SUBDIVISION APPLICATION

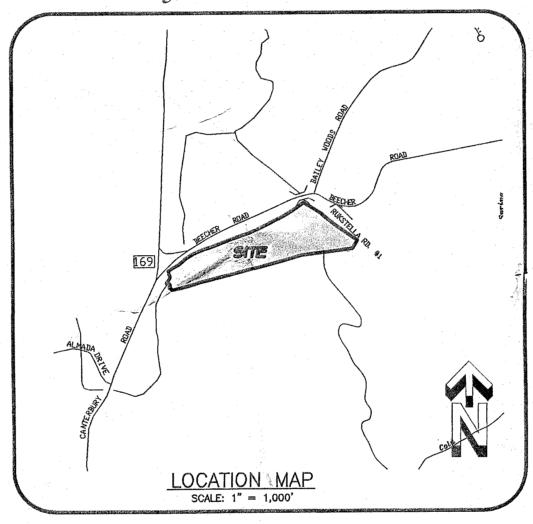
PROPOSED 5 LOT SUBDIVISION

PREPARED FOR

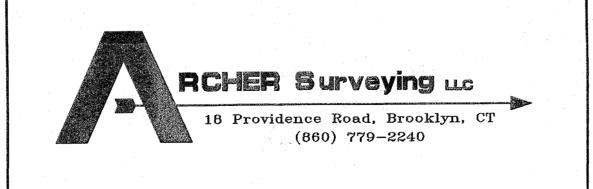
VBL Properties LLC

Beecher Road Brooklyn, Connecticut

June 4, 2020



PREPARED BY





INDEX OF DRAWINGS

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APPROVED BY THE BROOKLYN PLANNING AND ZONING COMMISSION

APPROVED BY THE BROOKLYN

INLAND WETLANDS COMMISSION

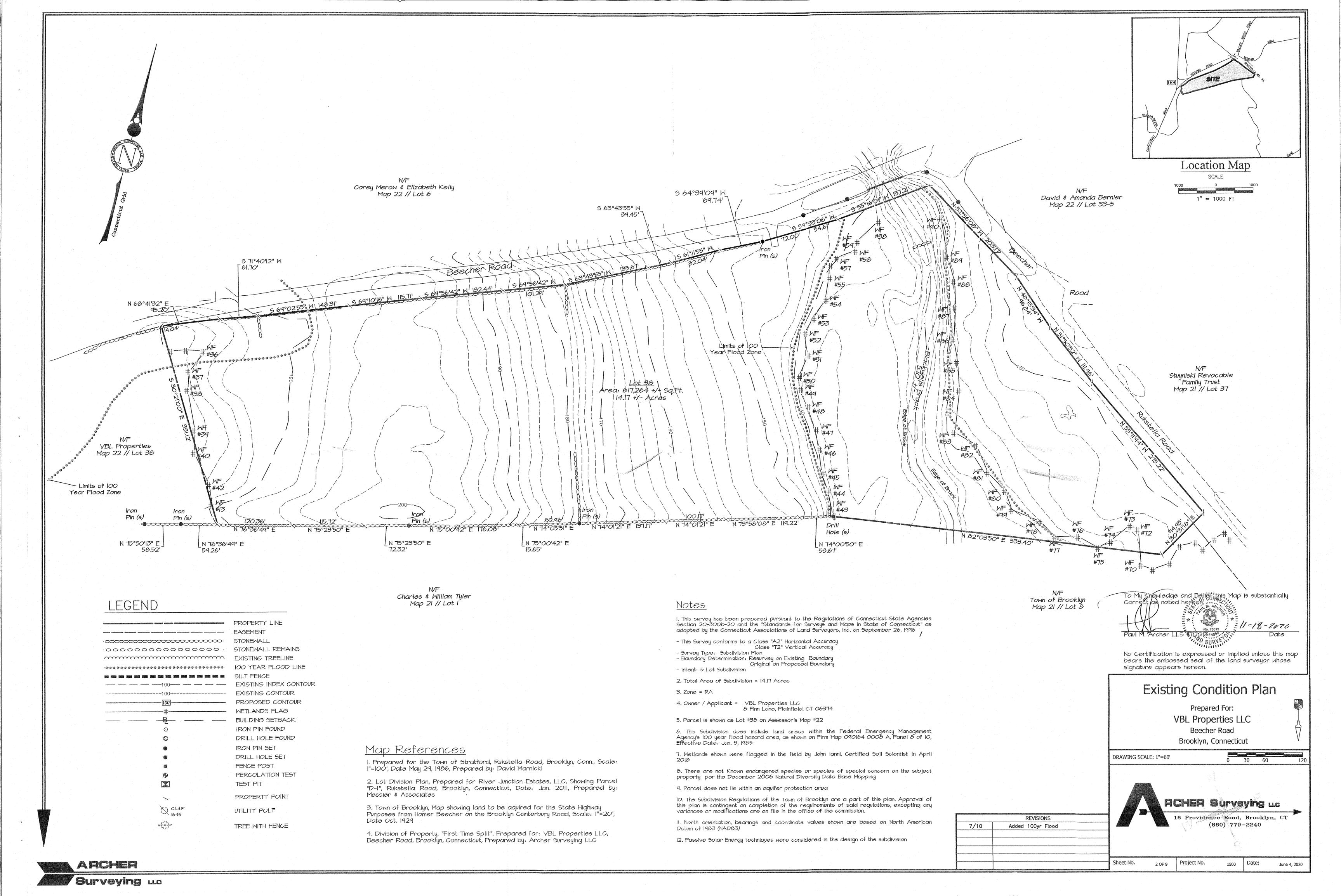
Expiration date per section 22A-42A of the Connecticut

