

**Brooklyn Inland Wetlands Commission  
Regular Meeting Agenda  
Tuesday, June 9, 2020  
Clifford B. Green Memorial Center  
69 South Main Street  
6:00 p.m.**

**To join this meeting via the web or phone, follow the below instructions:**

**Web**

**[www.webex.com](http://www.webex.com)**

**On the top right, click Join**

**Enter meeting information: 715450584**

**Enter meeting password: TrEEs2536**

**Click join meeting**

**Phone**

**Dial 1-408-418-9388**

**Enter meeting number 715450584**

**You can bypass attendee number by pressing #**

**Call to Order:**

**Roll Call:**

**Seating of Alternates:**

**Public Commentary:**

**Additions to Agenda:**

**Approval of Minutes:**

**I. Regular Meeting Minutes March 10, 2020.**

**Continued Public Hearing:**

**Public Hearings:**

**1. 021120B Vachon Brooklyn, LLC, 512 Providence Road, Map 41, Lot 13A/14, PC Zone; Construction of (2) 16 ft. wide access driveways to access proposed new vehicle storage lots. Drive to the larger of the two proposed parking areas will be in an area historically used for an agricultural crossing. (public hearing suspended due to COVID 19)**

**Old Business:**

**1. 021120B Vachon Brooklyn, LLC, 512 Providence Road, Map 41, Lot 13A/14, PC Zone; Construction of (2) 16 ft. wide access driveways to access proposed new vehicle storage lots. Drive to the larger of the two proposed parking areas will be in an area historically used for an agricultural crossing. (public hearing suspended due to COVID 19)**

**2.. 121019A Hearing for violation at 260 Woodward Road, Owner Richard and Sandra Duval. Cease and Desist order on 12/2/19 for site work consisting of excavating material from the channel of Sandy Brook, excavating material from an existing ford in Sandy Brook, and depositing excavated material on the bank of Sandy Brook, in the upland review area and/or wetlands.**

**3. 031020A Darko Krsulic/Owner, Evan Sigfridson/Applicant 293 Hartford Rd, Map 16, Lot 39, RA Zone; Demolish remainder of collapsed coop, dig and pour frost walls for proposed 24 x 32 ft accessory building.**

4.. 031020B Jeffrey Weaver, Day Street, Map 43, Lot 6, RA/R30 Zone; 6 lot subdivision, work in upland review area, septic system, driveway, residential house, well, minor grading.

**New Business:**

1. Ernest Robillard, 509 Hartford Road, Agricultural exemption for two new barns near pond.
2. 051220A Patrick Riley, 211 Windham Road, Map 8, Lot 6-3, RA Zone; Construction of single-family dwelling, driveway, well, septic system, grading, tree clearing within 85 feet of a wetland.
3. DR20-002 Grant Hill Road, Map 4, Lot 4 Timber Harvest, Michael Sokolowsky/Owner, Donald Dubois/Forester

**Communications:**

1. Budget Update.
2. Wetlands Agent Monthly Report.

**Public Commentary:**

**Adjourn:**

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Jeffrey Arends, Chairman

## ADDITIONS TO THE AGENDA 6/9/20

Applications to be added under new business as # 4, 5, 6

4) 060920A Paul R. Lehto, Allen Hill Road, Map 32, Lot 148 RA Zone; Excavation of sand and gravel

5) 060920B VBL Properties, LLC Beecher Road, Map 22, Lot 38, RA Zone; 5-Lot Subdivision

6) 060920C A. Kausch & Sons, Tripp Hollow Road, Map 15, Lot 4, RA Zone; 2 lot subdivision; single family homes, driveways, septic, well and minor grading.

RECEIVED

JUN 03 2020

INLAND WETLANDS & WATERCOURSES COMMISSION  
TOWN OF BROOKLYN, CONECTICUT

Date \_\_\_\_\_

Application # 06D92DA

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT Paul R. Lehto MAILING ADDRESS 40 Almada Drive, Brooklyn, CT 06234  
APPLICANT'S INTEREST IN PROPERTY owner PHONE 860-208-9789 EMAIL nzeh100@gmail.com

PROPERTY OWNER IF DIFFERENT \_\_\_\_\_ PHONE \_\_\_\_\_  
MAILING ADDRESS \_\_\_\_\_ EMAIL \_\_\_\_\_

ENGINEER/SURVEYOR (IF ANY) Provost & Rovero, Inc., P.O. Box 191, Plainfield, CT 06374  
ATTORNEY (IF ANY) \_\_\_\_\_

PROPERTY LOCATION/ADDRESS Allen Hill Road  
MAP # 32 LOT # 148 ZONE RA TOTAL ACRES 71.34 ACRES OF WETLANDS ON PROPERTY 4+/-

PURPOSE AND DESCRIPTION OF THE ACTIVITY Excavation of sand and gravel.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WETLANDS EXCAVATION AND FILL:  
FILL PROPOSED 0 CUBIC YDS 0 SQ. FT. \_\_\_\_\_  
EXCAVATION PROPOSED 0 CUBIC YDS 0 SQ. FT. \_\_\_\_\_  
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE \_\_\_\_\_ OFF SITE \_\_\_\_\_  
TOTAL REGULATED AREA ALTERED: SQ. FT. 0 ACRES 0

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): none  
\_\_\_\_\_  
\_\_\_\_\_

MITIGATION MEASURES (IF REQUIRED): WETLANDS/WATERCOURSES CREATED: CY 0 SQFT 0 ACRES 0

IS PARCEL LOCATED WITHIN 500FT OF AN ADJOINING TOWN? no IF YES, WHICH TOWN(S) \_\_\_\_\_  
IS THE ACTIVITY LOCATED WITHIN THE WATERSHED OF A WATER COMPANY AS DEFINED IN CT GENERAL STATUTES 25-32A? no

THE OWNER AND APPLICANT HEREBY GRANT THE BROOKLYN IWWC, THE BOARD OF SELECTMAN AND THEIR AUTHORIZED AGENTS PERMISSION TO ENTER THE SUBJECT PROPERTY FOR THE PURPOSE OF INSPECTION AND ENFORCEMENT OF THE IWWC REGULATIONS OF THE TOWN OF BROOKLYN. IF THE COMMISSION DETERMINES THAT OUTSIDE REVIEW IS REQUIRED, APPLICANT WILL PAY CONSULTING FEE.

NOTE: DETERMINATION THAT THE INFORMATION PROVIDED IS INACCURATE MAY INVALIDATE THE IWWC DECISION AND RESULT IN ENFORCEMENT ACTION.

APPLICANT: Paul Lehto DATE 5/20/2020  
OWNER: Paul Lehto DATE 5/20/2020



RECEIVED

JUN 04 2020

INLAND WETLANDS & WATERCOURSES COMMISSION  
TOWN OF BROOKLYN, CONECTICUT

Date 6/4/20

Application # 060920B

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT VBL Properties LLC MAILING ADDRESS 8 Finn Lane Plainfield CT 06374  
APPLICANT'S INTEREST IN PROPERTY OWNER PHONE 860-823-9597 EMAIL \_\_\_\_\_

PROPERTY OWNER IF DIFFERENT \_\_\_\_\_ PHONE \_\_\_\_\_  
MAILING ADDRESS \_\_\_\_\_ EMAIL \_\_\_\_\_

ENGINEER/SURVEYOR (IF ANY) Paul Archer (Archer Surveying)  
ATTORNEY (IF ANY) \_\_\_\_\_

PROPERTY LOCATION/ADDRESS Beecher Road  
MAP # 22 LOT # 38 ZONE RA TOTAL ACRES 14.17 ACRES OF WETLANDS ON PROPERTY 2.77 ACRES  
ACRES

PURPOSE AND DESCRIPTION OF THE ACTIVITY 5 Lot Subdivision  
- Single Family Homes, Driveways, Well, Septic & Minor  
Grading

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED \_\_\_\_\_ CUBIC YDS \_\_\_\_\_ SQ FT \_\_\_\_\_

EXCAVATION PROPOSED \_\_\_\_\_ CUBIC YDS \_\_\_\_\_ SQ FT \_\_\_\_\_

LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE \_\_\_\_\_ OFF SITE \_\_\_\_\_

TOTAL REGULATED AREA ALTERED: SQ FT \_\_\_\_\_ ACRES \_\_\_\_\_

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): None

MITIGATION MEASURES (IF REQUIRED): WETLANDS/WATERCOURSES CREATED: CY \_\_\_\_\_ SQFT \_\_\_\_\_ ACRES \_\_\_\_\_

IS PARCEL LOCATED WITHIN 500FT OF AN ADJOINING TOWN? NO IF YES, WHICH TOWN(S) \_\_\_\_\_

IS THE ACTIVITY LOCATED WITHIN THE WATERSHED OF A WATER COMPANY AS DEFINED IN CT GENERAL STATUTES 25-32A? NO

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NOTE: DETERMINATION THAT THE INFORMATION PROVIDED IS INACCURATE MAY INVALIDATE THE IWWC DECISION AND RESULT IN ENFORCEMENT ACTION.

APPLICANT: Beth Le... DATE 6/5/20

OWNER: Beth Le... DATE 6/5/20

RECEIVED

JUN 08 2020

INLAND WETLANDS & WATERCOURSES COMMISSION  
TOWN OF BROOKLYN, CONECTICUT

Date 6/4/20

Application # 060920C

APPLICATION -- INLAND WETLANDS & WATERCOURSES

APPLICANT A. Kausch & Sons MAILING ADDRESS 35 Suzanne Lane Brooklyn CT  
APPLICANT'S INTEREST IN PROPERTY Owner PHONE 860-230-7928 EMAIL \_\_\_\_\_

PROPERTY OWNER IF DIFFERENT \_\_\_\_\_ PHONE \_\_\_\_\_  
MAILING ADDRESS \_\_\_\_\_ EMAIL \_\_\_\_\_

ENGINEER/SURVEYOR (IF ANY) Paul Archer (Archer Surveying)  
ATTORNEY (IF ANY) \_\_\_\_\_

PROPERTY LOCATION/ADDRESS Tripp Hollow Rd  
MAP # 15 LOT # 4 ZONE RA TOTAL ACRES 4.08 ACRES OF WETLANDS ON PROPERTY 92,100 / 2.11 ACRES

PURPOSE AND DESCRIPTION OF THE ACTIVITY 2 Lot Subdivision  
SINGLE FAMILY HOMES, DRIVEWAYS, SEPTIC, WELL & M-400  
GRADING

WETLANDS EXCAVATION AND FILL:

FILL PROPOSED 0 CUBIC YDS \_\_\_\_\_ SQ FT \_\_\_\_\_  
EXCAVATION PROPOSED \_\_\_\_\_ CUBIC YDS \_\_\_\_\_ SQ FT \_\_\_\_\_  
LOCATION WHERE MATERIAL WILL BE PLACED: ON SITE \_\_\_\_\_ OFF SITE \_\_\_\_\_  
TOTAL REGULATED AREA ALTERED: SQ FT \_\_\_\_\_ ACRES \_\_\_\_\_

EXPLAIN ALTERNATIVES CONSIDERED (REQUIRED): None

MITIGATION MEASURES (IF REQUIRED): WETLANDS/WATERCOURSES CREATED: CY \_\_\_\_\_ SQFT \_\_\_\_\_ ACRES \_\_\_\_\_

IS PARCEL LOCATED WITHIN 500FT OF AN ADJOINING TOWN? NO IF YES, WHICH TOWN(S) \_\_\_\_\_  
IS THE ACTIVITY LOCATED WITHIN THE WATERSHED OF A WATER COMPANY AS DEFINED IN CT GENERAL STATUTES 25-32A? NO

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NOTE: DETERMINATION THAT THE INFORMATION PROVIDED IS INACCURATE MAY INVALIDATE THE IWWC DECISION AND RESULT IN ENFORCEMENT ACTION.

APPLICANT: [Signature] DATE 6/3/20

OWNER: [Signature] DATE 6/3/20

# PROPOSED GRAVEL EXCAVATION

EASTERLY OF ALLEN HILL ROAD  
BROOKLYN, CONNECTICUT

OWNER/APPLICANT:

PAUL R. LEHTO

LEGEND

TEST PIT

EXISTING TREE LINE

EXISTING CONTOUR

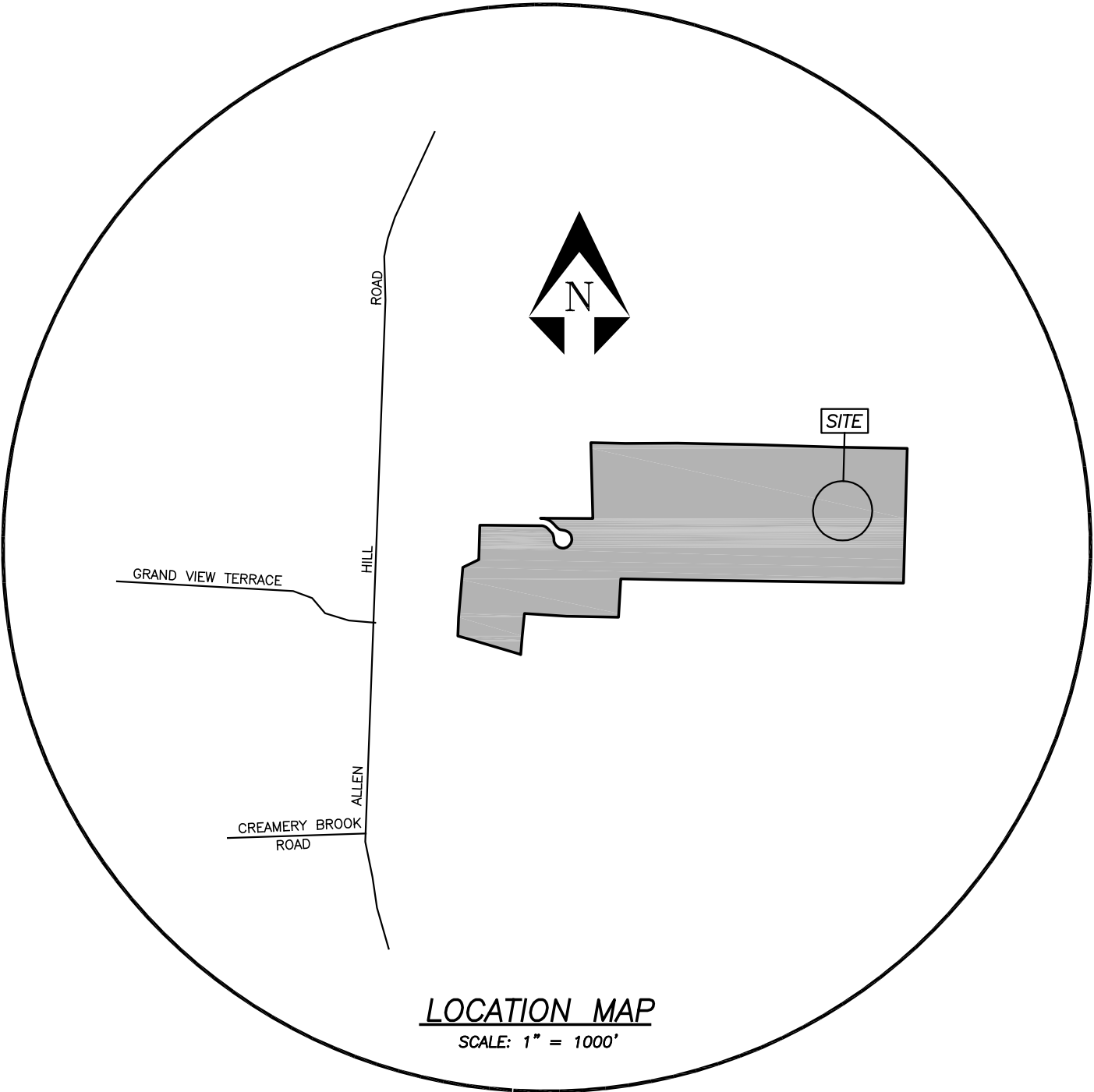
EXISTING INDEX CONTOUR

PROPOSED CONTOUR

PROPOSED CLEARING LIMITS

PROPOSED SILT FENCE

LIMIT OF WETLANDS



INDEX TO DRAWINGS

TITLE	SHEET No.
COVER SHEET	1 OF 7
EXISTING CONDITIONS PLAN	2 OF 7
OVERALL SITE PLAN	3 OF 7
PROPOSED EXCAVATION PLAN	4 OF 7
DETAIL SHEET	5 OF 7
SITE REUSE PLAN	6 OF 7
SITE RADIUS PLAN	7 OF 7

PREPARED BY:

Provost & Rovero, Inc.

Civil Engineering • Surveying • Site Planning  
Structural • Mechanical • Architectural Engineering

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Plainfield, Connecticut 06374  
(860) 230-0856 - FAX: (860) 230-0860  
info@prorovinc.com  
www.prorovinc.com

REVISIONS	
DATE	DESCRIPTION

JUNE 2, 2020

APPROVED BY THE BROOKLYN INLAND  
WETLANDS COMMISSION

CHAIRMANDATE

APPROVED BY THE BROOKLYN PLANNING  
& ZONING COMMISSION

CHAIRMANDATE

I HAVE REVIEWED THE FLAGGED INLAND WETLANDS  
LOCATION SHOWN ON THIS PLAN AND THEY APPEAR  
TO BE SUBSTANTIALLY CORRECT.

Certified Soil ScientistDate

ENGINEERDATE





## LEGEND

	PROPERTY LINE
	REFERENCE LINE
	EASEMENT
	BOUNDARY STONEWALL
	EXISTING TREELINE
	EXISTING INDEX CONTOUR
	EXISTING CONTOUR
	PROPOSED CONTOUR
	WETLAND LIMITS
	IRON PIN FOUND
	DRILL HOLE FOUND
	UTILITY POLE
	FENCE POST

## Notes

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996.
  - This Survey conforms to a Class "A-2" Horizontal Accuracy
  - This Survey conforms to a Class "T-3" Vertical Accuracy
- Survey Type: Perimeter Survey  
Boundary Determination: Resurvey  
Intent: Depict Existing Conditions with Respect to Property Lines
- Parcels shown as 148 on Assessors Tax Map 32 of the Brooklyn Assessors Office
- Property is owned by: Paul Lehto
- Wetlands were delineated in the field by Joseph Theroux, Sept. 2016 and field located by Archer Surveying LLC
- Riverwalk Drive is not a Town Road
- Topographical information obtained through aerial photography by WSP Group

To My Knowledge and Belief this Map is substantially Correct as noted hereon.

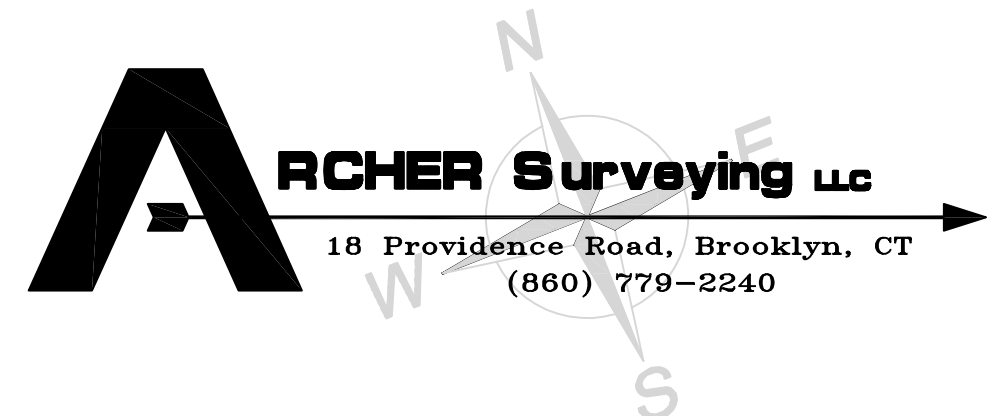
Paul M. Archer LL5 #10013 \_\_\_\_\_ Date \_\_\_\_\_

No Certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

## Existing Condition Plan

Prepared For:  
Paul Lehto  
Allen Hill Road  
Brooklyn, Connecticut

DRAWING SCALE: 1"=125'



Sheet No. 2 of 7 Project No. 1366 Date: Revised: January 2017 May 8, 2018



C:\Users\Dave\Desktop\0685\173055\Drawings\Gravel phase 2\03 OVERALL SP.dwg Jun 02, 2020 - 2:21 PM

NOTES:

1. The total proposed area of excavation is 6.7 acres.
2. The estimated quantity of material to be exported from the site is 90,000 CY. The grading shown hereon is intended to show the material to be removed from the site. Final grades may vary from those shown hereon based on the material encountered and the use of any imported soil which may be used to create final grades.
3. The contractor/owner shall monitor excavation progress to ensure the suitability of the remaining material for final reuse/development of the site. Additional test pits may be required during excavation progress to ensure that suitable natural material is left in place to provide separation to groundwater and/or ledge.
4. Excavation shall be completed in accordance with all applicable MSHA rules, regulations and requirements.
5. Excavation shall begin at the northerly end of phase 1 utilizing a down cutting technique to ensure that the disturbed site area retains all runoff from the disturbed area (bowl effect). Perimeter silt fence and/or staked hay bales shall be installed as shown prior to grubbing and stripping topsoil.
6. Stumps shall not be buried. They shall be either chipped or removed from the site.
7. All topsoil and subsoil stripped from the excavation area shall be retained on site in the designated stockpile area for use in final site restoration. Topsoil and subsoil shall be stripped and stockpiled separately.

APPROVED BY THE BROOKLYN INLAND  
WETLANDS COMMISSION

CHAIRMAN

DATE

APPROVED BY THE BROOKLYN PLANNING  
& ZONING COMMISSION

CHAIRMAN

DATE

ENGINEER

DATE

OVERALL SITE PLAN

PREPARED FOR

PAUL R. LEHTO

PROPOSED GRAVEL EXCAVATION

EASTERLY OF ALLEN HILL ROAD  
BROOKLYN, CONNECTICUT

Provost & Rovero, Inc.

