

BOLTON INLAND WETLANDS COMMISSION
REGULAR MEETING
7:00 P.M., TUESDAY, APRIL 23, 2024
VIRTUAL MEETING VIA ZOOM

Inland Wetlands Commission Members Present Via Zoom: Chair Ross Lally, Vice Chair James Loersch, Member Diane Denunzio, Member David Lynn (7:10 p.m.), Alternate Member Michael McDonnell(seated). Absent: Andrew Gordon

Staff Present Via Zoom: Cameron Covill

Staff Present Via Zoom: Board Clerk Mary Johnston

Others Present Via Zoom: Mark Reynolds, Roger B., Vaughn Sprague, Austin Harmon

1. Approval of Agenda

D. Denunzio MOVED to approve the agenda. J. Loersch SECONDED. MOTION CARRIED 5:0:0.

2. Public Comment

2a. None

3. Approval of Minutes

3a. Regular Meeting Minutes – March 26, 2024

D. Denunzio MOVED to approve the Minutes. J. Loersch SECONDED. MOTION CARRIED 3:0:2 with J. Loersch and D. Lynn abstaining.

4. New Business

4a. #TH-24-1: Austin Harmon – 0 Watrous Rd. – Timber Harvest.

C. Covill displayed a map of the property and explained the proposed timber harvest for 0 Watrous Rd. M. McDonnell thought that some timber would be harvested in the wetlands according to the permit. A. Harmon replied that is correct. A. Harmon added more information to C. Covill's comments regarding the timber harvest. D. Denunzio asked if the two healthy ash trees would be harvested. A. Harmon replied yes. R. Lally added that there is the risk of those trees falling onto the trail. C. Covill asked A. Harmon if they intended to use a skidder or forwarder or a combination of both. A. Harmon replied it will depend on scheduling and weather. R. Lally asked about the skidder trails to which A. Harmon explained the skid trails that could affect the hiking trails. R. Lally stated he wanted to make sure that timber harvest is the only activity happening on this property that would need permitting.

J. Loersch MOVED approve the application #1TH-24-1 as submitted. M. McDonnell SECONDED. MOTION CARRIED 5:0:0.

4b. #1W-24-3: Mark Reynolds – 26 West St. – Construction of a Fire Pond.

M. Reynolds reviewed the proposed construction of a fire pond at 26 West St. and displayed a map showing the proposed project. M. Reynolds stated this project is to request from the Commission for the ability to disturb an area and excavate a pond to install a dry hydrant. This is to excavate the area and create a low berm on one side of the pond with a silt fence installed. Mr. Reynolds stated this pond could hold 45,000 gallons of water for fire protection at the site. M. McConnell asked what the evaluation of the pond is relative to the wetland. M. Reynolds replied the evaluation is around 85 or 86 and the bottom of the pond is 80. R. Lally about the plans to channel water runoff from the parking lot. M. Reynolds replied there are no plans for the water runoff. D. Denunzio asked if there was direct impact to the wetlands. M. Reynolds replied there is no direct impact to the wetlands proposed. R. Lally pointed out that the tree line will stay where it is. M. McConnell asked that the purpose of the pond is to draw down the pond water if there was a fire at the facility. M. Reynolds clarified that the only intent is for fire protection and that water would be available for town purposes. M. McDonnell asked about the purpose of the berm. M. Reynolds replied that the berm is to separate the pond from the wetlands. M. McConnell clarified that the berm is not to impound water, to which M. Reynolds replied yes. M. McConnell asked about water release during a storm. M. Reynolds replied there would be some runoff that has been incorporated into the project. The Commission asked for copies of the slides presented at the meeting. M. McConnell asked about the material used to line the pond. M. Reynolds replied that it will be dirt and seeded about the water line. C. Covill asked about ending the silt fence. M. Reynolds explained the purpose of silt fence is for the construction of the berm. C. Covill offered to email the three sheets to the Commission. M. McConnell would like to see more details of silt fence installation. This application will be considered at the May meeting as the Commission requested additional information.

4c. #1W-24-4: Vaughn Sprague – 8 Volpi Rd. – Construction of a 44’ X16’ Four-Season Room to the Back Side of the House.

C. Covill discussed this application and displayed a map of the proposed project. C. Covill reported there is a portion of a wetland located on a section of the property. R. Lally asked if there are any wetlands impacted from the proposed project with construction equipment moving through the yard. C. Covill requested that a silt fence with a little bit of wing off the corner of the house will catch any sediment. V. Sprague stated the driveway is paved and any soil dug up will be removed from the property. R. Lally asked about the type of foundation being proposed. V. Sprague replied it will be a full foundation to match the house. R. Lally wondered about the impact of the wetlands and if this requires a permit. J. Loersch MOVED to delegate to C. Covill to issue permit #1W-24-4, Construction of a 44’ x 16’ Four-Season Room to the back side of the house with two conditions: 1) install silt fence and 2) soil trucked offsite. D. Denunzio SECONDED. MOTION CARRIED 5:0:0.

5. Old Business

5a. #I-24-1: Town of Bolton – Lot Between 33 and 35 Keeney Dr. – Replacing Existing Catch Basin and Discharge Pipe Adjacent to 35 Keeney Dr.

C. Covill reported that he met Shawn Bailey and M. McDonnell at the site. M. McConnell will forward his list of concerns to S. Bailey for clarification. M. McDonnell reported they do not intend to start until July or August. C. Covill reported that it will be a quarter inch per foot pitch on the pipe going into the lake and 2 to 3 feet above the water. C. Covill also reported that a couple of catch basins will be located on Keeney Dr. No action was taken by the Commission. This application will be considered at the May Regular Meeting.

6. Wetlands Agent Report

C. Covill gave an update on 271 Hopp River Road, Gas Station – Permit #2022-5. C. Covill has not been able to inspect the site and asked if the Commission would like to meet at the site. J. Loersch stated he visited the site and that the silt fence looks good but there is trash located outside of the silt fence. C. Covill tentatively scheduled Tuesday afternoon next week to visit the site.

C. Covill reported there have been no changes to 1 Notch Road and he has not been out to inspect the site recently.

C. Covill reported that 9 Limon Road has begun work and that he will inspect the site on Friday.

C. Covill reported he visited 180 Bolton Center Rd. three weeks ago and noted the stockpiles have been spread. C. Covill asked the applicant to make repairs to the damaged silt fences. C. Covill will visit the site in the next week or two.

C. Covill reported the annual plant sales went very well and were a success.

7. Other

R. Lally announced that Andy Gordon must resign from the Commission due to health reasons and to submit a resignation letter. R. Lally will present M. McConnell to the Board of Selectmen next month as a full member of the Commission.

R. Lally asked if there were any updates on the updates to the Wetlands Regulations. R. Lally asked to revisit this item during the May meeting. C. Covill will resend the Wetland Regulations to the Commission and asked the Commission to send him their comments prior to the meeting. J. Loersch asked about the process of approving the regulations. R. Lally explained what the process is for approving the updated Wetlands Regulations. M. McConnell explained he compared South Windsor's regulations with Bolton's current regulations.

