

AREA = 2.83± ACRES
123,100± SQ. FT.

SITE PLAN
1" = 20'

SURVEY NOTES:

- THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
TOPOGRAPHY IS FROM REFERENCE PLAN, WITH ADDITIONAL SPOT GRADES BY J & D CIVIL ENGINEERS IN DECEMBER 2020.
PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.
- TEST PIT AND PERC TEST LOCATIONS HAVE BEEN COMPILED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. THIS INFORMATION IS TO BE CONSIDERED APPROXIMATE AND J & D CIVIL ENGINEERS DOES NOT TAKE RESPONSIBILITY FOR SUBSEQUENT ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS PLAN AS A RESULT.
- REFERENCE PLANS:
(A) "PROPERTY SURVEY PREPARED FOR HAROLD E. NICHOLS, JR./IRENE A. NICHOLS ROUTE # 193 & ROBBINS ROAD, THOMPSON, CONNECTICUT DECEMBER 2008" BY PC SURVEY ASSOCIATES, LLC.
(B) "SITE DEVELOPMENT PLAN PREPARED FOR RICHARD R. SAMBORSKI, ROBBINS ROAD - THOMPSON, CT." PLAN PREPARED BY J & D CIVIL ENGINEERS, LLC. DATE: JUNE 1, 2009.

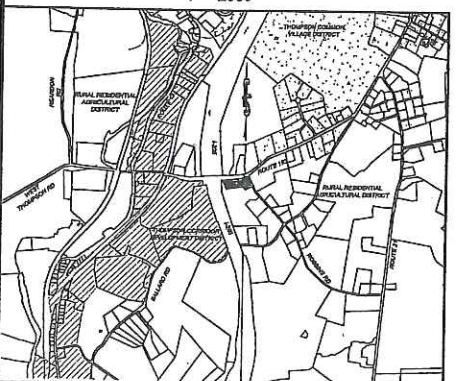
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DENNIS R. BLANCHETTE DATE 12/10/20 LICENSE NUMBER

LEGEND

- BUILDING SETBACK LINE
- - - PROPERTY LINE
- EXISTING CONTOUR LINE
- - - PROPOSED CONTOUR LINE
- - - EDGE OF WETLANDS
- - - WETLAND BUFFER
- - - EROSION CONTROL DEVICES
- TEST PIT
- PERC TEST

LOCUS MAP
1" = 2000'



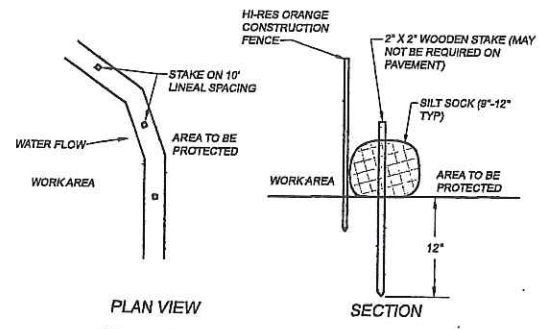
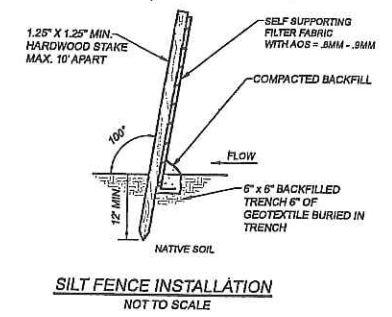
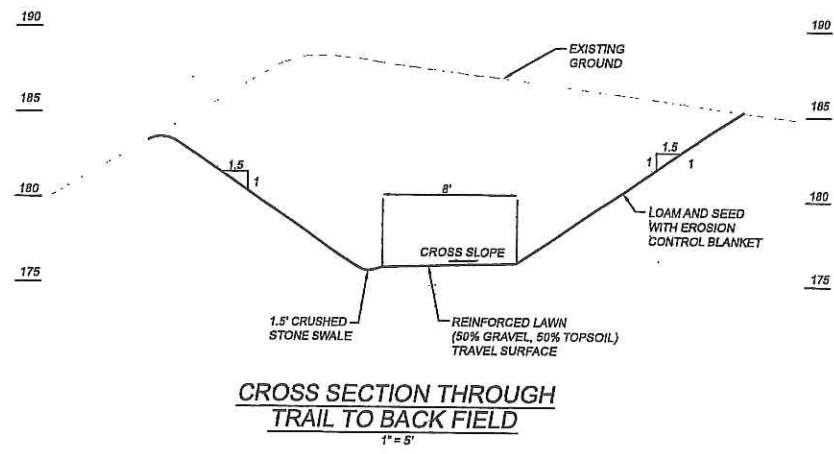
MAP 67 BLOCK 53 LOT 84-1