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www.prorovinc.com

150 75 0 150  
GRAPHIC SCALE IN FEET

REVISIONS	
DATE	DESCRIPTION

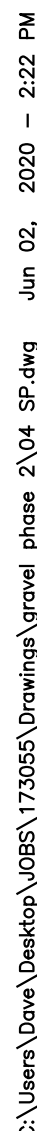
DATE: 6/2/2020	DRAWN: DJH
SCALE: 1" = 150'	DESIGN: DJH
SHEET: 3 OF 7	CHK BY: ---
DWG. No: HF 310	JOB No: 173055

LEGEND

	TEST PIT
	EXISTING TREE LINE
	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
	PROPOSED CONTOUR
	PROPOSED CLEARING LIMITS
	PROPOSED SILT FENCE
	LIMIT OF WETLANDS

N







EROSION AND SEDIMENT CONTROL PLAN:

REFERENCE IS MADE TO:

- Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
- Soil Survey of Connecticut, N.R.C.S.

SILT FENCE INSTALLATION AND MAINTENANCE:

- Dig a 6" deep trench on the uphill side of the barrier location.
- Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
- Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
- Inspect and repair barrier after heavy rainfall.
- Inspections will be made at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
- Sediment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the inland wetlands commission.
- Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when sediment fails to be retained by the fence because:
  - the fence has been overtopped, undercut or bypassed by runoff water,
  - the fence has been moved out of position (knocked over), or
  - the geotextile has decomposed or been damaged.

HAY BALE INSTALLATION AND MAINTENANCE:

- Bales shall be placed as shown on the plans with the ends of the bales tightly abutting each other.
- Each bale shall be securely anchored with at least 2 stakes and gaps between bales shall be wedged with straw to prevent water from passing between the bales.
- Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs.
- Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the Inland Wetlands Commission.
- Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment fails to be retained by the barrier because:
  - the barrier has been overtopped, undercut or bypassed by runoff water,
  - the barrier has been moved out of position, or
  - the hay bales have deteriorated or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure TS-2 in the 2002 Guidelines.

TIMING CONSIDERATIONS

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

SEEDBED PREPARATION

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, disking, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is tracked, the cleat marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10-10-10 or equivalent. Additionally, lime may be applied using rates given in Figure TS-1 in the 2002 Guidelines.

SEEDING

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

MULCHING

Temporary seedlings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 95%-100% coverage.

MAINTENANCE

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and soil erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent reoccurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive severe weather conditions (approximately 80% vegetative cover).

PERMANENT VEGETATIVE COVER:

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

- Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
- Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
- Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1000 s.f. Apply 10-10-10 fertilizer or equivalent at a rate of 300 lbs. per acre or 7.5 lbs. per 1000 s.f. Work lime and fertilizer into the soil to a depth of 4".
- Inspect seedbed before seeding. If traffic has compacted the soil, retille compacted areas.
- Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 - October 1.
- Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent

phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the inclusion of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow into them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone dikes, silt fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off-site generated runoff with sediment laden runoff generated on-site until after adequate filtration of on-site waters has occurred.

- Segregate construction waters from clean water.

- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off-site damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites when sensitive areas such as wetlands, watercourses, and streets would be impacted by off-site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.

- Grade and landscape around buildings and septic systems to divert water away from them.

EXCAVATION NOTES:

- No blasting is anticipated for completion of the work shown. If blasting is required, the owner is responsible for obtaining all necessary permits.
- There are no anticipated sales of excavated materials to the public from the subject site.
- Bulk storage of fuel and lubricants for excavation equipment is not allowed on site. All fueling and lubrication of equipment shall be completed on the fueling pad. Fuel trucks shall be equipped with a spill kit and any spills shall be cleaned immediately. No equipment service work which is likely to result in the release of fuel or lubricants shall take place on site.
- The emergency contact for operations at this site is Paul Lehto (860) 208-9789.
- The allowable hours of operation for excavation shall be 7:00 AM to 6:00 PM, Monday through Friday and 7:00 AM to 12:00 noon on Saturday. No operations shall be allowed on Sundays, Christmas, New Years Day, Memorial Day, Fourth of July, Labor Day and Thanksgiving except by special permission of the Brooklyn Planning & Zoning Commission.
- The owner and/or site operator shall provide adequate dust control to prevent any off-site nuisance. The preferred dust control measure is the application of water to vehicular travel areas. The application of calcium chloride may also be used.
- The owner/operator shall install any necessary barricades or barriers to provide protection around the perimeter of open excavation faces and steep slopes.
- Excavation operations shall be completed in accordance with all appropriate Mine Safety & Health Administration (MSHA) rules and regulations.
- There is to be no on-site processing of excavated materials.
- The estimated total number of truck trip ends entering or exiting the site is 11,200 during the excavation duration. The estimated daily average number of truck trip ends entering or exiting the site is 60 during the excavation duration. The estimated maximum number of daily truck trip ends entering or exiting the site is 80.
- The site operator is responsible for determining the most appropriate means and methods for excavating material. In general, excavation shall begin with stripping and stockpiling of topsoil and subsoil which will be utilized for site restoration. Topsoil (A horizon) and subsoil (B horizon) shall be stockpiled separately. Removal of material should be accomplished with a downcutting technique to ensure complete internal drainage at all times.
- All trucks leaving the site shall have the loads covered.
- Prior to the start of excavation work, two elevation bench marks shall be installed on the perimeter of the work area for monitoring purposes. Benchmarks shall be maintained or replaced as necessary as the work progresses.
- It is anticipated that all excavation work will be completed with the use of one (1) wheel loader (Cat 980 or equivalent), one (1) 50 ton excavator (Cat 349 or equivalent), and tri-axle dump trucks (16± CY capacity). Additional equipment may be utilized for final site restoration.

RESTORATION NOTES:

The restoration requirements described below will be applicable to the 6.7 acre permitted area.

- Restoration of disturbed areas shall take place following the completion of excavation in the respective phase. The respective phase shall have subsoil and topsoil spread and be seeded and mulched no later than the end of the growing season for the calendar year following completion of excavation operations. Mulching and seeding shall be completed in accordance with the recommendations of the New York State Revegetation Procedures Manual for Surface Mining Reclamation. Sufficient restoration bonding should be maintained as required by the Town to cover the restoration cost for the permitted excavation area. The sediment/infiltration basin in the lowest part of the site shall not be restored with topsoil and vegetation until the completion of excavation in phase 2.
- Final restoration shall begin with establishing the required subgrade elevations. Proposed grades shown are approximate and may be adjusted to match field conditions at the time of restoration. In general, all disturbed slopes shall be graded to a 30% maximum

gradient.

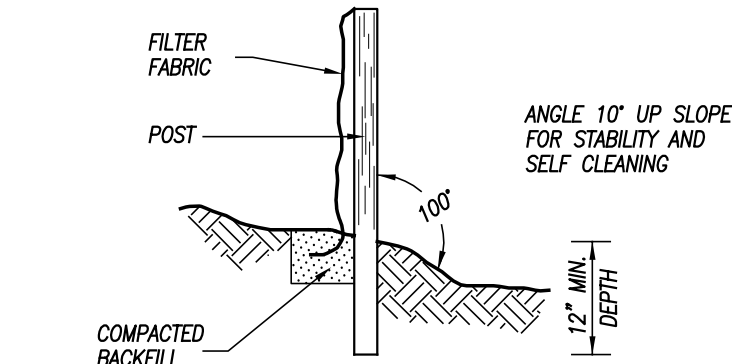
- Prepare the restoration area by spreading subsoil (B horizon) material to a uniform depth.
- Complete restoration by spreading on-site stockpiled topsoil (A horizon) to an approximate minimum thickness of 6" and seeding for a permanent vegetative cover. On-site topsoil stockpiles may be supplemented with composted organic matter, wood chips and imported topsoil as necessary to provide a suitable planting medium.
- Spread seed for a permanent vegetative cover over the prepared restoration area. The permanent vegetative cover may be a suitable wildlife habitat mix or the following mixture which is suitable for use in all locations:

Variety	Lbs./Acre
Switchgrass (Blackwell, Shelter, Cave-in-rock)	4.0
Big Bluestem (Niagra, Kaw)	4.0
Little Bluestem (Blaze, Aldous, Camper)	2.0
Sand Lovegrass (NE-27, Bend)	1.5
Bird's-foot Trefoil (Empire, Viking)	2.0
TOTAL	13.5

- Hay or straw mulch shall be utilized on slopes to provide temporary stabilization during establishment of permanent vegetative cover. In general, no slopes greater than 2H:1V will be allowable.
- Fertilizer and lime shall be provided as required to establish a permanent vegetative cover based on laboratory soil testing results.
- Restoration cover vegetation shall be maintained by the permit holder or applicant for a minimum of 24 months prior to the release of any restoration bonding.
- In lieu of the manual application of mulch and fertilizer, the restoration area may be planted with hydroseeding methods with a suitable tackifier, mulch and fertilizer mix.

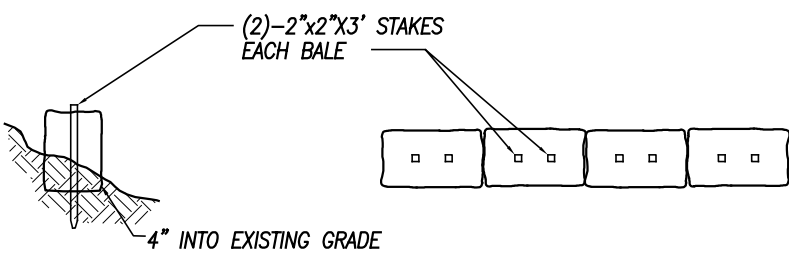
TEST PIT OBSERVATIONS - AUGUST 7, 2017

TEST PIT	DEPTH	PROFILE
1	0-96" No GWT No ledge No mottling	Topsoil and subsoil
2	0-12" 12-18" 18-84" No GWT No ledge No mottling	Topsoil Subsoil Coarse sand and gravel
3	0-18" 18-34" 34-84" No GWT No ledge No mottling	Topsoil Subsoil Coarse sand and gravel
4	0-43" 43-64" 64-138" GWT @ 111" No ledge No mottling	Topsoil and organics Subsoil Coarse sand and gravel
5	0-8" 8-18" 18-57" 57-104" No GWT No ledge No mottling	Topsoil Subsoil Fine silty sand Fine-medium silty sand and gravel
6	0-7" 7-24" 24-131" No GWT No ledge No mottling	Topsoil Subsoil Coarse sand and gravel
7	0-7" 7-17" 17-96" No GWT No ledge No mottling	Topsoil Subsoil Coarse sand and gravel
8	0-12" 12-75" 75-117" No GWT No ledge No mottling	Topsoil Subsoil Medium/coarse sand and gravel
9	0-10" 10-20" 20-138"	Topsoil Subsoil Coarse sand & gravel



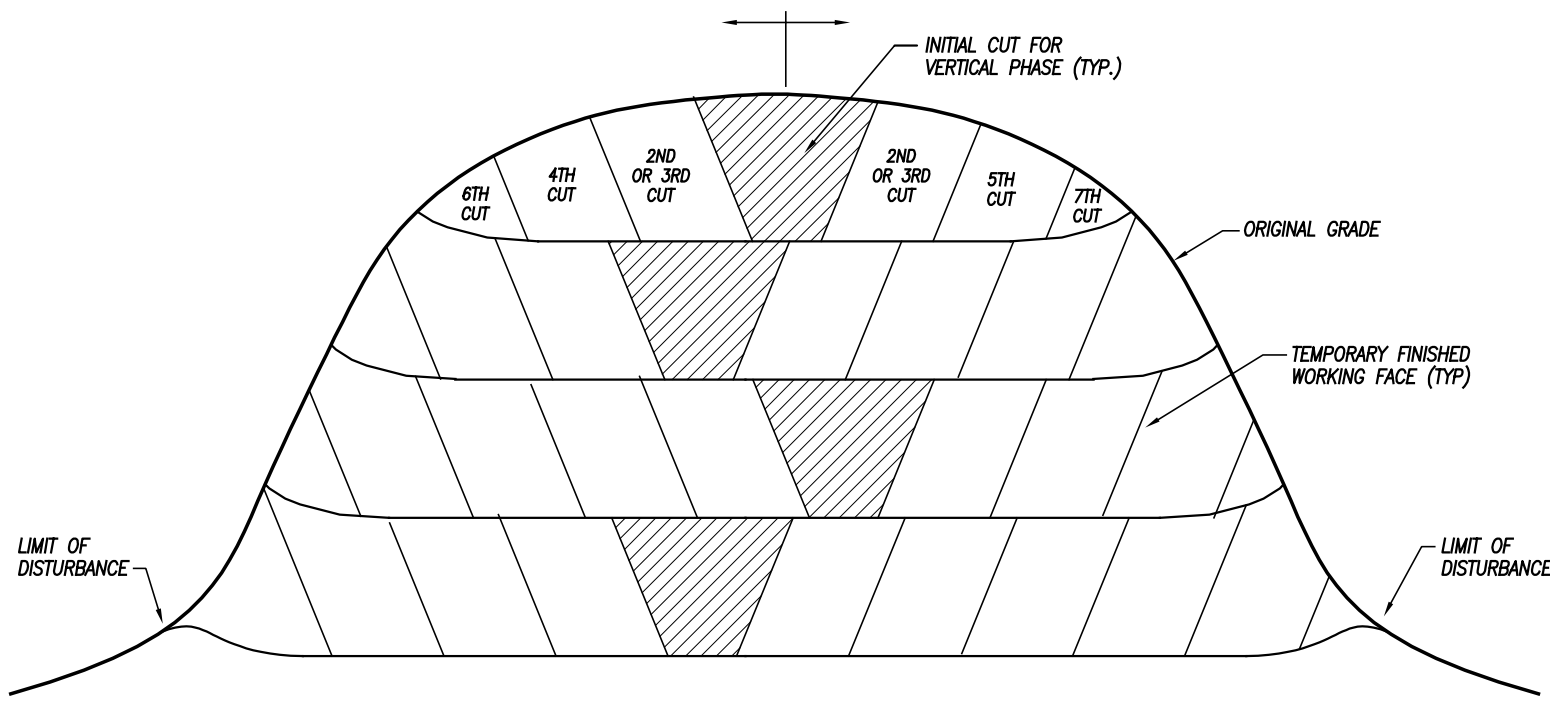
SILT FENCE

NOT TO SCALE



HAYBALE BARRIER

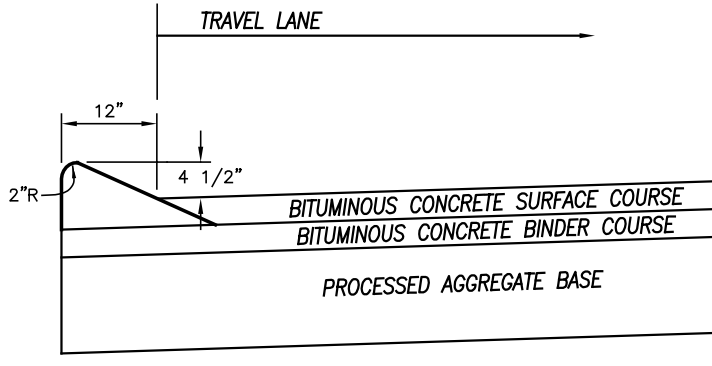
NOT TO SCALE



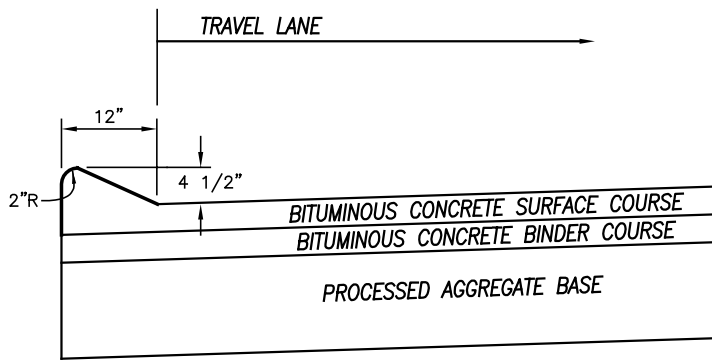
EXCAVATION PROGRESSES IN BOTH DIRECTIONS FOR ENTIRE LENGTH OF EACH VERTICAL SUBPHASE, STARTING AT BOTTOM OF INITIAL CUT, THEN AN INITIAL CUT IS MADE FOR THE SUBSEQUENT LOWER VERTICAL SUBPHASE AND THE PROCESS CONTINUES.

DETAIL SHOWING "DOWNCUTTING" EXCAVATION METHOD

NOT TO SCALE



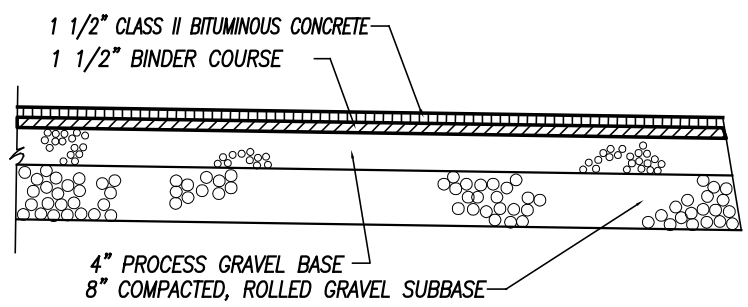
ALTERNATE 1 - CURB ON BINDER



ALTERNATE 2 - MONOLITHIC CONSTRUCTION

CAPE COD CURBING

NOT TO SCALE



BITUMINOUS CONCRETE PAVEMENT

NOT TO SCALE

APPROVED BY THE BROOKLYN INLAND WETLANDS COMMISSION

CHAIRMAN DATE

APPROVED BY THE BROOKLYN PLANNING & ZONING COMMISSION

CHAIRMAN DATE

DETAIL SHEET

PREPARED FOR

PAUL R. LEHTO

PROPOSED GRAVEL EXCAVATION

EASTERLY OF ALLEN HILL ROAD  
BROOKLYN, CONNECTICUT

Provost & Rovero, Inc.

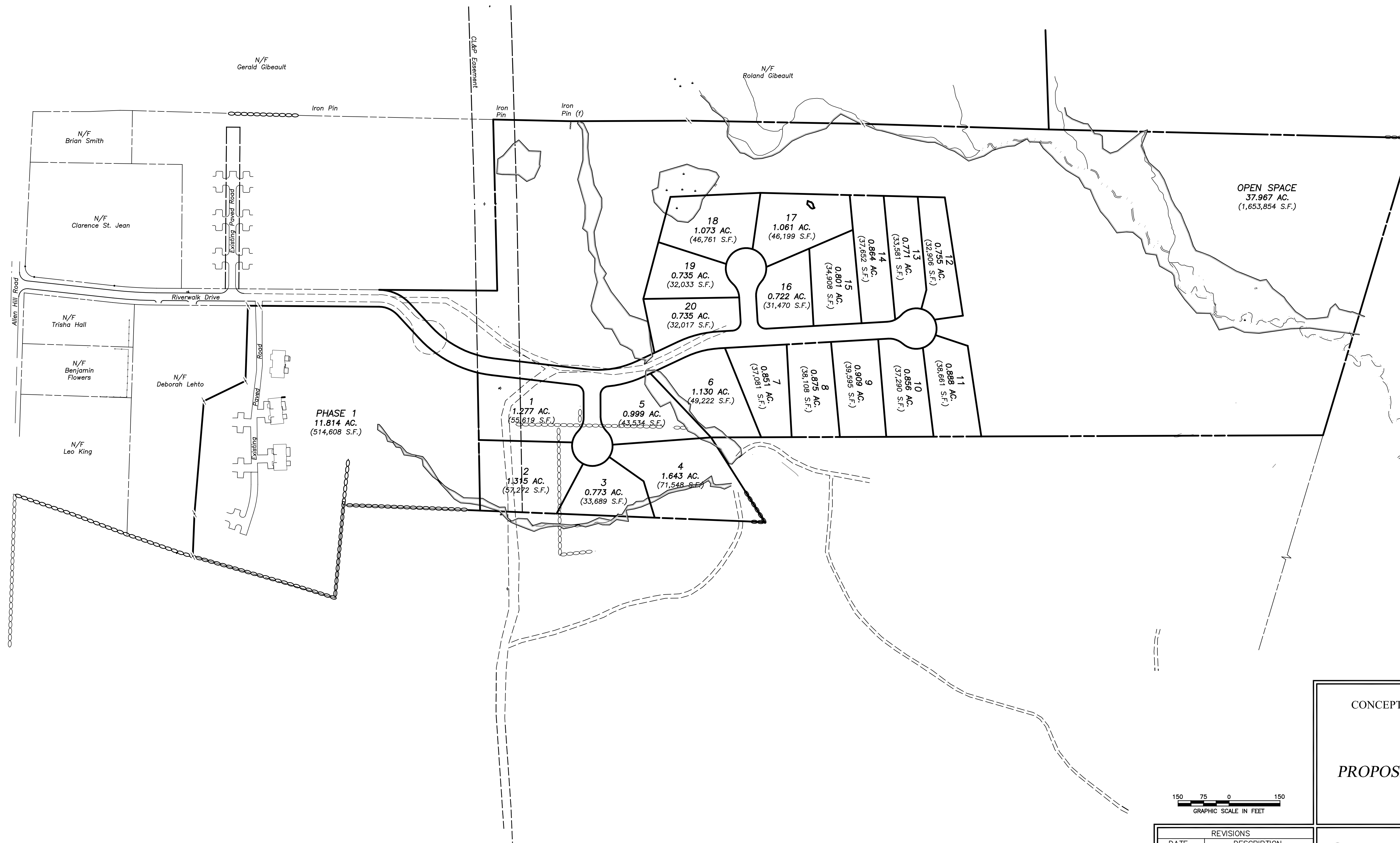
Civil Engineering • Surveying • Site Planning  
Structural • Mechanical • Architectural Engineering