8. Adjournment: J. Loersch MOVED to adjourn the meeting at 8:28 p.m. D. Denunzio SECONDED. MOTION CARRIED 5:0:0.

Respectfully submitted by Mary J. Johnston

Mary J. Johnston

BOLTON INLAND WETLANDS COMMISSION
SPECIAL MEETING
7:00 P.M., TUESDAY, MAY 7, 2024
VIRTUAL MEETING VIA ZOOM

Inland Wetlands Commission Members Present Via Zoom: Chair Ross Lally, Member David Lynn, Alternate Member Diane DeNunzio, Alternate Member Michael McDonnell(seated). Absent: Vice Chair James Loersch

Staff Present Via Zoom: Wetlands Agent Cameron Covill

Staff Present Via Zoom: Board Clerk Mary Johnston

Others Present Via Zoom: Keith Niziankiewicz

1. Show Cause Hearing on Cease and Correct Order Issued May 1, 2024: Keith Niziankiewicz – 20 Rocco Rd.

C. Covill explained the Town received information that a regulated activity was being conducted without a wetland permit at 20 Rocco Road. Upon inspection, it was observed from the road that vegetation has been stripped from the hillside adjacent to the wetland and no erosion controls were in place. C. Covill reported the Town is requesting that K. Niziankiewicz cease all other work and correct the situation by installing and maintaining geotextile silt fence upslope of the wetland and applying hay or seed to the exposed soil. Any sediment which has entered the wetland shall be removed by hand and spread in an appropriate location outside of the wetland, in a location where erosion control can prevent it from re-entering the wetland. C. Covill displayed a photo taken from the address on April 30, 2024. K. Niziankiewicz stated that he will make the corrections to the work that has been by installing seed to the exposed soil. K. Niziankiewicz stated he has already installed a silt fence for erosion control. This item will be added to the May Regular Meeting agenda.

M. McDonnell MOVED to leave this violation enforced until the corrective actions which include bringing in topsoil and spreading it so as not to overwhelm the silt fence and putting down seed are satisfied. D. DeNunzio SECONDED. C. Covill requested that the extension of the silt fence be included in the motion. M. McDonnell and D. DeNunzio AMENDED the motion to include the extension of the silt fence. MOTION CARRIED 4:0:0.

3. Adjournment: M. McDonnell MOVED to adjourn the meeting at 7:31 p.m. D. Denunzio SECONDED. MOTION CARRIED 4:0:0.

Respectfully submitted by Mary J. Johnston

Mary J. Johnston



IW-24-5

Inland Wetlands

Status: Active

Submitted On: 4/30/2024

Primary Location

120 BIRCH MOUNTAIN RD
BOLTON, CT 06043

Owner

Barrett Quaglia
87 KENSINGTON ST
MANCHESTER, CT 06040

Applicant

Barrett Quaglia
 860-670-3842
 barrett.quaglia@gmail.com
 87 Kensington Street
Manchester, CT 06040

Internal Use

Conditions

Petition Received?

—

Date Received

—

**Date of Newspaper Publication of
Inland/Wetlands Commission Action**

—

Summary of Inland/Wetlands Commission Action

Bond Required?

—

Parcels Included in Project

MBL / Parcel ID

10000880

Additional Applicant Info

Applicant Type*

Owner

Permit Info

Type of Application*

New Application

Permit For*

Administrative Wetlands

Occupancy Type*

Residential (Single Family/Duplex)

Lots

–

Work Description* 

New single family residential

Development Title

 Comments

Distance from Inland Wetlands and Watercourses:

Proposed Distance

Requested Distance

—

—

Wetland / Watercourses Project Information

Size of Subject Property (acres)

Total area of wetlands to be affected by the activity (acres)

—

—

Open water body altered (acres)

Stream alternation (linear feet)

0

—

Buffer/upland area altered (acres)

Area of wetlands/watercourses restored, enhanced, or created (acres)

—

—

Described how the proposed activity affects wetlands, watercourses, and the regulated areas.

Described measures that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas.

Is there a Conservation or Preservation Restriction on the Property?

Is this an activity associated with a use for which you intend to apply to the Planning & Zoning Commission?

No

—

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

I understand that the Commission may require additional information at any time during the review of the application as described in Section 7.6 of the Inland Wetlands and Watercourses Regulations. *

The Applicant must ensure that this application is complete and conforms with the Inland Wetlands and Watercourses Regulations (available at the Land Use Office for \$10.00). Ten (10) copies of supporting documents must be provided. The Commission encourages the applicant to discuss any project with the Town Staff and/or the Commission before submitting an application. The Commission requests that applications be submitted at least one week before the meeting. *

The Agency shall monitor all Bolton wetland and watercourses and have enforcement powers as described in Section 14 of the Inland Wetlands and Watercourses Regulations. The Commission Members and designed agent(s) may make regular inspections upon reasonable notice of all regulated activities to investigate possible violations of the Inland Wetlands and Watercourses Regulations. *

If this application is filed with the Inland Wetlands Agent under Section 12.1 of the Inland Wetlands and Watercourses Regulations, the Applicant may appeal the Agent's decision according to the process described in section 12.2 of the Inland Wetlands and Watercourses Regulations. *

Attorney Info

Name

Address

City

State

Zip

Phone

Email

Engineer Information

Company Name

Engineer Name

Address

City

State

Zip

Phone

Registration #


Insurance Expiration

AOR

—

Email

Additional Project Info

 Date of Receipt

 Hearings Commencement Deadline

—

—

 Hearings Completion Deadline

 Decision Deadline

—

—

Total Acreage

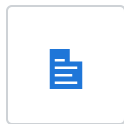
Distance to Town Line

—

Extended

Hearing Not Required

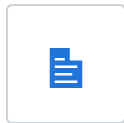
Attachments



List of Names and Addresses of Abutting Property Owners

abutting properties.pdf

Uploaded by Danielle Palazzini on May 7, 2024 at 3:08 PM



Key Map of Property

120 Birch Mtn Stamped Site Plan.pdf

Uploaded by Danielle Palazzini on May 7, 2024 at 3:04 PM

History

Date

Activity

5/7/2024, 3:09:06 PM

approval step Inland Wetlands was assigned to Cameron Covill on Record IW-24-5

5/7/2024, 3:09:05 PM

Danielle Palazzini approved approval step Application Review on Record IW-24-5

5/6/2024, 11:07:42 AM

altered payment step Permit Fee, changed sequence from "1" to "0" on Record IW-24-5

5/6/2024, 11:07:42 AM

Danielle Palazzini assigned approval step Application Review to Danielle Palazzini on Record IW-24-5

5/1/2024, 8:43:20 AM

approval step Application Review was assigned to Barbara Kelly on Record IW-24-5

5/1/2024, 8:43:19 AM





completed payment step Permit Fee on Record IW-24-5

4/30/2024, 6:16:26 PM

Barrett Quaglia submitted Record IW-24-5

Date	Activity
4/30/2024, 4:18:10 PM	Barrett Quaglia altered Record IW-24-5, changed ownerEmail from "" to "barrett.quaglia@gmail.com"
4/30/2024, 4:18:10 PM	Barrett Quaglia altered Record IW-24-5, changed ownerName from "" to "Barrett Quaglia"
4/30/2024, 4:18:10 PM	Barrett Quaglia altered Record IW-24-5, changed ownerPhoneNo from "" to "8606703842"
4/30/2024, 4:17:41 PM	Barrett Quaglia started a draft of Record IW-24-5

