

TOWN OF ESSEX
LAND USE APPLICATION
PART ONE

PLEASE CHECK THE APPROPRIATE LINE(S) AND ATTACH THE APPROPRIATE APPLICATION(S):

SPECIAL EXCEPTION	<u> X </u>	VARIANCE / APPEAL	<u> </u>
SITE PLAN REVIEW	<u> </u>	APPROVAL OF LOCATION	<u> </u>
INLAND WETLANDS PERMIT	<u> </u>	REGULATION TEXT AMENDMENT	<u> </u>
INLAND WETLANDS PERMIT - AGENT APPROVAL	<u> </u>	ZONE CHANGE	<u> </u>
	<u> </u>	COASTAL SITE PLAN REVIEW	<u> </u>
WETLAND PERMIT TRANSFER	<u> </u>	MODIFICATION OF PRIOR APPROVAL	<u> </u>
SUBDIVISION OR RESUBDIVISION	<u> </u>	SPECIAL FLOOD HAZARD AREA PERMIT	<u> </u>

PROJECT DESCRIPTION:

Construction of a single family residence and associated driveway, wastewater system, water supply well,
building utility services, and landscape improvements.

PROJECT NAME: Weiss Residence

STREET ADDRESS OF PROPERTY 14 Mill Road

ASSESSOR'S MAP 17 **LOT** 11 **LOT SIZE** 1.36+/- Ac. **DISTRICT** RU

APPLICANT Jonathan & Kaitlyn Weiss
9 Lyndeboro Street Charlestown, Massachusetts 02129 **PHONE** 281-825-8413

APPLICANT'S AGENT (if any) Michael J. Ott, P.E., L.S.
Summer Hill Civil Engineers & Land Surveyors. P.C. **PHONE** 203-245-0722

ENGINEER.SURVEYOR/ARCHITECT Summer Hill Civil Engineers & Land Surveyors. P.C.
60 Wall Street Madison, CT 06443 **PHONE** 203-245-0722

Note:
1) TO BE ACCEPTED BY THE LAND USE OFFICE. THIS APPLICATION MUST BE COMPLETED, SIGNED, AND SUBMITTED WITH THE REQUIRED FEE(S) AND MAP(S) PREPARED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS.
2) THE SUBMITTAL OF THIS APPLICATION CONSTITUTES THE PROPERTY OWNER'S PERMISSION FOR THE COMMISSION OR ITS STAFF TO ENTER THE PROPERTY FOR THE PURPOSE OF INSPECTION.



TOWN OF ESSEX
Planning and
Zoning Commission
 29 West Avenue
 Essex, CT 06426
 860-767-4340 x 115 Fax: 860-767-8509
www.essexct.gov

Fees: \$135.00 + \$60.00 (DEP)
 Make check payable to the Town of Essex

Application for Special Exception
PART TWO

Owner(s) of Property : Jonathan & Kaitlyn Weiss

Address): 9 Lyndeboro Street Charlestown, Massachusetts 02129

Phone No.: 281-825-8413 Email: jonweiss85@gmail.com

The Commission is authorized to grant a Special Exception for the use and/or improvement herein proposed by the provisions of Section 120 of the Essex Zoning Regulations.

Accompanying this application form is:

- A) A complete and comprehensive statement describing the proposed changes in use and/or improvements for which the amendment is requested;
- B) A complete legal description of the premises involved, identifying boundaries by metes and bounds or by courses and distances;
- C) A list of names and addresses, with Tax Map and Tax Lot Numbers of owners of all land abutting, and directly across the street from the land to which this application relates and;
- D) A Site Development Plan prepared or approved by a registered professional engineer or surveyor showing all information required to determine the compliance with the Zoning Regulations including lot area, distances of improvements from lot lines, area coverage, and building height.

I/We, the undersigned, certify that all the information on this application, including all accompanying documents, is correct as of the date below, and conforms with Town's zoning regulations. I/ We certify that I/ We am/are the owner(s) of the premises described above and are aware of and understand the above referenced zoning regulation(s).

<p>FOR OFFICIAL USE ONLY:</p> <p>Application No. _____</p> <p>Date received by ZEO: _____</p>
--

Signed: Kat Horn [Signature]
 Property owner

Dated: 6/1/2022

Appendix A

Application Checklist for Special Exception

This checklist is to be completed by the applicant(s) and submitted to the Commission along with a completed application for Special Exception. Information should also appear on the site development plan and within the support documents as appropriate. No section may be left incomplete. Where no area in the “waiver” category is provided for check-off, submission of information is always mandatory.

Waiver(s) may be granted by the Commission pursuant to Section 120C.8. for the furnishing of item(s) of information in which the Commission finds that such item(s) are not relevant to the proper disposition of an application. Such waiver(s) are limited to the furnishing of said information and do not include a request for delay in time to submit necessary items.

Nothing in this section shall prohibit an applicant(s) from requesting a waiver(s) in advance of submitting an application for Special Exception to the Commission.

This checklist shall be complete when signed and dated by the applicant(s) where such signatures and date shall be entered no later than the actual date of the submission of said application.

SECTION No.	DESCRIPTION	PROVIDED			WAIVER REQUEST
		YES	NO	N/A	
120A.1	Owner	X			
120A.2	Purchaser Owner's written consent			X	
120A.3	Lessee Owner's written consent			X	
120B	Application Documents- 15 copies	X			
120C.1	Description of Premises	X			
120C.2	List of Neighboring Owners	X			
120C.3	Statement of Use	X			
120C.4	Site Development Plan	X			
120C.4.a	Owner / Applicant Name	X			
120C.4.b	Plan Data	X			
120C.4.c	Roadways			X	
120C.4.d	Survey Monuments	X			
120C.4.e	Municipal / District Boundaries	X			
120C.4.f	Easements / R-O-W / etc.	X			
120C.4.g	Wetlands and Watercourses	X			
120C.4.h	Total Premise Area Use	X			
120C.4.i	Building / Lot Coverage	X			
120C.4.j	Location / Setback Data	X			
120C.4.k	Building / Structure Dimension Signs and Lighting	X			
120C.4.l	Roadways and Parking			X	
120C.4.m	Infrastructure Data			X	
120C.4.n	Access / Soil / etc.			X	
120C.4.o	Water Supply / Septic Systems	X			
120C.4.p	Land Contours / Topography (_____ foot intervals)	X			
120C.4.q	Wetlands / Watercourses	X			
120C.4.r	Soils Classifications	X			
120C.4.s	Grading / Filling Limits / Erosion and Sediment Control	X			
120C.4.t	Special Flood Hazard Area	X			
120C.4.u	Floor Area / Parking Calculations / Parking Spaces per section .110			X	
120C.5	Sanitation Letter & Data (see note below)	X			
120C.6	Multiple Dwelling Projects			X	
120C.7	Non-Commercial Timber Cutting			X	
120C.8	Waiver Requests (written)			X	
120D	Maps, Drawings, Certification	X			
101	Gateway Conservation District	X			
102	Coastal Management District	X			
103	Flood Plain District	X			
104	Water Resource District			X	
	Application submitted to town Director of Health or Town Sanitarian for review	X			

NOTE: A SIGN IS REQUIRED TO BE POSTED ON THE PREMISES RE: SECTION 120F. STANDARDS OF THE ZONING REGULATIONS AS FOLLOWS:

120F. **PUBLIC HEARING.** The Commission shall hold a public hearing on each application for a special exception. A copy of such application shall be filed in the office of the Town Clerk for public inspection at least ten (10) days before such hearing. Notice of the time and place of such hearing shall be published in the form of a legal advertisement appearing in a newspaper having a substantial circulation in the Town, at least twice, at intervals of not less than two (2) days, the first not more than fifteen (15) days, nor less than ten (10) days, and the last not less than two (2) days before the hearing. Such notice shall fairly and sufficiently apprise those who may be interested in the proceeding of the nature and character of the matter proposed in order that intelligent preparation for the hearing may be made. Such hearing shall commence within sixty-five (65) days after the receipt of the application. The hearing shall be completed within thirty-five (35) days after it commences. The commission shall render a decision on all applications within sixty-five (65) days after completion of such hearing. The petitioner or applicant may consent to one or more extensions of any period specified in this section, provided the total extensions all such periods shall not be longer than sixty-five (65) days, or may withdraw such petition or application.

Not less than fifteen days prior to the commencement of the public hearing, the applicant shall post a notice of the hearing on the property involved. Said notice shall be in the form of a freestanding sign, facing each adjacent public street, placed no more than thirty feet (30') from the public right-of-way and shall be clearly legible from the public street. **Said sign shall be produced of weather resistant material, shall be legibly lettered with a minimum letter size of two inches (2"). The sign shall not be greater than twelve square feet (12 sq. ft.).**

The sign shall contain the following text:

"Application pending on this property before the Planning and Zoning Commission for Special Exception approval for which a public hearing is being held:

Time:

Date:

Place: Town Hall, 29 West Avenue, Essex, CT 06426

For more information, call (860)767-4340 (or as said number is changed from time to time).

Said sign shall not be removed until after the public hearing has concluded. (August 1, 2007)

Note: If no required sanitary letter and data accompanies this application, a complete application shall be submitted to the Town Director of Health or the Town Sanitarian for review no later than the date of this completed application is received by the Commission. A letter from the Town Director of Health of the Town Sanitarian, along with a complete application, shall be filed in the office of the Town Clerk at least ten (10) days prior to the scheduled public hearing.

This checklist is a guide to assist the applicant(s). It does not relieve the applicant from the responsibility of being familiar with the Town of Essex Zoning Regulations and submitting a complete application.

Where the submission of information for a particular Special Exception application does not apply, the response in the 'provided' column may be checked off as "no" and such information shall not be required.

Signature of Property Owner

Date: _____

Town of Essex
Planning and Zoning Commission
Application for Special Exception Permit

Application
of
Jonathan & Kaitlyn Weiss
14 Mill Road
Assessors Map 17 – Lot 11

Attachment A
Statement of Use

Statement of Use

The planned project consists of the construction of a 3,706 square foot footprint (4,869 total floor area) single family residence and associated driveway, wastewater system, water supply well, building utility services, and landscape improvements.

Town of Essex
Planning and Zoning Commission
Application for Special Exception Permit

Application
of
Jonathan & Kaitlyn Weiss
14 Mill Road
Assessors Map 17 – Lot 11

Attachment B
Land Parcel Description

Land Parcel Description

Beginning at a point on the easterly street line of North Main Street, being the intersection of the division line between the subject land parcel and land now or formerly of Scott H. & Leslie G. Kirkpatrick with said street line, thence along land now or formerly of Scott H. & Leslie G. Kirkpatrick the following two courses, N 65°-09'-06" E a distance of two hundred fifteen and no hundredths feet (215.00') feet to a point, and N 65°-09'-06" E a distance of seventy six and forty hundredths feet (76.40') feet to a point, thence along land now or formerly of April Lukasik the following two courses, N 65°-28'-00" E a distance of two hundred nineteen and seventy one hundredths feet (219.71') to a point and N 19°-14'-22" E a distance of ninety eight and eighty hundredths feet (98.80') to a point, thence along land now or formerly of Paul W. Carman the following four courses, N 02°-06'-56" E a distance of thirty eight and fifty six hundredths feet (38.56') feet to a point, N 80°-40'-37" W a distance of twelve and forty five hundredths feet (12.45') to a point, N 09°-06'-53" E a distance of seventy and thirty six hundredths feet (70.36') to a point, and N 26°-49'-53" E a distance of one hundred thirteen and twenty two hundredths feet (113.22') to a point, thence southeasterly along the waters of Mill Pond an approximate distance of one hundred and six feet (106' +/-) to a point, thence along land now or formerly of Jason T. Raney & Nicole M. Cambria the following four courses, S 00°-51'-17" W a distance of two hundred seventy three and fifty nine hundredths feet (273.59') to a point, N 86°-25'-03" W a distance of forty two and twenty two hundredths feet (42.22') to a point, S 86°-19'-39" W a distance of one hundred ten and seventeen hundredths feet (110.17') to a point, and S 03°-34'-57" W a distance of twenty five and no hundredths feet (25.00') to a point, thence along land now or formerly of Michael C. & Penny H. Minton S 67°-06'-56" W a distance of two hundred forty and eighty nine hundredths feet (240.89') to a point, thence along land now or formerly of Arron C. & Teresa A. Von Staats 64°-00'-28" W a distance of two hundred eighty two and sixteen hundredths feet (282.16') to a point on the easterly street line of North Main Street, thence along the easterly street line of North Main Street N 41°-10'-21" W a distance of thirty three and no hundredths feet (33.00') to the point of beginning.

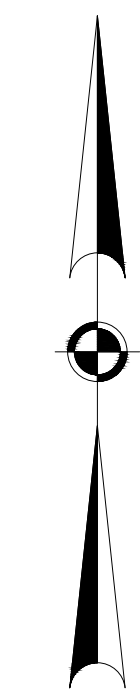
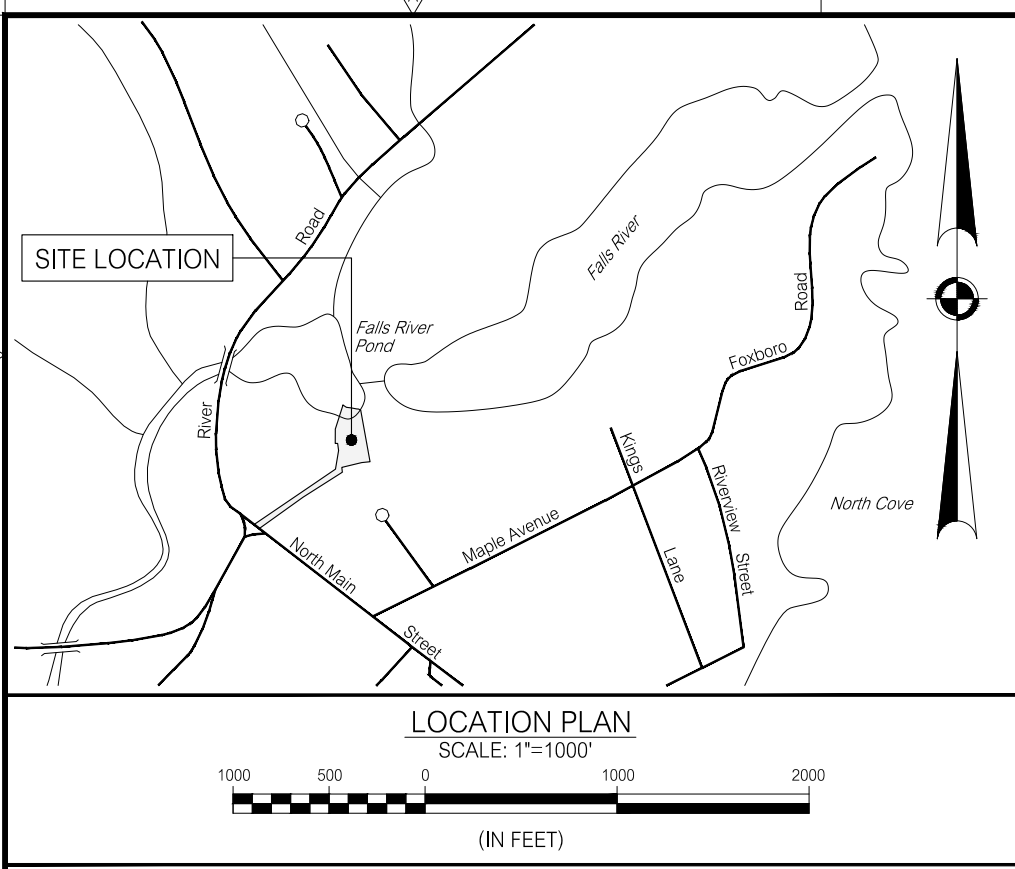
Town of Essex
Planning and Zoning Commission
Application for Special Exception Permit

Application
of
Jonathan & Kaitlyn Weiss
14 Mill Road
Assessors Map 17 – Lot 11

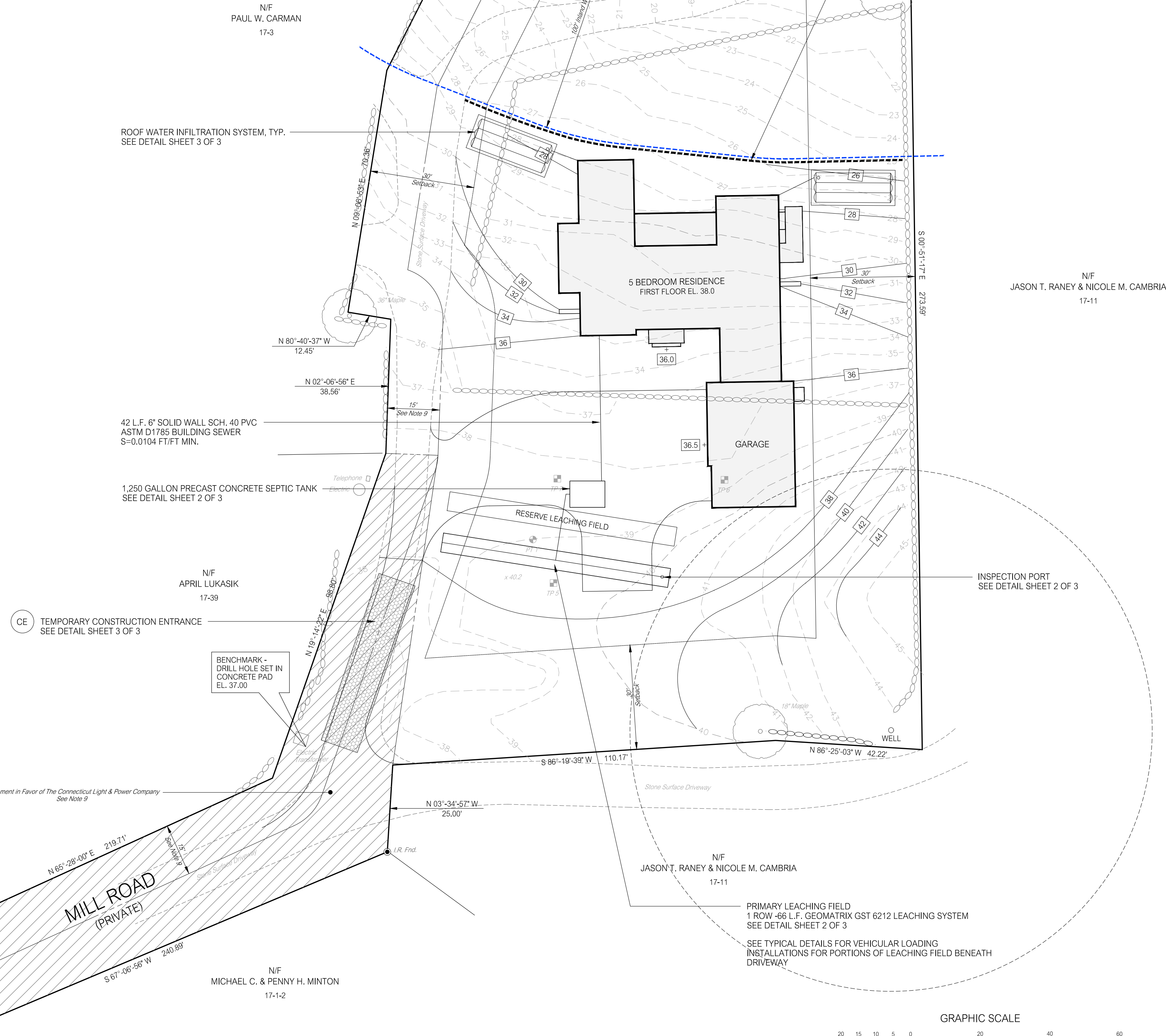
Attachment C
Property Owners Adjoining the Subject Land Parcel

Property Owners Adjoining the Subject Land Parcel

Map No. - Lot No.	Record Owner	Property Address	Mailing Address
17-3	Paul W. Carman	13 Mill Road	13 Mill Road Essex, Connecticut 06426
17-6	Scott H. & Leslie G. Kirkpatrick	111 North Main Street	P.O. Box 399 Essex, Connecticut 06426
17-7	Aaron C. & Teresa A. Von Staats	109 North Main Street	2 Gusset Road Wenham, Massachusetts 01984
17-10-2	Michael C. & Penny H. Minton	14 Clark Lane	14 Clark Lane Essex, Connecticut 06426
17-11	Jason T. Raney & Nicole M. Cambria	16 Mill Road	16 Mill Road Essex, Connecticut 06426
17-39	April Lukasik	9 Mill Road	35 Mountain Farms Road West Hartford, Connecticut 06117



- GENERAL NOTES:**
1. THE PROPERTY BOUNDARY, INLAND WETLAND BOUNDARY, AND TOPOGRAPHIC INFORMATION DEPICTED HEREON HAS BEEN REPRODUCED FROM THE FOLLOWING MAP:
"TOPOGRAPHIC SURVEY ON PORTION OF LAND OF JONATHAN & KAITLYN WEISS NORTH MAIN STREET - MILL ROAD ESSEX, CONNECTICUT, SHEET 1 OF 1, DATE: 1-28-22, SCALE: 1"=20', PREPARED BY: RICHARD W. GATES, L.S.
 2. THE INLAND WETLAND BOUNDARY DEPICTED HEREON WAS DELINEATED BY R. RICHARD SNARSKI, CPSS OF NEW ENGLAND ENVIRONMENTAL SERVICES.
 3. NORTH IS BASED ON THE BEARING SYSTEM OF THE REFERENCE MAP NOTED.
 4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 PER THE REFERENCE MAP NOTED.
 5. PARCEL AREA = 59,268± SF = 1.36± AC. PER THE REFERENCE MAP NOTED.
 6. THE PARCEL IS DEPICTED ON ASSESSORS MAP 17 AS LOT 11-1.
 7. THE PARCEL IS LOCATED WITHIN A RURAL RESIDENCE (RU) ZONING DISTRICT, THE COASTAL MANAGEMENT DISTRICT, AND THE GATEWAY CONSERVATION DISTRICT.
 8. THE PARCEL IS LOCATED WITHIN FLOOD ZONE X AND SPECIAL FLOOD HAZARD AREA ZONE AE. REFERENCE: FEMA NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP MIDDLESEX COUNTY, CONNECTICUT, PANEL 332 OF 450, MAP NUMBER 09009C0332G, EFFECTIVE DATE: 8-28-08.
 9. THE PARCEL IS SUBJECT TO A 15 FOOT WIDTH RIGHT-OF-WAY TO THE WATERS OF MILL POND AND AN EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT & POWER COMPANY.
 10. THE COASTAL JURISDICTION LINE FOR THE TOWN OF ESSEX IS ELEVATION 2.8 FEET (NAVD OF 1988).
 11. THE UPLAND SOIL TYPE ON THE SUBJECT LAND PARCEL IS IDENTIFIED IN THE NATURAL RESOURCES CONSERVATION SERVICE SOIL SURVEY FOR THE STATE OF CONNECTICUT AS HINCKLEY LOAMY SAND, 15-45 PERCENT SLOPES (38E).
 12. IN GENERAL, EXISTING CONDITIONS AND FEATURES ARE DEPICTED IN SCREENED GRAPHICS AND TITLECASE LETTERING AND PROPOSED WORK IS DEPICTED IN BOLD GRAPHICS AND UPPERCASE LETTERING.
 13. PRIOR TO THE START OF WORK, THOROUGHLY REVIEW THE DRAWINGS, THE SITE OF THE WORK AND ALL EXISTING CONDITIONS AND FEATURES. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS AND FEATURES IN THE FIELD.
 14. ADHERE TO THE REQUIREMENTS OF THE DRAWINGS. ALL APPLICABLE REGULATIONS AND ORDINANCES OF THE TOWN OF ESSEX, THE REGULATIONS OF ALL APPLICABLE STATE AND FEDERAL REGULATORY AUTHORITIES, AND THE REQUIREMENTS OF ALL APPROVALS AND PERMITS ISSUED FOR THE PROJECT.
 15. UNDERGROUND UTILITIES, STRUCTURES AND OTHER FACILITIES DEPICTED ON THE DRAWINGS HAVE BEEN COMPILED FROM REMOTE MAPPING AND FIELD LOCATIONS OF ABOVE GROUND FACILITIES AND MARKOUTS. ALL UNDERGROUND FACILITY LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE ONLY AND ALL FACILITIES MAY NOT BE SHOWN.
 16. BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND FOR THE MAINTENANCE AND PROTECTION THEREOF. CONTACT CALL BEFORE YOU DIG (1-800-422-4455) PRIOR TO THE START OF WORK TO ESTABLISH AND HAVE MARKED ON THE GROUND THE LOCATION OF ALL UNDERGROUND UTILITIES. NOTIFY THE ENGINEER IN THE EVENT THAT A UTILITY IS LOCATED DURING THE PROGRESS OF THE WORK THAT IS NOT INDICATED ON OR IS NOT IN ACCORDANCE WITH THE DRAWINGS.
- UTILITY COMPANY CONTACTS:**
- | | |
|---|----------------|
| CABLE TELEVISION - COMCAST OF CONNECTICUT, INC. | (518) 361-7234 |
| COMMUNICATIONS - FRONTIER COMMUNICATIONS OF CONNECTICUT | (203) 238-5000 |
| COMMUNICATIONS - LIGHT TOWER FIBER NETWORKS LLC | (508) 616-7818 |
| ELECTRIC - EVERSOURCE ENERGY | (860) 665-4733 |
| GAS - SOUTHERN CONNECTICUT GAS COMPANY | (203) 795-7868 |
| WATER - CONNECTICUT WATER COMPANY | (860) 664-6007 |
17. PROTECT ALL EXISTING CONDITIONS AND FEATURES WHERE NEW CONSTRUCTION IS NOT SHOWN ON THE DRAWINGS.
 18. INSTALL EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE DRAWINGS OR AS ORDERED BY THE ENGINEER. THE MINIMUM STANDARDS FOR ALL EROSION AND SEDIMENT CONTROLS SHALL BE THOSE OUTLINED IN THE 2007 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. LATEST REVISION. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
 19. BE RESPONSIBLE FOR THE CONTROL OF DUST RESULTING FROM CONSTRUCTION OPERATIONS.
 20. IN THE EVENT OF A CONTAMINANT RELEASE, IMMEDIATELY NOTIFY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION EMERGENCY RESPONSE AND SPILL PREVENTION DIVISION (860-424-3338 OR 866-337-7745) AND THE TOWN OF ESSEX FIRE MARSHALS OFFICE (860-767-4340).
 21. COORDINATE BUILDING UTILITY SERVICE WORK WITH THE APPLICABLE UTILITY COMPANIES.



NOTES TO CONTRACTOR

1. NO ACTIVITY SHALL BE CONDUCTED WITHIN 100 FEET OF THE INLAND WETLAND BOUNDARY WITHOUT THE APPROVAL OF THE TOWN OF ESSEX INLAND WETLAND ENFORCEMENT OFFICER AND/OR THE APPROVAL OF A REGULATED ACTIVITY PERMIT GRANTED BY THE TOWN OF ESSEX INLAND WETLANDS AND WATERCOURSES COMMISSION.
2. IN ACCORDANCE WITH SECTION 101F.1 OF THE TOWN OF ESSEX ZONING REGULATIONS, NO CUTTING OF VEGETATION WILL TAKE PLACE WITHIN 50 FEET OF THE COASTAL JURISDICTION LINE EXCEPT AS PROVIDED FOR IN THE REGULATION.

ZONING STANDARDS SCHEDULE

RURAL RESIDENCE (RU) DISTRICT				
SECTION	STANDARD	REQUIRED	EXISTING	PROVIDED
61B	MINIMUM LOT AREA	80,000 SF	59,268 SF	59,268 SF
61B	MINIMUM LOT WIDTH	150 FT	170 FT	170 FT
61B	SETBACKS			
	FRONT	40 FT	-	67.4 FT
	SIDE	30 FT	-	32.1 FT
61B	REAR	30 FT	-	123.9 FT
	MAXIMUM BUILDING COVERAGE	15%	-	6.25%
61B	MAXIMUM BUILDING HEIGHT	35 FT	-	34.8 FT

- NOTES:**
1. THE LOT SHALL CONTAIN A CONTIGUOUS BUILDING SITE OF AT LEAST 34,000 SQUARE FEET OF BUILDABLE LAND.