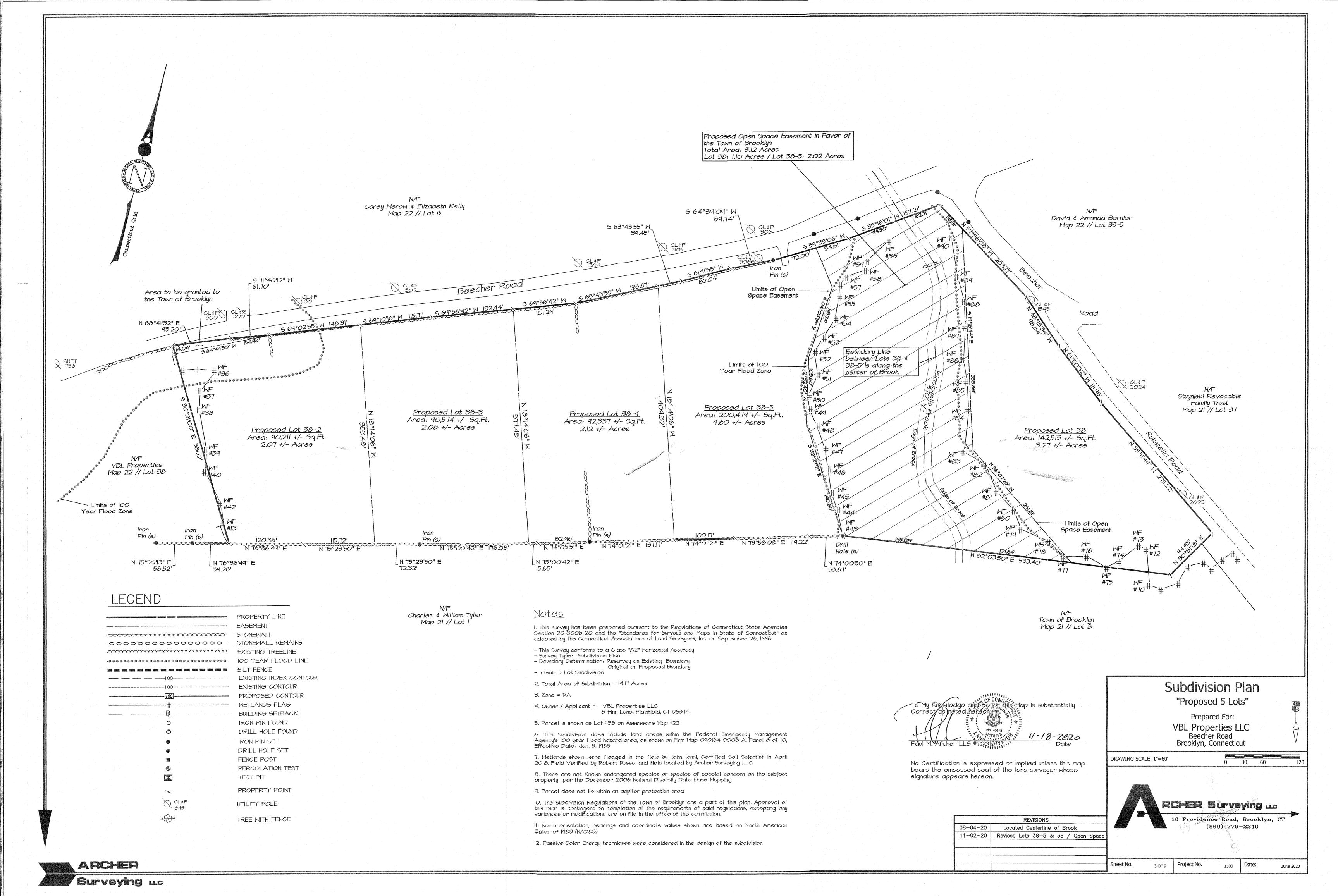
Date:

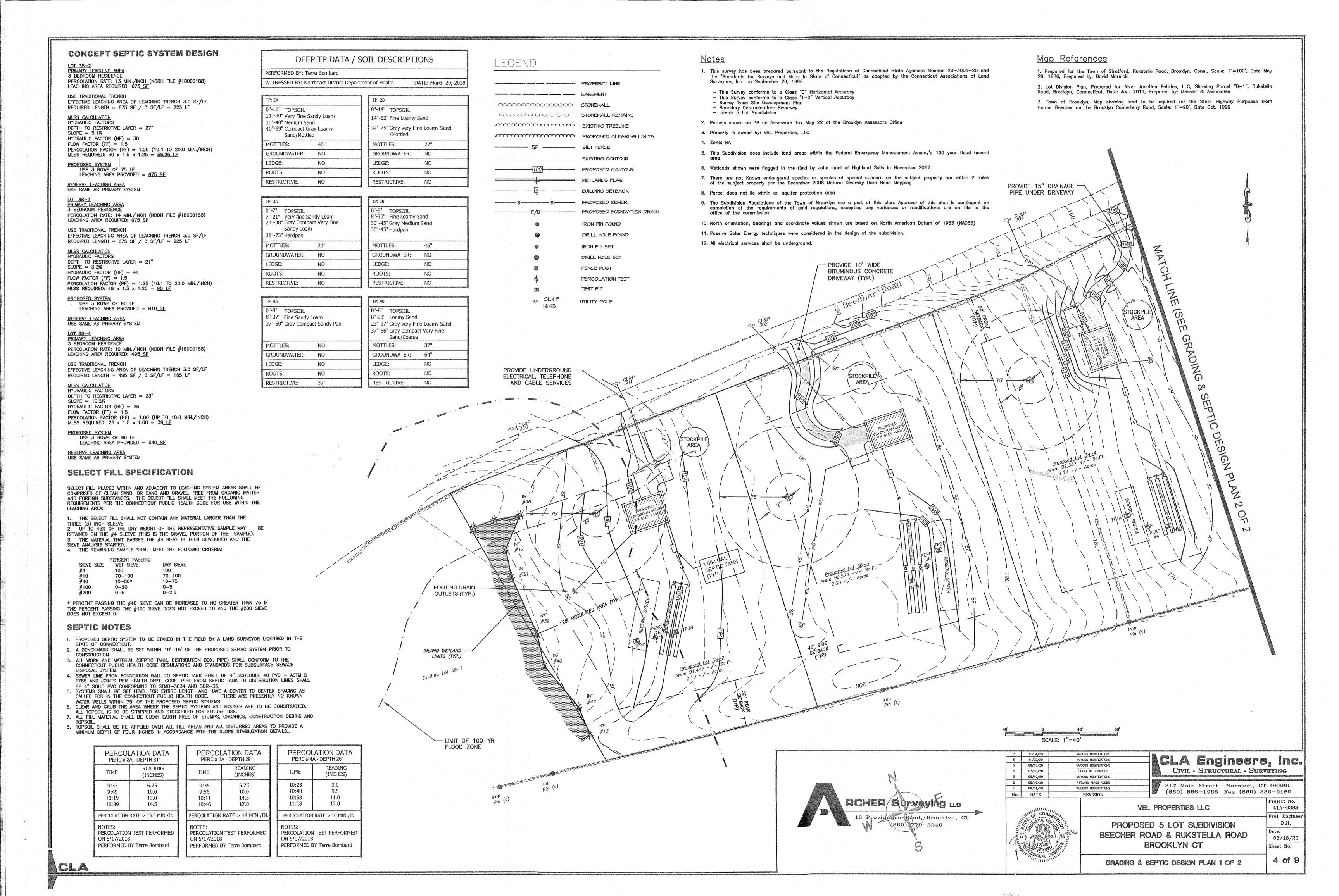
General Statutes.