Timeline

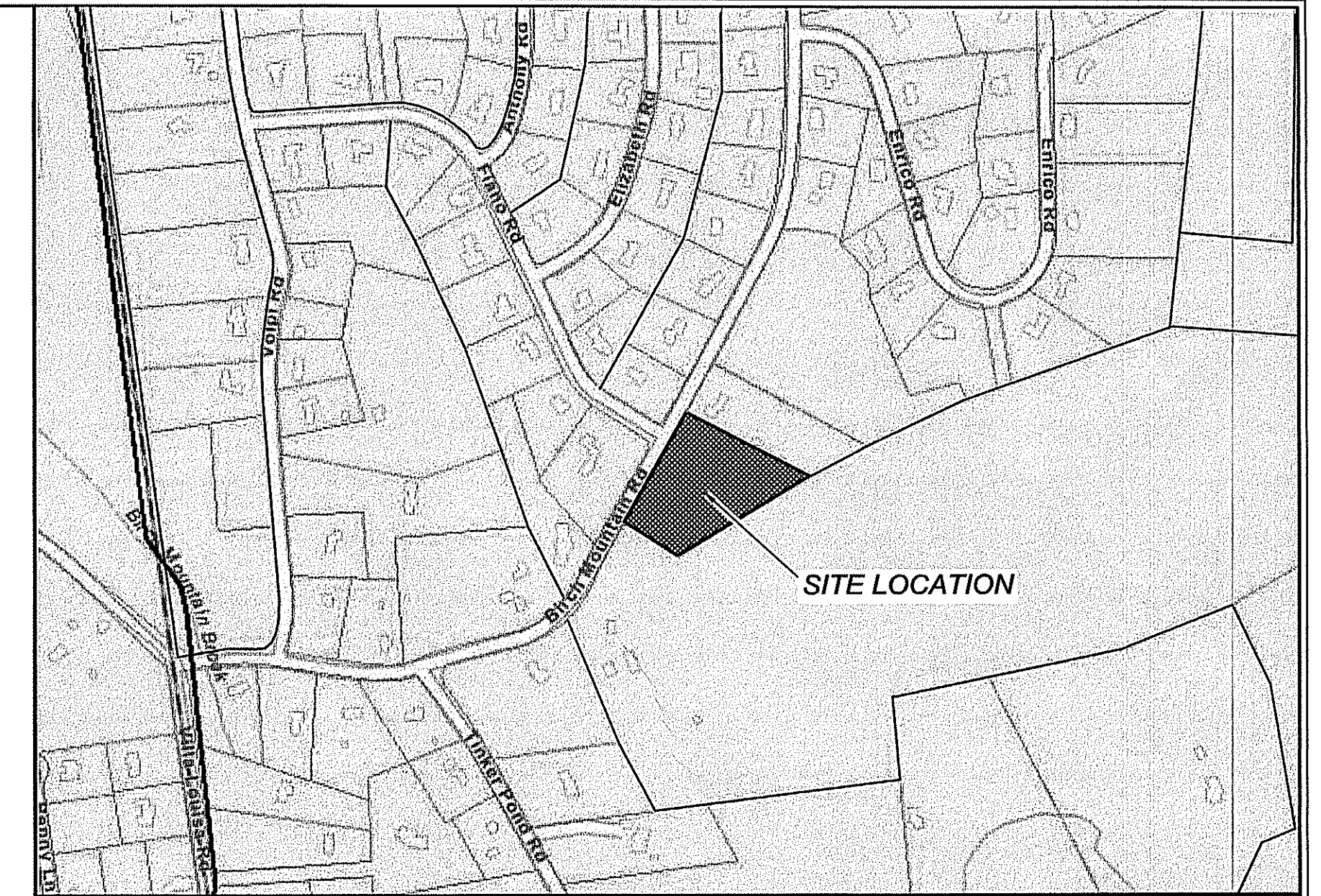
Label	Activated	Completed	Assignee	Due Date	Status
 Permit Fee	4/30/2024, 6:16:27 PM	5/1/2024, 8:43:18 AM	Barrett Quaglia	-	Completed
 Application Review	5/1/2024, 8:43:19 AM	5/7/2024, 3:09:05 PM	Danielle Palazzini	-	Completed
 Inland Wetlands	5/7/2024, 3:09:06 PM	-	Cameron Covill	-	Active
 Issue Permit	-	-	-	-	Inactive

N/F BARRETT QUAGLIA

LOT AREA = 65,637 SQ.FT.
1.507 ACRES

N/F CHRISTOPHER P. & LENNA S.
GONSALVES

N/F CHRISTOPHER P. & LENNA S.
GONSALVES



LOCATION MAP

HYDRAULIC FACTOR (HF)

HYDRAULIC GRADIENT (% OF SLOPE)	
<1	1-15
16-20	21-25
26-30	31-35
36-40	41-45
46-50	51-55
56-60	61-65
66-70	71-75
76-80	81-85
86-90	91-95
>95	>100

#1 - CANNOT BE APPROVED UNLESS HYDRAULIC ANALYSIS DEMONSTRATES SUSTAINABILITY

BASIS OF SANITARY DESIGN

4 BEDROOM HOUSE - 5.1-10 Min/In PERC RATE
577.5 SQ. FT. OF LEACHING AREA REQUIRED

USE 1 ROW OF GST 6212 GEOMATRIX 6' WIDE @ LENGTHS SHOWN
600 SQ. FT. OF LEACHING AREA PROVIDED

USE MINIMUM 1250 GALLON SEPTIC TANK.
HF 20 x FF 1.75 x PF 1.0 = MLSS 35

USE 1 ROW OF GST 6212 GEOMATRIX AT 10 SQ. FT. OF LEACHING PER LINEAL FT. x 60' = 600 TOTAL SQ. FT. OF LEACHING AREA PROVIDED

REFERENCE NOTE

THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. AMENDED ON OCTOBER 26, 2018.

THE TYPE OF SURVEY IS A "IMPROVEMENT LOCATION SURVEY."
THE BOUNDARY DETERMINATION CATEGORY IS "DEPENDENT RESURVEY."
THE HORIZONTAL ACCURACY CONFORMS TO "A-2 STANDARDS."
THE VERTICAL ACCURACY CONFORMS TO "T-2 STANDARDS."

MAP REFERENCE

BOUNDARY SURVEY - BROADS PROPERTY - BIRCH MOUNTAIN ROAD - BOLTON, CONNECTICUT - SCALE 1" = 40' - JULY 30, 1988 - MAP PREPARED FOR ELAINE & FRED BARBERO - 146 BIRCH MOUNTAIN ROAD - BOLTON, CONNECTICUT 06043 - BY RONALD A. HEIM R.L.S.

SEE SHEET 2 OF 2 FOR SOILS DATA, DETAILS, EROSION CONTROL NOTES AND GENERAL NOTES

LEGEND

- ⊙ IRON PINS RECOVERED
- STONEWALLS
- /— SILTFENCE BARRIER
- POWER POLES
- ◆ DEEP TEST PITS
- - - EXISTING CONTOURS
- - - PROPOSED CONTOURS
- ~ TREELINES
- - - BUILDING SETBACK LINES
- PERC TESTS



BIRCH MOUNTAIN ROAD

750

BUILDING SETBACK LINE

PROPOSED HOUSE LOCATION
4 BEDROOM

GARAGE

PROPOSED DRIVEWAY

APPROXIMATE LOCATION OF UNDERGROUND UTILITIES

MATERIAL STOCKPILE AREA

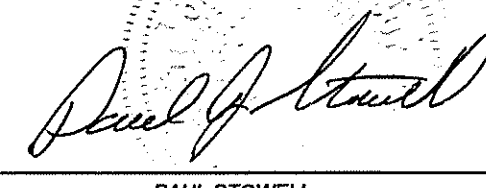
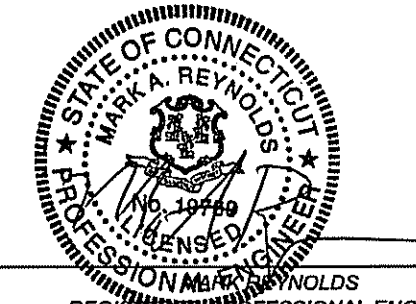
PROPOSED HOUSE LOCATION
TOP OF FOUNDATION ELEV. = 746.00
BASEMENT SLAB ELEV. = 737.00
GARAGE SLAB ELEV. = 745.00

