Exhibit A1

July 26, 2023

Mr. Neil Leitner Town of Waterbury 28 North Main Street, Suite #1 Waterbury, VT 05676

RE: Frothingham/ Lewis Addition, 122 Appletree Lane Setback Waiver Application

Dear Mr. Leitner:

Please find enclosed a Zoning Permit Application for the construction of an addition to a single-family home and Conditional Use Application for a setback waiver request. Anne Lewis and myself propose to construct an addition to our home at 122 Appletree Lane in Waterbury Center. The proposed addition will contain a new three car garage, master suite, office and mudroom.

The project parcel is in the Route 100 zoning district, where single family residential is an allowed use. The lot is an existing non-conforming lot, it does not have the required minimum frontage of 200', otherwise the lot and existing home conform with the district lot area and setbacks. The existing house is located such that any addition which suits our needs would require a setback waiver. The location of the proposed addition was choosen because it works best with the configuration of the existing house and driveway, minimizes site work, avoids the existing utilities and minimizes the waiver request. Given the orientation of the existing house and driveway, any garage addition needs to be located on the north or south end of the house.

If you have any questions or comments, please do not hesitate to contact me.

Very Truly Yours,

David L. Frothingham III, P.E.

and I tally

Attachments:

Zoning Permit Application Conditional Use Application Fee Check Site Plans Architectural Plans

Exhibit A2

TOWN OF WATERBURY ZONING PERMIT APPLICATION

Date:	Application #:
Fees Paid:	+ \$15 recording fee =
Parcel ID #:	
Tax Map #:	

Please provide all of the information requested in this application.

Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process of this application. Based upon the nature of the project you may need to submit additional information. For instructions on how to fill out this form please refer to the *Zoning Permit Application Instructions & Fee Schedule* available on the municipal website or at the municipal offices. Submit one copy of the completed application and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1018.

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CONTACT INFORMATION						
APPLICANT		PROPERTY OWNER (if different from Applicant) Name: Mailing Address:				
Name:						
Mailing Address:						
Home Phone :		Home Phone :				
Work/Cell Phone:		Work/Cell Phone				
vtdiscrocs@gmail.com Email:		Email:				
PROJECT DESCRIPTION			CHECK ALL THAT APPLY:			
Physical location of project (E911 add	ress):		NEW CONSTRUCTION □ Single-Family Dwelling			
ratai a Marina Dia			□ Two-Family Dwelling			
Lot size: Zoning Dist			□ Multi-Family Dwelling			
Existing Use: Residential Pr	roposed Use:		□ Commercial / Industrial Building			
Brief description of project:			M Residential Building Addition			
		_	□ Comm./ Industrial Building Addition □ Accessory Structure (garage, shed)			
			□ Accessory Apartment			
			□ Porch / Deck / Fence / Pool / Ramp			
Cost of project: \$	Estimated start date:		 Development in SFHA (including repairs and renovation) 			
Water system:	Waste water system:		□ Other			
EXISITING	PROPOSED		USE			
Square footage: Height:	Square footage:	Height:				
Number of bedrooms/baths:	Number of bedroom	s/bath:				
# of parking spaces:	# of parking spaces:		□ Expand existing use□ Establish home occupation			
Setbacks: front:	Setbacks: front:					
sides: <u>56'/88'</u> rear:	sides: 56' / 38'	rear:	□ Subdivision (# of Lots:)			
ADDITIONAL MUNICIPAL □ Curb Cut / Access permit □ E911	PERMITS REQUI	RED:	Boundary Line Adjustment (BLA)Planned Unit Development (PUD)			
· -	e of the above		□ Parking Lot			
[Additional State Po	ermits may also be req	uired]	□ Soil/sand/gravel/mineral extraction □ Other			

SKETCH PLAN

Please include a sketch of your project, drawn to scale, with all required measurements - see Zoning Permit Application Instructions. You may use the space below or attach separate sheets. For plans larger than 11"x17" please provide a digital copy (pdf. file format) in addition to a paper copy.

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SIGNATURES The undersigned hereby applies for a Zoning Permit for the use described in this application to be issued on the basis of the representations made herein all of which the applicant swears to be complete and true.

Par LFreshus	
Applicant Signature	date
Acom	7/15/23
Property Owner Signature	date

CONTACT Zoning Administrator Phone: (802) 244-1018

Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676

Municipal Website: www.waterburyvt.com

Zoning District/Overlay: PT 100 Review type: Administrative PDRB Public Warning Required: Yes No DRB Referral Issued (effective 15-days later): PDRB Mtg Date: Decision Date: Decision Date: Permit issued (effective 16-days later): Final Plat due (for Subdivision only): Pomarks & Conditions:	REVIEW/APPLICATIONS: Conditional Use Waiver Site Plan Variance Subdivision: Subdv. BLA PUD Overlay: DDR SFHA RHS CMP
Remarks & Conditions:	□ Sign □ Other □ n/a
Authorized signature:Date:	

Exhibit A4

TOWN OF WATERBURY CONDITIONAL USE INFORMATION

Date:	Application #:
Fees Paid:	(\$15 recording fee already paid)
Parcel ID #:	
Tax Map #:	

This Conditional Use (and Setback Waiver) information sheet supplements the Zoning Permit application. Please provide all of

the information requested on each form. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process. Submit one copy of the completed forms and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1018.

PROJECT DESCRIPTION
Brief description of project:

CONDITIONAL USE CRITERIA

Please respond to the following; you may answer on a separate sheet and attach additional pages and supporting materials:

- 1. Describe how the proposed use will not have an undue adverse impact on the capacity of existing or planned community facilities to accommodate it (including roads and highways, municipal water or sewer systems, school system, fire protection services):
 - The construction of the proposed addition will not impact the capacity of community facilities. The structure will remain a three bedroom single family home and will not generate additional traffic. The structure is served by on-site water & sewer.
- Describe how the proposed use will not have an undue adverse impact on the character of the area affected as defined by the Municipal Plan and the zoning district in which the proposed project is located:
 The proposed addition does not change the use of the structure, it will remain a single family home within a neighbor consisting entirely of single-family homes.
- 3. Describe how the proposed use will not violate any municipal bylaws and ordinances in effect: With the approval of the setback waiver the project will be in compliance with all municipal bylaws and ordinances.
- 4. Describe any devices or methods to prevent or control fumes, gas, dust, smoke, odor, noise, or vibration:

 The project is not anticipated to generate fumes, gas, dust, smoke, odor, noise or vibration is excess of that generated by normal construction or normal use of a single-family home.
- 5. For removal of earth or mineral products which is not incidental to a construction, landscaping, or agricultural operation, a removal project must meet specific conditions outlined within Section 302 of the Waterbury Zoning Regulations. Are the conditions included within the Application Submittals?

No earthwork that is not incidental to construction is proposed.

CONTACT Zoning Administrator Phone: (802) 244-1018

Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Waterbury, VT 05676

Municipal Website: www.waterburyvt.com



PROJECT DESCRIPTION:

THE PROJECT SCOPE CONSISTS OF THE CONSTRUCTION OF A \sim 1,250 SF (FOOTPRINT) ADDITION TO AN EXISTING SINGLE-FAMILY HOME.

SHEET INDEX

SHEET	NUMBER	TITLE	DATE ISSUED	LATEST REVISION
1	C0.1	COVER SHEET	07/24/2023	//
2	C0.2	NOTES & LEGEND	07/24/2023	//
3	C1.1	SITE PLAN	07/24/2023	//
4	C5.1	DETAILS	07/24/2023	//
5	S1.1	FOUNDATION PLANS	07/24/2023	//
6	S1.2	FOUNDATION DETAILS	07/24/2023	//

ZONING NOTES

ZONING DISTRICT: ROUTE 100

MIN LOT SIZE: 2 AC (RESIDENTIAL) EXISTING LOT SIZE: 2 AC

SETBACKS: 100' FRONT/ 50' SIDE/ 50' REAR PROPOSED SETBACKS: 84' FRONT/ 56' (S), 38' (N) SIDE/ 235' REAR

MIN. LOT FRONTAGE: 200'
EXISTING LOT FRONTAGE: 147'

PRELIMINARY
NOT FOR CONSTRUCTION

SITE PLANS

C0.1

JULY 24, 2023

SHEET 1 OF 6

STONE CHECK DAM

STONE INLET PROTECTION

DECIDUOUS TREES

EVERGREEN TREES

CONCRETE BOUNDARY MONUMENT

IRON ROD/ PIPE BOUNDARY MONUMENT

MAILBOX STONE LINING

EROSION CONTROL MATTING
SNOW STORAGE AREAS

GENERAL NOTES

1 GENERAL:

- 1.1 ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER, AND IN ACCORDANCE WITH STATE CODE (IBC 2012 WITH LATEST SUPPLEMENTS), AND LOCAL CODES AND ORDINANCES.
- 1.2 ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT DIG-SAFE (1-888-DIG-SAFE) AT LEAST 48 HOURS AND LESS THAN 30 DAYS PRIOR TO STARTING CONSTRUCTION AND SHALL VERIES ALL LITTLITY LOCATIONS IN THE FIELD.
- AND SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD.

 1.3 THE LIMITS OF SITE WATER AND SEWER WORK SHALL TERMINATE 2'-0" INSIDE THE BUILDING. THE SITE
- 1.4 GAS AND ELECTRIC LINES SHALL BE EXCAVATED AND BACKFILLED BY THE SITE CONTRACTOR. PIPING SHALL BE PROVIDED AND INSTALLED BY THE APPROPRIATE SUBCONTRACTOR

CONTRACTOR SHALL PROVIDE PIPING. GENERAL CONTRACTOR SHALL PROVIDE SLEEVES AS NECESSARY.

- 1.5 USE THESE CIVIL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, LANDSCAPING & MECHANICAL DRAWINGS. SHOULD A CONFLICT DEVELOP, NOTIFY THE ENGINEER BEFORE
- 1.6 ALL DIMENSIONS AND ELEVATIONS SHOWN MUST BE VERIFIED BY THE CONTRACTOR DURING CONSTRUCTION BY THE AID OF DRAWINGS, FIELD CHECKS, AND SUBCONTRACTORS SHOP DRAWINGS.
- 1.7 CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, AND UTILITY LINES FROM ALL DAMAGE
- 1.8 CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF WALLS AND/OR SHORING OF EXCAVATIONS DURING CONSTRUCTION.
- 1.9 THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS AND SUBMITTALS BEFORE SUBMISSION TO THE ENGINEER; THUS, PROVIDING ANY INFORMATION REQUIRED OF THE FABRICATOR SUCH AS FIELD DIMENSIONS, ELEVATIONS, ETC. OTHERWISE THE SHOP DRAWINGS OR SUBMITTALS WILL BE REJECTED UNTIL SUCH INFORMATION IS FURNISHED BY THE CONTRACTOR.
- 1.10 BACKFILL INSIDE OF FOUNDATION WALLS, UNDER CONCRETE SURFACES, AND UNDER PAVED SURFACES WITH IMPORTED BANK RUN GRAVEL, OR SELECT ON-SITE MATERIAL THAT WILL MEET STRUCTURAL BACKFILL SIEVE ANALYSIS AND COMPACTION CRITERIA, AS DETERMINED BY THE TESTING LABORATORY, IN 8" LIFTS TO 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, ASTM D1557.
- 1.11 GENERAL BACKFILL SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, ASTM D1557.

2 CONCRETE:

- 2.1 ALL CONCRETE AND REINFORCING WORK SHALL BE IN STRICT ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-11)". EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED WITH AIR CONTENT OF 6% ± 1.5%. REINFORCED EXTERIOR SLAB CONCRETE SHALL HAVE A CORROSION INHIBITIVE ADMIXTURE. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SUBMIT CONCRETE MIX DESIGN FOLLOWING PROCEDURES OUTLINED IN THE FLOW CHART IN CHAPTER 5 OF ACI 318 FOR REVIEW OF ENGINEER. CONTRACTOR SHALL TAKE 4 TEST CYLINDERS OF CONCRETE FOR EACH 50 CUBIC YARDS OF CONCRETE OR FOR EACH DAYS POUR IF LESS THAN 50 C.Y. TESTING WILL BE AT OWNER'S EXPENSE.
- 2.2 MAXIMUM W/C RATIO FOR 4000 PSI CONCRETE: 0.44
- 2.3 CONCRETE SHALL BE PROTECTED FROM FREEZING. CONTRACTOR SHALL FOLLOW THE "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING (ACI 306, LATEST EDITION).
- 2.4 ALL CONCRETE SHALL BE PLACED IN THE DRY. PUMP WATER FROM EXCAVATIONS AS NECESSARY
- 2.5 CONCRETE SHALL BE SO PROPORTIONED SO AS TO HAVE A MAXIMUM SLUMP OF 4".
- 2.6 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE SETTING SCREEDS AND FORMS. FORM RELEASE OIL SHALL BE AN APPROVED NON-TOXIC LIQUID.
- 2.7 SLABS SHALL BE WET CURED USING BURLAP COVER TO KEEP ENTIRE SURFACE CONTINUOUSLY MOIST FOR A MINIMUM OF SEVEN DAYS.
- 2.8 DURING PLACEMENT OF CONCRETE, USE TREMIE OR OTHER MEANS TO LIMIT FREE-FALL OF CONCRETE TO 5 FEET.
- 2.9 CONCRETE SHALL BE CONSOLIDATED BY VIBRATION, SPADING, OR RODDING SO THE CONCRETE IS THOROUGHLY WORKED AROUND THE REINFORCEMENT, EMBEDDED ITEMS, AND INTO CORNERS OF FORMS, ELIMINATING ALL AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING. (CARE SHALL BE TAKEN NOT TO OVER VIBRATE AND CAUSE SEGREGATION).

3 REINFORCING STEEL:

- 3.1 REINFORCING STEEL SHALL BE NEW BILLET STEEL, ASTM A615, Fy=60 KSI.
- 3.2 THE MINIMUM CLEAR DISTANCE FROM REINF. STEEL TO ADJACENT SURFACE SHALL BE: 3" FROM BOTTOM OF SLAB ON GRADE AND 2" FROM EDGES OF SLAB ON GRADE.
- 3.3 PROVIDE LAP SPLICES OF ALL SLAB REINFORCEMENT AS FOLLOWS: #5 BAR 2'-4" MINIMUM, #7 BAR 3'-8" MINIMUM. AT CHANGES IN DIRECTION OF SLAB, PROVIDE CORNER BARS WITH LEGS EQUAL TO BAR LAP SPLICE LENGTH (MINIMUM).
- 3.4 REINFORCEMENT SHALL BE SECURELY TIED IN ITS PROPER PLACE BEFORE AND DURING CONCRETE PLACEMENT OPERATIONS USING APPROVED TIES, CHAIRS, AND SPACERS AS REQUIRED. NO BARS SHALL BE CUT OR OMITTED IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER. USE PLASTIC TIPPED ACCESSORIES IN CONCRETE EXPOSED TO WEATHER, WATER, OR VIEW.

4 PRECAST CONCRETE:

NOT USED

5 MATERIAL SPECIFICATIONS:

- 5.1 MATERIALS NOT SPECIFIED HEREIN SHALL MEET OR EXCEED VERMONT AGENCY OF TRANSPORTATION (VAOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 5.2 GENERAL FILL SHALL BE A COMPACTABLE SAND OR GRAVEL REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 0-20 PERCENT PASSING THE NO. 100 SIEVE AND 40-100 PERCENT PASSING THE NO. 4 SIEVE.
- 5.3 BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 3 INCH SIEVE, 20-75 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.
- 5.4 CRUSHED BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 2 INCH SIEVE, 90-100 PERCENT PASSING A 1½ INCH SIEVE 30-60 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.

6 PROJECT PERMITS:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF AND ABIDE BY THE CONDITIONS OF THE

- 6.1 LOCAL APPROVALS
- 6.4 VERMONT DRINKING WATER AND GROUNDWATER PROTECTION DIVISION WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

EROSION CONTROL DURING CONSTRUCTION

SEE TYPICAL DETAILS AND PLANS FOR TYPES AND LOCATIONS.

- 1. BEFORE ANY CLEARING, GRUBBING, OR DEMOLITION OF THE SITE IS INITIATED, AND DURING ALL EARTHWORK PHASES, EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED AT THE INLET OF ANY STORM DRAINS, SWALES, AND DITCHES RECEIVING WATER FROM THE PROJECT.
- 2. SILT FENCE SHALL BE PLACED DOWN GRADIENT OF ALL DISTURBED AREAS. IF THE DISTURBED AREA IS 100' OR LESS FROM THE WATERS OF THE STATE THE SILT FENCE SHALL BE WIRE MESH
- 3. ALL STOCKPILED SOIL SHALL BE ENCIRCLED WITH SILT FENCE, UNLESS AN EXISTING BARRIER WILL ENTRAP ALL EROSION FROM SUCH A STOCKPILE OR THE STOCKPILE IS COMPLETELY COVERED WITH VEGETATION THAT PREVENTS EROSION.
- 4. NO MORE THAN 500 FEET OF TRENCH SHALL BE OPEN AT ONE TIME AND EXCAVATED MATERIAL TO BE USED FOR BACKFILL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH. ALL OTHER EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED LOCATION.
- 5. BEFORE AND AFTER EVERY STORM ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSPECTED FOR FAILURES OR CLOGGING, AND ANY FAILURE OR CLOGGING SHALL BE RECTIFIED. DURING THE WINTER CONSTRUCTION SEASON SPECIAL ATTENTION SHALL BE PAID TO THE CHANGES

IN WEATHER THAT COULD CAUSE SIGNIFICANT SNOW MELT AND RUNOFF

- 6. STONE CHECK DAMS SHALL BE PLACED IN NEWLY CONSTRUCTED SWALES, DITCHES, OR OTHER WATERWAYS DURING THE CONSTRUCTION PERIOD. STONE INLET PROTECTION OR SEDIMENT CATCH BASIN INSERTS SHALL BE PLACED IN ALL NEW AND EXISTING CATCH BASIN WHICH RECEIVED RUNOFF FROM DISTURBED AREAS. THE PLACING OF THESE TRAPS AND DAMS SHALL BE AS SHOWN ON THE PLANS. MAINTENANCE SHALL BE AS IN #5 ABOVE.
- 7. EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM NUMBER REQUIRED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE ADDITIONAL BARRIERS AS FIELD CONDITIONS DICTATE AND TO INSURE THAT ANY EROSION CREATED BY THIS PROJECT DOES NOT REACH THE STATE'S WATERWAYS OR LEAVE THE SITE.
- 8. NEW SWALES AND DITCHES (AND ANY OTHER AREA SUBJECT TO CONCENTRATED STORM RUNOFF) SHALL BE FERTILIZED AND SEEDED WITH THE FOLLOWING MIXTURE TO AT LEAST TWO (2) FEET ABOVE THE CHANNEL BOTTOM:

SE	ED	LBS/ACRE		CREEPING RED
FESCUE	20	RED'	TOP	2
	SMOOTH B	ROMEGRASS	20	

- AND SHALL HAVE MULCH APPLIED AT THE RATE OF 2 TONS PER ACRE.
- 9. IN ALL NEW SWALES AND DITCHES, AND WHERE SLOPE GRADE EXCEEDS 25 PERCENT (1 ON 4 SLOPE), JUTE MATTING SECURELY ATTACHED TO THE GROUND SHALL BE PLACED OVER MULCH AND MAINTAINED UNTIL A PERMANENT GRASS COVER IS ESTABLISHED.
- 10. ALL DISTURBED TERRAIN AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 48 HOURS OF COMPLETION, AND BY SEPTEMBER 15TH AT THE LATEST. BEFORE APPLYING FINAL SEEDING FOUR (4) INCH AVERAGE DEPTH OF TOPSOIL SHALL BE PLACED IN ALL DISTURBED AREAS TO BE SEEDED. FERTILIZER SHALL BE APPLIED TO THE TOP 2-INCHES OF TOPSOIL AT A RATE OF 500 LBS/ACRE. SEED MIXTURES SHALL BE ONE AS SPECIFIED ON LANDSCAPING PLAN. IF NO SEED MIXTURE IS SPECIFIED IT SHALL BE ONE OF THE FOLLOWING, AS APPROPRIATE.

EMBANKMENT/SLOPING GROUND LBS/ACRE MIXTURE#1 CREEPING RED FESCUE REDTOP BIRDSFOOT TREFOIL OR CROWNVETCH	20 2 8 15
MIXTURE#2 TALL FESCUE REDTOP FLAT PEA (LATHCO)	10 2 30
MIXTURE#3 CREEPING RED FESCUE FLAT PEA (LATHCO)	15 30
FLAT/LEVEL GROUND LBS/ACRE MIXTURE#1 KENTUCKY BLUE GRASS CREEPING RED FESCUE RYE (PERENNIAL), OR REDTOP	20
MIXTURE#2 CREEPING RED FESCUE REDTOP TALL FESCUE	20

- 11. ALL NEWLY SEEDED AREAS SHALL BE MULCHED AT A RATE OF TWO (2) TONS PER ACRE OF HAY OR STRAW. DURING WINTER CONSTRUCTION MULCH SHALL BE APPLIED AT A RATE OF 4 TONS PER ACRE. JUTE OR OTHER EQUAL NETTING SHALL BE USED WHERE WIND OR WATER MAY ERODE NEWLY-PLACED SEED OR MULCH OR WHERE GRADE EXCEEDS 25% (1:4). ALL NETTING, WHERE USED, SHALL BE STAKED TO THE GROUND IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 12. ALL AREAS THAT REACH FINISHED GRADE DURING THE WINTER CONSTRUCTION SEASON SHALL BE MULCHED AT A RATE
 OF 4 TONS/ACRE AND TACKED DOWN TO PREVENT WINDTHROW WITHIN 24 HOURS OF REACHING FINAL GRADE. THESE
 AREAS SHALL BE SEEDED AS SPECIFIED IN NOTE 9 IN THE SPRING AS SOON AS WEATHER ALLOWS.
- 13. ALL HAY MULCH SHALL BE TACKED DOWN TO PREVENT WINDTHROW. JUTE MATTING OR EQUIVALENT SHALL BE USED WHERE INDICATED ON PLANS. IN ALL OTHER AREAS MULCHED SHALL BE TRACKED WITH A BULLDOZER. THE CLEATS OF THE BULLDOZER SHALL BE PARALLEL TO THE CONTOURS. DURING THE WINTER CONSTRUCTION SEASON NETTING OR JUTE MATTING SHALL BE USED TO TACK DOWN ALL MULCH.
- 14. ALL DISTURBED AREAS NOT AT FINAL GRADE THAT WILL NOT BE DISTURBED AGAIN FOR A PERIOD OF GREATER THAN THIRTY (30) DAYS, SHALL BE SEEDED WITH A TEMPORARY, RAPID—GROWING COVER CROP, SUCH AS RYE GRASS AND MILLET, AND SHALL BE MULCHED. NETTING SHALL ALSO BE APPLIED, AS SPECIFIED IN ITEM 13, TO STABILIZE THE MULCH AND SEED.
- 15. ALL DISTURBED AREAS MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY: i) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA IN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS. ii) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF—CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2—FEET OR GREATER (E.G. FOUNDATION EXCAVATION, UTILITY TRENCHES)
- 16. DURING WINTER CONSTRUCTION ALL DISTURBED AREAS MUST HAVE TEMPORARY OR FINAL STABILIZATION AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY: i) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA IN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS. ii) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2-FEET OR GREATER (E.G. FOUNDATION EXCAVATION, UTILITY TRENCHES)
- 17. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF PERMANENT STABILIZATION OF THE SITE.
- 18. EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER ANY RAIN EVENT WHICH PRODUCES RUNOFF BY THE ON-SITE COORDINATOR, WHO WILL BE RESPONSIBLE FOR RECTIFYING ANY PROBLEMS FOUND. ALL INSPECTION FORMS SHALL BE KEPT ON-SITE AS RECORDS OF THE CONDITION OF THE EROSION CONTROL MEASURES. TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVE WITH 30 DAYS OF PERMANENT SITE STABILIZATION.
- 19. NO MORE THAN 3 ACRES SHALL BE DISTURBED (WITHOUT TEMPORARY OR FINAL STABILIZATION) AT ANY ONE TIME
- 20. SEEDING MUST BE COMPLETED BY SEPTEMBER 15.
- 21. CONTRACTOR SHALL APPLY DUST CONTROL MEASURES AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO PREVENT THE AIR MOVEMENT OF DUST. ACCEPTABLE METHODS OF DUST CONTROL ARE VEGETATIVE COVER, MULCHING, SPRINKLING OF WATER, OR THE USE OF CALCIUM CHLORIDE.
- 22. AT THE COMPLETION OF THE PROJECT, ALL STORMWATER DRAINAGE FACILITIES INCLUDING DITCHES, GRASSED SWALES, CATCH BASINS, SUMPS, CULVERTS, STORM DRAINS, STORM MANHOLES, OUTLET STRUCTURES, STORM FILTERS, ETC SHALL BE CLEANED AND FREE OF SILT, SEDIMENT OR DEBRIS WHICH MIGHT IMPAIR THE PROPER OPERATION OF THE FACILITIES.

LANDSCAPING NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS
- 2. LANDSCAPING CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FOOT.
- 3. ALL TREES OF THE SAME SPECIES AND SIZE SHALL HAVE MATCHING HEIGHT AND FORM UNLESS
- 4. ALL PLANT MATERIALS AND FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION
- 5. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR IMMEDIATE RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER'S REPRESENTATIVE WILL RESULT IN CONTRACTORS LIABILITY TO RELOCATE THE MATERIALS.
- 6. CONTRACTOR SHALL FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. PRE-SELECTED OR "TAGGED" MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED AS PEST AND DISEASE FREE. IT IS THE CONTRACTORS OBLIGATION TO WARRANTY ALL PLANT MATERIALS.
- 7. ALL GROUND COVERS SHALL BE TRIANGULARLY SPACED UNLESS OTHERWISE NOTED.

DECIDUOUS TREES; AND C) 2-FOOT RADIUS AROUND LARGE SHRUBS.

- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS DAMAGED DURING PLANTING OPERATIONS
- 9. ALL LANDSCAPE AREAS SHALL BE COVERED WITH 2-INCHES OF ORGANIC BARK MULCH UNLESS
- 10. AREAS SHOWN AS GROUND COVER AT THE BASE OF TREE AND SHRUB MATERIALS MUST CONFORM TO THE FOLLOWING CRITERIA. THERE SHALL BE NO GROUND COVER PLANT MATERIAL AT THE BASE OF THE TREE OR SHRUB AS FOLLOWS: A) 4-FOOT RADIUS AROUND EVERGREEN TREES; B) 3-FOOT RADIUS AROUND
- 11. FINAL PLACEMENT OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE PRIOR TO FINAL PLACEMENT AND BACKFILL. CONTACT OWNER'S REPRESENTATIVE 24-HOURS PRIOR TO PLACEMENT FOR APPROVAL.
- 12. ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, TO BE LOAM, SEEDED, AND MULCHED.

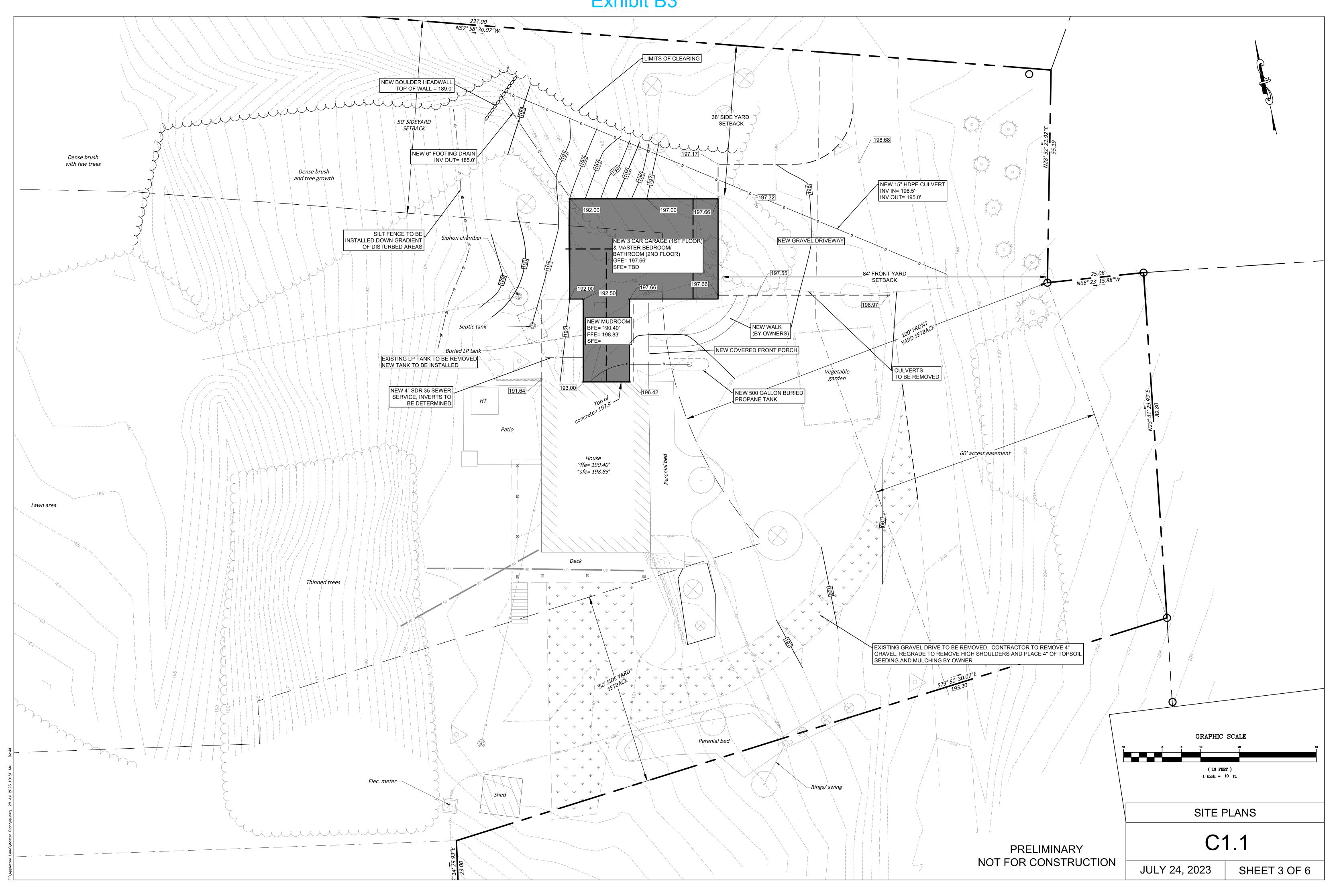
PRELIMINARY NOT FOR CONSTRUCTION

LEGEND AND NOTES

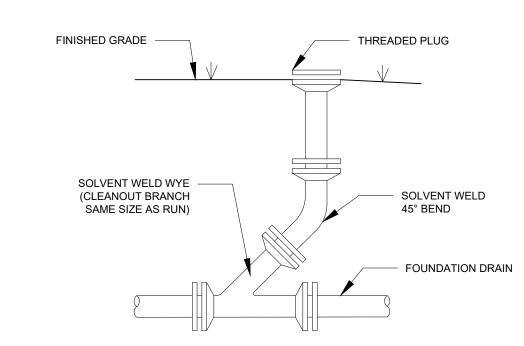
C0.2

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Exhibit B3



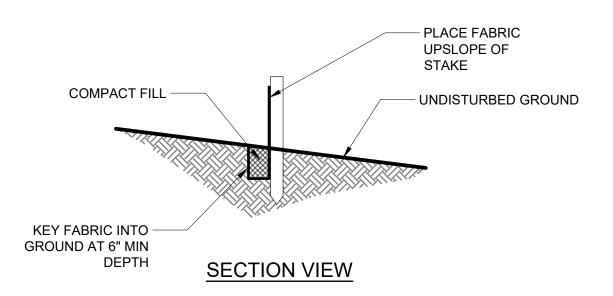


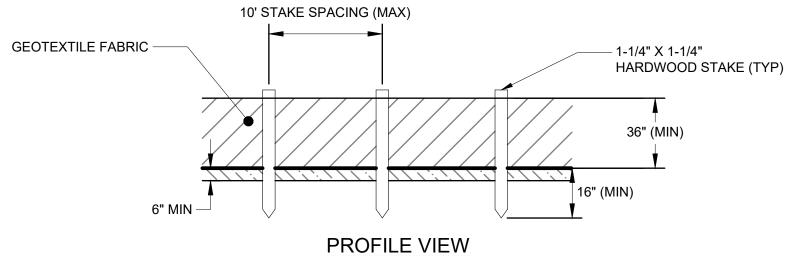


NOTES:

1. IN LAWN AREAS THREADED PLUG SHALL BE SET FLUSH WITH GRADE.
2. IN PAVED AREAS A CAST IRON CLEAN OUT COVER MARKED "DRAIN" OR "CLEANOUT" SHALL BE PROVIDED AND SET FLUSH WITH THE TOP OF PAVEMENT OR CONCRETE. TOP NUT OF THREAD PLUG SHALL NOT BE MORE THAN 3 INCHES BELOW CAST IRON COVER.

CLEAN OUT DETAIL
NOT TO SCALE





NOTES:

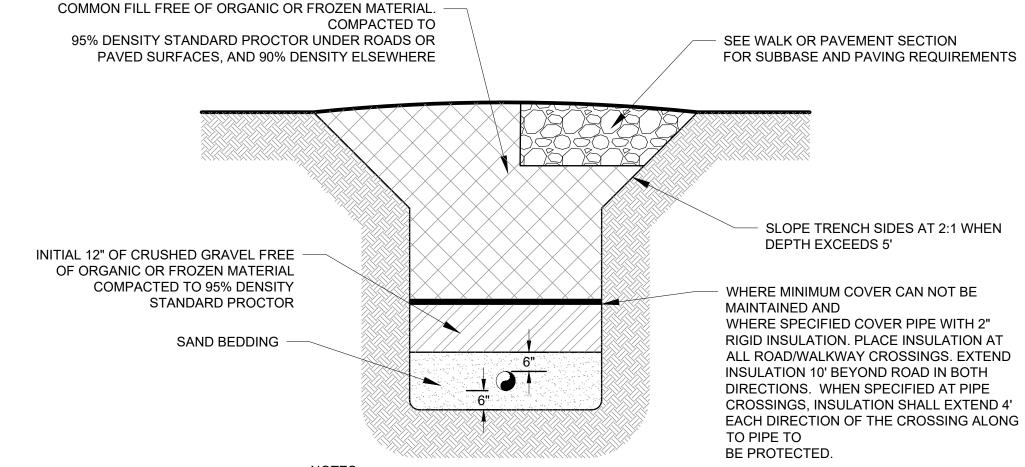
- 1. DUE TO UV STABILITY OF FABRIC, SILT FENCE MAY NOT BE USED FOR A PERIOD LONGER THAN ONE (1) YEAR.
- SILT FENCE NOT TO BE USED IN AREAS OF CONCENTRATED FLOW (E.G. SWALES/DITCHES)
 WIRE FENCE SUPPORT (14 GAGE W/6" MESH OPENING MIN) IS REQUIRED FOR INSTALLATIONS WITHIN 100 FEET
- OF STREAMS, RIVERS, OR OTHER WATERS OF THE STATE.

 4. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP
- AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- 5. ENDS OF FILTER CLOTH SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
- 6. APPROVED PREFABRICATED FENCING INCLUDES ENVIROFENCE, GEOFAB, MIRAFI 100X. OTHERS MAY BE
- SUITABLE BUT SUBJECT TO ENGINEER'S APPROVAL.

 7. INSPECT FENCE REGULARLY FOR DAMAGE DUE TO ANIMALS, EQUIPMENT, AND WIND
- 8. REMOVE ACCUMULATED SEDIMENT WHEN LEVEL REACHES 1/2 THE HEIGHT OF FENCE

SILT FENCE DETAIL

NOT TO SCALE



NOTES:

1) WATER MAINS AND SERVICES SHALL BE BURIED A MINIMUM OF 6 FEET

BELOW GRADE TO TOP OF PIPE.

BELOW GRADE TO TOP OF PIPE.

2) SEWER MAINS AND SERVICES SHALL BE BURIED A MINIMUM OF 5 FEET

TYPICAL UTILITY PIPE TRENCH DETAIL

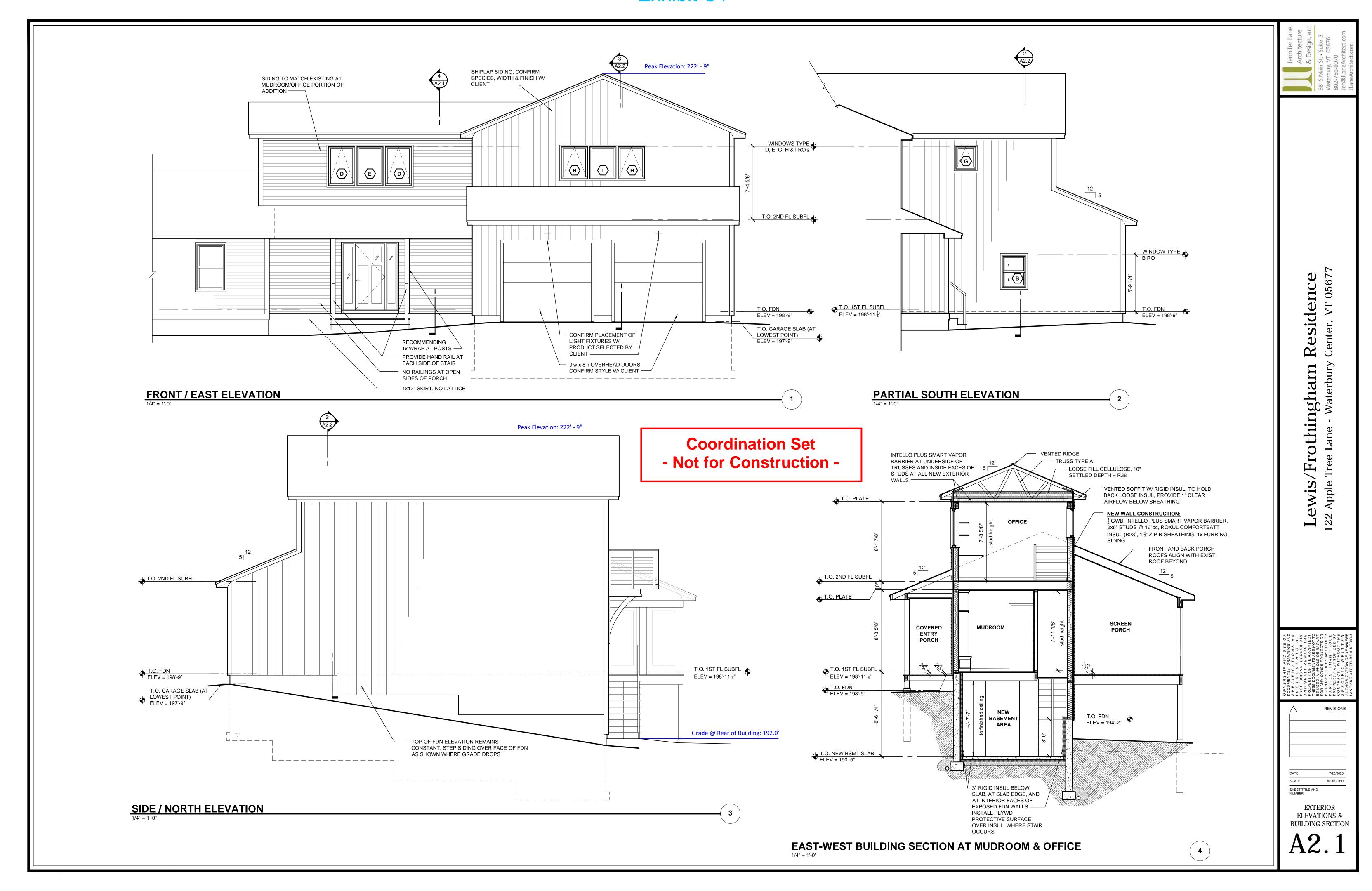
NOT TO SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

SITE DETAILS

C5.1

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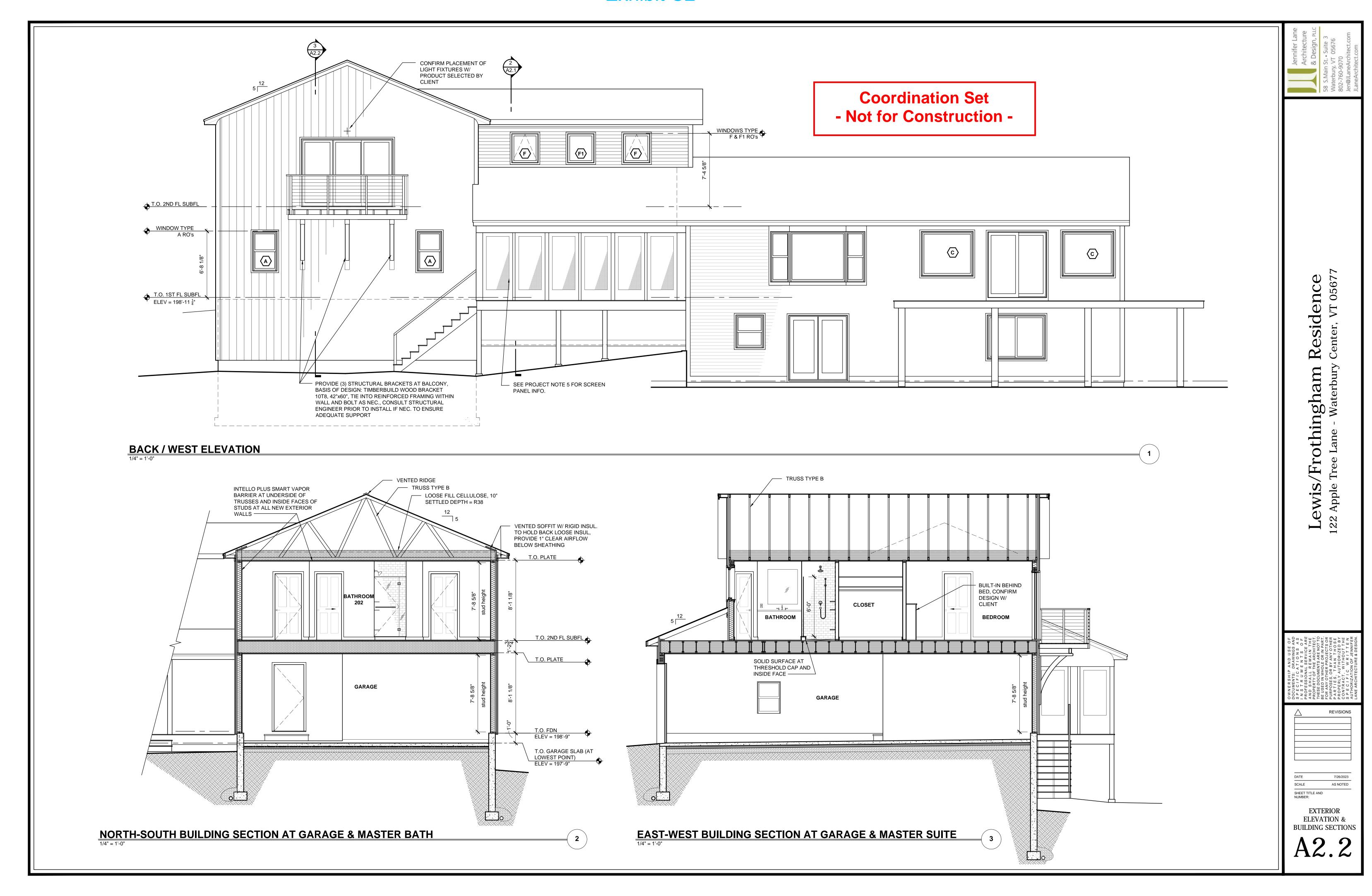


Exhibit D

