

ONE STAGE(PRELIMINARY/FINAL) SITE PLAN SET
FOR
SINGLE FAMILY HOME CONSTRUCTION
CARSON RESIDENCE
5610 BUFFALO STREET EXTENSION
TOWN OF CANANDAIGUA
ONTARIO COUNTY -- STATE OF NEW YORK

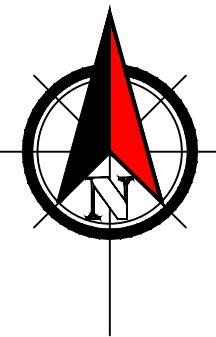
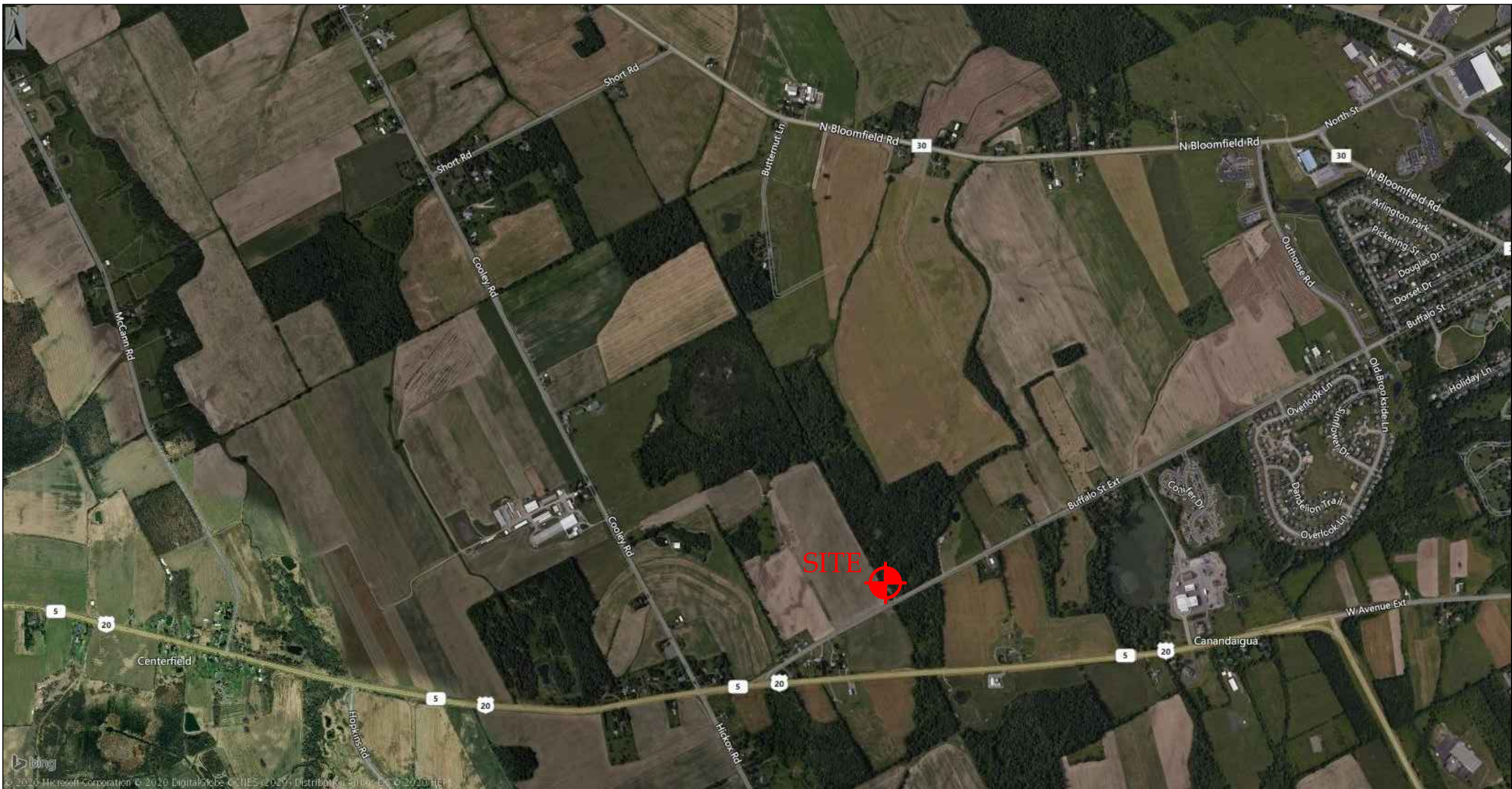
SHEET INDEX:

C-0	COVER SHEET
C-1	SITE PLAN

ZONING CHART

TOWN OF CANANDAIGUA
ZONING DISTRICT: AGRICULTURAL RURAL RESIDENTIAL DISTRICT
(AR-2)

	REQUIRED	EXISTING	PROVIDED
MIN LOT AREA (AREA TO ROW)	2 ACRES	30 ACRES	NO CHANGE
MIN LOT WIDTH	200'	383.88'	NO CHANGE
MIN FRONT YARD SETBACK	60'	N/A	793.4'
MIN SIDE YARD SETBACK	25'	N/A	148.2'
MIN REAR YARD SETBACK	40'	N/A	445.5'
MAX BUILDING HEIGHT	35 FT	N/A	35 FT MAX
MAX BUILDING COVERAGE	20%	N/A	0.5%
SITE DISTURBANCE	30,000 SQ FT		



GENERAL NOTES

1. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN IS BASED ON AVAILABLE RECORD INFORMATION AND A FIELD INSTRUMENT SURVEY.
2. UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. ACTUAL LOCATION SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITY SERVICES THROUGHOUT CONSTRUCTION. CONTACT U.F.P.O. AT 1-800-962-7962 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
3. NO CHANGES ARE TO BE MADE TO THIS DESIGN WITHOUT PRIOR APPROVAL.
4. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
5. PROPOSED LIGHTING TO BE COORDINATED WITH THE ARCHITECT AND OWNER. LIGHTING SHALL BE DARK SKY COMPLIANT (PER CHAPTER 220, SECTION 77).
6. ELEVATIONS REFERENCE NAVD88 DATUM
7. PORTION OF LANDS OF LOT 2 FALL WITHIN THE TOWN OF CANANDAIGUA NRI DISTRICT (FORESTED AREAS)
8. FLOOD ZONES X PER COMMUNITY PANEL NO. 360598 0015 C LAST DATED MARCH 3, 1997.

AERIAL LOCUS
NOT TO SCALE

ONE STAGE SITE PLAN APPROVAL

PLANNING BOARD CHAIRPERSON _____ DATE _____

NOTE:
NO BUILDING PERMIT MAY BE ISSUED UNTIL FINAL SITE PLAN APPROVAL
HAS BEEN GRANTED AND THE FINAL SITE PLAN SIGNED BY THE
PLANNING BOARD CHAIRPERSON.

FOR PERMITTING ONLY

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to a map bearing a Licensed
Professional Engineer's or
Professional Land Surveyor's seal in
any way is a Violation of Section 7209

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5120 Laura Lane

Legend

✕ Iron pin or pipe found	▲ P.K. nail found
✕ Iron pin set	▲ P.K. nail set
⊙ Drill hole	⊠ Concrete Monument
~ Utility pole	⊕ Benchmark
— E/T	— Utility lines
— E/T	— ROW line
—	— Property lines

Canandaigua New York, 14424

Centerline

Revisions

NO.	Date	Description	By



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Drawing Title:

SITE PLAN

CARSON RESIDENCE

5610 Buffalo Street Extension

Town of Canandaigua

County of Ontario

State of New York

File# 18099

Scale 1" = 20'

T.m. # 83.00-1-38.200

Date: 3/23/2020

Sheet:

C-0

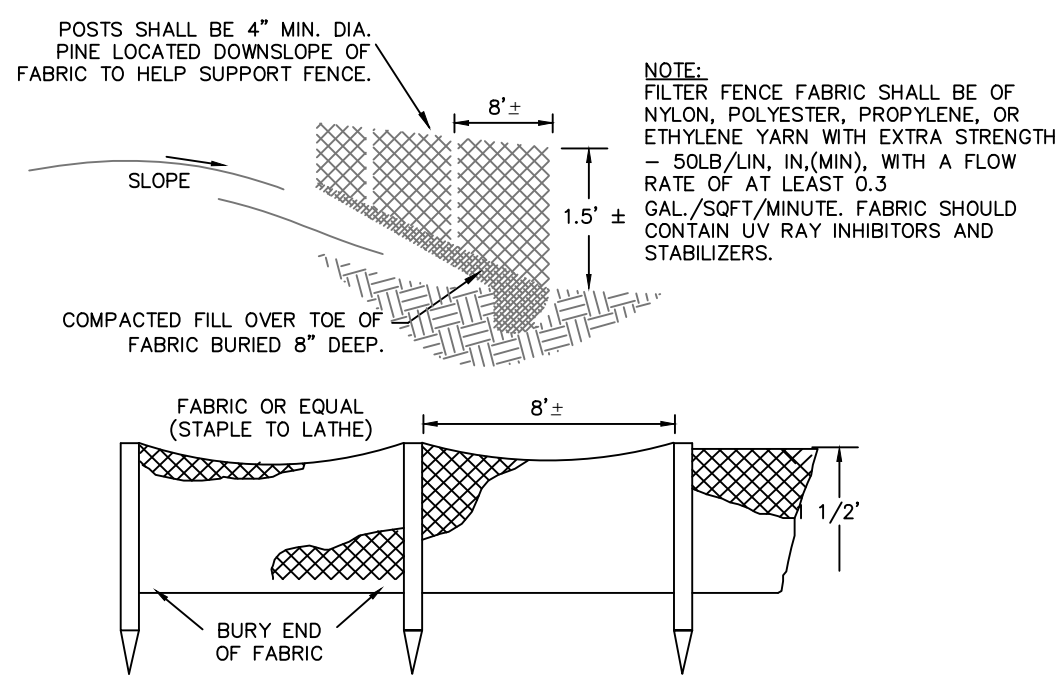
(585)396-3267

Fax. No. (585) 396-0131

E-mail rocco@veneziasurvey.com

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
2. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE LATEST NYSDCE GENERAL PERMIT AND THE TOWN REQUIREMENTS REGARDING MAINTENANCE AND CONTROL OF STORM WATER QUALITY AND QUANTITY.
3. ALL SWPPP'S ARE REQUIRED TO BE REVIEWED AND APPROVED BY THE TOWN CODE AND TOWN ENGINEER. THE TOWN N454 SWPPP ACCEPTANCE FORM IS TO BE COMPLETED AND INSUBMITTED TO THE TOWNSWEEP PRIOR TO CONSTRUCTION.
4. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP, INCLUDING FILING OF THE "NOTICE OF INTENT" (NOI). A COPY OF THE NYSDCE ACKNOWLEDGMENT LETTER IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE AND TOWN ENGINEER PRIOR TO CONSTRUCTION.
5. A COPY OF THE PROJECT SWPPP IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE, TOWN ENGINEER, AND A COPY IS TO REMAIN ON SITE DURING CONSTRUCTION AT ALL TIMES IN A MARKED AND ACCESSIBLE LOCATION.
6. ANY MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, INCLUDING ANY SEQUENCE AND/OR SWPPP CHANGES, REQUIRING RE-EVALUATION OF EROSION CONTROL MEASURES AND STORM WATER MANAGEMENT AREAS, SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA AND DOCUMENTED WITHIN THE PROJECT SWPPP.
7. THE OWNER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSED PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC). ALL SWPPP INSPECTIONS ARE TO BE IN A FORM ACCEPTABLE BY THE TOWN OF CANANDAIGUA AND FORWARDED TO OWNER, THE TOWN CODE, TOWN ENGINEER, AND A COPY PLACED WITHIN THE ONSITE PROJECT SWPPP.
8. THE OWNER IS RESPONSIBLE FOR PROVIDING ONSITE SWPPP INSPECTIONS BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) DURING CONSTRUCTION ONCE PER WEEK (EVERY 7 DAYS) IF UNDER 5-ACRES OF DISTURBANCE AND TWICE PER WEEK (EVERY 7 DAYS) IF 5-ACRES OR MORE WITH RECEIPT OF A 5-ACRE WAIVER FROM THE TOWN OF CANANDAIGUA (MS4).
9. DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 10 ACRES OF LAND SHALL BE SUBJECT TO THE TOWN OF CANANDAIGUA SWPPP OBSERVATIONS REQUIRED BY THE LATEST GENERAL PERMIT WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR, THE WATERSHED PROGRAM MANAGER AND THE TOWN CODE ENFORCEMENT OFFICE.
10. CONSTRUCTION SEQUENCE: ALL PLANS ARE TO BE PROVIDED WITH A CONSTRUCTION SEQUENCE AND EROSION CONTROL MEASURES TO BE COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE-CONSTRUCTION MEETING.
11. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE TOWN OF CANANDAIGUA.
12. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEAN-UP, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED, INSPECTED BY THE TOWN OF CANANDAIGUA, AND ISSUANCE OF THE LETTER OF TERMINATION OF THE SWPPP TO THE NYSDCE.
13. ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
14. NO SITE PREPARATION SHALL COMMENCE UNTIL A VISUAL INSPECTION BY THE TOWN OF CANANDAIGUA, CONFIRMS THE INSTALLATION OF PERIMETER SEDIMENT CONTROL MEASURES AND THE STORM WATER CONSTRUCTION ENTRANCE.
15. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.
16. ALL SITE STABILIZATION IS TO BE IN ACCORDANCE WITH THE LATEST VERSIONS OF THE NYSDCE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND THE NYSDCE GENERAL PERMIT REQUIREMENTS (WHERE APPLICABLE).
17. ADDITIONAL TEMPORARY AND PERMANENT SEEDING AND SITE STABILIZATION REQUIREMENTS:
 - A. ALL DISTURBED AREAS INCLUDING TOPSOIL, ROCKPILES AND STORMWATER MANAGEMENT FACILITIES ARE TO BE STABILIZED WITHIN SEVEN (7) DAYS AFTER COMPLETION.
 - B. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:
 - THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER.
 - FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET).
 - A PHOSPHORUS SHALL BE USED UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY HORTICULTURAL TESTING LAB AND THE SOIL ANALYSIS SPECIFICALLY RECOMMENDS A PHOSPHORUS DEFICIENCY THAT IS HARMFUL OR WILL PREVENT NEW LAWS AND PLANTINGS FROM ESTABLISHING PROPERLY.
 - SOIL TESTING FOR A PHOSPHORUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHORUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST REPORT.
 - THE FOLLOWING SEED MIX SHALL BE USED
 - SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.
 - C. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:
 - SEEDING RATE: 6.0 POUNDS PER 1,000 SQUARE FEET
 - MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYRDO SEEDING METHOD AT TWO TONS PER ACRE WITH TACKIFIER.
 - FERTILIZER: FERTILIZER TO BE USED SHALL BE "AROSTOCK" WINTER RYE (CERALE RYE) AT 100 POUNDS PER ACRE.
 - PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE LUTE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.

18. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
19. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD SURVEYS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE DIG SAFE NEW YORK (UPFO) HOTLINE AT 1-800-862-7982 FOR STAKEOUT OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENT TO DETERMINE THE LOCATION TO PERMIT REVISIONS AS REQUIRED TO MEET THE EXISTING CONDITIONS.
20. THE HOMEOWNER WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING INDIVIDUAL LOT EROSION & SEDIMENT CONTROL MEASURES, DURING HOUSE CONSTRUCTION. MEASURES TO BE MAINTAINED UNTIL FINAL LOT LAWN GRASSING AND SITE IS FULLY STABILIZED AND INSPECTED BY THE TOWN OF CANANDAIGUA.
21. ANY ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE TOWN OF CANANDAIGUA OR A REPRESENTATIVE THEREOF SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
22. SEDIMENT CONTROL MEASURES ARE TO BE ESTABLISHED PRIOR TO THE BEGINNING OF EARTHWORK. EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF CANANDAIGUA.
23. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPLACING AND SUBSEQUENTLY REMOVING TEMPORARY EROSION & SEDIMENT CONTROL DEVICES.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ADJOINING PROPERTIES, ROADWAYS, DRAINAGEWAYS AND SINKS OF SLT ACCUMULATION AS NEEDED AND AS DETERMINED/REQUESTED BY THE TOWN OF CANANDAIGUA.
25. ANY FINAL GRADE DEVIATIONS OF HOUSE PAD ELEVATIONS MORE THAN 12 INCHES SHALL BE APPROVED BY THE PLANNING BOARD.



SILT FENCE DETAIL
NOT TO SCALE

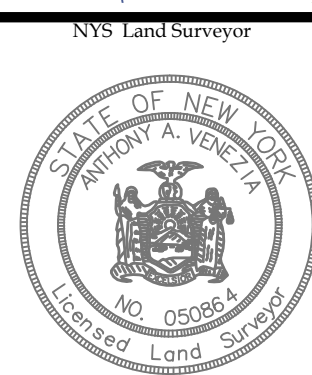
- A. ALL DISTURBED AREAS INCLUDING TOPSOIL STOCKPILES AND STORMWATER MANAGEMENT FACILITIES ARE TO BE STABILIZED WITHIN SEVEN (7) DAYS AFTER COMPLETION.
- B. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:
- THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSEENED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER.
 - FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET).
 - NO PHOSPHORUS SHALL BE USED UNLESS SOIL TESTING HAS BEEN COMPLETED AND INDICATES A HYDROLOGICAL TESTING LAB AND THE SOIL TESTS SPECIFICALLY INDICATE A PHOSPHORUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING.
 - IF SOIL TESTS INDICATE A PHOSPHORUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHORUS SHALL BE APPLIED AT THE RATE SPECIFIED BY THE RECOMMENDED RATE, PRESCRIBED IN THE SOIL TEST FOLLOWING ALL HYDRO REGULATION.
 - THE FOLLOWING SEED MIX SHALL BE USED
 - SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.
- C. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:
- SEEDING RATE: 6.0 POUNDS PER 1,000 SQUARE FEET
 - MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYDRO SEEDING METHOD AT TWO TONS PER ACRE WITH TACKIFIER.
 - FERTILIZER: EARLY WINTER, SEED WITH CERTIFIED "ARROSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE.
 - PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE LUTEITE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.

1. SILT FENCING, EROSION CONTROL MEASURES AND LIMITS OF WORK BOUNDARIES ARE TO BE PLACED PER PLAN. INSTALL CONSTRUCTION ENTRANCE. ESTABLISH STAGING AREAS AND SOIL STOCKPILE AREAS.
2. ESTABLISH PROPOSED DRIVEWAY AREA AND HOUSE BUILDING PAD PER SITE PLAN. INSTALL NEW UTILITY SERVICE CONNECTIONS.
3. INSTALL FOUNDATION/BASEMENT, GRADE, STABILIZE DRIVEWAY.
4. BEGIN HOUSE FRAMING.
5. REMOVE EROSION CONTROLS AND CEASE MONITORING ONLY AFTER APPROVAL HAS BEEN GRANTED BY THE TOWN OF CANANDAIGUA AND/OR THEIR PROJECT REPRESENTATIVE.

NOTES:
- ACTUAL ON-SITE CONDITIONS MAY PRECIPITATE A NEED TO REVISE THE
PROJECTED SEQUENCING LISTED ABOVE.



■ Canandaigua New York, 14424

[illegible]

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SITE PLAN

CARSON RESIDENCE
5610 Buffalo Street Extension
Town of Canandaigua
County of Ontario State of New York

■ (585)396-3267

• (585)396-3267 ————— Fax. No. (585) 396-0131 —

• (585)396-3267 ————— Fax. No. (585) 396-0131 —

PLANNING BOARD CHAIRPERSON	DATE
----------------------------	------

NOTE:
NO BUILDING PERMIT MAY BE ISSUED UNTIL FINAL SITE PLAN APPROVAL
HAS BEEN GRANTED AND THE FINAL SITE PLAN SIGNED BY THE
PLANNING BOARD CHAIRPERSON.

File# 18099

Scale 1" = 20'

T.m. # 83.00-1-38.200

Date: 3/23/2020

Sheet:

C-1

ON-SITE WASTEWATER TREATMENT (SEPTIC) SYSTEM

Shallow Trench Absorption System

Four Bedroom Single Family Home

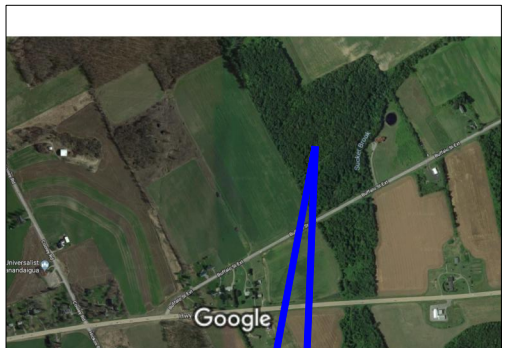
Prepared For:
Jeff Carson

Site Location:
Part of 5600 Buffalo Street Ext.

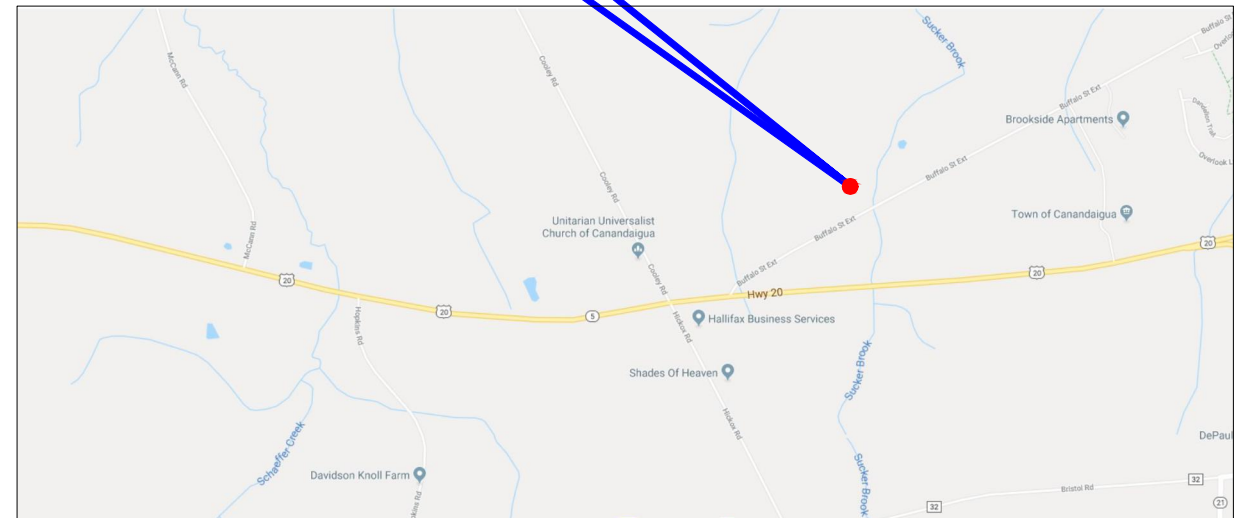
(T) Canandaigua, Ontario County, New York
Part of Tax Map ID No. 83.00-1-25.112

Prepared By:
McCormick Engineering P.C.

294 Skuse Road Geneva, NY 14456
Tel: 585-721-7219
E-Mail: JTMccormickPE@aol.com



PROJECT SITE



DRAWING NO.	DRAWING TITLE
C-1.0	SEPTIC SYSTEM BASIS OF DESIGN
C-1.1	SEPTIC SYSTEM BASIS OF DESIGN
C-2.0	OVERALL SITE PLAN
C-2.1	ENLARGED SITE PLAN
C-3.0	SEPTIC SYSTEM DETAILS 1 OF 3
C-4.0	SEPTIC SYSTEM DETAILS 2 OF 3
C-5.0	SEPTIC SYSTEM DETAILS 3 OF 3
C-6.0	SYSTEM PROFILE

CALL DIG SAFELY
NEW YORK
48 HOURS BEFORE
DIGGING OR
DRIVING POSTS
@ 811

License No.: 076842

PN 18-219
July 23, 2018
REVISED 05oct18
REV 2 01APR20

THE FOLLOWING PRESENTS THE BASIS OF DESIGN FOR THE ON SITE WASTEWATER TREATMENT SYSTEM.
AREA TO BE SERVED: RESIDENTIAL – FOUR BEDROOM SINGLE FAMILY HOME
DESIGN FLOW: 520 GPD (4 BEDROOMS X 130 GPD/BEDROOM) NO GARBAGE DISPOSAL/NO GARDEN TUB
SITE CHARACTERISTICS: DEPTH TO GROUNDWATER/IMPERMEABLE LAYER – 4’, SITE SLOPE LESS THAN 10%
POTABLE WATER FROM A PRIVATE GROUNDWATER WELL

ON–SITE TESTS

PERCOLATION TESTS AND DEEP HOLE TEST COMPLETED BY JASON MCCORMICK, PE, MCCORMICK ENGINEERING
PC. TESTS COMPLETED ON JULY 18, 2018

PERC TEST

<u>HOLE</u> (MARK)	<u>DEPTH OF HOLE</u> (INCH)	<u>PERCOLATION RATE</u> (MIN/INCH)			
		RUN 1	RUN 2	RUN 3	RUN 4
PT–1	24	22	26	28	29
PT–2	24	25	28	28	29
PT–3	24	19	25	27	26

DESIGN PERC RATE OF 21–30 MIN/INCH (APPLICATION RATE – 0.60 GAL/DAY/SF)

DEEP HOLE (DUE TO LIITED SITE ACCESS, AN AUGER WAS USED FOR DEEP HOLE TEST) (MARK DH1)

<u>DEPTH</u>	<u>SOIL CONDITION</u>
0”–8”	TOPSOIL
8”–34”	LOAM WITH SOME STONES AND ROOTS
34”–64”	LOAM WITH NO ROOTS, FEW STONES

DEPTH TO IMPERMEABLE LAYER – GREATER THAN 5’–0”

DEPTH TO GROUNDWATER OR MOTTLING – 4’–0” GROUNDWATER WAS OBSERVED

A SECOND DEEP HOLE TESTED WAS EXCAVATED WITH A MINI EXCAVATOR ON SEPTEMBER 6, 2018 (MARK DH2)

<u>DEPTH</u>	<u>SOIL CONDITION</u>
0”–11”	TOPSOIL
11”–48”	LOAM WITH SOME STONES AND ROOTS
48”–63”	LOAM WITH NO ROOTS, WET, FEW STONES

DEPTH TO IMPERMEABLE LAYER – GREATER THAN 5’–0”

DEPTH TO GROUNDWATER OR MOTTLING – 4’–1” MOTTLING WAS OBSERVED

HOUSE WAS RELOCATED SO ADDITIONAL ON–SITE TESTING WAS COMPLETED

PERCOLATION TESTS AND DEEP HOLE TEST COMPLETED BY JASON MCCORMICK, PE, MCCORMICK ENGINEERING
PC. TESTS COMPLETED ON APRIL 2, 2020

PERC TEST

<u>HOLE</u> (MARK)	<u>DEPTH OF HOLE</u> (INCH)	<u>PERCOLATION RATE</u> (MIN/INCH)			
		RUN 1	RUN 2	RUN 3	RUN 4
PT–A	24	24	27	29	29
PT–B	24	24	26	27	28
PT–C	24	26	27	29	29

DESIGN PERC RATE OF 21–30 MIN/INCH (APPLICATION RATE – 0.60 GAL/DAY/SF)

DEEP HOLE (MARK DHA)

<u>DEPTH</u>	<u>SOIL CONDITION</u>
0”–9”	TOPSOIL
9”–38”	LOAM WITH SOME STONES AND ROOTS
38”–66”	LOAM WITH NO ROOTS, FEW STONES

DEPTH TO IMPERMEABLE LAYER – GREATER THAN 5’–0”

DEPTH TO GROUNDWATER OR MOTTLING – 4’–2” GROUNDWATER WAS OBSERVED

A SHALLOW TRENCH SYSTEM (12” OF FILL + 6” TOPSOIL) IS RECOMMENDED.
DURING CONSTRUCTION, CONTRACTOR SHALL CONFIRM SOILS ARE CONSISTENT WITH THE PERC AND DEEP HOLE
TESTS. MCCORMICK ENGINEERING PC SHALL BE NOTIFIED IMMEDIATELY OF ANY DIFFERENCES.

SEPTIC TANK

1. A 1,250 GALLON DUAL CHAMBER, PRE–CAST CONCRETE SEPTIC TANK SHALL BE INSTALLED SUCH THAT IT WILL RECEIVE THE DISCHARGE FROM THE NEW HOME.
2. CONTRACTOR SHALL CONFIRM DIMENSIONS OF SEPTIC TANK PRIOR TO EXCAVATION.
3. SEPTIC TANKS SHOULD BE PUMPED OUT EVERY TWO TO THREE YEARS.
4. SEPTIC TANK ADDITIVES (BIOLOGICAL OR CHEMICAL) SHOULD NOT BE USED.

EFFLUENT FILTER (RECOMMENDED)

A ZABEL FILTER (MODEL A1800–4X18) SHALL BE INSTALLED ON THE EFFLUENT PIPE OF THE SEPTIC TANK

ABSORPTION SYSTEM – SHALLOW TRENCH

THE ABSORPTION SYSTEM WAS DESIGNED BASED ON THE NYSDOH RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS DESIGN HANDBOOK, 2012.

TRENCH LENGTH

APPLICATION RATE: 0.60 GPD PER SQ FT
(TABLE 6 – APPLICATION RATES FOR NONSTANDARD FLOWS)

REQUIRED AREA = 520 GPD / 0.60 GPD PER SQ FT = 867 SQ FT

REQUIRED LENGTH OF 2’ WIDE TRENCH: 434 FEET

PROPOSED CONFIGURATION: (8) 2’ WIDE BY 60’ LONG TRENCHES (TOTAL LENGTH = 480 FT)

TAPER

A TAPER SHALL BE INSTALLED AROUND THE RAISED AREA. THE TAPER SHALL HAVE A MAXIMUM SLOPE OF 1V:3H

FILL MATERIAL

USABLE FILL SHALL HAVE A PERC RATE BETWEEN 21–30 MINUTES PER INCH AND SHALL BE SANDY LOAM SOIL. A PERC TEST SHALL BE CONDUCTED AT THE BURROW SITE TO CONFIRM PERC RATE PRIOR TO PLACEMENT. A SECOND PERC TEST SHALL BE CONDUCTED ON THE SOIL AFTER IT HAS BEEN PLACED AND STABILIZED AT THE SITE. STABILIZE RAISED BED FILL MATERIAL BY MEANS OF MECHANICAL COMPACTION IN 6” LIFTS OR THROUGH A PERIOD OF 6 MONTHS INCLUDING A FREEZE–THAW CYCLE. MECHANICAL COMPACTION SHALL BE ACHIEVED VIA

Jeff Carson

Site Location:

Part of 5600 Buffalo St. Ext.

(T) Canandaigua, Ontario County, New York
Part of Tax Map ID No. 83.00–1–25.112

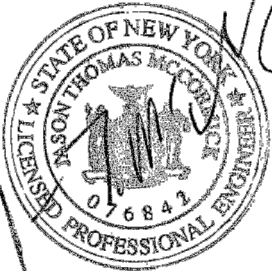
Prepared By:

McCormick Engineering P.C.

294 Skuse Road Geneva, NY 14456

Tel: 585–721–7219

E–Mail: JTMccormickPE@aol.com



License No.: 076842

SEPTIC SYSTEM BASIS OF DESIGN

Date: 04/01/20

Drawing No.:

C–1.0

SEPARATION REQUIREMENTS

MINIMUM SEPARATION DISTANCES FROM THE ABSORPTION FIELD.

- 1. 100 FEET FROM ALL GROUNDWATER WELLS LOCATED UPHILL OF THE SYSTEM
- 2. 200 FEET FROM ALL GROUNDWATER WELLS LOCATED DOWNHILL OF THE SYSTEM
- 3. 20 FEET FROM ALL HOUSES\BUILDINGS
- 4. 10 FEET FROM ALL PROPERTY LINES
- 5. 20 FEET FROM DRAINAGE DITCHES
- 6. 100 FEET FROM ANY SURFACE WATER (PONDS, STREAMS, ETC.)
- 7. ANY DRAINAGE TILE FOUND WITHIN 30’ OF THE ON–SITE WASTEWATER TREATMENT SYSTEM SHALL BE REROUTED.

MINIMUM SEPARATION DISTANCES FROM THE SEPTIC TANK.

- 1. 50 FEET FROM ALL GROUNDWATER WELLS
- 2. 10 FEET FROM ALL HOUSES\BUILDINGS
- 3. 10 FEET FROM ALL PROPERTY LINES
- 4. 10 FEET FROM DRAINAGE DITCHES
- 5. 50 FEET FROM ANY SURFACE WATER (PONDS, STREAMS, ETC.)

ALL SEPARATION REQUIREMENTS SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF SEPARATION REQUIREMENTS CAN NOT BE MET, CONTRACTOR SHALL NOTIFY MCCORMICK ENGINEERING PC AT (585) 721–7219 PRIOR TO CONSTRUCTION.

NOTES:

- 1. REFER TO PIPE SCHEDULE ON THIS DRAWING FOR DETAILS ON SIZE, TYPE AND SLOPE OF PROPOSED PIPING.
- 2. CONTRACTOR SHALL CONFIRM ALL REQUIRED SETBACKS ARE MET PRIOR TO START OF CONSTRUCTION. ANY CONFLICTS SHALL BE REPORTED TO MCCORMICK ENGINEERING PC FOR RESOLUTION.
- 3. BASED ON FIELD INVESTIGATIONS, THE ABSORPTION FIELD MUST BE LOCATED IN THE EXACT SPOT SHOWN ON THE SITE PLAN.
- 4. NO HEAVY EQUIPMENT USE IN THE DESIGNATED ABSORPTION SYSTEM AREA IS ALLOWED TO PREVENT SOIL PERMEABILITY REDUCTION DUE TO COMPACTION AND POSSIBLE TRENCH CAVE–IN AND PIPE BREAKAGE.
- 5. DO NOT INSTALL GARBAGE GRINDERS ON WASTE LINES.
- 6. NON–WASTEWATER FLOWS (SUMPS, ROOF DRAINS, ETC) SHALL NOT BE ADDED TO THE SYSTEM.
- 7. SHALLOW TRENCH LEACH FIELD AREA INCLUDING TAPERS SHALL BE SEEDED AND MAINTAINED AS LAWN

INSPECTIONS

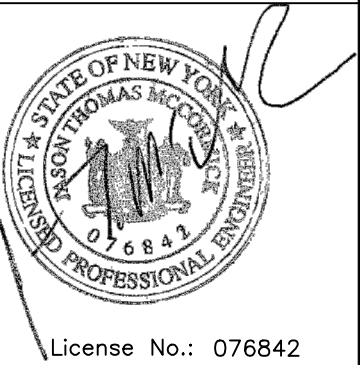
ALL INSTALLATIONS MUST BE INSPECTED AND APPROVED BY MCCORMICK ENGINEERING PC PRIOR TO USE. A MINIMUM OF 48 HOUR NOTICE IS REQUIRED TO SCHEDULE INSPECTIONS.

INSPECTIONS

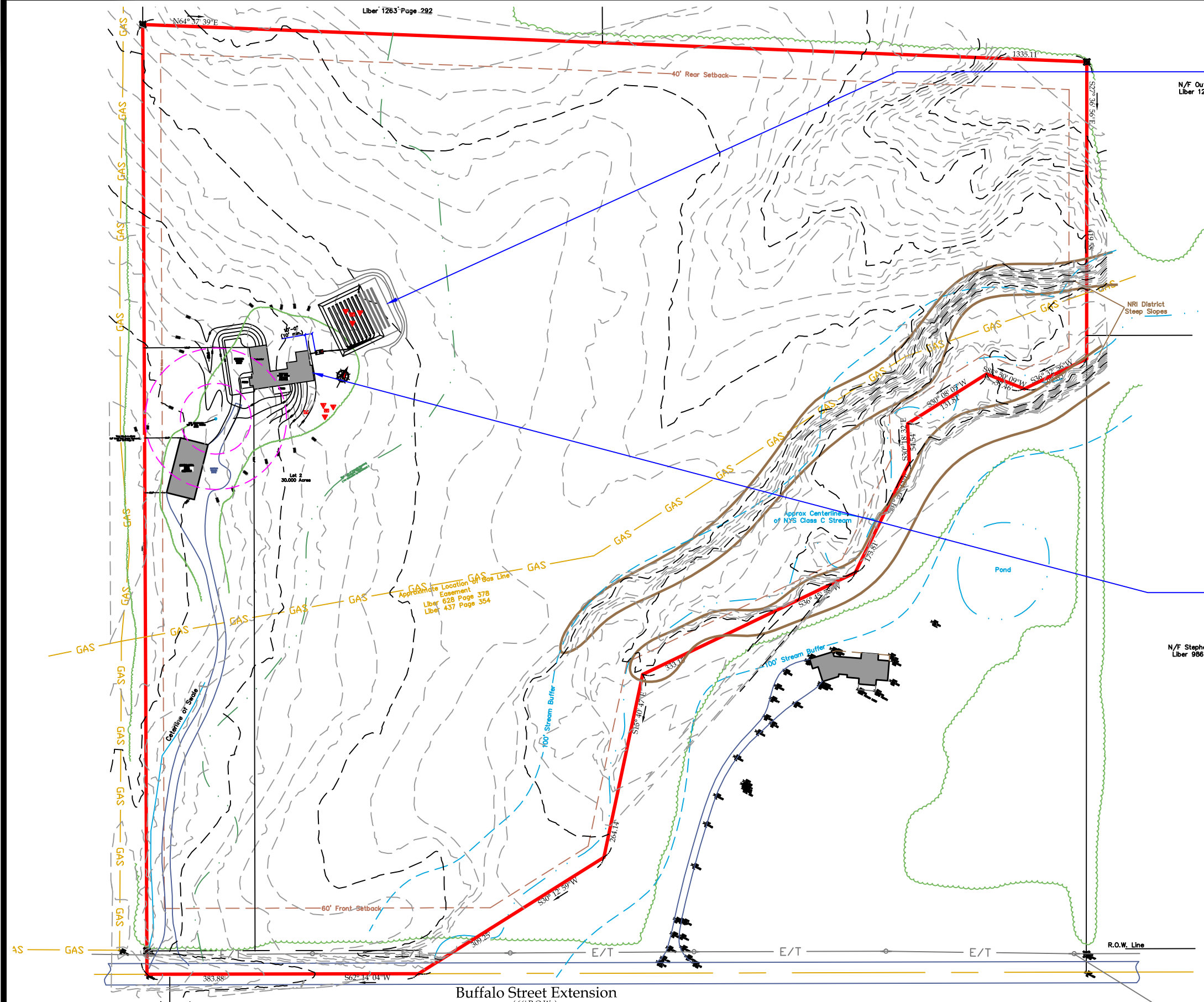
ALL INSTALLATIONS MUST BE INSPECTED AND APPROVED BY MCCORMICK ENGINEERING PC PRIOR TO USE. A MINIMUM OF 72 HOUR NOTICE IS REQUIRED TO SCHEDULE INSPECTIONS.

Jeff Carson
Site Location:
Part of 5600 Buffalo St. Ext.
(T) Canandaigua, Ontario County, New York
Part of Tax Map ID No. 83.00–1–25.112

Prepared By:
McCormick Engineering P.C.
294 Skuse Road Geneva, NY 14456
Tel: 585–721–7219
E–Mail: JTMccormickPE@aol.com



SEPTIC SYSTEM BASIS OF DESIGN



SHALLOW ABSORPTION TRENCH WITH 50% FUTURE EXPANSION AREA.

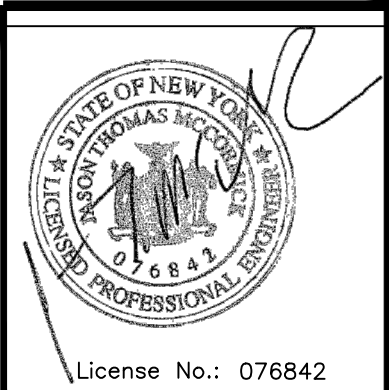
NOTES:

1. REFER TO BASIS OF DESIGN ON DRAWING C-2.0 AND THE PIPE SCHEDULE ON DRAWING C-5.0 FOR ADDITIONAL REQUIREMENTS AND INFORMATION

2. CONTRACTOR SHALL CONFIRM ALL REQUIRED SETBACKS ARE MET PRIOR TO START OF CONSTRUCTION.. ANY CONFLICTS SHALL BE REPORTED TO MCCORMICK ENGINEERING PC FOR RESOLUTION.

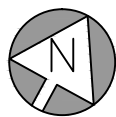
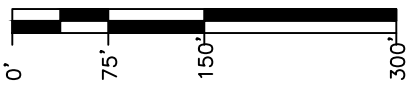
3. THE LOCATIONS OF THE SEPTIC TANK AND DISTRIBUTION BOX SHALL BE FIELD ADJUSTED AS REQUIRED TO MAINTAIN GRAVITY. MINIMUM SEPARATION REQUIRES SHALL BE MAINTAINED.

SINGLE FAMILY HOME - 4 BEDROOMS



SITE PLAN

SCALE: 1" = 150'-0"



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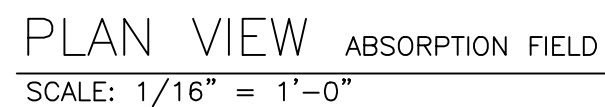
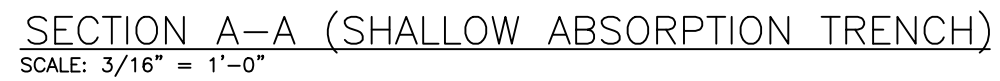
Jeff Carson
Site Location:
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Part of Tax Map ID No. 83.00-1-25.112

OVERALL SITE PLAN

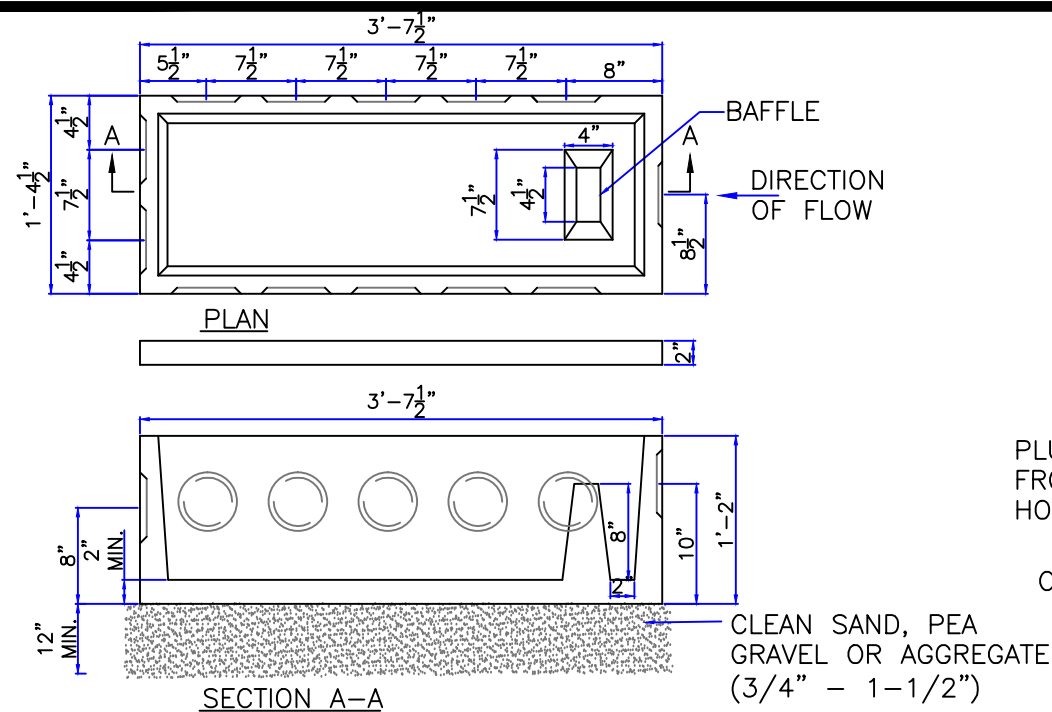
Date: 04/01/20

Drawing No.:

C-2.0



Date: 04/01/20	Drawing No.: C-3.0
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12 OUTLET DISTRIBUTION BOX

NOT TO SCALE

DISTRIBUTION BOX NOTES:

1. PIPE JOINTS TO BE SEALED WITH ASPHALT MATERIAL OR EQUIVALENT.
2. INVERT ELEVATIONS OF ALL OUTLET PIPES SHALL BE EQUAL. SPEED LEVELING DEVICES ARE REQUIRED.

PRECAST CONCRETE SPECIFICATIONS:

CONCRETE: 4,000 P.S.I. @ 28 DAYS.

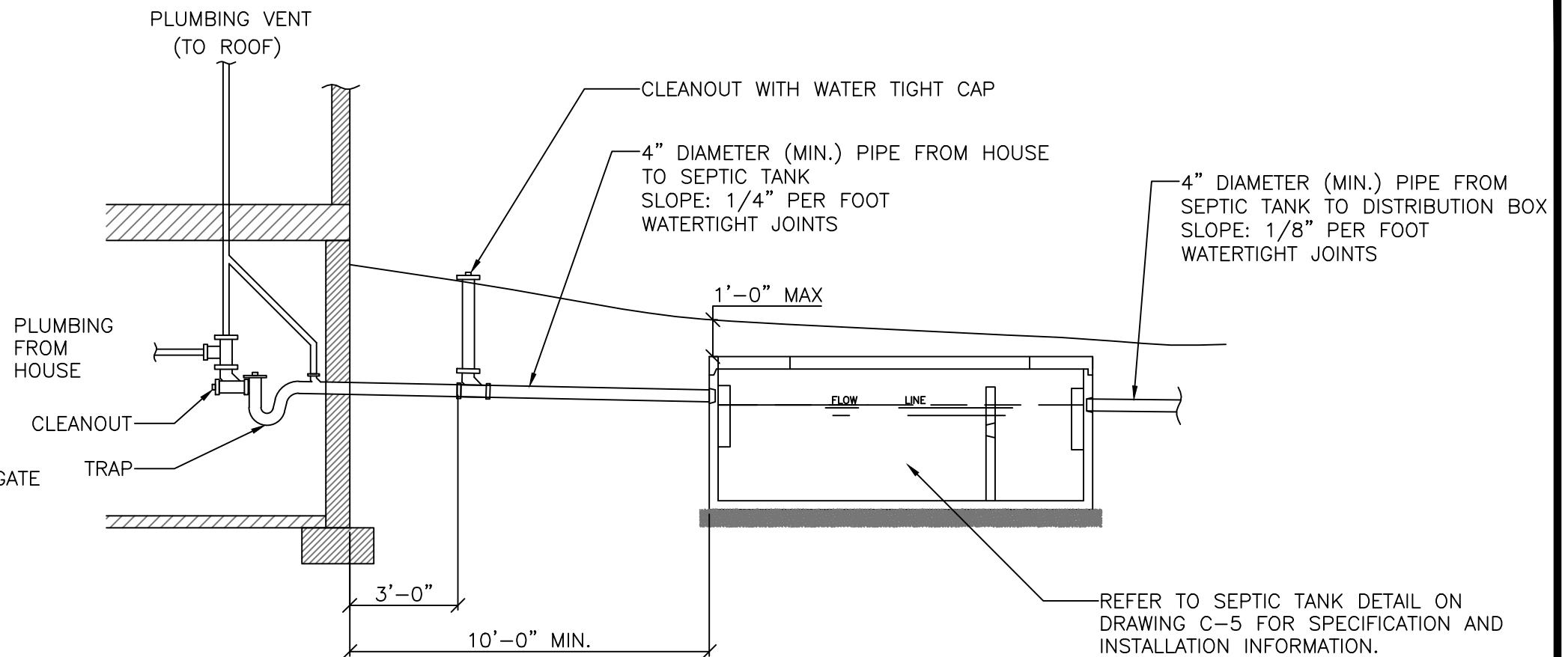
ENTRAINED AIR: 5% - 9%.

STEEL: A.S.T.M. A496-A615
GRADE 60-60 KSI.

DISTRIBUTION BOX SPECIFICATIONS:

DESIGN LOADING: A-0.3/300PSF/WALKWAYS.

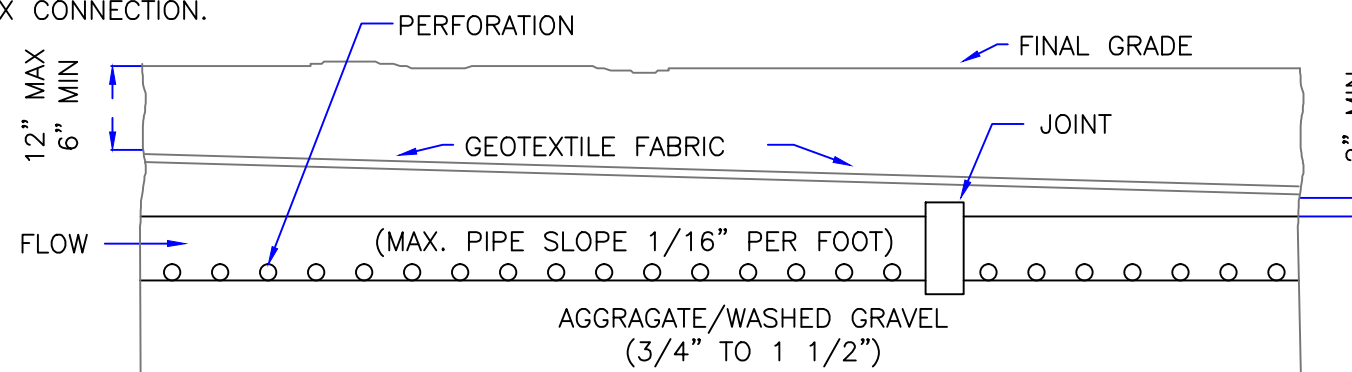
INLET/OUTLETS: LOW PRESSURE POLYETHYLENE
WATERTIGHT PIPE TO BOX CONNECTION.



PLUMBING DETAIL

NOT TO SCALE

NOTE: HOUSE TRAP NOT REQUIRED IF EACH PLUMBING FIXTURE IS INDIVIDUALLY TRAPPED AND VENTED



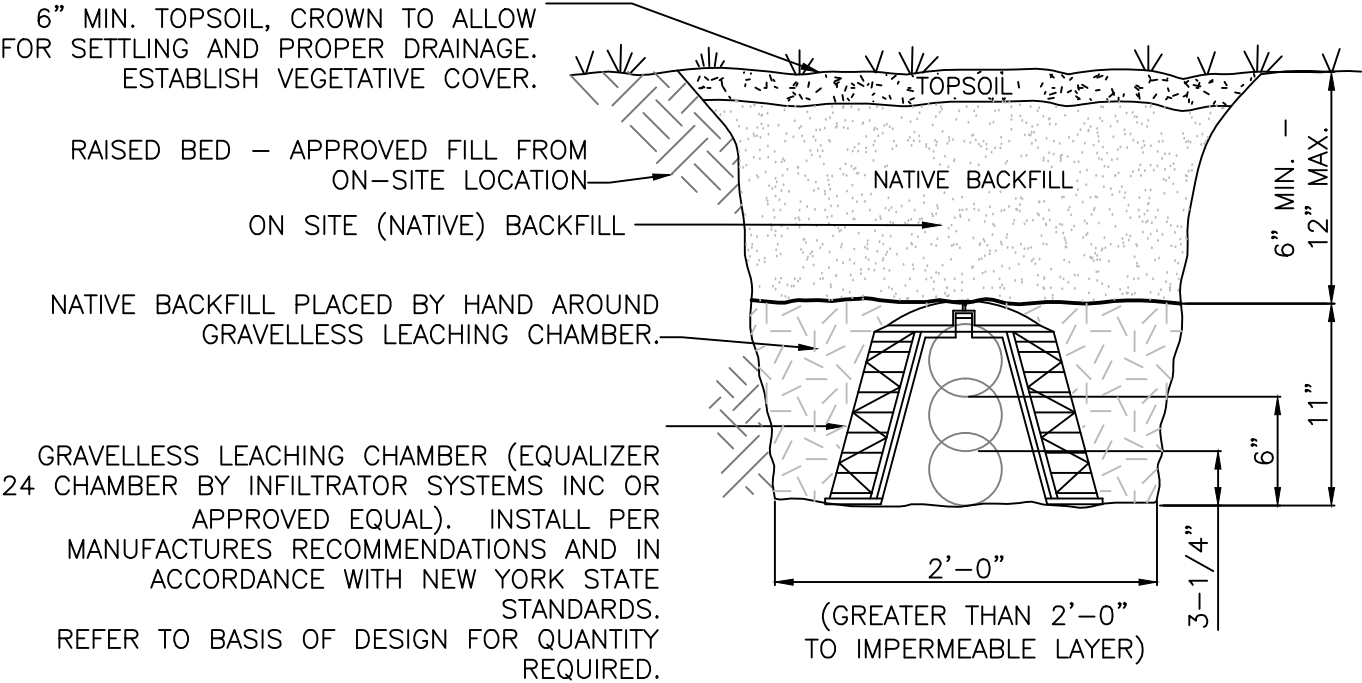
NOTE:

- 1) SPACING OF ABSORPTION TRENCH - 6' O.C.
- 2) ENDS OF ALL DISTRIBUTOR PIPES MUST BE CAPPED.

ABSORPTION TRENCH PROFILE - SECTION B-B

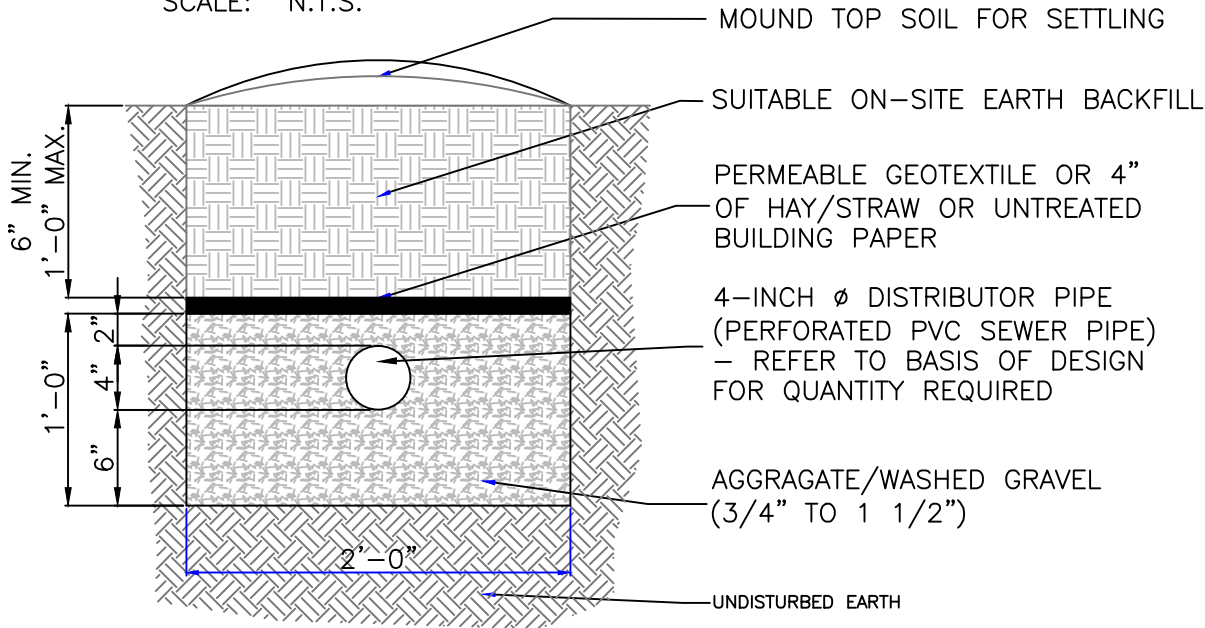
SCALE: N.T.S.

<p>Jeff Carson Site Location: Part of 5600 Buffalo St. Ext. (T) Canandaigua, Ontario County, New York Part of Tax Map ID No. 83.00-1-25.112</p>		
<p>Prepared By: McCormick Engineering P.C. 294 Skuse Road Geneva, NY 14456 Tel: 585-721-7219 E-Mail: JTMccormickPE@aol.com</p>		
<p>SEPTIC SYSTEM DETAILS 2 OF 3</p>		
Date: 04/01/20	Drawing No.:	C-4.0



GRAVELLESS ABSORPTION SYSTEM DETAIL

SCALE: N.T.S.

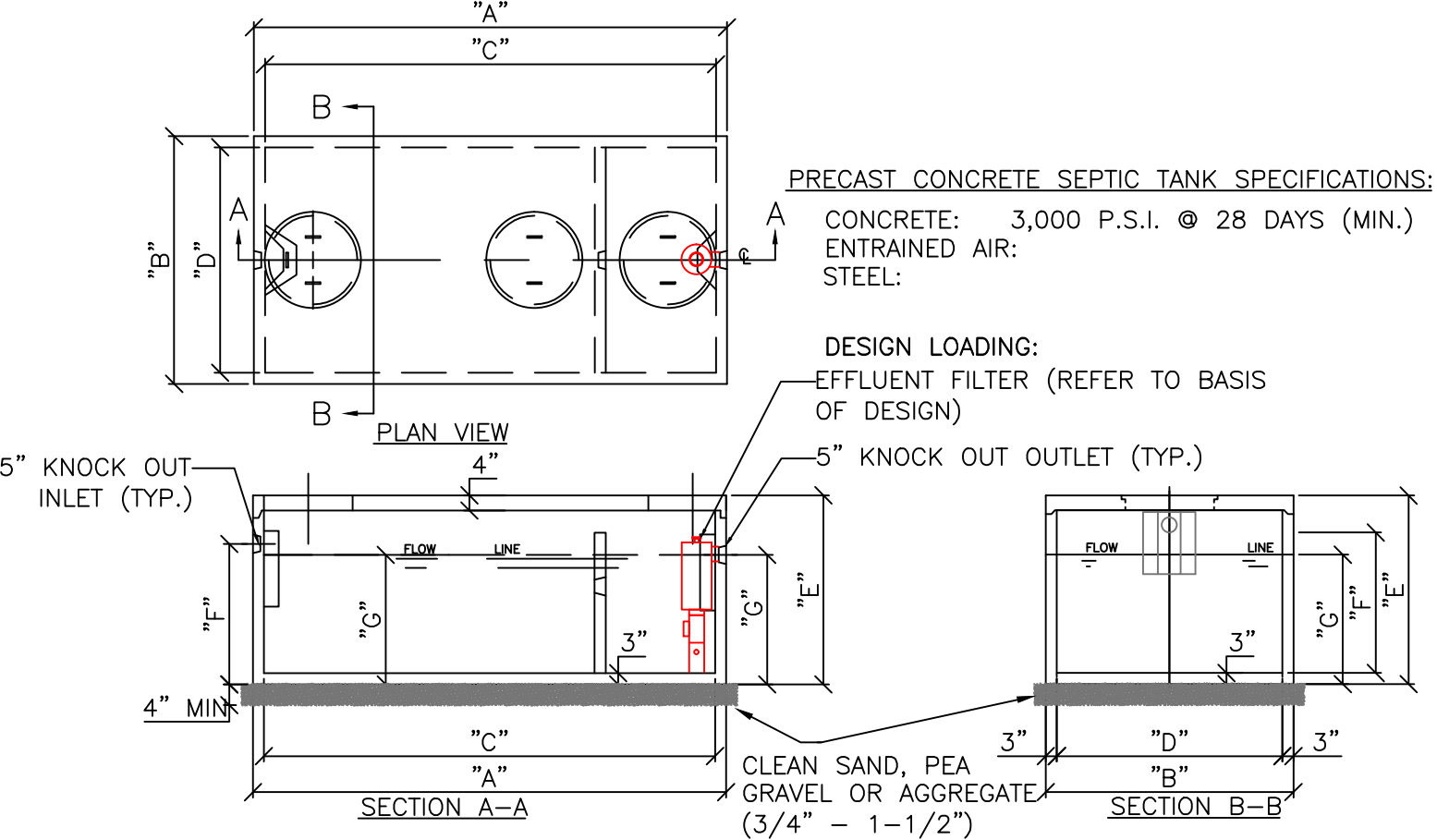


ABSORPTION TRENCH DETAIL

SCALE: 1" = 1'-0"

PIPE SCHEDULE			
LOCATION	SIZE	TYPE	SLOPE
HOUSE TO SEPTIC TANK	4"	PVC SEWER PIPE (SCH. 40) - NON PERFORATED	1/4" PER FOOT (MIN)
SEPTIC TANK TO DISTRIBUTION BOX	4"	PVC SEWER PIPE (SCH. 40) - NON PERFORATED	1/8" PER FOOT (MIN)
DISTRIBUTION BOX TO DISTRIBUTOR PIPE	4"	PVC SEWER PIPE - NON PERFORATED	1/32" (MIN) - 1/8" (MAX) PER FOOT
ABSORPTION TRENCH DISTRIBUTOR PIPE	4"	PVC SEWER PIPE - PERFORATED	1/16" PER FOOT (MAX)
GRAVELLESS LEACHING CHAMBER	OR EQ -24	OR INFILTRATOR EQUALIZER 24	OR LEVEL - 1/16" PER FOOT (MAX)

REFER TO BASIS OF DESIGN FOR REQUIRED LENGTH OF ABSORPTION TRENCH.



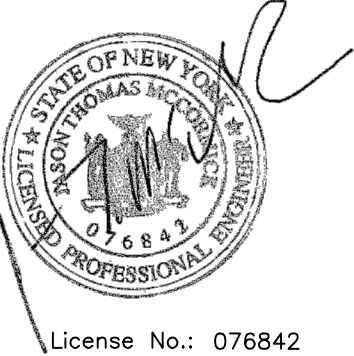
SEPTIC TANK SIZE (GALLONS)	LENGTH O.D. "A"	WIDTH O.D. "B"	LENGTH I.D. "C"	WIDTH I.D. "D"	HEIGHT O.D. "E"	INLET "F"	OUTLET "G"
1,250	129"	68"	123"	62"	59"	46"	43"

- NOTES:
- CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
 - INSTALL A ZABEL FILTER ON OUTLET
 - REFER TO BASIS OF DESIGN NOTES ON DWG C-2 FOR ADDITIONAL INFORMATION.
 - PLACE A MIN. OF 4-INCH OF CLEAN SAND, PEA GRAVEL OR AGGREGATE (3/4" - 1-1/2") UNDER SEPTIC TANK.

SEPTIC TANK DETAIL

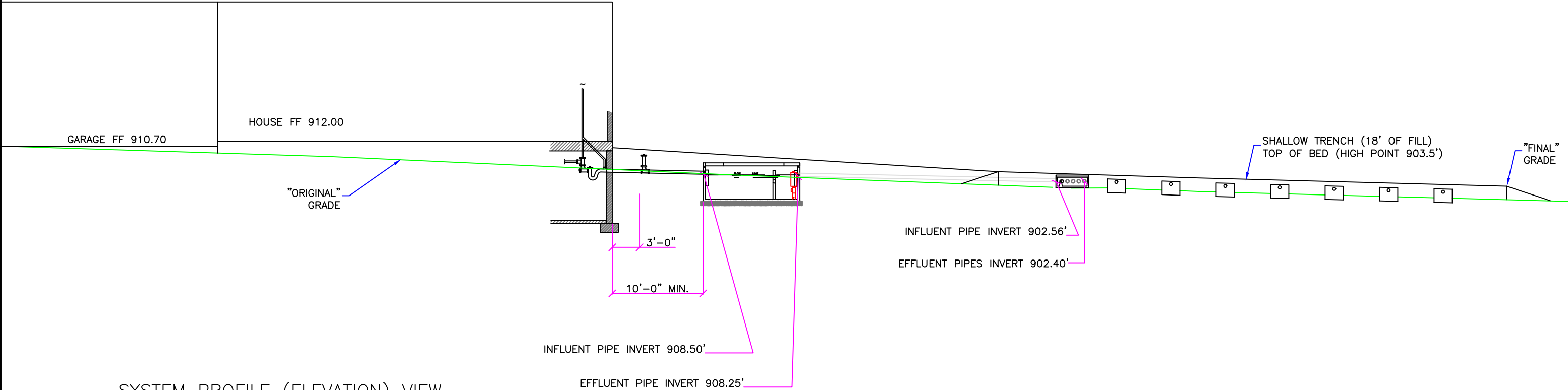
Jeff Carson
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SEPTIC SYSTEM DETAILS 3 OF 3


Date: 04/01/20 Drawing No.: C-5.0

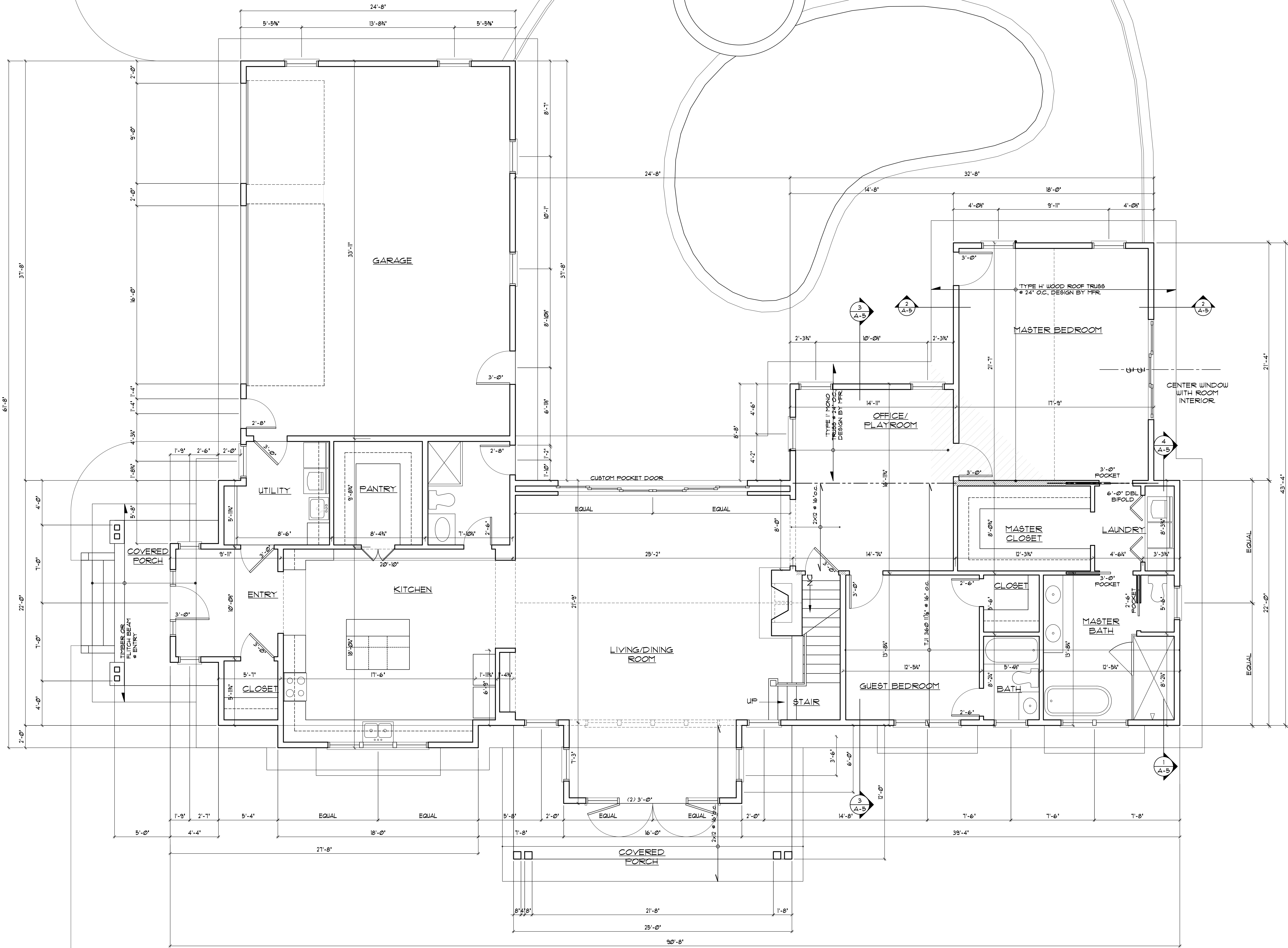


SYSTEM PROFILE (ELEVATION) VIEW
SCALE: 3/32" = 1'-0"

NOTE:

1. REFER TO PIPE SCHEDULE ON DRAWING C-5.0 FOR PIPE SCHEDULE (SIZE AND SLOPE)
2. SHALLOW TRENCH LEACH FIELD AREA INCLUDING TAPERS SHALL BE SEEDED AND MAINTAINED AS LAWN

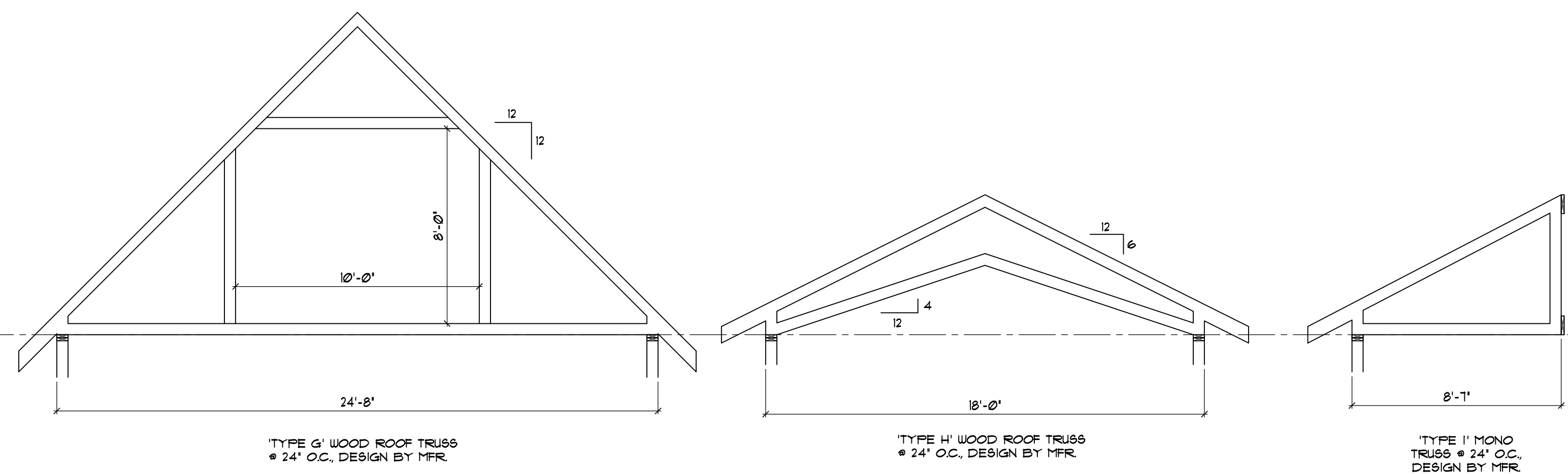
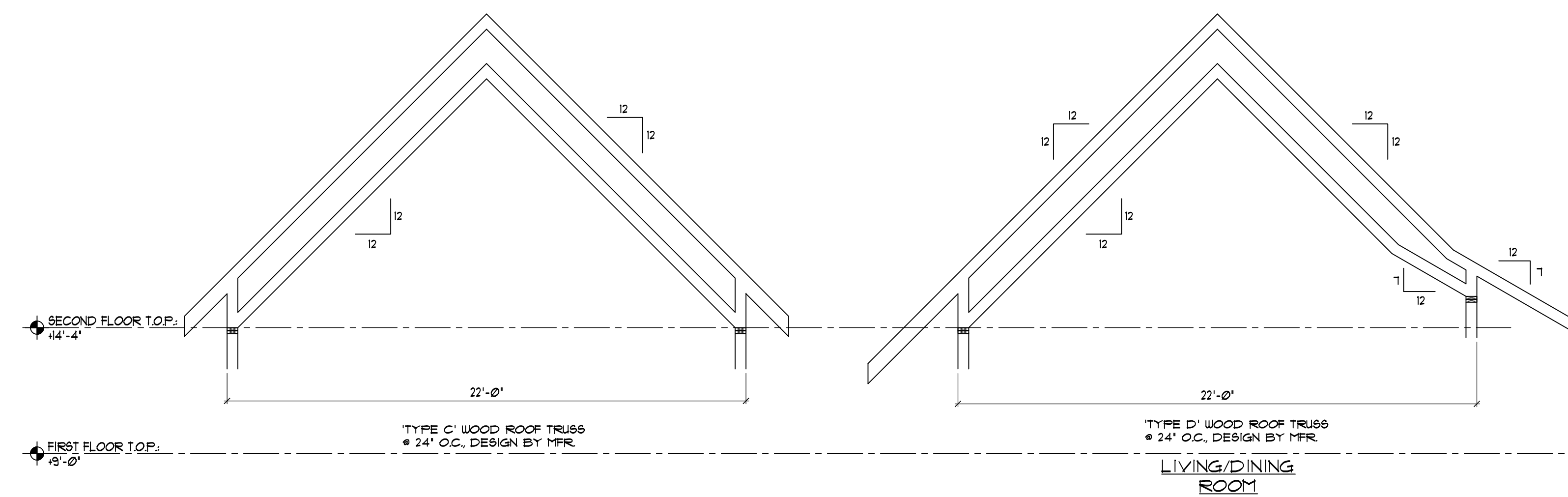
<p>Jeff Carson Site Location: Part of 5600 Buffalo St. Ext. (T) Canandaigua, Ontario County, New York Part of Tax Map ID No. 83.00-1-25.112</p>		 <p>License No.: 076842</p>
<p>Prepared By: McCormick Engineering P.C. 294 Skuse Road Geneva, NY 14456 Tel: 585-721-7219 E-Mail: JTMccormickPE@aol.com</p>		
<p>SYSTEM PROFILE</p>		
Date: 04/01/20	Drawing No.:	C-5.0

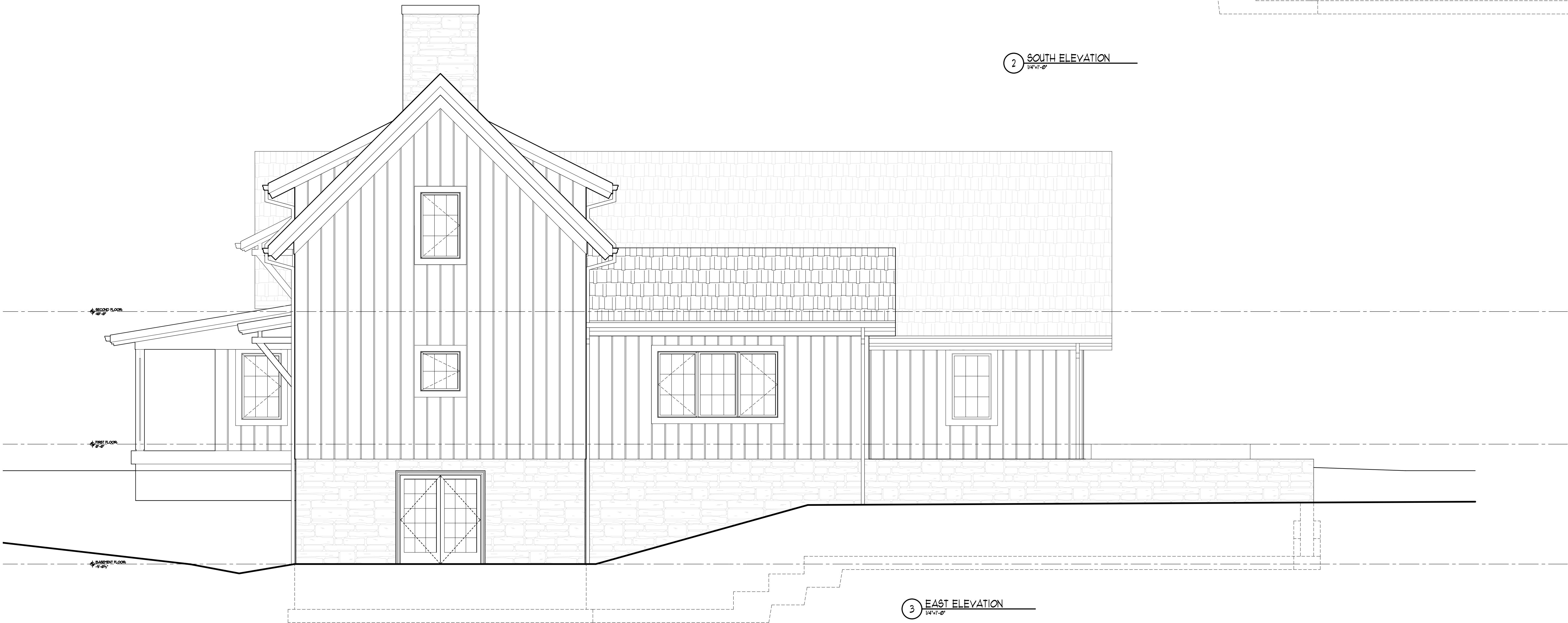


1 FIRST FLOOR PLAN
1/4" = 1'-0"

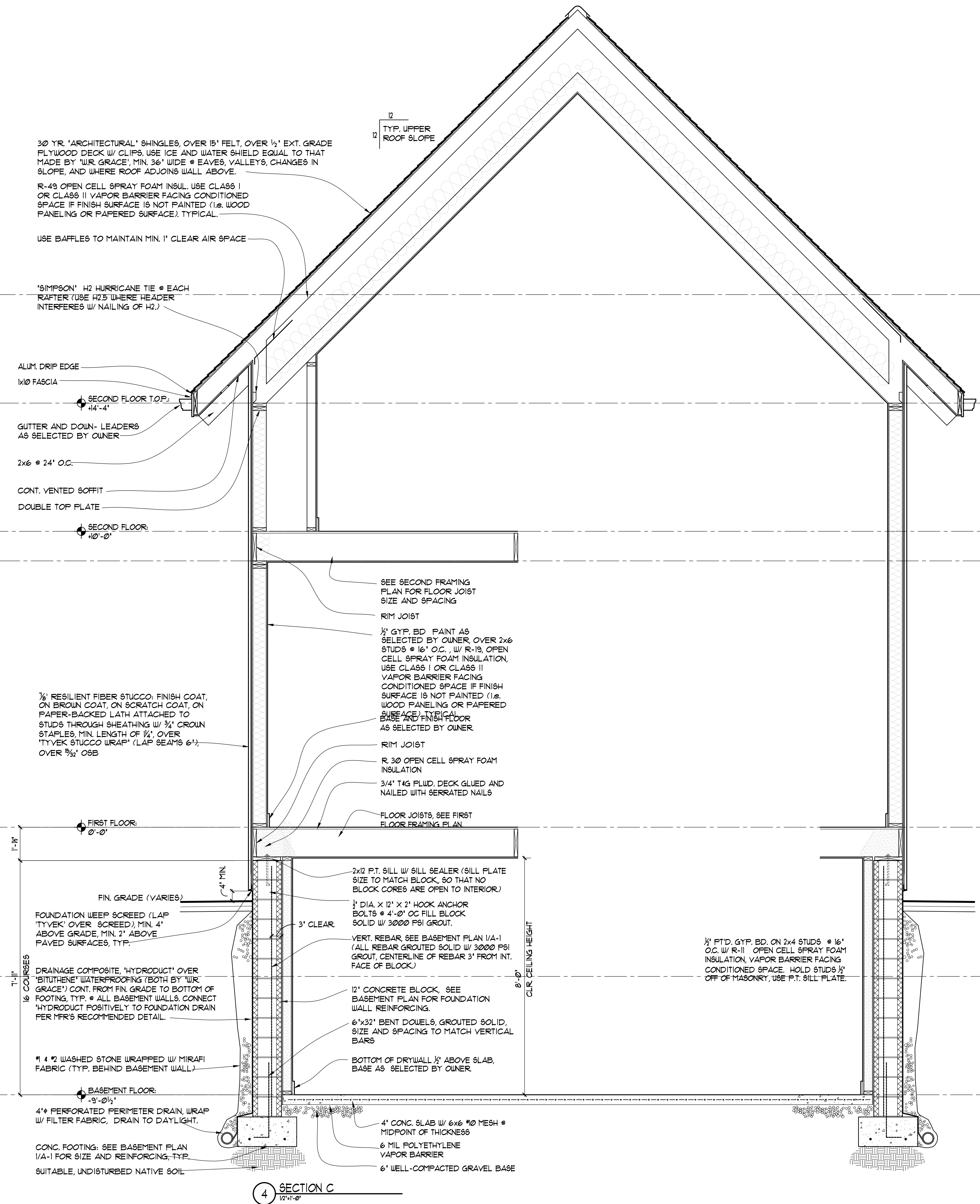
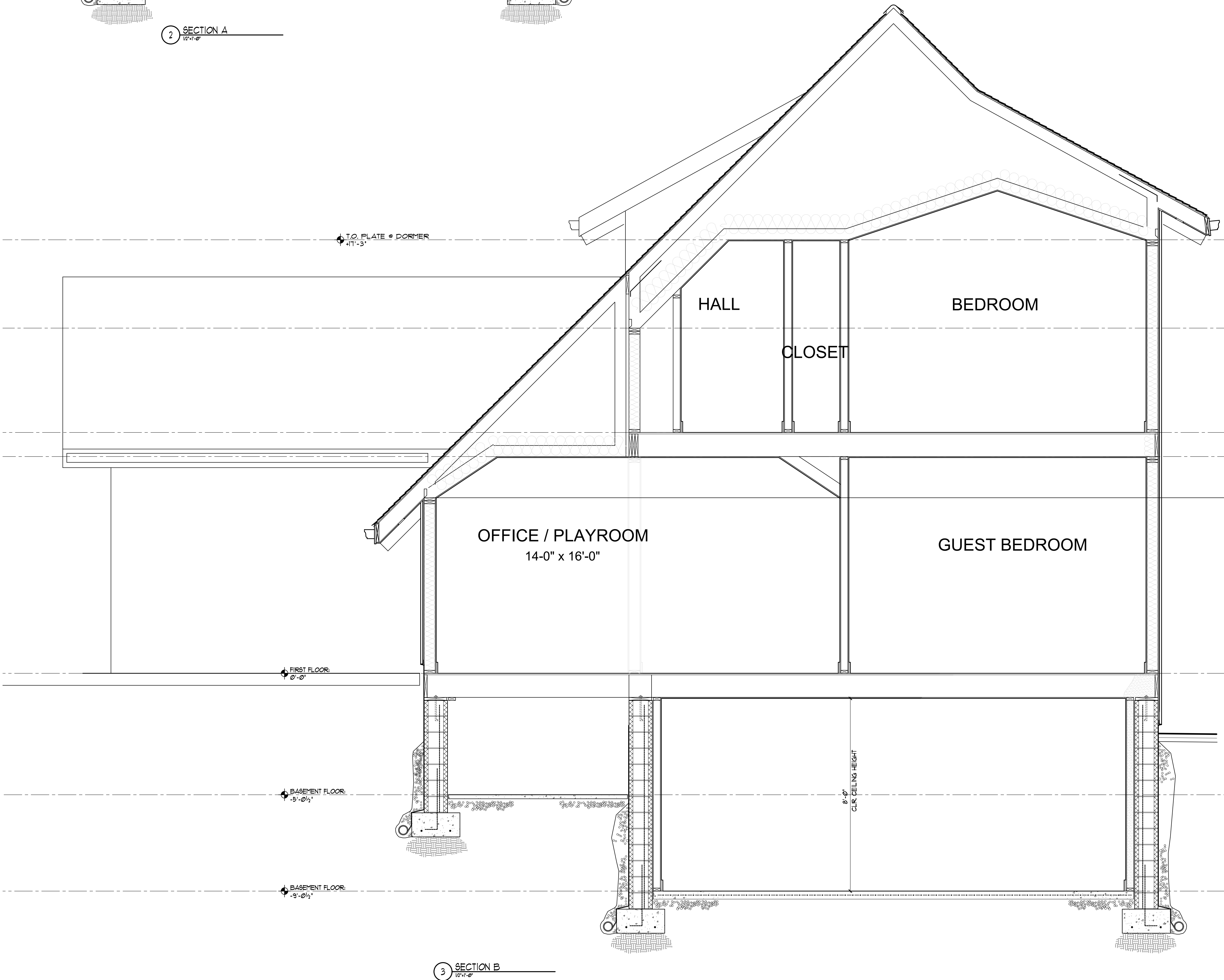
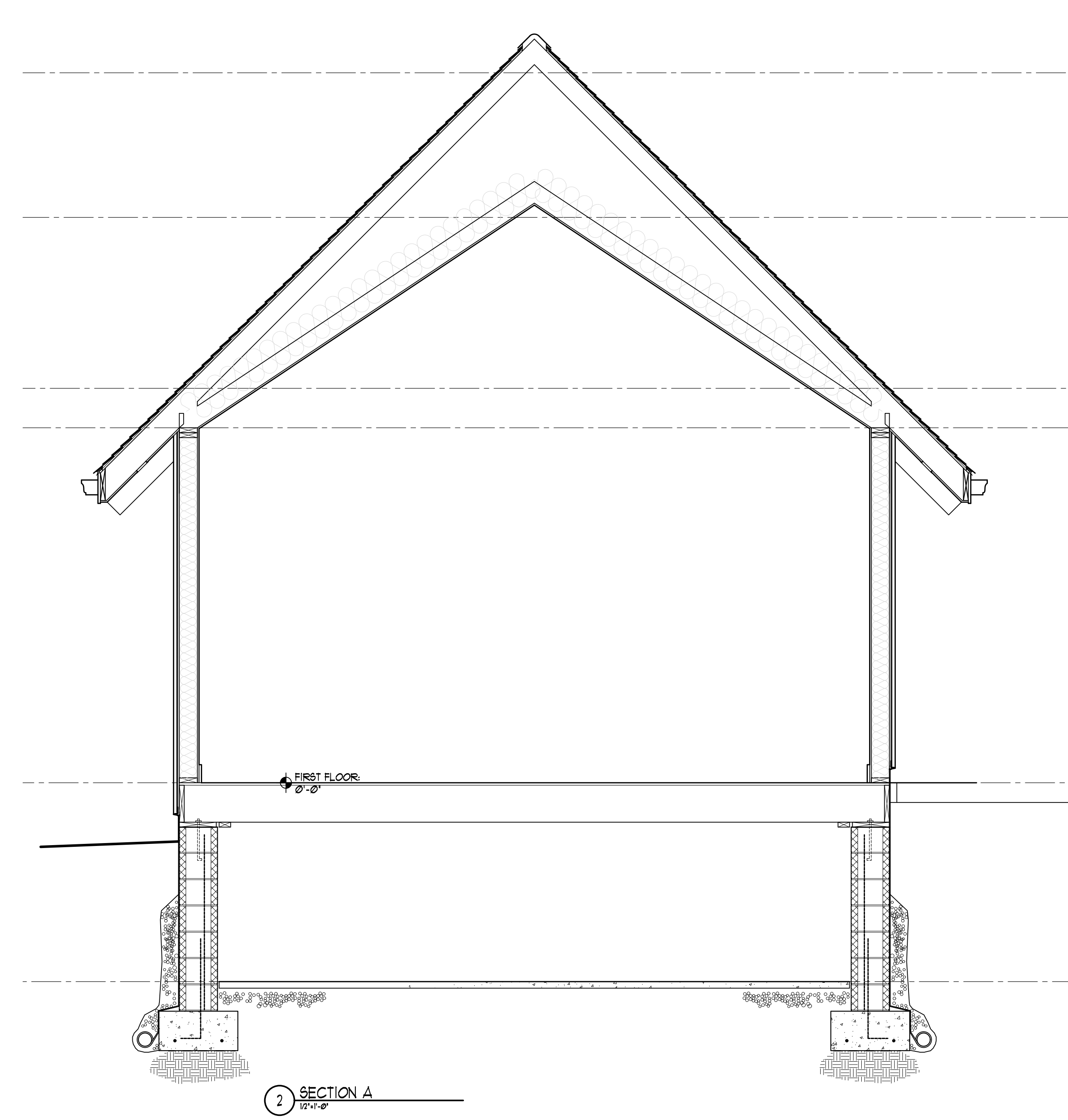


WORKING SET, NOT FOR CONSTRUCTION





WORKING SET, NOT FOR CONSTRUCTION



WORKING SET, NOT FOR CONSTRUCTION