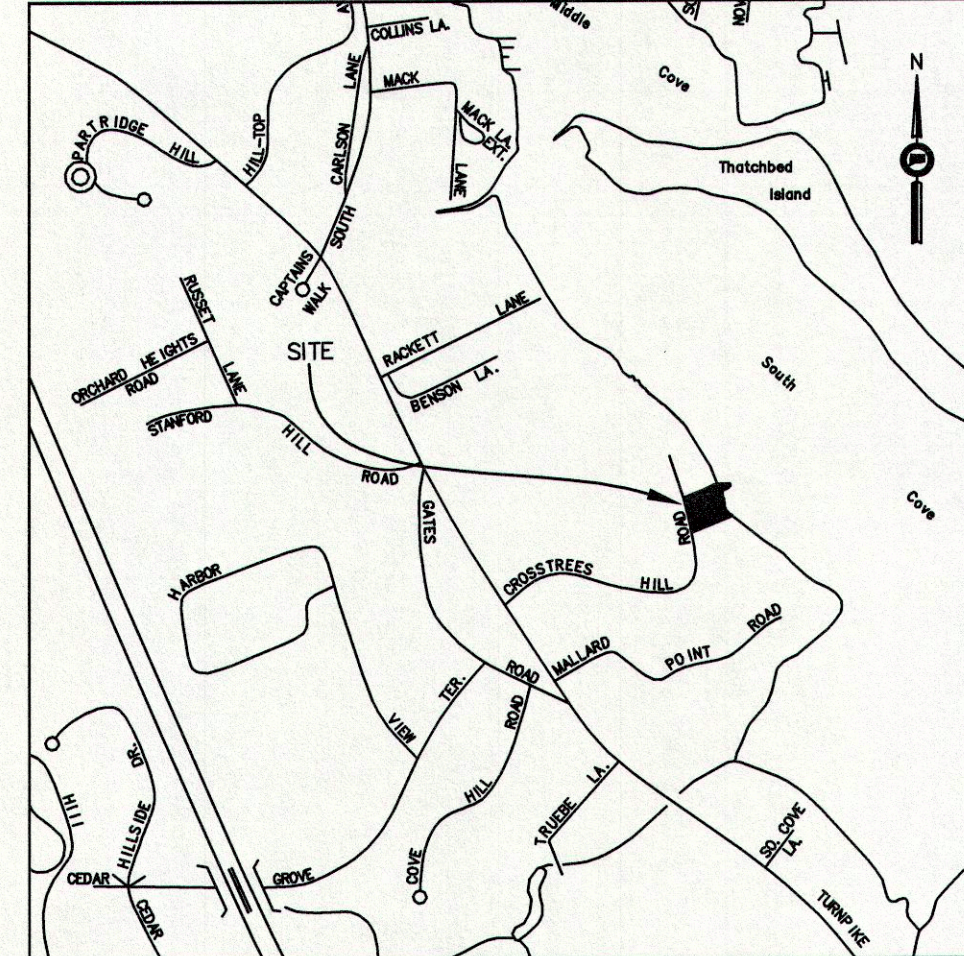


DATE	REVISION	CHK.
01-27-21	GENERAL REVISIONS, S&E SHEET ADDED	

**TOWN OF ESSEX
SITE DATA TABLE**

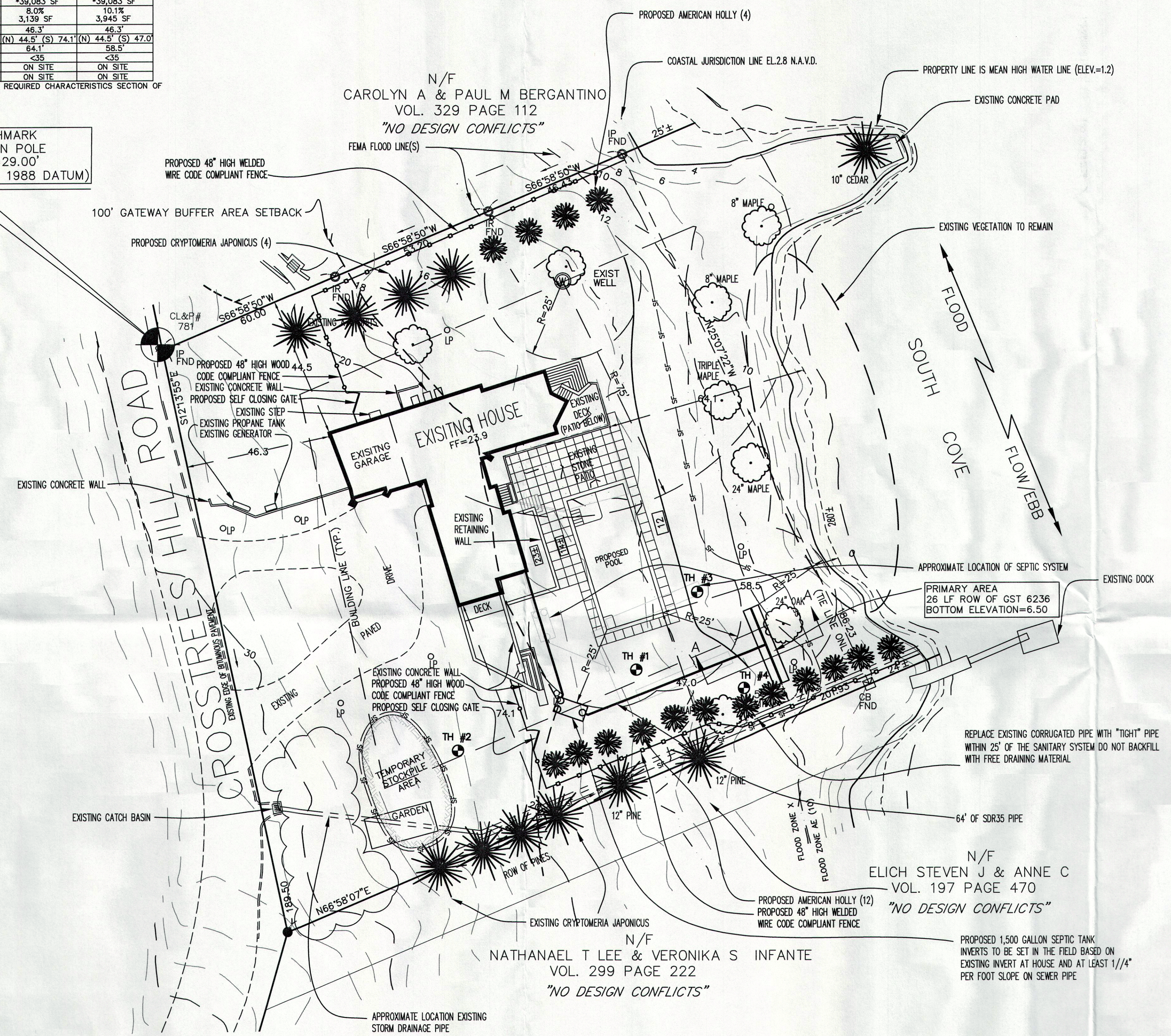
ZONE: RU	REQUIRED	EXISTING	PROPOSED
MIN. LOT WIDTH	150'	189.50'	189.50'
MIN. LOT AREA	80,000 SF	*39,083 SF	*39,083 SF
MAX. BUILDING COVERAGE	15%	8.0%	10.1%
FRONT SETBACK	40'	46.3'	46.3'
SIDE SETBACK	30'	(N) 44.5' (S) 74.1' (N) 44.5' (S) 47.0'	
REAR SETBACK	30'	64.1'	58.5'
BUILDING HEIGHT	35'	<35'	<35'
WATER SUPPLY		ON SITE	ON SITE
SEWAGE DISPOSAL		ON SITE	ON SITE

*EXISTING NON CONFORMING PER SECTION 61B REQUIRED CHARACTERISTICS SECTION OF THE ESSEX ZONING REGULATIONS



LOCATION MAP
SCALE: 1"=1000'±

BENCHMARK
NAIL IN POLE
ELEV=29.00'
(NAVD 1988 DATUM)



NOTE:
PROPOSED POOL IS TO BE A SALTWATER POOL. POOL WILL BE MAINTAINED BY A PROFESSIONAL POOL MAINTENANCE COMPANY. NO CHEMICALS WILL BE STORED ON SITE. THE FILTER HAS A CARTRIDGE THAT IS REMOVED AND CLEANED OFF SITE AS REQUIRED. THEREFOR, NO BACKWASHING IS REQUIRED.