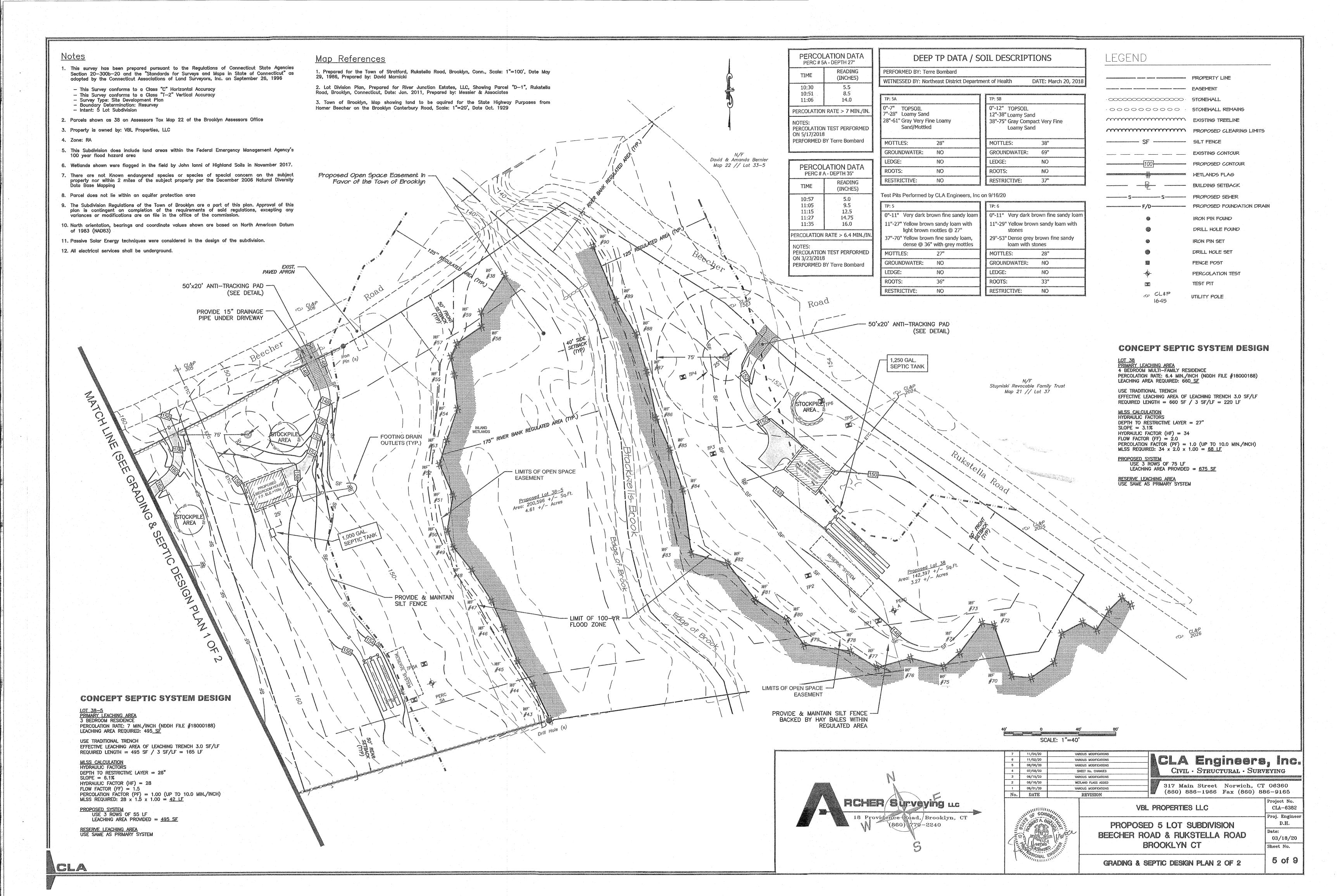
CHAIRMAN DATE

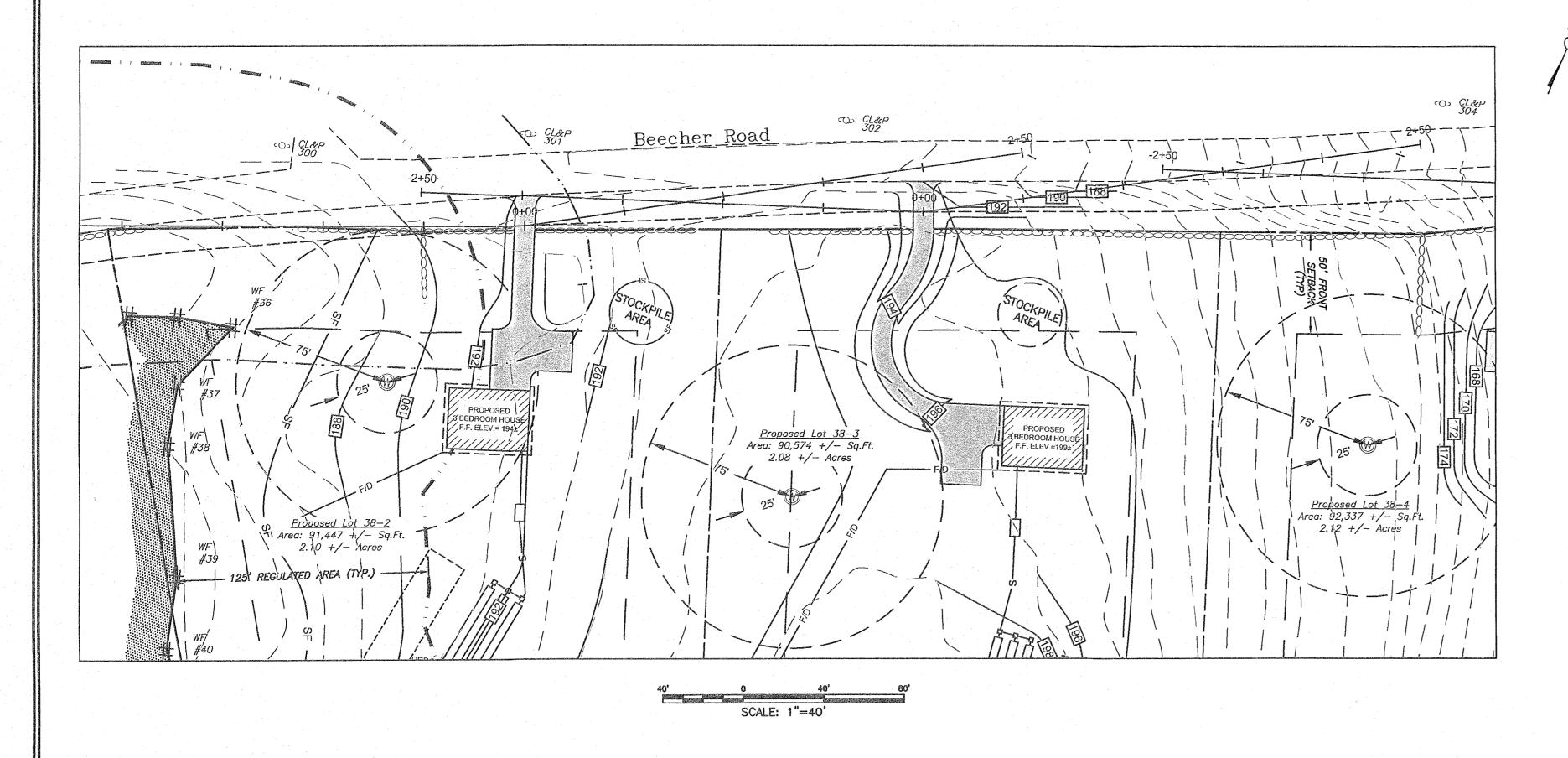
Expiration date per section 8.26C of the Connecticut General Statutes. Date: ______