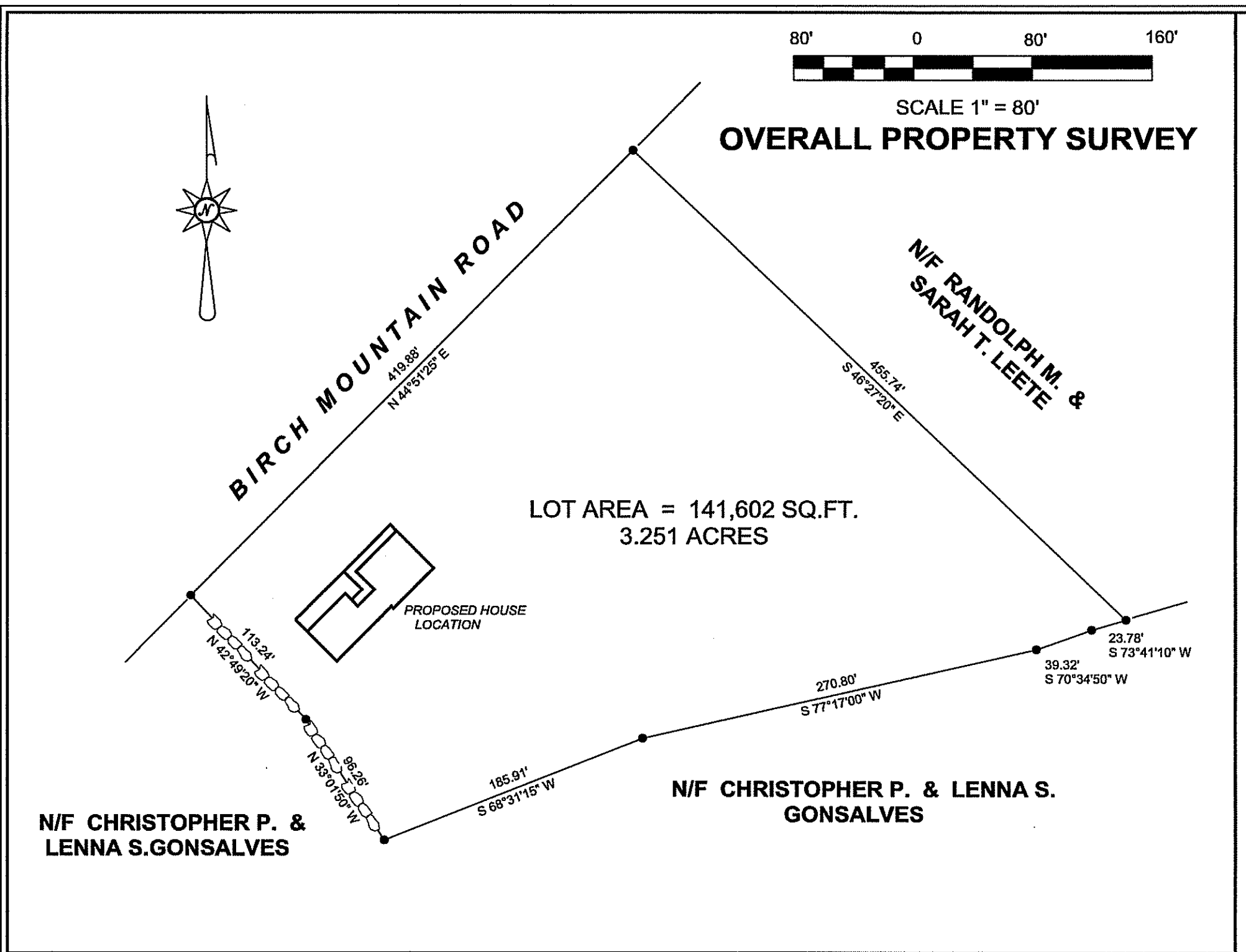
PROPOSED 1250 GALLON SEPTIC TANK
FLOWLINE INTO TANK ELEV. = 732.75
FLOWLINE OUT TANK ELEV. = 732.50

PROPOSED PRIMARY LEACHING TRENCH
EXISTING GRADE AT TRENCH = 732.00
BOTTOM OF TRENCH ELEV. = 730.67
FLOWLINE OF TRENCH ELEV. = 731.67
FINISHED GRADE ELEV. = 732.5

PROPOSED RESERVE LEACHING TRENCH
USE 1 ROW OF GST 6212 GEOMATRIX AT
10.0 SQ. FT. OF LEACHING PER LINEAL
FT. x 60' = 600 SQ. FT. OF LEACHING

PROJECT BENCHMARK - TOP OF IRON PIN AT LOT CORNER - ASSUMED ELEV. = 748.68 - ELEV. TO BE TRANSFERRED TO SYSTEM AREA AT TIME OF STAKEOUT

<p>NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE IMPRESSION (EMBOSSED) SEAL OF THE PROFESSIONAL WHERE SIGNATURE APPEARS HEREON.</p> <p>COPYRIGHT 2014</p> <p>McMINN ASSOCIATES LAND DEVELOPMENT CONSULTANTS, SURVEYORS, MAP MAKERS. ALL RIGHTS RESERVED. UNAUTHORIZED DUPLICATION OR MODIFICATION IS A VIOLATION OF APPLICABLE LAWS.</p>	<p>TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.</p>  <p>PAUL STOWELL REGISTERED LAND SURVEYOR - L.S. LIC. No. 70216</p>	 <p>PAUL STOWELL REGISTERED PROFESSIONAL ENGINEER P.E. LIC. No. 19189</p>	<p>McMINN ASSOCIATES LAND USE CONSULTANTS PAUL STOWELL REG. LAND SURVEYOR 171 WILCOX ROAD MILFORD, CONNECTICUT</p> <p>(860) 682-0163 - (860) 537-0046</p>	<p>REVISIONS</p> <table border="1"> <tr><th>No.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	No.	DATE	DESCRIPTION										<p>PLOT PLAN PREPARED FOR BARRETT QUAGLIA 120 BIRCH MOUNTAIN ROAD BOLTON, CONNECTICUT DATE MARCH 27, 2024 - SCALE 1" = 20' SHEET 1 OF 2</p>	<p>SHEET 1 OF 2</p> <p>1/2</p> <p>JOB No. 22-047</p>
				No.	DATE	DESCRIPTION												
<p>Traverse PC</p>																		



GENERAL NOTES

PRIMARY AND RESERVE AREAS ARE TO BE PROTECTED FROM COMPACTION AND DAMAGE BY MACHINERY AND EQUIPMENT DURING CONSTRUCTION.

ADDITIONAL TEST PITS MAY BE REQUIRED TO CONFIRM SOIL CONDITIONS IN THE AREA OF THE PRIMARY AND RESERVE LEACHING FIELDS. PITS ARE TO BE DUG PRIOR TO THE START OF CONSTRUCTION OF THE SEPTIC SYSTEM AND ARE TO BE STAKED IN THE FIELD BY ENGINEER TO ENSURE PROPER LOCATION.

DISTRIBUTION BOXES TO BE INSTALLED TO CREATE A HIGH LEVEL OVERFLOW (4" MIN) SEPTIC SYSTEM SHALL CONFORM TO THE CURRENT STATE OF CONNECTICUT PUBLIC HEALTH CODE.

IF FIELD CONDITIONS (MOTTLING, LEDGE OR GROUNDWATER) ARE ENCOUNTERED AT SHALLOWER DEPTH THAN THOSE SHOWN IN THE DEEP TEST HOLE RESULTS, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY AND CONSTRUCTION HALTED UNTIL FURTHER DIRECTED.

SDR 35 TIGHT PIPE FROM TANK TO D. BOX AND BETWEEN D. BOXES.

CONTOURS TAKEN FROM ON SITE FIELD TOPOGRAPHY AND ARE TO T-2 STANDARDS.

REQUIRED FILL SPECIFICATIONS

ALL LEACHING PRODUCTS WITH EFFECTIVE LEACHING CREDITS OF 7.4 SF/LF AND HIGHER SHALL NOT BE UTILIZED WHERE THE UNDERLYING NATURALLY OCCURRING SOILS HAVE A MINIMUM PERCOLATION RATE SLOWER THAN THIRTY (30) MINUTES PER INCH.

SELECT FILL MATERIAL AND SELECT BACKFILL MATERIAL, PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPOSED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL AND MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA.

- THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCHES.
- 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).
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.

THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	PERCENT PASSING
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50%	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

WET SIEVE TEST

THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING SELECT MATERIAL IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVERCOMPACTION AND SILTATION ONCE EXPOSED.

NOTE: WATER TREATMENT DEVICES NOT TO DISCHARGE INTO SEPTIC SYSTEM.

CONSTRUCTION NOTES

NO CHANGE IN PLAN LOCATION OR ELEVATION SHALL BE MADE WITHOUT NOTIFYING THE ENGINEER AND THE PROPER TOWN AUTHORITY.

THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO SET LOCATION AND GRADE STAKES FOR THE SUBSURFACE SEWAGE DISPOSAL SYSTEM TO INCLUDE: FILL MATERIAL, SEPTIC TANK, PRIMARY LEACH SYSTEM, SIMILAR STAKING REQUIRED FOR ALL CURTAIN AND FOUNDATION DRAINS AND WELLS.

NO SOIL STRIPPING OR EXCAVATION SHALL BEGIN WITHIN THE AREA OF THE SUB-SURFACE SEWAGE DISPOSAL SYSTEM WITHOUT A VALID CONSTRUCTION PERMIT.

A LICENSED SEWAGE DISPOSAL SYSTEM INSTALLER SHALL OBTAIN A CONSTRUCTION PERMIT AND ARRANGE FOR THE SITE INSPECTION PRIOR TO CONSTRUCTION. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE, AND LOCAL RULES, REGULATIONS AND CODES.

TOPSOIL TO BE STRIPPED AND STOCKPILED PRIOR TO ANY FILLING. SCARIFY AREA BEFORE FILLING. NO VEHICLE TRAFFIC BY RUBBER TIRE VEHICLES TO MINIMIZE COMPACTION. PLACE FILL AT EDGE OF PREPARED AREA AND SPREAD WITH BULLDOZER IN 8" LIFTS AND COMPACT TO 90% MAXIMUM DENSITY.

SANITARIAN TO INSPECT ANY FILL OVER 24" DEEP PRIOR TO CONSTRUCTION.

TRENCH BOTTOMS SHALL BE LEVEL AND SET TO FOLLOW CONTOURS OF EXISTING GRADE.

NO CONSTRUCTION BELOW ORIGINAL GRADE IN THE LEACHING SYSTEM AREA SHALL TAKE PLACE WITHIN 48 HOURS OF A RAINSTORM OR WITH STANDING PUDDLES.

ALL FOOTING DRAINS, CURTAIN DRAINS AND SUBSURFACE SEWAGE DISPOSAL SYSTEM COMPONENTS SHALL BE INSPECTED BY THE TOWN AND LOCATED "AS-BUILT" BY THE ENGINEER AND SURVEYOR PRIOR TO COVERING. INSPECTION SHALL BE WITHIN 2 WORKING DAYS FOLLOWING TIMELY NOTIFICATION BY THE CONTRACTOR TO PROTECT OPEN WORK FROM SILTATION AND EROSION.

ALL DISTURBED AREAS SHALL BE GRADED, LOADED, AND SEEDED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IF SEEDING CANNOT TAKE PLACE DURING THE GROWING SEASON, A TEMPORARY MULCH COVER SHALL BE PLACED AND MAINTAINED UNTIL PERMANENT COVER CAN BE ESTABLISHED.

A LICENSED WELL DRILLER SHALL OBTAIN A PERMIT PRIOR TO ANY DRILLING. THE WELL SHALL BE PROVIDED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STATE AND LOCAL REGULATIONS AND CODES.

SATISFACTORY COMPLETION OF ALL THE ABOVE REQUIREMENTS SHALL PRECEED THE FINAL INSPECTION AND APPROVAL OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM AND WELL.

EROSION CONTROL NOTES

GENERAL REQUIREMENTS FOR EROSION CONTROL:

SEEDING, SODDING, OR REVEGETATION PLANS AND SPECIFICATIONS FOR ALL UNPROTECTED OR UNVEGETATED AREAS SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.

EXCAVATIONS, FILLS AND GRADING:

CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 UNLESS STABILIZED BY A RETAINING WALL OR CRIBBING, EXCEPT AS APPROVED BY THE COMMISSION UNDER SPECIAL CONDITIONS.

ADADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATER FROM DAMAGING THE CUT FACE OF EXCAVATION OR THE SLOPING SURFACES OF FILLS.

CUT AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.

FILL SHALL BE PLACED AND COMPACTED SO AS TO MINIMIZE SLIDING OR EROSION OF THE SOIL.

GRADING SHALL NOT BE DONE IN SUCH A WAY SO AS TO DIVERT WATER ONTO THE PROPERTY OF ANOTHER LANDOWNER WITHOUT THE EXPRESSED CONSENT OF THAT LANDOWNER AND THE COMMISSION.

FILLS SHALL NOT ENROACH ON THE NATURAL WATERCOURSES OR CONSTRUCTED CHANNELS.

DURING GRADING OPERATIONS, NECESSARY MEASURES FOR DUST CONTROL SHALL BE EXERCISED.

GRADING OPERATIONS WILL NOT BE ALLOWED TO CROSS LIVE STREAMS EXCEPT BY MEANS OF BRIDGES AND CULVERTS OR OTHER METHODS AS APPROVED BY THE COMMISSION.

IMPLEMENTATION PROCEDURES:

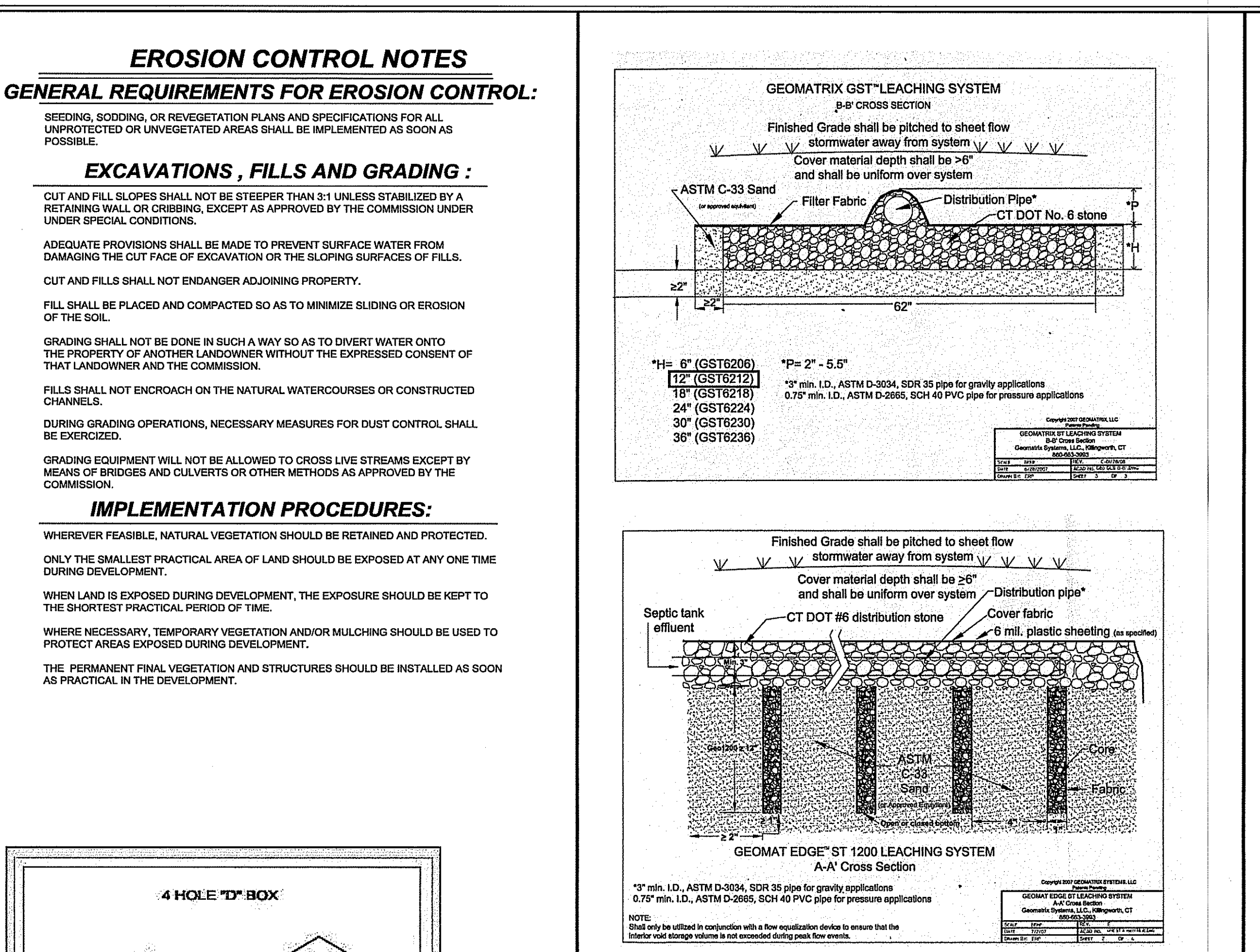
WHEREVER FEASIBLE, NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.

ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT.

WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.

WHERE NECESSARY, TEMPORARY VEGETATION AND/OR MULCHING SHOULD BE USED TO PROTECT AREAS EXPOSED DURING DEVELOPMENT.

THE PERMANENT FINAL VEGETATION AND STRUCTURES SHOULD BE INSTALLED AS SOON AS PRACTICAL IN THE DEVELOPMENT.

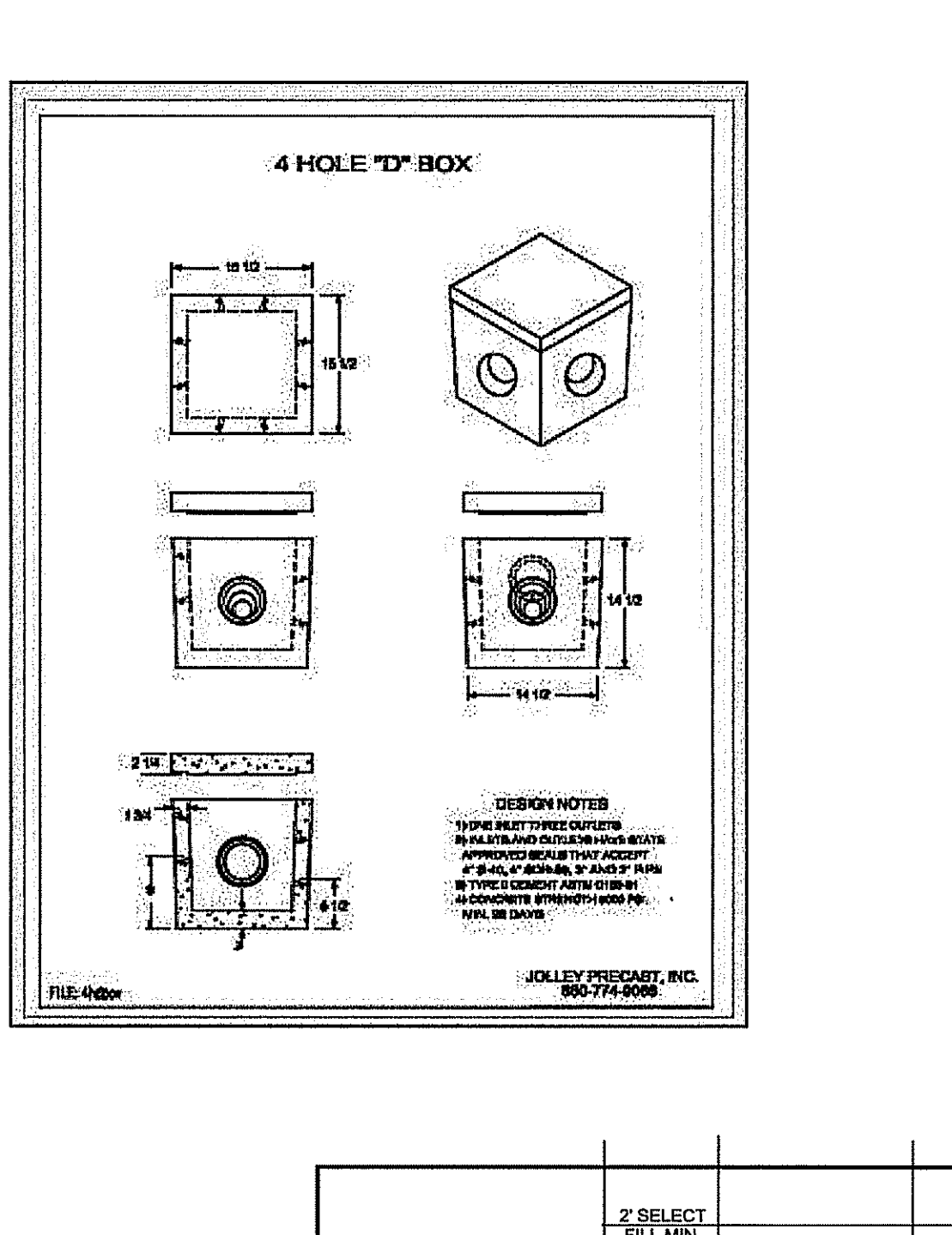
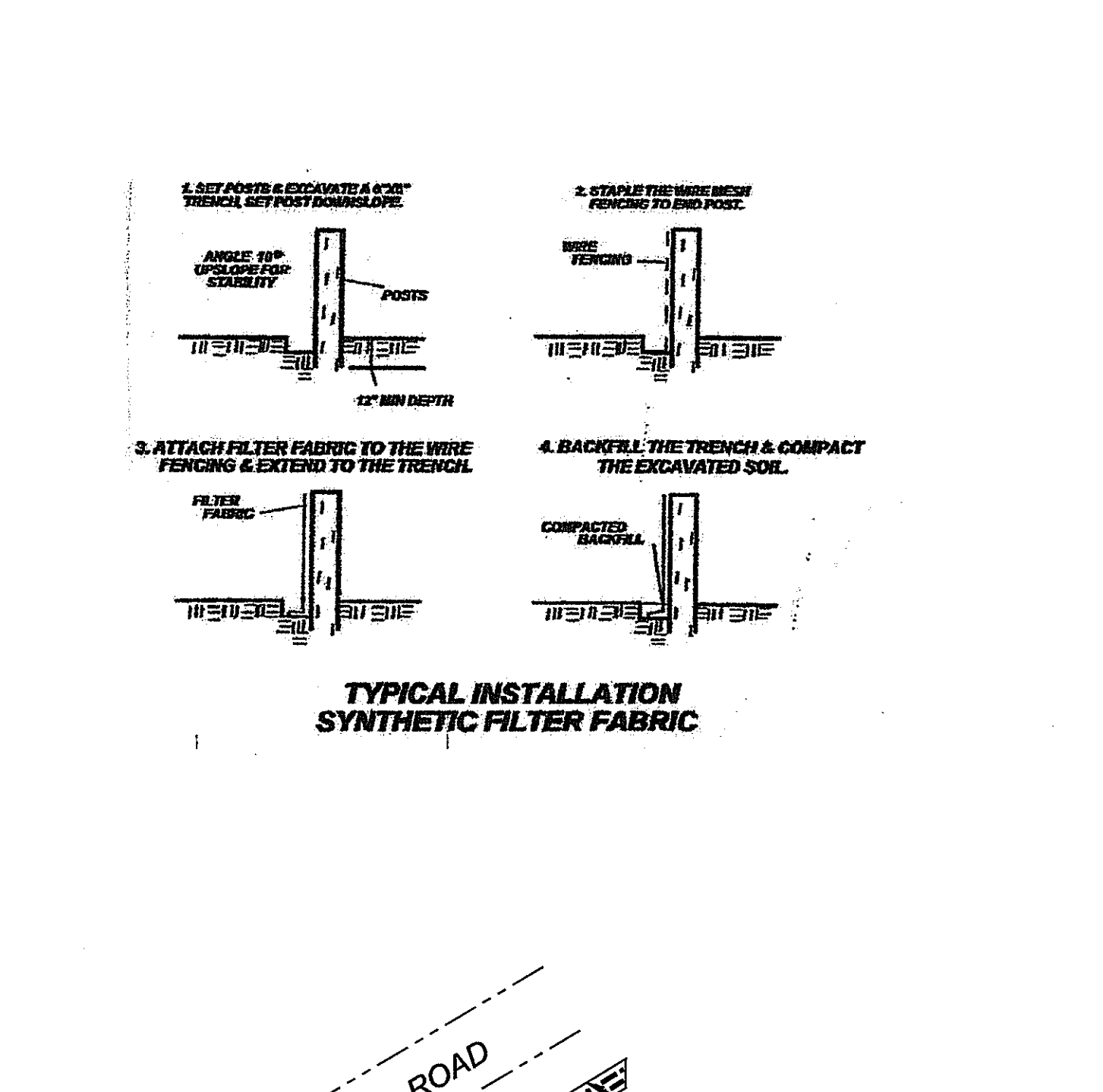
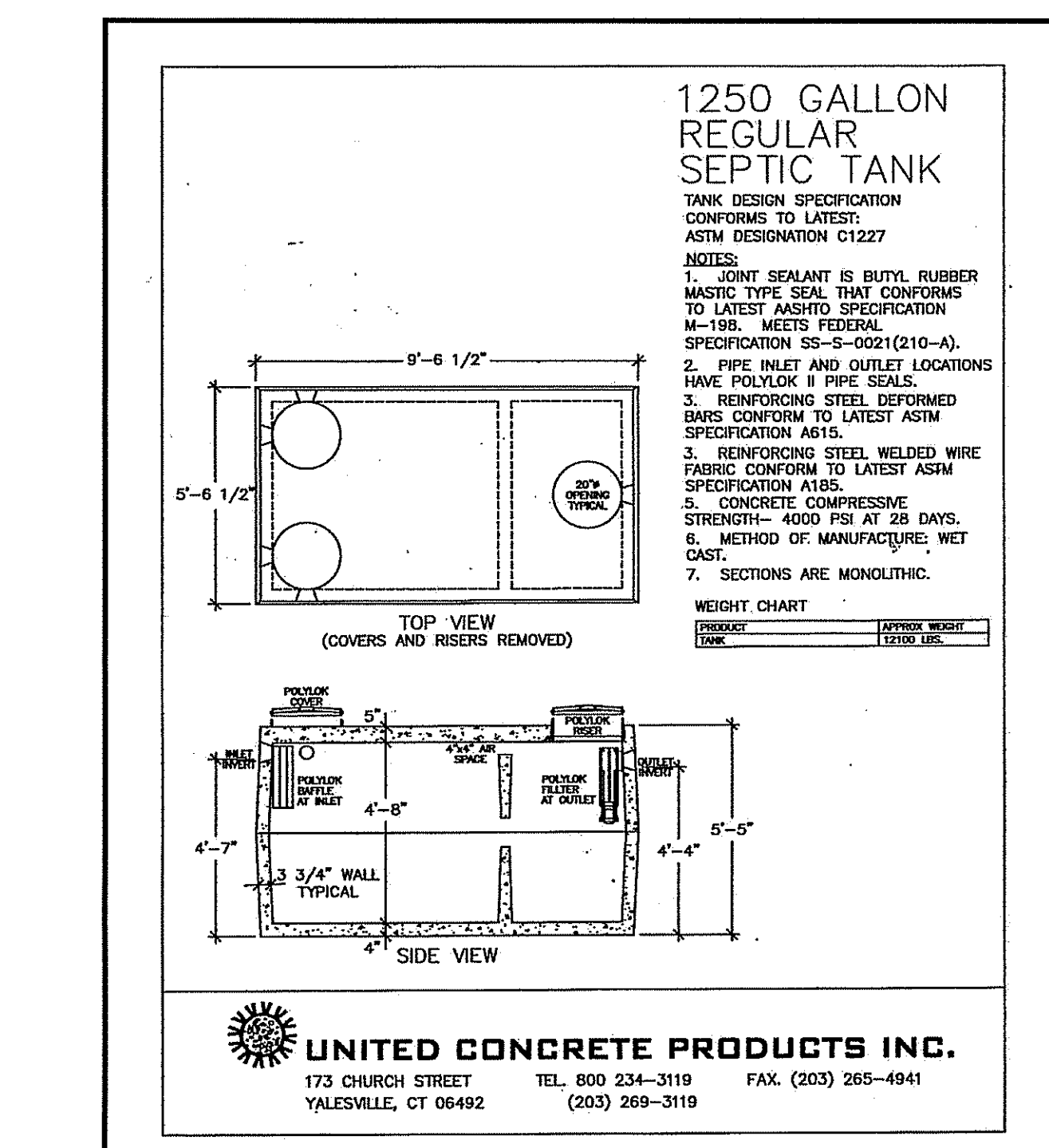