LEGEND

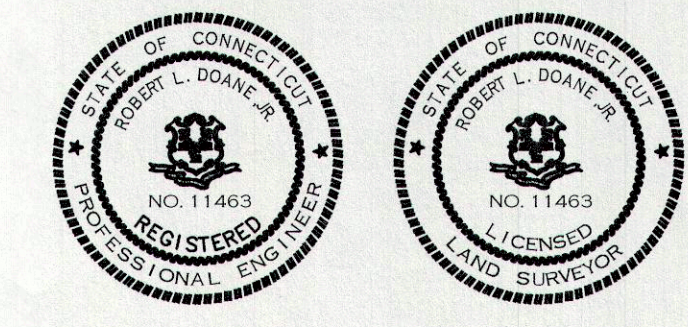
- IRON PIPE/ROD TO BE SET
- MON □ MONUMENT
- IP ○ IRON PIPE/ROD
- CONC. CONCRETE
- GTD GRADE TO DRAIN
- FND FOUND
- FF FINISHED FLOOR
- EXIST. EXISTING
- LPO ○ EXISTING LIGHT POST
- CL&P # 1198 ○ EXISTING UTILITY POLE
- TH #1 ○ TEST HOLE
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOURS
- EXISTING CONTOURS
- SILT FENCE
- PROPOSED WATERLINE

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-4 INCLUSIVE OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND "RECOMMENDED MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT". IT IS A PROPERTY LINE REVISION MAP AND IS INTENDED TO DEPICT THE REVISION TO THE COMMON PROPERTY LINE BETWEEN TWO PARCELS OF PROPERTY. PROPERTY/BOUNDARY HAS BEEN DETERMINED BY A DEPENDENT RESURVEY WITH REFERENCE TO THE MAPS LISTED HEREON. THIS SURVEY IS SUBJECT TO SUCH FACTS AS AN INDEPENDENT RESURVEY MAY DISCLOSE.

PROPERTY BOUNDARY HAS BEEN ESTABLISHED BY A DEPENDENT RESURVEY WITH REFERENCE TO THE MAP(S) NOTED HEREON.
A.) PROPERTY SURVEY OF LAND OF CAROLYN A. & PAUL M. BERGANTINO CROSSTREES HILL ROAD ESSEX, CONNECTICUT SCALE:1"=20' DATE: AUGUST 7, 2019 BY RICHARD W. GATES, L.S.
B. LAND OF CHARLES & SUZANNA KURALT CROSSTREES HILL ROAD ESSEX, CONN. SCALE: 1"=40' DATE 12/27/81 BY FREDERICK A. RADCLIFFE, P.E. & L.S.

THE SUBJECT PROPERTY CONTAINS 39,083 SF 0.9 AC
HORIZONTAL ACCURACY CONFORMS TO CLASS A-2.
VERTICAL ACCURACY CONFORMS TO CLASS T-2 (NAVD 1988 DATUM)
SUBJECT PROPERTY IS RECORDED IN TOWN OF ESSEX LAND RECORDS VOL. 336, PG 899
PROPERTY IS SUBJECT TO DRAINAGE RIGHTS IN FAVOR OF THE TOWN OF ESSEX. VOL. 75, PG. 329.
THIS SITE IS LOCATED WITHIN THE COASTAL MANAGEMENT AREA PER COASTAL BOUNDARY MAP OF ESSEX, 1"=1000'
THIS SITE IS NOT LOCATED WITHIN A FLOOD ZONE PER FIRM COMMUNITY PANEL NUMBER 09007 C0334 G MAP EFFECTIVE DATE 08-28-2008
THIS SITE IS LOCATED WITHIN THE CONNECTICUT RIVER GATEWAY ZONE (RESIDENTIAL ZONE) PER THE CRRPA/GATEWAY EXISTING LAND USE MAP DRAFT 5/09

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
Robert L. Doane, Jr.
ROBERT L. DOANE, JR.
CONN. P.E. & L.S. LIC. NO. 11463

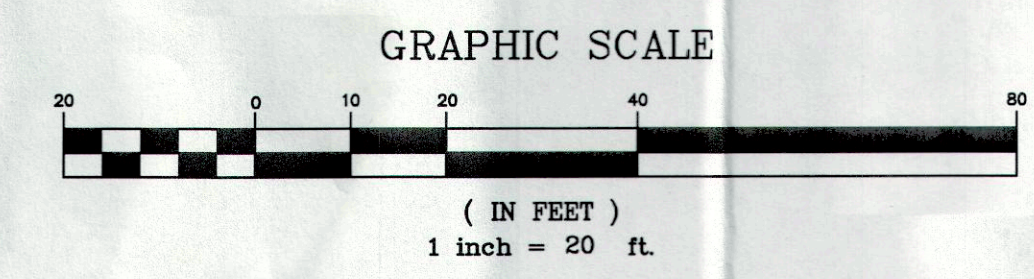


MAP #70 LOT #13

DOANE ENGINEERING
CIVIL ENGINEERING AND LAND SURVEYING
P.O. BOX 113 CENTERBROOK, CONNECTICUT 06409
TEL: (860)767-0138, FAX: (860)767-9104

IMPROVEMENT LOCATION SURVEY
PREPARED FOR
AVA ALBERT SCHNIDMAN
#42 CROSSTREES HILL ROAD, CONNECTICUT

SCALE: 1"=20' DATE: 11/09/20 SHEET NO.: 1 OF 3 IDENT. NO.:



DATE	REVISION	CK.
01-27-21	GENERAL REVISIONS, S&E SHEET ADDED	

CONSTRUCTION SEQUENCE
(SANITARY SYSTEM)

- NOTIFY TOWN HEALTH DEPARTMENT AND THE ENGINEER 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. NO PORTION OF THE SYSTEM WILL BE COVERED WITHOUT INSPECTION AND APPROVAL BY THE ENGINEER OR THE SANITARIAN.
- PLACE SILT FENCE AS SHOWN IN THE DETAIL.
- REMOVE ALL TREES, STUMPS AND DELETERIOUS MATERIAL FROM SYSTEM AREA.
- STOCKPILE TOPSOIL FOR REUSE.
 - DO NOT STOCKPILE TOPSOIL IN SANITARY SYSTEM AREA.
 - REMOVE SUBSOIL TO EXTENT OF SELECT FILL SHOWN ON PLAN AND PLACE EMBAKMENT DOWN GRADIENT OF SANITARY SYSTEM PER SITE PLAN.
 - PLACE SELECT FILL TO HORIZONTAL AND VERTICAL LIMITS SHOWN ON THE SITE PLAN. SELECT FILL SHALL CONFORM WITH THE FOLLOWING CRITERIA AND GRADATION:

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE A CLEAN MATERIAL COMPRISED OF SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN P.E. SELECT FILL EXCEEDING 6 PERCENT PASSING THE #200 SIEVE BASED ON A WET SIEVE ANALYSIS CANNOT BE APPROVED BY THE DESIGN P.E.

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.