**CHILD CARE FACILITY
SITE DEVELOPMENT PLAN
PREPARED FOR
LISA AUDETTE
ROBBINS ROAD - THOMPSON, CT**

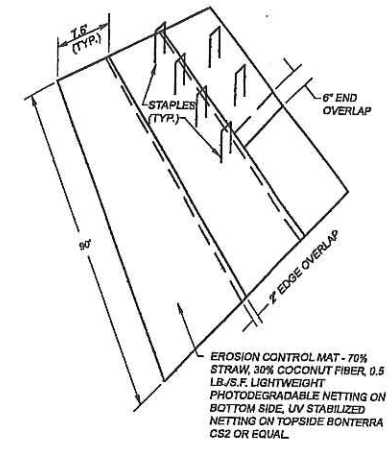
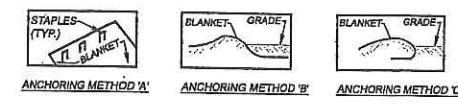
J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB	REVISIONS:
DRAWN: DRB	
JOB NO: 20258	DATE: JANUARY 6, 2021
SCALE: AS NOTED	SHEET: 1 OF 3

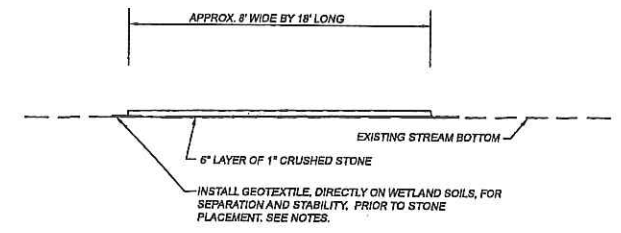
PZC 21-01
Site plan
0 Robbins Rd
Rec'd 1-14-2021



- NOTES**
1. SILT SOCK MANUFACTURER SHALL BE SILT SOCK OR ENGINEER APPROVED EQUAL.
 2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS.
 3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
 4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.



- INSTALLATION NOTES ON SLOPES:**
- GRADE AND SMOOTH SLOPE. APPLY FERTILIZER AND SEED PRIOR TO INSTALLING BLANKETS UNLESS USED AS TEMPORARY SEASONAL COVER.
 - ANCHOR BLANKETS AT TOP OF SLOPE. USE ANCHORING METHOD 'A' FOR 4:1 SLOPES, 'B' FOR 3:1 SLOPES AND 'C' FOR 2:1 AND STEEPER SLOPES.
 - UNROLL BLANKETS IN DIRECTION OF WATER FLOW. PLACE BLANKETS LOOSELY AND IN FULL CONTACT WITH THE SOIL.
 - OVERLAP BLANKET EDGES APPROXIMATELY 2" AND STAPLE. NOTE: INSTALL BLANKETS SO EDGE OVERLAPS ARE SHINGLED AWAY FROM PREVAILING WIND.
 - OVERLAP BLANKET ENDS 6", UPPER BLANKET OVER LOWER BLANKET, AND STAPLE USING FIVE STAPLES (ANCHOR 'A').
 - CUT EXCESS BLANKET WITH SCISSORS AND ANCHOR AT END OF SLOPE. USE ANCHORING METHOD 'A' FOR 4:1 SLOPES AND 'B' FOR SLOPES 3:1 OR STEEPER.

