#617 Lot 14

cert X33525

FEE: 200 DATE: 2/15/05 ge

APPLICATION FOR IMPROVEMENT PERMIT
FOR RESIDENTIAL SITE
INDIVIDUAL WATER AND WASTEWATER
SYSTEMS PROGRAM

( ) CRT

TYPE APPLICATION: ✓ NEW SYSTEM _ EXPANSION/ ALTERATION OF EXISTING SYSTEM _ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 58498

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 190-24-12, 15-18 67

STREET ADDRESS: 11959 Carker Lane

SUBDIVISION OR MOBILE HOME PARK NAME: HEATHFIELD

LOT NUMBER: 14

TYPE OF BUILDING (CHECK ONE):

_ SINGLE MOBILE HOME(S) _ MODULAR HOME (M)
_ DOUBLE WIDE (D) _ MULTIPLE FAMILY (U)
X HOUSE (H) _ OTHER (O)

TOWNSHIP (CHECK ONE):

_ 0 MECKLENBURG _ 4 PINEVILLE
_ 1 CHARLOTTE _ 5 MATTHEWS
_ 2 DAVIDSON _ 6 HUNTERSVILLE
_ 3 CORNELIUS X 7 MINT HILL

HEATED SQUARE FOOTAGE: 5,000

NUMBER OF BEDROOMS: 5 NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

_ WITHOUT BASEMENT ON SLAB
X CRAWL SPACE
_ WITH BASEMENT /PLUMBING
_ WITH BASEMENT /NO PLUMBING

CLOSING DATE:

Pool (Yes) No

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: _ YES X NO TYPE:

WATER SUPPLY (CHECK ONE):

_ COMMUNITY (C) X MUNICIPAL (M) _ PRIVATE WELL (P)
_ SHARED WELL (S) _ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES _ YES X NO
EXISTING WASTEWATER SYSTEMS _ YES X NO
EASEMENTS OR RIGHT-OF-WAYS X YES _ NO
WELL, SPRINGS OR WATERLINES X YES _ NO
DESIGNATED WETLANDS X YES _ NO

PROPERTY OWNER: NVR, INC dba Ryan Homes

NAME: (LAST) (FIRST) (MI)

ADDRESS: 10815 Davis Taylor Dr

CITY: Charlotte STATE: NC ZIP: 28262

DAYTIME PHONE: 704 - 548-3534

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Kim Stanley for Ryan Homes DATE: 2/7/05

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

[redacted]

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 197-241-67
Lot #: 14
File #: 5847B
Code: 2

ACS

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: NVR, Inc., dba Ryan Homes
Applicant:
Address: 10815 David Taylor Drive, Charlotte, N. C. 28262
Date Evaluated: 4/14/2005
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: .57a
Location of Site: 11959 Canter Lane
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-10	GR/CL	FR/SEXP/SS/SP	>49" TO SOIL WETNESS	49	N/A	NONE	PS, IV
		10-49	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	LS, 8	0-8	GR/CL	FR/SEXP/SS/SP	>50" TO SOIL WETNESS	50	"		"
		8-38	SBK/C	FI/SEXP/S/P					
		38-50	SBK/CL	FR/SEXP/SS/SP					
3	"	0-7	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	"
		7-48	SBK/C	FI/SEXP/S/P					
4	"	0-8	GR/CL	FR/SEXP/SS/SP	>46" TO SOIL WETNESS	46	"	"	"
		8-41	SBK/C	FI/SEXP/S/P					
		41-46	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	US
System Type(s)		
Site LTAR	.3GPD/FT^2	.3GPD/FT^2