- ENGINEER/LAND SURVEYOR SHALL FIELD STAKE THE PROPOSED SYSTEM PRIOR TO INSTALLATION.
- INSTALL SEPTIC SYSTEM AS SHOWN.
 - IF SOIL CONDITIONS OTHER THAN THOSE SHOWN IN THE SOIL LOGS ARE ENCOUNTERED DURING THE INSTALLATION OF THE SANITARY SYSTEM, THE DESIGN ENGINEER OR THE SANITARIAN SHALL BE NOTIFIED AND THE WORK WILL BE HALTED PENDING REVIEW OF THOSE CONDITIONS. IF NECESSARY THE SANITARY SYSTEM SHALL BE REVISED.
 - A MINIMUM OF 4 FEET MUST BE MAINTAINED BETWEEN THE BOTTOM OF THE SYSTEM AND LEDGE. A MINIMUM OF 1.5 FEET MUST BE MAINTAINED BETWEEN THE BOTTOM OF THE SYSTEM AND SEASONAL HIGH GROUNDWATER.
- DO NOT BACKFILL ANY PORTION OF THE SANITARY SYSTEM UNTIL INSPECTED BY THE SANITARIAN AND UNTIL A "RECORD" SURVEY HAS BEEN COMPLETED.
- REPLACE TOPSOIL, GRADE, SEED AND MULCH ALL DISTURBED AREAS.
- MAINTAIN SYNTHETIC FILTER BARRIER UNTIL ALL DISTURBED AREAS ARE STABILIZED.

SANITARY SYSTEM NOTES:

- NO LARGE CAPACITY TUBS (> 100 GALLON CAPACITY) ARE PLANNED AND WILL NOT BE PERMITTED IN THE PROPOSED RESIDENCE.
- NO GARBAGE GRINDER INSTALLATION IS PLANNED FOR THE PROPOSED RESIDENCE. SHOULD A GARBAGE GRINDER BE INSTALLED THE PROPOSED SEPTIC TANK SHALL BE INCREASED TO 2,000 GALLON TANK.
- WATER SUPPLY IS A WELL.
- ALL SOLID PIPING AFTER THE SEPTIC TANK TO BE 4" PVC ASTM D 3034, SDR 35.
- FILTER FABRIC SHALL BE SELECTED FROM THE FOLLOWING TABLE:

MANUFACTURER	DESIGNATION NUMBER
AMERICAN ENGINEERING FABRICS	AEF-480
BRADLEY INDUSTRIAL TEXTILE	PHOENIX LUOMA M35
CARTHAAGE MILLS	410
CULTEC	SF20
DUPONT	TNS R020
ENGINEERED SYNTHETIC PRODUCTS	GF 150
GEO FABRICS	LAM 231
L&M SUPPLY COMPANY	65304 (4" WIDE), 65303 (3" WIDE)
MIRAFI	SKAPS GT 120
SKAPS INDUSTRIES	SRW PRODUCTS DF1
SRW PRODUCTS	SRW PRODUCTS DF2
TERRA TEX	S01.5, P01.5
TYPAR	3151, 3201
US FABRIC INC.	US 1.5 CT

- NO DEVIATION FROM THIS PLAN WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER AND SANITARIAN.
- SEPTIC TANK CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT. ALL PIPE CONNECTIONS TO THE SEPTIC TANK AND DISTRIBUTION BOXES SHALL BE SEALED WITH A POLYETHYLENE GASKET ("POLY-LOK" OR APPROVED EQUAL).
- SEPTIC TANK AND BAFFLES SHALL CONFORM TO SECTION V.A.1 TECHNICAL STANDARDS OF THE STATE HEALTH CODE.
- SEPTIC TANK SHALL BE TWO COMPARTMENT TANK WITH HEAVY DUTY STEEL HANDLES FOR MANHOLE ACCESS COVERS AND GAS BAFFLES INSTALLED ON OUTLET PIPING. SEPTIC TANK TO BE EQUIPPED WITH AN APPROVED NON-BY-PASS EFFLUENT FILTER AT THE OUTLET. SEE TABLE BELOW.

APPROVED SEPTIC TANK EFFLUENT FILTERS

MANUFACTURER	MODEL
BEAR ONSITE	ML2-416, ML2-920, ML3-910 ML3-916, ML3-925, ML3-932
BIO-MICROBICS	Sanitee Series, ST 416, ST 418, ST 818 ST 838, ST 1618, ST 1638
BOWCO INDUSTRIES	EF-235
GAG-SIMTECH	STF-110, STF-110-7R STF-110-6W, STF-110-8B
NORWECO	BIO-KINETIC BK2000
ORENCO SYSTEMS	FT0444-36 FT0854-36 FT1254-36 FT1554-36 FTJ0418
POLYLOK	PL-68, PL-122, PL-525, PL-625 GF 10-8, GF 10-16
PREMIER TECH	EFT-080
RISSY PLASTICS	45 - CLK N-STICK
TUF-TITE	EF-4, EF-6
ZABEL	A100 A300 A1800 A1801 A100-HIP A300-HIP A1800-HIP A1801-HIP A600-12, A600-8
ZOELLER/CLARUS	WW1 (170-0078) WW4 (5000-0007)

- STONE AGGREGATE MEANS BROKEN STONE, CRUSHED STONE, OR SCREENED GRAVEL MEETING DEPARTMENT OF TRANSPORTATION FORM 816 SPECIFICATION M.01.01 FOR NO. 4 OR NO. 6 STONE (AS SHOWN BELOW OR LATEST SPECIFICATION). STONE AGGREGATE SHALL BE FREE OF SILT, DIRT OR DEBRIS AND SHALL SHOW A LOSS OF ABRASION OF NOT MORE THAN 50 PERCENT USING AASHTO METHOD T-96.

SIEVE SIZE	PERCENT PASSING (by weight)	PERCENT PASSING (by weight)
2 - INCH	100	N/A
1.5 INCH	90-100	N/A
1 INCH	20-55	100
3/4 INCH	0-15	90-100
1/2 INCH	N/A	20-55
3/8 INCH	0-5	0-15
#4	N/A	0-5
#10	0-3	0-3
#200	0-15	0-15

TEST HOLE DATA
PERFORMED BY THE GEORGE C. FIELD CO
5/23/73

TH 1
0 - 6" LEAF MULCH & PEAT
6 - 18" SILTY SAND
18 - 42" FINE SAND WITH 6"-18" ROCKS
42 - 84" COARSE SAND & BANK RUN GRAVEL

TH 8
0 - 8" LEAF MULCH & PEAT
8 - 26" SILTY SAND
26 - 68" FINE SAND WITH 6"-18" ROCKS
68 - 90" COARSE SAND & BANK RUN GRAVEL

TEST HOLE DATA
PERFORMED BY DOANE ENGINEERING
& DON MITCHELL, R.S. TOWN OF ESSEX
12/7/20

TH 3
0 - 8" TOPSOIL
8 - 24" ORANGE BROWN FINE SANDY LOAM, TAN FINE SAND & ORIGINAL TOPSOIL (MIX-DISTURBED)
24 - 49" RED BROWN LOAMY FINE SAND
49 - 96" GRAY FINE TO MEDIUM SAND WITH GRAVEL & STONES
ROOTS OBSERVED TO 60"
NO LEDGE OBSERVED
NO GROUNDWATER OBSERVED
NO MOTTLING OBSERVED

TH 4
0 - 9" TOPSOIL
9 - 20" MIXED TAN FINE SAND & ORANGE BROWN LOAM (DISTURBED)
20 - 25" ORIGINAL TOPSOIL
25 - 49" ORANGE BROWN LOAMY FINE SAND
49 - 92" GRAY VERY FINE TO FINE SAND WITH GRAVEL, STONE & ROCKS
ROOTS OBSERVED TO 86"
NO LEDGE OBSERVED
NO GROUNDWATER OBSERVED
NO MOTTLING OBSERVED