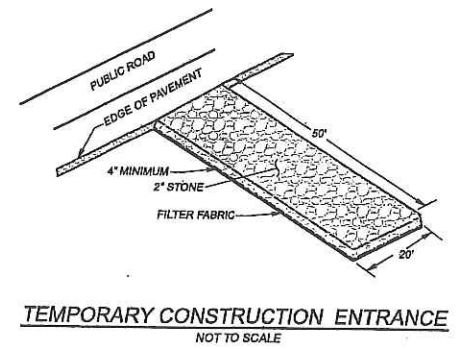


GEOTEXTILE INSTALLATION NOTES

WOVEN GEOTEXTILE SHALL MEET AASHTO M298-09 FOR CLASS 2 STABILIZATION AND SEPARATION SUCH AS TENCATE MIRAFI HP SERIES GEOTEXTILES.

VEGETATION REMAINING AFTER CLEARING MAY REMAIN IN PLACE FOR STABILIZATION PURPOSES. ALL DEPRESSIONS OR HUMPS GREATER THAN 6" SHOULD BE SMOOTHED OUT. IF THE SOILS BECOME EXCESSIVELY RUTTED OR ARE PUMPING, THEY MAY BE EXCAVATED AND REPLACED WITH GRANULAR FILL.

THE GEOTEXTILE SHALL BE PLACED DIRECTLY ON THE PREPARED SUBGRADE. PLACE STONE DIRECTLY OVER THE GEOTEXTILE. USE RUBBER Tired VEHICLES DRIVEN WITH CARE. DO NOT OPERATE TRACKED MACHINES OVER THE GEOTEXTILE UNTIL IT HAS AT LEAST 6" OF COVER.



SOIL EROSION CONTROL PLAN

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A CHILD DAYCARE FACILITY WITH ACCOMPANYING PARKING LOT. THE GOAL OF THE EROSION CONTROL PLAN IS TO PROHIBIT ANY ERODED SEDIMENT OR SEDIMENT LADEN RUNOFF FROM ENTERING THE DOWNSTREAM WETLANDS. THE SITE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES AS NEEDED, BEYOND WHAT IS INDICATED ON THE PLAN, SUCH AS HAYBALES, SILT SOCK, STONE CHECK DAMS ETC, TO ENSURE THE NO SEDIMENT ERODES FROM THE SITE.

- CONSTRUCTION SEQUENCE**
1. INSTALLATION OF SEDIMENT CONTROL BARRIERS AS SHOWN ON THE PLAN.
 2. CLEARING AND GRUBBING
 3. STRIP TOPSOIL
 4. SITE ROUGH CUTS AND FILLS
 5. POUR CONCRETE FOUNDATION
 6. GRADE AND CONSTRUCT PARKING LOT
 7. EXCAVATE ACCESS TRAIL TO BACK FIELD.*
 8. INSTALL AT GRADE INTERMITTENT WATERCOURSE CROSSING*
 9. HYDROSEED AND HAY COVER OVER DISTURBED AREAS
 9. COMPLETE SITE STABILIZATION AND REMOVE EROSION CONTROL
- * NOTE THAT #7 AND #8 SHOULD BE PERFORMED DURING THE LATE SUMMER WHEN WEATHER IS DRY AND TURF CAN ESTABLISH QUICKLY IN THE FALL. BUILDING CONSTRUCTION WILL BE ONGOING AFTER FOUNDATION IS POURED.

- OPERATIONS AND MAINTENANCE**
1. ALL PROPOSED WORK SHALL CONFORM TO 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL* BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION AND TOWN REGULATIONS.
 2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE GOALS OF THIS EROSION CONTROL PLAN ARE MET BY WHATEVER MEANS ARE NECESSARY. THE CONTRACTOR SHALL PLAN ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF DISTURBED AREAS.
 3. PRIOR TO CONSTRUCTION OR EXCAVATION, SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLAN OR AS REQUIRED BY THE TOWN AND MAINTAINED THROUGHOUT CONSTRUCTION.
 4. DISTURBED AREAS SHALL BE FINAL GRADED AS SOON AS POSSIBLE AFTER EXCAVATION. FINAL GRADING SHALL INCLUDE REMOVAL OF LARGE ROCKS, STUMPS AND OTHER DEBRIS FROM THE FINISHED SURFACE.
 5. STORMWATER INFILTRATION BASINS MUST BE PROTECTED FROM SILTATION. ANY SILT THAT ACCUMULATES DURING CONSTRUCTION SHALL BE EXCAVATED PRIOR TO LOAMING AND SEEDING.
 6. DAILY INSPECTIONS SHALL BE MADE OF EROSION AND SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVENESS AND IMMEDIATE CORRECTIVE ACTION SHALL BE TAKEN IF FAILURE OCCURS. ADDITIONAL EROSION CONTROL MEASURES BEYOND WHAT IS SHOWN ON THE PLAN MAY BE NECESSARY.
 7. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED.
 8. THE OWNER SHALL DESIGNATE THE ON-SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THIS EROSION AND SEDIMENT CONTROL PLAN. THE AGENT PHONE NUMBER SHALL BE PROVIDED TO THE GEO.

