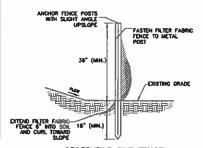
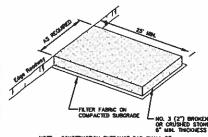
# GENERAL NOTES SUR CONSULTING ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH MAYE BEEN SUPPLIED BY OTHERS. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN'S REQUIREMENTS AND TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SEPERCEATION FOR ROADS, BRIDGES, FACILITIES AND INCOCNILL CONSTRUCTION, FORM BIT AND ADDENDUIS. THE PLANS REQUIRE A CONTRACTOR'S WORKING INHOMEDIDE OF LOCAL MUNICIPAL, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN WATERNIES AND LOCATIONS SHOWN AND LOCAL REQUIREMENTS SHAUL BE BROUGHT ON THE EMPORATOR ATTEMENT PHOR TO THE EMPORATOR ATTEMENT PHOR TO THE EMPORATOR ATTEMENT OF THE EMPORATOR THE EMPORATOR HE HELD LIABLE FOR COSTS INCURRED TO MUPLEMENT OF CONFECT WORK WHICH DOES NOT CONFERENT TO LOCAL CODE. ALL DMENSIONS AND ELEVATIONS SHALL BE VERFIED IN THE FELD PROR TO CONSTRUCTION. ANY DISCREPANCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY FOR DETERMINATION. ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC TELEPHONE, AND CABLE ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES. SEDMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEPARATE AND EROSION CONTROL HARRANGE SHALL BE INFELLENTED AND MARKANDED WITHIN PERMANENT COVER AND STRALLIZATION IS ESTABLISHED. ALL SEDMENT AND EROSION CONTROL LECKNIES SHALL COMPONE TO THE "2002 CONNECTICUT GUIDELINES FOR SHALL COMPONE AND ALL LASSE SESTE MANAGEDIEM PRACTICES." SEDMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS SHALL BE MERLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION HAS BEEN ESTABLISHED. 8. COMPLIANCE WITH THE PERMIT CONDITIONS & THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITE. SUBSURFACE SEWAGE DISPOSAL SYSTEM AREA TO BE STAKED BUT AND MARKED TO PREVENT DISTURBANCE FROM OTHER CONSTRUCTION ACTIVITIES. 10. BASED UPON AVAILABLE INFORMATION THERE ARE NO SEPTIC SYSTEMS OR WATER SUPPLY WELL WITHIN THE RECURRED SEPARATION DISTANCES OF THE PROPOSED LEACHING SYSTEM. II. ENGINEER TO STANK LOCATION OF SEPTIC SYSTEM WITH ELEVATIONS FOR BOTTOM OF LEACHING GALLERES AND SET BENCH MARK IN AREA OF SYSTEM. 12. ALL DISTURBED AREAS SHALL RECEIVE A MANMUM OF 4" TOPSON. AND BE SEEDED WITH GRASS OR SOD, AS SHOWN ON THE PLANS. SURVEY NOTES

- 1. Pies SUMPLY ALD MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20—3008D THROUGH DEVALORS OF COMMERCENT OF COMMERCIAL TO COMMERCIAL TO COMMERCIAL TO COMMERCIAL TO COMMERCIAL TAS ENDORSED BY THE COMMERCIAL TO SUBJECT AS ENDORSED BY THE COMMERCIAL TO SUBJECT BASED ON A DEPENDENT RESURVEY COMFORMAND TO HORDONIAL ACCORDANCY CLAMB A—2.
- NORTH BASED UPON THE CONNECTION STATE PLANE COORDINATE SYSTEM (NAD 1983) ESTABLISED BY C.P.S.
- INFORMATION RECARDING THE LOCATION OF DUSTING UNDERGROUND LITLES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE AND TWISE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING LITTLES SHOULD BE CONFIRMED PRORY TO BECHNING CONSTRUCTION. CALL CALL BEFORE TOP DOES "IN-00-222"—4435. ALL LITLEST LOCATIONS THAT BO NOT MATCH THE VERTICAL OR HORZONTAL CONTROL SHOWN ON THE FUAR SHALL MINEDIATE BE REGULER TO THE ATTENDED.
- 5. CURRENT ZONING DISTRICT = R-40 RESIDENTIAL



GEOTEXTILE SILT FENCE



CONSTRUCTION ENTRANCE PAD

SELECT FIL MATERIAL:
SELECT FIL PLACED WITHIN AND ADJACOUT TO LEACHING SYSTEM AREAS
SMIL RE COMPRISED OF CLEAN SAND, OR SAND AND GRAFEL FREE OF
ORGANIC MATTER AND FOREIGN SURSTANCES. THE SELECT FIL SHALL M
FIRE FOLLOWING REQUIRELIBRIS UNLESS OTHERWISE APPROVED BY A
PROFESSIONAL DISCRETE FOR USE WITHIN THE LEACHING AREA.