TH 5
0 - 13" TOPSOIL
13 - 42" ORANGE BROWN LOAMY FINE SAND
42 - 97" GRAY FINE TO MEDIUM SAND GRAVEL AND ROCKS
ROOTS OBSERVED TO 51"
NO LEDGE OBSERVED
NO GROUNDWATER OBSERVED
NO MOTTLING OBSERVED

PERCOLATION TEST
PERFORMED BY
DON MITCHELL, R.S. TOWN OF ESSEX
12/7/20

P3
D = 42" PRESOAK 11:03
TIME READING
11:28 DRY
11:30 32 1/8
11:32 33 5/8
11:34 34 7/8
11:40 37 5/8
11:48 40 5/8
11:52 42 1/8
< 2" LEFT
PERCOLATION RATE = 3.4 MIN/IN

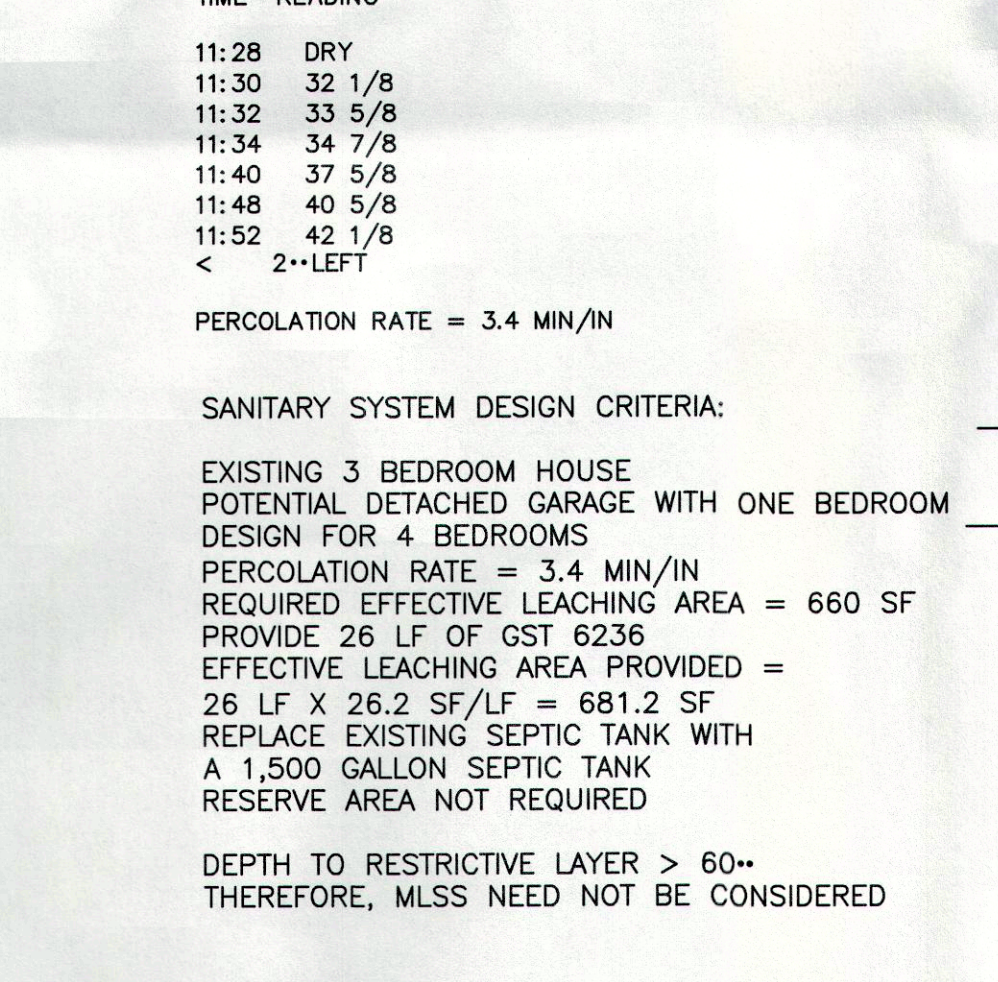
SANITARY SYSTEM DESIGN CRITERIA:
EXISTING 3 BEDROOM HOUSE
POTENTIAL DETACHED GARAGE WITH ONE BEDROOM
DESIGN FOR 4 BEDROOMS
PERCOLATION RATE = 3.4 MIN/IN
REQUIRED EFFECTIVE LEACHING AREA = 660 SF
PROVIDE 26 LF OF GST 6236
EFFECTIVE LEACHING AREA PROVIDED =
26 LF X 26.2 SF/LF = 681.2 SF
REPLACE EXISTING SEPTIC TANK WITH
A 1,500 GALLON SEPTIC TANK
RESERVE AREA NOT REQUIRED