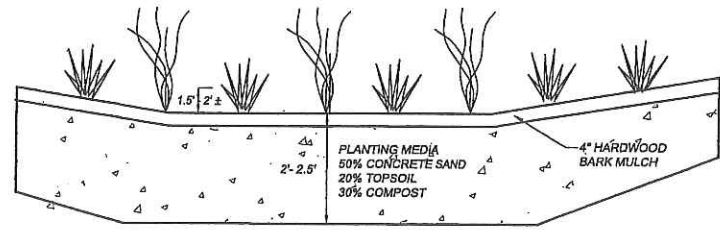
MAP 87 BLOCK 53 LOT 8A-1

**CHILD CARE FACILITY
DETAILS AND NOTES
PREPARED FOR
LISA AUDETTE
ROBBINS ROAD - THOMPSON, CT**

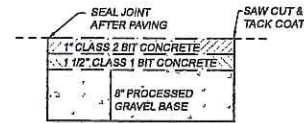
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JOB NO: 20258	DATE: JANUARY 6, 2021
SCALE: AS NOTED	SHEET: 3 OF 3

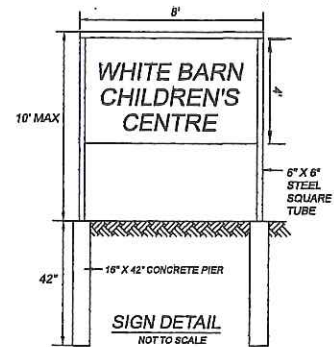
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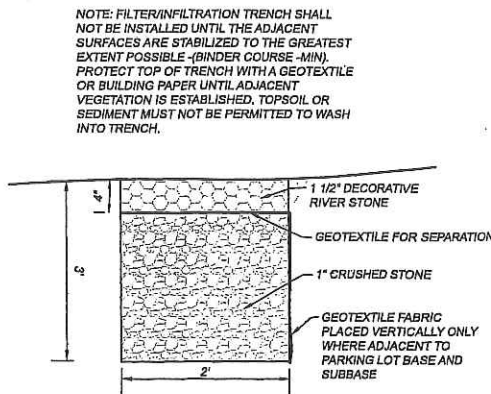
BIORETENTION AREA CROSS SECTION
N.T.S.



BITUMINOUS PAVEMENT SECTION
NOT TO SCALE



SIGN DETAIL
NOT TO SCALE
MAX 32 SF PER FACE
DOWNCAST LIGHTING
MAX. HEIGHT = 10'



CRUSHED STONE FILTER TRENCH
N.T.S.

BIORETENTION AREA NOTES:
PLANTINGS WILL BE SUBJECT TO PERIODIC INUNDATION AS WELL AS DROUGHT CONDITIONS. THEREFORE ANY SPECIES PLANTED MUST BE CAPABLE OF SURVIVING UNDER VARIABLE WATER CONDITIONS. NO SPECIES LISTED AS INVASIVE IN CONNECTICUT, OR VERY AGGRESSIVE SPREADERS, SHALL BE PLANTED. PLANTS SHALL BE SELECTED AND PLANTED BY EXPERIENCED PROFESSIONAL LANDSCAPERS. A MIXTURE OF SHRUBS, AND PERENNIALS SHALL BE PLANTED. THE FOLLOWING IS A RECOMMENDED LIST OF SPECIES.