Eastern Highlands Health District
South England Road Phone: (203) 439-3333 Fax: (203) 439-3331 Web: www.ehd.net

Town: Bolton
INVESTIGATION FOR SEWAGE DISPOSAL SYSTEM

Owner: Barrett Quaglia
Location: 120 BIRCH MOUNTAIN RD
Date of testing: October 11, 2022

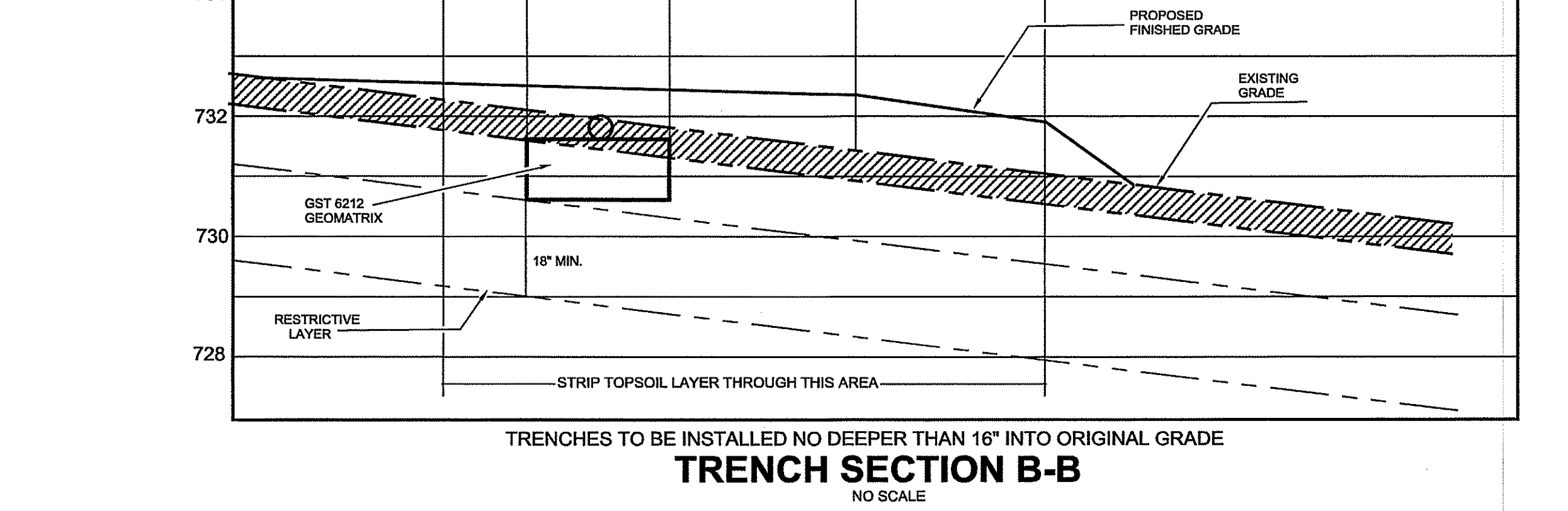
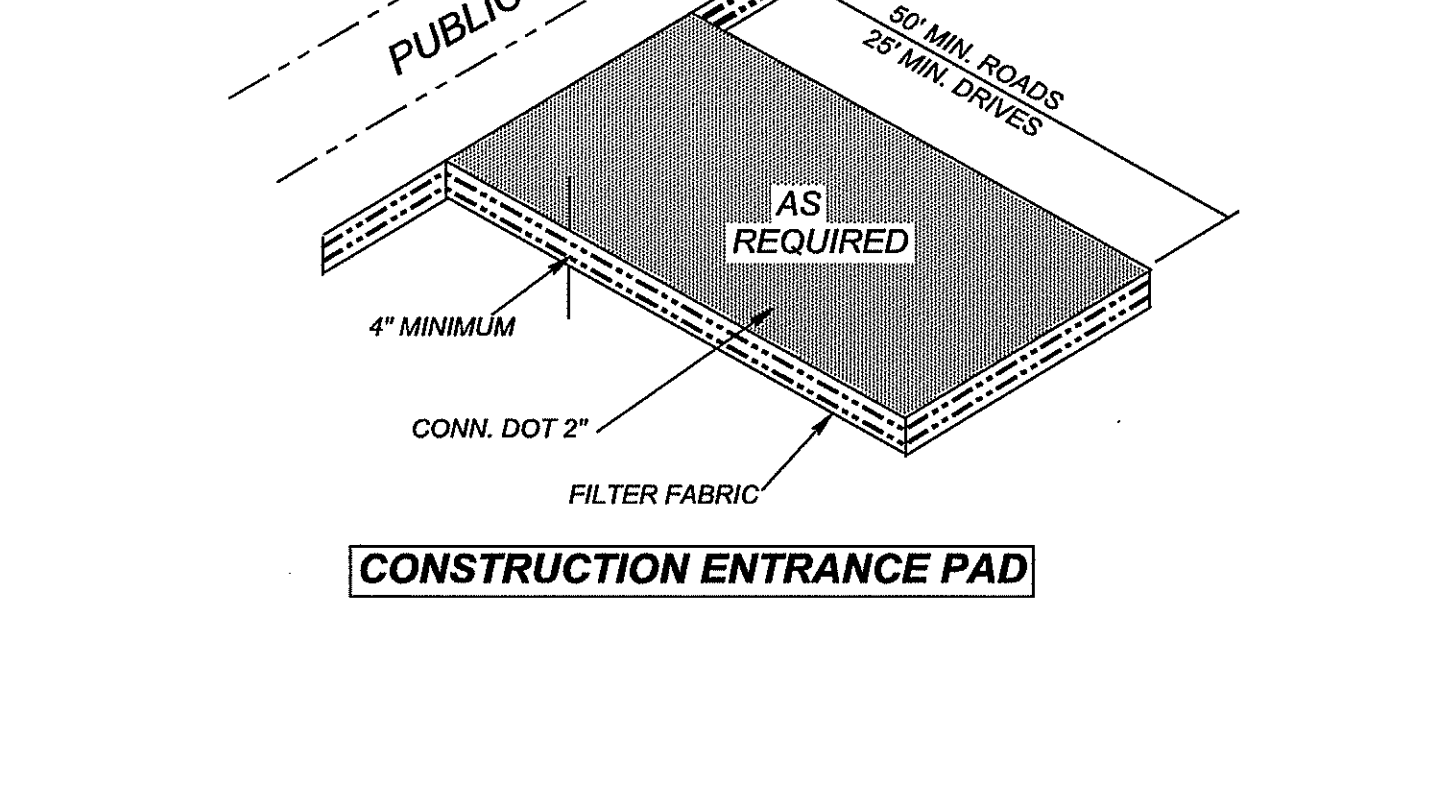
Rate min/in	Rate min/in
Test Pit TH1 Ledge None Mottling 34"	Test Pit TH3 Ledge 75" Mottling 34"
0-8" 0-34" 34-72"	0-7" 7-24" 24-34" 34-75"
Top Soil Gr Fine Sandy Loam Tan/Br Decomposed Rock Sand with Some Silt Compact	Top Soil Gr Silty Sandy Loam Rd/Br Fine and Medium Sand Gr Decomposed Rock Fine and Medium Sands Little Silt Compact
Test Pit TH2 Ledge 71" Mottling 34"	Test Pit TH4 Ledge Mottling Roots
0-7" 7-23" 23-34" 34-79"	0-7" 7-23" 23-34" 34-79"
Top Soil Gr Fine Sandy Loam Gr/Br Decomposed Rock Gr Fine and Medium Sand with Silt Compact	Top Soil Gr Fine Sandy Loam Gr/Br Decomposed Rock Gr Fine and Medium Sand with Silt Compact



PERC TEST DATA

PERC TEST No. 1	PERC TEST No. 2
TAKEN ON 11/4/22	TAKEN ON 11/4/22
NAIL DOWN 2"	NAIL DOWN 2"
DEPTH 24"	DEPTH 25"
PRESOAK AT 9:22	PRESOAK AT 9:37
TIME	TIME
12:49	12:56
DROP 0"	DROP 0"
12:59	1:06
2 3/4"	2 7/8"
1:09	1:16
5 1/8"	5"
1:19	1:26
7"	7"
1:29	1:36
8 1/2"	8 5/8"
1:39	1:46
10"	9 7/8"
1:49	1:56
11 1/4"	11"
1:59	2:06
12 1/2"	12 1/8"
PERC RATE = 8.0 MIN / IN	PERC RATE = 8.88 MIN / IN

PERC TESTS TAKEN BY McMINN ASSOCIATES



NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE IMPRESSION (EMBOSSED) SEAL OF THE PROFESSIONAL, WHERE SIGNATURE APPEARS HEREON.

COPYRIGHT 2024

McMINN ASSOCIATES LAND DEVELOPMENT CONSULTANTS, SURVEYORS, MAP MAKERS. ALL RIGHTS RESERVED. UNAUTHORIZED DUPLICATION OR MODIFICATION IS A VIOLATION OF APPLICABLE LAWS.

McMINN ASSOCIATES
LAND USE CONSULTANTS
PAUL STOWELL REG. LAND SURVEYOR
171 WILCOX ROAD
MILFORD, CONNECTICUT

(860) 682-0163 - (860) 537-0046

REVISIONS	No.	DATE	DESCRIPTION

DETAILS, SOILS DATA GENERAL NOTES AND EROSION CONTROL NOTES

PROPERTY OF & PREPARED FOR
BARRETT QUAGLIA
120 BIRCH MOUNTAIN ROAD
BOLTON, CONNECTICUT
DATE MARCH 27, 2024 - SHEET 2 OF 2

SHEET 2 OF 2

JOB No. 22-047

ABUTTING PROPERTIES

LEETE RANDOLPH M + SARAH T

116 BIRCH MTN RD

BOLTON, CT 06043

GONSALVES CHRISTOPHER P & LENNA S. & SURV

134 BIRCH MOUNTAIN RD

BOLTON, CT 06043

QUAGLIA BARRETT

87 KENSINGTON ST

MANCHESTER, CT 06040