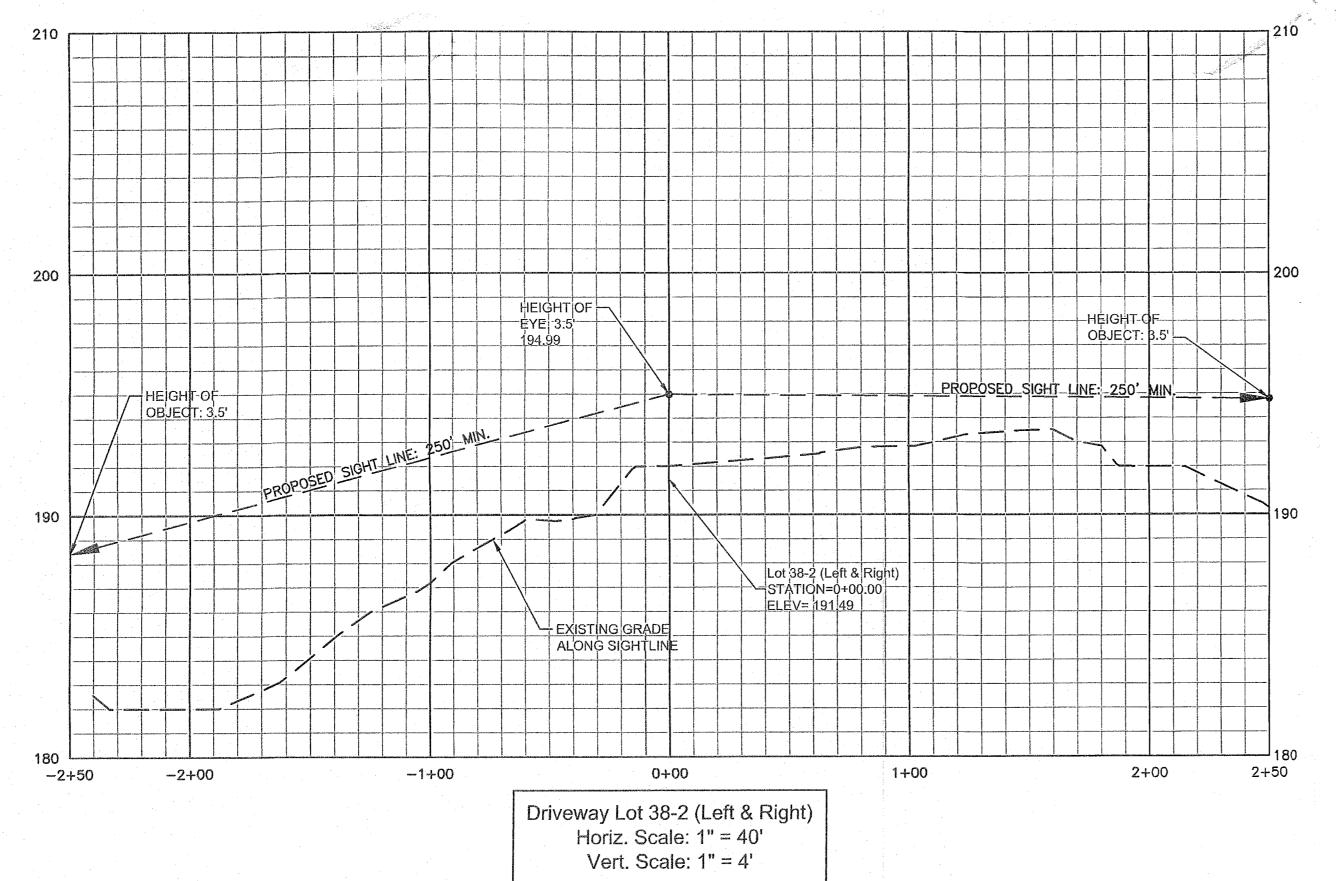












-1+00

VARIOUS MODIFICATIONS GLA Engineers, Inc.
Civil · Structural · Surveying 11/02/20 08/06/20 VARIOUS MODIFICATIONS VARIOUS MODIFICATIONS SHEET No. CHANGES VARIOUS MODIFICATIONS 06/16/20 WETLAND FLAGS ADDED 317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165 06/01/20 VARIOUS MODIFICATIONS No. DATE

REVISION

1+00

HEIGHT OF EYE 3.5

ALONG SIGHTLINE

0+00

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

Lot 38-3 (Left & Right) STATION=-0+00:00

LEXISTING GRADE ALONG SIGHTLINE

ELEV= 192.44

EXISTING EMBANKMENT

BEECHER ROAD

HEIGHT OF OBJECT: 3.5'

2+00

2+50

Project No. CLA-6382

Proj. Engineer

D.H.

03/18/20

6 of 9

Sheet No.

VBL PROPERTIES LLC PROPOSED 5 LOT SUBDIVISION BEECHER ROAD & RUKSTELLA ROAD

BROOKLYN CT

DRIVEWAY SIGHTLINE PLAN & PROFILE

Robert A. DeLuca, P.E. #18756

-2+50

-2+00

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

 CTOCKEL AREAS TEMPORARY VEGETATIVE COVER MAY BE RECUIRED (SEE NOTE)
- 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).
- 10. 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
- 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

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 LOOSENED 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

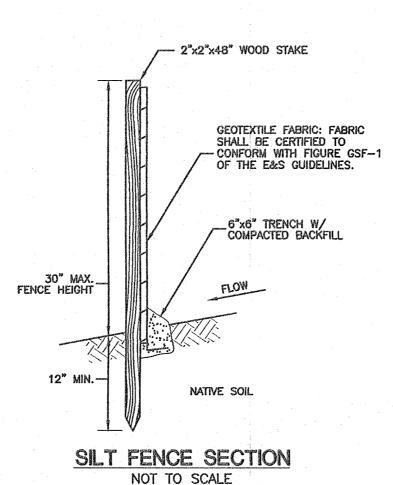
TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES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