57 East Main Street, P.O. Box 191  
Plainfield, Connecticut 06374  
(860) 230-0856 • FAX: (860) 230-0860  
info@prorovinc.com  
www.prorovinc.com

REVISIONS	
DATE	DESCRIPTION

DATE: 6/2/2020	DRAWN: DJH
SCALE: AS SHOWN	DESIGN: DJH
SHEET: 5 OF 7	CHK BY: ---
DWG. No: HF-310	JOB No: 173055

ENGINEER	DATE
----------	------



# Provost & Rovero, Inc.

Civil Engineering • Surveying • Site Planning  
Structural • Mechanical • Architectural Engineering

57 East Main Street, P.O. Box 191  
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[www.prorovinc.com](http://www.prorovinc.com)

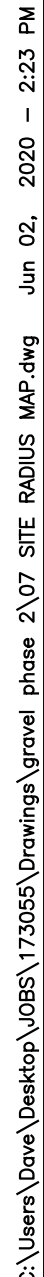
REVISIONS	
DATE	DESCRIPTION

DATE: 6/2/2020	DRAWN: DJH
SCALE: 1" = 150'	DESIGN: DJH
SHEET: 6 OF 7	CHK BY: ---
DWG. No: HF 310	JOB No: 173055

\_\_\_\_\_  
 ENGINEER DATE





SUBDIVISION APPLICATION

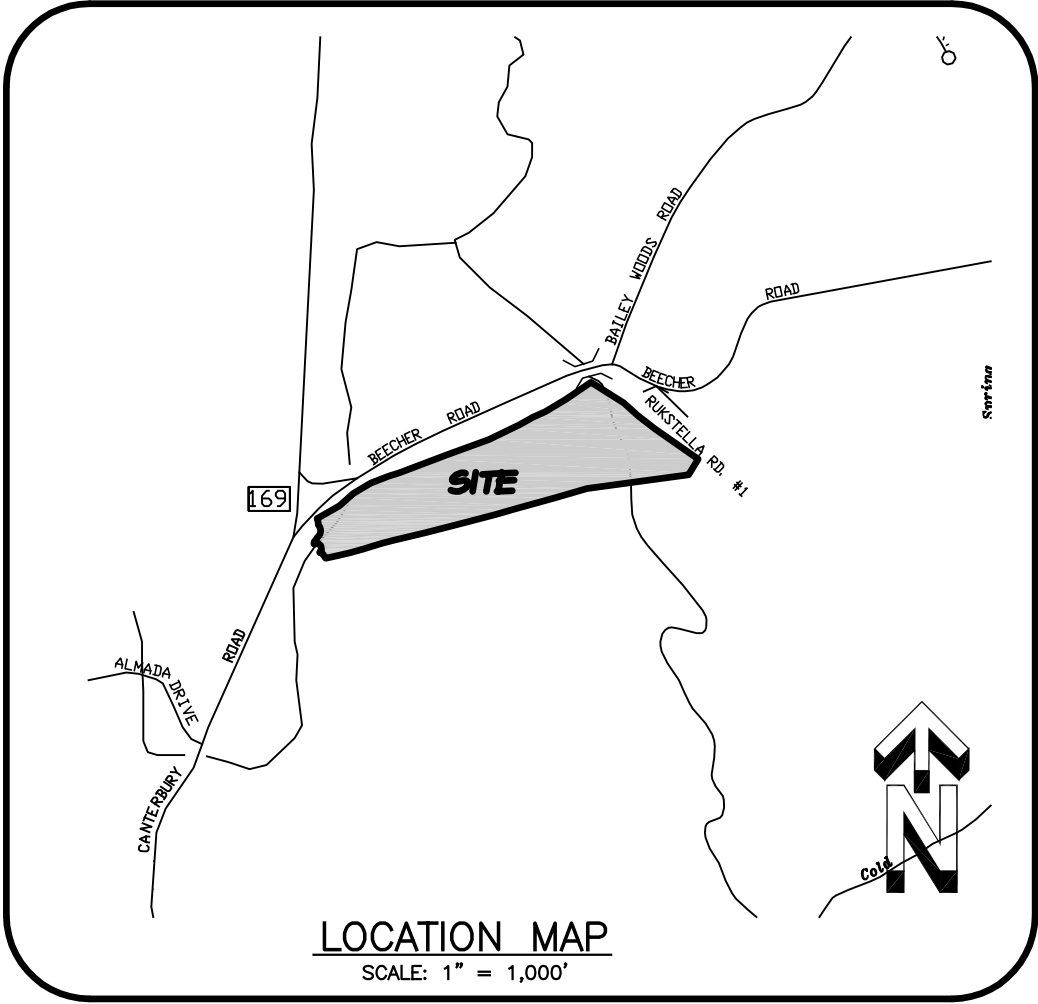
***PROPOSED 5 LOT SUBDIVISION***

PREPARED FOR

**VBL Properties LLC**

Beecher Road  
Brooklyn, Connecticut

June 4, 2020



PREPARED BY



INDEX OF DRAWINGS

COVER SHEET	SHEET 1 OF 8
EXISTING CONDITION PLAN	SHEET 2 OF 8
SUBDIVISION PLAN	SHEET 3 OF 8
SITE DEVELOPMENT PLAN #1	SHEET 4 OF 8
SITE DEVELOPMENT PLAN #2	SHEET 5 OF 8
SITE DEVELOPMENT PLAN #2	SHEET 6 OF 8
DETAIL SHEET	SHEET 7 OF 8
PARCEL HISTORY PLAN	SHEET 8 OF 8

APPROVED BY THE BROOKLYN  
INLAND WETLANDS COMMISSION

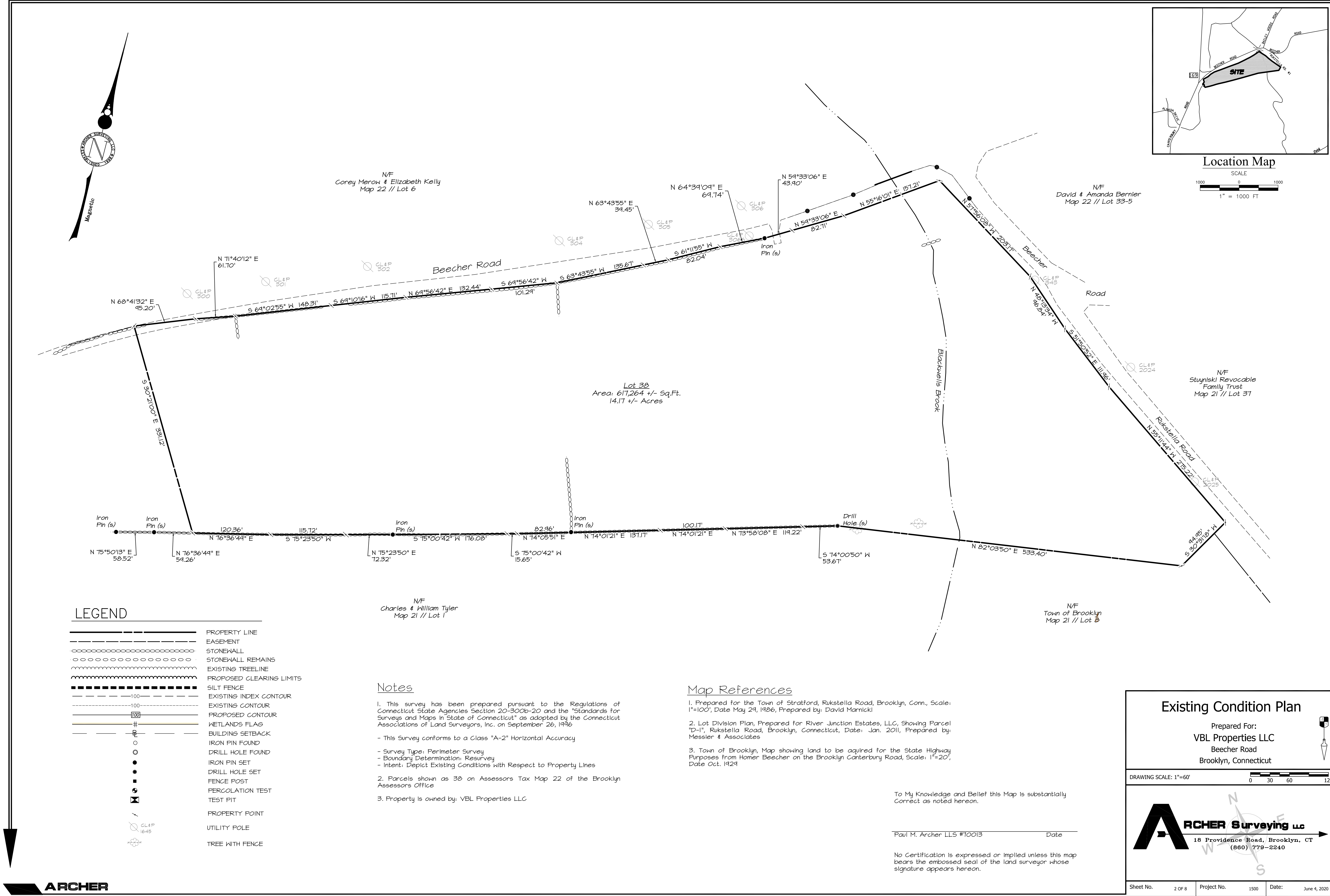
CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_  
Expiration date per section 22A-42A of the Connecticut  
General Statutes. Date: \_\_\_\_\_

APPROVED BY THE BROOKLYN  
PLANNING AND ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_  
Expiration date per section 8-26C of the Connecticut  
General Statutes. Date: \_\_\_\_\_

I have reviewed the inland-wetlands shown on this plan  
and they appear to be substantially the same as those  
which I delineated in the field.

\_\_\_\_\_  
Certified Soil Scientist





CONCEPT SEPTIC SYSTEM DESIGN

LOT 38-2  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 13 MIN./INCH (NDDH FILE #18000188)  
LEACHING AREA REQUIRED: 675\_SF

USE TRADITIONAL TRENCH  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
REQUIRED LENGTH = 675 SF / 3 SF/LF = 225 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 27"  
SLOPE = 5.1%  
HYDRAULIC FACTOR (HF) = 30  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.25 (10.1 TO 20.0 MIN./INCH)  
MLSS REQUIRED: 30 x 1.5 x 1.25 = 56.25\_LF

PROPOSED SYSTEM  
USE 3 ROWS OF 75 LF  
LEACHING AREA PROVIDED = 675\_SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

LOT 38-3  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 14 MIN./INCH (NDDH FILE #18000188)  
LEACHING AREA REQUIRED: 675\_SF

USE TRADITIONAL TRENCH  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
REQUIRED LENGTH = 675 SF / 3 SF/LF = 225 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 21"  
SLOPE = 3.3%  
HYDRAULIC FACTOR (HF) = 48  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.25 (10.1 TO 20.0 MIN./INCH)  
MLSS REQUIRED: 48 x 1.5 x 1.25 = 90\_LF

PROPOSED SYSTEM  
USE 3 ROWS OF 90 LF  
LEACHING AREA PROVIDED = 810\_SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

LOT 38-4  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 10 MIN./INCH (NDDH FILE #18000188)  
LEACHING AREA REQUIRED: 495\_SF

USE TRADITIONAL TRENCH  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
REQUIRED LENGTH = 495 SF / 3 SF/LF = 165 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 23"  
SLOPE = 10.2%  
HYDRAULIC FACTOR (HF) = 26  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.00 (UP TO 10.0 MIN./INCH)  
MLSS REQUIRED: 26 x 1.5 x 1.00 = 39\_LF

PROPOSED SYSTEM  
USE 3 ROWS OF 60 LF  
LEACHING AREA PROVIDED = 540\_SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

SELECT FILL SPECIFICATION

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS PER THE CONNECTICUT PUBLIC HEALTH CODE FOR USE WITHIN THE LEACHING AREA:

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SLEEVE.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SLEEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING CRITERIA:

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

\* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.

SEPTIC NOTES

1. PROPOSED SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
2. A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
3. ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEM.
4. SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO STD-3034 AND SDR-35.
5. SYSTEMS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
6. CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEMS AND HOUSES ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
7. ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
8. TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS..

PERCOLATION DATA  
PERC # 2A - DEPTH 31"

TIME	READING (INCHES)
9:33	6.75
9:49	10.0
10:19	13.0
10:39	14.5

PERCOLATION RATE > 13.3 MIN./IN.

NOTES:  
PERCOLATION TEST PERFORMED  
ON 5/17/2018  
PERFORMED BY Terre Bombard

PERCOLATION DATA  
PERC # 3A - DEPTH 29"

TIME	READING (INCHES)
9:35	5.75
9:56	10.0
10:11	14.5
10:46	17.0

PERCOLATION RATE > 14 MIN./IN.

NOTES:  
PERCOLATION TEST PERFORMED  
ON 5/17/2018  
PERFORMED BY Terre Bombard

DEEP TP DATA / SOIL DESCRIPTIONS

PERFORMED BY: Terre Bombard  
WITNESSED BY: Northeast District Department of Health      DATE: March 20, 2018

TP: 2A
0"-11" TOPSOIL
11"-30" Very fine Sandy Loam
30"-40" Medium Sand
40"-69" Compact Gray Loamy Sand/Mottled
MOTTLES: 40"
GROUNDWATER: NO
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

TP: 2B
0"-14" TOPSOIL
14"-32" Fine Loamy Sand
32"-75" Gray very Fine Loamy Sand /Mottled
MOTTLES: 27"
GROUNDWATER: NO
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

TP: 3A
0"-7" TOPSOIL
7"-21" Very fine Sandy Loam
21"-38" Gray Compact Very Fine Sandy Loam
38"-73" Hardpan
MOTTLES: 21"
GROUNDWATER: NO
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

TP: 3B
0"-8" TOPSOIL
8"-30" Fine Loamy Sand
30"-45" Gray Medium Sand
30"-45" Hardpan
MOTTLES: 45"
GROUNDWATER: NO
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

TP: 4A
0"-8" TOPSOIL
8"-37" Fine Sandy Loam
37"-60" Gray Compact Sandy Pan
MOTTLES: NO
GROUNDWATER: NO
LEDGE: NO
ROOTS: NO
RESTRICTIVE: 37"

TP: 4B
0"-8" TOPSOIL
8"-23" Loamy Sand
23"-37" Gray very Fine Loamy Sand
37"-66" Gray Compact Very Fine Sand/Coarse
MOTTLES: 37"
GROUNDWATER: 64"
LEDGE: NO
ROOTS: NO
RESTRICTIVE: NO

LEGEND

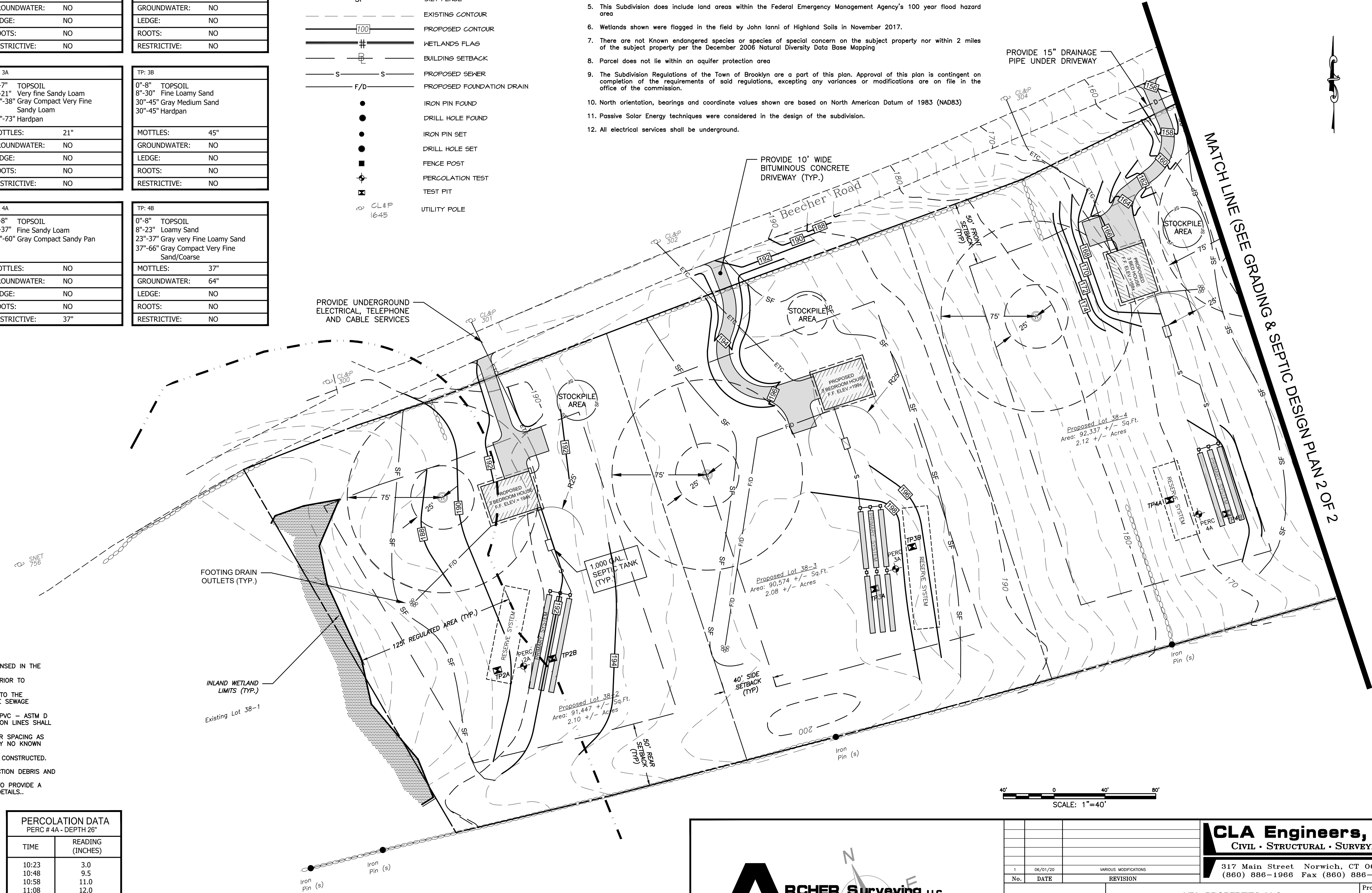
- PROPERTY LINE
- EASEMENT
- STONEWALL
- STONEWALL REMAINS
- EXISTING TREELINE
- PROPOSED CLEARING LIMITS
- SF SILT FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WETLANDS FLAG
- BUILDING SETBACK
- S PROPOSED SEWER
- F/D PROPOSED FOUNDATION DRAIN
- IRON PIN FOUND
- DRILL HOLE FOUND
- IRON PIN SET
- DRILL HOLE SET
- FENCE POST
- PERCOLATION TEST
- TEST PIT
- UTILITY POLE

Notes

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996.
  - This Survey conforms to a Class "C" Horizontal Accuracy
  - This Survey conforms to a Class "T-2" Vertical Accuracy
  - Survey Type: Site Development Plan
  - Boundary Determination: Resurvey
  - Intent: 5 Lot Subdivision
2. Parcels shown as 38 on Assessors Tax Map 22 of the Brooklyn Assessors Office
3. Property is owned by: VBL Properties, LLC
4. Zone: RA
5. This Subdivision does include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
6. Wetlands shown were flagged in the field by John Ianni of Highland Soils in November 2017.
7. There are not Known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
8. Parcel does not lie within an aquifer protection area
9. The Subdivision Regulations of the Town of Brooklyn are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications are on file in the office of the commission.
10. North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
11. Passive Solar Energy techniques were considered in the design of the subdivision.
12. All electrical services shall be underground.

Map References

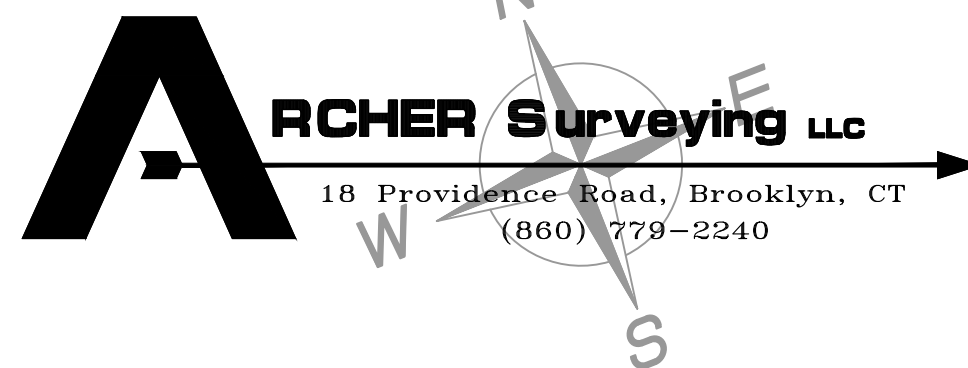
1. Prepared for the Town of Stratford, Rukstella Road, Brooklyn, Conn., Scale: 1"=100', Date May 29, 1986, Prepared by: David Marnicki
2. Lot Division Plan, Prepared for River Junction Estates, LLC, Showing Parcel "D-1", Rukstella Road, Brooklyn, Connecticut, Date: Jan. 2011, Prepared by: Messier & Associates
3. Town of Brooklyn, Map showing land to be aquired for the State Highway Purposes from Homer Beecher on the Brooklyn Canterbury Road, Scale: 1"=20', Date Oct. 1929



To My Knowledge and Belief this Map is substantially  
Correct as noted hereon.

Robert A. DeLuca, P.E. #18756

Date



CLA Engineers, Inc.  
CIVIL • STRUCTURAL • SURVEYING

317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

VBL PROPERTIES LLC

PROPOSED 5 LOT SUBDIVISION  
BEECHER ROAD & RUKSTELLA ROAD  
BROOKLYN CT

GRADING & SEPTIC DESIGN PLAN 1 OF 2

Project No.  
CLA-6382

Proj. Engineer  
D.H.

Date:  
03/18/20

Sheet No.

1

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PERCOLATION DATA PERC # 5A - DEPTH 27"	
TIME	READING (INCHES)
10:30	5.5
10:51	8.5
11:06	14.0
PERCOLATION RATE > 7 MIN./IN.	
NOTES: PERCOLATION TEST PERFORMED ON 5/17/2018 PERFORMED BY Terre Bombard	

PERCOLATION DATA PERC # A - DEPTH 35"	
TIME	READING (INCHES)
10:57	5.0
11:05	9.5
11:15	12.5
11:27	14.75
11:35	16.0
PERCOLATION RATE > 6.4 MIN./IN.	
NOTES: PERCOLATION TEST PERFORMED ON 3/23/2018 PERFORMED BY Terre Bombard	

DEEP TP DATA / SOIL DESCRIPTIONS	
PERFORMED BY: Terre Bombard	
WITNESSED BY: Northeast District Department of Health      DATE: March 20, 2018	
TP: 5A	TP: 5B
0"-7" TOPSOIL	0"-12" TOPSOIL
7"-28" Loamy Sand	12"-38" Loamy Sand
28"-61" Gray Very Fine Loamy Sand/Mottled	38"-75" Gray Compact Very Fine Loamy Sand
MOTTLES: 28"	MOTTLES: 38"
GROUNDWATER: NO	GROUNDWATER: 69"
LEDGE: NO	LEDGE: NO
ROOTS: NO	ROOTS: NO
RESTRICTIVE: NO	RESTRICTIVE: 37"
TP: 1	TP: 2
0"-9" TOPSOIL	0"-10" TOPSOIL
9"-37" Reddish Brown Very Fine Loamy Sand	10"-27" Reddish Brown Very Fine Loamy Sand
37"-70" Gray Very Fine Loamy Sand	27"-39" Gray Very Fine Loamy Sand/Wet /Mottled
70"-52" Groundwater	39"-52" Groundwater
MOTTLES: 44"	MOTTLES: 27"
GROUNDWATER: 63" seepage @44"	GROUNDWATER: 39"
LEDGE: NO	LEDGE: NO
ROOTS: NO	ROOTS: NO
RESTRICTIVE: NO	RESTRICTIVE: NO

LEGEND

- PROPERTY LINE
- EASEMENT
- STONEWALL
- STONEWALL REMAINS
- EXISTING TREELINE
- PROPOSED CLEARING LIMITS
- SF SILT FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WETLANDS FLAG
- BUILDING SETBACK
- PROPOSED SEWER
- PROPOSED FOUNDATION DRAIN
- IRON PIN FOUND
- DRILL HOLE FOUND
- IRON PIN SET
- DRILL HOLE SET
- FENCE POST
- PERCOLATION TEST
- TEST PIT
- UTILITY POLE

CONCEPT SEPTIC SYSTEM DESIGN

LOT 38  
PRIMARY LEACHING AREA  
4 BEDROOM MULTI-FAMILY RESIDENCE  
PERCOLATION RATE: 6.4 MIN./INCH (NDDH FILE #18000188)  
LEACHING AREA REQUIRED: 660\_SF

USE TRADITIONAL TRENCH  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
REQUIRED LENGTH = 660 SF / 3 SF/LF = 220 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 27"  
SLOPE = 8.28  
HYDRAULIC FACTOR (HF) = 26  
FLOW FACTOR (FF) = 2.0  
PERCOLATION FACTOR (PF) = 1.0 (UP TO 10.0 MIN./INCH)  
MLSS REQUIRED: 26 x 2.0 x 1.00 = 52\_LE

PROPOSED SYSTEM  
USE 3 ROWS OF 75 LF  
LEACHING AREA PROVIDED = 675\_SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

CONCEPT SEPTIC SYSTEM DESIGN

LOT 38-5  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 7 MIN./INCH (NDDH FILE #18000188)  
LEACHING AREA REQUIRED: 495\_SF

USE TRADITIONAL TRENCH  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 3.0 SF/LF  
REQUIRED LENGTH = 495 SF / 3 SF/LF = 165 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 28"  
SLOPE = 6.14  
HYDRAULIC FACTOR (HF) = 28  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.00 (UP TO 10.0 MIN./INCH)  
MLSS REQUIRED: 28 x 1.5 x 1.00 = 42\_LE

PROPOSED SYSTEM  
USE 3 ROWS OF 55 LF  
LEACHING AREA PROVIDED = 495\_SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

To My Knowledge and Belief this Map is substantially  
Correct as noted hereon.

Robert A. DeLuca, P.E. #18756

PROVIDE & MAINTAIN SILT FENCE  
BACKED BY HAY BALES WITHIN  
REGULATED AREA

ARCHER Surveying LLC  
18 Providence Road, Brooklyn, CT  
(860) 779-2240

SCALE: 1"=40'

CLA Engineers, Inc.  
CIVIL • STRUCTURAL • SURVEYING

317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

VBL PROPERTIES LLC

PROPOSED 5 LOT SUBDIVISION  
BEECHER ROAD & RUKSTELLA ROAD  
BROOKLYN CT

GRADING & SEPTIC DESIGN PLAN 2 OF 2

Project No.  
CLA-6382

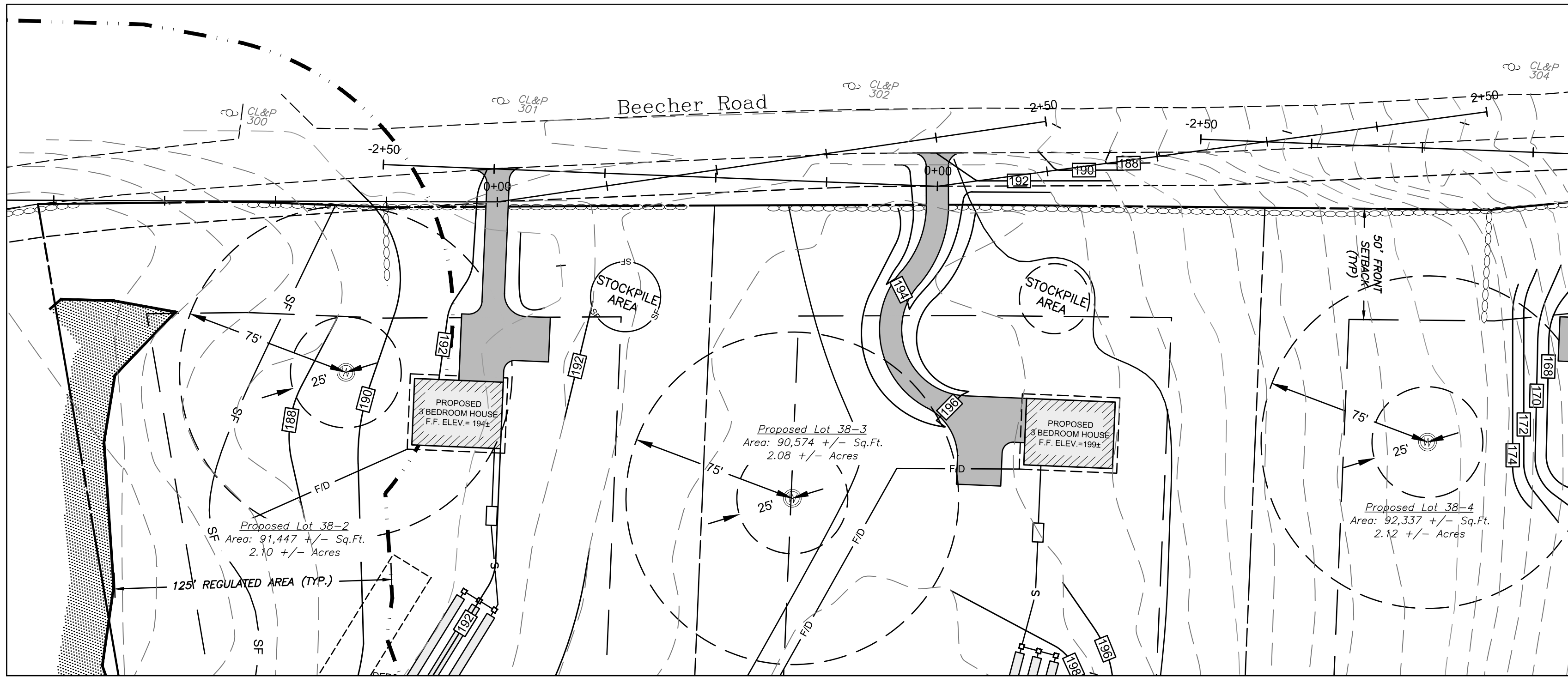
Proj. Engineer  
D.H.

Date:  
03/18/20

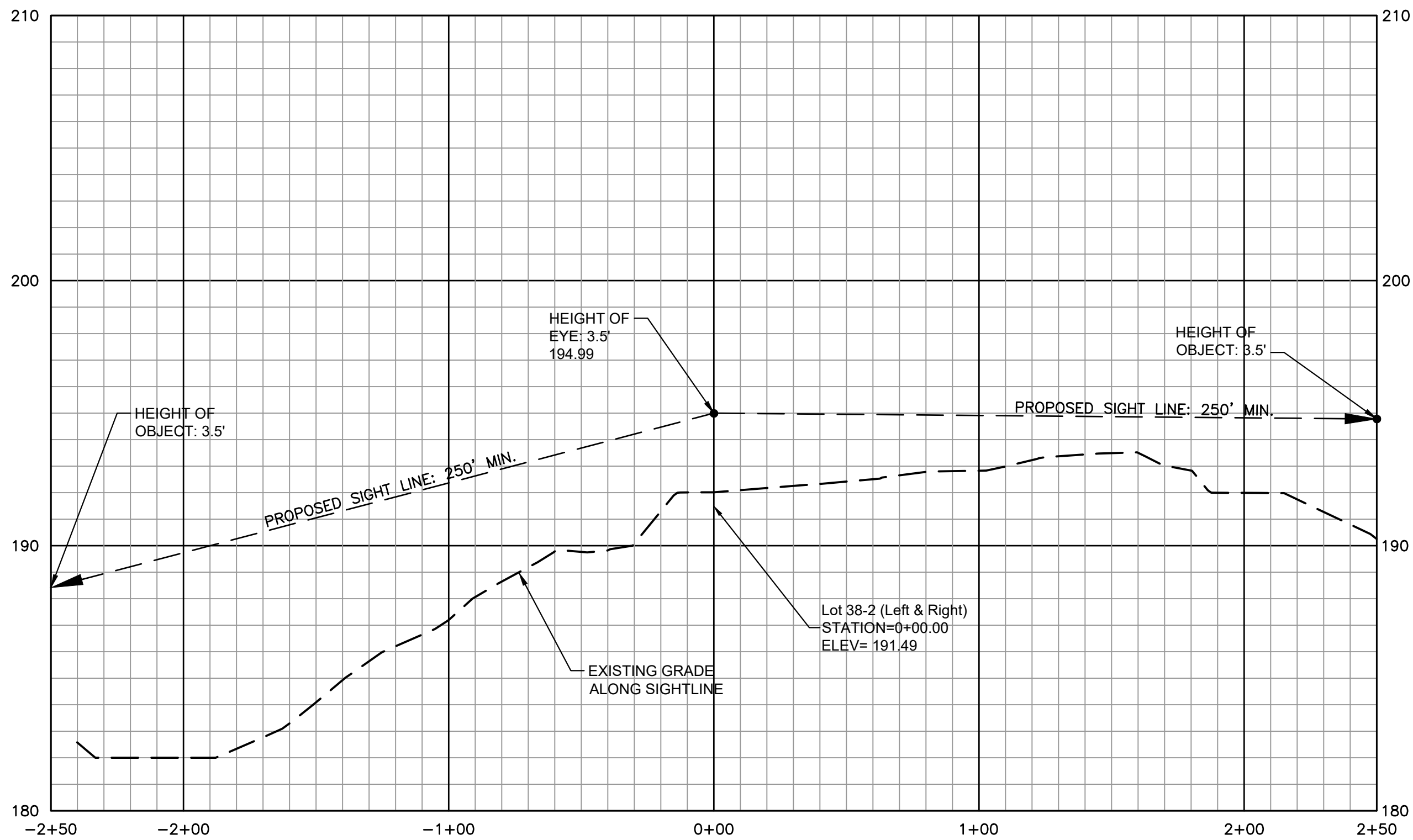
Sheet No.

2

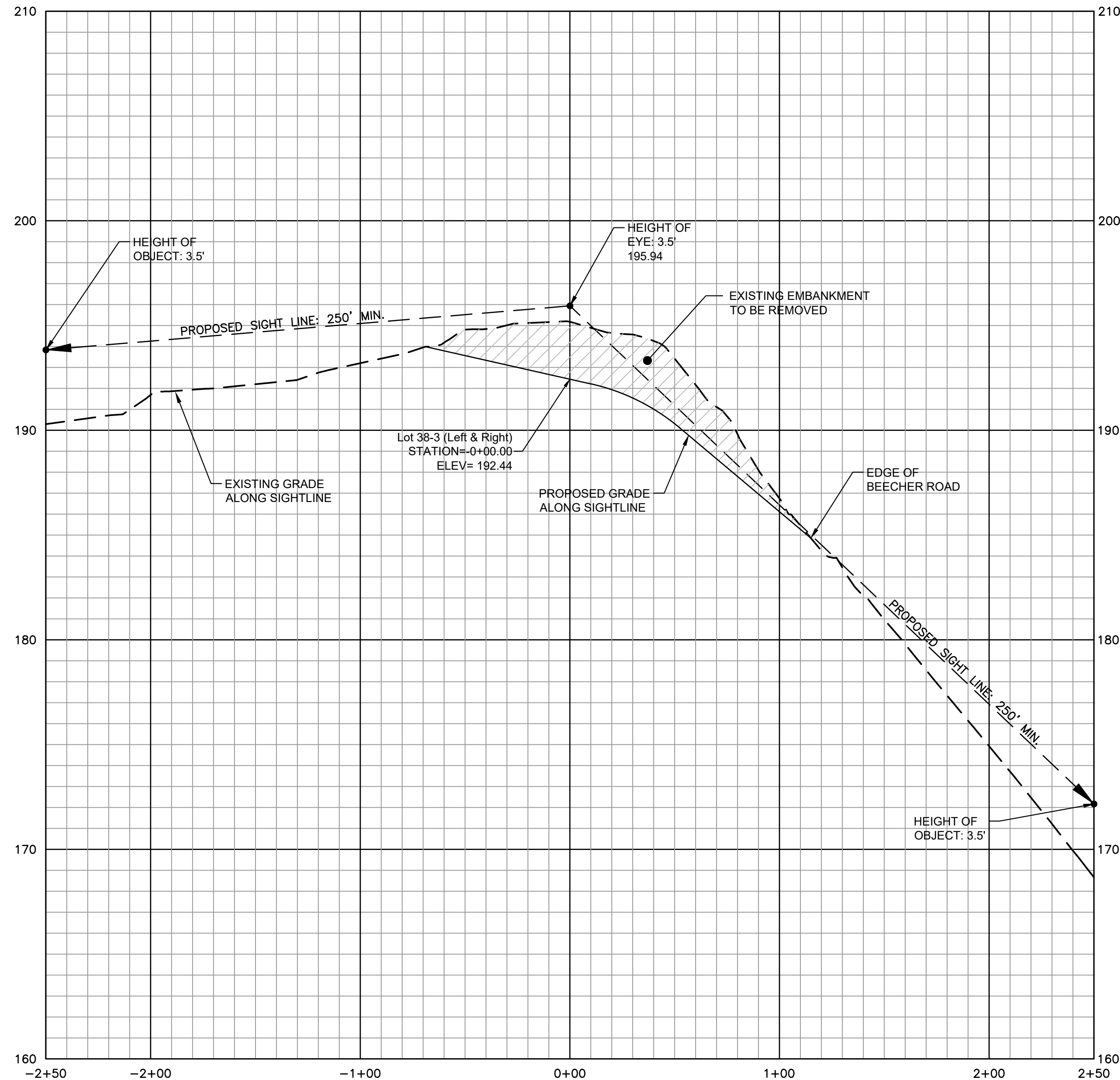




SCALE: 1"=40'



Driveway Lot 38-2 (Left & Right)  
Horiz. Scale: 1" = 40'  
Vert. Scale: 1" = 4'

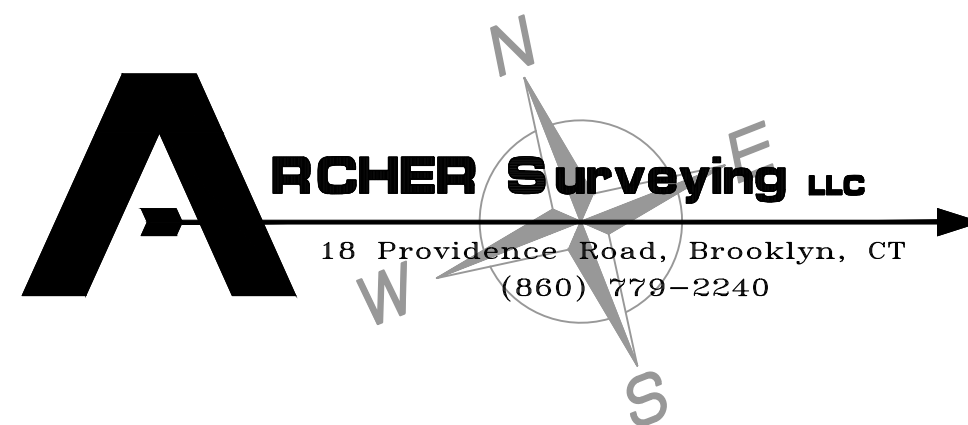


Driveway Lot 38-3 (Left & Right)  
Horiz. Scale: 1" = 40'  
Vert. Scale: 1" = 4'

To My Knowledge and Belief this Map is substantially  
Correct as noted hereon.

Robert A. DeLuca, P.E. #18756

Date



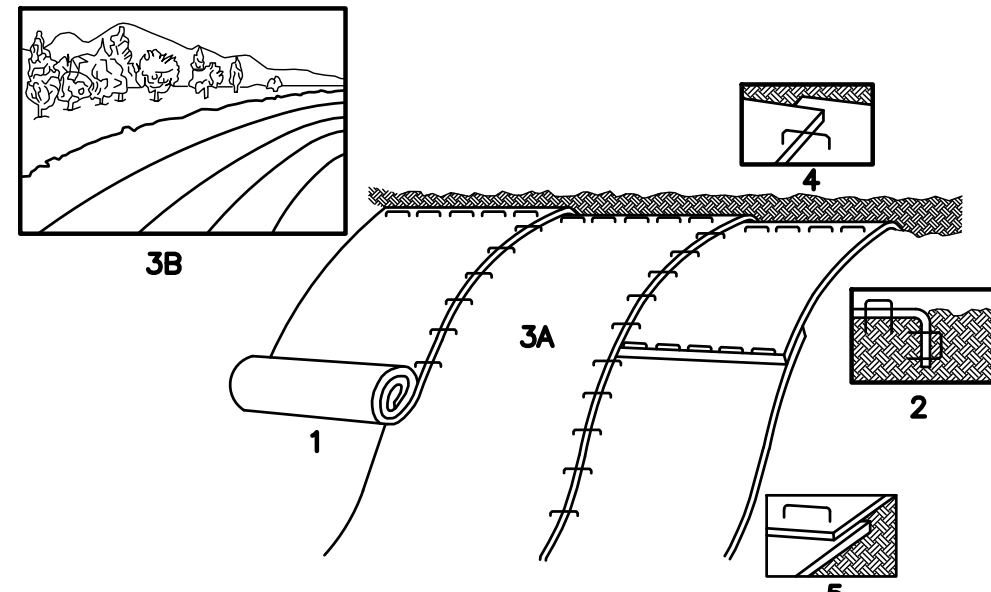
			<b>CLA Engineers, Inc.</b> CIVIL • STRUCTURAL • SURVEYING	
			317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165	
			Project No. CLA-6382	
			Proj. Engineer D.H.	
			Date: 03/18/20	
			Sheet No. <b>3</b>	
			VBL PROPERTIES LLC	
			PROPOSED 5 LOT SUBDIVISION BEECHER ROAD & RUKSTELLA ROAD BROOKLYN CT	
			DRIVEWAY SIGHTLINE PLAN & PROFILE	

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
8. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS SHOWN IN THE HAY-BALE BARRIER DEWATERING DETAIL OR ALTERNATE METHOD PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1). IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
11. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
12. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
13. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
14. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
15. THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION.

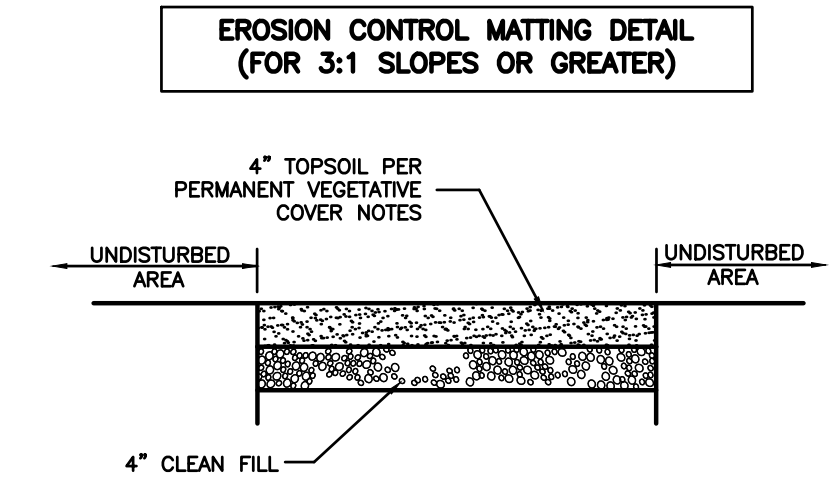
NOTE: THE CONTRACTOR SHALL CONTINUALLY STORE THE FOLLOWING MATERIALS ONSITE DURING CONSTRUCTION TO MEET UNEXPECTED EROSION NEEDS

- \* 100 LF OF SILT FENCE
- \* 10 HAY BALES
- \* 10 CY OF WOOD CHIPS OR CRUSHED STONE



1. PROVIDE 4" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LOAM, SEED, FERTILIZE & MULCH)
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C1228N OR APPROVED EQUAL.



SLOPE STABILIZATION DETAILS  
NOT TO SCALE

TEMPORARY VEGETATIVE COVER

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSEMED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

PERMANENT VEGETATIVE COVER

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

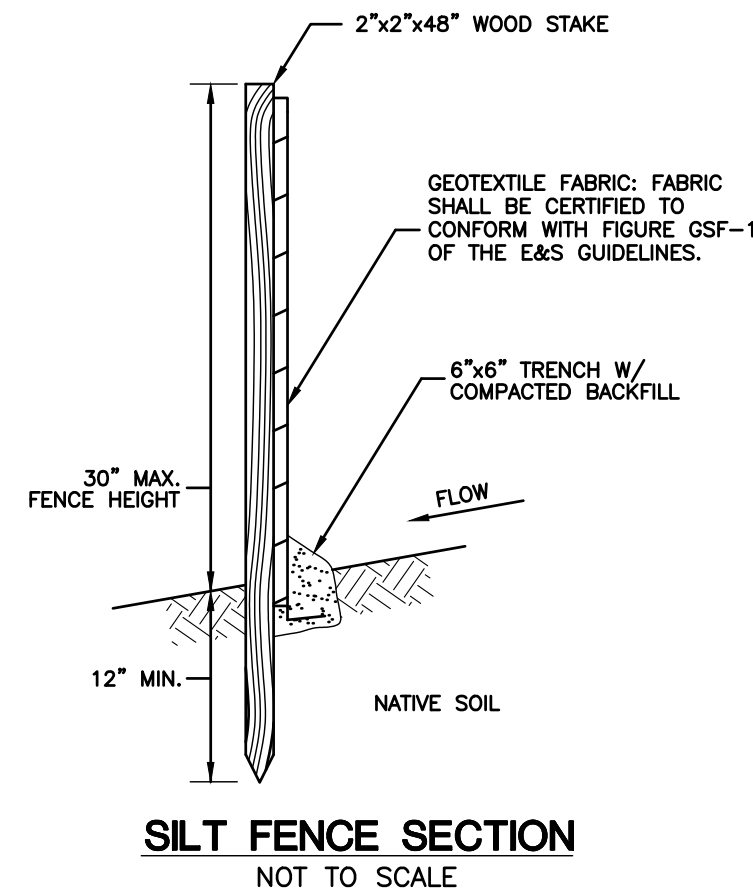
- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 1000 S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

TYPICAL SEED MIXTURE

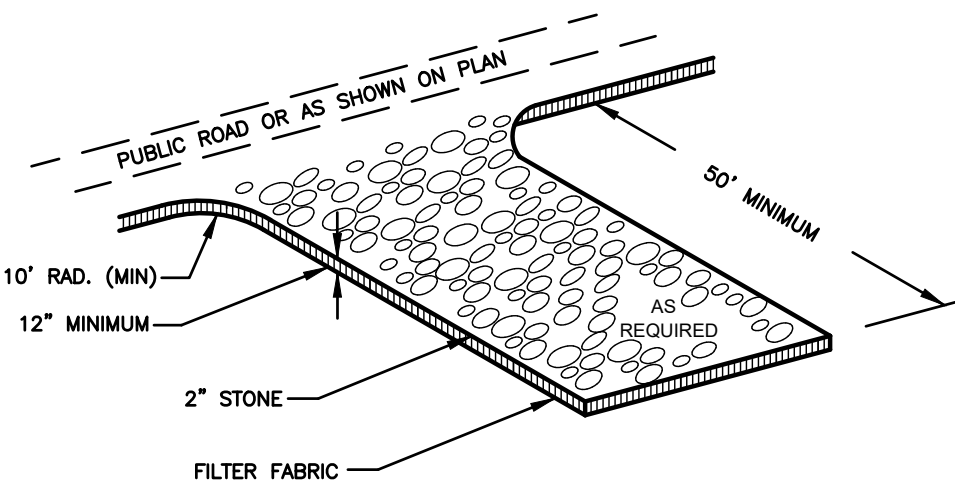
ALL DISTURBED AREAS

KENTUCKY BLUEGRASS  
CREEPING RED FESCUE  
PERENNIAL RYEGRASS

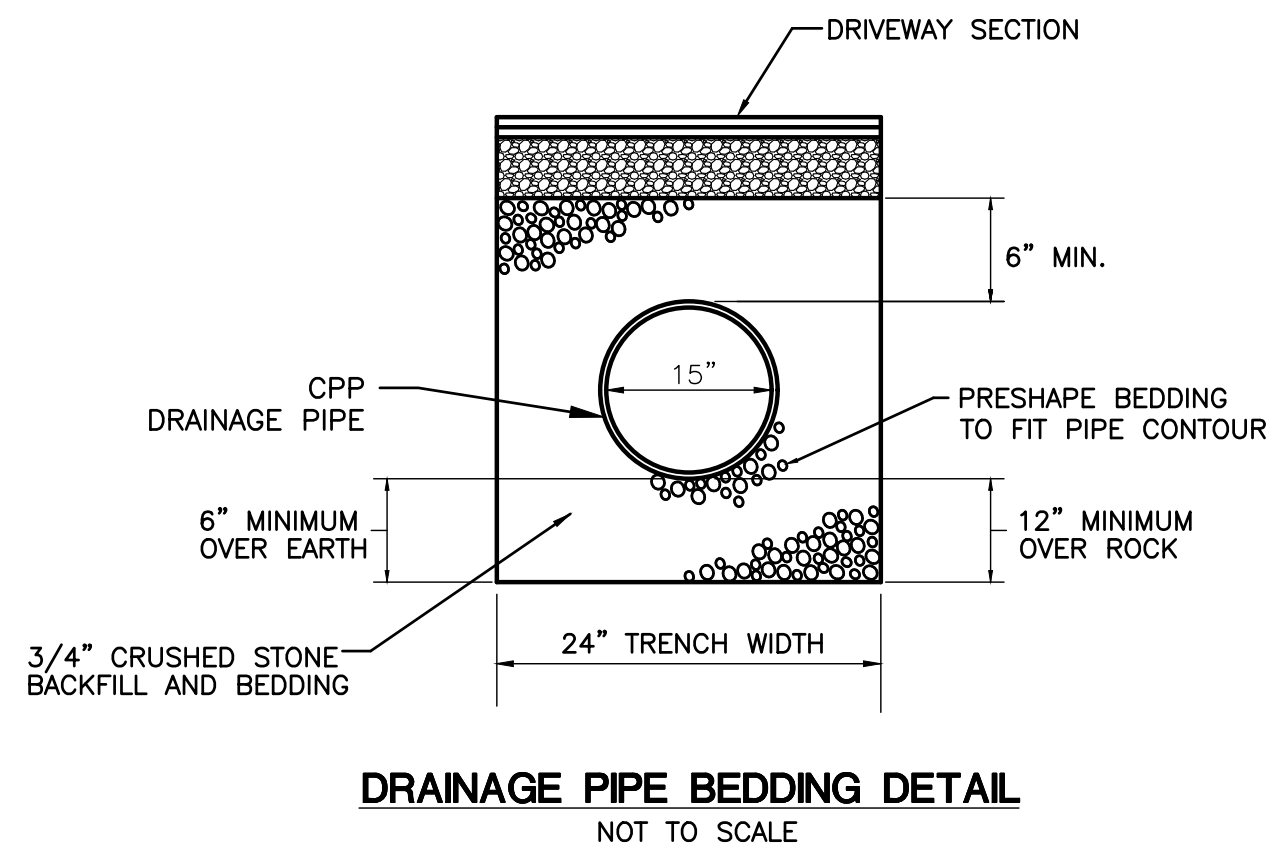
LBS./ACRE	LBS./1000 S.F.
20	0.45
20	0.45
5	0.10
45	1.00



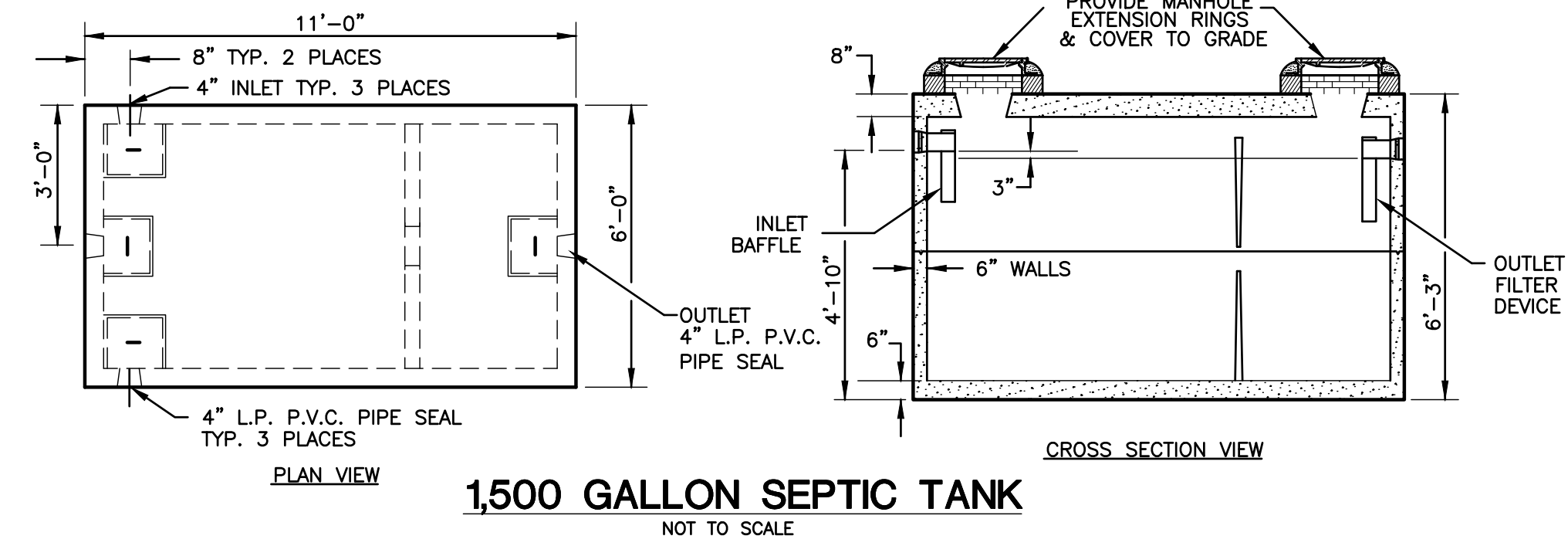
SILT FENCE SECTION  
NOT TO SCALE



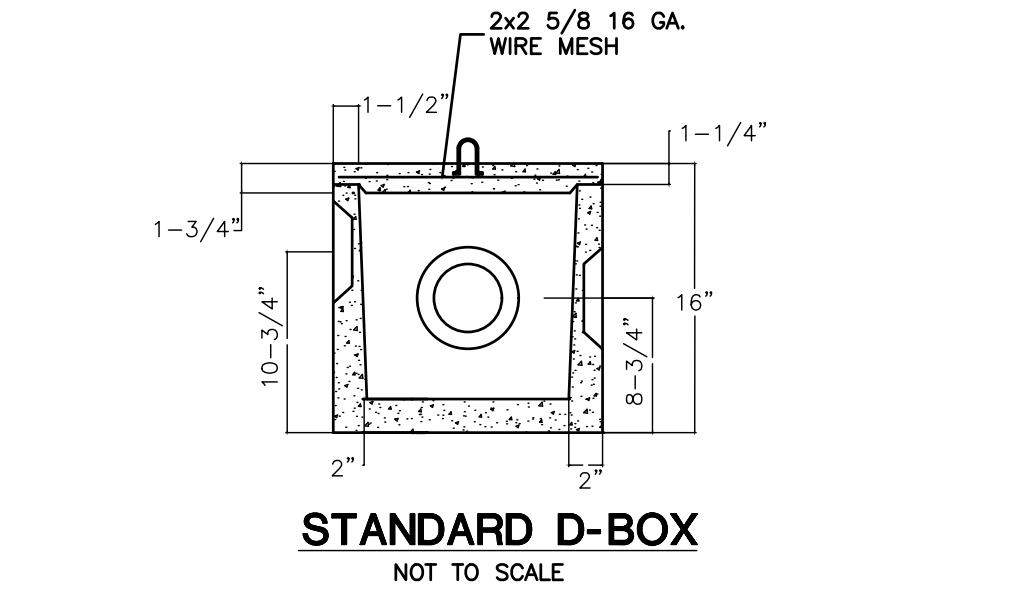
ANTI-TRACKING PAD DETAIL  
NOT TO SCALE



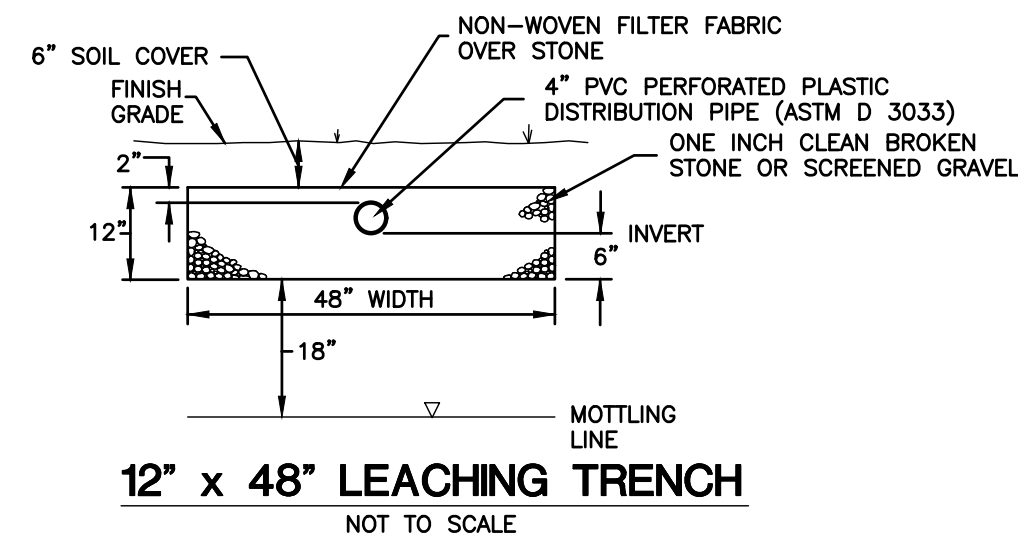
DRAINAGE PIPE BEDDING DETAIL  
NOT TO SCALE



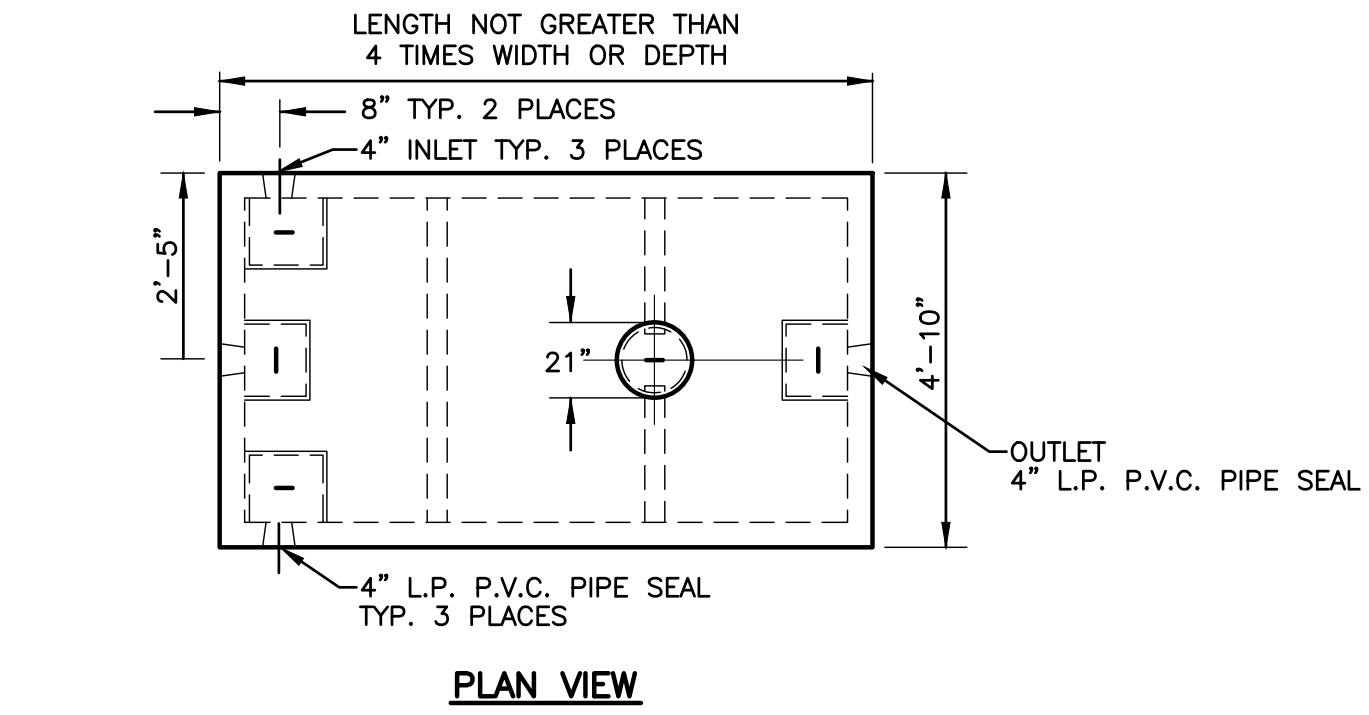
1,500 GALLON SEPTIC TANK  
NOT TO SCALE



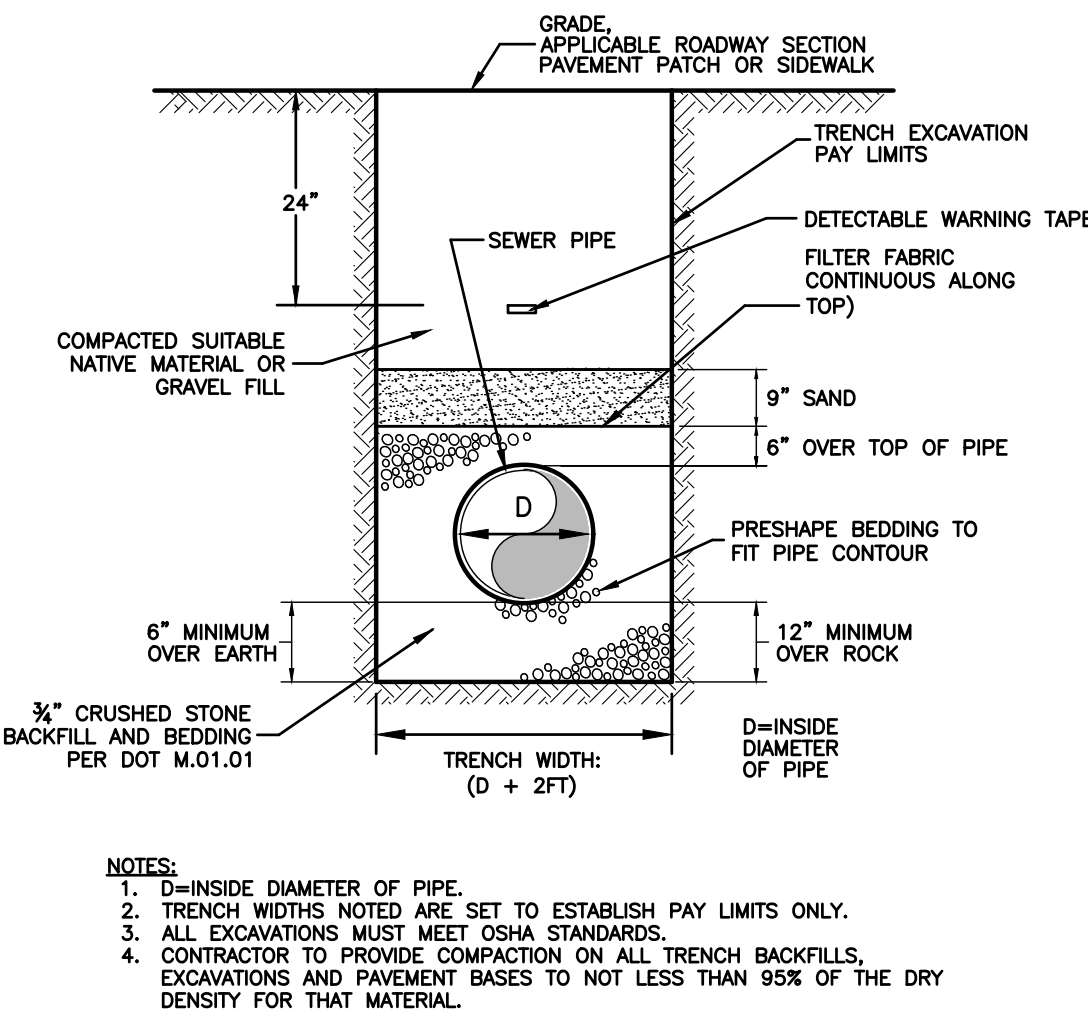
STANDARD D-BOX  
NOT TO SCALE



12' x 48' LEACHING TRENCH  
NOT TO SCALE

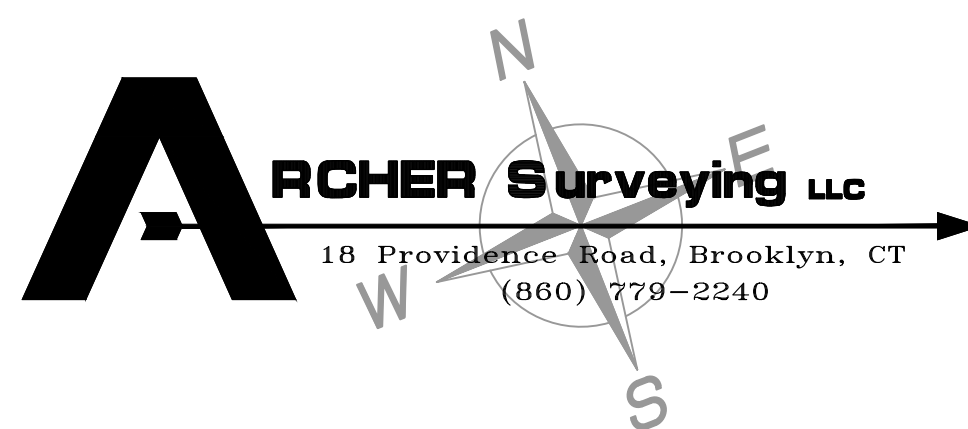


1,000 GALLON SEPTIC TANK  
NOT TO SCALE

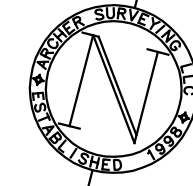


- NOTES:
1. D=INSIDE DIAMETER OF PIPE.
  2. TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
  3. ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
  4. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL.