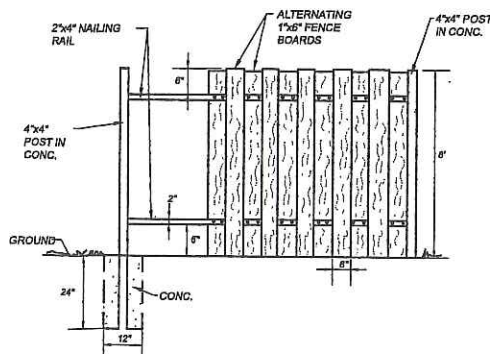
PERENNIALS

RED COLUMBINE (AQUILEGIA CANADENSIS)
ASTILBE (ASTILBE SPP.)
JOE PYE WEED (EUPATORIUM FISTULOSUM)
SPKED BAY FEATHER (LAIETRIS SPICATA)
CINNAMON FERN (OSMUNDA CINNAMOMEA)
ROYAL FERN (OSMUNDA REGALIS)
BLACK-EYED SUSAN (RUDBECKIA HIRTA)
EARLY CONEFLOWER (RUDBECKIA FULGIDA)

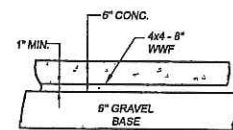
SHRUBS

RED CHONEBERRY (ARONIA ARBUTIFOLIA)
PASTURE ROSE (ROSA CAROLINA)
RED OSIER DOGWOOD (CORNUS SERICEA)
INKBERRY (ILEX GLABRA)
SPICEBUSH (LINDERA AESTIVALE BENZOIN)
PRINTELLOM AZALEA (RHODODIENDRON PERICLYMENOIDES)
ELDERBERRY (SAMBUCUS CANADENSIS)
LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIUM)
HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
WITHERED (VIBURNUM CASSINOIDES)
ARROWWOOD (VIBURNUM DENTATUM)
NANNYBERRY (VIBURNUM LENTAGO)
BLACK HAW (VIBURNUM PRUNIFOLIUM)
BUSHY ST. JOHN'S WORT (HYPERICUM DENISFLORUM)
BLACK HUCKLEBERRY (GAYLUSSACIA BACCATA)

NOTE: FILTER/INFILTRATION TRENCH SHALL NOT BE INSTALLED UNTIL THE ADJACENT SURFACES ARE STABILIZED TO THE GREATEST EXTENT POSSIBLE (BINDER COURSE - MIN). PROTECT TOP OF TRENCH WITH A GEOTEXTILE OR BUILDING PAPER UNTIL ADJACENT VEGETATION IS ESTABLISHED. TOPSOIL OR SEDIMENT MUST NOT BE PERMITTED TO WASH INTO TRENCH.



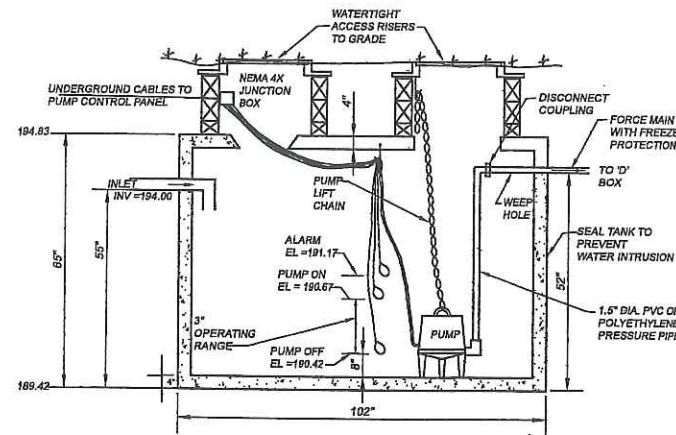
DUMPSTER SCREENING FENCE
N.T.S.



DUMPSTER PAD DETAIL
N.T.S.

PUMP AND PUMP CHAMBER SPECIFICATIONS:

- PUMP SHALL BE GOULDS LE97 1/2 HORSEPOWER OR EQUAL SUBMERSIBLE EFFLUENT PUMP.
- PUMP SOLIDS HANDLING CAPABILITY IS 3/4".
- DISCHARGE AND FORCE MAIN SHALL BE 1.5" IN DIAMETER.
- ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL.
- THE PUMP SHALL BE INSTALLED WITH A FLEXIBLE HOSE AND LIFTING CHAIN SO THAT THE PUMP CAN BE REMOVED WITHOUT HAVING TO DRAIN OR ENTER CHAMBER.
- THE 1000 GALLON PRECAST CONCRETE PUMP CHAMBER SHALL BE WATERTIGHT AS MANUFACTURED BY JOLLEY PRECAST OR EQUAL. THE ACCESS MANHOLES SHALL EXTEND UP TO THE FINISHED GRADE.
- FLOATS TO CONTROL PUMP ON, PUMP OFF, AND ALARM SHALL BE INSTALLED IN ACCORDANCE TO THE MANUFACTURERS SPECIFICATIONS.
- ALL CONTROLS SHALL BE ENCLOSED IN A NEMA 1 CONTROL PANEL WHICH SHALL BE INSTALLED INSIDE THE DAY CARE FACILITY.
- AN AUDIO AND / OR VISUAL HIGH WATER ALARM SHALL BE INSTALLED IN THE DAY CARE FACILITY.
- ALL MATERIALS, HARDWARE, AND EQUIPMENT SHALL MEET ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- INVERTS SHOWN ARE BASED ON THE PUMP AND TANK SPECIFIED.
- PUMP OFF LEVEL IS BASED ON AN ASSUMED MIN. LIQUID LEVEL OF 8".
- INVERTS SPECIFIED WILL PROVIDE THE FOLLOWING FOR A DAY CARE WITH A DESIGN FLOW OF 520 GPD:
DOSING VOLUME: 61 GALLONS*
DOSING FREQUENCY: 8.5 TIMES PER DAY
EMERGENCY STORAGE ABOVE ALARM LEVEL: 889 GALLONS
DOSING VOLUME RECOMMENDED BY ELJEN FOR THE INSTALLED 430-10 IS 7 GALLONS PER MODULE PER DOSE FOR THE 12" INSTALLATION. FOR THE 9 MODULES INSTALLED, THE ALLOWABLE DOSE IN 63 GALLONS.



1000 GALLON PUMP CHAMBER
N.T.S.

PERC. TEST RESULTS

TIME	READING
10:15	9"
10:25	10.5"
10:35	11.75"
10:45	12.75"
10:55	13.75"

HOLE DEPTH = 38"
PERC. RATE = 10.0 MINS/IN

TEST PIT RESULTS

OBSERVED BY: MAUREEN MARCOUX
DATE: 5-5-2009

PIT NO. 1

0-24" JUNK FILL
24-28" ORG. TOPSOIL
28-41" SANDY FINE
FINE ROOTS
41-80" COMPACT VERY
ROCKY VERY
FINE SAND

MOTTLING: N/A
RESTRICTIVE LAYER: 41"
LEDGE: N/A
WATER: N/A

PIT NO. 3

0-70" JUNK FILL
70-122" TOPSOIL
UNSATURABLE

MOTTLING: N/A
RESTRICTIVE LAYER: NA
LEDGE: N/A
WATER: N/A

PIT NO. 2

0-48" JUNK FILL
48-57" ORG. TOPSOIL ROOTS
57-70" SANDY LOAM
70-121" COMPACT LOAMY VERY
FINE SAND

MOTTLING: N/A
RESTRICTIVE LAYER: 70"
LEDGE: N/A
WATER: N/A

SEPTIC SYSTEM NOTES:

NDDH APPROVED A SEPTIC DESIGN FOR THIS PROPERTY FOR A RESIDENCE IN A LETTER DATED 6/16/2009. A LEACHFIELD AND SEPTIC TANK WERE SUBSEQUENTLY INSTALLED ON THE PROPERTY IN 2009. J & D CIVIL ENGINEERS PERFORMED AN AS-BUILT SURVEY OF THE COMPONENTS OF THE SYSTEM ON OCTOBER 15, 2009 AND FOUND THEM TO BE IN CONFORMANCE WITH THE DESIGN GRADES ON THE APPROVED PLAN. THE ORIGINAL APPROVED DESIGN GRADES ARE SHOWN IN BRACKETS. THE HOUSE WAS NEVER CONSTRUCTED.

AT THIS TIME A DAY CARE CENTER WITH A KITCHEN AND A LICENSE FOR UP TO 40 PUPILS IS PROPOSED. A B-100A "CHANGE OF USE" APPLICATION IS REQUIRED.

FOR DESIGN FLOW: AS PER THE TECHNICAL STANDARD FLOW IS 10 GPD/PUPIL PLUS 3 GPD/PUPIL KITCHEN FLOW WITH TABLE 7, PROBLEMATIC APPLICATION RATE

TOTAL DESIGN FLOW: 3 GPD X 40 PUPILS + 10 GPD X 40 PUPILS = 120+400 = 520 GPD

PERC RATE: 10 MINS/INCH

LEACHING AREA REQUIRED: TABLE 7 (PROBLEMATIC) FLOW PLUS TABLE 8 (NON-RESIDENTIAL, NON-PROBLEMATIC) FLOW = 120 GPD/0.8 GPD PER ELA PLUS 400 GPD/1.5 GPD PER ELA = 150 SF + 267 SF = 417 SF

LEACHING AREA ALREADY INSTALLED: 45' OF ELJEN MANTIS 430-10 TOP DIST. PIPE AT 11 SF/FT = 495 SQUARE FEET

MOTTLING: N/A, LEDGE: N/A, WATER: N/A, SLOPE: 6-8%; RESTRICTIVE: 41"

MLSS REQUIRED = 40.8' (HF=24, PF=1.0, FF=1.7)

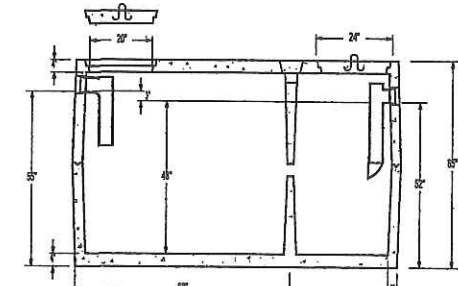
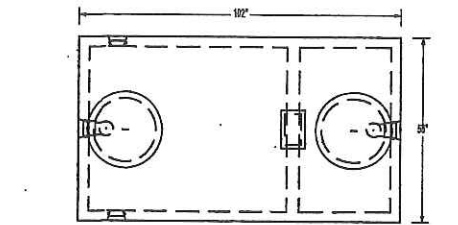
LSS PROVIDED, ALREADY INSTALLED = 45'

SEPTIC TANK: 1000 GALLON TWO COMPARTMENT TANK. THE EXISTING TANK WILL BE REMOVED AND A NEW TANK INSTALLED AS INDICATED.

A PUMP CHAMBER IS REQUIRED AS DETAILED ON THIS SHEET.

EROSION AND SEDIMENT CONTROL NOTES:

- THE PROPOSED ACTIVITY ON THE SITE WILL CONSIST OF THE CONSTRUCTION OF A SINGLE FAMILY HOUSE, WELL, SEPTIC SYSTEM AND DRIVEWAY.
- EROSION CONTROL DEVICES MUST BE INSTALLED WHERE INDICATED ON THIS SHEET PRIOR TO THE START OF CONSTRUCTION.
- DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SEEDED OR STABILIZED WITH TEMPORARY MULCH AS SOON AS FINAL GRADES HAVE BEEN ATTAINED.
- THE OWNER OF RECORD SHALL DESIGNATE THE ON SITE ENVIRONMENTAL AGENT RESPONSIBLE FOR REGULARLY CHECKING THE CONDITION OF THE EROSION CONTROL DEVICES AND REMOVING ACCUMULATED SEDIMENT.



DESIGN NOTES

- JOINTS TO BE SEALED WITH BUTYL RUBBER SEALANT
- INLETS AND OUTLETS TO HAVE STATE APPROVED SEALS
- USE 1" HEAVY DUTY TR F SPECIFIED
- MUST MEET ASTM C 1221-97
- CONCRETE STRENGTH SHALL BE 5000 PSL MIN. 28 DAYS

1000 GALLON TWO-COMPARTMENT SEPTIC TANK
N.T.S.

MAP 67 BLOCK 63 LOT 8A-1

**CHILD CARE FACILITY
DETAILS AND NOTES
PREPARED FOR
LISA AUDETTE
ROBBINS ROAD - THOMPSON, CT**

J&D CIVIL ENGINEERS, LLC
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DESIGNED: JJB REVISIONS:
DRAWN: DRB
JOB NO: 20258 DATE: JANUARY 6, 2021
SCALE: AS NOTED SHEET: 2 OF 3