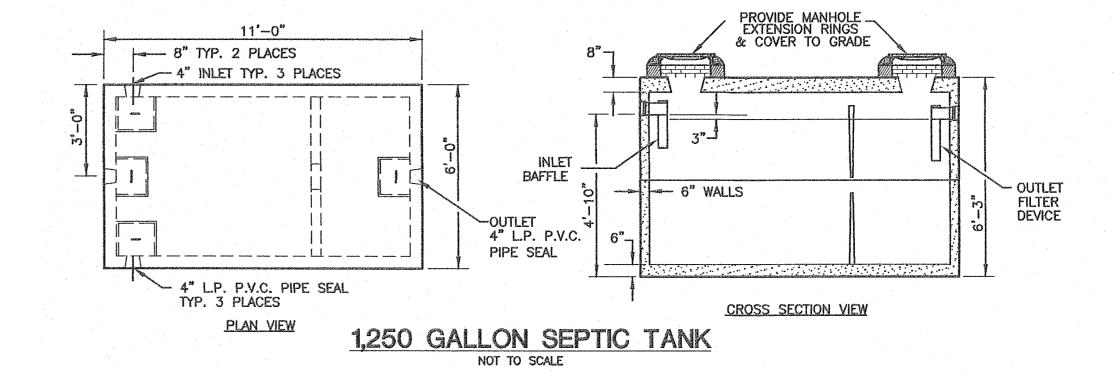
- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
 APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR
- 7.5 LBS. PER 1000 S.F.

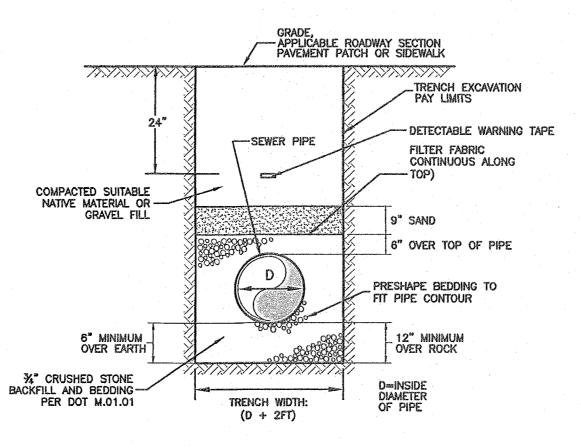
 WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
 APPLY THE FOLLOWING GRASS SEED MIX:

TYPICAL SEED MIXTURE

ALL DISTURBED AREAS	LBS./ACRE	LBS./1000 S
KENTUCKY BLUEGRASS	20	0.45
CREEPING RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00



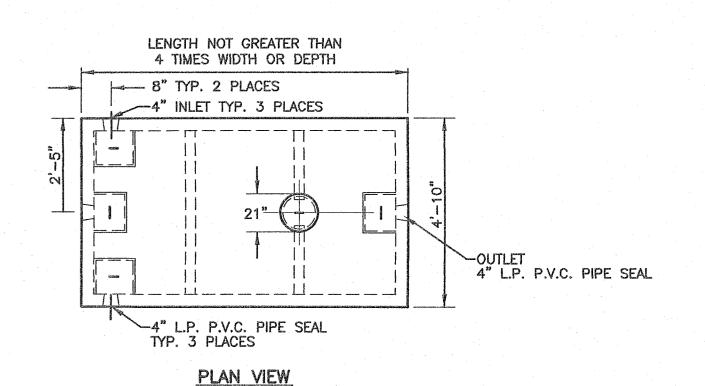




NOTES:

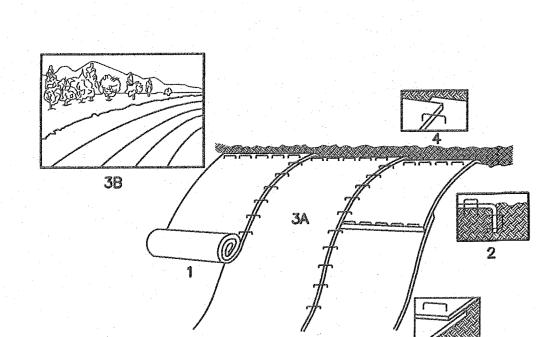
1. D=INSIDE DIAMETER OF PIPE.
2. TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
3. ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
4. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL.

TRENCH DETAIL: SANITARY SEWER PIPE
NOT TO SCALE



1,000 GALLON SEPTIC TANK

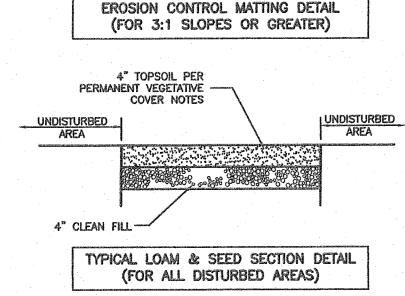
CROSS SECTION VIEW



- 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.

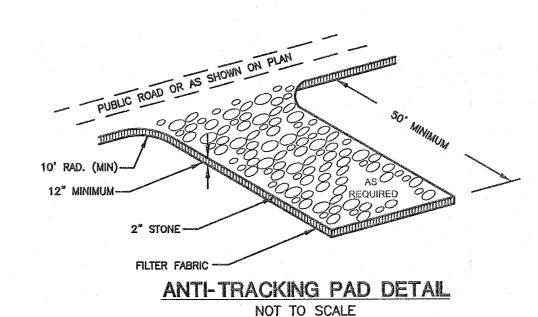
 3. ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"
 OVERLAP.
 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER
 END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED
 AREA, APPROXIMATELY 12" APART.