DEPTH TO RESTRICTIVE LAYER > 60"
THEREFORE, MLSS NEED NOT BE CONSIDERED

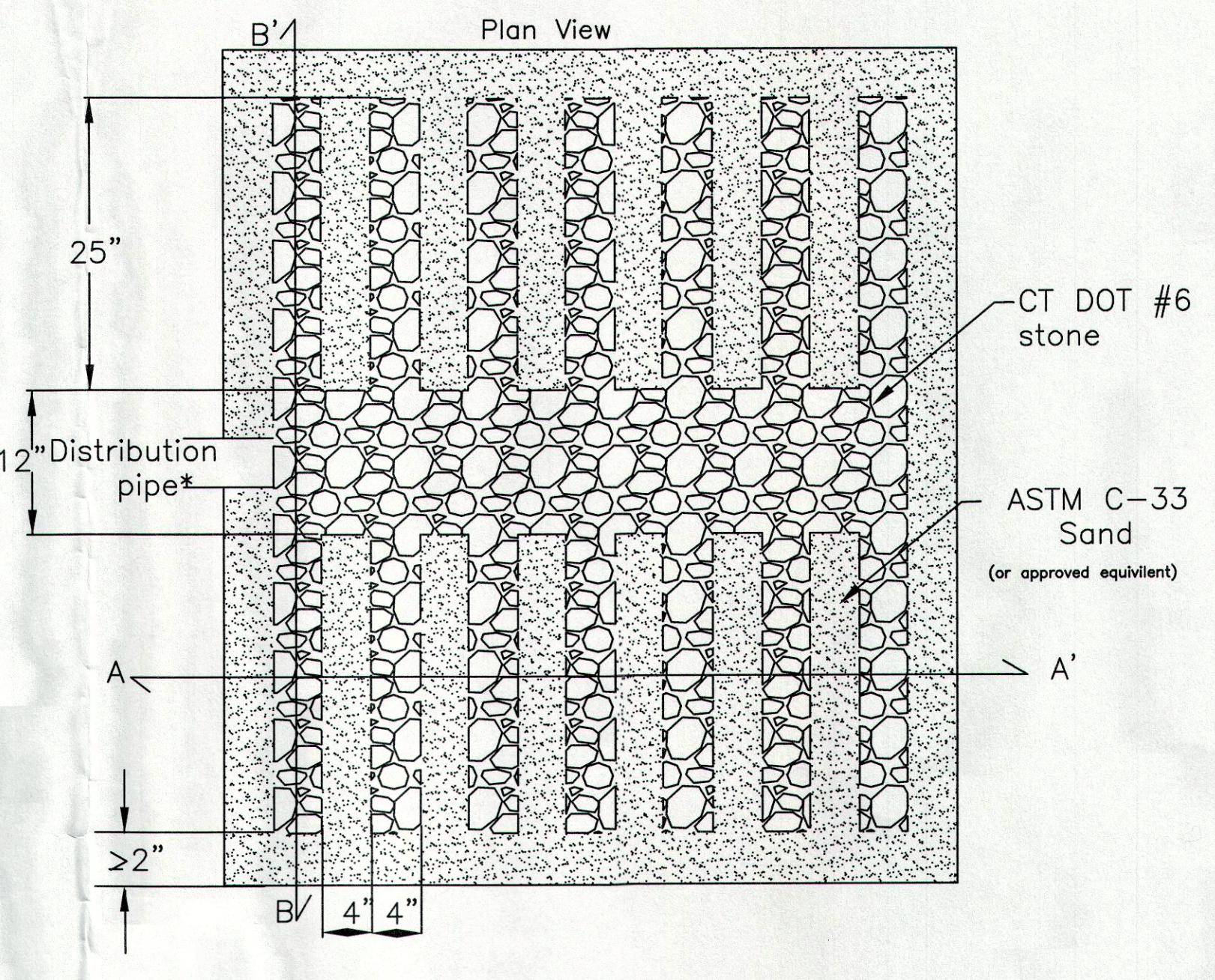
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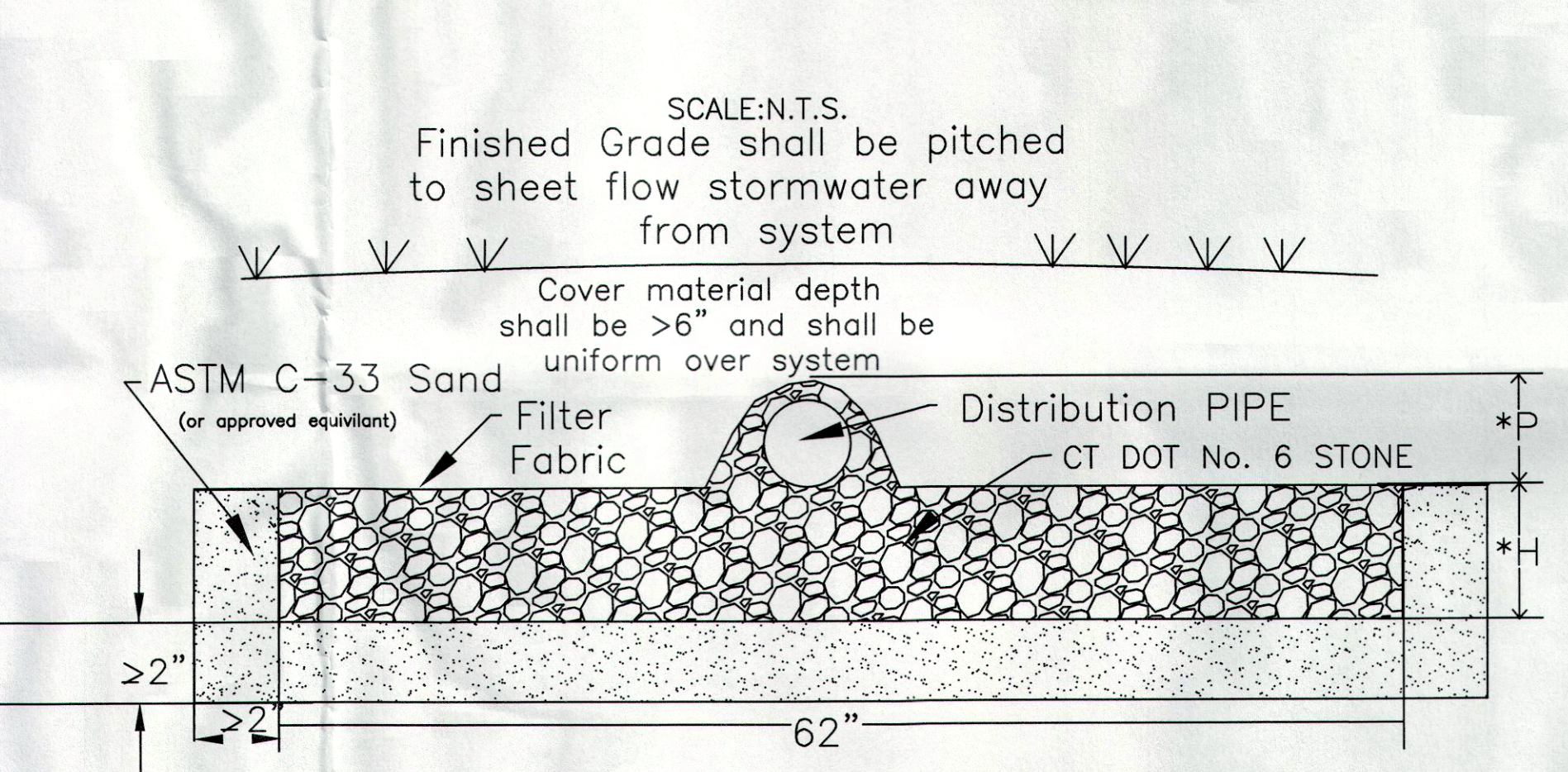
SECTION A-A
SANITARY SYSTEM X-SECTION
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



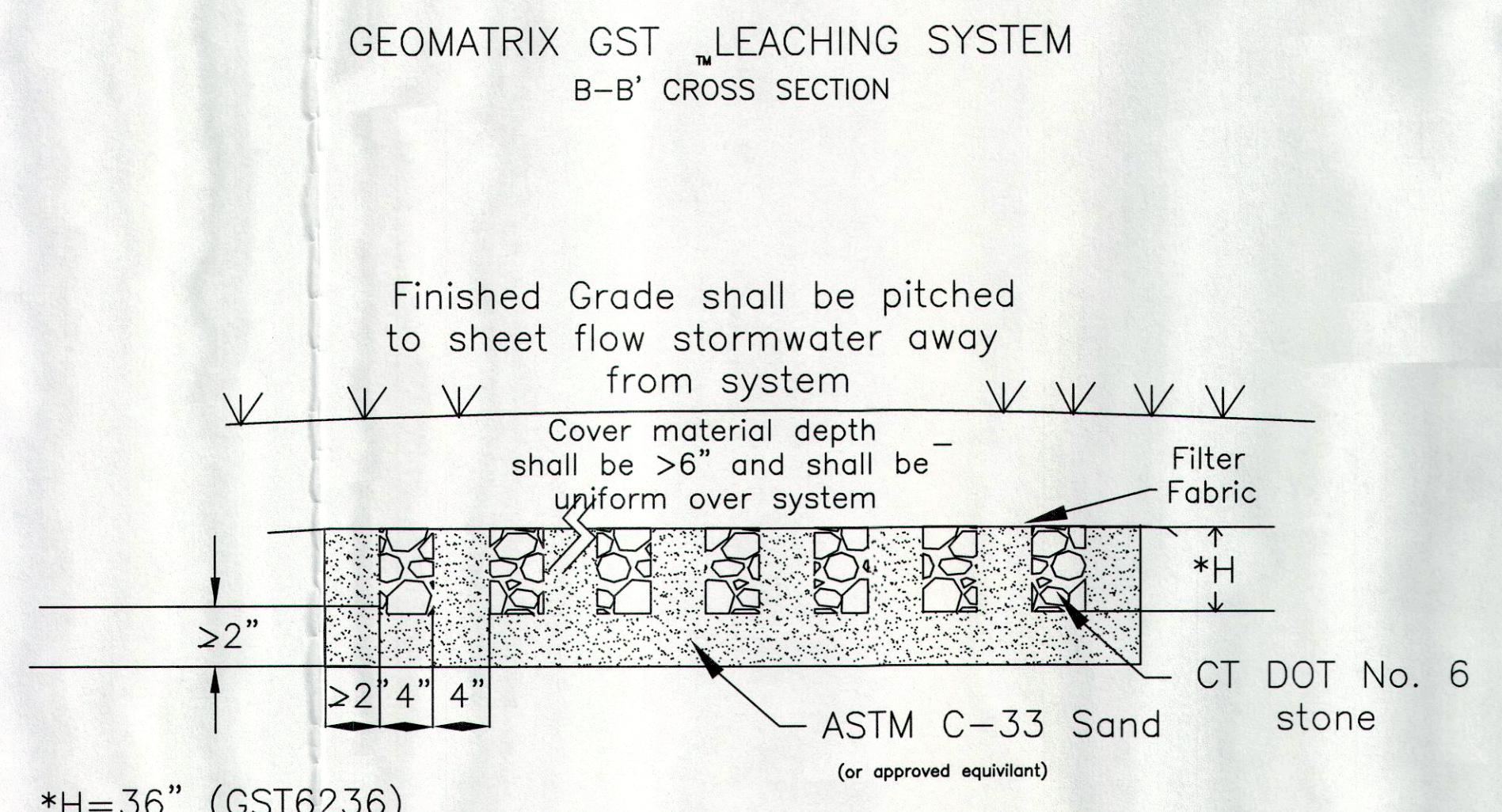
*H=36" (GST6236)



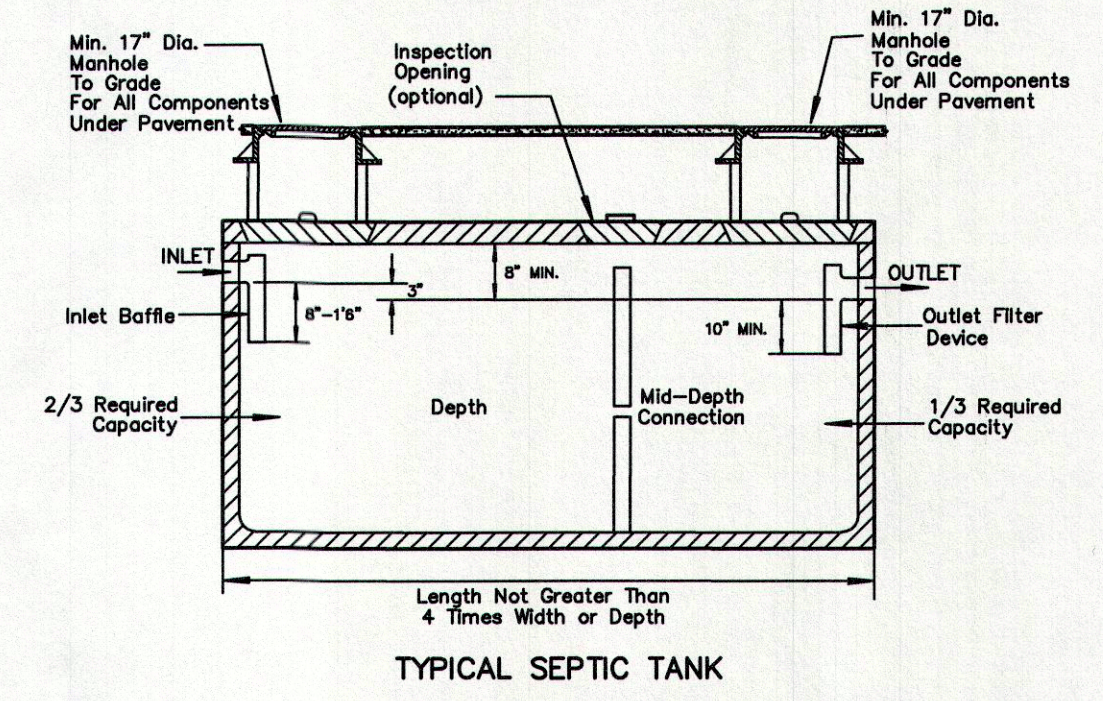
SCALE: N.T.S.
Finished Grade shall be pitched to sheet flow stormwater away from system



SCALE: N.T.S.
Finished Grade shall be pitched to sheet flow stormwater away from system



SCALE: N.T.S.
Finished Grade shall be pitched to sheet flow stormwater away from system



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P.O. BOX 113 CENTERBROOK, CONNECTICUT 06409
TEL: (860)767-0138, FAX: (860)767-9104

IMPROVEMENT LOCATION SURVEY
PREPARED FOR
AVA ALBERT SCHNIDMAN
#42 CROSSTREES HILL ROAD, CONNECTICUT

SCALE: 1"=20'	DATE: 07/17/20	SHEET NO.: 2 OF 3	IDENT. NO.:
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ROBERT L. DOANE, JR.
CONN. P.E. & L.S. LIC. NO. 11463

I. GENERAL:

- IT IS ANTICIPATED THAT THE CONSTRUCTION WILL OCCUR IN THE SPRING OF 2021 WITH PERMANENT SEEDING ACCOMPLISHED IN THE LATE SUMMER OF 2021.
- IT IS ANTICIPATED THAT THE SITE WILL BE STABILIZED BY OCT. 15, 2021.
- THE OWNER/CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL.
- ALL SITE ACTIVITIES SHALL BE PERFORMED TO MINIMIZE EROSION AND SEDIMENTATION IN ACCORDANCE WITH "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL".
- IF DURING CONSTRUCTION, THE ENFORCEMENT OFFICER OR ENGINEER DEEMS ADDITIONAL EROSION CONTROL NECESSARY, IT SHALL BE ADDED. THE CONTRACTOR SHALL MAKE ADDITIONAL SUPPLIES READILY AVAILABLE.
- ONLY THE AREAS WHICH ARE ACTIVELY BEING GRADED SHOULD BE EXPOSED. ALL OTHER AREAS SHOULD BE HEAVILY MULCHED, HAVE NATURAL VEGETATION PRESERVED OR HAVE A GOOD COVER OF TEMPORARY OR PERMANENT VEGETATION ESTABLISHED.
- DISTURBED AREAS SHALL BE STABILIZED AS QUICKLY AS POSSIBLE.
- ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST REMAIN IN PLACE AND BE MAINTAINED UNTIL PERMANENT STABILIZATION IS ACCOMPLISHED.
- INSPECTION SHOULD BE MADE OF ALL EROSION AND SEDIMENTATION CONTROL MEASURES A MINIMUM OF ONCE A WEEK AND AFTER EACH RAINFALL EVENT.

II. CONSTRUCTION SEQUENCE:

- THE SEQUENCE FOR THE INSTALLATION OF EROSION AND SEDIMENT CONTROL, GRADING AND THE CONSTRUCTION SHALL BE AS FOLLOWS:
 - NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) PRIOR TO CONSTRUCTION.
 - STAKE CONSTRUCTION LIMITS AND REVIEW WITH TOWN ENFORCEMENT OFFICER.
 - INSTALL SILT FENCE BARRIER WHERE SHOWN ON THE DRAWINGS AND AS INDICATED IN THE DETAIL.
 - STOCKPILES SHALL BE LOCATED AND GRADED IN SUCH A MANNER THAT NATURAL DRAINAGE IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE SHALL RESULT.
 - SIDE SLOPES OF THE STOCKPILE SHALL NOT EXCEED 2 TO 1.
 - SURROUND STOCKPILES WITH SILT FENCE.
 - TEMPORARY SEEDING OF STOCKPILE SHALL BE COMPLETED WITHIN 15 DAYS OF ITS FORMATION IN ACCORDANCE WITH THE MEASURES OUTLINED IN ITEM V.
 - REPLACE TOPSOIL, SEED AND MULCH ALL DISTURBED AREAS AS DESCRIBED IN THIS NARRATIVE AND IN "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
 - MAINTAIN SILT FENCE AND/OR HAY BALE EROSION CONTROL UNTIL ALL DISTURBED AREAS ARE STABILIZED.

III. SEEDING DATES:

- TO ESTABLISH PERMANENT VEGETATION, SEEDING SHOULD BE PERFORMED DURING APRIL 1 THROUGH JUNE 15 AND AUG 15 THROUGH OCTOBER 15. SHOULD GRADING BE COMPLETE DURING ANOTHER PERIOD, TEMPORARY SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH ITEM V ON THIS SHEET.
- TEMPORARY OR PERMANENT SEEDING SHOULD BE PERFORMED WITHIN 7 DAYS AFTER ESTABLISHING FINAL GRADES.
- WHEN GRADING WORK WITHIN A DISTURBED AREA IS TO BE SUSPENDED FOR A PERIOD OF MORE THAN 1 YEAR, PERMANENT SEEDING SHALL BE PROVIDED IN ACCORDANCE WITH SECTION IV THIS SHEET AND "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
- SHOULD WORK BE SUSPENDED ON A GRADING OPERATION AND SUCH SUSPENSION IS EXPECTED TO LAST FOR 1 TO 12 MONTHS, TEMPORARY SEEDING SHALL BE PROVIDED IN ACCORDANCE WITH ITEM V ON THIS SHEET AND THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".

IV. PERMANENT SEEDING:

- PERMANENT SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 5-3-5 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - SITE PREPARATION:
 - GRADE IN ACCORDANCE WITH LAND GRADING MEASURES AS SET FORTH IN CHAPTER 5-2-5 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - FOR AREAS TO BE MOWED REMOVE ALL SURFACE STONES 2 INCHES OR LARGER.
 - ON AREAS WHERE WOOD CHIPS OR BARK MULCH WAS PREVIOUSLY APPLIED, EITHER REMOVE THE MULCH OR INCORPORATE IT INTO THE SOIL WITH A NITROGEN FERTILIZER ADDED. (12 LBS NITROGEN PER TON OF WOOD CHIPS OR BARK MULCH)
 - SEEDBED PREPARATION:
 - APPLY TOPSOIL, IF NECESSARY, IN ACCORDANCE WITH CHAPTER 5-2-2 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - APPLY FERTILIZER AND GROUND LIMESTONE ACCORDING TO SOIL TESTS CONDUCTED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY OR OTHER RELIABLE SOURCES.
 - WHERE SOIL TESTING IS NOT FEASIBLE, APPLY FERTILIZER AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 (NITROGEN - PHOSPHORIC ACID - POTASH) OR EQUIVALENT AND LIMESTONE AT A RATE OF 4 TONS PER ACRE OR 200 POUNDS PER 1,000 SQUARE FEET.
 - APPLY LIME AT THE RATE OF 2 TONS PER ACRE.
 - APPLY SEED MIXTURE AS FOLLOWS:
 - 10 PERCENT PERENNIAL RYE GRASS
 - 45 PERCENT KENTUCKY BLUE GRASS
 - 45 PERCENT CREEPING RED FESCUE
- RATE OF APPLICATIONS: 5 POUNDS PER 1000 SF
- SEED TO A DEPTH OF FROM .25 TO .5 INCHES
- INSPECT SEEDED AREA AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH A RAINFALL AMOUNT OF 0.5 INCHES DURING THE FIRST GROWING SEASON.
 - MAINTAIN SEEDED AREA AS SET FORTH IN CHAPTER 5-2-5 AND IN ACCORDANCE WITH THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - IF PERMANENT SEEDING AND STABILIZATION DOES NOT OCCUR PRIOR TO OCT 15, TEMPORARY VEGETATIVE COVER SHALL BE PROVIDED ON ALL DISTURBED AREAS IN ACCORDANCE WITH CHAPTER 5-3-2 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AND AS OUTLINED IN ITEM V.

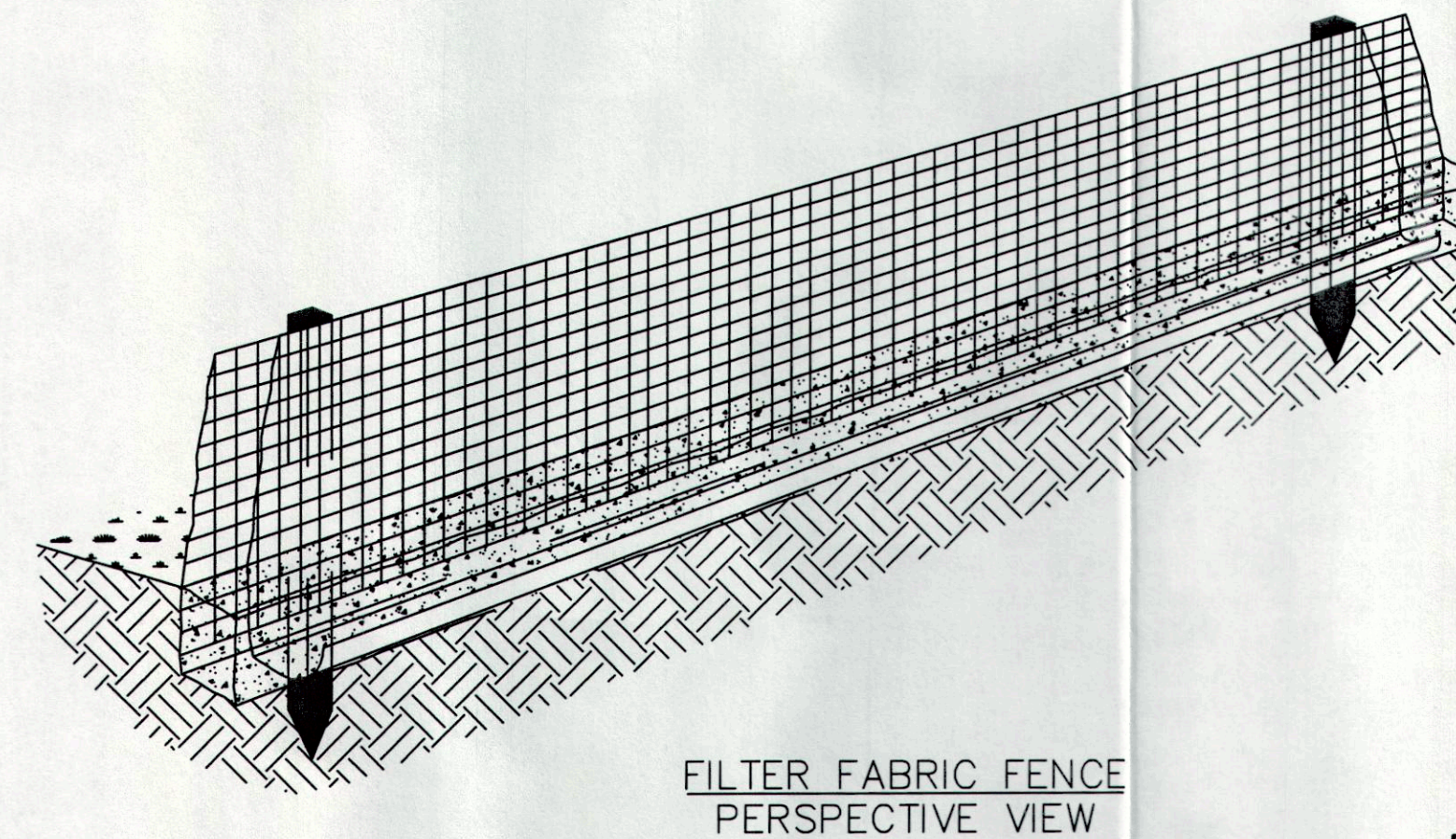
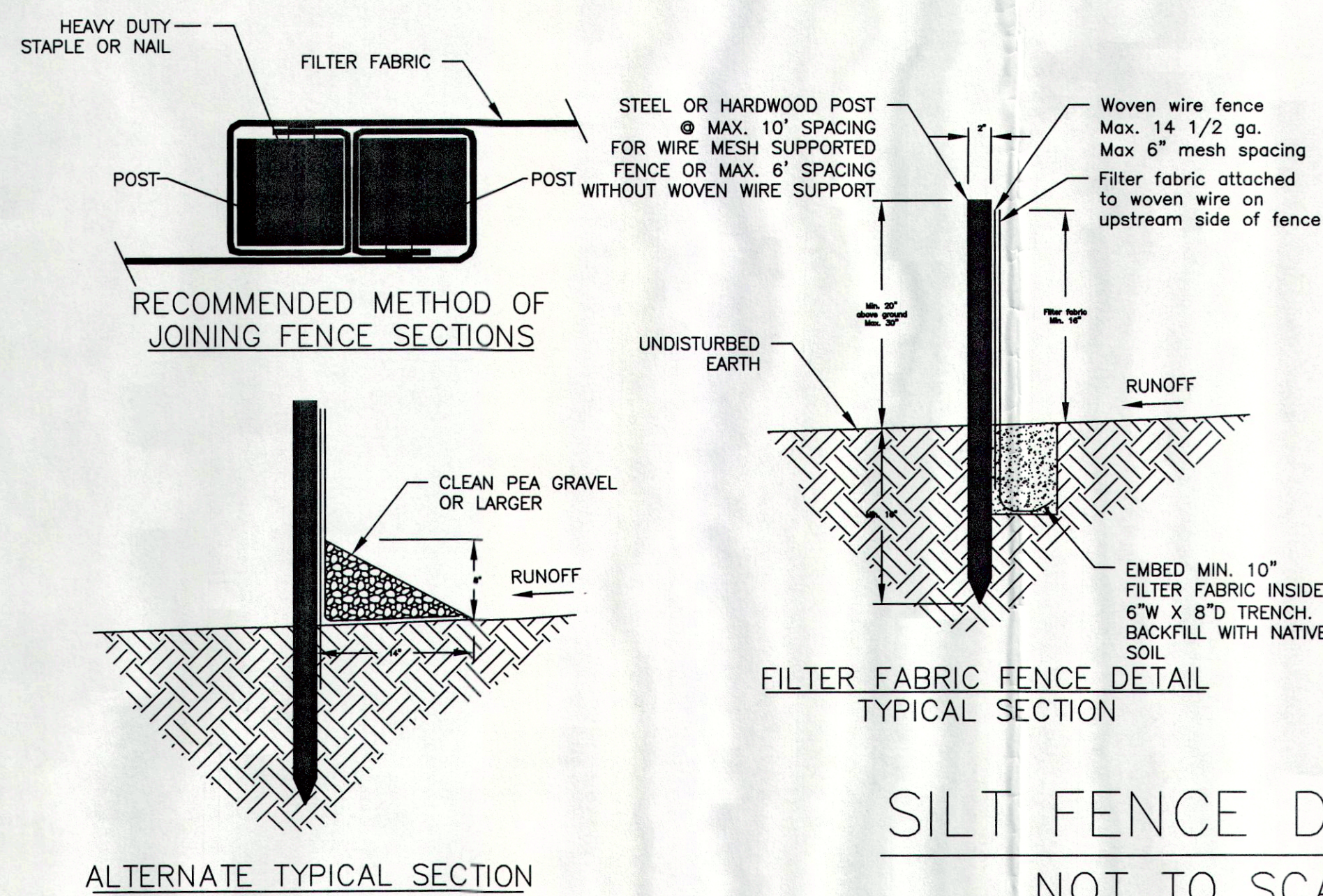
V. TEMPORARY VEGETATIVE COVER:

- TEMPORARY SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 5-3-2 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
- SITE PREPARATION:
 - INSTALL NECESSARY EROSION CONTROL MEASURES IN ACCORDANCE WITH APPROVED PLAN.
 - GRADE IN ACCORDANCE WITH LAND GRADING MEASURES AS SET FORTH IN CHAPTER 5-2-5 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
- SEED PREPARATION:
 - LOOSEN THE SOIL TO A DEPTH OF 3-4 INCHES WITH A SLIGHTLY ROUGHENED SURFACE.
 - APPLY FERTILIZER AND GROUND LIMESTONE ACCORDING TO SOIL TESTS CONDUCTED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY OR OTHER RELIABLE SOURCES.
 - WHERE SOIL TESTING IS NOT FEASIBLE, APPLY FERTILIZER AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 (NITROGEN - PHOSPHORIC ACID - POTASH) OR EQUIVALENT AND LIMESTONE AT A RATE OF 4 TONS PER ACRE OR 200 POUNDS PER 1,000 SQUARE FEET.
 - APPLY LIME AT THE RATE OF 2 TONS PER ACRE.
 - APPLY SEED AT A MINIMUM RATE FOR THE SELECTED SEED IDENTIFIED IN FIGURE BELOW. INCREASE SEEDING RATE BY 10 PERCENT WHEN HYDROSEEDING.

SPECIES (4)	SEEDING RATES (POUNDS)		OPTIMUM SEEDING	
	PER ACRE	PER 1,000 SF	DATE (1)	DEPTH (2)
ANNUAL RYEGRASS	40	1.0	3/1 - 6/15 8/1 - 10/15	0.5
PERENNIAL RYEGRASS	40	1.0	3/15 - 7/1 8/1 - 10/15	0.5
WINTER RYE	120	3.0	4/15 - 7/1 8/15 - 10/15	1.0
OATS	86	2.0	3/1 - 6/15 8/1 - 9/15	1.0
WINTER WHEAT	120	3.0	4/15 - 7/1 8/1 - 10/15	1.0
MILLET	20	0.5	5/15 - 7/15 5/15 - 8/1	1.0
SUDANGRASS	30	0.7	5/15 - 8/15	1.0
BUCKWHEAT	15	0.4	4/1 - 9/15	1.0
WEeping LOVEGRASS	5	0.2	6/1 - 7/1	0.25
DOT ALL PURPOSE MIX (3)	150	3.4	3/15 - 6/17 8/15 - 10/15	.5

- MAY BE PLANTED THROUGHOUT SUMMER IF SOIL MOISTURE IS ADEQUATE OR CAN BE IRRIGATED. FALL SEEDING MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS.
- SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOILS.
- SEE PERMANENT SEEDING FIGURE PE-3 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
- LISTED SPECIES MAY BE USED IN COMBINATION TO OBTAIN A BROADER TIME SPECTRUM. IF USED IN COMBINATIONS, REDUCE EACH SPECIES PLANTING RATE BY 20 PERCENT OF THAT LISTED.

- TEMPORARY SEEDINGS MADE DURING OPTIMUM SEEDING DATES SHALL BE MULCHED ACCORDING TO THE "MULCH FOR SEED" MEASURES AS SET FORTH IN CHAPTER 5-4-5 OF THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
 - HAY, STRAW, CELLULOSE FIBER, TACKIFIERS AND NETTINGS ARE ALL ACCEPTABLE TYPES OF MULCHES.
- INSPECT SEEDED AREA AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF .5 INCHES OR GREATER FOR SEED AND MULCH MOVEMENT AND RILL EROSION.
- CONTINUE INSPECTIONS UNTIL THE GRASSES ARE FIRMLY ESTABLISHED.



Robert L. Doane, Jr.
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"SOIL SEDIMENTATION & EROSION CONTROL PLAN"

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IMPROVEMENT LOCATION SURVEY
 PREPARED FOR
 AVA ALBERT SCHNIDMAN
 #42 CROSSTREES HILL ROAD, CONNECTICUT

SCALE: 1"=20' DATE: 07/17/20 SHEET NO.: 3 OF 3 IDENT. NO.: