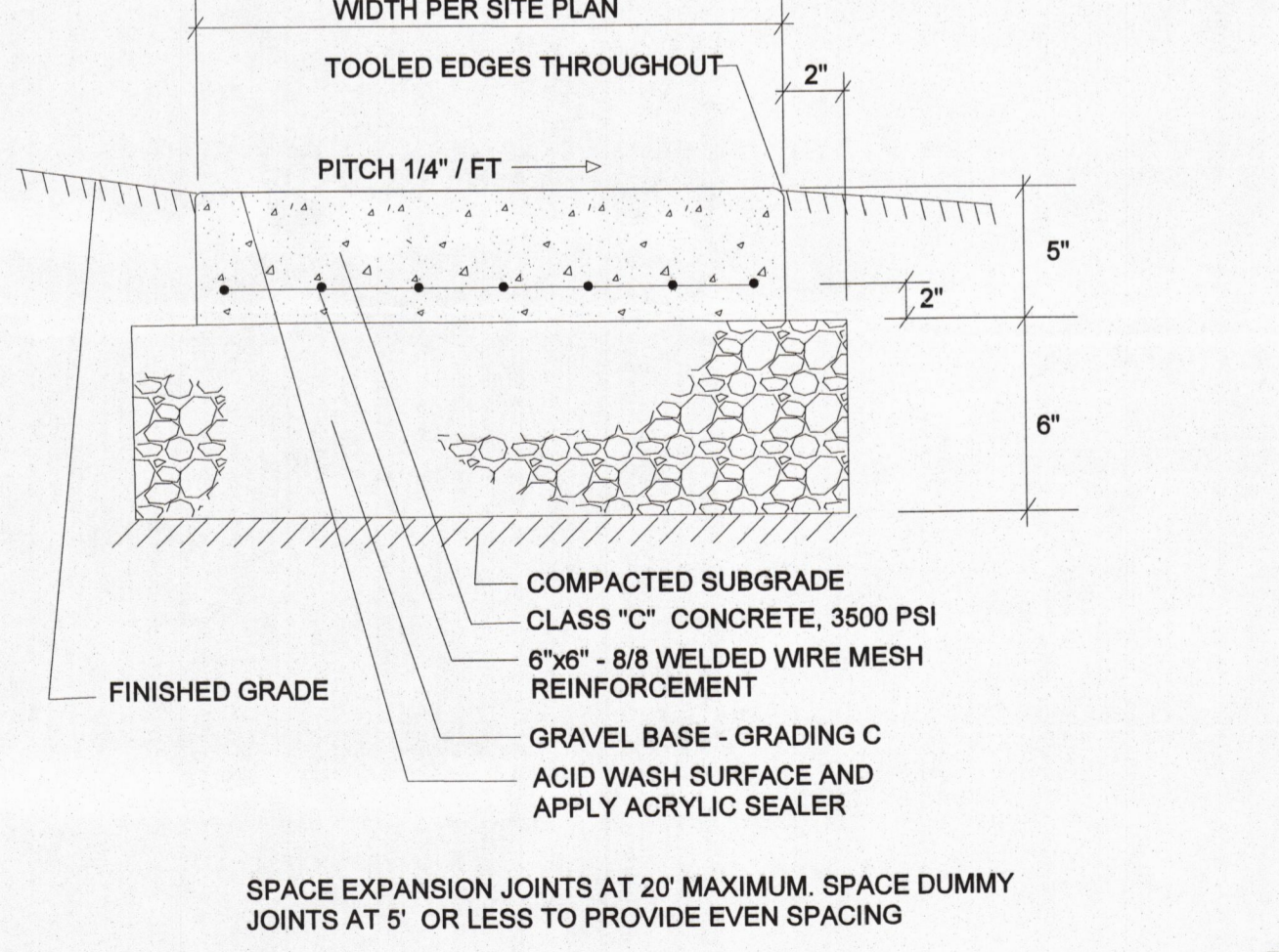
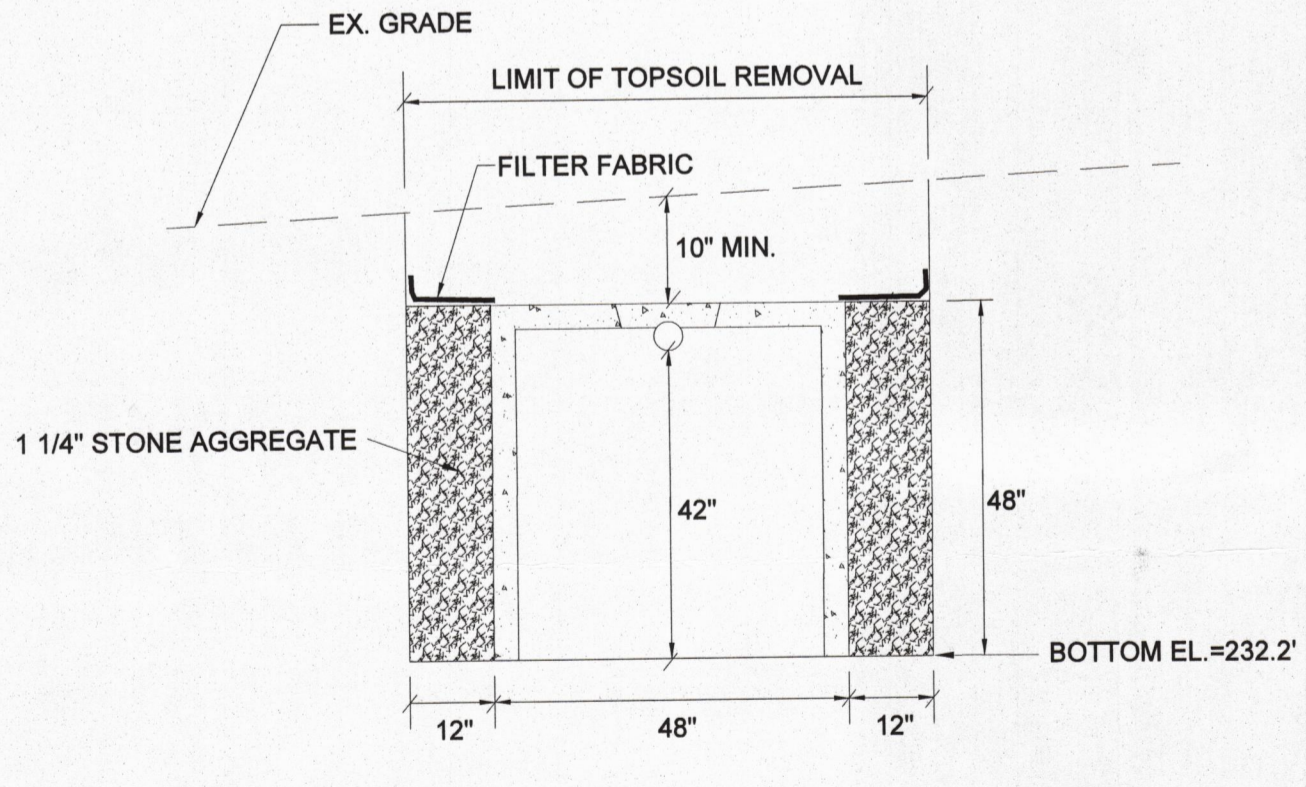