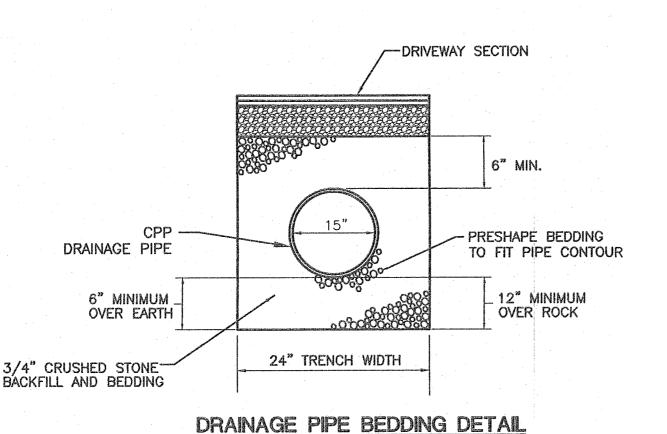
NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C128BN OR APPROVED EQUAL.



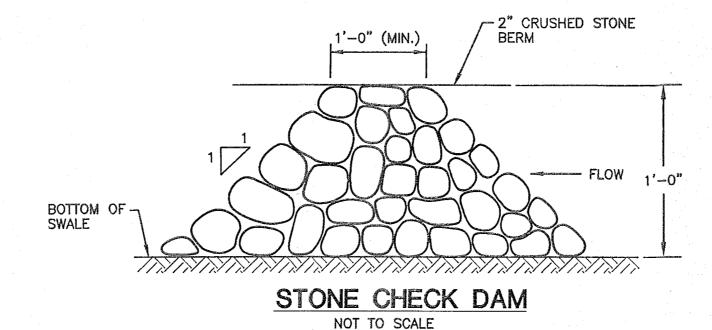
SLOPE STABILIZATION DETAILS

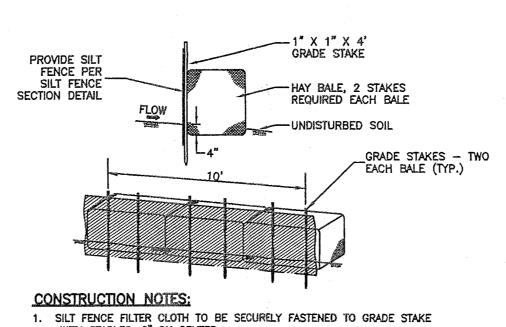
NOT TO SCALE





NOT TO SCALE



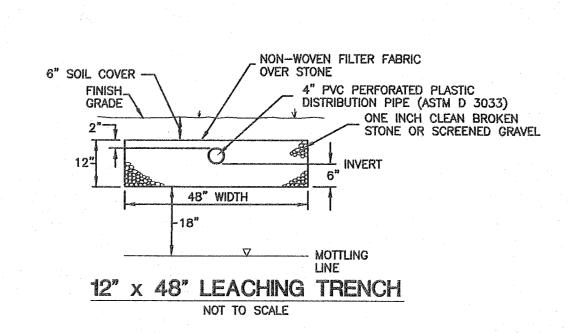


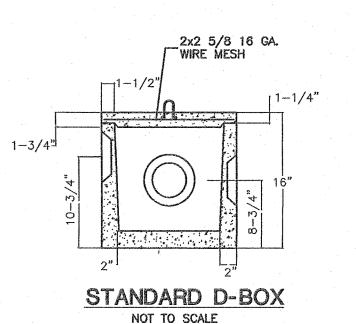
WITH STAPLES, 6" ON CENTER.

2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN ONE ANOTHER THEY SHALL OVERLAP BY 6" AND BE FOLDED.

3. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

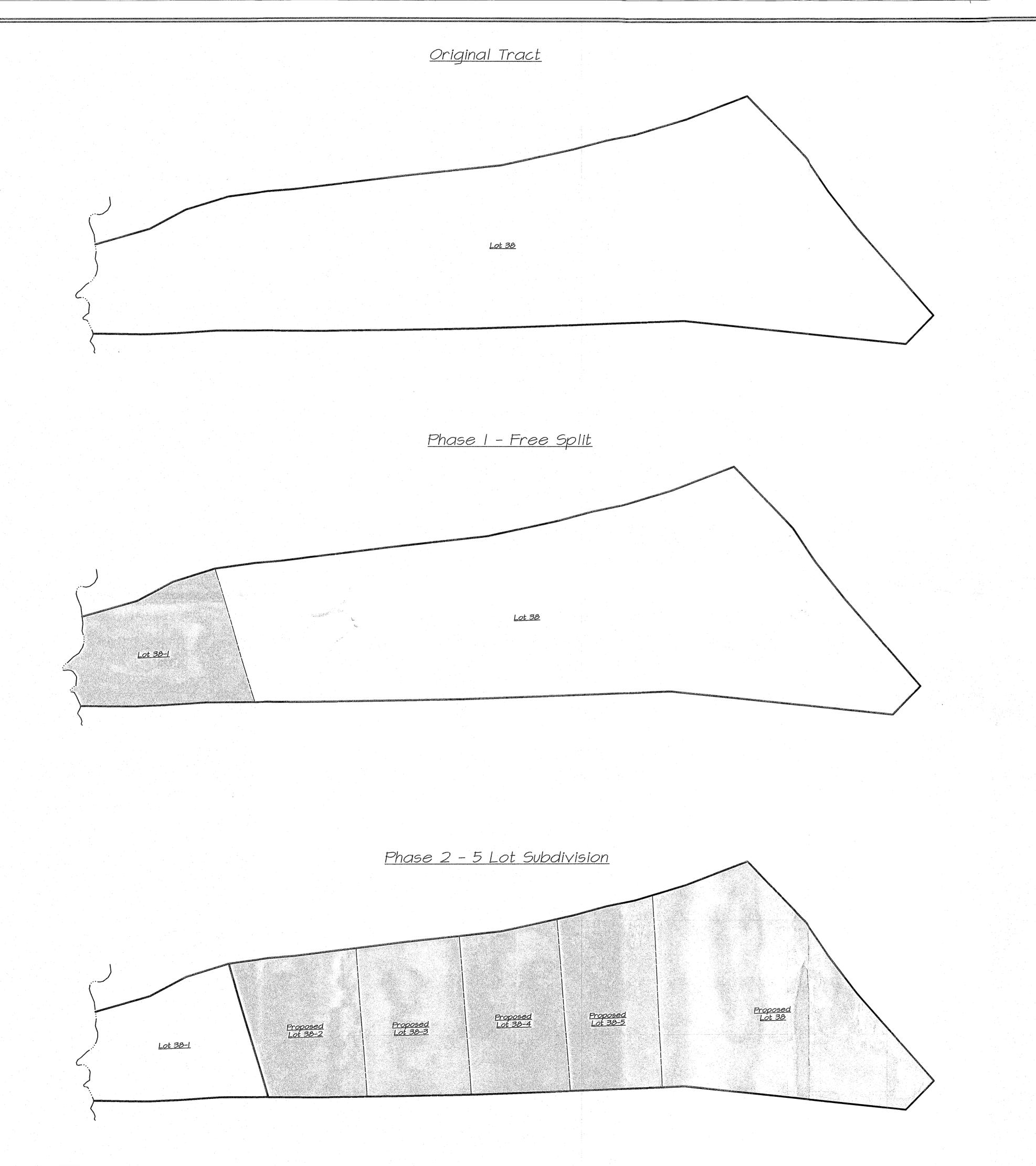
HAY BALE/SILT FENCE
EROSION PROTECTION
NOT TO SCALE



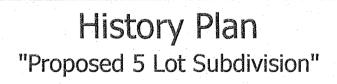




CLA Engineers, Inc. VARIOUS MODIFICATIONS 08/06/20 VARIOUS MODIFICATIONS CIVIL · STRUCTURAL · SURVEYING 07/08/20 SHEET No. CHANGES 06/19/20 VARIOUS MODIFICATIONS 06/16/20 WETLAND FLAGS ADDED 317 Main Street Norwich, CT 06360 06/01/20 VARIOUS MODIFICATIONS (860) 886-1966 Fax (860) 886-9165 No. DATE REVISION Project No. VBL PROPERTIES LLC CLA-6382 Proj. Enginee D.H. PROPOSED 5 LOT SUBDIVISION BEECHER ROAD & RUKSTELLA ROAD 03/18/20 **BROOKLYN CT** Sheet No. 7 of 9 CONSTRUCTION DETAILS



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	583 / 259

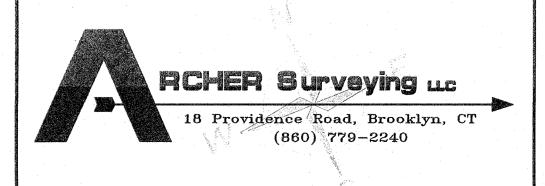


Prepared For:

VBL Properties LLC

Beecher Road

Brooklyn, Connecticut



8 OF 9 Project No. 1500 Date: June 2020

ARCHER Surveying LLC



PROPOSED WETLANDS F BUILDING SE IRON PIN FOL DRILL HOLE IRON PIN SET DRILL HOLE FENCE POST PERCOLATION TEST TEST PIT PROPERTY POINT Q 01.89 1645 UTILITY POLE A CONTRACTOR TREE WITH FENCE

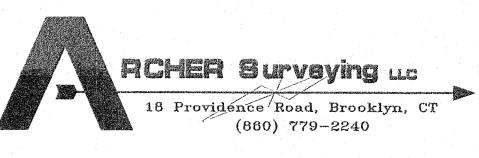
LINE	Soil Data	
REMAINS REELINE	3	Ridgebury, Leicester and Whitman soils, O to 8 percen slopes, Extremely stony
FLOOD LINE NDEX CONTOUR	13	Wapole sandy loam, 0 to 3 percent slopes
CONTOUR CONTOUR FLAG SETBACK	15	Scarboro Muck, O to 3 percent Slopes
OUND E FOUND ET	17	Timakwa and Natchaug soils, to 2 percent slopes
E SET ION TEST	38C	Hinckley Loam sand, 3 to 15 percent slopes

38E	Hinckley Loamy Sand, 15 to 45 percent slopes
60B	Canton and Charlton fine sandy loams, 3 to 8 percent slopes
108	Saco Silt Loam
70IB	Ninigret Fine sandy Loam, 3 to 8 Percent slopes

VBL Properties LLC Beecher Road Brooklyn, Connecticut

DRAWING SCALE: 1"=60"

0 30 60



ARCHER

Surveying Lc

9 OF 9 Project No.

1500 Date: