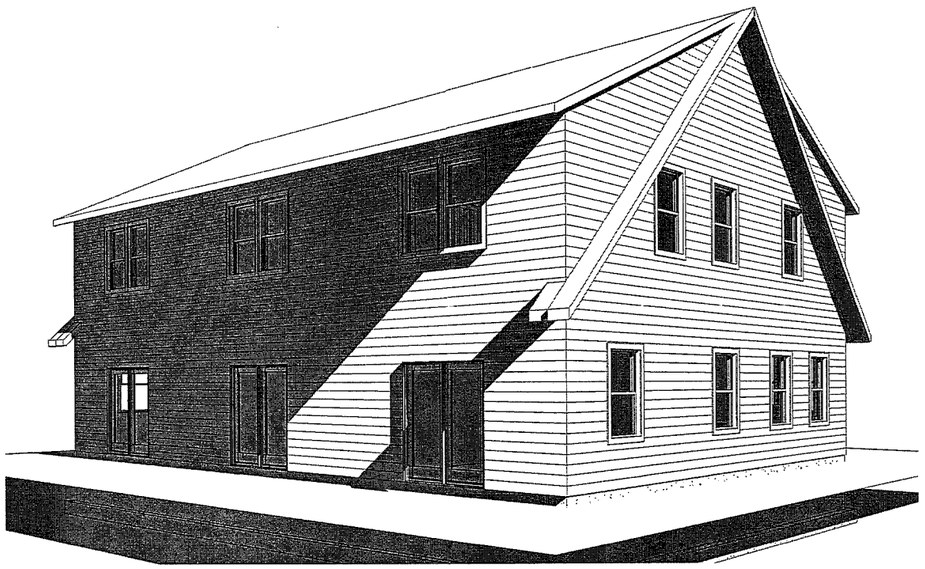
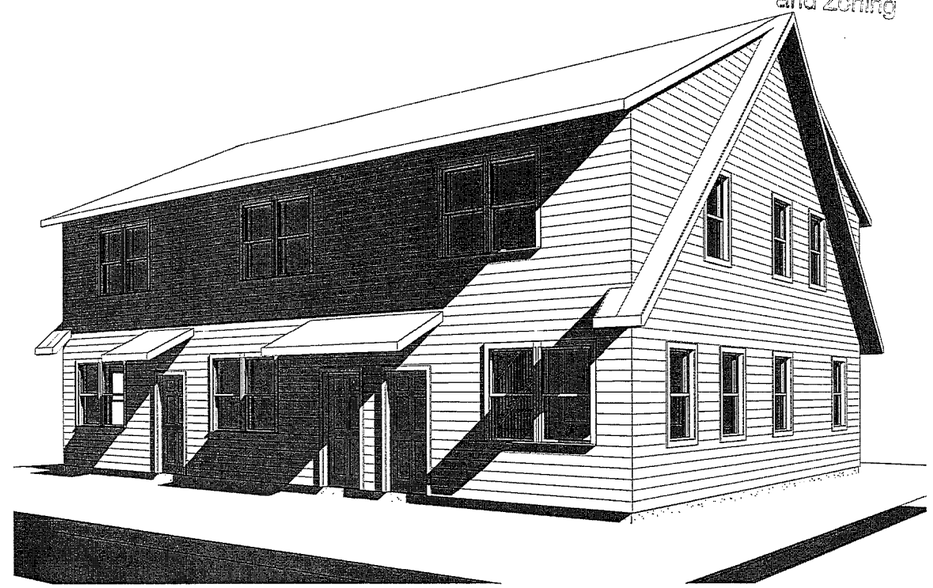
TWO APARTMENT BUILDINGS

257 NEWMARKET ROAD DURHAM, NEW HAMPSHIRE

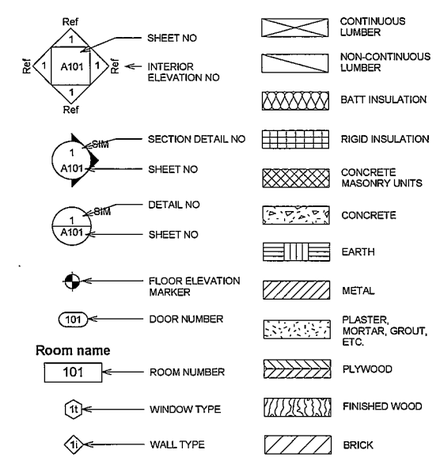
RECEIVED
Town of Durham
APR 25 2014
Planning, Assessing
and Zoning



2 3D View 2



1 3D View 1



SYMBOLS
1/2" = 1'-0"

Sheet List	
Sheet Number	Sheet Name
A0.0	Cover
A1.0	Basement Plan
A1.1	First Floor Plan
A1.2	Second Floor Plan
A1.3	Roof Plan
A2.0	Elevations
A3.0	Sections
A4.0	Wall Sections
A5.0	Details
C1	Site Plan

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No.	Description	Date

No. 257
Newmarket Rd.

Cover

Project number	1406
Date	04/25/2014
Drawn by	Author
Checked by	Checker

A0.0

Scale 1/2" = 1'-0"

4/25/2014 1:09:16 AM

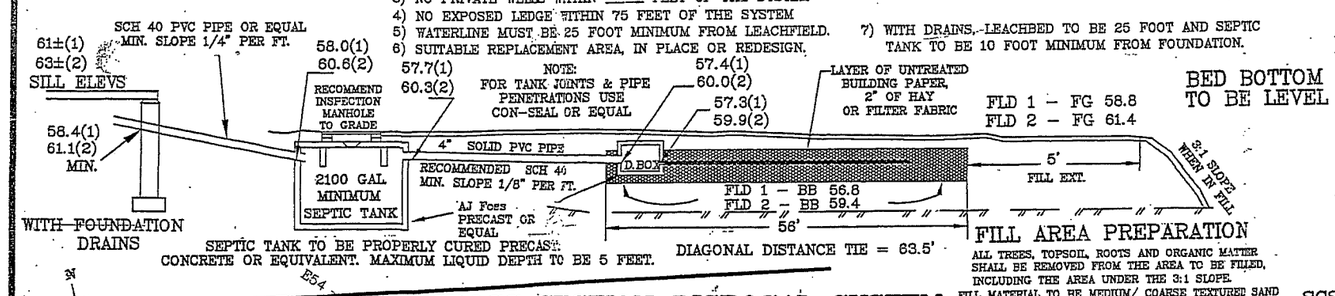
MINIMUM ELEVATIONS FOR SEPTIC SYSTEM ONLY. SILL/ SLAB ELEVATIONS TO BE DETERMINED BY CONTRACTOR.

SYSTEM NOTES

1) NO SURFACE WATER/ VERY POORLY DRAINED SOILS WITHIN 75 FEET OF THE SYSTEM.
2) NO POORLY DRAINED SOILS WITHIN 50 FEET OF THE SYSTEM.
3) NO PRIVATE WELLS WITHIN 125 FEET OF THE SYSTEM
4) NO EXPOSED LEDGE WITHIN 75 FEET OF THE SYSTEM
5) WATERLINE MUST BE 25 FOOT MINIMUM FROM LEACHFIELD.
6) SUITABLE REPLACEMENT AREA, IN PLACE OR REDESIGN.
7) WITH DRAINS,-LEACHBED TO BE 25 FOOT AND SEPTIC TANK TO BE 10 FOOT MINIMUM FROM FOUNDATION.

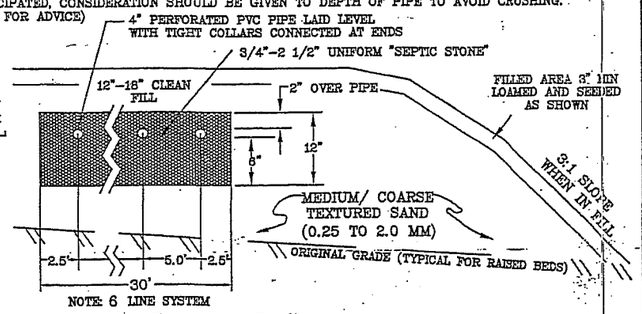
NOTE: ALL COMPONENTS UNDER PAVEMENT OR ROADWAY TO BE H-20

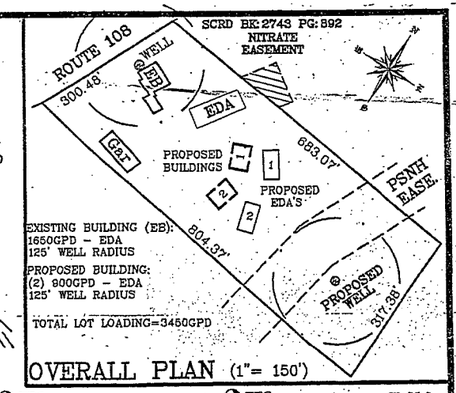
CONTRACTOR SHOULD USE CARE TO INSURE ADEQUATE BACKFILLING AND PROPER COMPACTION AROUND ALL PIPES. WHERE VEHICULAR TRAFFIC IS ANTICIPATED, CONSIDERATION SHOULD BE GIVEN TO DEPTH OF PIPE TO AVOID CRUSHING. (IF NECESSARY, CONTACT DESIGNER FOR ADVICE)



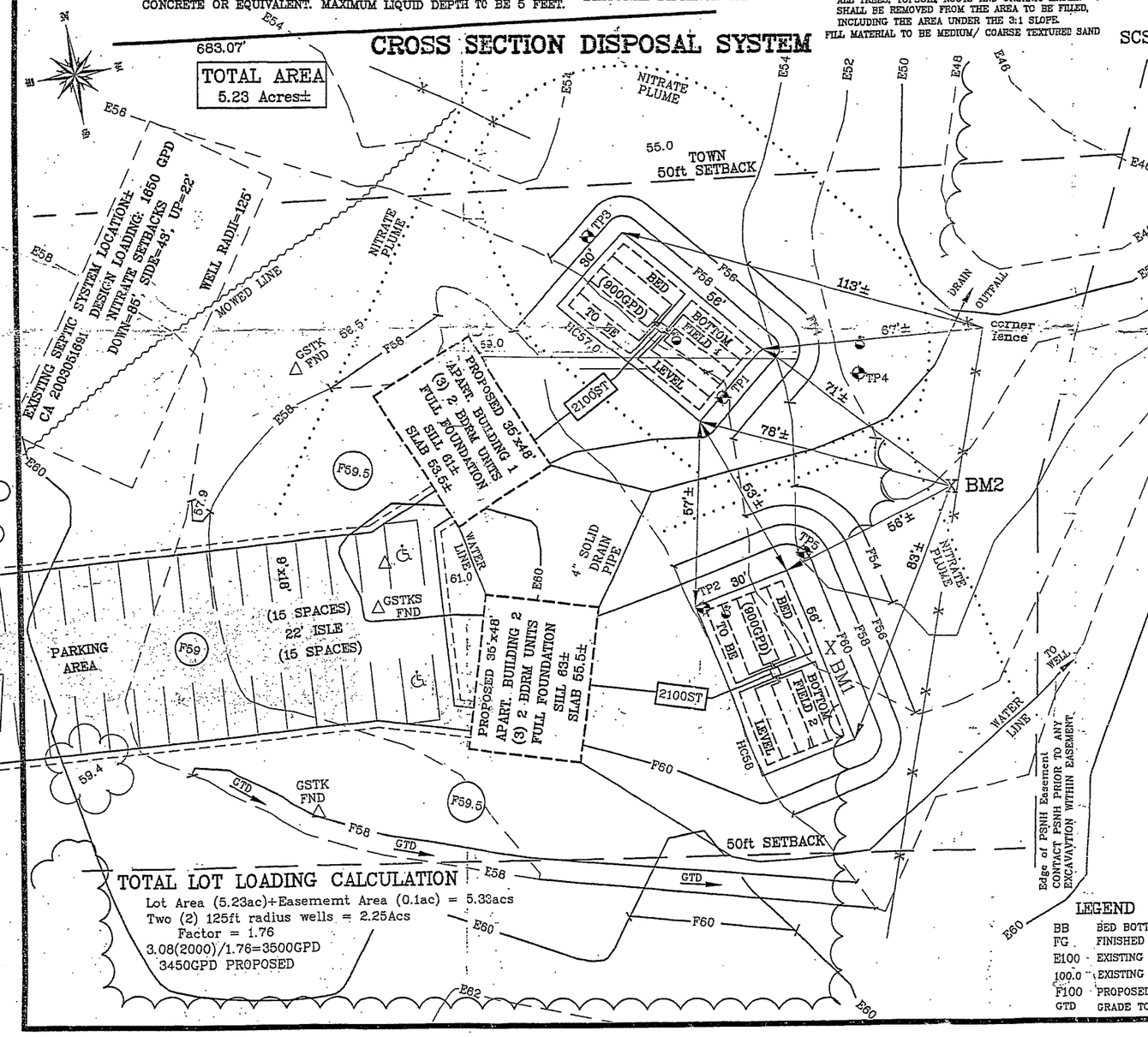
FILL AREA PREPARATION

ALL TREES, TOPSOIL, ROOTS AND ORGANIC MATTER SHALL BE REMOVED FROM THE AREA TO BE FILLED, INCLUDING THE AREA UNDER THE 3:1 SLOPE. FILL MATERIAL TO BE MEDIUM/ COARSE TEXTURED SAND





OVERALL PLAN (1"= 150')



SCS SOIL TYPE: Hd = Hollis-Charlton (Used Group 3C, F=1.76)

SOURCE: Strafford County Soil Survey March 1973 - Map 33

PERCOLATION TEST DATA

DATE TEST CONDUCTED: June 10, 2009

RESULTS: 10 min/1"

DEPTH OF HOLE: 28" WELL RADII = 125'

LEACH BED REQUIREMENTS

PERCOLATION RATE: 10 Min/1"
NUMBER OF BEDROOMS: TWELVE (12)
TOTAL LOADING: 1800 GPD
INSTALL TWO(2) FIELDS (900GPD)
185(9) = 1665 SF
AREA REQUIRED: 1665 SQ.FT.
LEACHBED SIZE: 30ft x 56ft = 1680 SQ.FT. PROVIDED (PER FIELD)
NITRATE SETBACKS (900GPD)
DOWN=50', SIDE=25', UP=12.5'

BENCH MARK/ TIE POINTS

"Vertical Datum as per an SCRD Plan 69-13"

1. Top of Nail set in Root of 12" Hickory Elev= 55.3 - flush to ground
2. Top of Nail set in Base of 12" Hickory Elev=52.8 - 0.2' down to ground

DESIGN INTENT

LEACHFIELD 1
"THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT 56.8 ELEVATION"; "THERE IS APPROXIMATELY 0.2 FEET BELOW ORIGINAL GROUND ON THE HIGH CONTOUR (HC) OF THE DESIGNED EFFLUENT DISPOSAL SYSTEM (EDS)"

LEACHFIELD 2
"THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT 59.4 ELEVATION"; "THERE IS APPROXIMATELY 1.4 FEET ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR (HC) OF THE DESIGNED EFFLUENT DISPOSAL SYSTEM (EDS)"

NOTES

1) THIS PLAN IS FOR WATER POLLUTION PURPOSES ONLY. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. LOT LINES SHOWN ARE APPROXIMATE. IF NEEDED, LOTLINES SHOULD BE VERIFIED BY A LICENSED LAND SURVEYOR.
2) EXACT COMPLIANCE WITH THE "APPROVED" PLAN IS NECESSARY TO MEET STATE REQUIREMENTS. CHANGES ARE COMMON, BUT WILL REQUIRE "AMENDED" OR "REVISED" PLANS. CONTACT DESIGNER PRIOR TO ANY CHANGES.
3) CONTRACTOR SHOULD CHECK TOWN BUILDING & ZONING REQUIREMENTS PRIOR TO CONSTRUCTION.
4) GARBAGE DISPOSALS OR WATER SOFTENERS NOT RECOMMENDED. SYSTEM NOT DESIGNED TO HANDLE THESE UNIT'S. IF EITHER UNIT IS TO BE USED, CONTACT DESIGNER.
5) THE WETLAND SHOWN WAS DELINEATED IN ACCORDANCE WITH THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1", JANUARY 1987, AND THE "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND", LATEST VERSION.

LEGEND

BB	BED BOTTOM
FG	FINISHED GRADE
E100	EXISTING CONTOUR
100.0	EXISTING SPOT ELEVATION
F100	PROPOSED FINISHED CONTOUR
GTD	GRADE TO DRAIN

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Peter D. Landry No. 984 Department of Environmental Services

TP1 EL: 56.3

11"	10YR3/3 Fine Sandy Loam Very Friable/Granular
24"	2.5Y5/4 Fine Sandy Loam Very Friable/Granular
50"	2.5Y6/3 Gravelly Very Fine Sandy Loam Friable/Massive
	Refusal (Ledge) No water observed No Evidence of ESHWT

TP2 EL: 57.9

8"	10YR3/3 Fine Sandy Loam Very Friable/Granular
32"	2.5Y6/3 Gravelly Very Fine Sandy Loam Friable/Massive
	Refusal (Ledge) No water observed No Evidence of ESHWT

TP3 EL: 55.0

9"	10YR3/3 Fine Sandy Loam Very Friable/Granular
42"	2.5Y6/3 Gravelly Very Fine Sandy Loam Friable/Massive
	Refusal (Ledge) No water observed No Evidence of ESHWT

TP4 EL: 51.5

14"	10YR3/3 Fine Sandy Loam Very Friable/Granular
36"	2.5Y5/4 Fine Sandy Loam Very Friable/Granular
66"	2.5Y6/2 & 7.5YR5/6 Gravelly Very Fine Sandy Loam Friable/Massive
	Refusal (Ledge) No water observed No Evidence of ESHWT

TP5 EL: 53.7

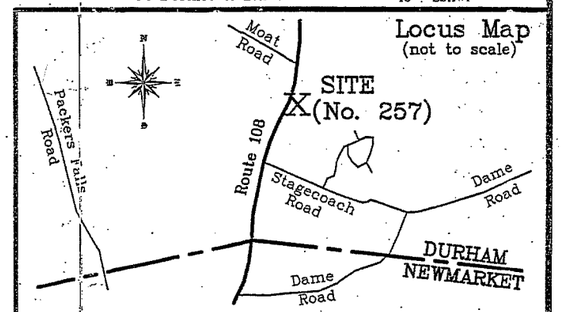
13"	10YR3/2 Loam Very Friable/Granular
27"	2.5Y5/3 Silt Loam Firm - Blocky
60"	2.5Y5/3 Silt Loam Very Firm - Blocky Restrictive
	No Refusal No water observed 18", ESHWT

TEST PIT DATA

WITNESSED BY:
Thomas F. Johnson, Zoning Adm. CEO/Health Officer

INSPECTED BY:
Peter D. Landry, Designer #984

DATE:
June 5, 2009



STONE & PIPE SEPTIC SYSTEM PLAN

257 Newmarket Road
Durham, NH

SUBDIVISION APPROVAL > 5-acres

REFERENCE DEED SCRD BK: 3686 PG: 397

TAX MAP 18 LOT 3-2

SCALE: 1"=20'

OWNER: Pasay's Properties, LLC
25 Deertrees Lane
Newfields, NH 03856

APPLICANT: LANDRY SURVEYING, LLC
248 MILL POND ROAD-NOTTINGHAM, NH
Phone: 679-1387

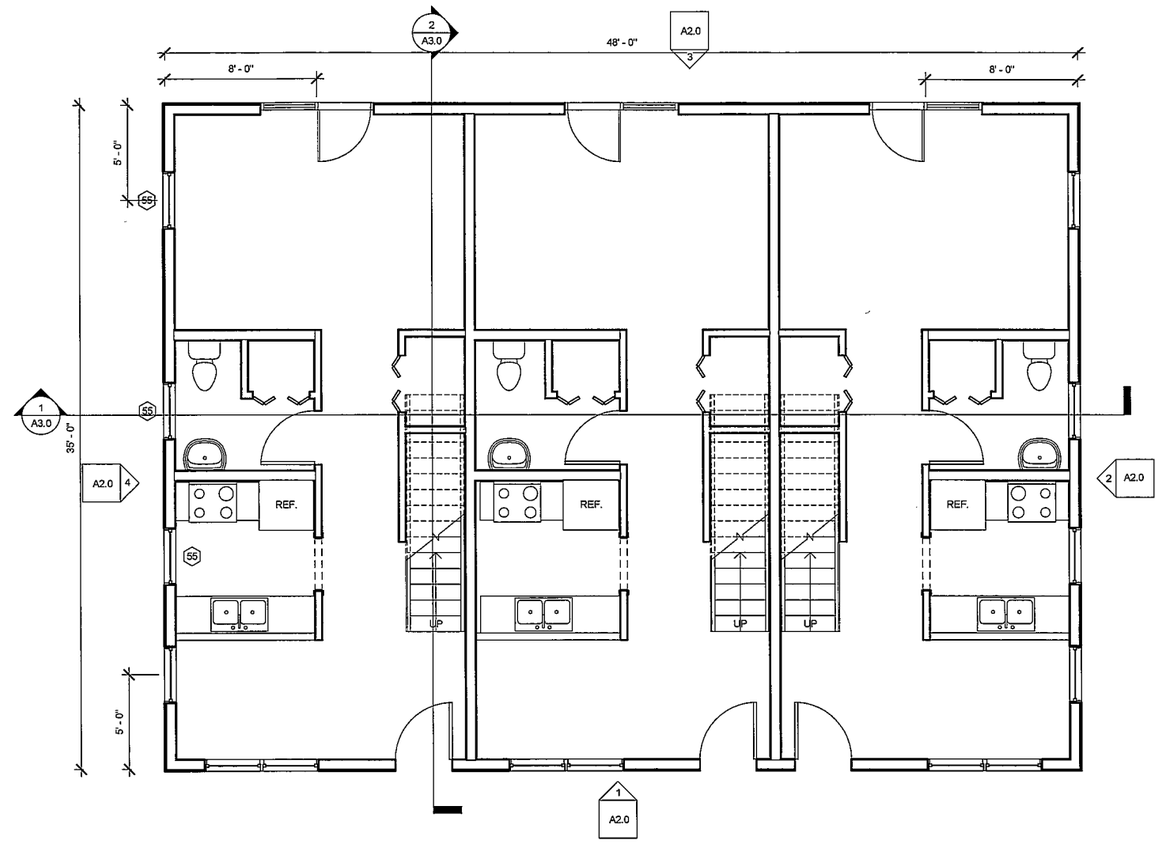
DATE: JULY 2009

CONSTRUCTION APPROVAL No. _____

SEE APPROVAL SLIP FOR ANY CONDITIONS OR REVISIONS.

Job No. 1162

1 site
1" = 20'-0"



1 First Floor
1/4" = 1'-0"

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e-mail

No.	Description	Date

No. 257

Newmarket Rd.

First Floor Plan

Project number	1406
Date	04/25/2014
Drawn by	Author
Checked by	Checker

A1.1

Scale 1/4" = 1'-0"

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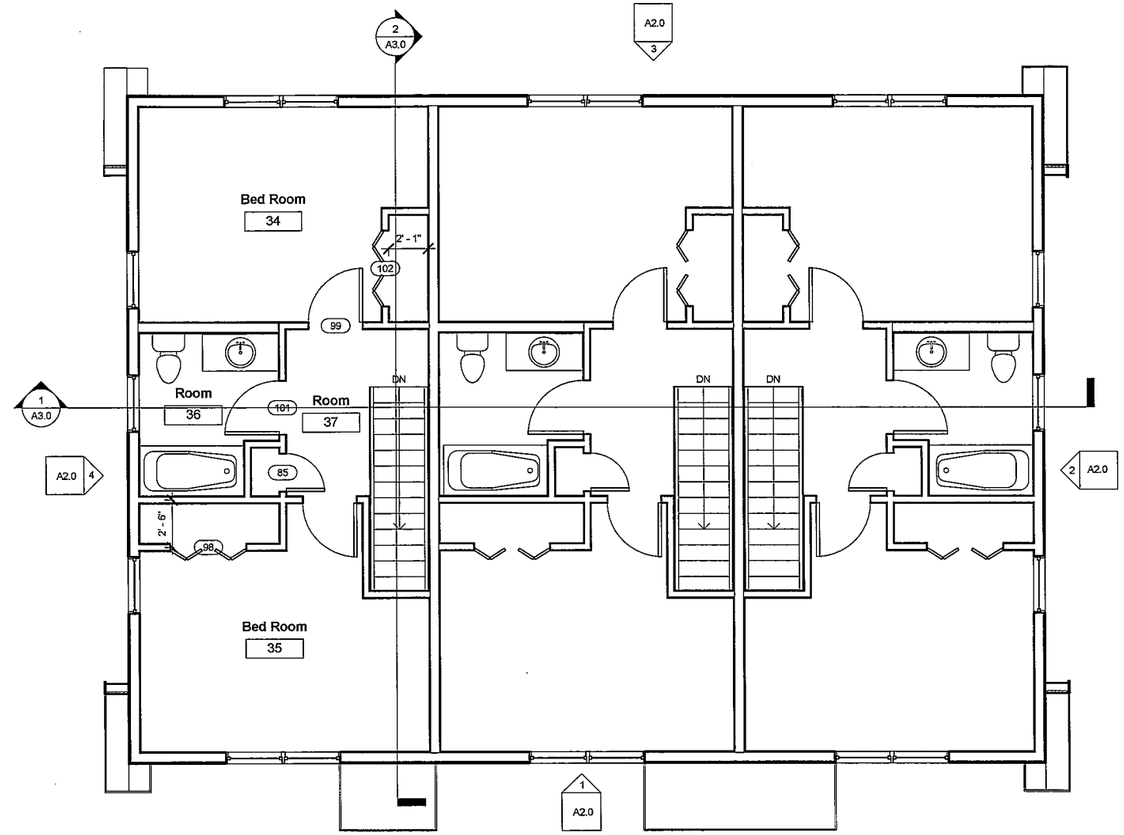

1 Second Floor Plan
1/4" = 1'-0"

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No.	Description	Date

No. 257

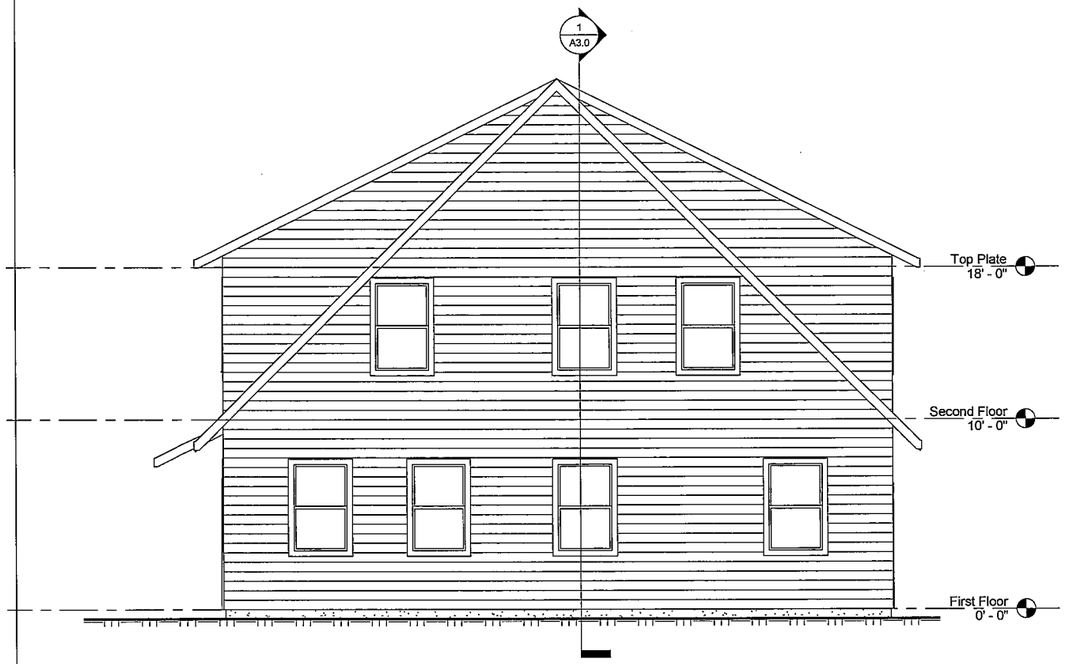
Newmarket Rd.

Second Floor Plan

Project number	1406
Date	04/25/2014
Drawn by	NI
Checked by	NI

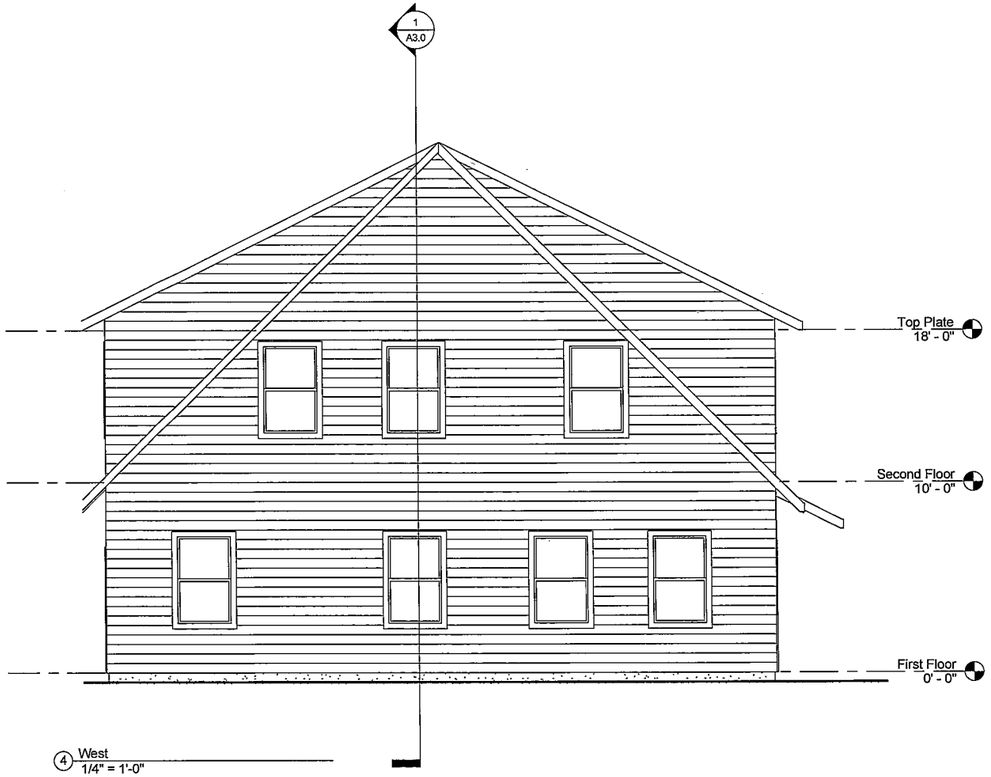
A1.2

Scale 1/4" = 1'-0"



2 East
1/4" = 1'-0"

1 South
1/4" = 1'-0"



4 West
1/4" = 1'-0"

3 North
1/4" = 1'-0"

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No.	Description	Date

No. 257

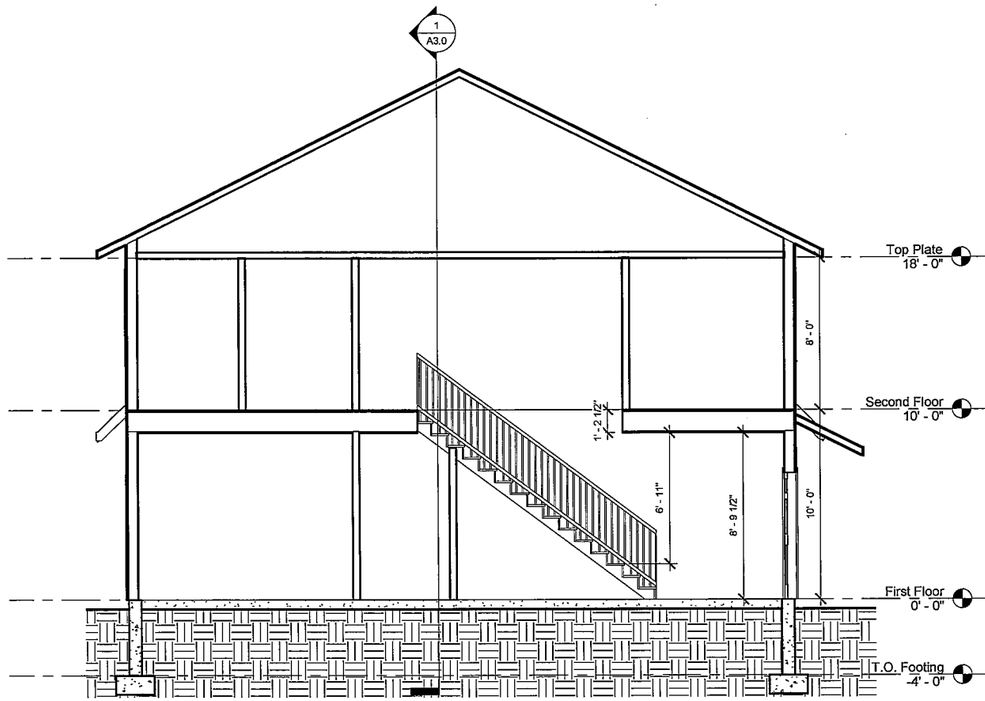
Newmarket Rd.

Elevations

Project number	1406
Date	04/25/2014
Drawn by	NI
Checked by	Checker

A2.0

Scale 1/4" = 1'-0"



2 Section B
1/4" = 1'-0"

1 Section A
1/4" = 1'-0"

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No.	Description	Date

No. 257

Newmarket Rd.

Sections

Project number	1406
Date	04/25/2014
Drawn by	Author
Checked by	Checker

A3.0

Scale 1/4" = 1'-0"