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) MICH SEPEL

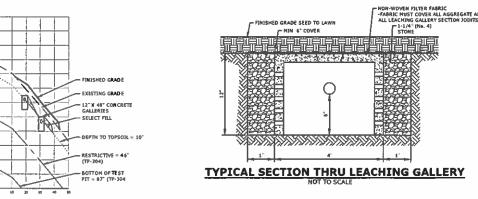
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY
BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE

SAMPLE).

3. THE MATERIAL THAT PASSES THE \$4 SEVE IS THEN REMEMBER AND THE SEVE ANALYSIS STATTED.

4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA-





MELROSE DRIVE

SECTION A-A' SCALE: 1"=3" V 1"=30" H

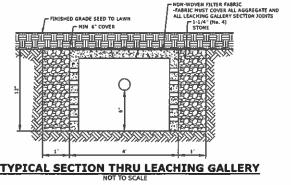
FOOTING DRAIN DISCHARGE TO GRADE AT 2'X2' SPLASH PAD

POSSIBLE LOCATION OF LPWT DISCHARGE-(IF NECESSARY)
-SIZE TO BE DETERMINED IF NEEDED

EXISTING TREELINE

GRAPHIC SCALE

( IN FEET ) 1 inch = 30



# SEPTIC SYSTEM INVERT ELEVATIONS:

SEPTIC TANK WALET = 234.75 SEPTIC TANK OUTLET = 234.50 0-80X INVERT ROW 1 = 234.1 (HLO) = 234.2

ROW 1 BAYERT ELEVATION = 234.0 ROW 1 BOTTOM ELEVATION = 233.5 D-BOX MIVERT ROW 2 = 232.6"

## ROW 2 INVEST ELEVATION = 232.5' ROW 2 BOTTOM ELEVATION = 232.0

## SYSTEM DESIGN

DESIGN BASIS: COMMECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS REVISED JANUARY 2014

FLOW: 4 BEDROOMS
PERC RATE: 10.1-20.0 MIN/INCH
EFFECTIVE AREA REQUIRED = 787.5 SQ.FT.

RESTRICTIVE LAYER =  $66^\circ$  MOTTLING SLOPE = 10.1-15.0% RCCPING SOL DEPTH = 10.1-15.0% RCCPING SOL DEPTH =  $10^\circ$  ( $30^\circ$  Top of Leaching to RL + $48^\circ$  and Depth from Ex croce to RL/2 =  $10^\circ$  moderatic factor ( $97^\circ$ ) =  $18^\circ$  from Factor ( $97^\circ$ ) =  $1.75^\circ$  Percolation factor ( $97^\circ$ ) =  $1.25^\circ$  mLSS = 38.375

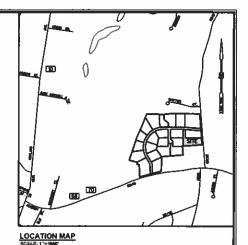
USE 2 ROWS - 72 LF OF 12" X 48" CONCRETE LEACHING GALLERIES EFFECTIVE LEACHING AREA PROVIDED a B49.6 SQ.FT. (144 LF @ 5.9 SQ.FT./L.F.)

RESERVE AREA: USE 2 ROWS OF 72 LF OF 12" X 48" CONCRETE LEACHING GALLERIES EFFECTIVE LEACHING AREA PROMOTO = 849 6 SOUT. (144 LF @ 5.9 SOUT. ALE.)

### SEPTIC TANK SIZING:

4 BEDROOM HOUSE - 1250 - 1250 GAL CARRACE CRINDER = +250 CAL

ECT\_20: REDURED = 1250 PROPOSED = 1500 GAL



**LEGEND** --- WETLAND

MONUMENT TO BE SET IRON PW/PIPE ---- 100' UPLAND REVIEW CONCRETE MONUMEN WATERCYLIRS PROPERTY LINE DRAINAGE MANHOLE TELEPHONE MANHOLE EASEMENT EXISTING CONTOU ELECTRIC MANHOLE PROPOSED CONTOUR WATER VALVE \* \* \* \* \* \* \* SEDIMENT FILTER FENCE - BUILDING SETBACK LINE UCHT POST COCCOCCCCC EXISTING STONE WALL UTILITY POLE EXISTING TREELINE GRADE TO DRAW PROPOSED LIMIT OF CLEARING @ PT PERCOLATION TEST

8 - 25"LIGHT BROWN SILT/LOAM DENSE AREAS 25 - 92" VERY COMPACT RED/BROWN GRAVELLY SANDY LOAM

LEDGE @ 45 EAST END? MOTTLES @ 25" - FAINT, NO WATER, LEDGE @ 45" EAST END?

DEPTH: 34". RATE. 30 1-45 @MIN/IN

## TEST PIT #154 0 = 7" TOPSOIL

7 - 27 BROWN FINE SANDY LOAM

27 48" VERY COMPACT RED/BROWN GRAVELLY SANDY LOAM 48 - 90" DIGGABLE SANDSTONE NO MOTTLES, NO WATER ATYPICAL LEDGE # 48" - SOLID #0 32" EAST END

PERC. 154 DEPTH. 31 : RATE 10 1 20 0 MIN/IN

11 - 27" LIGHT BROWN VERY FINE SANDY LOAM/SILT LOAM DENSE AREAS 27 48" VERY COMPACT RED/BROWN GRAVELLY SANDY LOAD 48 - 91" DIGGABLE SANDSTONE MOTTLES @ 277 NO WATER ATYPICAL LEDGE @ 48

PERC: 155 DEPTH 36

# RATE: 30 1-45 DMIN/IN

10 -46 FINE SANDY LOAM W/ COBBLES, FIRM 46 87 GRAVELY FINE SANDY LOAM W/ COBBLES, FIRM

MOTTLING-N/A RESTRICTIVE 46

PERC: 304 DEPTH 24 RATE 101-200 MIN/IN

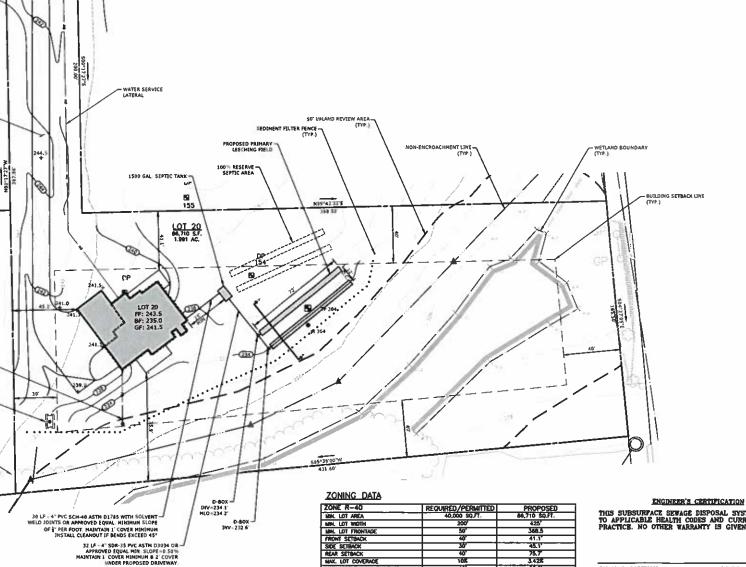


W REALTY DRIV. 7: 203 271 177 www.brconsulting.co

## IMPROVEMENT LOCATION SURVEY

PLAN OF PROPOSED IMPROVEMENTS. LOT 20 "ORCHARD VIEW SUBDIVISION" WEISE ROAD AND ACADEMY ROAD CHESHIRE, CONNECTICUT

SCALE 1" = 30" DATE .00 14997.00014 JULY 12, 2021 DESIGNED RJM DRAWN KJG DIEKE RMIGS MELT 1 OF 1



MAX. HEIGHT MAIN BUILDING

THIS SUBSURFACE SEWAGE DISPOSAL SYSTEM CONFORMS TO APPLICABLE HEALTH CODES AND CURRENT DESIGN PRACTICE. NO OTHER WARRANTY IS GIVEN OR IMPLIED

RYAN J. MCEVOY CONN. P.E. 25786