OWNER
JONATHAN & KAITLYN WEISS
9 LYNDENBORO STREET
CHARLESTOWN, MASSACHUSETTS 02129
281-825-8413

APPLICANT
JONATHAN & KAITLYN WEISS
9 LYNDENBORO STREET
CHARLESTOWN, MASSACHUSETTS 02129
281-825-8413

Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 718
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

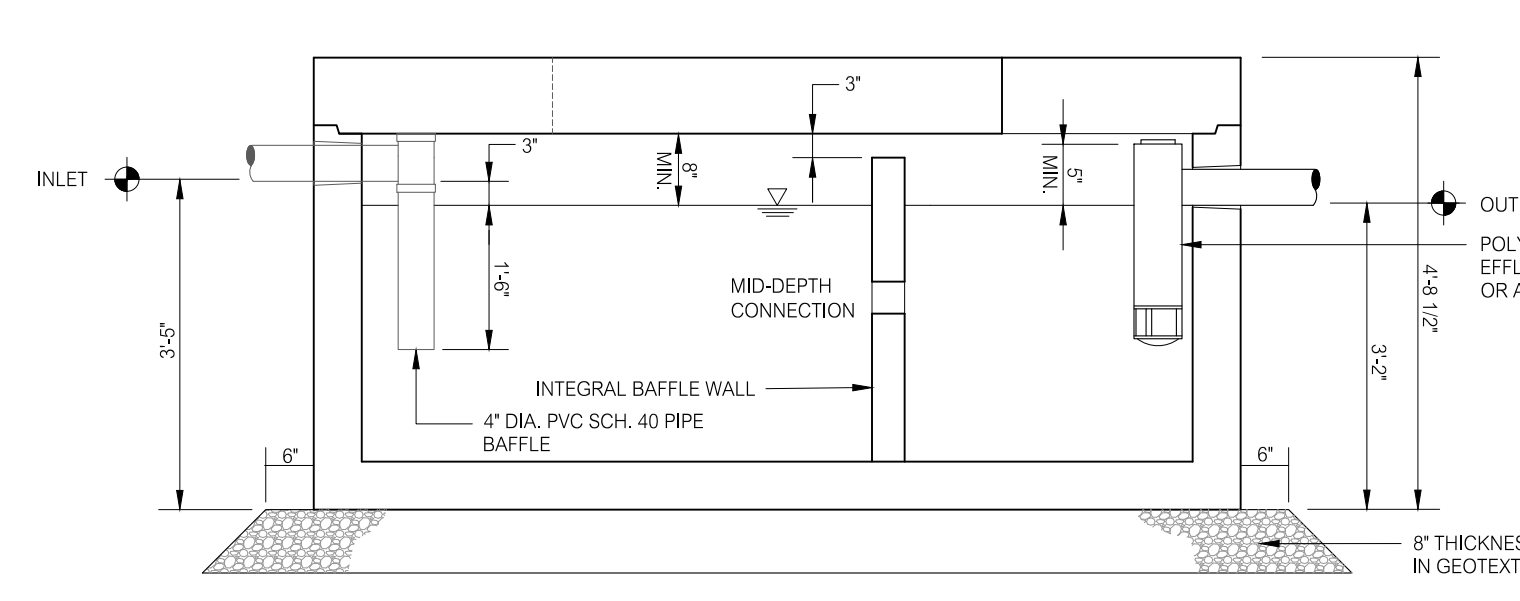
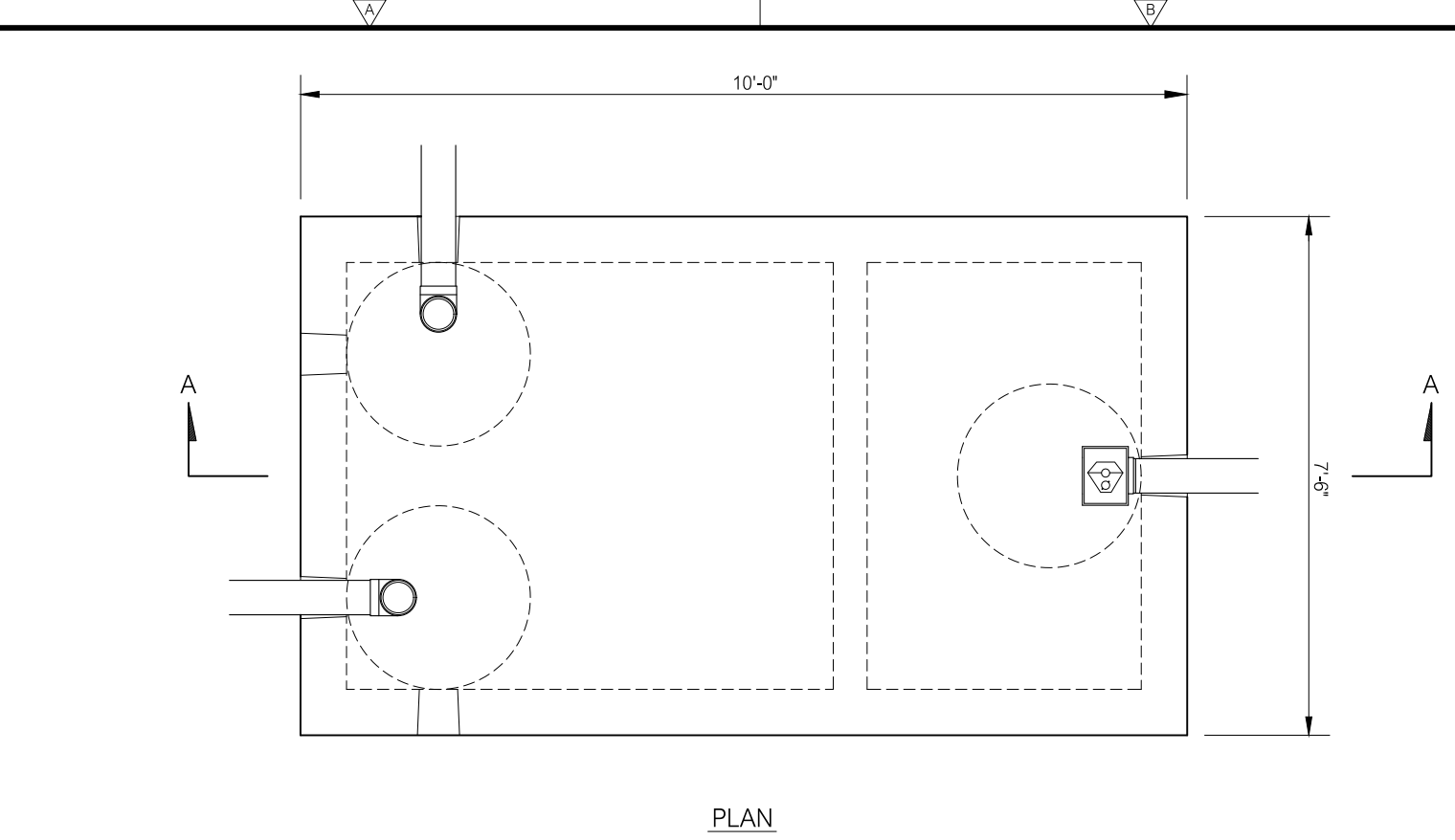
WEISS RESIDENCE
14 MILL ROAD
ESSEX, CONNECTICUT

GENERAL PLAN

DATE: 5-1-22
SCALE: 1"=20'
DESIGNED: MJO
CHECKED: LJM

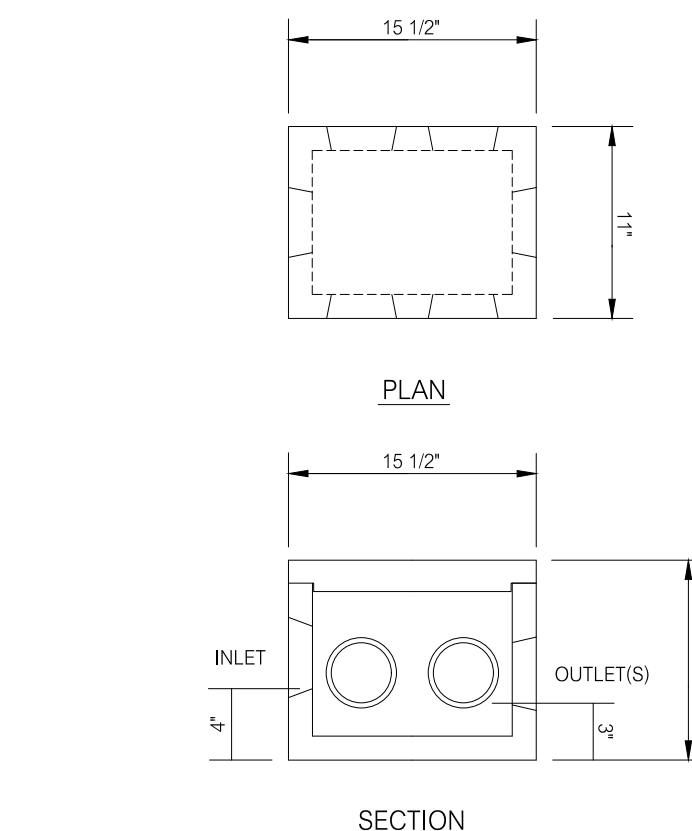
SHEET: PROJECT NO.: 22-06

SHEET NO.: 1 OF 3



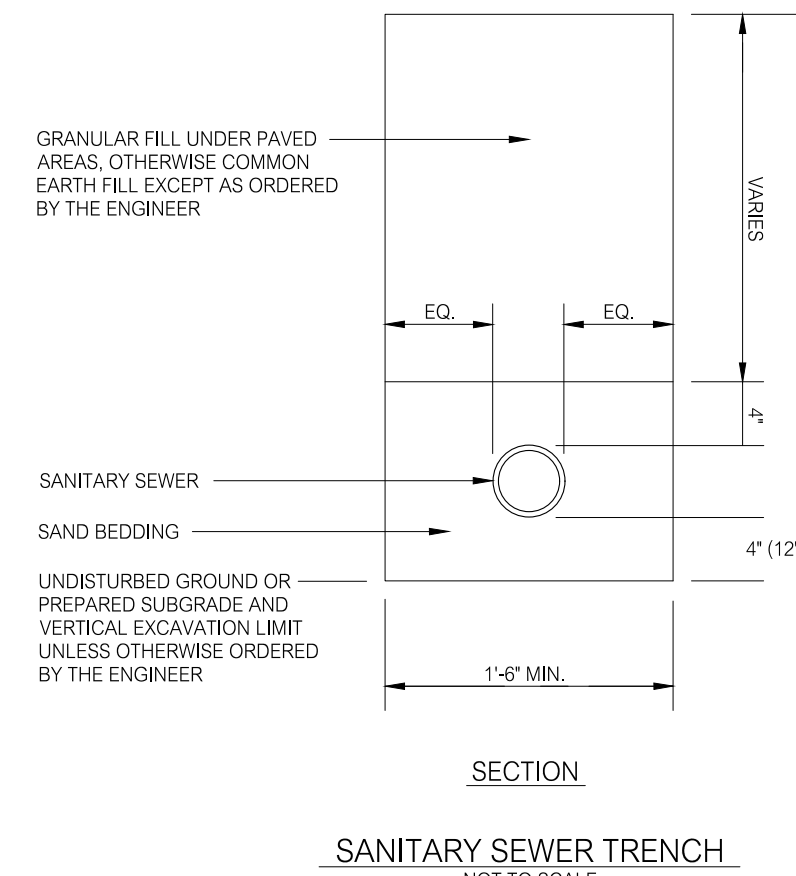
1,250 GALLON PRECAST CONCRETE SEPTIC TANK
NOT TO SCALE

- NOTES:
1. PRECAST CONCRETE SEPTIC TANK STRUCTURE DIMENSIONS SHOWN ARE BASED ON TYPICAL SEPTIC TANK STRUCTURE DESIGNS OF UNIFIED CONCRETE PRODUCTS, INC., WALLINGFORD, CONNECTICUT. SEPTIC TANK STRUCTURE DIMENSIONS OF OTHER PRECAST CONCRETE MANUFACTURERS MAY VARY FROM THOSE SHOWN.
 2. THE SEPTIC TANK STRUCTURE EXTERIOR BOTTOM AND SIDE WALL SURFACES SHALL BE COATED WITH A BITUMINOUS WATERPROOFING COMPOUND.
 3. DESIGN LOADING: AASHTO HS-20-44 WHEEL LOADING.
 4. CONCRETE REINFORCEMENT NOT SHOWN.



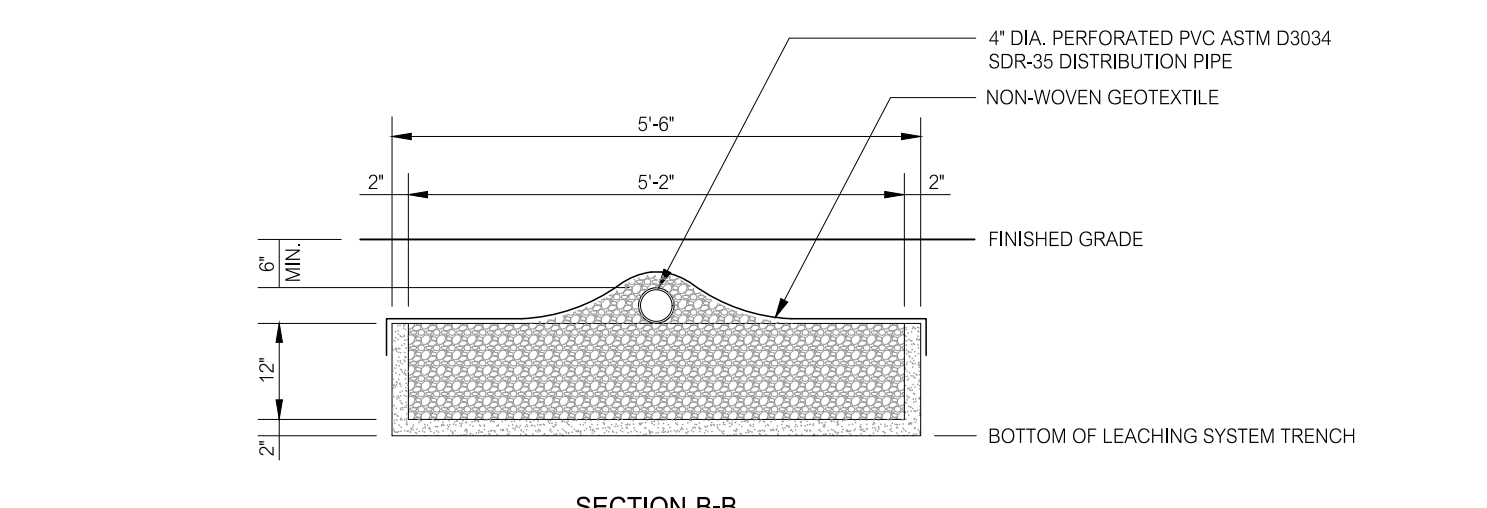
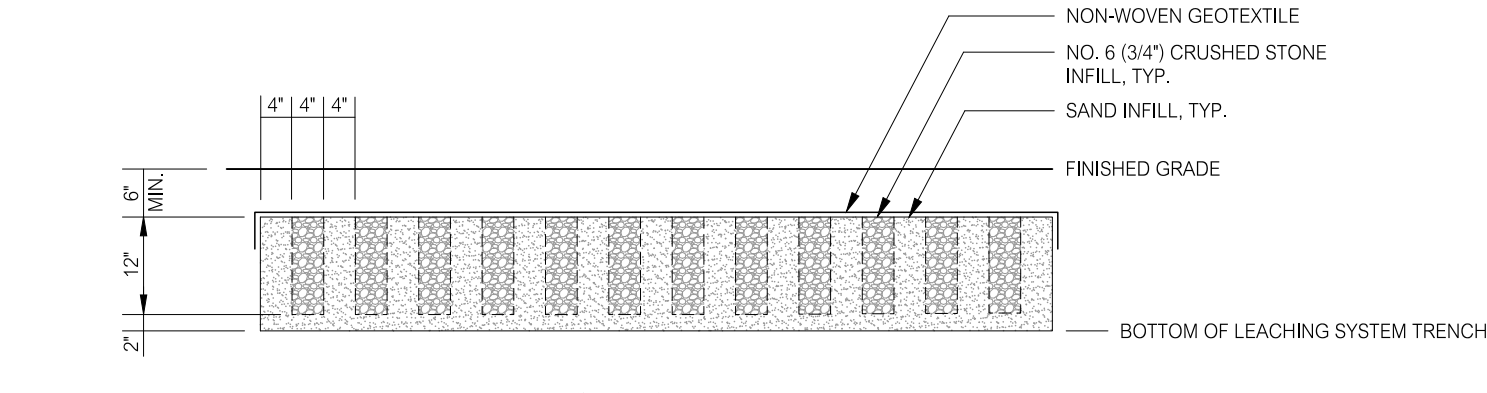
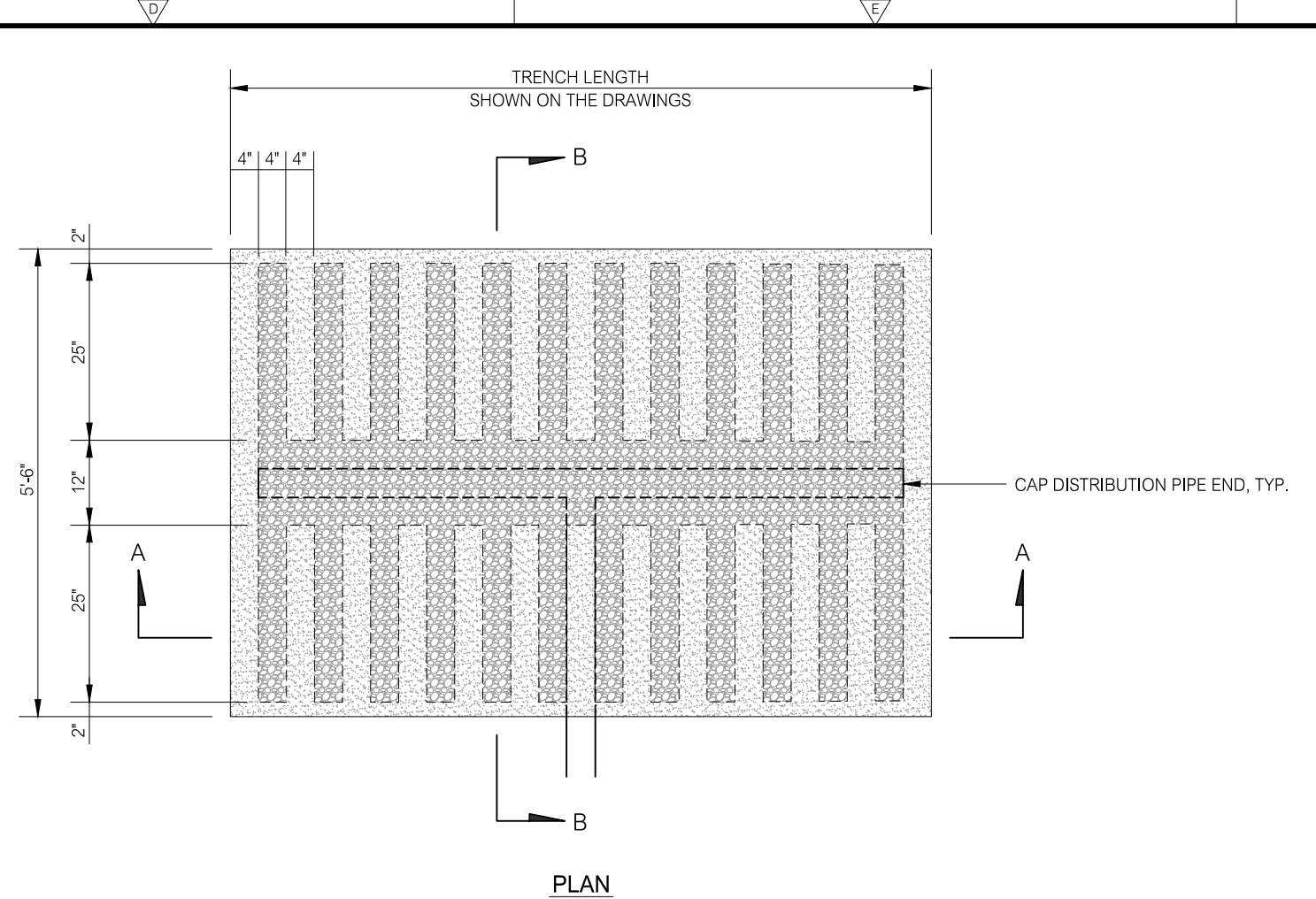
PRECAST CONCRETE DISTRIBUTION BOX
NOT TO SCALE

- NOTES:
1. SET DISTRIBUTION BOX LEVEL ON A 6" THICKNESS BASE OF 3/4" CRUSHED STONE.
 2. EXTEND EFFLUENT SEWER AND DISTRIBUTION PIPES INSIDE DISTRIBUTION BOX TO ALLOW FOR INSTALLATION OF FITTINGS TO BE USED FOR FLOW ADJUSTMENT.
 3. DISTRIBUTION BOX DIMENSIONS SHOWN ARE BASED ON TYPICAL PRECAST CONCRETE MANUFACTURER DESIGNS FOR THE TYPE OF DISTRIBUTION BOX SHOWN. DIMENSIONS MAY VARY WITH PRECAST MANUFACTURER.
 4. CONCRETE REINFORCEMENT NOT SHOWN.



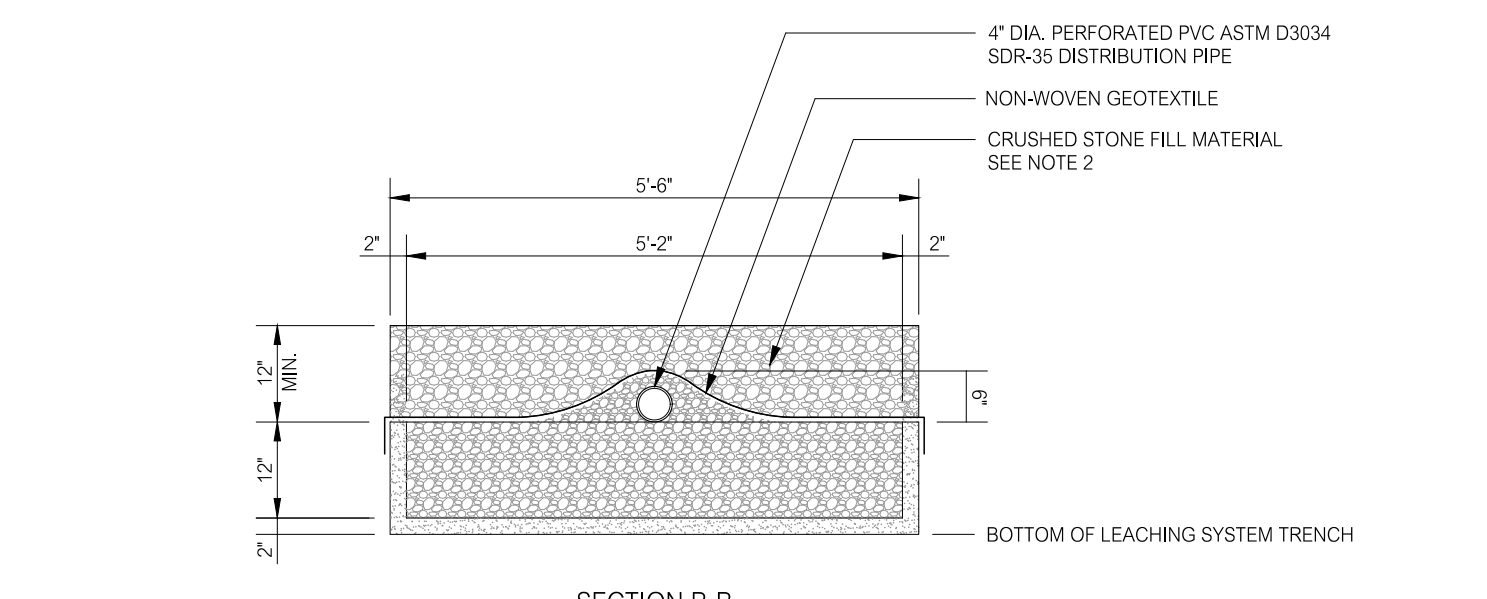
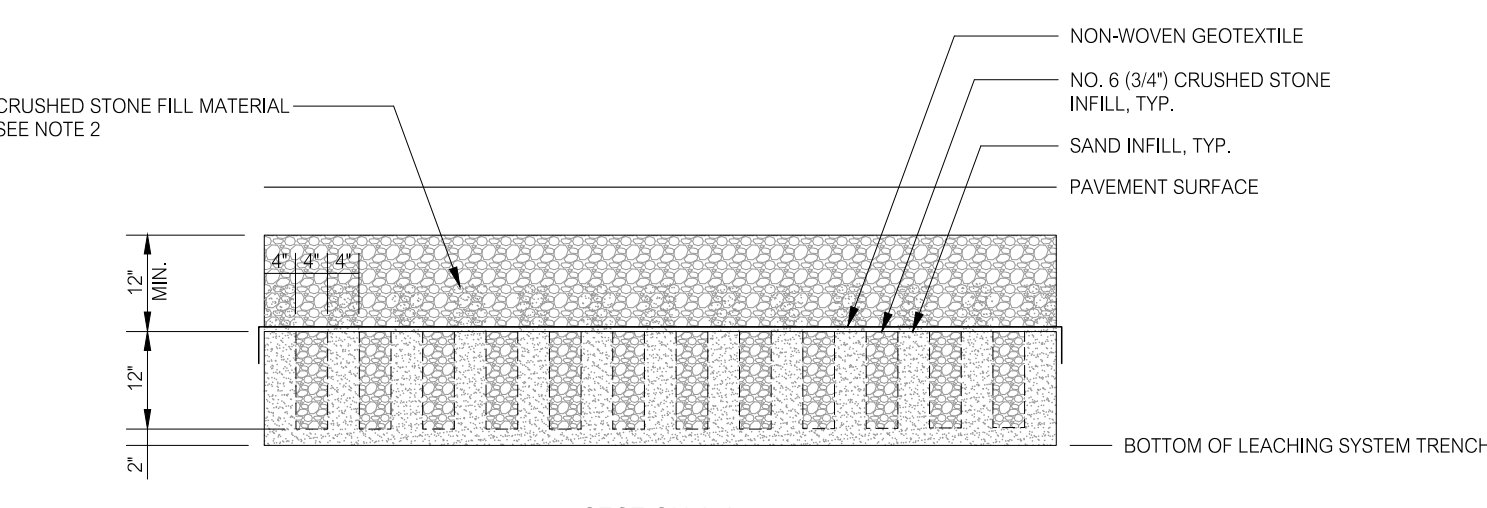
SANITARY SEWER TRENCH
NOT TO SCALE

- NOTES:
1. IN UNSUITABLE SOIL CONDITIONS OR ROCK, PROVIDE ADDITIONAL SAND BEDDING OR ADDITIONAL 3/4" CRUSHED STONE WRAPPED IN GEOTEXTILE BELOW THE VERTICAL EXCAVATION LIMIT.



GST 6212 GEOMATRIX GST LEACHING SYSTEM
NOT TO SCALE

- NOTES:
1. INSTALL LEACHING SYSTEM IN ACCORDANCE WITH THE LEACHING SYSTEM MANUFACTURERS INSTRUCTIONS.



GST 6212 GEOMATRIX GST LEACHING SYSTEM TYPICAL DETAILS FOR VEHICULAR LOADING INSTALLATIONS
NOT TO SCALE

- NOTES:
1. GEOMATRIX LEACHING SYSTEM INSTALLATION FOR AASHTO H-20 WHEEL LOADING CONDITION.
 2. CRUSHED STONE FILL MATERIAL LAYER ABOVE THE LEACHING SYSTEM SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1 1/2 INCHES AND A FINE PARTICLE FRACTION PASSING THE #200 SIEVE OF LESS THAN 10% BY WEIGHT.
 3. INSTALL THE GEOMATRIX LEACHING SYSTEM IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

TEST PIT LOGS

- TEST PITS LOGGED BY DONALD MITCHELL, RS OF THE TOWN OF ESSEX HEALTH DEPARTMENT AND OBSERVED BY THE ENGINEER ON 3-22-22
- TP 5
- 0' - 8" DARK BROWN LOAMY FINE SAND
 - 8' - 10" ORANGE BROWN LOAMY FINE SAND
 - 10' - 67" TAN GREY FINE-MEDIUM SAND, SOME GRAVEL, MANY INTERLOCKING STONES AND ROCKS (ROOTS TO 3')
 - NO MOTTLING OBSERVED
 - NO GROUNDWATER OBSERVED
 - NO REFUSAL
- TP 6
- 0' - 9" DARK BROWN LOAMY FINE SAND
 - 9' - 22" ORANGE BROWN LOAMY FINE SAND WITH GRAVEL
 - 22' - 87" TAN GREY COARSE SAND AND GRAVEL, SOME FINER SAND IN LENSES (ROOTS TO 45')
 - NO MOTTLING OBSERVED
 - NO GROUNDWATER OBSERVED
 - NO REFUSAL
- TP 7
- 0' - 5" DARK BROWN LOAMY FINE SAND
 - 5' - 23" ORANGE BROWN COARSE SAND WITH GRAVEL
 - 23' - 88" GREY MEDIUM-COARSE SAND AND GRAVEL (ROOTS TO 39')
 - NO MOTTLING OBSERVED
 - NO GROUNDWATER OBSERVED
 - NO REFUSAL

PERCOLATION TEST RESULTS

PERCOLATION TESTS CONDUCTED BY THE ENGINEER ON 3-22-22

PT 1

DEPTH OF TEST HOLE: 31 INCHES
PRESOAKED @ 9:00
REFILLED @ 12:10

TIME (MIN)	DEPTH TO WATER (IN)
12:10	14
12:15	15 1/4
12:20	16 1/4
12:25	17
12:30	17 5/8
12:35	19 1/4
12:40	19 7/8
12:45	20 1/2

PERCOLATION RATE: 8 MINUTES PER INCH

PT 2

DEPTH OF TEST HOLE: 33 INCHES
PRESOAKED @ 9:00
REFILLED @ 12:12

TIME (MIN)	DEPTH TO WATER (IN)
12:12	17
12:17	17 7/8
12:22	18 1/8
12:27	18 3/4
12:32	19 1/2
12:37	20 1/8
12:42	20 5/8
12:47	21 1/8
12:52	21 5/8

PERCOLATION RATE: 10 MINUTES PER INCH

DESIGN BASIS

1. DESIGN WASTEWATER FLOW:
 - 5 BEDROOM RESIDENCE
 - 5 BEDROOMS X 150 GAL/DAY/BEDROOM = 750 GAL
2. MINIMUM SEPTIC TANK VOLUME:
 - 3 BEDROOMS: 1,000 GAL
 - 2 BEDROOM X 125 GALLONS/BEDROOM = 250 GAL
 - SEPTIC TANK VOLUME PROVIDED: 1,250 GAL
3. DESIGN PERCOLATION RATE: < 10.1 MIN/IN
4. EFFECTIVE LEACHING AREA REQUIRED:
 - 3 BEDROOMS: 495 SF
 - 2 BEDROOM X 82.5 SF/BEDROOM = 165 SF
 - 660 SF
5. EFFECTIVE LEACHING AREA PROVIDED:
 - 66 LF GEOMATRIX GST 6212 LEACHING SYSTEM X 10.0 SF/LF = 660 SF

SUBSURFACE SEWAGE DISPOSAL SYSTEM ELEVATIONS

ITEM	ELEVATION
BUILDING SEWER INVERT AT EXTERIOR FACE OF FOUNDATION WALL	35.00
SEPTIC TANK	
INLET INVERT	34.50
OUTLET INVERT	34.25
TOP LEACHING SYSTEM	34.08
BOTTOM LEACHING SYSTEM TRENCH	32.92

SUBSURFACE SEWAGE DISPOSAL SYSTEM NOTES:

1. THE SUBSURFACE SEWAGE DISPOSAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES CONNECTICUT PUBLIC HEALTH CODE SECTIONS 19-13-103a THROUGH 19-13-103f AND THE 'CONNECTICUT PUBLIC HEALTH CODE ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS' (TECHNICAL STANDARDS). LATEST REVISION. THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL REQUIRE APPROVAL FROM THE TOWN OF ESSEX HEALTH DEPARTMENT.
2. WITH RESPECT TO THE REQUIREMENTS OF THE TECHNICAL STANDARDS, THERE ARE NO KNOWN CONFLICTS WITH THE DESIGN OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM.
3. NO DEVIATION FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE ALLOWED WITHOUT THE APPROVAL OF THE TOWN OF ESSEX HEALTH DEPARTMENT AND THE ENGINEER.
4. CONTACT THE TOWN OF ESSEX HEALTH DEPARTMENT PRIOR TO THE START OF WORK TO OBTAIN AN APPROVAL TO CONSTRUCT FOR THE SUBSURFACE SEWAGE DISPOSAL SYSTEM AND TO ARRANGE FOR A SCHEDULE OF INSPECTIONS DURING THE PROGRESS OF THE WORK.
5. CONTACT THE ENGINEER PRIOR TO THE START OF WORK TO SCHEDULE THE CONSTRUCTION STAKING AND SETTING A BENCHMARK WITHIN 25 FEET OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM.
6. NOTIFY THE TOWN OF ESSEX HEALTH DEPARTMENT AND THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE OF THE START OF WORK AND IN ADVANCE OF ALL REQUIRED INSPECTIONS.
7. NOTIFY THE TOWN OF ESSEX HEALTH DEPARTMENT AND THE ENGINEER SHOULD SOIL OR GROUNDWATER CONDITIONS BE ENCOUNTERED THAT DIFFER FROM THOSE INDICATED IN THE TEST PIT LOGS PROVIDED ON THE DRAWINGS.
8. THE SUBSURFACE SEWAGE DISPOSAL SYSTEM HAS BEEN DESIGNED TO PROVIDE A MINIMUM EARTH COVER DEPTH OVER THE SEPTIC TANK OF SIX (6) INCHES. IF THE SEPTIC TANK IS INSTALLED SUCH THAT THE EARTH COVER DEPTH IS GREATER THAN TWELVE (12) INCHES, RISERS TO GRADE SHALL BE REQUIRED TO BE CONSTRUCTED OVER THE SEPTIC TANK INLET AND OUTLET. RISER ACCESS COVERS SHALL BE WATER-TIGHT AND BOLTED OR LOCKING TYPE. THE SEPTIC TANK MANUFACTURER ACCESS COVERS SHALL REMAIN INSTALLED ON THE SEPTIC TANK.
9. THE SUBSURFACE SEWAGE DISPOSAL SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE THE INSTALLATION OF GARBAGE GRINDERS OR LARGE CAPACITY (>100 GALLONS) BATH TUBS WITHIN THE BUILDING SERVED.
10. WHERE LEACHING FIELDS OR PORTIONS OF LEACHING FIELDS ARE SHOWN TO BE CONSTRUCTED IN SELECT FILL WITHIN THE LEACHING FIELD AREAS, REMOVE TOPSOIL AND UNSUITABLE SOILS WITHIN THE HORIZONTAL LIMITS AND TO THE SELECT FILL SURFACE ELEVATION SHOWN ON THE DRAWINGS. DO NOT ALLOW RUBBER TIRE EQUIPMENT OR VEHICLES ON THE LEACHING FIELD SURFACE SOIL AREA ONCE TOPSOIL AND UNSUITABLE SOILS HAVE BEEN REMOVED. SCARIFY THE SURFACE SOIL AREA TO A DEPTH ADEQUATE TO REMOVE SOIL COMPACTION THAT MAY HAVE OCCURRED DURING TOPSOIL AND UNSUITABLE SOILS REMOVAL OPERATIONS.
11. PLACE SELECT FILL IN A MANNER THAT PREVENTS OVER COMPACTION OF THE LEACHING FIELD SURFACE SOIL AREA. PLACE SELECT FILL BY PUSHING THE MATERIAL IN FROM THE PERIMETER OF THE AREA USING TRACK MOUNTED EQUIPMENT, MAINTAINING AT LEAST TWELVE (12) INCHES OF SELECT FILL UNDER THE EQUIPMENT TRACKS AT ALL TIMES. PLACE SELECT FILL IN LAYERS NOT EXCEEDING TWELVE (12) INCHES IN DEPTH (LOOSE LAYER THICKNESS). COMPACT EACH LAYER OF SELECT FILL WITH SUITABLE EQUIPMENT CAPABLE OF ACHIEVING A DRY DENSITY OF 90 PERCENT OF THE MAXIMUM DRY DENSITY FOR THE MATERIAL AS DETERMINED BY COMPACTION TESTING CONFORMING TO ASTM D1557, METHOD C.
12. PREVENT SEDIMENT FROM ENTERING THE LEACHING FIELD AREA DURING THE CONSTRUCTION PERIOD THROUGH THE USE OF TEMPORARY EARTH BERMS AND/OR OTHER EROSION AND SEDIMENT CONTROLS.
13. CONTACT THE ENGINEER PRIOR TO COVERING THE COMPLETED SUBSURFACE SEWAGE DISPOSAL SYSTEM TO SCHEDULE THE RECORD FIELD SURVEY OF THE SYSTEM.
14. THE COMPLETED SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE COVERED AS SOON AS IS PRACTICABLE FOLLOWING THE FINAL INSPECTION BY THE TOWN OF ESSEX HEALTH DEPARTMENT AND THE ENGINEER.
15. THE SUBGRADE OF DISTURBED GROUND SURFACES NOT NOTED TO BE SURFACED OTHERWISE SHALL RECEIVE A SIX INCH THICKNESS OF TOPSOIL UPON WHICH TURF SHALL BE ESTABLISHED.
16. A RECORD DRAWING OF THE COMPLETED SUBSURFACE SEWAGE DISPOSAL SYSTEM PREPARED BY THE ENGINEER SHALL BE SUBMITTED TO THE TOWN OF ESSEX HEALTH DEPARTMENT PRIOR TO THE ISSUANCE OF A PERMIT TO DISCHARGE WASTEWATER TO THE SUBSURFACE SEWAGE DISPOSAL SYSTEM.

MATERIAL REQUIREMENTS:

1. PRECAST CONCRETE PRODUCTS:
 - PRECAST CONCRETE PRODUCTS SHALL MEET THE REQUIREMENTS OF THE TECHNICAL STANDARDS AND:
 - SEPTIC TANKS, GREASE INTERCEPTOR TANKS, AND PUMP CHAMBERS: ASTM C1227 STANDARD SPECIFICATION FOR CONCRETE SEPTIC TANKS. SEALS AT PIPE AND CONDUIT PENETRATIONS SHALL BE WATER-TIGHT TYPE MEETING THE REQUIREMENTS OF ASTM C1644 STANDARD SPECIFICATION FOR RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE ON-SITE WASTEWATER TANKS AND PIPE.
 - LEACHING CHAMBERS: ASTM C913 STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES.
2. GRAVITY AND FORCE MAIN PIPE AND TUBING:
 - BUILDING SEWER AND FORCE MAIN PIPE: ASTM D1785 STANDARD SPECIFICATION FOR POLY(VINYL CHLORIDE) (PVC) SCHEDULES 40, 80, AND 120, SOLID WALL, WITH SOLVENT WELD FITTINGS AND JOINTS.
 - EFFLUENT SEWER AND DISTRIBUTION PIPE: ASTM D3034 STANDARD SPECIFICATION FOR TYPE PSM POLY(VINYL CHLORIDE) (PVC) SEWER PIPE AND FITTINGS, STANDARD DIMENSION RATIO 35, SOLID WALL, WITH BELL AND SPIGOT RUBBER COMPRESSION GASKET FITTINGS AND JOINTS MEETING THE REQUIREMENTS OF ASTM D2022 STANDARD SPECIFICATION FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPES USING FLEXIBLE ELASTOMERIC SEALS, OR SOLVENT WELD FITTINGS AND JOINTS, AND PERFORATED WITH BELL AND SPIGOT JOINTS.
 - FORCE MAIN PIPE AND TUBING: ASTM D1785 STANDARD SPECIFICATION FOR POLY(VINYL CHLORIDE) (PVC) SCHEDULES 40, 80, AND 120, SOLID WALL, WITH SOLVENT WELD FITTINGS AND JOINTS AND ASTM D3035-15, STANDARD SPECIFICATION FOR POLYETHYLENE (PE) PLASTIC PIPE (DR-PR) BASED ON CONTROLLED OUTSIDE DIAMETER, DIMENSION RATIO 11 WITH BUTT FUSED JOINTS.
3. GEOTEXTILES:
 - NON WOVEN SEPARATION/FILTRATION FABRIC COMPRISED OF PERVIOUS SHEETS OF POLYESTER, POLYPROPYLENE, OR POLYETHYLENE FABRICATED INTO A STABLE NETWORK OF FIBERS THAT RETAIN THEIR RELATIVE POSITION WITH RESPECT TO EACH OTHER. NONWOVEN GEOTEXTILE SHALL BE COMPOSED OF CONTINUOUS OR DISCONTINUOUS (STRAP) FIBERS HELD TOGETHER THROUGH NEEDLE-PUNCHING, SPUN-BONDING, THERMAL-BONDING, OR RESIN-BONDING.
 - GEOTEXTILE EDGES: SELVAGED OR OTHERWISE FINISHED TO PREVENT OUTER MATERIAL FROM PULLING AWAY FROM GEOTEXTILE.

MINIMUM AVERAGE ROLL VALUES:

PROPERTY	DESIGN VALUE	TEST METHOD	ACCEPTABLE MANUFACTURERS AND TYPES
TENSILE STRENGTH	120 LBS	ASTM D4632	MRAF166303, 65304 TERRATEX SOT 5, PO1.5 TYPAR 3151, 3201
ELONGATION	50%	ASTM D4632	
TRAPEZOIDAL TEAR	50 LBS	ASTM D4533	
MULLIN BURST STRENGTH	225 PSF	ASTM D3786	
PUNCTURE STRENGTH	65 LBS	ASTM D4533	
A.O.S.	70 (US SIEVE)	ASTM D4751	
PERMITTIVITY	1.8 SEC-1	ASTM D4491	

4. STONE AGGREGATE:
 - CLEAN, WASHED CRUSHED OR BROKEN STONE OF THE SIZES SHOWN ON THE DRAWINGS MEETING THE GRADATION REQUIREMENTS OF SECTION M.01 AND THE REQUIREMENTS OF SECTION M.02.06.3, AND 4, REGARDING RESISTANCE TO ABRASION AND SOUNDNESS RESPECTIVELY OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 817, 2016, LATEST REVISION, INCLUDING ALL SUPPLEMENTS THERETO.

5. SAND:
 - CLEAN SAND MEETING THE PARTICLE SIZE GRADATION REQUIREMENTS OF ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATES:

SIEVE SIZE	PERCENT PASSING
3/8"	100
#4	95 - 100
#8	80 - 100
#16	50 - 85
#30	25 - 60
#50	5 - 30
#100	0 - 10
#200	0 - 5

6. SELECT FILL:
 - CLEAN, SAND OR SAND AND GRAVEL MATERIAL FREE FROM DEBRIS, ICE, SNOW, FROZEN LUMPS, VEGETATION, STUMPS, ROOTS, OR OTHER ORGANIC MATERIALS, CONTAINING NO MATERIAL LARGER THAN THE THREE (3) INCH SIEVE, AND MEETING THE FOLLOWING PARTICLE SIZE GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	*10 - 50	10 - 15
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

- * THE CRITERIA FOR THE PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN SEVENTY-FIVE (75) PERCENT IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED TEN (10) PERCENT AND THE PERCENT PASSING THE #200 SIEVE DOES NOT EXCEED FIVE (5) PERCENT.

7. COMMON FILL:
 - CLEAN, FRAGILE, NON-PLASTIC IN-ORGANIC SOIL MATERIAL CONTAINING NO STONE GREATER THAN TWO THIRDS (2/3) OF THE REQUIRED LOOSE LIFT THICKNESS. THE MATERIAL SHALL BE FREE FROM DEBRIS, ICE, SNOW, FROZEN LUMPS, VEGETATION, STUMPS, ROOTS, OR OTHER ORGANIC MATERIALS.

REVISIONS:

NO.	DATE	DESCRIPTION
1	6-1-22	MISCELLANEOUS
2		DESCRIPTION

LAND OF JONATHAN & KAITLYN WEISS
14 MILL ROAD
ESSEX, CONNECTICUT

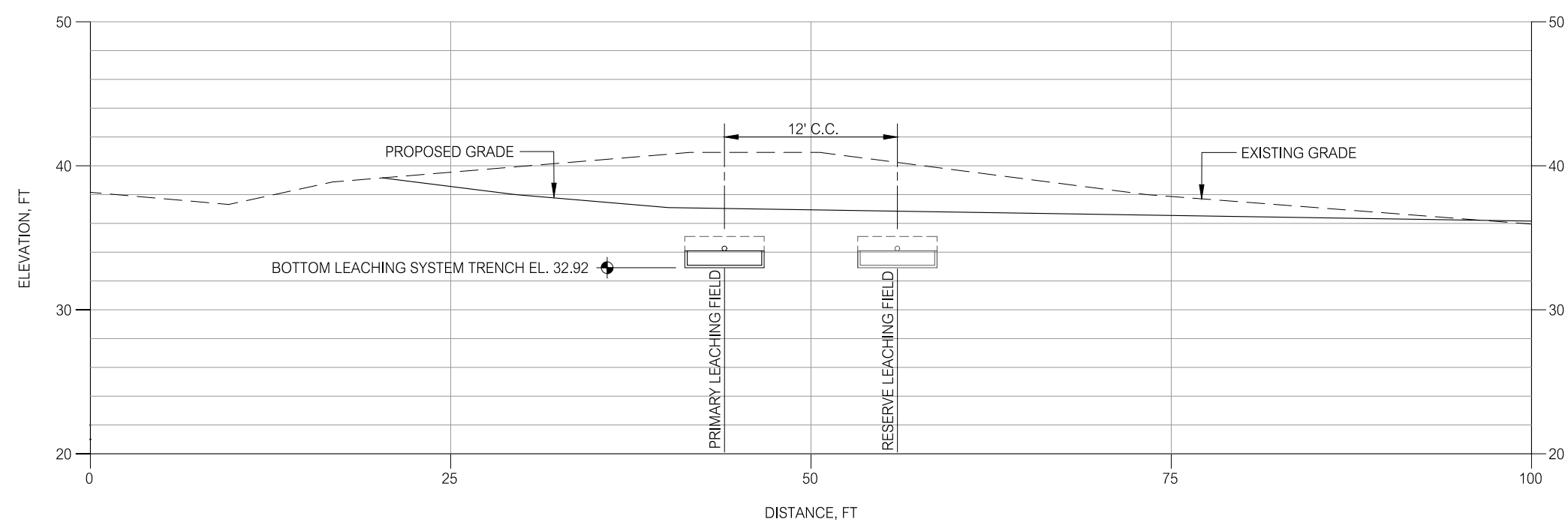
PROJECT: WEISS RESIDENCE
14 MILL ROAD
ESSEX, CONNECTICUT

PREPARED BY: Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

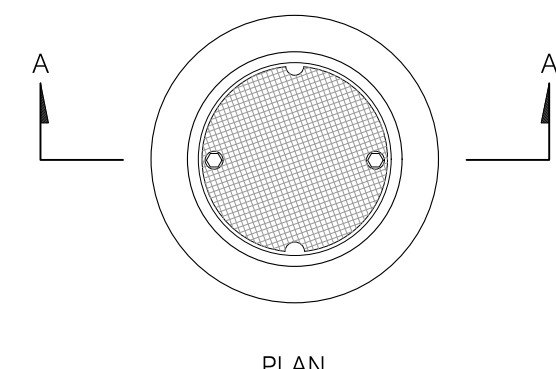
DATE: 5-1-22
SCALE: AS NOTED
DESIGNED: MJO
CHECKED: LIM

SHEET: NOTES AND DETAILS
PROJECT NO.: 22-06

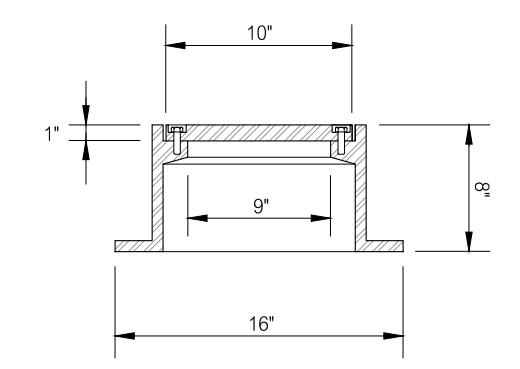
SHEET NO.: 2 OF 3



TYPICAL LEACHING FIELD SECTION
SCALE: 1"=10'



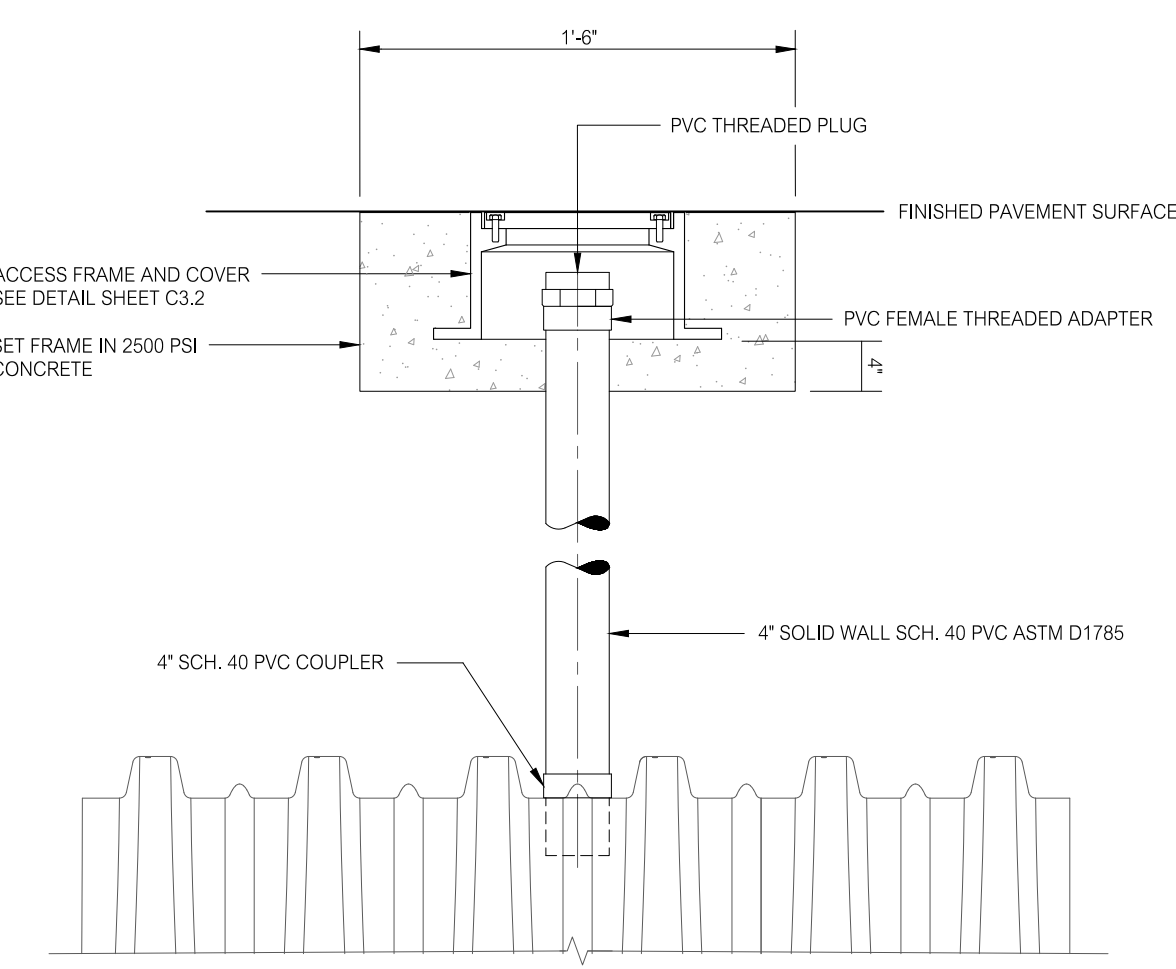
PLAN



SECTION A-A

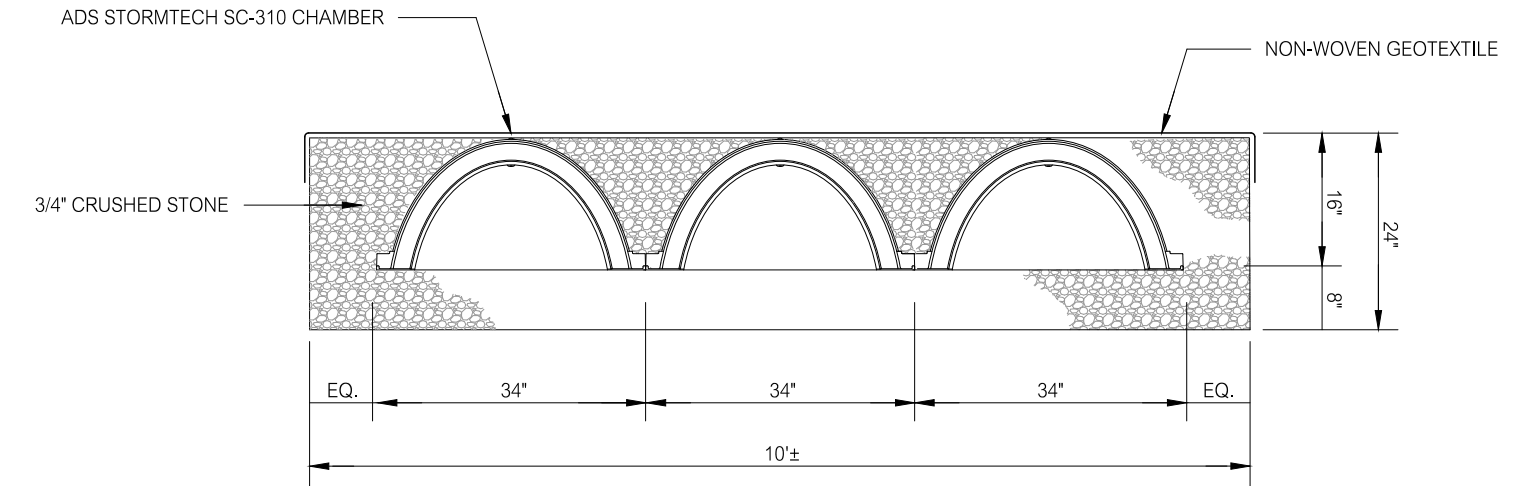
ACCESS FRAME AND COVER
NOT TO SCALE

NOTE:
HEAVY DUTY, BOLTED COVER ACCESS FRAME AND COVER-PATTERN NUMBER 4155, CAMPBELL FOUNDRY COMPANY, NORTH HAVEN, CONNECTICUT OR APPROVED EQUAL.

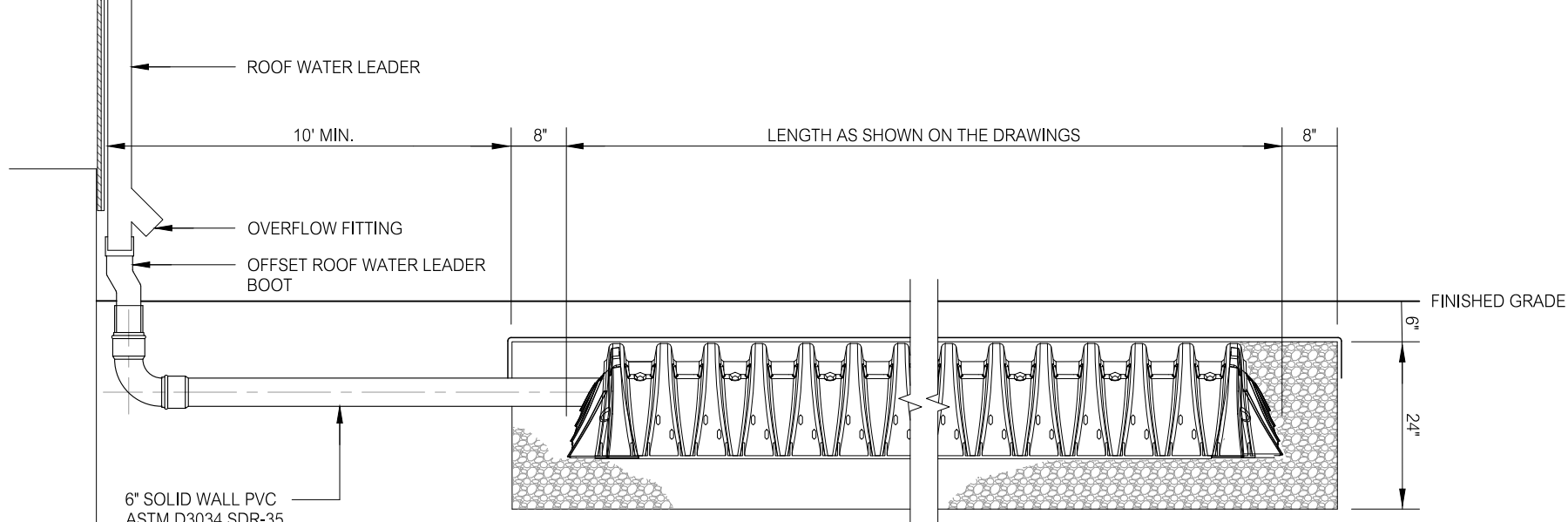


ELEVATION

CHAMBER INSPECTION PORT
1/4"=1'-0"



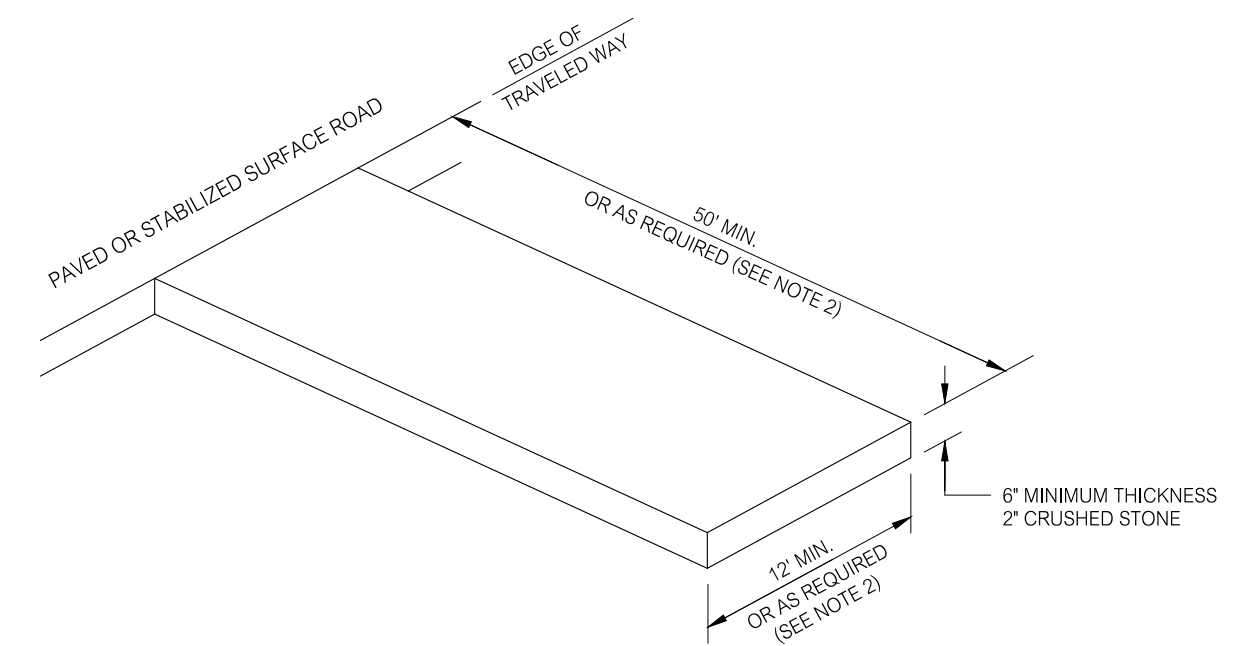
SECTION THROUGH CHAMBERS



ELEVATION

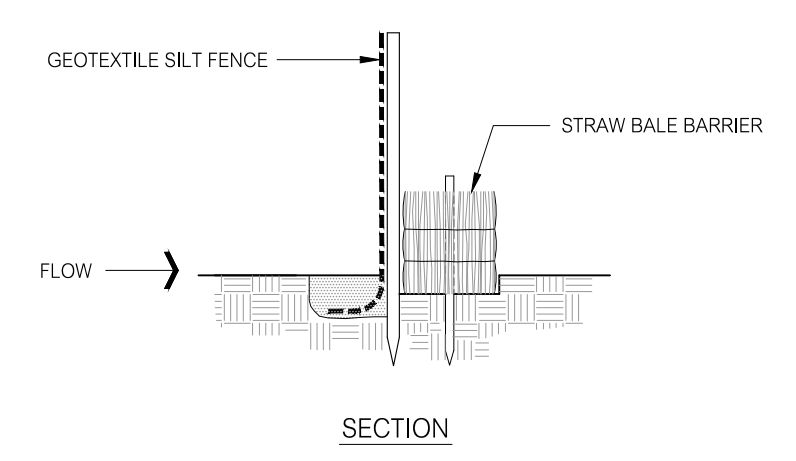
TYPICAL ROOF WATER INFILTRATION SYSTEM
NOT TO SCALE

NOTE:
SEE DRAWINGS FOR LOCATIONS OF INFILTRATION SYSTEM(S) AND REQUIRED NUMBER AND ARRANGEMENTS OF CHAMBERS.



CE CONSTRUCTION ENTRANCE
NOT TO SCALE

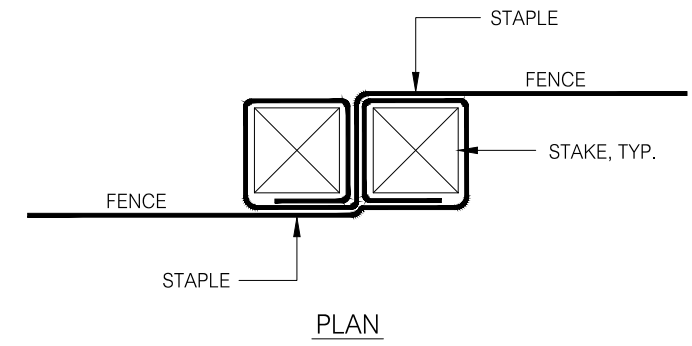
- NOTES:
- CLEAR AND GRUB AREA AND REMOVE TOPSOIL BEFORE PLACEMENT OF CRUSHED STONE LAYER. A GEOTEXTILE MAY BE REQUIRED TO STRENGTHEN SUBGRADE SOILS AND TO PREVENT STONE MOVEMENT AND LOSS OF VOIDS WITHIN THE STONE ENTRANCE WHERE REQUIRED.
 - LENGTH OF ENTRANCE MAY BE LIMITED BY SITE CONDITIONS. PROVIDE ADEQUATE WIDTH OF ENTRANCE AT ROAD INTERSECTION TO ACCOMMODATE THE TURNING MOVEMENTS OF CONSTRUCTION VEHICLES.
 - MAINTAIN ENTRANCE SO AS TO PREVENT TRACKING OR WASHING OF SEDIMENT ONTO ROAD. SEDIMENT THAT MAY BE TRACKED OR OTHERWISE DEPOSITED WITHIN THE ROAD SHALL BE REMOVED IMMEDIATELY.
 - MAINTENANCE MAY INCLUDE THE REQUIREMENT FOR TOP DRESSING THE CRUSHED STONE LAYER OR REPLACING THE FULL DEPTH OF THE CRUSHED STONE LAYER.
 - SHOULD SITE CONDITIONS BE SUCH THAT SOIL CANNOT BE REMOVED BY VEHICLES TRAVELING OVER THE ENTRANCE, THE TIRES OF VEHICLES MAY HAVE TO BE WASHED PRIOR TO VEHICLES ENTERING THE ROAD. ALL WASH WATER SHALL BE DIRECTED THROUGH AN APPROVED SEDIMENT FILTER OR TO A SEDIMENT BASIN.



SECTION

GEOTEXTILE SILT FENCE AND STRAW BALE SEDIMENT BARRIER
NOT TO SCALE

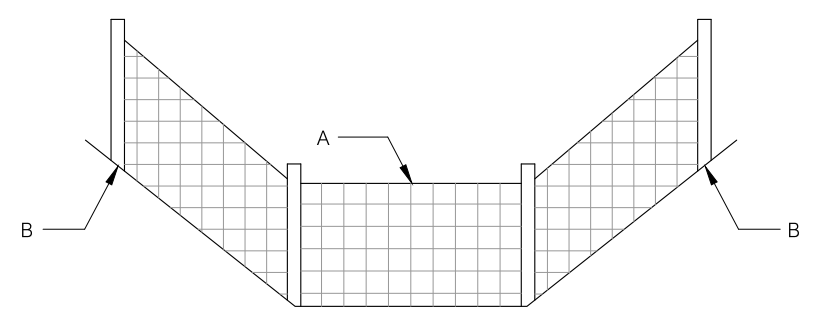
NOTE:
SEE GEOTEXTILE SILT FENCE AND STRAW BALE BARRIER DETAILS THIS SHEET.



PLAN

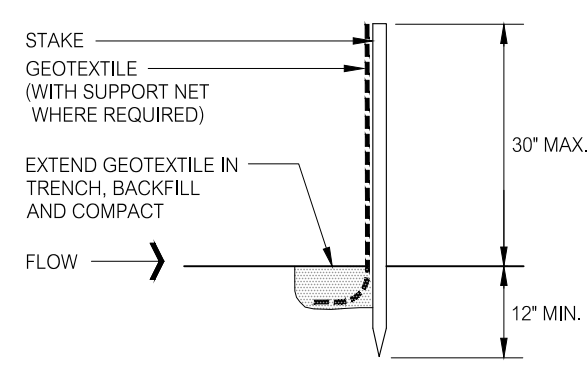
FENCE JOINT DETAIL

NOTE:
DRIVE STAKES TIGHTLY TOGETHER AND SECURE TOPS OF STAKES WITH CORD OR WIRE TO PREVENT FLOW-THROUGH OF SEDIMENT.

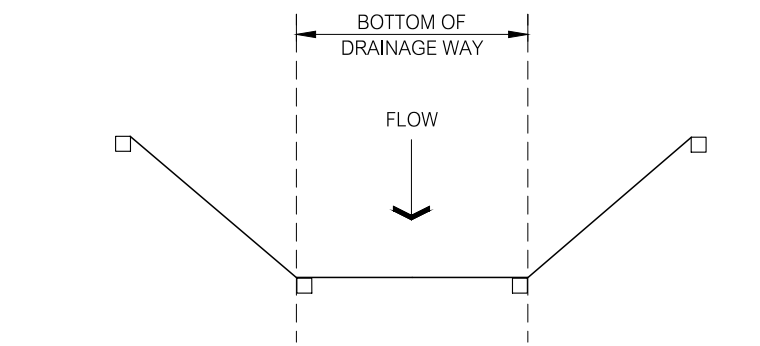


ELEVATION

NOTE:
WHEN NOT INSTALLED ON THE CONTOUR OR WHEN INSTALLED IN A DRAINAGE WAY, THE ELEVATION OF POINTS B SHALL BE HIGHER THAN POINT A.



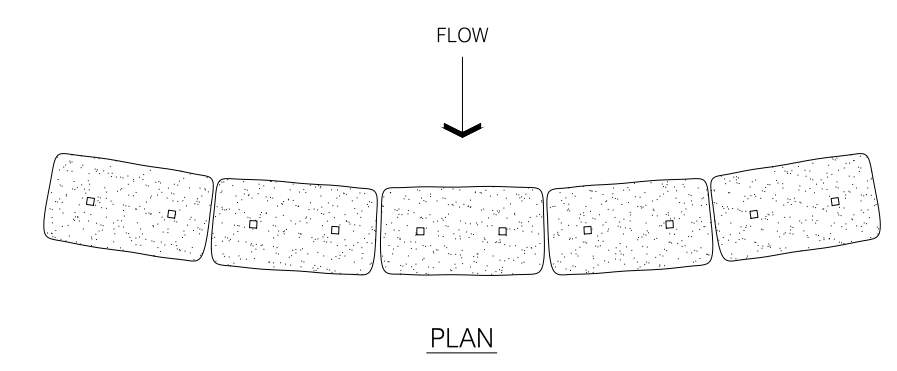
SECTION



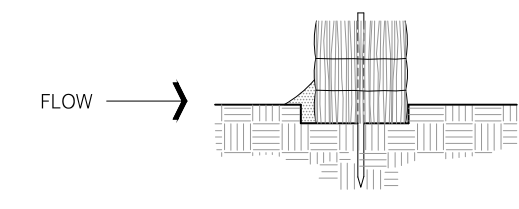
PLAN

GSF GEOTEXTILE SILT FENCE
NOT TO SCALE

- EXCAVATE 6" DEEP TRENCH FOR LENGTH OF THE FENCE.
 - EXTEND 6" LENGTH OF GEOTEXTILE INTO TRENCH, BACKFILL AND COMPACT.
 - AS AN ALTERNATE METHOD, EXTEND LENGTH OF GEOTEXTILE HORIZONTALLY ON EXISTING GROUND, RAMP SOIL OVER GEOTEXTILE AND COMPACT.
- INSPECT FENCE AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.



PLAN



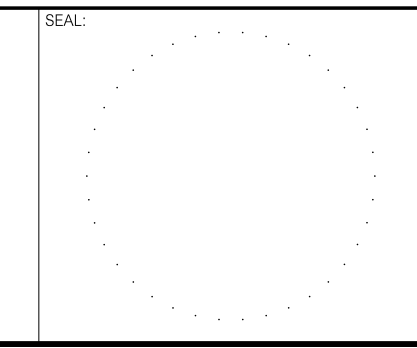
SECTION

HB STRAW BALE BARRIER
NOT TO SCALE

- EXCAVATE 4" DEEP TRENCH FOR LENGTH OF BALES.
 - PLACE AND STAKE BALES, TWO (2) STAKES PER BALE.
 - PLACE BALES SUCH THAT BINDINGS ARE ORIENTED AROUND THE SIDES OF BALES RATHER THAN ALONG THE TOP AND BOTTOM OF BALES.
 - WEDGE LOOSE STRAW BETWEEN BALES.
 - BACKFILL AND COMPACT THE EXCAVATED SOIL ON UPHILL SIDE OF BARRIER.
- INSPECT BARRIER AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2 INCH OR GREATER.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE BARRIER.

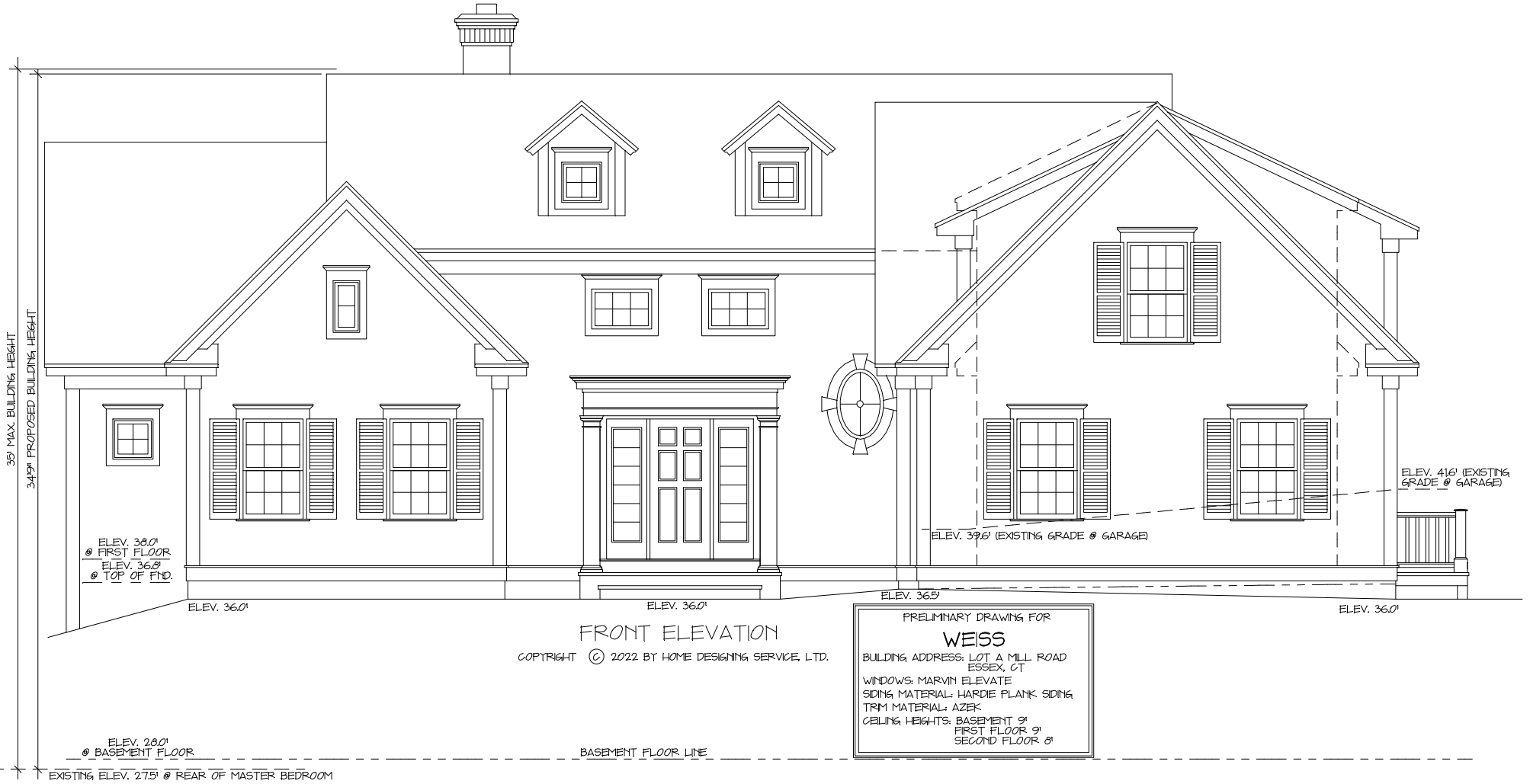
NO.	DATE	DESCRIPTION
6-1-22		MISCELLANEOUS
		REVISIONS

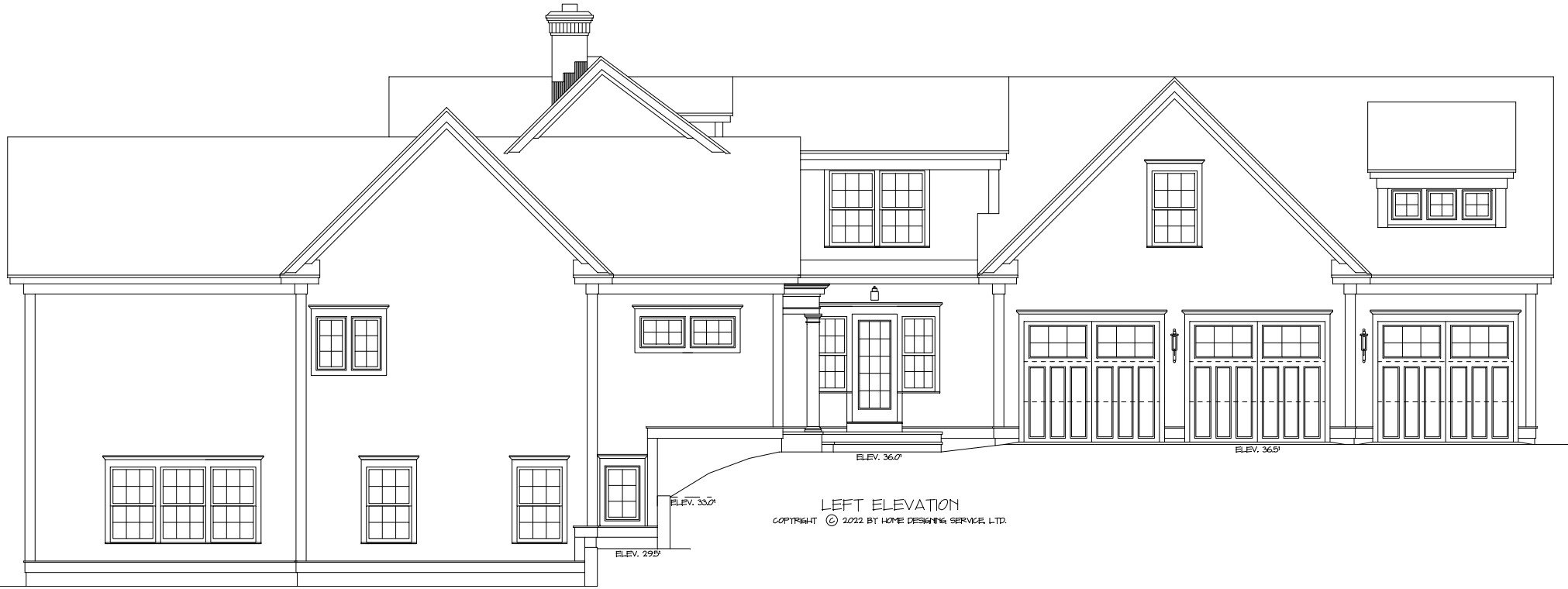
LAND OF
JONATHAN & KAITLYN WEISS
14 MILL ROAD
ESSEX, CONNECTICUT



PREPARED BY:
Summer Hill
Civil Engineers & Land Surveyors, P.C.
60 Wall Street
P.O. Box 708
Madison, Connecticut 06443-0708
Telephone: (203) 245-0722

PROJECT: WEISS RESIDENCE 14 MILL ROAD ESSEX, CONNECTICUT		SHEET: DETAILS		SHEET NO.: 3 OF 3	
DATE: 5-1-22	SCALE: AS NOTED	DESIGNED: MJO	CHECKED: LIM	FIELD BOOK: -	PROJECT NO.: 22-06





ELEV. 27'0"

ELEV. 29'5"

ELEV. 33'0"

ELEV. 36'0"

ELEV. 36'5"

LEFT ELEVATION
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ELEV. 27.0' ELEV. 27.5' (EXISTING GRADE @ BEDROOM #4)

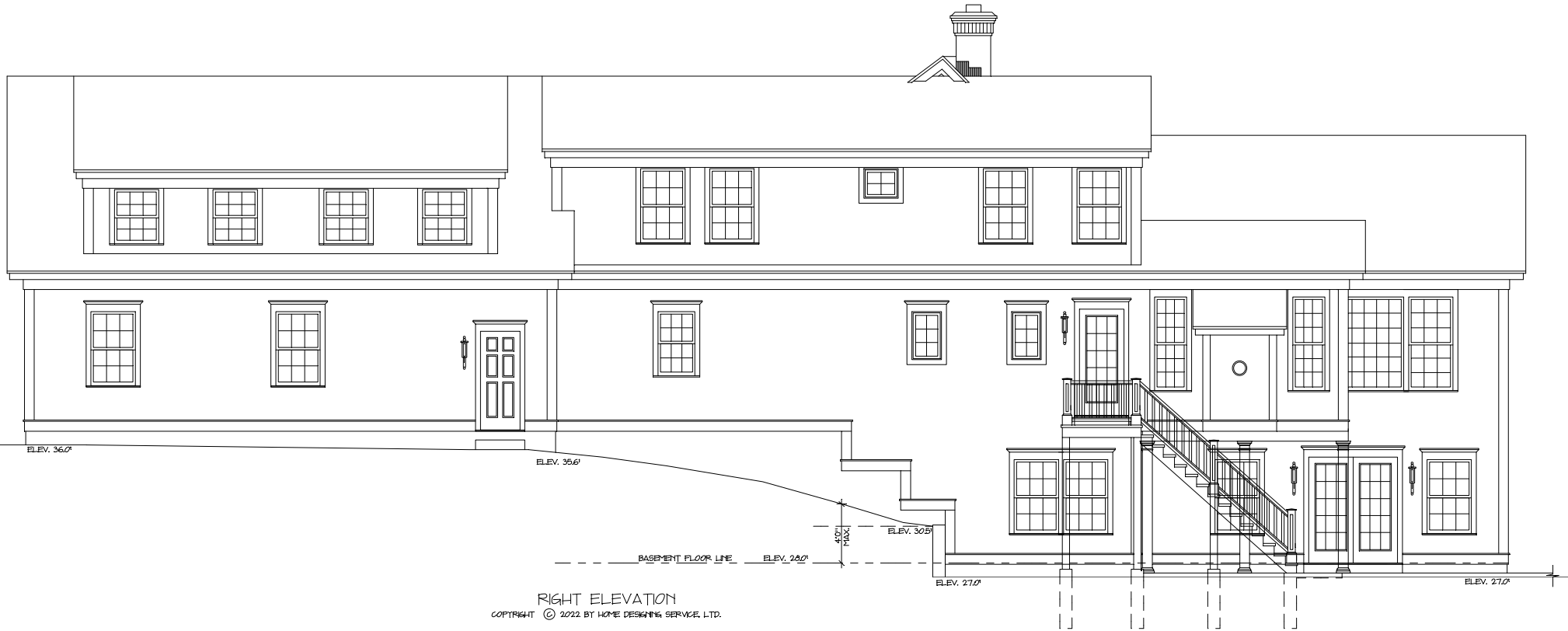
ELEV. 29.0' (EXISTING GRADE @ BAR)

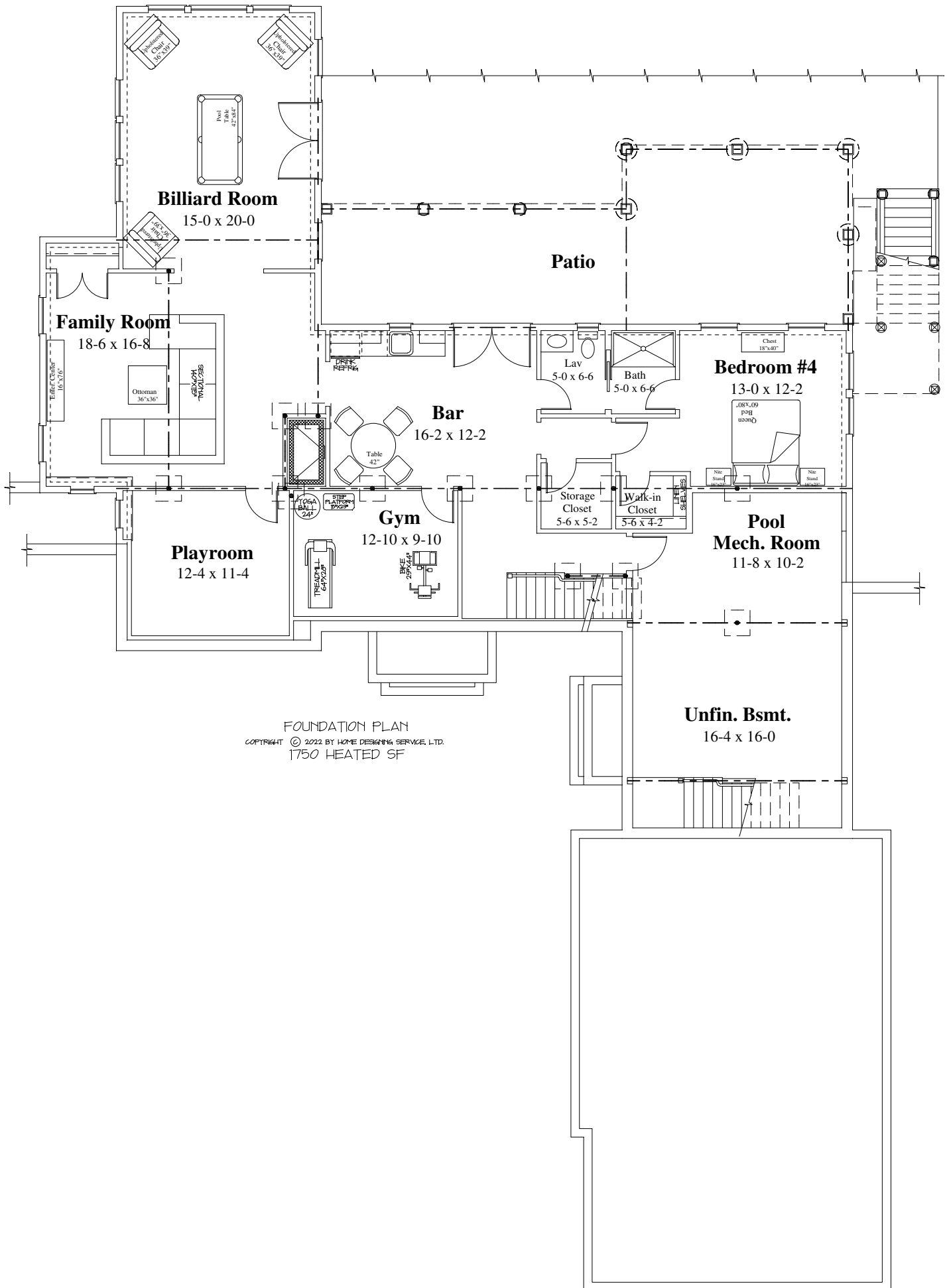
ELEV. 27.5' (EXISTING GRADE @ BILLIARD ROOM)

ELEV. 28.0' (EXISTING GRADE @ BILLIARD ROOM)

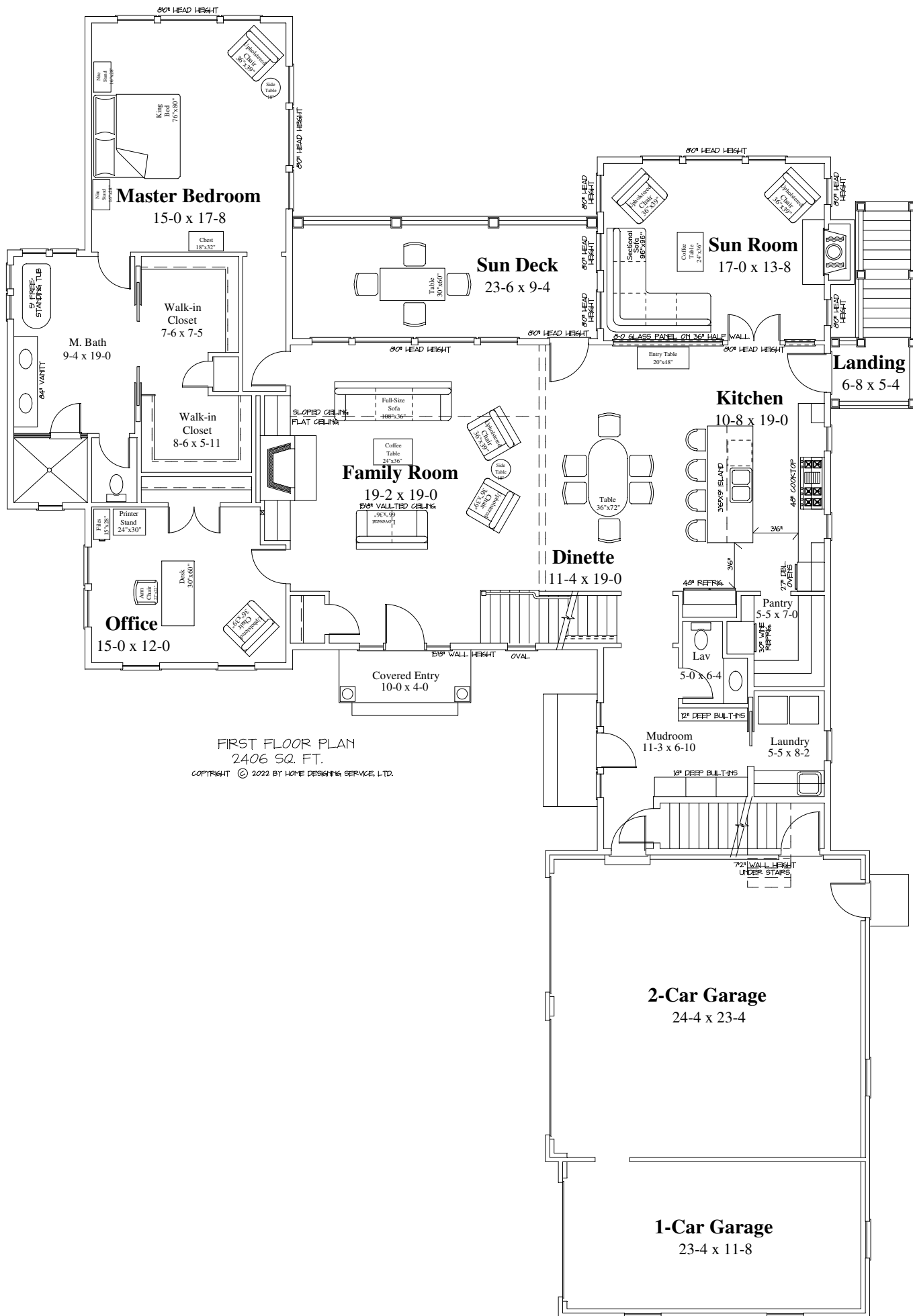
ELEV. 27.0'

REAR ELEVATION
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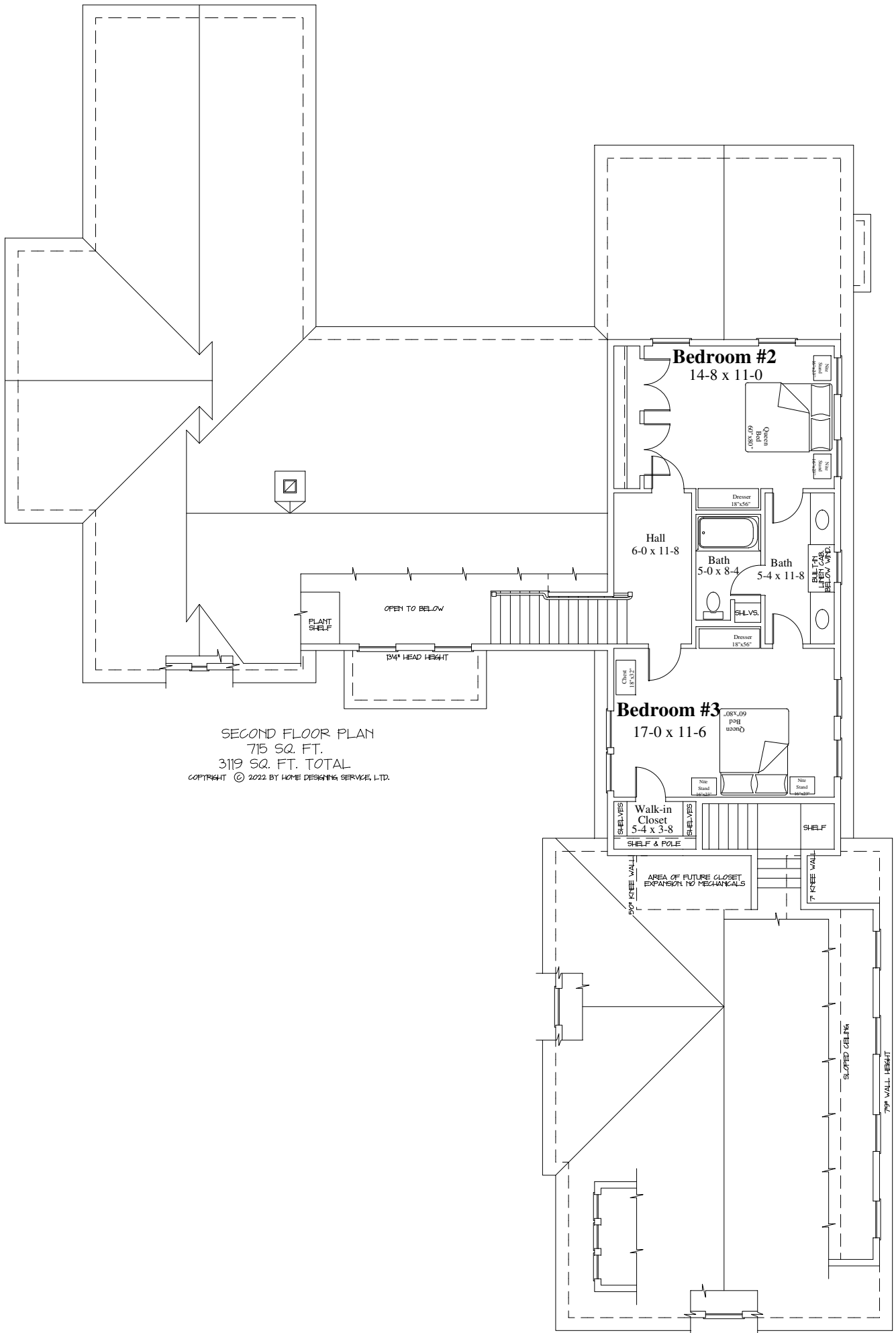




FOUNDATION PLAN
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 1750 HEATED SF



FIRST FLOOR PLAN
 2406 SQ. FT.
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SECOND FLOOR PLAN
 715 SQ. FT.
 3119 SQ. FT. TOTAL
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