TRENCH DETAIL: SANITARY SEWER PIPE  
NOT TO SCALE







Magnetic

N/F  
Corey Merow & Elizabeth Kelly  
Map 22 // Lot 6

N/F  
David & Amanda Bernier  
Map 22 // Lot 33-5

N/F  
Stuyinski Revocable  
Family Trust  
Map 21 // Lot 37

N/F  
Town of Brooklyn  
Map 21 // Lot 8

N/F  
Charles & William Tyler  
Map 21 // Lot 1

## LEGEND

	PROPERTY LINE
	EASEMENT
	STONEWALL
	STONEWALL REMAINS
	EXISTING TREELINE
	PROPOSED CLEARING LIMITS
	SILT FENCE
	EXISTING INDEX CONTOUR
	EXISTING CONTOUR
	PROPOSED CONTOUR
	WETLANDS FLAG
	BUILDING SETBACK
	IRON PIN FOUND
	DRILL HOLE FOUND
	IRON PIN SET
	DRILL HOLE SET
	FENCE POST
	PERCOLATION TEST
	TEST PIT
	PROPERTY POINT
	UTILITY POLE
	TREE WITH FENCE

## Notes

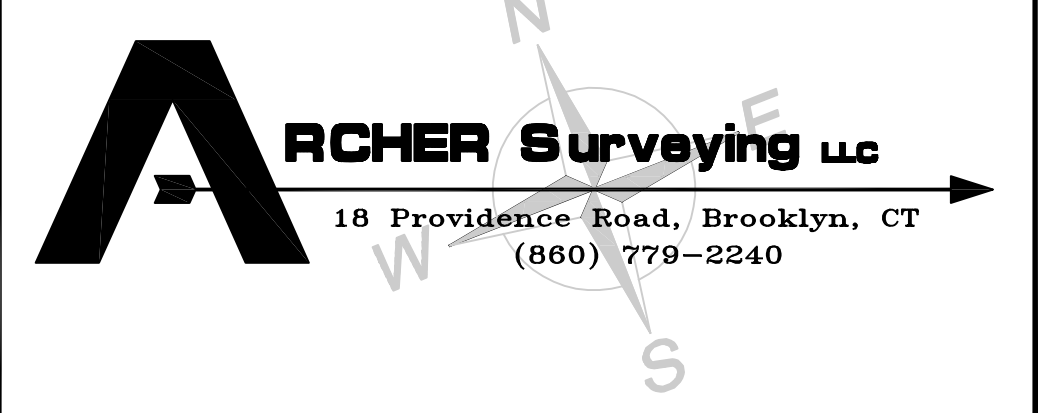
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996
- This Survey conforms to a Class "A2" Horizontal Accuracy
- Survey Type: Conservation Subdivision Plan
- Boundary Determination: Resurvey on Existing Boundary Original on Proposed Boundary
- Intent: 5 Lot Subdivision
- Total Area of Subdivision = 14.17 Acres
- Zone = RA
- Owner / Applicant = Eric Lehto, VBL Properties LLC  
8 Finn Lane, Plainfield, CT 06314
- Parcel is shown as Lot #38 on Assessor's Map #22
- This Subdivision does include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
- Wetlands shown were flagged in the field by Joseph Theroux, Certified Soil Scientist in April 2018
- There are not Known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
- Parcel does not lie within an aquifer protection area
- The Subdivision Regulations of the Town of Brooklyn are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications are on file in the office of the commission.
- North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
- Passive Solar Energy techniques were considered in the design of the subdivision

## Subdivision Plan "Proposed 6 Lots"

Prepared For:  
VBL Properties LLC  
Beecher Road  
Brooklyn, Connecticut

DRAWING SCALE: 1"=70'

0 35 70 140

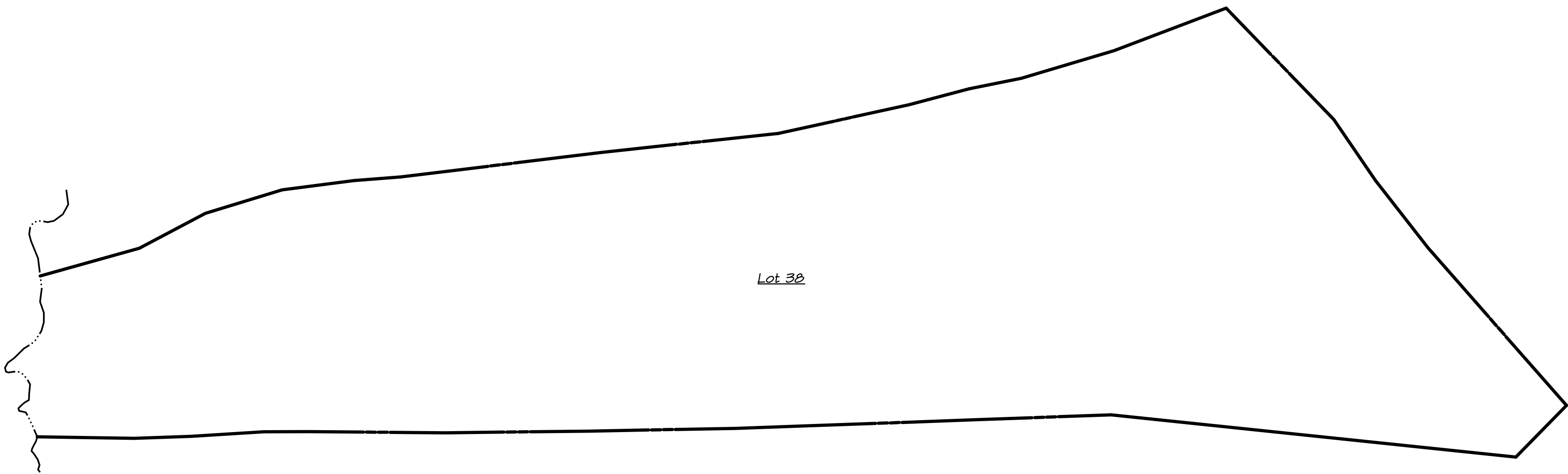


Sheet No. 3 of 8 Project No. 1500 Date: June 2020

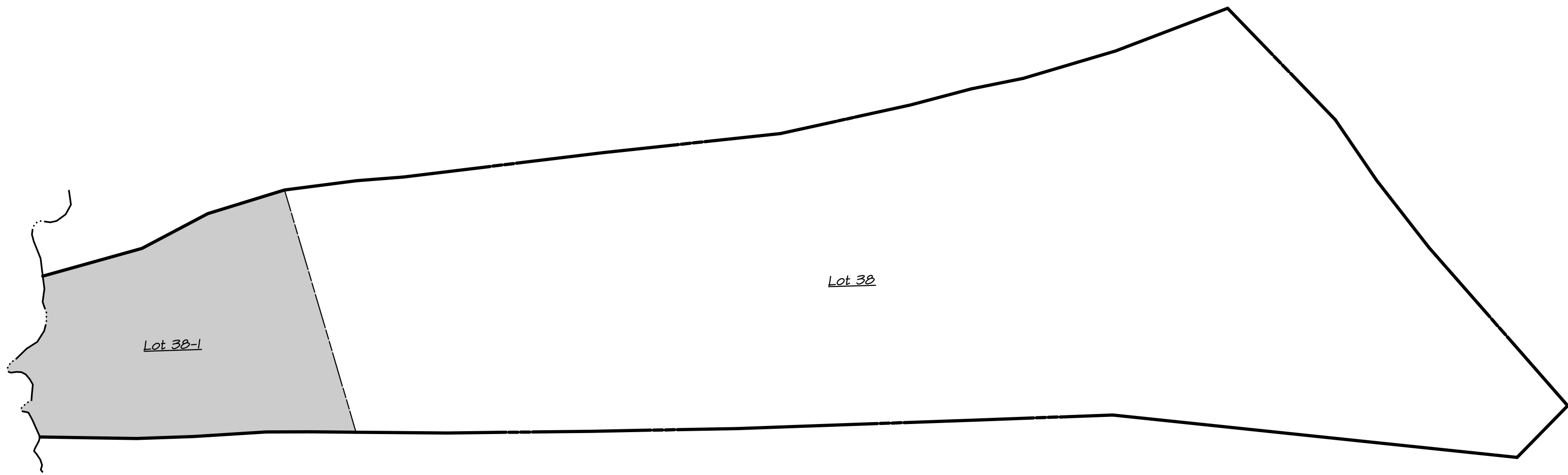
REVISIONS	



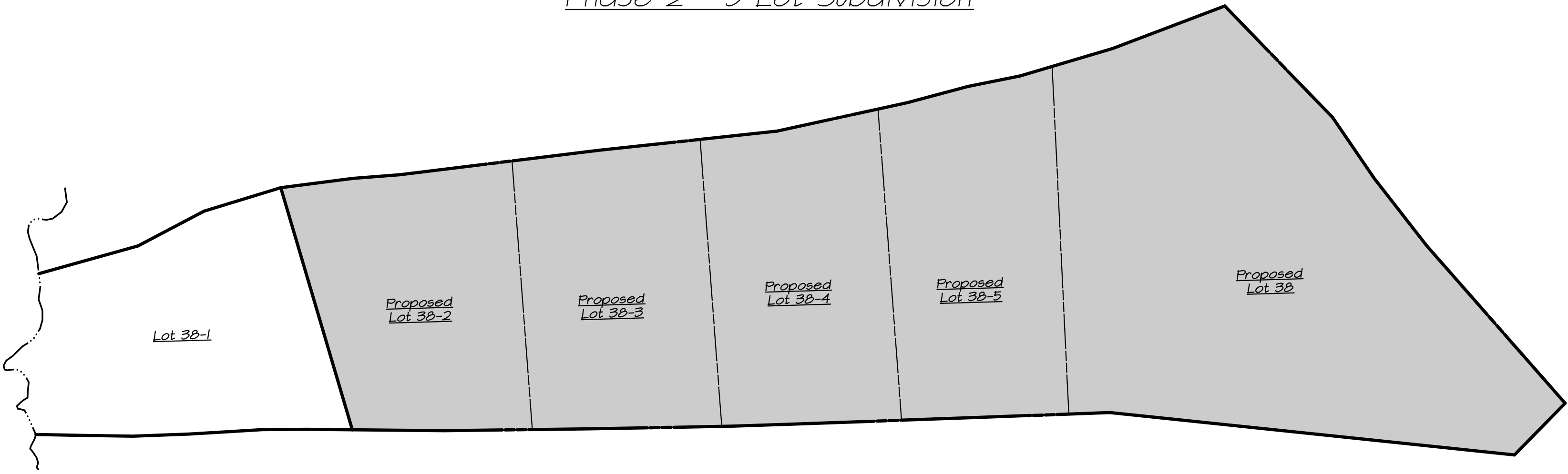
Original Tract



Phase I - Free Split



Phase 2 - 5 Lot Subdivision

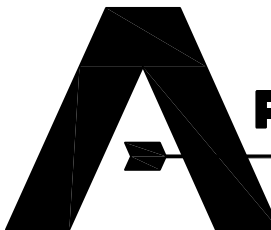



Grantor	Grantee	Date	Vol. / Pg.
	Paul Ashworth	September 1992	129 / 87
Paul Ashworth	Bruce Ashworth & Judith Mullaney	September 1993	142 / 211
Bruce Ashworth & Judith Mullaney	Judith Mullaney Trust	January 1999	204 / 263
Judith Mullaney Trust	VBL Properties LLC	October 2016	503 / 259

History Plan  
"Proposed 5 Lot Subdivision"

Prepared For:  
VBL Properties LLC  
Beecher Road  
Brooklyn, Connecticut



**ARCHER Surveying LLC**  
18 Providence Road, Brooklyn, CT  
(860) 779-2240



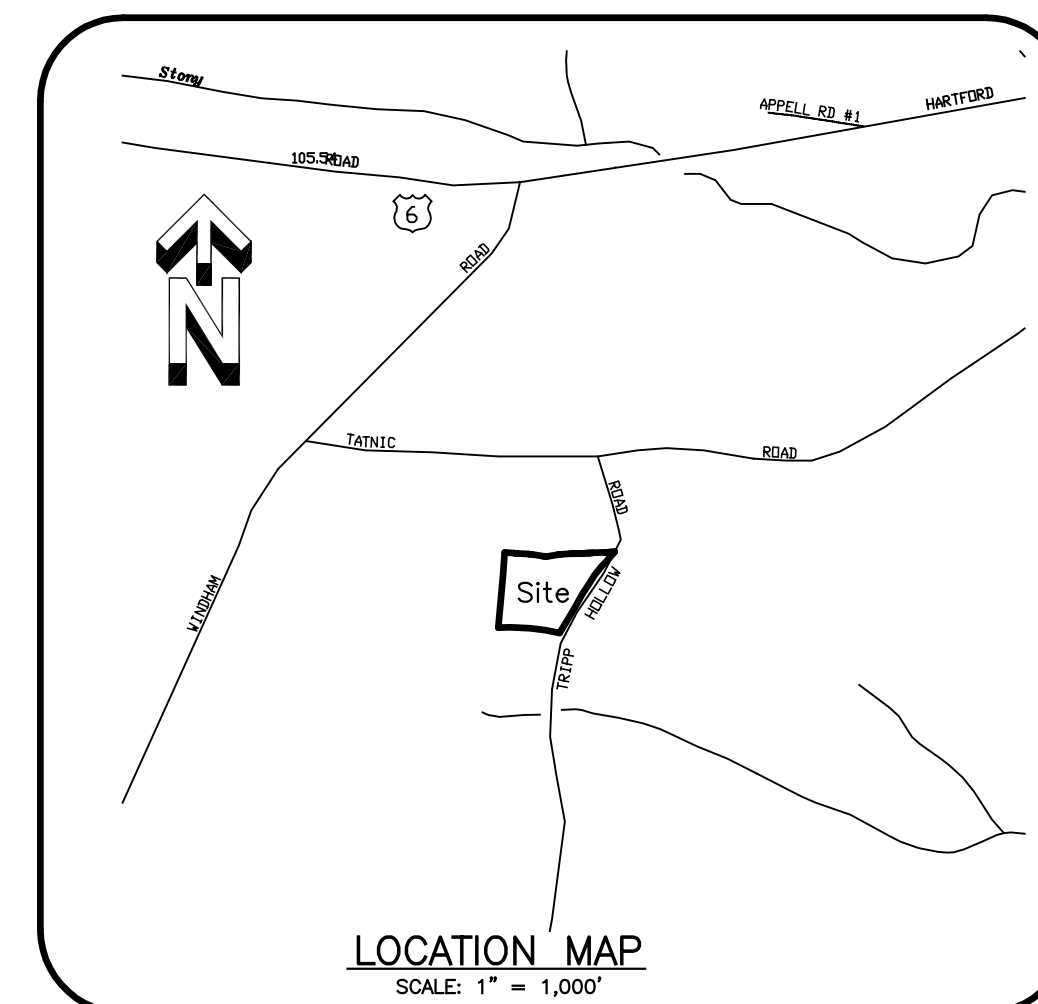
# 2 LOT SUBDIVISION

PREPARED FOR

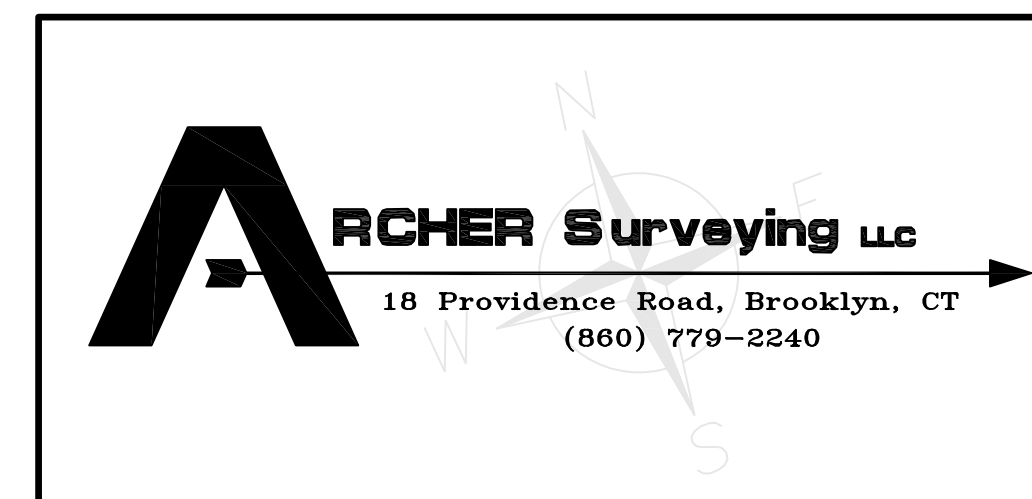
## A.Kausch and Sons LLC

Tripp Hollow Road  
Brooklyn, Connecticut

May 28, 2020



PREPARED BY



APPROVED BY THE BROOKLYN  
INLAND WETLANDS COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_  
Expiration date per section 22A-42A of the Connecticut  
General Statutes. Date: \_\_\_\_\_

APPROVED BY THE BROOKLYN  
PLANNING AND ZONING COMMISSION

CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_  
Expiration date per section 8-26C of the Connecticut  
General Statutes. Date: \_\_\_\_\_

I have reviewed the inland-wetlands shown on this plan  
and they appear to be substantially the same as those  
which I delineated in the field.

\_\_\_\_\_  
Certified Soil Scientist

### INDEX OF DRAWINGS

COVER SHEET	SHEET 1 OF 5
SUBDIVISION	SHEET 2 OF 5
SITE DEVELOPMENT PLAN	SHEET 3 OF 5
DETAIL SHEET	SHEET 4 OF 5
HISTORY & PARCEL MAP	SHEET 5 OF 5

SELECT FILL SPECIFICATION

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS PER THE CONNECTICUT PUBLIC HEALTH CODE FOR USE WITHIN THE LEACHING AREA:

- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SLEEVE.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SLEEVE (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 FOLLOWIG CRITERIA:

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

\* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.

SEPTIC NOTES

- PROPOSED SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
- A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEM.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO STD-3034 AND SDR-35.
- SYSTEMS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
- CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEMS AND HOUSES ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
- ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS..

DEEP TEST PIT DATA / SOIL DESCRIPTIONS

PERFORMED BY:Sherry McGann

WITNESSED BY:NORTHEAST DISTRICT DEPARTMENT OF HEALTH DATE: 11/19/2019

TEST PIT: 1

0" - 6" Topsoil  
6" - 30" OB Fine Sandy Loam  
30" - 39" Mottled GR Very Fine Loamy Sand  
39" - 63" TW Gravelly Med - Coarse Sand

MOTTLES: 30"

GROUNDWATER: NO

LEDGE: 63"

ROOTS: NO

RESTRICTIVE: NO

TEST PIT: 2

0" - 15" Topsoil  
15" - 33" OB Fine Sandy Loam  
33" - 59" Mottled TW/GR Gravelly Med-Coarse Sand

MOTTLES: 33"

GROUNDWATER: NO

LEDGE: 59"

ROOTS: NO

RESTRICTIVE: NO

TEST PIT: 3

0" - 7" Topsoil  
7" - 29" OB Fine Sandy Loam  
29" - 80" Mottled, TW/GR Loamy Fine Sand with Gravel

MOTTLES: 29"

GROUNDWATER: Seep at 59"

LEDGE: NO

ROOTS: 29"

RESTRICTIVE: NO

TEST PIT: 4

0" - 8" Topsoil  
8" - 28" OB Fine Sandy Loam  
28" - 79" Mottled, GR Loamy Fine Sand with Gravel

MOTTLES: 28"

GROUNDWATER: Seeps at 70"

LEDGE: NO

ROOTS: 28"

RESTRICTIVE: NO

PERCOLATION DATA

PERC A - DEPTH 24"

TIME	DROP (INCHES)
1:49	6.0
1:59	12.5
2:11	15.25
2:21	17.0
2:31	18.25
2:41	19.5

PERCOLATION RATE > 8.0 MIN./IN.

NOTES:  
PERCOLATION TEST PERFORMED ON 11/19/2019  
PERFORMED BY Sherry McGann

PERCOLATION DATA

PERC B - DEPTH 25"

TIME	DROP (INCHES)
2:01	2.25
2:09	7.5
2:19	12.5
2:29	15.25
2:39	17.0
2:49	18.5

PERCOLATION RATE > 6.67 MIN./IN.

NOTES:  
PERCOLATION TEST PERFORMED ON 11/19/2019  
PERFORMED BY Sherry McGann

Notes

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Associations of Land Surveyors, Inc. on September 26, 1996
  - This Survey conforms to a Class "C" Horizontal Accuracy
  - This Survey conforms to a Class "T-2" Vertical Accuracy
  - Survey Type: Site Development Plan
  - Boundary Determination: Resurvey
  - Intent: 2 Lot Subdivision
- Parcels shown as Lots 4 on Assessors Tax Map 15 of the Brooklyn Assessors Office
- Zone: RA
- This Subdivision does include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
- Wetlands shown were flagged in the field by Joseph Theroux in December 2019.
- There are not Known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
- Parcel does not lie within an aquifer protection area
- The Subdivision Regulations of the Town of Brooklyn are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications are on file in the office of the commission.
- North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
- Passive Solar Energy techniques were considered in the design of the subdivision.
- All electrical services shall be underground.

CONCEPT SEPTIC SYSTEM DESIGN

LOT 4-1  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 6.7 MIN./INCH (NDDH FILE #20000128)  
LEACHING AREA REQUIRED: 675 SF

USE ELJEN'S MANTIS 536-8  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 11.0 SF/LF  
REQUIRED LENGTH = 675 SF / 11 SF/LF = 61.4 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 28"  
SLOPE = 3.0%  
HYDRAULIC FACTOR (HF) = 42  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.0 (UP TO 10 MIN./INCH)  
MLSS REQUIRED: 42 x 1.5 x 1.0 = 63.0 LF

PROPOSED SYSTEM  
USE 1 ROW OF 63 LF  
LEACHING AREA PROVIDED = 693 SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM

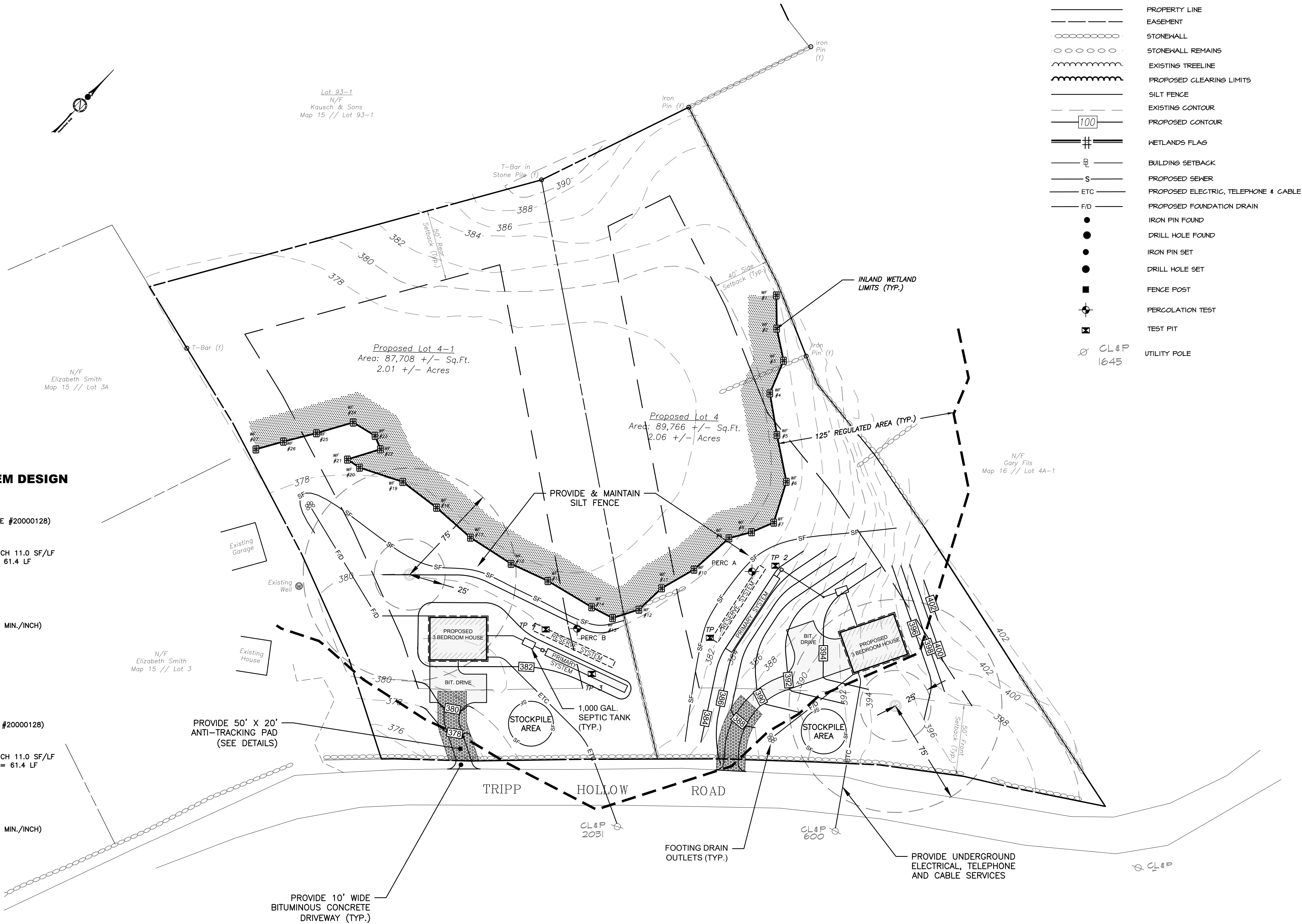
LOT 4  
PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 8 MIN./INCH (NDDH FILE #20000128)  
LEACHING AREA REQUIRED: 675 SF

USE ELJEN'S MANTIS 536-8  
EFFECTIVE LEACHING AREA OF LEACHING TRENCH 11.0 SF/LF  
REQUIRED LENGTH = 675 SF / 11.0 SF/LF = 61.4 LF

MLSS CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER = 30"  
SLOPE = 10.0%  
HYDRAULIC FACTOR (HF) = 26  
FLOW FACTOR (FF) = 1.5  
PERCOLATION FACTOR (PF) = 1.0 (UP TO 10 MIN./INCH)  
MLSS REQUIRED: 26 x 1.5 x 1.0 = 39 LF

PROPOSED SYSTEM  
USE 1 ROW OF 62 LF  
LEACHING AREA PROVIDED = 682 SF

RESERVE LEACHING AREA  
USE SAME AS PRIMARY SYSTEM



Map References

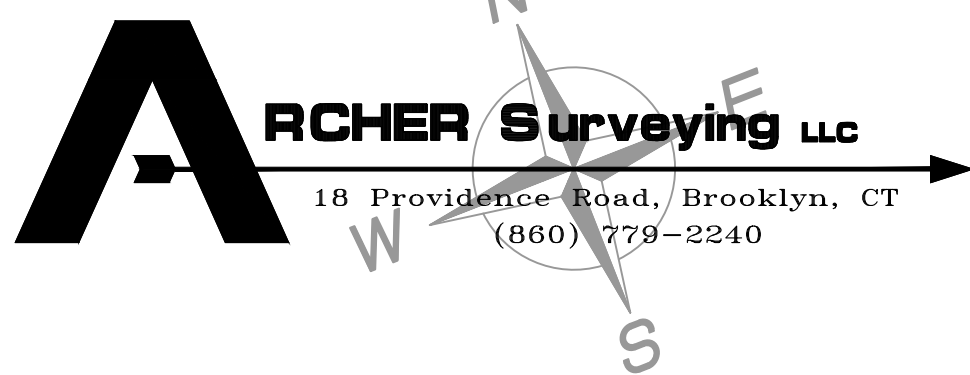
- Boundary Line Modification Prepared for A.Kausch and Sons LLC, Tripp Hollow Road & Tatnic Road, Brooklyn, Connecticut. Dated: March 2020, Scaled: 1"=50', Prepared by Archer Surveying LLC
- Subdivision Plan Prepared for Richard & Estelle Perrone, Tatnic & Tripp Hollow Road, Brooklyn, Connecticut, Dated: September 2004, Scaled: 1"=40', Prepared by PC Survey Associates LLC
- Subdivision Plan Prepared for Stanley & Jean Karro and Vincent & Helvi Larson, Windham Road and Tatnic Road, Brooklyn, Connecticut, Dated: May 2004, Scaled: 1"=80', Prepared by KWP

To My Knowledge and Belief this Map is substantially Correct as noted hereon.

Robert A. DeLuca, P.E. #18756

Date

SCALE: 1"=40'



CLA Engineers, Inc.  
Civil • Structural • Surveying

317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

A. KAUSCH & SONS

2 LOT SUBDIVISION  
TRIPP HOLLOW ROAD  
BROOKLYN, CT

SITE DEVELOPMENT PLAN

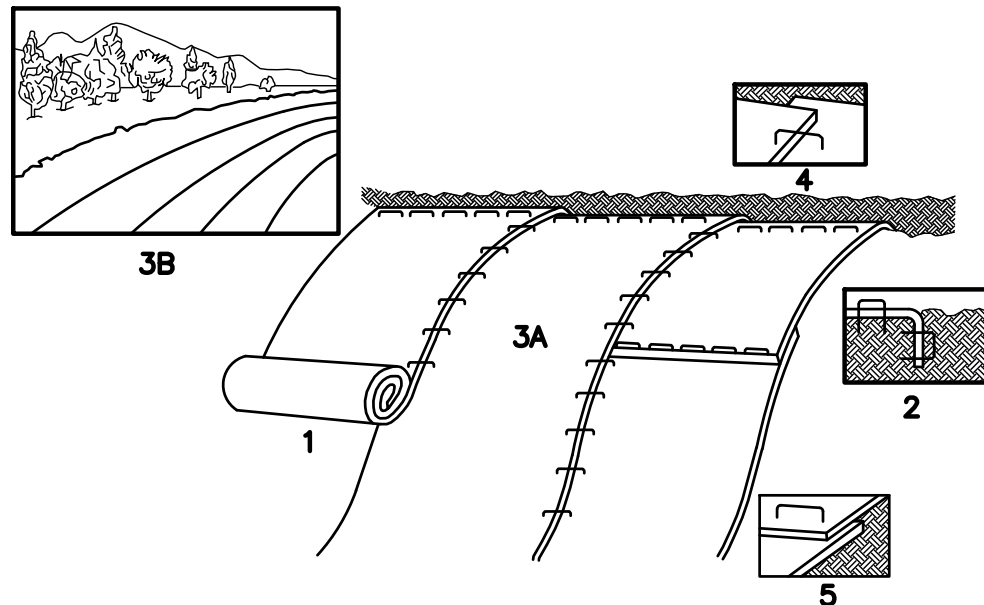
Project No.  
CLA-6497  
Proj. Engineer  
D.H.  
Date:  
03/18/20  
Sheet No.  
1

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
8. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS SHOWN IN THE HAY-BALE BARRIER DEWATERING DETAIL OR ALTERNATE METHOD PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1). IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
11. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
12. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
13. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
14. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
15. THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION.

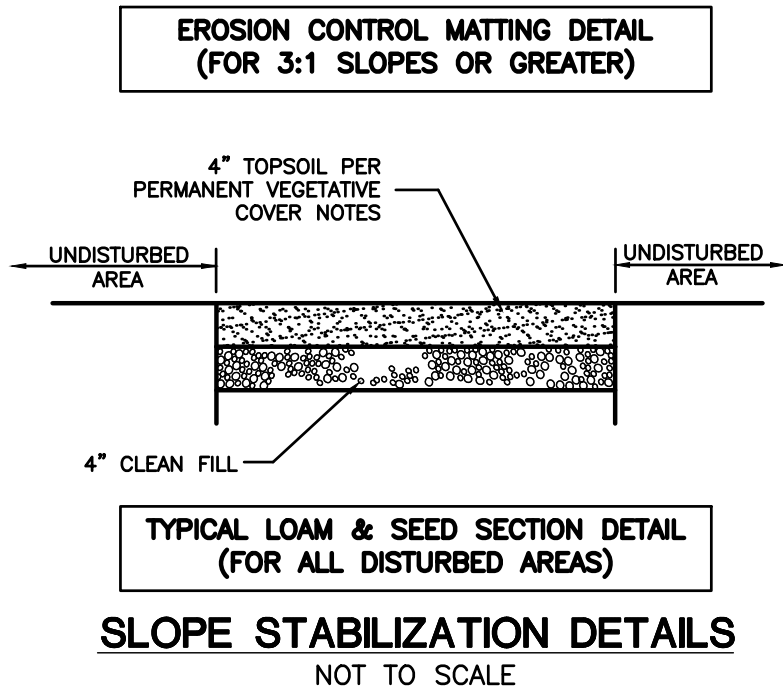
NOTE: THE CONTRACTOR SHALL CONTINUALLY STORE THE FOLLOWING MATERIALS ONSITE DURING CONSTRUCTION TO MEET UNEXPECTED EROSION NEEDS

- \* 100 LF OF SILT FENCE
- \* 10 HAY BALES
- \* 10 CY OF WOOD CHIPS OR CRUSHED STONE



1. PROVIDE 4" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LOAM, SEED, FERTILIZE & MULCH)
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C1228N OR APPROVED EQUAL.



TEMPORARY VEGETATIVE COVER

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSEMED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. Limestone AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

PERMANENT VEGETATIVE COVER

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 1000 S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

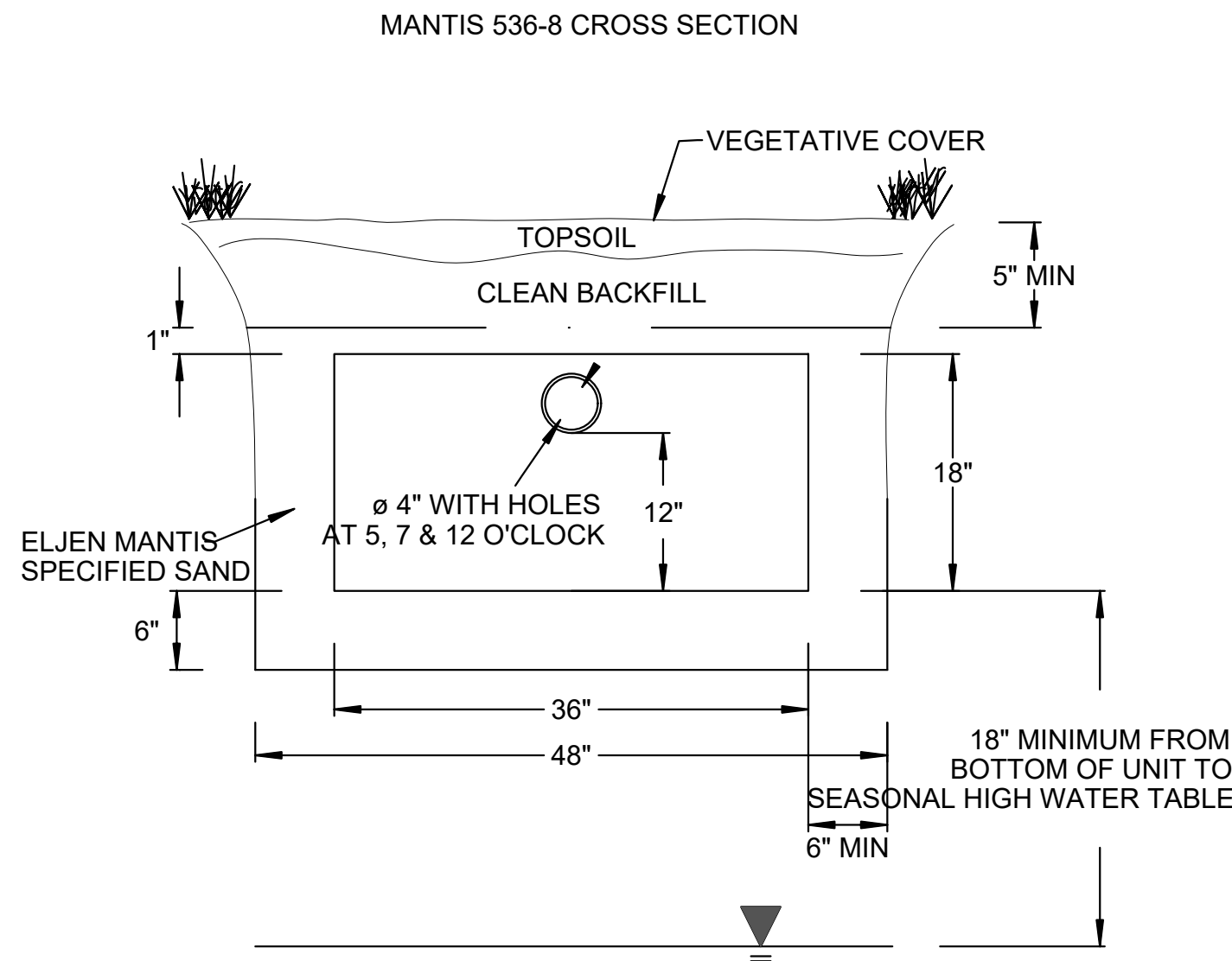
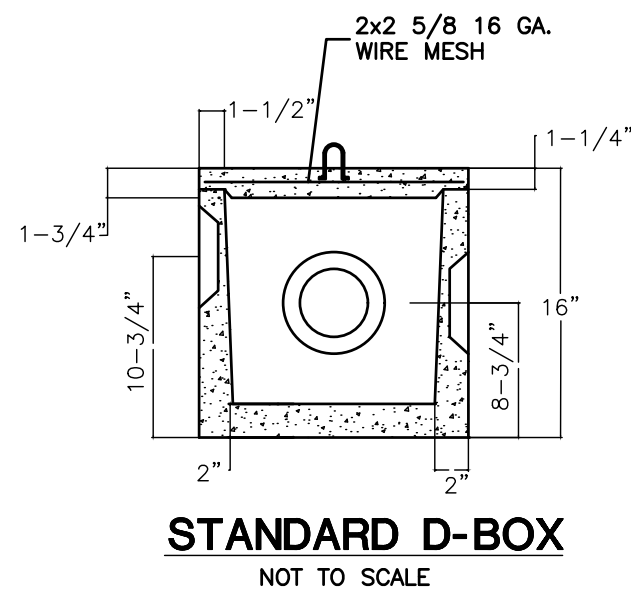
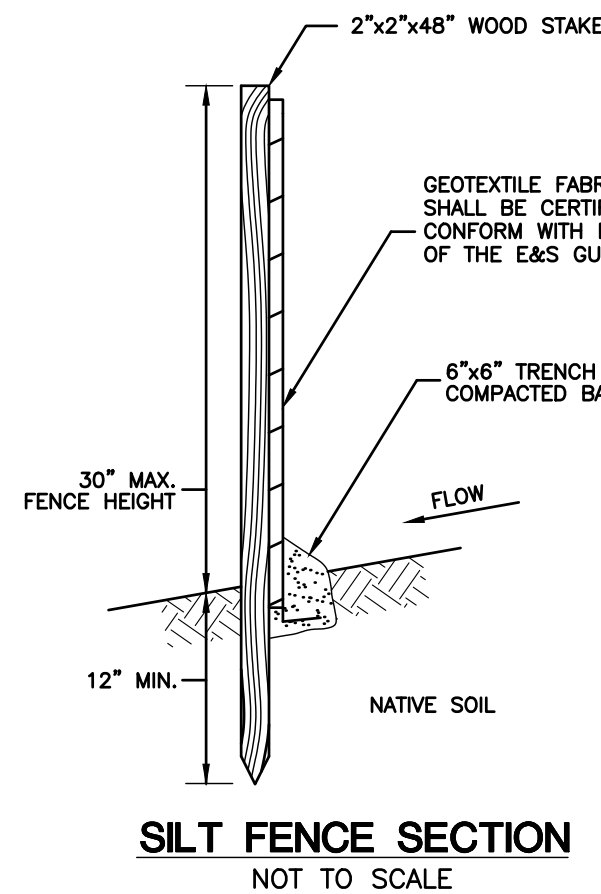
TYPICAL SEED MIXTURE

ALL DISTURBED AREAS

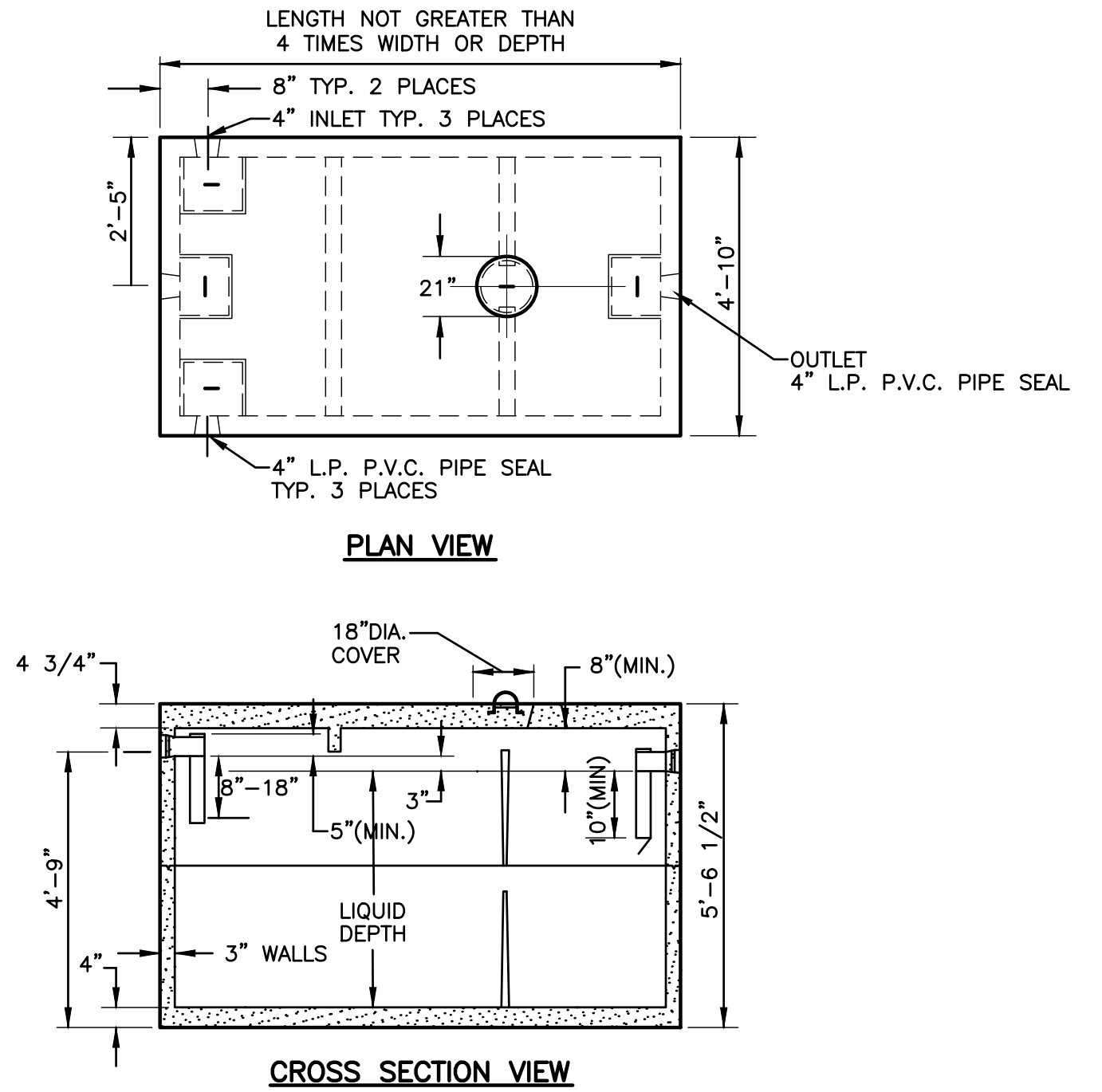
KENTUCKY BLUEGRASS  
CREEPING RED FESCUE  
PERENNIAL RYEGRASS

LBS./ACRE	LBS./1000 S.F.
20	0.45
20	0.45
5	0.10
45	1.00

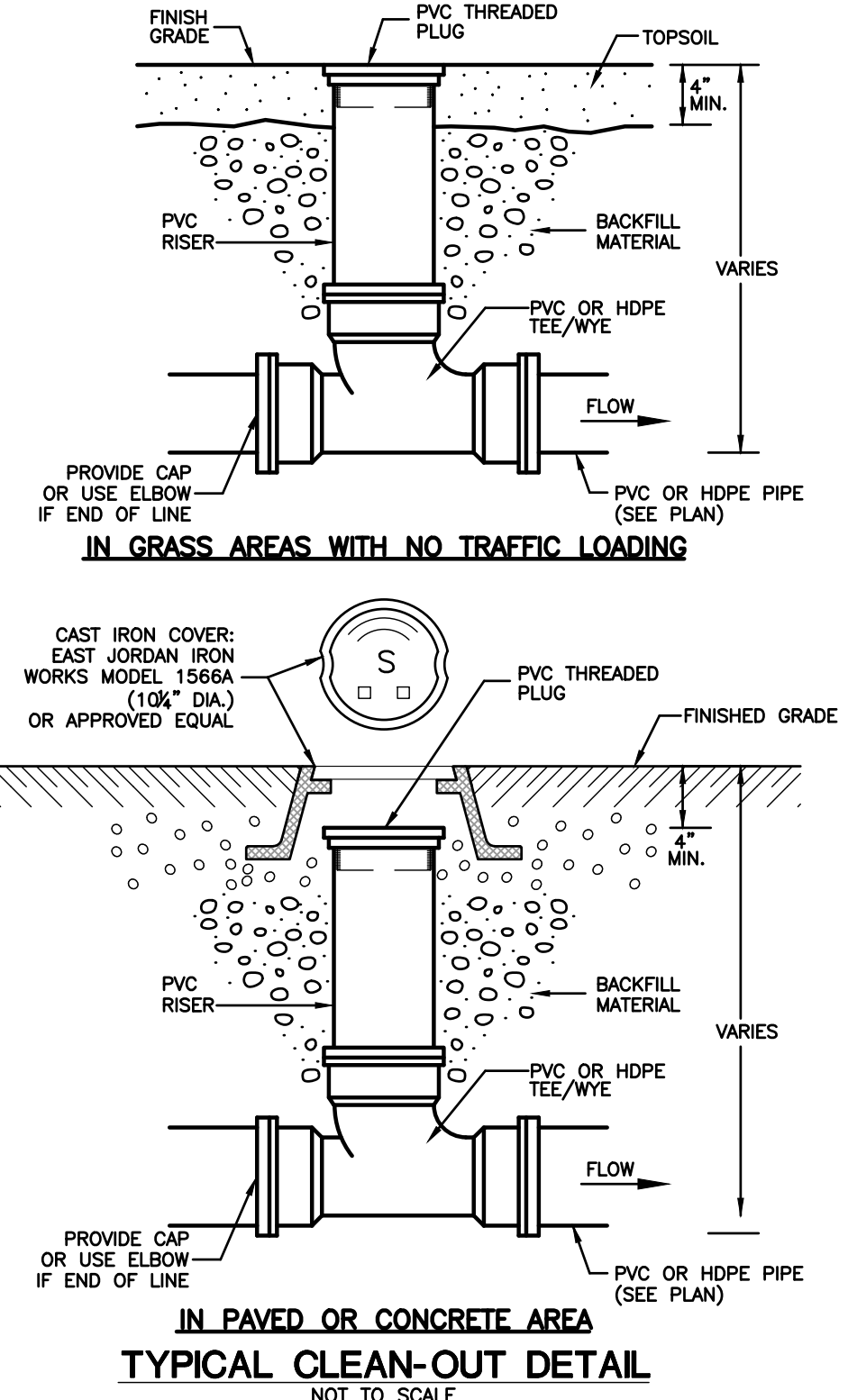
	0.50
	0.05
	0.50
	1.05



NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE



1,000 GALLON SEPTIC TANK  
NOT TO SCALE



**Archer Surveying LLC**  
18 Providence Road, Brooklyn, CT  
(860) 779-2240

No.	DATE	REVISION
2	06/03/20	VARIOUS MODIFICATIONS
1	06/01/20	VARIOUS MODIFICATIONS

**CLA Engineers, Inc.**  
CIVIL • STRUCTURAL • SURVEYING

317 Main Street Norwich, CT 06360  
(860) 886-1966 Fax (860) 886-9165

**A. KAUSCH & SONS**

**2 LOT SUBDIVISION  
TRIPP HOLLOW ROAD  
BROOKLYN, CT**

**CONSTRUCTION DETAILS**

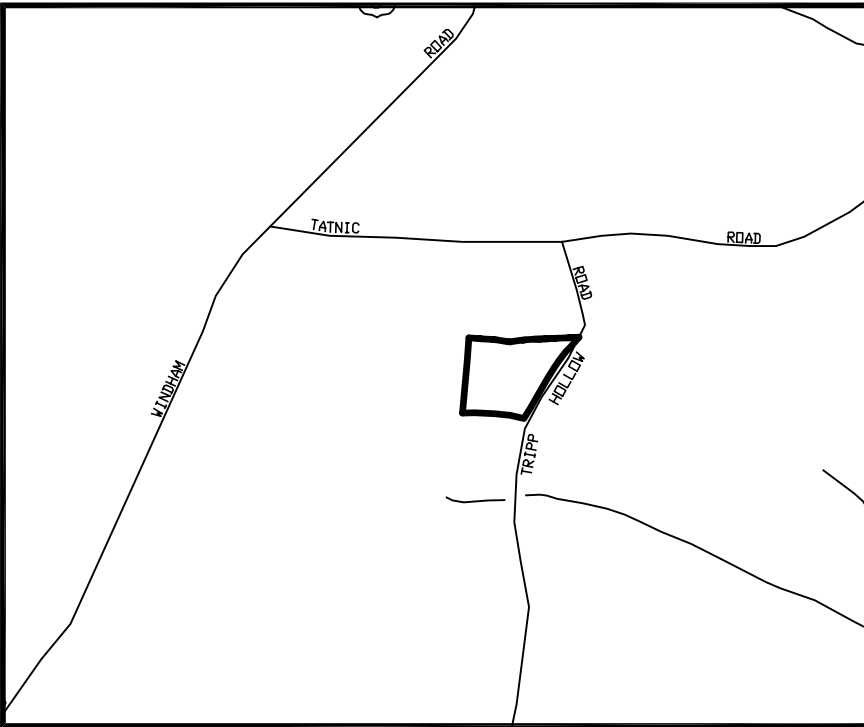
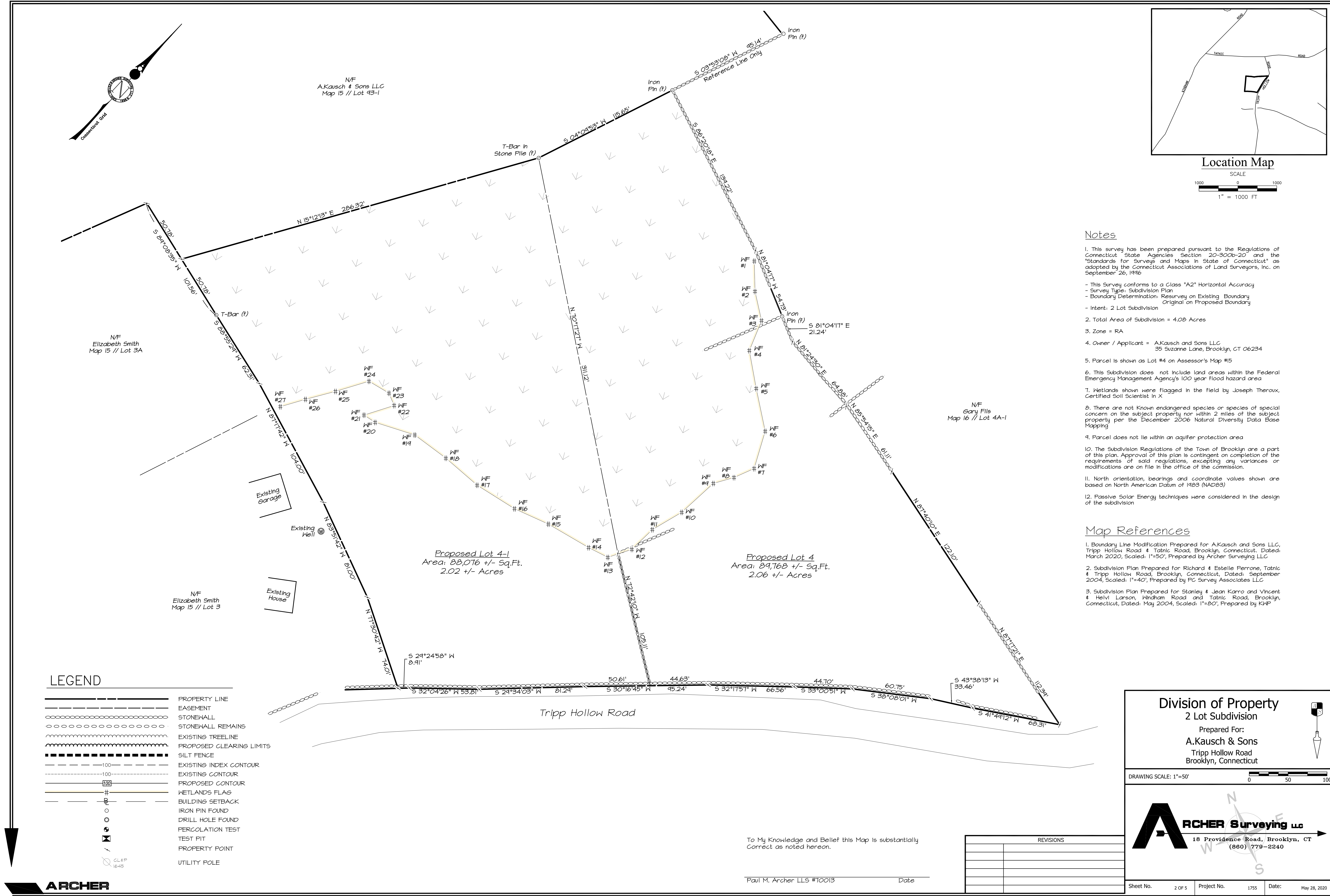
Project No.  
CLA-6497

Proj. Engineer  
D.H.

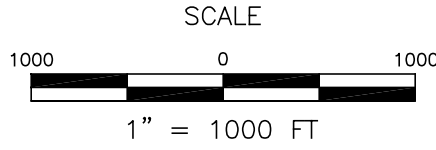
Date:  
03/18/20

Sheet No.  
**2**





Location Map



Notes

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-20 and the "Standards for Surveys and Maps in State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
- This Survey conforms to a Class "A2" Horizontal Accuracy
- Survey Type: Subdivision Plan
- Boundary Determination: Resurvey on Existing Boundary Original on Proposed Boundary
- Intent: 2 Lot Subdivision
2. Total Area of Subdivision = 4.08 Acres
3. Zone = RA
4. Owner / Applicant = A.Kausch and Sons LLC  
35 Suzanne Lane, Brooklyn, CT 06234
5. Parcel is shown as Lot #4 on Assessor's Map #15
6. This Subdivision does not include land areas within the Federal Emergency Management Agency's 100 year flood hazard area
7. Wetlands shown were flagged in the field by Joseph Theroux, Certified Soil Scientist in X
8. There are not Known endangered species or species of special concern on the subject property nor within 2 miles of the subject property per the December 2006 Natural Diversity Data Base Mapping
9. Parcel does not lie within an aquifer protection area
10. The Subdivision Regulations of the Town of Brooklyn are a part of this plan. Approval of this plan is contingent on completion of the requirements of said regulations, excepting any variances or modifications are on file in the office of the commission.
11. North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD83)
12. Passive Solar Energy techniques were considered in the design of the subdivision

Map References

1. Boundary Line Modification Prepared for A.Kausch and Sons LLC, Tripp Hollow Road & Tatnic Road, Brooklyn, Connecticut. Dated: March 2020, Scaled: 1"=50', Prepared by Archer Surveying LLC
2. Subdivision Plan Prepared for Richard & Estelle Perrone, Tatnic & Tripp Hollow Road, Brooklyn, Connecticut, Dated: September 2004, Scaled: 1"=40', Prepared by PC Survey Associates LLC
3. Subdivision Plan Prepared for Stanley & Jean Karno and Vincent & Helvi Larson, Windham Road and Tatnic Road, Brooklyn, Connecticut, Dated: May 2004, Scaled: 1"=80', Prepared by KMF

LEGEND

- PROPERTY LINE
- EASEMENT
- STONEWALL
- STONEWALL REMAINS
- EXISTING TREELINE
- PROPOSED CLEARING LIMITS
- SILT FENCE
- EXISTING INDEX CONTOUR
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WETLANDS FLAG
- BUILDING SETBACK
- IRON PIN FOUND
- DRILL HOLE FOUND
- PERCOLATION TEST
- TEST PIT
- PROPERTY POINT
- UTILITY POLE

To My Knowledge and Belief this Map is substantially Correct as noted hereon.

Paul M. Archer LLS #10013 Date

REVISIONS	

Division of Property

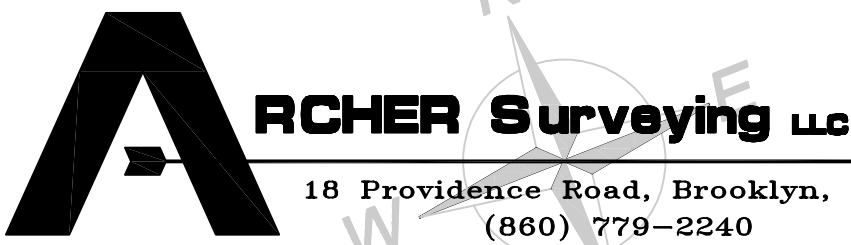
2 Lot Subdivision

Prepared For:

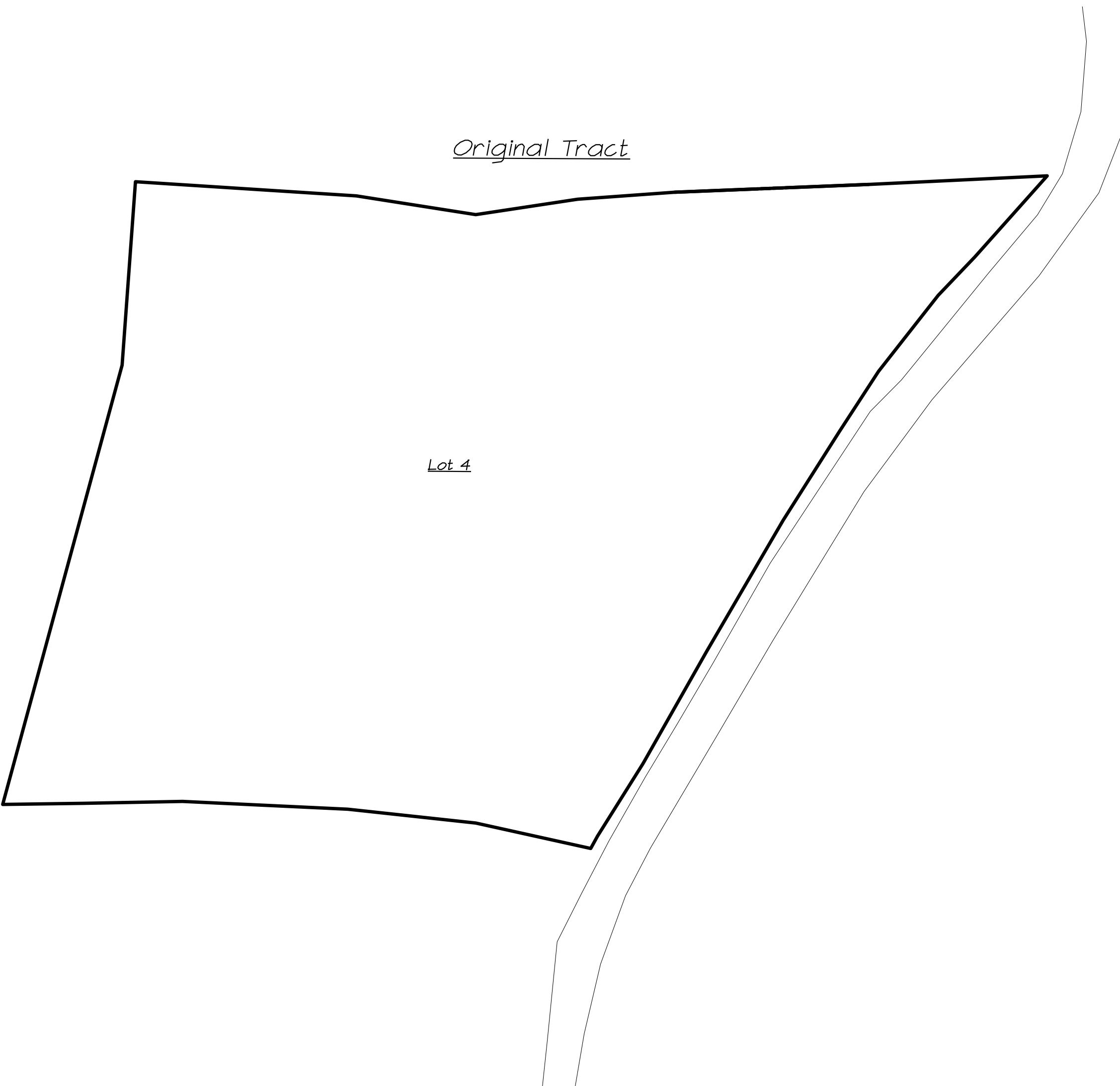
A.Kausch & Sons

Tripp Hollow Road  
Brooklyn, Connecticut

DRAWING SCALE: 1"=50'



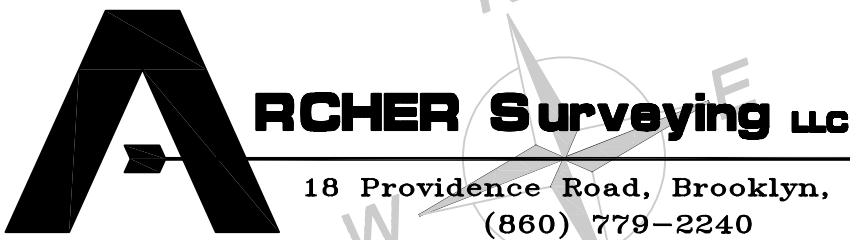
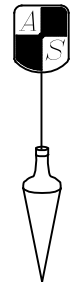
Sheet No. 2 OF 5 Project No. 1755 Date: May 28, 2020



Grantor	Grantee	Date	Vol. / Pg.
	Aarree & Barbara Antila	May 1950	30 / 213
Aarree & Barbara Antila	Alden Smith & Linda Brousseau	February 1985	78 / 1074
Alden Smith & Linda Brousseau	A.Kausch and Sons	December 2019	636 / 13

Parcel History Plan

Prepared For:  
A.Kausch & Sons  
Tripp Hollow Road  
Brooklyn, Connecticut



REVISIONS	