

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

43 BUTTS HOLLOW ROAD, DOVER PLAINS, NY TAX MAP# 6964-00059898

AREA VARIANCE APPLICATION SET OF DRAWINGS

10/17/2022

SCOPE OF WORK AND AREA TAKE-OFFS:

RENOVATION AND EXPANSION OF AN EXISTING SINGLE FAMILY HOUSE, CONVERT FROM 3-BEDROOM TO 4-BEDROOM. SEPTIC TO BE UPGRADED. AREA OF EXISTING HOUSE TO BE RENOVATED OR REBUILT - 2,775 SF AREA TO BE ADDED TO EXISTING HOUSE - 1,047 SF TOTAL ENLARGED HOUSE AREA - 3,822 SF ALL EXISTING WINDOWS TO BE REPLACED. EXISTING THERMAL INSULATION TO BE REPLACED AND UPGRADED. NEW HVAC.

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ARCHITECTURAL

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A-301	CROSS SECTIONS

SEPTIC SYSTEM DESIGN (DOH APPROVED)

SDS-1 SDS PLAN AND NOTES

DETAILS

S-3 SDS DETAILS AND NOTES

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	10/17/2022	Zoning Variance Application	
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No.	Date	Description	

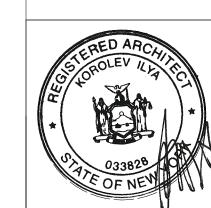
OWNER / PROJECT INFORMATION:

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

43 Butts Hollow Road, Dover Plains, NY

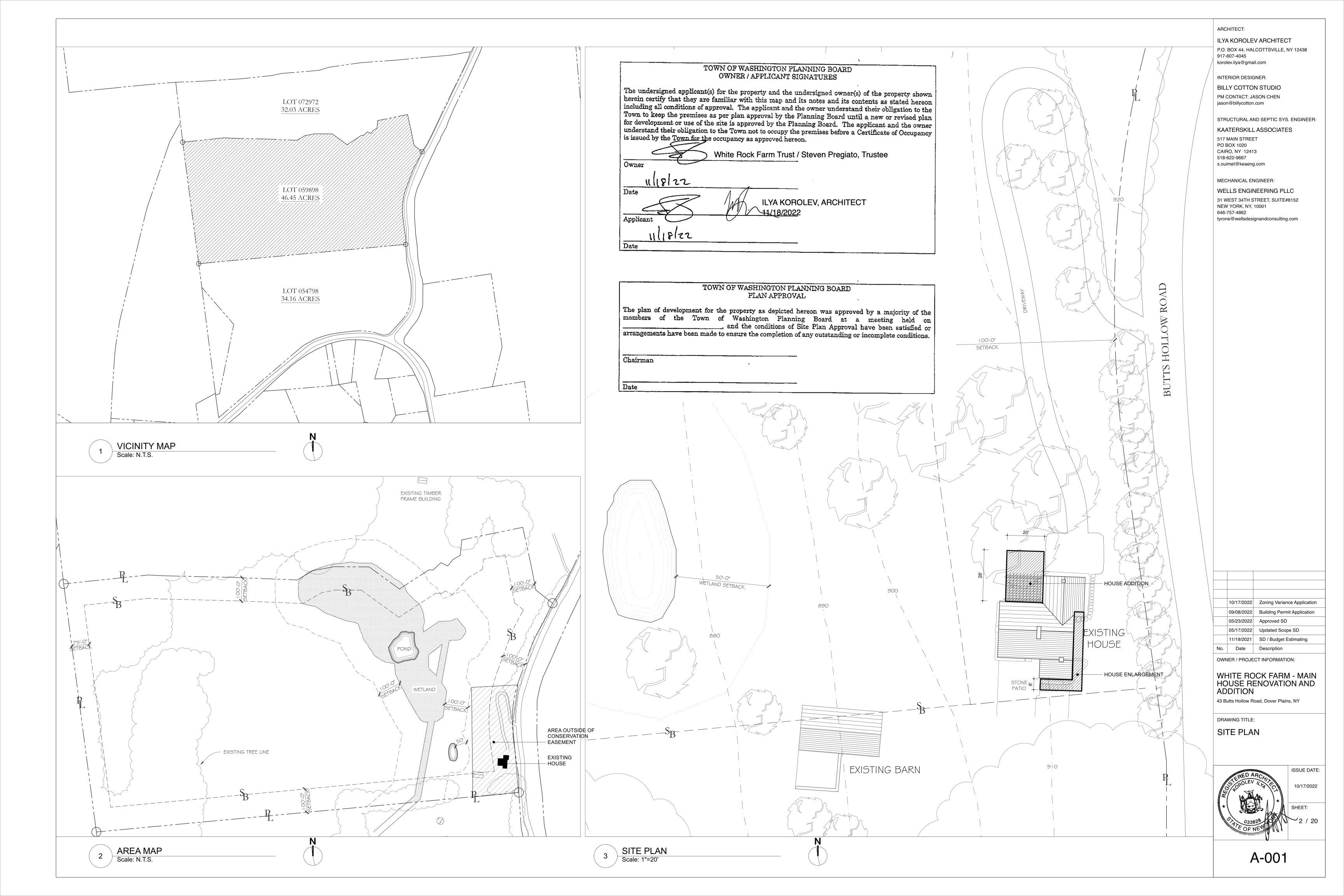
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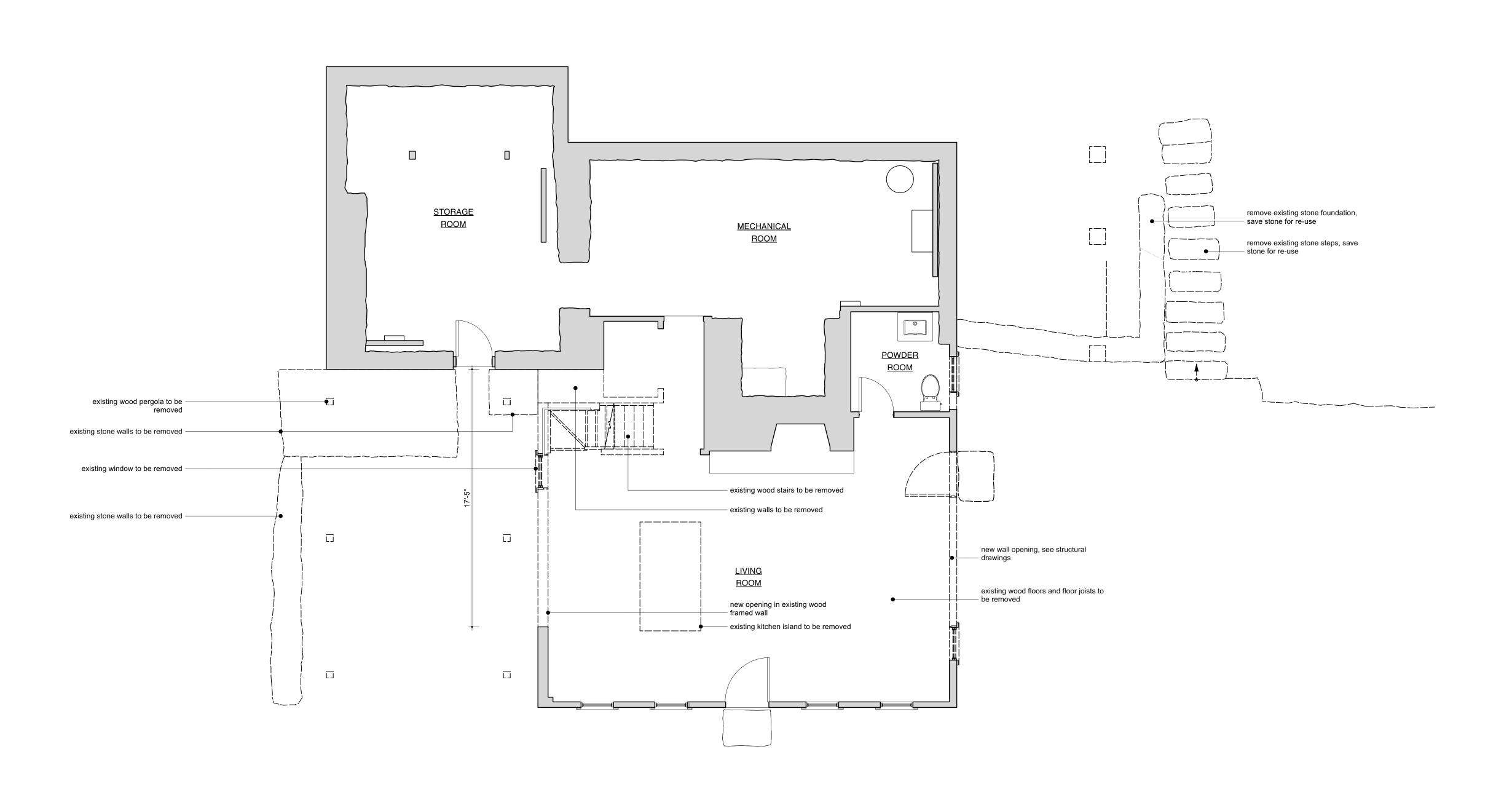
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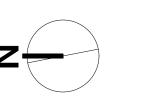
A-000

ISSUE DATE:





1 DEMOLITION PLAN - LOWER LEVEL
Scale: 1/4" = 1'-0"



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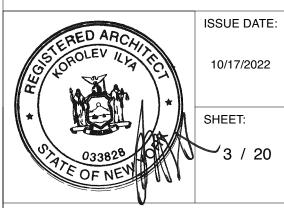
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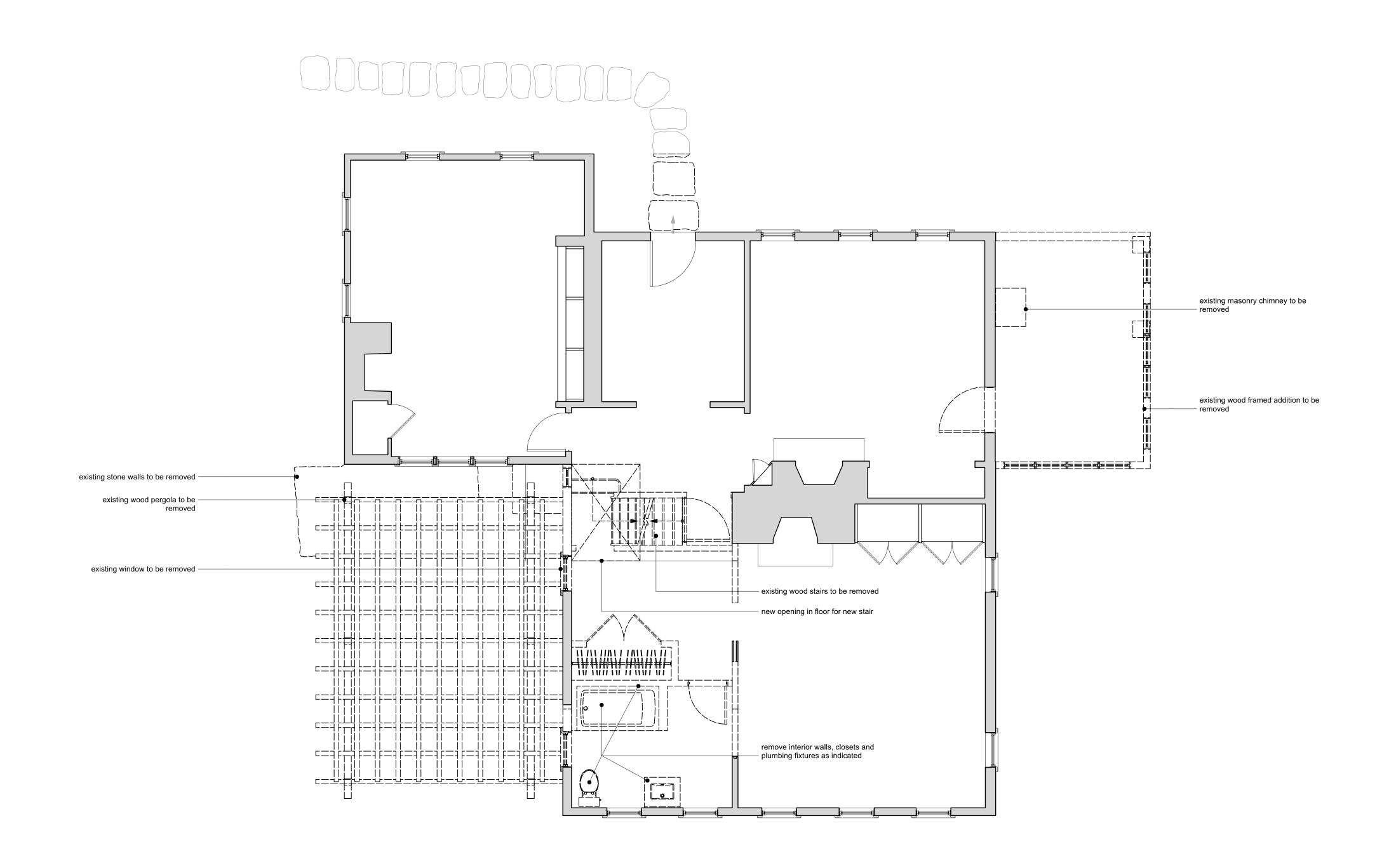
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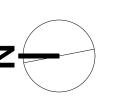
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DEMOLITION PLAN -LOWER LEVEL





1 DEMOLITION PLAN - FIRST FLOOR
Scale: 1/4" = 1'-0"



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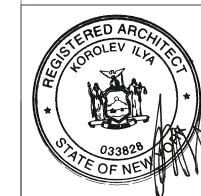
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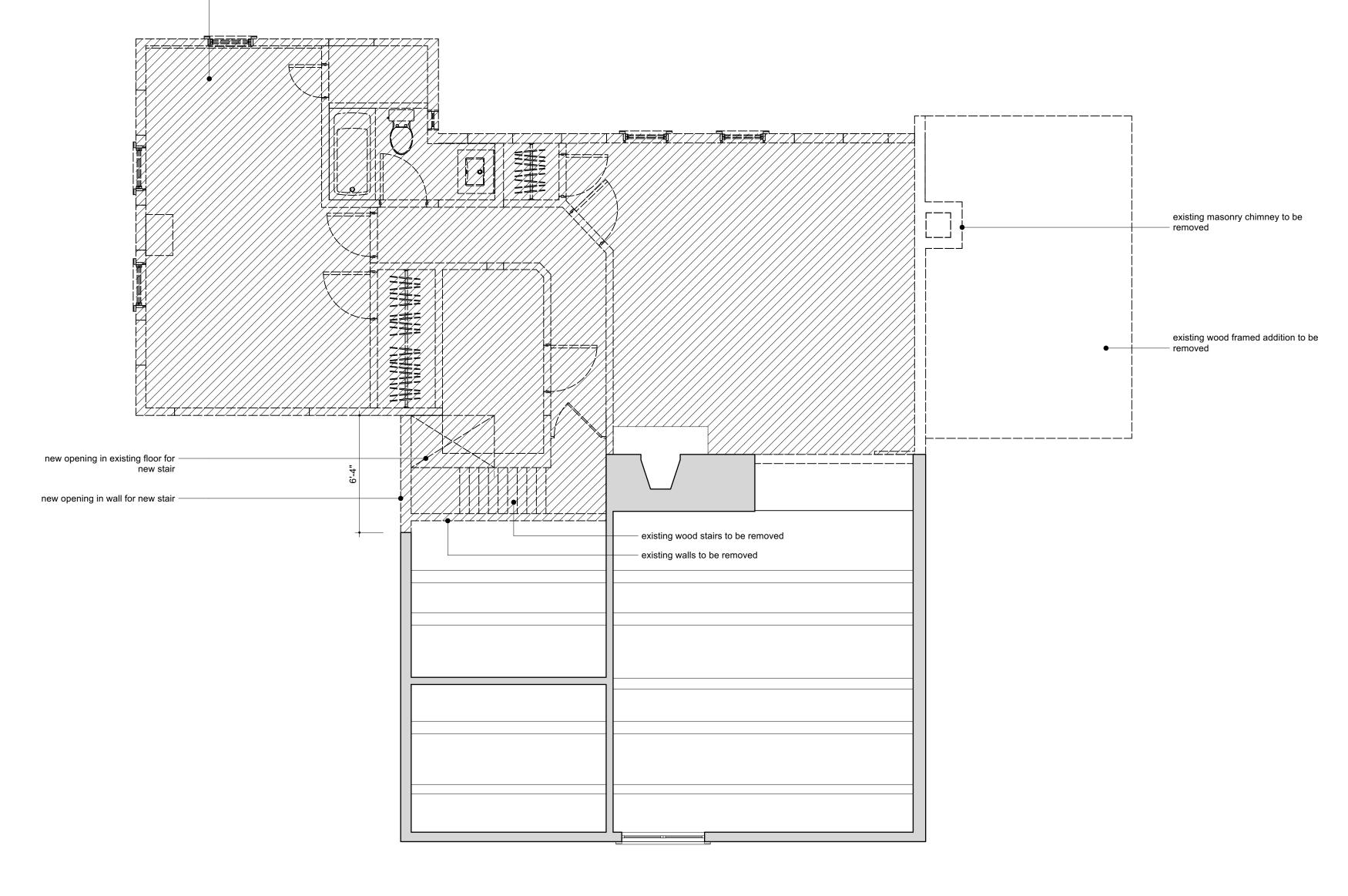
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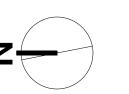
DEMOLITION PLAN -FIRST FLOOR



remove all walls, remove buildt-up — floors down to original structure / ceiling of first floor



DEMOLITION PLAN - SECOND FLOOR
Scale: 1/4" = 1'-0"



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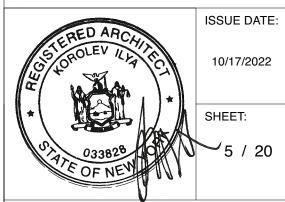
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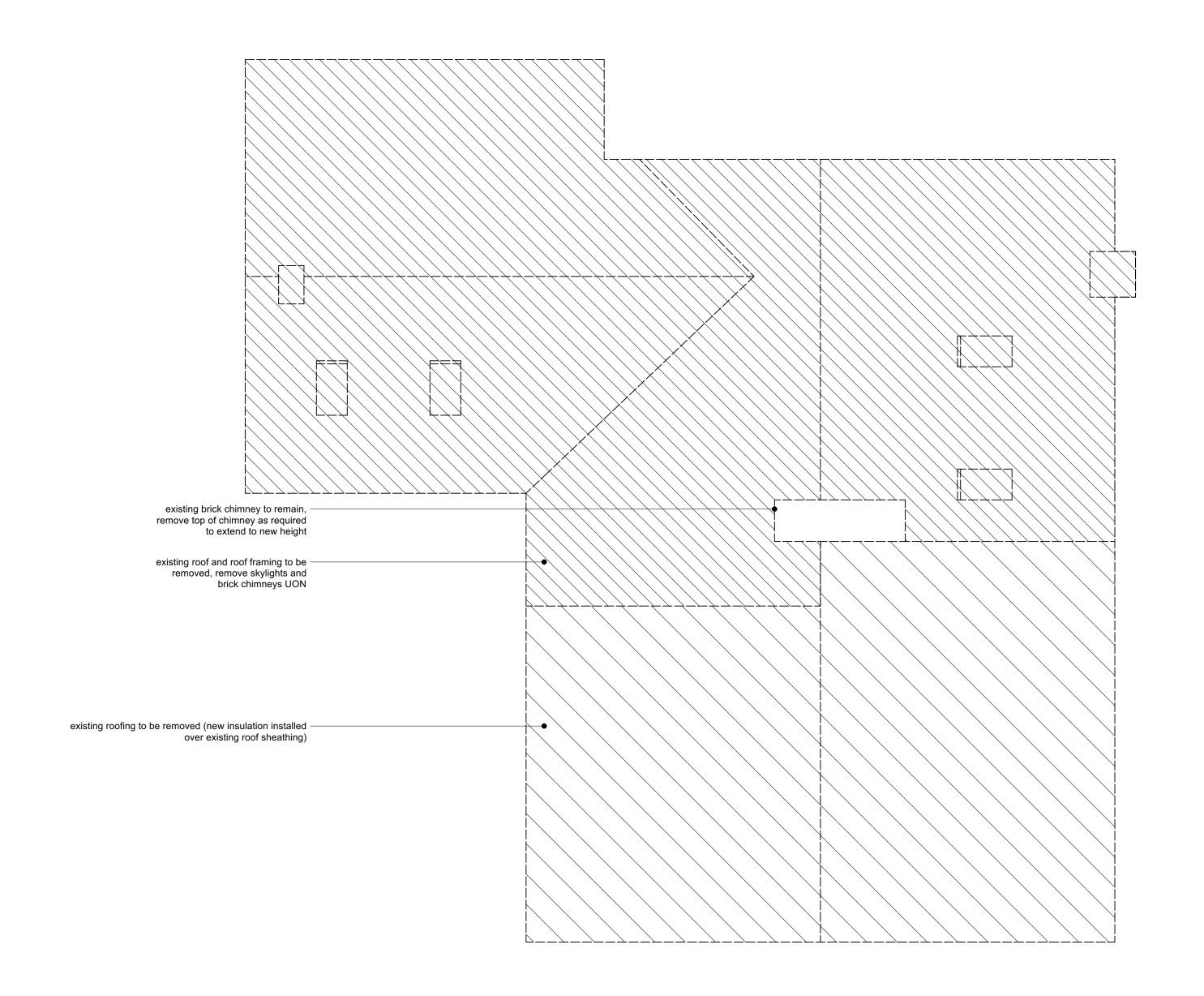
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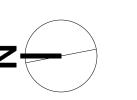
DEMOLITION PLAN -SECOND FLOOR



DM-102



DEMOLITION PLAN - ROOF
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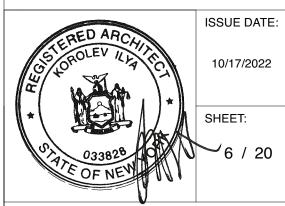
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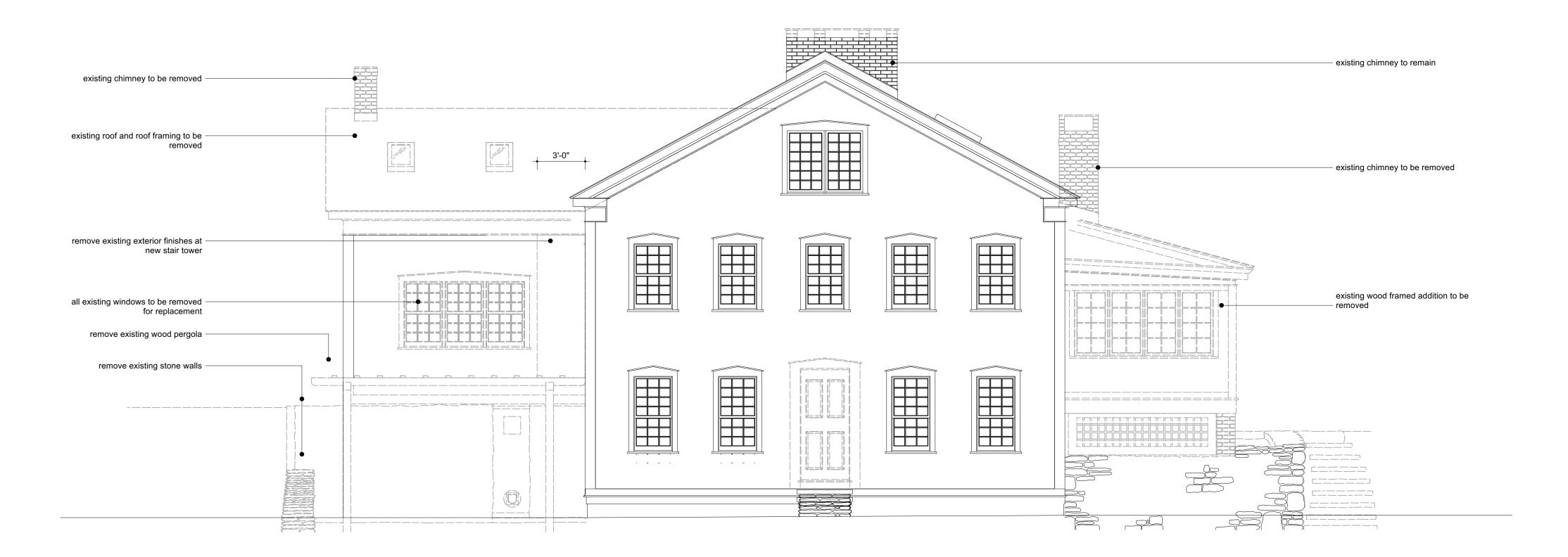
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DRAWING TITLE:

DEMOLITION PLAN -ROOF



DM-103



DEMOLITION EXTERIOR ELEVATION - WEST
Scale: 1/4" = 1'-0"

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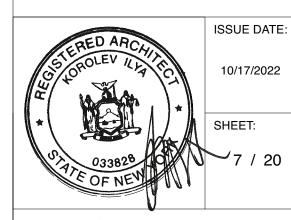
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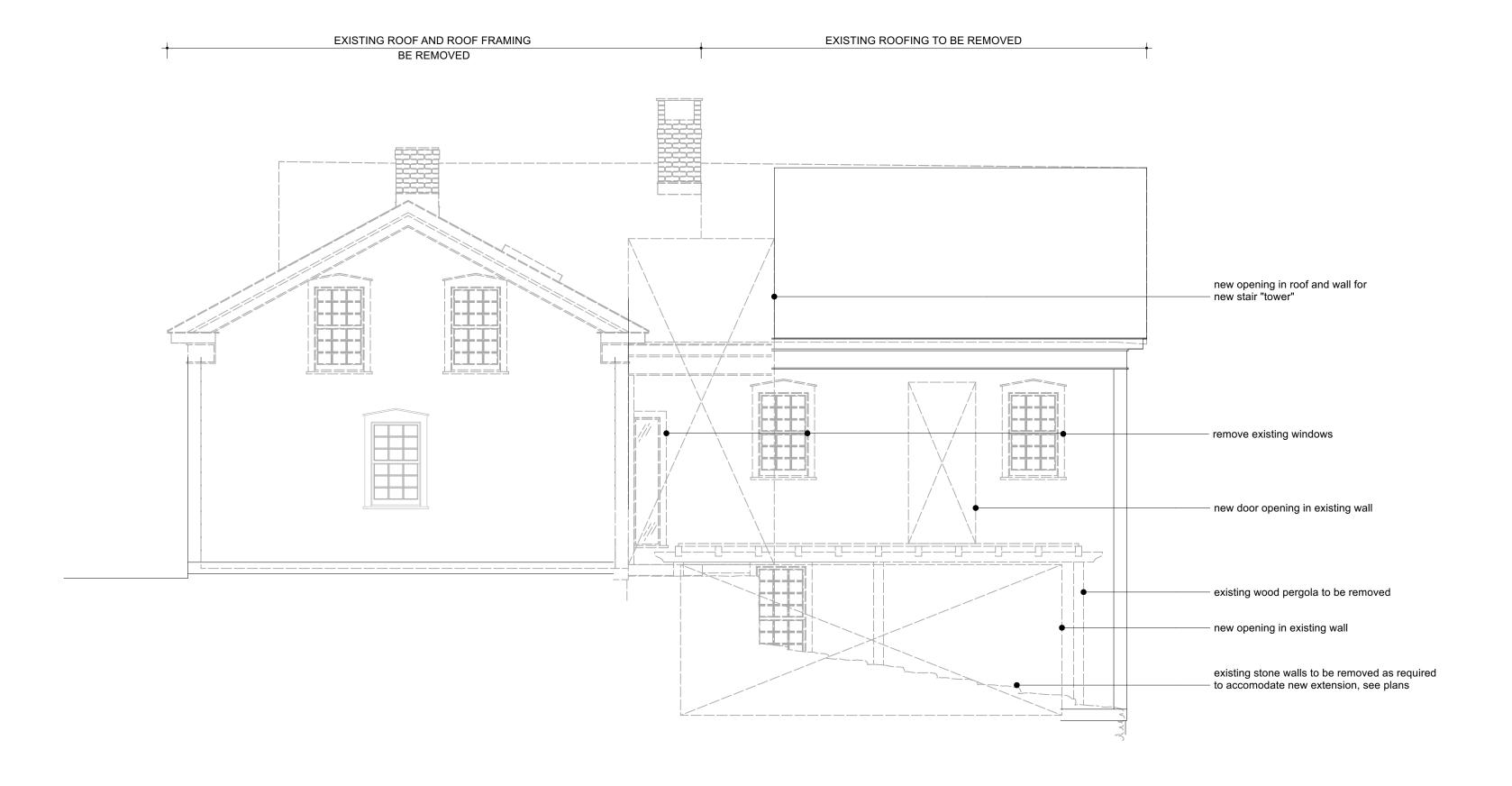
WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

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DRAWING TITLE: DEMOLITION EXTERIOR ELEVATION - WEST



DM-200



1 DEMOLITION EXTERIOR ELEVATION - NORTH
Scale: 1/4" = 1'-0"

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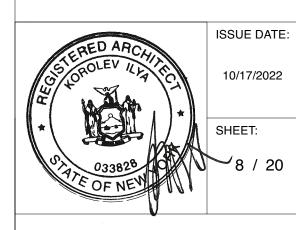
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DRAWING TITLE: DEMOLITION EXTERIOR ELEVATION - NORTH





1 DEMOLITION EXTERIOR ELEVATION - EAST
Scale: 1/4" = 1'-0"

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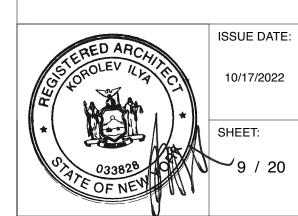
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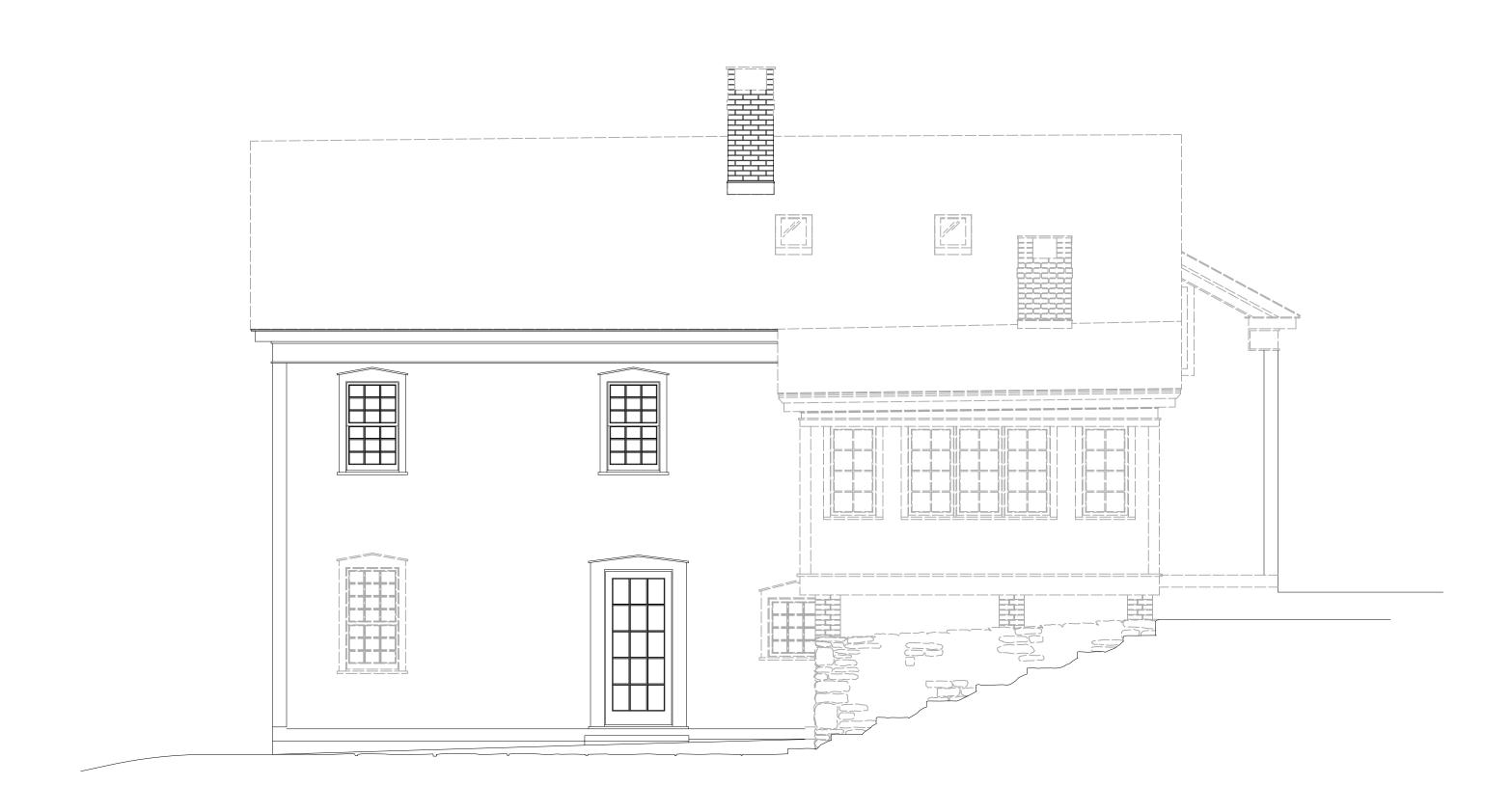
WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

43 Butts Hollow Road, Dover Plains, NY

DRAWING TITLE:

EXTERIOR ELEVATION
- EAST





2 DEMOLITION EXTERIOR ELEVATION - SOUTH
Scale: 1/4" = 1'-0"

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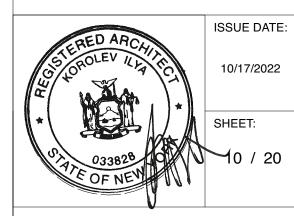
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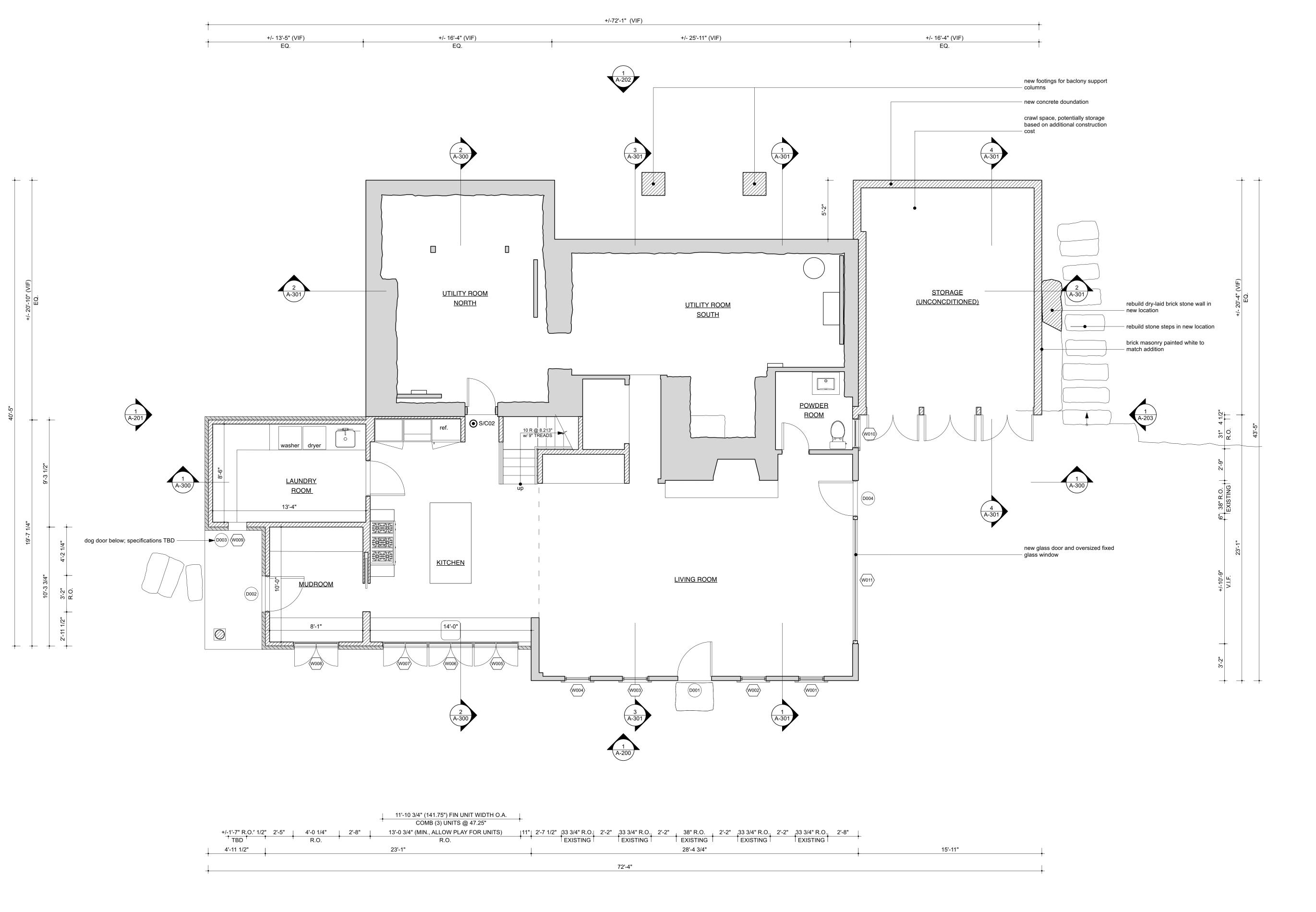
WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

43 Butts Hollow Road, Dover Plains, NY

DRAWING TITLE:

EXTERIOR ELEVATION - SOUTH





CONSTRUCTION PLAN - LOWER LEVEL
Scale: 1/4" = 1'-0"

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LEGEND:

new combination smoke and carbon monoxide detector

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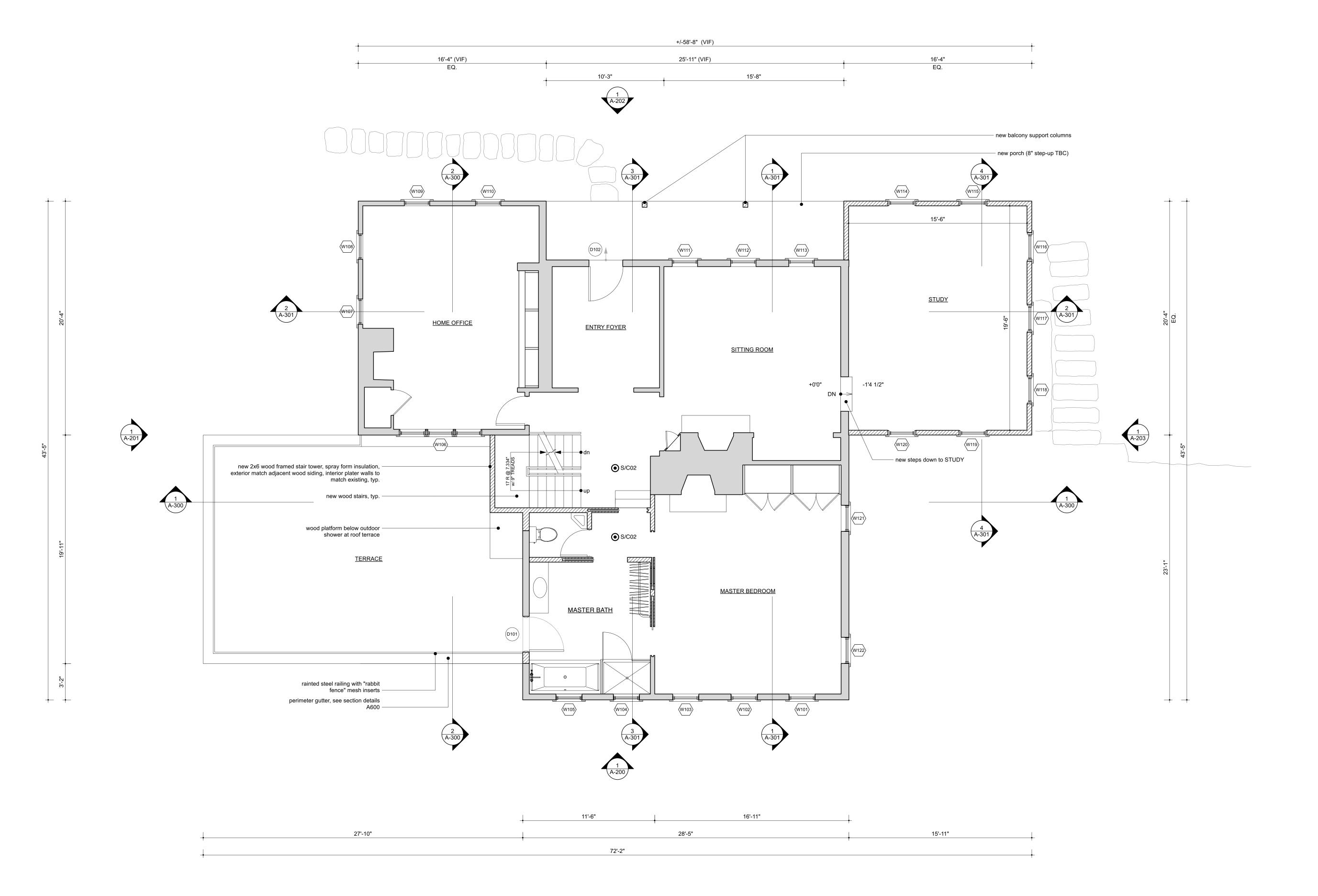
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CONSTRUCTION PLAN - LOWER LEVEL

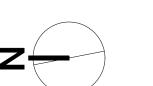


A-100

ISSUE DATE:



1 CONSTRUCTION PLAN - FIRST FLOOR
Scale: 1/4"=1'-0"



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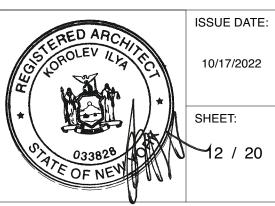
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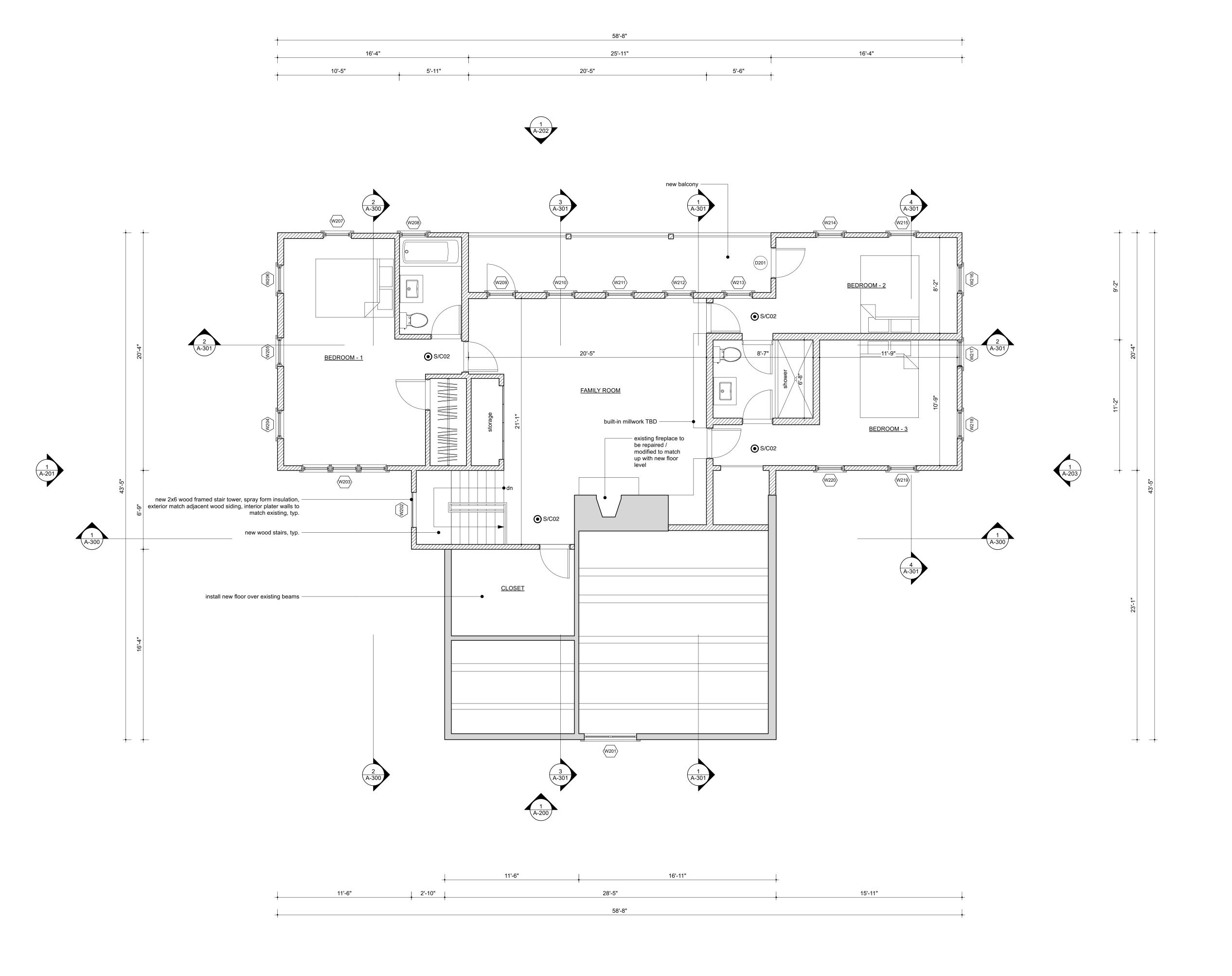
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DRAWING TITLE:

CONSTRUCTION PLAN
- FIRST FLOOR



A-101



Z

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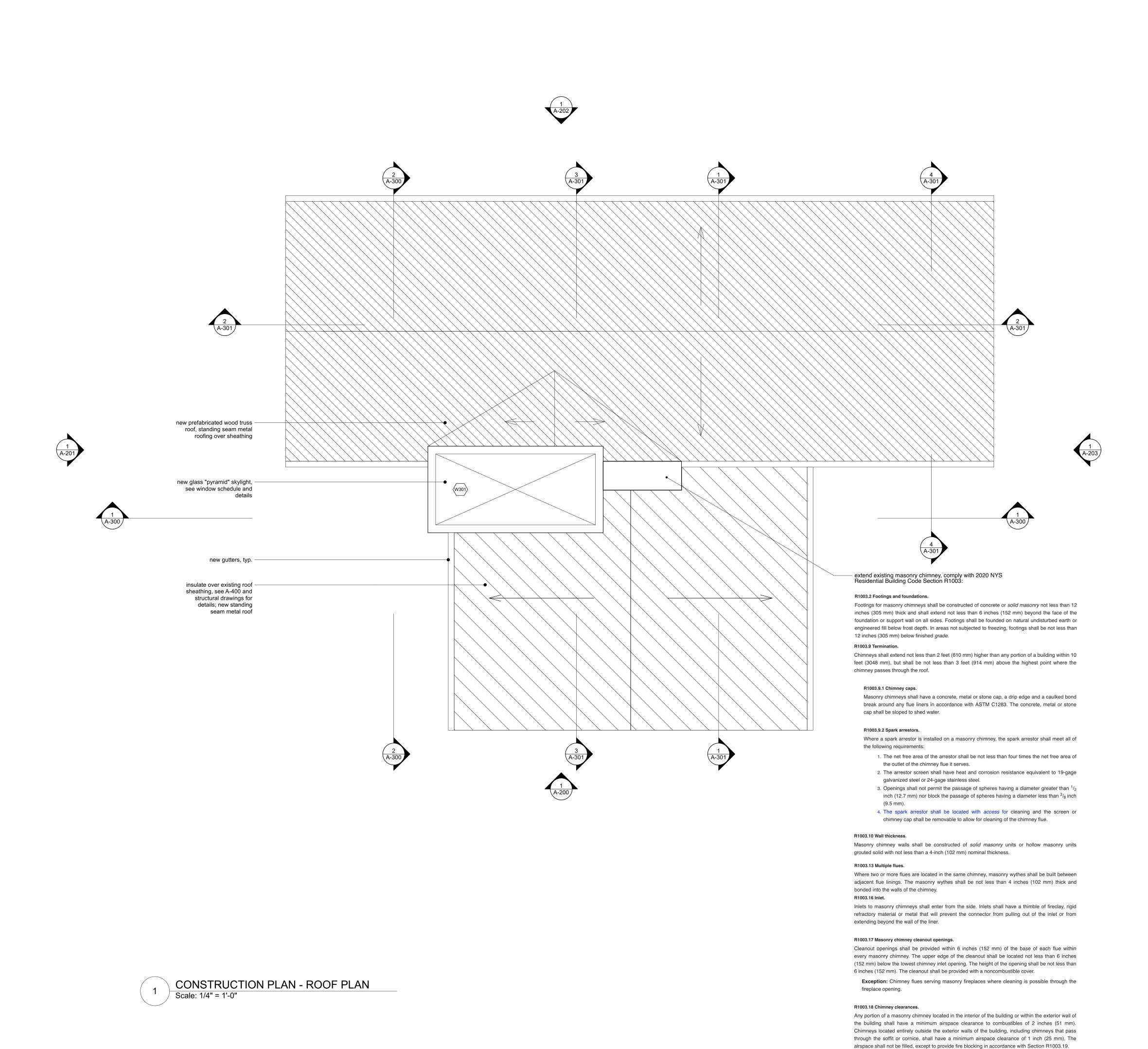
DRAWING TITLE:

CONSTRUCTION PLAN - SECOND FLOOR



A-102

ISSUE DATE:



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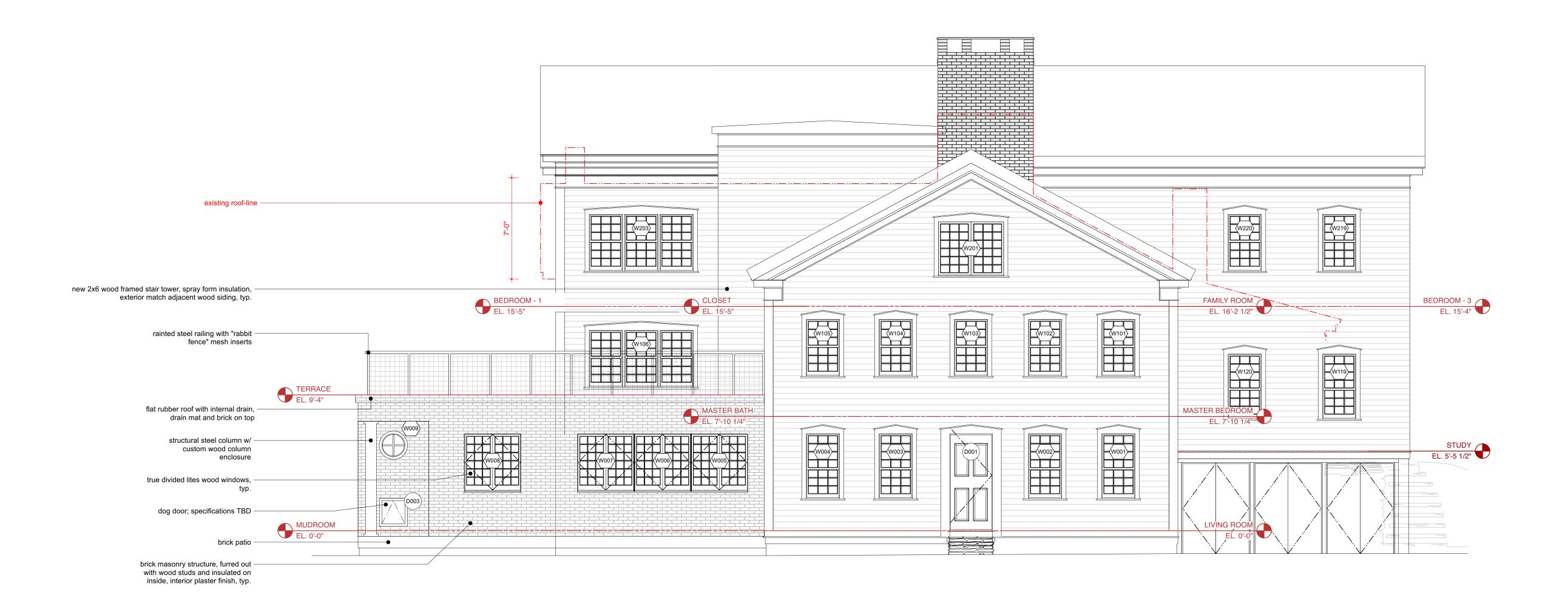
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CONSTRUCTION PLAN - ROOF





EXTERIOR ELEVATION - WEST Scale: 1/4" = 1'-0"

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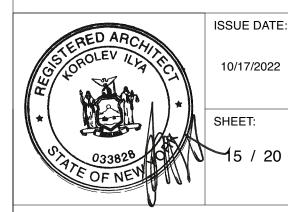
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DRAWING TITLE:

EXTERIOR ELEVATION - WEST



A-200



1 EXTERIOR ELEVATION - NORTH
Scale: 1/4" = 1'-0"

ARCHITECT:

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INTERIOR DESIGNER: BILLY COTTON STUDIO PM CONTACT: JASON CHEN jason@billycotton.com

STRUCTURAL AND SEPTIC SYS. ENGINEER: KAATERSKILL ASSOCIATES

517 MAIN STREET PO BOX 1020 CAIRO, NY 12413 518-622-9667 s.ouimet@keaeng.com

MECHANICAL ENGINEER:

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10/17/2022 Zoning Variance Application 09/08/2022 Building Permit Application 05/23/2022 Approved SD 05/17/2022 Updated Scope SD 11/19/2021 SD / Budget Estimating No. Date Description

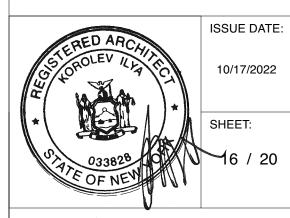
OWNER / PROJECT INFORMATION:

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

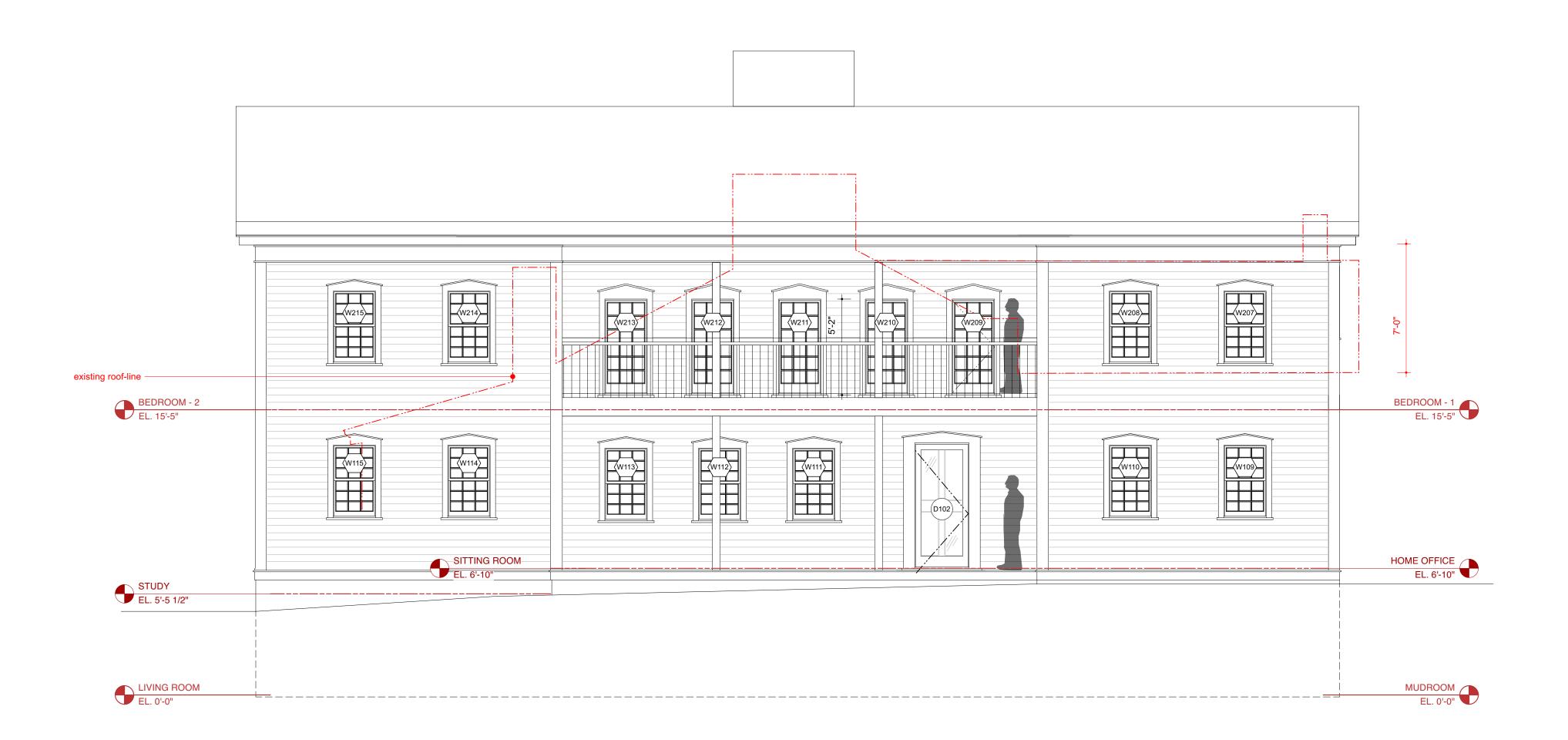
43 Butts Hollow Road, Dover Plains, NY

DRAWING TITLE:

EXTERIOR ELEVATION - NORTH



A-201



1 EXTERIOR ELEVATION - EAST
Scale: 1/4" = 1'-0"

ARCHITECT:

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OWNER / PROJECT INFORMATION:

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

43 Butts Hollow Road, Dover Plains, NY

DRAWING TITLE:

EXTERIOR ELEVATION
- EAST



A-202

ISSUE DATE:



1 EXTERIOR ELEVATION - SOUTH
Scale: 1/4" = 1'-0"

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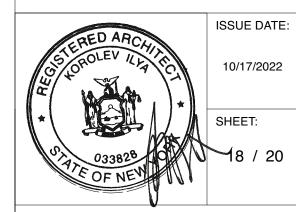
OWNER / PROJECT INFORMATION:

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

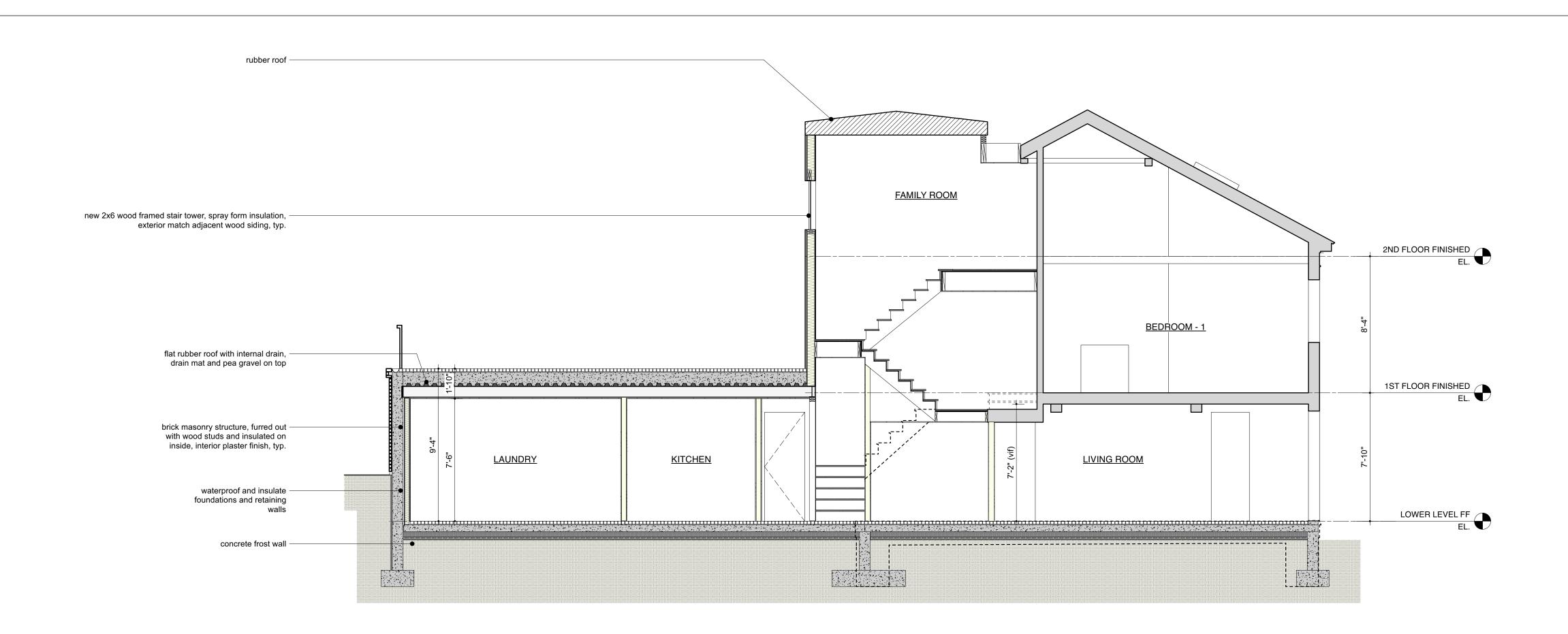
43 Butts Hollow Road, Dover Plains, NY

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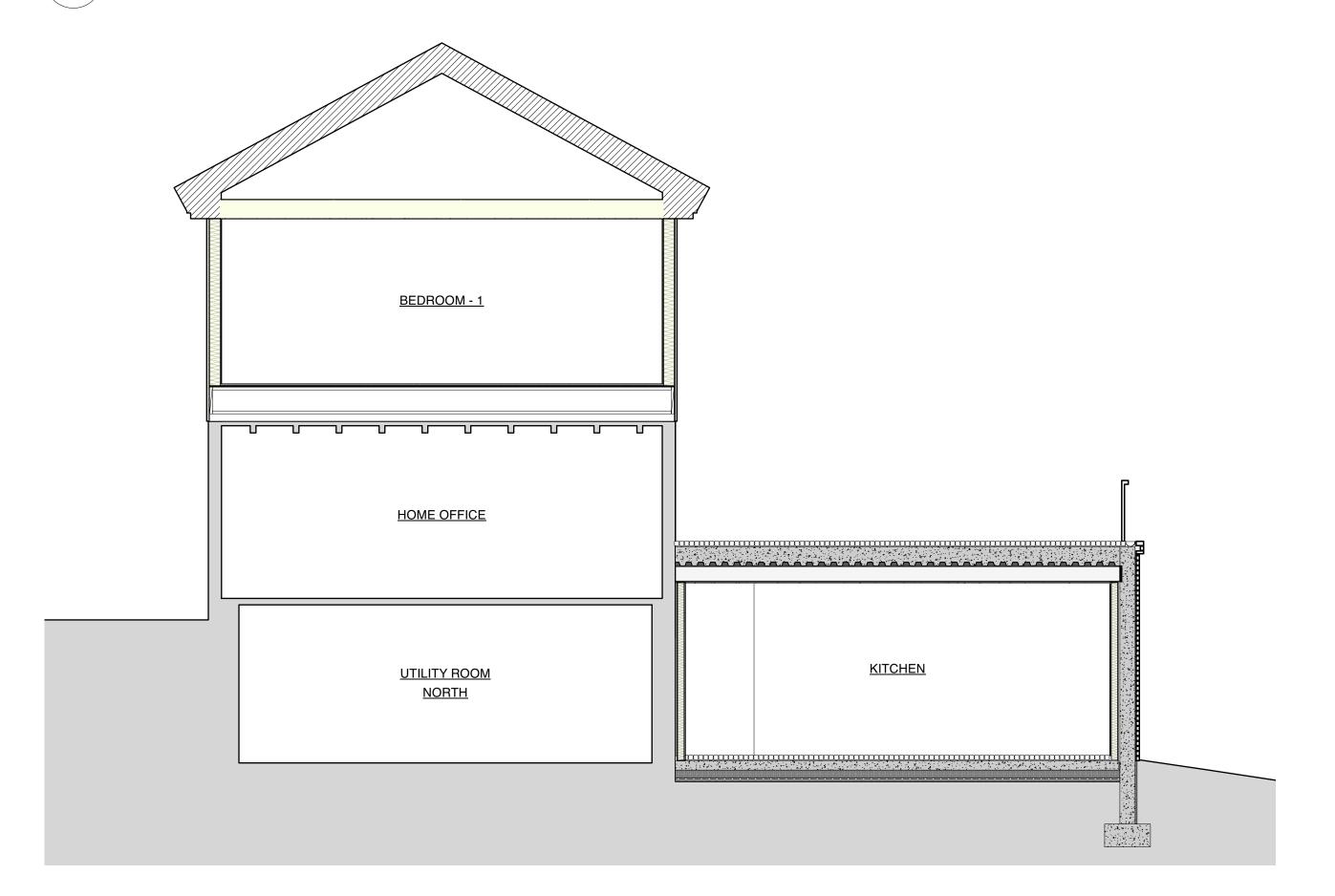
EXTERIOR ELEVATION - SOUTH



A-203



LONG SECTION THROUGH ADDITION AND STAIR Scale: Actual Size



2 LONG SECTION THROUGH ADDITION AND STAIR
Scale: Actual Size

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OWNER / PROJECT INFORMATION:

WHITE ROCK FARM - MAIN HOUSE RENOVATION AND ADDITION

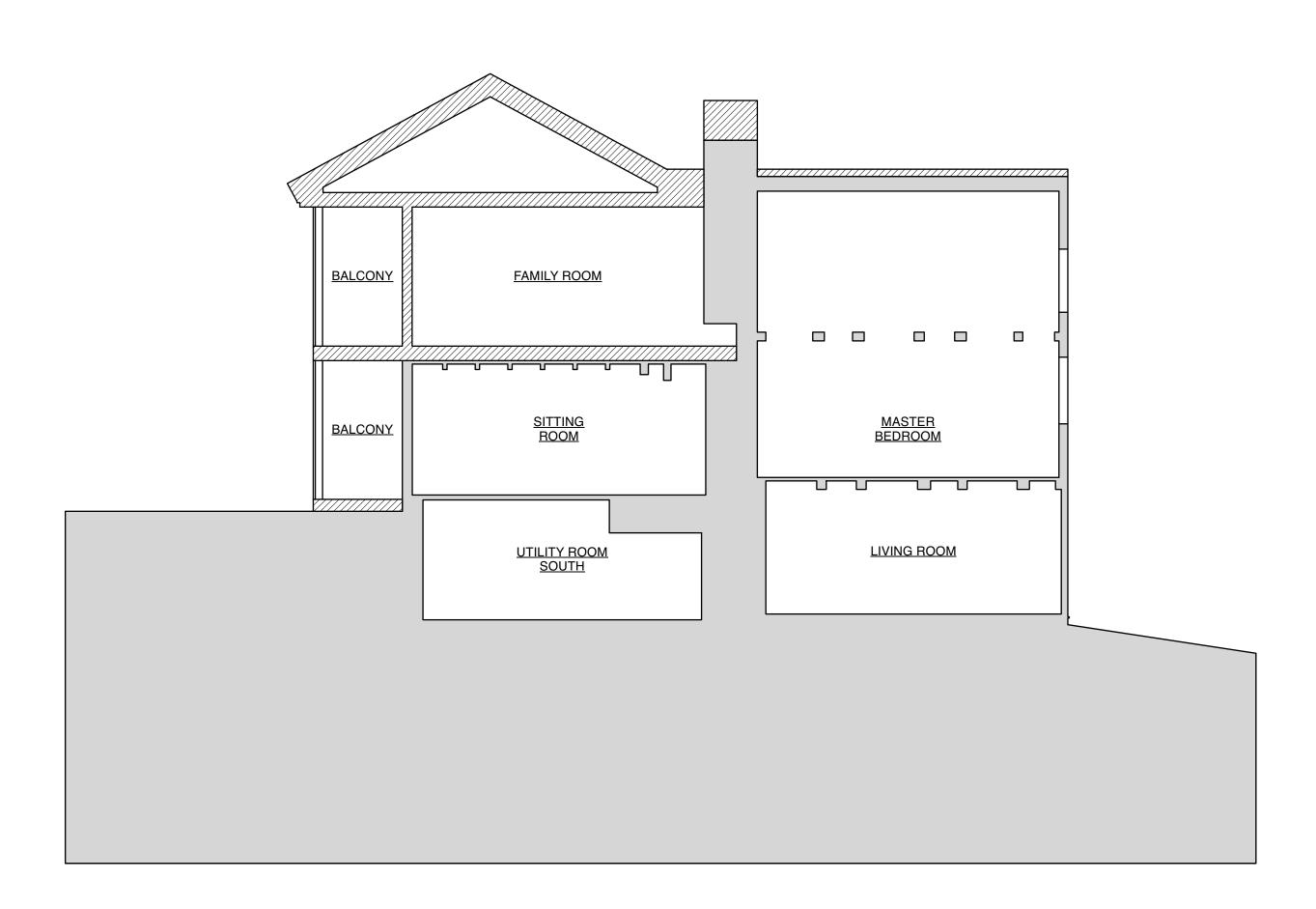
43 Butts Hollow Road, Dover Plains, NY

DRAWING TITLE:

BUILDING SECTIONS

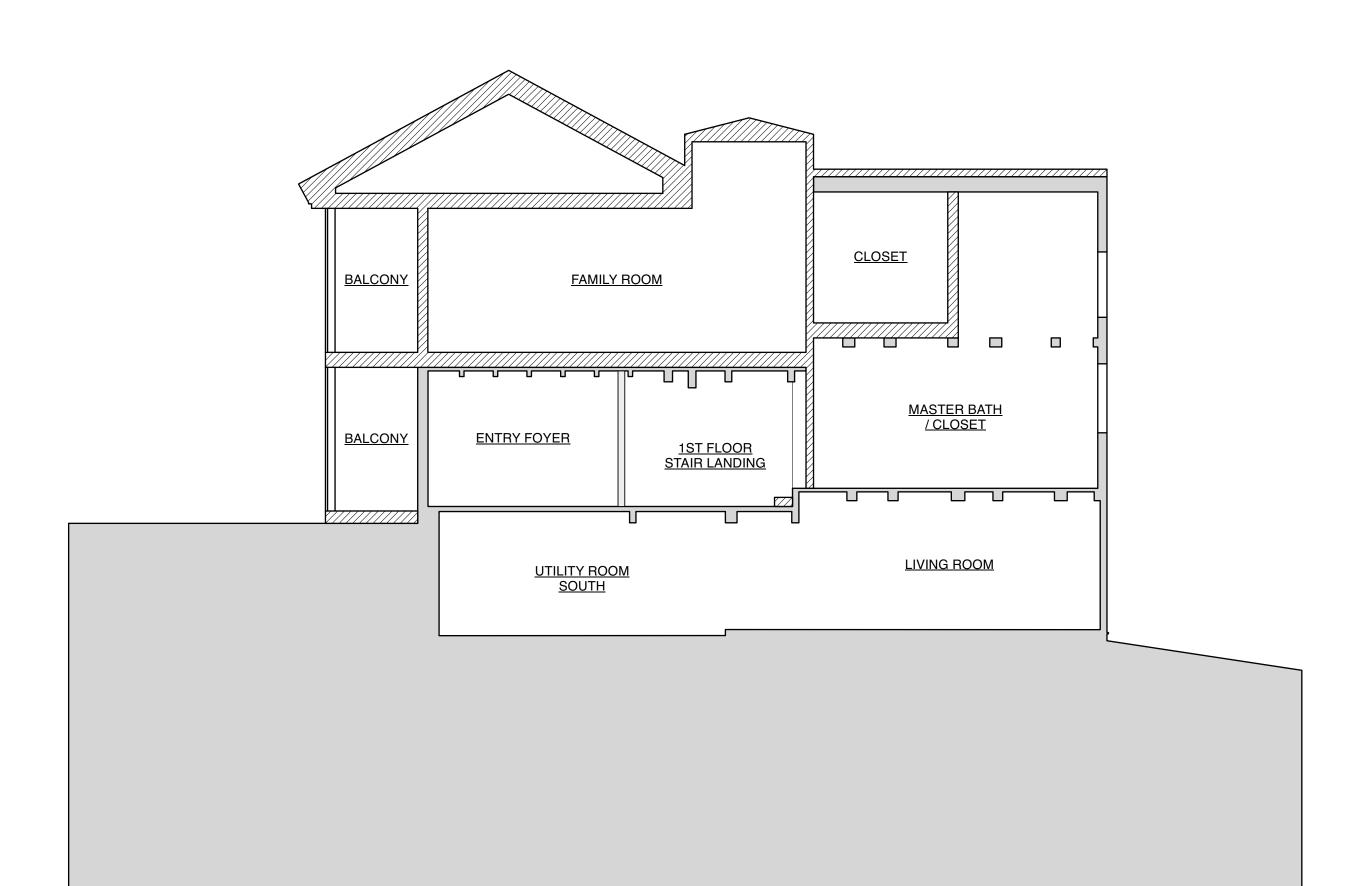


A-300



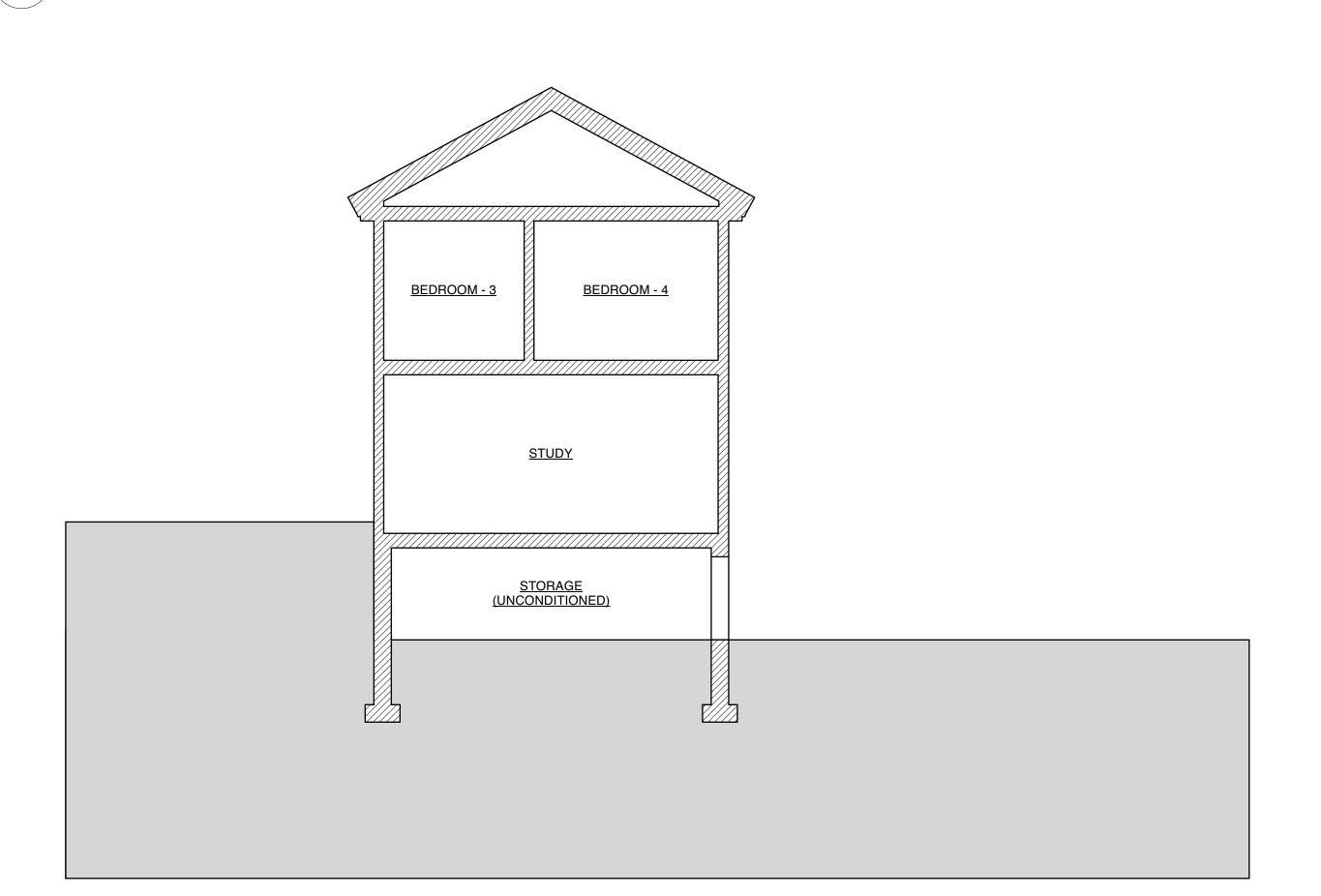
BEDROOM - 1 FAMILY ROOM <u>BATH - 3</u> BEDROOM - 3 **HOME OFFICE ENTRY FOYER** SITTING ROOM <u>STUDY</u> UTILITY ROOM NORTH UTILITY ROOM SOUTH UNCONDITIONED STORAGE

BUILDING SECTION
Scale: 3/16" = 1'-0"



2 BUILDING SECTION
Scale: 3/16" = 1'-0"

BUILDING SECTION
Scale: 3/16" = 1'-0"



BUILDING SECTION
Scale: 3/16" = 1'-0"

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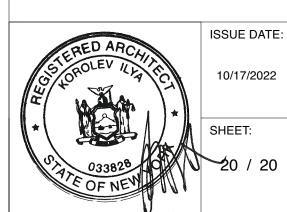
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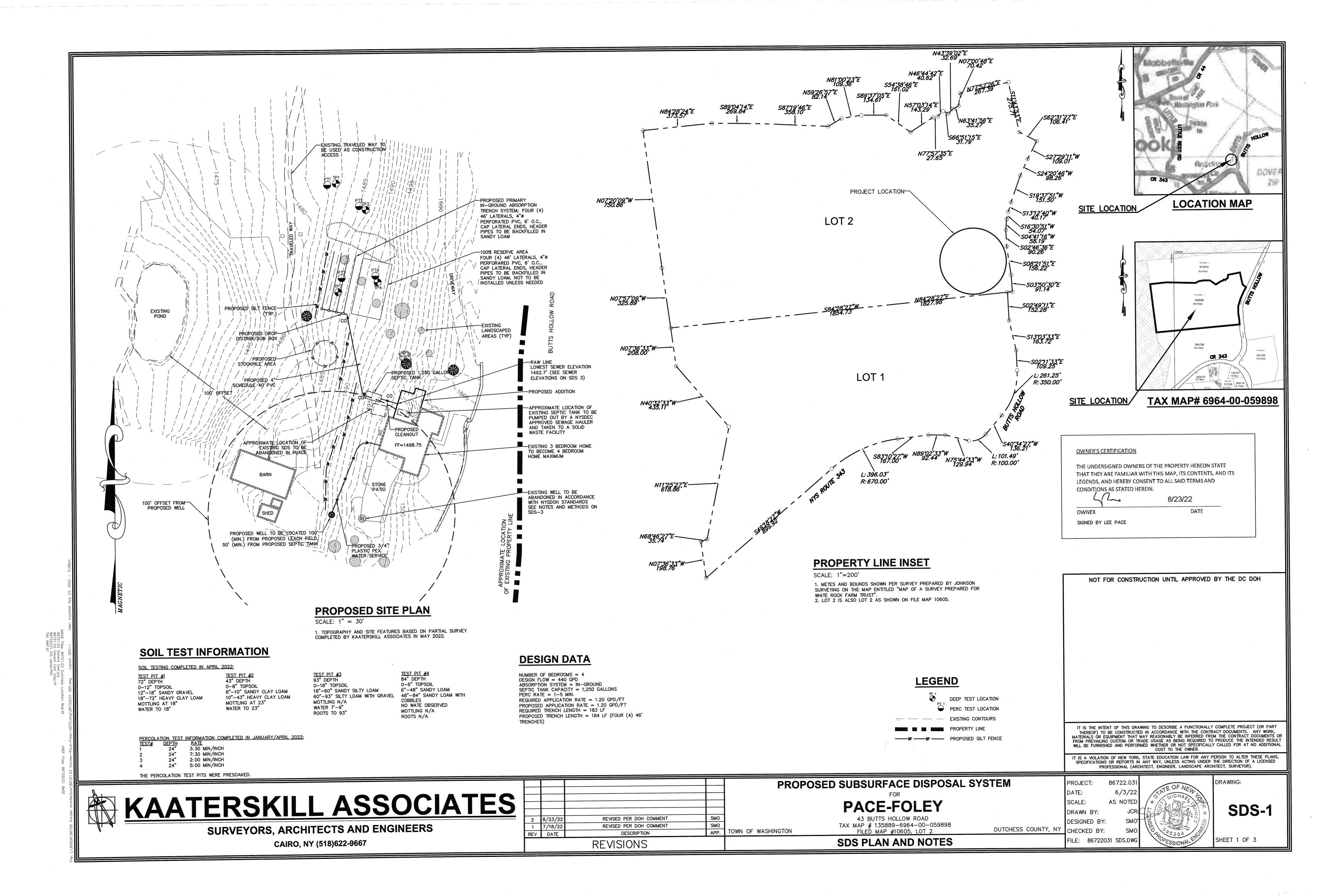
43 Butts Hollow Road, Dover Plains, NY

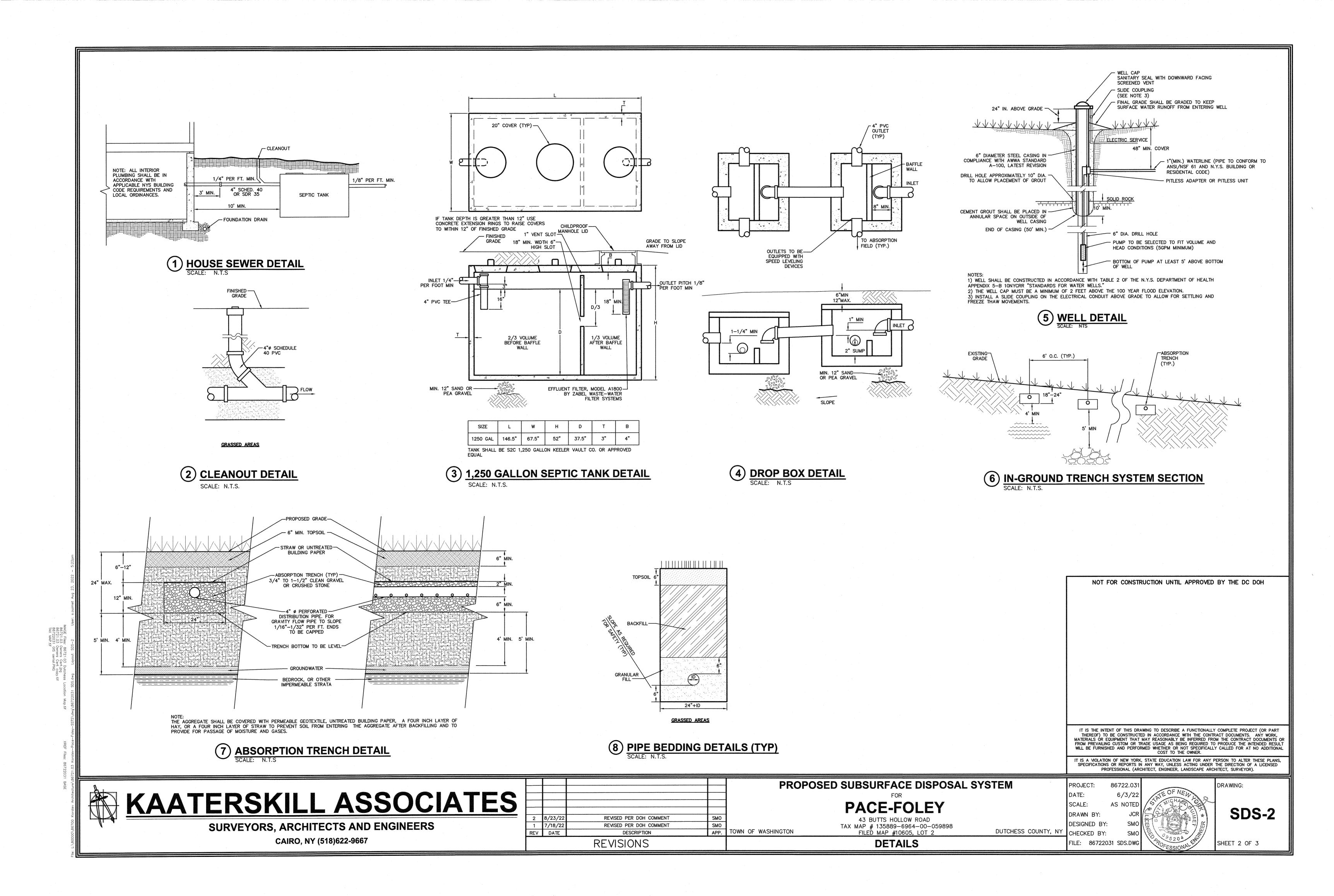
DRAWING TITLE:

BUILDING SECTIONS



A-301





"APPENDIX 75-A, WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE." "NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS", NYSDEC "RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS, DESIGN HANDBOOK", NEW YORK STATE DEPARTMENT OF HEALTH.

"PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT", NEW YORK STATE DEPARTMENT OF HEALTH.

"NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS.

OF APPROVAL LETTER."

"DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES." "DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION CERTIFICATE

THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES: AND, AS A CONDITION OF THIS APPROVAL, A CONSTRUCTION INSPECTION BY A REPRESENTATIVE OF THE DC EHSD SHALL BE DONE TO DETERMINE THAT CONSTRUCTION AT THE TIME OF INSPECTION WAS COMPLETED IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND ANY AMENDMENT

APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERATION FOR RE-APPROVAL. RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME

THE DC EHSD SHALL BE CONTACTED PRIOR TO THE COMMENCEMENT OF THE HOME CONSTRUCTION AND/OR ISSUANCE OF A BUILDING PERMIT FOR A PRE-CONSTRUCTION INSPECTION TO ENSURE THAT THE ARRANGEMENTS FOR WATER SUPPLY AND SEWAGE DISPOSAL ARE COMMENCED IN ACCORDANCE WITH THE APPROVED PLANS AND AMENDMENTS THERETO AND GENERALLY ACCEPTED

ALL WELLS AND ONSITE WASTEWATER TREATMENT SYSTEMS, EXISTING OR APPROVED, LOCATED WITHIN 300 FEET OF THE PROPOSED WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM

THE TANK IS DELIVERED TO THE SITE IN SECTIONS, THEN IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE DC EHSD FIELD INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERTIGHT AND ACCÉPTABLE FOR USE. THIS SHALL REQUIRE, AT A MINIMUM. THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THE TANK MUST ALSO MEET ANY LOCAL TESTING REQUIREMENTS, INCLUDING POSSIBLE ELECTRICAL AND SAFETY STANDARDS.

ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.

NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE DISCHARGED INTO THE ONSITE WASTEWATER TREATMENT SYSTEM OR WITHIN 50 FEET OF ANY WELL

ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE ONSITE WASTEWATER TREATMENT SYSTEM.

THERE SHALL BE NO VEHICULAR TRAFFIC OVER THE ONSITE WASTEWATER TREATMENT SYSTEM. PRIOR TO CONSTRUCTION, THE AREA OF THE SYSTEM SHALL BE STAKED OUT AND FENCED OFF.

ONSITE WASTEWATER TREATMENT SYSTEMS SHALL NOT BE INSTALLED IN WET OR FROZEN SOIL.

REQUIRED EROSION & SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION WATER QUALITY & QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN ON THE PLANS.

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

ANY CONSTRUCTION OF AN ONSITE WASTEWATER TREATMENT SYSTEM AND/OR WATER SUPPLY ON AN AREA OF AN EXISTING LOT(S) WHICH IS NOT EXISTING AT THE TIME OF THIS APPROVAL BUT WAS APPROVED AS PART OF THIS APPROVAL SHALL BE INSPECTED AND APPROVED BY THE DC EHSD PRIOR TO

A SEPTIC TANK EFFLUENT FILTER, IF PROVIDED, MUST BE ACCESSIBLE VIA A WATERTIGHT, LOCKABLE EXTENSION TO GRADE, BE NSF STAND 46 COMPLIANT, AND BE THE RESPONSIBILITY OF THE APPLICANT/SITE OWNER TO MAINTAIN IN CONFORMANCE WITH MANUFACTURER REQUIREMENTS.

DIG SAFELY NEW YORK. 1-800-962-7962. CALL BEFORE YOU DIG. WAIT THE REQUIRED TIME. CONFIRM UTILITY RESPONSE. RESPECT THE MARKS. DIG WITH

THERE SHALL BE NO BENDS IN THE RAW LINE.

OBJECTS AND STRUCTURES SUCH AS DRIVEWAYS, SWIMMING POOLS. SHEDS OR DECKS SHALL NOT BE CONSTRUCTED ABOVE SEPTIC TANKS, DISTRIBUTION BOXES, AND ABSORPTION AREAS.

ONSITE WASTEWATER TREATMENT SYSTEMS ARE NOT DESIGNED TO RECEIVE MACERATED WASTEWATER FROM GARBAGE GRINDERS, OR BASEMENT FLUSH

ALL CONDITIONS SHOWN ON FILED MAP 10605 SHALL REMAIN IN EFFECT UNLESS SPECIFICALLY SUPERSEDED BY THE DESIGN SHOWN HEREON.

THESE DRAWINGS PRESENT A PROPOSED SUBSURFACE SEWAGE TREATMENT SYSTEM DESIGN. THE HOUSE, WELL, DRIVEWAY, AND ANY SIMILAR FEATURES ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. NO REPRESENTATION IS MADE THAT THE LOCATIONS OF SUCH FEATURES ARE IN COMPLIANCE WITH APPLICABLE LOCAL, STATE, OR FEDERAL REQUIREMENTS. HOUSE, DRIVEWAY, AND WELL LOCATIONS AND DESIGNS ARE TO BE AT THE DIRECTION OF THE IN COMPLIANCE WITH THE REQUIREMENTS OF NYS DOH APPENDIX 75-A, AND ANY OTHER APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS.

THE APPROVED DRAWINGS SHALL BE ON SITE AT ALL TIMES DURING

DISCREPANCIES IN THE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF

THESE DRAWINGS MAY PRESENT DRAINAGE IMPROVEMENTS AS APPROPRIATE TO PIPING TO BE LOCATED IN VEHICULAR TRAFFIC AREAS SHALL BE SLEEVED IN PROTECT THE PROPOSED SUBSURFACE SEWAGE TREATMENT SYSTEM. THESE DRAWINGS DO NOT PRESENT A COMPLETE DRAINAGE PLAN FOR THE BUILDING LOT. IT IS RECOMMENDED THAT (1) THE EXISTING DRAINAGE PATTERNS NOT BE SIGNIFICANTLY ALTERED BY THE PROPOSED DEVELOPMENT OF THE SITE AND (2) THE PROPERTY OWNER/CLIENT COORDINATE WITH THE APPLICABLE STATE, COUNTY, OR LOCAL HIGHWAY DEPARTMENT WHERE NEW DRIVEWAYS ARE WHERE PIPES CROSS BENEATH DRAINAGE FEATURES OR THROUGH CURTAIN

THIS SITE PLAN IS PARTIALLY BASED ON FIELD WORK PERFORMED BY KAATERSKILL ASSOCIATES. PROPERTY LINE LOCATIONS SHOWN ARE BASED ON BOUNDARY SURVEY PERFORMED BY KAATERSKILL ASSOCIATES. THIS IS NOT A SURVEY. CONTRACTOR SHALL VERIFY ALL PROPERTY LINES PRIOR TO

ENGINEER WILL NOT SUPERVISE, DIRECT, CONTROL OR HAVE AUTHORITY OVER, OR BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS DISTRIBUTION BOX OUTLETS SHALL BE AT THE SAME ELEVATION AND SHALL BE AND PROGRAMS INCIDENT THERETO OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS AND REGULATIONS APPLICABLE TO THE FURNISHING OR PERFORMANCE OF THE WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM OR FURNISH THE WORK IN ACCORDANCE MORTARED IN PLACE. WITH THE CONTRACT DOCUMENTS.

CONTRACTOR IS RESPONSIBLE FOR THE LAYING OUT OF HIS OWN WORK. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND MEASUREMENTS PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER REGARDING ANY

CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES. IF THE LOCATION OF EXISTING UTILITIES AFFECTS PROPOSED DESIGN, CONTRACTOR SHALL NOTIFY ENGINEER.

DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND THE GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION. ALL WORK SHALL, AS A MINIMUM, CONFORM TO THE LATEST EDITION OF THE FOLLOWING REGULATIONS: NYS DOH APPENDIX 75-A.

FLOOR DRAINS, FOUNDATION DRAINS, OR STORM DRAINS OF ROOF GUTTERS SHALL NOT DISCHARGE INTO THE SUBSURFACE SEWAGE TREATMENT SYSTEM. BACKWASH FROM WATER SOFTENING DEVICES SHALL NOT DISCHARGE INTO THE CEMENT, PLASTER, BUILDING DEBRIS, AND OTHER EXTRANEOUS MATERIALS SUBSURFACE SEWAGE TREATMENT SYSTEM.

CONSTRUCTION PROCEDURES

DISCREPANCIES.

THE DESIGN ENGINEER SHALL OBSERVE CONSTRUCTION AND SHALL ADVISE, IN WRITING. TO THE APPLICABLE REGULATORY AGENCY, WHEN SYSTEM CONSTRUCTION HAS BEEN SUBSTANTIALLY COMPLETE.

CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AND APPLICABLE REGULATORY AGENCY A MINIMUM OF 48 HOURS IN ADVANCE OF ANY TESTING OR BACKFILLING OF APPURTENANCES TO SATISFY ALL CONSTRUCTION OBSERVATION REQUIREMENTS. ENGINEER SHALL NOT APPROVE THE SYSTEM CONSTRUCTION AS SUBSTANTIALLY CONFORMING TO THE DESIGN IF BACKFILLING IS PERFORMED PRIOR TO OBSERVATION. THE APPLICABLE REGULATORY AGENCY REQUIREMENTS MAY BE DIFFERENT THAN THOSE REQUIRED BY ENGINEER ON THESE DRAWINGS.

CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL LABOR, EQUIPMENT, AND MATERIALS TO PERFORM ALL TESTING OR CONSTRUCTION OBSERVATIONS REQUIRED BY APPLICABLE REGULATORY AGENCY OR THE DESIGN ENGINEER.

CONTRACTOR SHALL SUBMIT SPECIFICATION SHEETS TO ENGINEER FOR REVIEW AND APPROVAL FOR ANY SYSTEM COMPONENTS WHICH DO NOT CONFORM TO

THE CONTRACTOR SHALL PROTECT THE PRIMARY AND RESERVE AREAS FROM ANY ACTIVITY THAT COULD COMPACT THE SOIL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES AS NEEDED TO PREVENT EROSION IMPACTS TO WATER BODIES, PUBLIC ROADWAYS, OR OTHER LANDS OUTSIDE OF THE PROJECT AREA. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND

WHERE A SITE CONTAINS PROPOSED DRAINAGE IMPROVEMENTS (CURTAIN DRAIN, SWALE, ETC.) UPHILL FROM A PROPOSED ABSORPTION FIELD. THESE DRAINAGE IMPROVEMENTS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE ABSORPTION FIELD.

CONTRACTOR SHALL REMOVE ALL DEBRIS DAILY AND CLEAN AREA THOROUGHLY AFTER COMPLETION.

SPECIFICATIONS FOR EROSION CONTROL.

CONTRACTOR SHALL SUPPLY ENGINEER WITH AN "AS-BUILT" SKETCH SHOWING TRIANGULATED MEASUREMENTS TO SYSTEM COMPONENTS FROM FIXED POINTS

CONCRETE STRUCTURES

ALL CONCRETE SEPTIC TANKS, DISTRIBUTION BOXES, DOSING CHAMBERS, ETC. SHALL BE PRECAST REINFORCED CONCRETE CAPABLE OF WITHSTANDING A

ALL CONCRETE SEPTIC TANKS ARE TO BE A DUAL COMPARTMENT TANKS WITH APPROPRIATE EFFLUENT FILTER.

ALL TANKS SHALL BE BEDDED ON A MINIMUM OF 12" SAND OR PEA GRAVEL.

ALL PROPOSED TANKS SHALL HAVE A MINIMUM OF 6" COVER. ALL PROPOSED TANKS SHALL HAVE RISERS TO GRADE IF REQUIRED BY SITE

PENETRATIONS SHALL BE MADE WATERTIGHT.

CONDITIONS UNLESS OTHERWISE NOTED. ALL PROPOSED TANKS SHALL BE OF WATERTIGHT CONSTRUCTION. ALL

HOUSE PLUMBING AND HOUSE SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL STANDARDS.

UNLESS OTHERWISE NOTED ON THESE DRAWINGS, GRAVITY PIPING BETWEEN THE HOUSE AND THE ABSORPTION FIELD IN THE SEPTIC SYSTEM SHALL BE 4" PVC, SCHEDULE 40 OR SDR 35. PRESSURE PIPING SHALL BE 2" HDPE OR PVC, PROPERTY OWNER/CLIENT, PROVIDED THAT SUCH LOCATIONS AND DESIGNS ARE SCHEDULE 80 OR SDR 21. DISTRIBUTION PIPING SHALL BE 4" PERFORATED PVC.

> ALL JOINTS IN THE PIPING SHALL BE SEALED WITH AN APPROPRIATE PVC-SOLVENT CEMENT.

> > UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE INSTALLED WITH A POSITIVE SLOPE AND WITHOUT ANY LOW SPOTS.

ALL PIPING SHALL HAVE A MINIMUM 12" OF SOIL COVER.

STEEL OR IRON PIPE OF LARGER DIAMETER. SAND OR SIMILAR BEDDING MATERIAL SHALL BE PLACED AROUND PVC PIPE WITHIN SLEEVE. CONTRACTOR SHALL REVIEW SLEEVE METHOD AND MATERIALS WITH ENGINEER PRIOR TO PIPE

DRAINS, THERE SHALL BE NO PIPE JOINT WITHIN 4' OF THE DRAINAGE FEATURE OR CURTAIN DRAIN.

CLAY DAMS SHALL BE INSTALLED AS SHOWN ON THESE PLANS AND AS APPROPRIATE TO MITIGATE MOVEMENT OF GROUNDWATER THROUGH PIPE BEDDING. CLAY DAMS SHALL CONSIST OF A 2' THICK LAYER OF LOW PERMEABILITY MATERIAL USED IN PLACE OF NORMAL BEDDING MATERIAL.

EQUIPPED WITH "SPEED LEVELING" DEVICES.

DISTRIBUTION BOX BAFFLE SHALL BE CONSTRUCTED OF CONCRETE BRICK

UNTREATED BUILDING PAPER TO COVER ABSORPTION FIELD TRENCHES.

GRAVEL FOR ABSORPTION SYSTEMS SHALL BE 3/4"-1 1/2" WASHED GRAVEL OR CLEAN CRUSHED STONE. GRAVEL OR CRUSHED STONE CONTAINING SILT, DIRT OR OTHER FINE MATERIALS OR DEBRIS SHALL NOT BE CONSIDERED ACCEPTABLE. PERMEABLE GEOTEXTILE FILTER FABRIC MAY BE USED INSTEAD OF STRAW OR

THE AREA UPHILL FROM THE PROPOSED SYSTEM SHALL BE REGRADED OR PROVIDED WITH A SHALLOW SWALE AS APPROPRIATE TO DIRECT SURFACE WATER AWAY FROM SYSTEM AREA.

UNLESS OTHERWISE NOTED ON THE DRAWINGS, NO FINISHED SLOPES SHALL EXCEED 3 HORIZONTAL TO 1 VERTICAL.

TOPSOIL SHALL NOT HAVE ROOTS, PLANTS, SOD, STONES, CLODS, CLAY LUMPS, POCKETS OF COARSE SAND, CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, HARMFUL TO PLANT GROWTH.

CONTRACTOR SHALL SEED AND MULCH AREA IMMEDIATELY AFTER COMPLETION OF SYSTEM INSTALLATION AND AFTER INSTALLATION OF APPURTENANCES TO PROTECT THE SITE FROM EROSION. CONTRACTOR SHALL MAINTAIN AREA UNTIL PROPER GERMINATION HAS TAKEN PLACE, AT WHICH TIME FURTHER MAINTENANCE IS NOT REQUIRED.

CONSTRUCTION MEETING/OBSERVATIONS

A PRECONSTRUCTION MEETING WITH ENGINEER, CONTRACTOR, AND APPLICABLE REGULATORY AGENCY SHALL BE CONDUCTED PRIOR TO CONSTRUCTION TO REVIEW SYSTEM CONSTRUCTION. ENGINEER WILL COORDINATE THE PRECONSTRUCTION MEETING.

ENGINEER SHALL PERFORM PERCOLATION TESTING IN FILL MATERIAL AFTER FILL MATERIAL HAS BEEN INSTALLED. ENGINEER WILL NOT PERFORM PERCOLATION TESTING IF THE FILL MATERIAL INSTALLATION IS NOT SUBSTANTIALLY COMPLETE.

OBSERVATION OF ABSORPTION FIELD (TRENCHES OR BED) AND PRIMARY AND DOSING TANKS PRIOR TO BACKFILL: SUFFICIENT PORTIONS OF THE ABSORPTION FIELD SHALL BE EXPOSED TO ALLOW FOR THOROUGH OBSERVATION OF THE GRAVEL AND TO ALLOW FOR ELEVATION READINGS AT A MINIMUM OF 3 LOCATIONS ON EACH DISTRIBUTION PIPE WITH INTERVALS NOT TO EXCEED 25' IN LENGTH. SEPTIC TANKS SHALL BE SUFFICIENTLY EXPOSED TO ALLOW FOR OBSERVATION OF TANK BEDDING.

PUMP CHAMBER OR DOSING CHAMBER OBSERVATION: CONTRACTOR SHALL HAVE WATER AVAILABLE FOR TESTING OF THE DOSING SYSTEM. FOR PUMP SYSTEMS, ALL ELECTRICAL WORK SHALL BE COMPLETE. FOR PRESSURE DISTRIBUTION SYSTEMS TEMPORARY RISER PIPES SHALL BE PROVIDED.

FINAL OBSERVATION: AFTER ALL WORK HAS BEEN COMPLETED, INCLUDING SITE RESTORATION, FINAL GRADING, SEEDING, AND MULCHING CONTRACTOR SHALL CONTACT ENGINEER FOR FINAL OBSERVATION.

ENGINEER SHALL BILL CLIENT FOR ANY SITE VISITS IN EXCESS OF THE SITE

VISITS SPECIFIED ABOVE, IN AN AMOUNT SPECIFIED IN THE AGREEMENT BETWEEN THE ENGINEER AND THE CLIENT. OWNER/CLIENT MAY BACK CHARGE GROUT IS A MATERIAL THAT HAS A LOW PERMEABILITY, SUCH AS NEAT CEMENT. CONTRACTOR AN EQUAL AMOUNT.

1ST DROP

SILT FENCE DETAIL METHOD PROVIDING THE UNIT IS INSTALLED AS PER DETAIL.

1. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100' OF FENCE.

MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SILT FENCE PLACED ON A SLOPE ARE:

3. ALL SILT FENCES SHALL BE PLACED AS CLOSE TO THE AREAS AS POSSIBLE, BUT AT LEAST 10' FROM THE TOE OF A SLOPE.

16" INTO GROUND

6. WHERE ENDS OF FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.

36" MIN FENCE POSTS, DRIVEN MIN.

5. SENSITIVE AREAS TO BE PROTECTED BY SILT FENCE MAY NEED TO BE REINFORCED BY USING HEAVY WIRE FENCING FOR ADDED SUPPORT TO PREVENT COLLAPSE.

36" MIN. FENCE POST —

WOVEN WIRE FENCE (14-1/2 GA.

MIN., MAX 6" MESH SPACING.)

WITH FILTER CLOTH COVER -

EMBEDDED FILTER CLOTH

MIN. 6" INTO GROUND

SPACED EVERY 24" AT TOP AND MID SECTION.

OVERLAPPED BY SIX INCHES AND FOLDED.

NOT LESS THAN 1 LB. PER LINEAR FOOT.

"BULGES" DEVELOP IN THE SILT FENCE.

OPENING OR AS APPROVED

2. MAXIMUM PONDING DEPTH OF 1.5' BEHIND THE FENCE.

PERSPECTIVE VIEW

4. THE AREA BEYOND THE FENCE MUST BE UNDISTURBED OR STABILIZED.

MAXIMUM LENGTH (FEET)

10' MAX C. TO C.

THE EXISTING WELL MUST BE DECOMMISSIONED IN ACCORDANCE WITH NYSDOH FACT SHEET 4

SLOPE STEEPNESS

5:1 OR FLATTER

MAX 6" MESH SPACING)

WOVEN WIRE FENCE (MIN 14-1/2 GAUGE,

WELL DECOMMISSIONING METHODS PRIOR TO ABANDONMENT OF ANY WELL THE PUMP, DROP PIPE, ELECTRICAL CONTROLS, ETC. MUST BE REMOVED FROM THE CASING. LEAVING THESE ITEMS INSIDE THE WELL CASING WILL CAUSE VOIDS WHEN FILLING THE WELL, WHICH MAY INCREASE THE POSSIBILITY OF CONTAMINATION OF THE WELL AND LOCAL

DRIVEN POINTS MADE OF SMALL DIAMETER PIPE SHOULD BE PULLED OUT OF THE GROUND. THE HOLE SHOULD BE FILLED WITH GROUT IF POSSIBLE. THE AREA SHOULD BE GRADED SO THAT SURFACE WATER FLOWS AWAY FROM THE ABANDONED WELL LOCATION.

DUG WELLS SHOULD BE BACK FILLED WITH SOIL SIMILAR TO SURROUNDING SOILS, AND COMPACTED TO MATCH THE SURROUNDING SOILS. BROKEN CONCRETE, WOOD, OR OTHER DEBRIS SHOULD NOT BE USED AS BACKFILL. PRIOR TO BACK FILLING, THE SIDE WALL LINING OF THE DUG WELL SHOULD BE REMOVED TO THE FULL DEPTH IF SAFETY CAN BE MAINTAINED OR TO AT LEAST FOUR FEET BELOW GROUND LEVEL. DUG WELLS THAT HAVE PENETRATED FRACTURED ROCK SHOULD HAVE A CEMENT OR GROUT SEAL PLACED IN THE ROCK SECTION PRIOR TO BACK FILLING. AFTER BACK FILLING. THE AREA SHOULD BE GRADED SO THAT SURFACE WATER FLOWS AWAY FROM THE ABANDONED WELL LOCATION

DRILLED WELLS CAN BE DIFFICULT TO DECOMMISSION PROPERLY. WHENEVER PRACTICAL, THE WELL CASING SHOULD BE PULLED OUT OF THE GROUND OR OVERDRILLED, AND THE LENGTH OF THE DRILL HOLE SEALED WITH GROUT. WHEN FULL CASING REMOVAL IS IMPRACTICAL. THE ENTIRE LENGTH OF THE DRILLHOLE INCLUDING CASING INTERIOR SHOULD BE GROUTED. AND THE CASING CUT OFF AT LEAST FOUR FEET BELOW GROUND. WELL CASINGS THAT PENETRATE MULTIPLE AQUIFERS SHOULD BE PERFORATED PRIOR TO PRESSURE GROUTING THE INTERIOR. AFTER BACK FILLING, THE AREA SHOULD BE GRADED SO THAT SURFACE WATER FLOWS AWAY FROM THE ABANDONED WELL LOCATION.

EFFECTIVE GROUTING REQUIRES CAREFUL PLACEMENT TO ENSURE NO VOIDS ARE LEFT IN THE WELL AND THAT THE SEAL IS COMPLETE. REGISTERED WELL DRILLERS CAN ENSURE PROPER GROUT SELECTION AND INSTALLATION.

BENTONITE SLURRY, BENTONITE CHIPS, BENTONITE PELLETS, GRANULAR BENTONITE, OR OTHER MATERIALS THAT HAVE EQUIVALENT SEALING PROPERTIES. NUMEROUS GROUT PRODUCTS ARE AVAILABLE, AND A PROPER MATCH OF GROUT TO METHOD IS ESSENTIAL.

INVERT OUT ELEVATION = 1492.15'

ELEVATION =

SLOPE = 8.7%

1V: 2H SLOPE OR LESS GRADE TO SLOPE AWAY FROM BASE WHEN POSSIBLE · SILT FENCE AROUND TOE OF SLOPE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES

2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES

3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE

4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

5. FENCE POSTS SHALL BE 36" LONG MIN. OF HARDWOOD WITH A MIN. CROSS SECTIONAL

6. WRE FENCE FOR FABRICATED UNITS SHALL BE MIN. 14 GAUGE WITH A MAXIMUM 6"

7. ENVIROFENCE, GEOFAB, OR APPROVED EQUAL MAY BE USED IN LIEU OF THE ABOVE

AREA OF 3 SQ. INCHES. STEEL POSTS WILL BE STANDARD T AND U SECTION WEIGHING

1. AREAS CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.

2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V: 2H.

3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCE, THEN STABILIZED WITH VEGETATION (SEED AND MULCH), OR COVERED WITH PLASTIC.

4. SEE SILT FENCE DETAIL FOR INSTALLATION SPECIFICATIONS.

5. IF STOCKPILES ARE LOCATED IN PAVED AREAS HAY BALES OR SILT SOCKS

(2)MATERIAL STOCKPILE

NOT FOR CONSTRUCTION UNTIL APPROVED BY THE DC DOH

UNDISTURBED

GROUND

SECTION

IT IS THE INTENT OF THIS DRAWING TO DESCRIBE A FUNCTIONALLY COMPLETE PROJECT (OR PART THEREOF) TO BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY WORK, MATERIALS ÓR EQUIPMENT THAT MAY REASONABLY BE INFERRED FROM THE CONTRACT DOCUMENTS O FROM PREVAILING CUSTOM OR TRADE USAGE AS BEING REQUIRED TO PRODUCE THE INTENDED RESULT

IT IS A VIOLATION OF NEW YORK, STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL (ARCHITECT, ENGINEER, LANDSCAPE ARCHITECT, SURVEYOR).

WILL BE FURNISHED AND PERFORMED WHETHER OR NOT SPECIFICALLY CALLED FOR AT NO ADDITIONAL COST TO THE OWNER.

KAATERSKILL ASSOCIATES

SURVEYORS, ARCHITECTS AND ENGINEERS

CAIRO, NY (518)622-9667

REVISED PER DOH COMMENT REVISED PER DOH COMMENT 7/18/2 REV DATE **REVISIONS**

PROPOSED SUBSURFACE DISPOSAL SYSTEM

LENGTH=14'

- INVERT IN

1492.4

ELEVATION =

SLOPE = 10%

SEPTIC TANK

(3) SEWER ELEVATIONS

PROPOSED HOUSE

- FINISHED FLOOR

ELEVATION = 1498.75

- RAW ELEVATION = 1493.8'

PACE-FOLEY

SDS DETAILS AND NOTES

43 BUTTS HOLLOW ROAD TAX MAP # 135889-6964-00-059898 FILED MAP #10605, LOT 2

DUTCHESS COUNTY, NY

PROJECT: 86722.03 DATE: 6/3/2 SCALE: AS NOTE DRAWN B' DESIGNED BY: CHECKED BY: ILE: 86722031 SDS.DW



SDS-3

DRAWING:

SHEET 3 OF 3

TOWN OF WASHINGTON