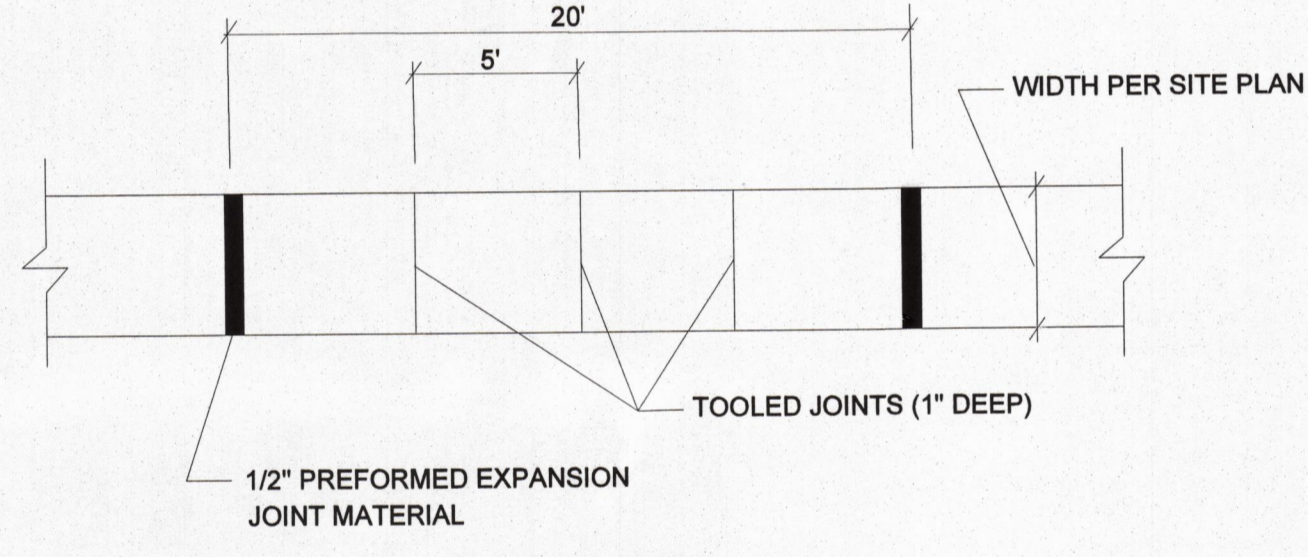
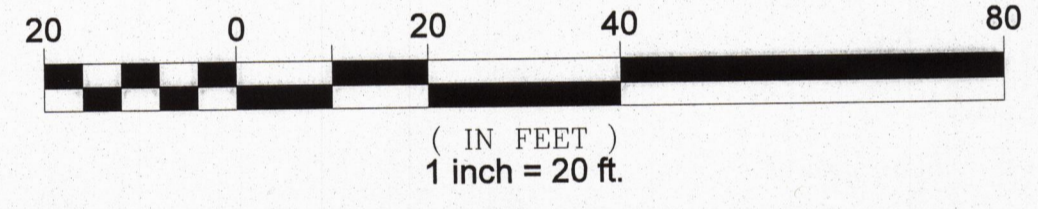
NO.	DEPTH:	TIME	READING	RATE
1	31"	2:26	14"	
		:30	2 1/2"	
		:35	3 3/4"	
		:40	5"	
		:45	6 1/4"	
		LESS THAN 3"	OF WATER	1-10 MIN/INCH

- SUBSURFACE SEWAGE DISPOSAL NOTES**
- THE SEPTIC TANK SHALL BE A 2,000 GALLON TWO CHAMBER "SUPERIOR" TANK OR EQUAL. IT SHALL BE PROPERLY BAFFLED AT THE INLET AND OUTLET WITH A PROPERLY SIZED FILTER AND SHALL BE CERTIFIED FOR HAVING WATER TIGHT JOINTS AND PIPE CONNECTIONS IN ACCORDANCE WITH CURRENT CONNECTICUT PUBLIC HEALTH CODE REGULATIONS. NON-CONCRETE SEPTIC TANKS AND GREASE INTERCEPTORS MUST BE APPROVED BY THE DEPARTMENT OF PUBLIC HEALTH.
  - NEW PIPE BETWEEN THE BUILDING AND SEPTIC TANK SHALL BE 4" SCH 40 PVC, 4" EXTRA HEAVY CAST IRON (ASTM A74), OR PIPE AND JOINTS CONFORMING TO SECTION 19-13-B103 OF THE PUBLIC HEALTH CODE. THE PIPE SLOPE SHALL BE A MINIMUM OF 1/4 INCH PER FOOT OR 2.1 PERCENT.
  - THE BOTTOM OF ALL LEACHING TRENCHES SHALL BE LEVEL THROUGHOUT. ANY PITCH IN THE LEACHING TRENCH SHALL NOT EXCEED 1" IN 50'.
  - THE INSTALLER SHALL VERIFY ALL BENCHMARKS SHOWN ON THIS PLAN PRIOR TO BEGINNING WORK ON THE SYSTEM.
  - ALL POINTS SHOWN ON THIS PLAN AS BOUNDARY CORNERS, SURVEY STAKES, BENCHMARKS, ETC., SHALL NOT BE DISTURBED DURING CONSTRUCTION.
  - FOR THE LOCATION OF UNDERGROUND ELECTRIC, TELEPHONE, GAS, CABLE TV AND OTHER FACILITIES OF PUBLIC UTILITY COMPANIES, CONTACT CALL BEFORE YOU DIG, INC. 1-800-922-4455 AND THE TOWN OF CHESHIRE PUBLIC WORKS DEPT.
  - THE SIDES AND BOTTOMS OF ALL LEACHING TRENCH EXCAVATIONS SHALL BE HAND RAKED TO ELIMINATE STUMPS, SMOOTH SPOTS, AND COMPRESSED SOIL.
  - ALL TREES AND STUMPS IN THE AREA OF THE LEACHING SYSTEM SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF SITE PRIOR TO CONSTRUCTION.
  - THE CONTRACTOR SHALL USE WHATEVER MEASURES ARE NECESSARY TO PREVENT DAMAGE TO THE LEACHING SYSTEM AND/OR EROSION OF THE DISTURBED AREAS DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE LOAMED, SEEDED, AND STABILIZED IMMEDIATELY FOLLOWING COMPLETION OF THE INSTALLATION.
  - NO REVISIONS TO THE DESIGN ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER AND THE CHESPROCCOTT HEALTH DISTRICT.
  - CONSTRUCTION STAKEOUT OF THE SEPTIC SYSTEM SHALL BE PERFORMED BY A SURVEYOR PRIOR TO STRIPPING OF TOPSOIL.
  - BACKWASH FROM WATER TREATMENT SYSTEMS SHALL NOT BE DISCHARGED TO THE SEPTIC SYSTEM BUT SHALL GO TO A LEACHING SYSTEM DEDICATED SOLELY FOR THIS BACKWASH WATER.
  - THE AREA FOR THE LEACHING SYSTEM SHALL BE DISTURBED ONLY DURING PERIODS WHEN THE SOIL IS DRY AND NO MORE THAN TWO WEEKS PRIOR TO THE PLACEMENT OF THE LEACHING SYSTEM.
  - ALL ROOF AND SURFACE WATER RUN-OFF SHALL BE DIRECTED AWAY FROM THE AREA OF THE LEACH FIELD.
  - ALL SOLID PIPE BETWEEN THE SEPTIC TANK AND LEACHING SYSTEM, AND SEGMENTS OF THE LEACHING SYSTEM SHALL BE 4" DIAMETER P.V.C. MEETING ASTM D-3034 SDR-35.
  - LOW WATER CONSUMPTION FIXTURES AND 1.5 GALLON FLUSH TOILETS SHALL BE USED.
  - WHERE THERE WILL BE MORE THAN 12 INCHES TO FINAL GRADE OVER THE SEPTIC TANK, 24 INCH DIAMETER MANHOLES SHALL BE PLACED TO GRADE OVER THE INLET AND OUTLET CLEANOUTS.
  - THERE ARE NO KNOWN WELLS WITHIN 75 FEET OF THE PROPOSED LEACHING SYSTEM.
  - THE LEACHING SYSTEM SHALL BE PROPERLY BACKFILLED AND GRADED BY THE LICENSED SYSTEM INSTALLER WITHIN TWO WORKING DAYS FOLLOWING THE HEALTH DISTRICT'S FINAL INSPECTION AND APPROVAL.

- EROSION & SEDIMENTATION CONTROL NOTES**
- PRIOR TO THE START OF CONSTRUCTION, HAY BALES AND/OR SILT FENCES SHOWN ON THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH STANDARDS OUTLINED IN "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002" AND THIS SITE PLAN.
  - AT THE REQUEST OF THE TOWN ENGINEER OR ZONING ENFORCEMENT OFFICER, ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED TO ADDRESS FIELD CONDITIONS.
  - ALL DISTURBED AREAS SHALL BE TOPSOILED, SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH THE MINIMUM STANDARDS OUTLINED IN "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002", AS FOLLOWS:  
PERMANENT SEEDING AND PLANTING DATES ARE:  
APRIL 1ST TO JUNE 1ST AND AUG. 15TH TO SEPT. 30TH.  
TOPSOIL - 4" DEPTH  
LIME - 45-90 LBS PER 1000 SF  
FERTILIZER - (10-10-10) 7.5 LBS PER 1000 SF  
SEEDING - KENTUCKY BLUE GRASS - 2.25  
CREEPING RED FESCUE - 2.25  
PERENNIAL RYEGRASS - .50  
MULCH - STRAWHAY 80 LBS PER 1000 SF
  - THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN IS:

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
TEL. # \_\_\_\_\_

- ALL FINISHED GRADING SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS. NO WORK AREA SHALL BE LEFT DISTURBED AND/OR UNSTABLE FOR MORE THAN 30 DAYS WITHOUT THE APPLICATION OF STABILIZATION MEASURES (E.S.EEDING, MULCHING, ETC.).
- ALL STABILIZED AND DISTURBED AREAS, CONTROL MEASURES AND CONSTRUCTION ENTRANCES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF THE END OF A RAINFALL THAT IS 0.1 INCHES OR GREATER. REPAIR OR CORRECT DAMAGE AND/OR ADD ADDITIONAL MEASURES WITHIN 3 DAYS OF INSPECTION REQUIRED ABOVE.
- ALL CONTROL MEASURES SHALL BE PROPERLY MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED FOR A PERIOD OF AT LEAST 3 MONTHS.



NO INSTALLATION OF UNDERGROUND FUEL OIL TANKS WITHOUT PERMIT FROM CHESPROCCOTT HEALTH DISTRICT

AN ENC. ERECTED AS BUILT IS REQUIRED BY CHESPROCCOTT HEALTH DISTRICT

PRIOR TO INSTALLATION OF SEPTIC SYSTEM STAKEOUT BY ENGINEER OF SURVEYOR REQUIRED CHESPROCCOTT HEALTH DISTRICT

**BASIS OF SANITARY DESIGN - 19-13-B100a EVALUATION**

THE NUMBER OF FIXTURES IN BATHROOM FACILITY AT MIXVILLE PARK ARE TO PROPOSED TO BE DOUBLED FROM WHAT CURRENTLY EXISTS. THE PARK'S BATHROOM IS SUPPLIED BY AN ON-SITE WELL AND SUBSURFACE SEWAGE DISPOSAL SYSTEM. THESE FACILITIES ARE USED ON A SEASONAL BASIS BETWEEN THE MONTHS OF APRIL AND OCTOBER. PEAK USE OCCURS DURING SUMMER HOLIDAYS AND WEEKENDS WITH LIMITED USE DURING WEEKDAYS. AS A RESULT, THE LEACHING SYSTEM HAS SIGNIFICANT TIME TO DEWATER AND REST BETWEEN PERIODS OF HEAVY USAGE. THE DRYWELL LEACHING SYSTEM HAS BEEN IN PLACE FOR MORE THAN 31 YEARS WITH NO KNOWN BACKUP OR BLEEDOUT ISSUES.

THE FOLLOWING DIMENSIONS ARE PROVIDED FOR THE EXISTING DRYWELL SYSTEM AND ARE THEN DUPLICATED FOR THE PROPOSED GALLERY SYSTEM, PROPORTIONAL TO THE INCREASE IN THE NUMBER OF FIXTURES FOR THE FACILITY. THE NEW GALLERY SYSTEM WILL TAKE THE MAJORITY OF THE PEAK FLOW ALLOWING THE DRYWELL SYSTEM TO REST, DRYOUT AND RECONDITION ITSELF.

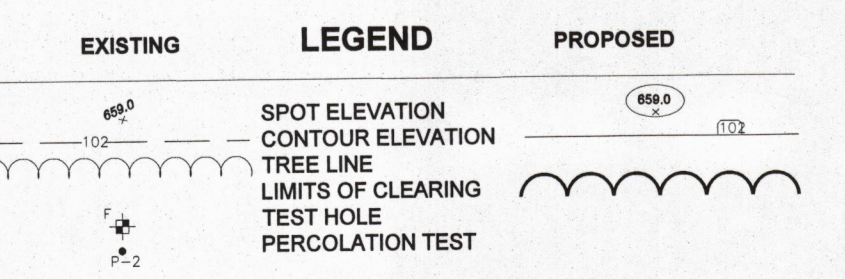
THE CAPACITY OF THE EXISTING AND PROPOSED LEACHING SYSTEMS AND UNDERLYING SOILS ARE CONSIDERED CODE COMPLIANT UNDER 19-13-B100a(C).

**DIMENSIONS OF EXISTING DRYWELL LEACHING SYSTEM**  
SIDE WALL SOIL CONTACT AREA (ELA): (3x15) x (5) = 50 LF x 6\"/>

**DIMENSIONS OF LEACHING GALLERY ADDITION:** 28 LF 4x4\"/>

**LIST OF ABBREVIATIONS**

AC	ACRE	LVC	LENGTH OF VERTICAL CURVE
"ADS"	ADVANCED DRAINAGE SYSTEMS	MH	MANHOLE
BIT.	BITUMINOUS	P.A.G.	POINT OF APPLICATION OF GRADE
BVC	BEGIN VERTICAL CURVE	P.C.P.T	POINT OF CURVATURE/TANGENT
CATV	CABLE TV	PVC	POLYVINYL CHLORIDE
C.B.	CATCH BASIN	PVMT	PAVEMENT
CL	CENTER LINE	RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	RET.	RETAINING WALL
C.O.	CLEANOUT TO GRADE	S.F.	SQUARE FEET
CONC.	CONCRETE	ST.	STORM SEWER
CORR.	CORRUGATED	STA.	STATION
DIA.	DIAMETER	S	SANITARY SEWER
DIP	DUCTILE IRON PIPE	SWL	4" SOLID WHITE LINE
D.S.	DOWNSPOUT	SYL	4" SOLID YELLOW LINE
EL.	ELEVATION	TE/CATV	TELEPHONE / ELECTRIC / CABLE
EVC	END VERTICAL CURVE	T.F.	TOP OF FRAME
EX.	EXISTING	T.O.W.	TOP OF WALL
F.B.F.	FINISHED BASEMENT FLOOR	WCP	WITRIFIED CLAY PIPE
F.F.	FINISHED FLOOR	W	WATER
F.M.	FORCE MAIN	W.V.	WATER VALVE
FT.	FEET (')	(N)	NORTH
FL.	FLOW LINE	(S)	SOUTH
G	GAS	(E)	EAST
HDPE	HIGH DENSITY POLYETHYLENE	(W)	WEST
HYD.	HYDRANT		
IN.	INCHES (")		
INV.	INVERT		



**REVISIONS**

NO.	DESCRIPTION	BY	DATE

**SITE PLAN FOR BATHROOM EXPANSION**  
**TOWN OF CHESHIRE - MIXVILLE PARK**  
#1300 NOTCH ROAD, CHESHIRE, CT

Date: JULY 14, 2018  
Scale: 1" = 20'

**SITE DEVELOPMENT & SUBSURFACE SEWAGE DISPOSAL PLAN**

Project No. \_\_\_\_\_  
Sheet No. 1 of 1

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