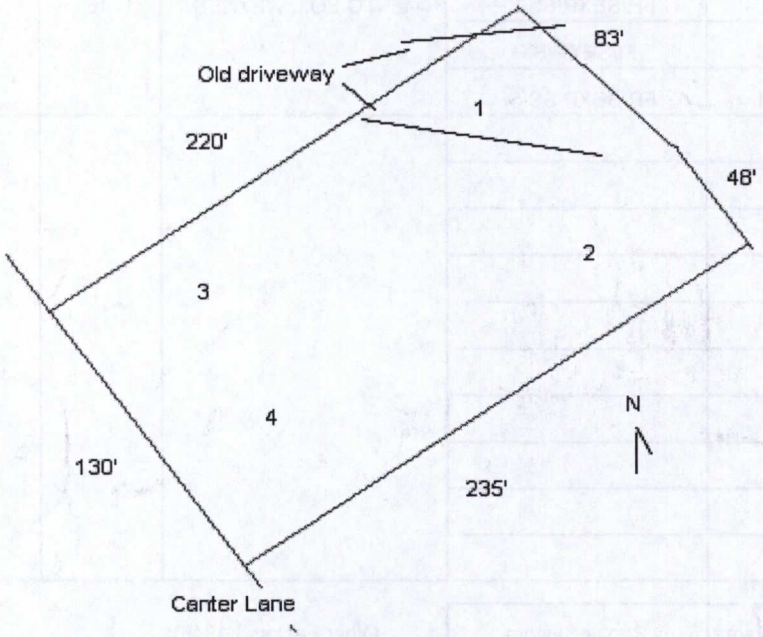
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 4/18/2005, W. R. Marlin
Others Present:

COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



CONDITIONS OF IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATON

Permit Number: **5847B**

Tax Number: **197-241-67**

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement: ☐ Yes ☒ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

.3 Long-term acceptance rate (GPD/ft^2)	600 Max gallons/day wastewater flow	1500 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☐ Yes ☒ No	1500 Gallon septic tank	500 Total trench length (ft)	30 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
5 Bedrooms in residence	1000 Gallon pump tank	NA Depth of stone (in)	

Any surface water present: **NO** Type: Minimum separation distance (ft):

Additional conditions: **AGREEMENT FORMS SHALL BE RECORDED AND ON FILE PRIOR TO CONSTRUCTION RELEASE, WELL ABANDONMENT RECORDS SHALL BE ON FILE PRIOR TO OPERATIONS PERMIT RELEASE**

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

1500 Absorption Area (ft^2) 500 Total trench length (ft)	NA Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	30 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage Treatment, and Disposal Systems in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

Phila A. Walker RS 5/17/05
DENR Authorized Agent Date

Patrice Garner 5/19/05
Owner/Agent Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE: (704) 336-5103
FAX: (704) 336-6894

NC DENR
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPOSED MODEL FIT

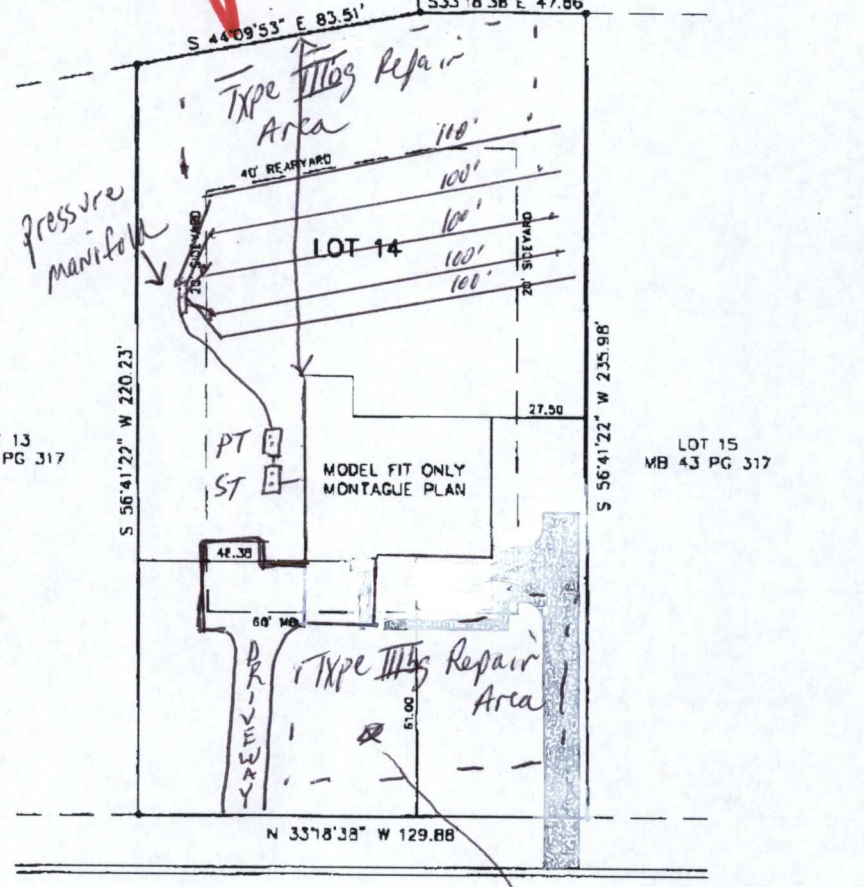
PREPARED BY:

DELTA LAND SERVICES, INC.
6033 FLORENCE AVENUE, SUITE 100
CHARLOTTE, NORTH CAROLINA 28212
(704) 536-6190

VOID

MODEL FIT ONLY
NOT TO BE USED
FOR CONSTRUCTION
OR STAKING

SCALE: 1"=40'



CANTER LANE
60' PUBLIC R/W

NOTE: DELTA LAND SERVICES IS NOT RESPONSIBLE FOR ANY CHANGES DUE TO UNRECORDED COVENANTS AND RESTRICTIONS

ESTIMATED DRIVEWAY AREA = 1302.6 SQ.FT.±

STAKEOUT ☐

NOT FOR RECORDATION, CONVEYANCES OR SALES

Subdivision THE MEADOWS OF MINT HILL, MAP 1 County MECKLENBURG
Address 11959 CANTER LANE Owner RYAN HOMES
Lot 14 Block ___ Plan MONTAGUE Elevation B Drive (Left) ___ (Right) SIDE (Courtyard) ___ Deck ___
Patio ___ Fireplace ___ Garage (1 Car) ___ (2 Car) X (3 Car) ___ Brick FRONT Basement ___ Curtain Wall X
Crawl ___ Slab ___ Other MORNING ROOM

REVISED: DWN: GHL CKD: MB DATE: 05/ 05/ 05

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COMMENTS

5 Bedroom House
Innovative Septic System Approval Agreement forms shall be recorded and on file prior to cons autho. release.
1500 ST Liftpump
1000 DT required
pressure manifold distribution
5 lines x 100' long x 3' wd 500LF
Municipal Water
Existing well shall be abandon w/ well abandonment records on file prior to Operation Permit Release

Patrice Garner 5/17/05

Phil L. Welker 5/17/05

NOT IN LO

FEE: $300.00
DATE: 5/19/05 X33575 VAW

AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION

ACS

HS 173889

VOID

PERMIT NUMBER: 5847B
PARCEL NUMBER: 197-244-67

JOB LOCATION ADDRESS: 11959 CANTER LANE, LOT 14
PROPERTY OWNER: NVR, INC.
BUILDING CONTRACTOR: RYAN HOMES
SUBDIVISION NAME: THE MEADOWS OF MINT HILL
AUTHORIZATION ISSUED BY: PHILO WALKER DATE: 05/17/05

Philo S. Walker RS
DENR/DEH AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 5847B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN *INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL* MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

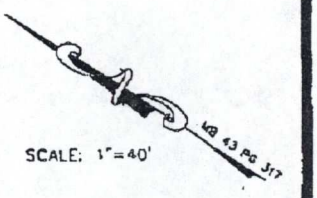
5. OTHER CONDITIONS:
   AGREEMENT FORMS REQUIRED
   EXISTING WELL SHALL BE ABANDONED BEFORE OPERATIONS PERMIT RELEASE

PROPOSED MODEL FIT

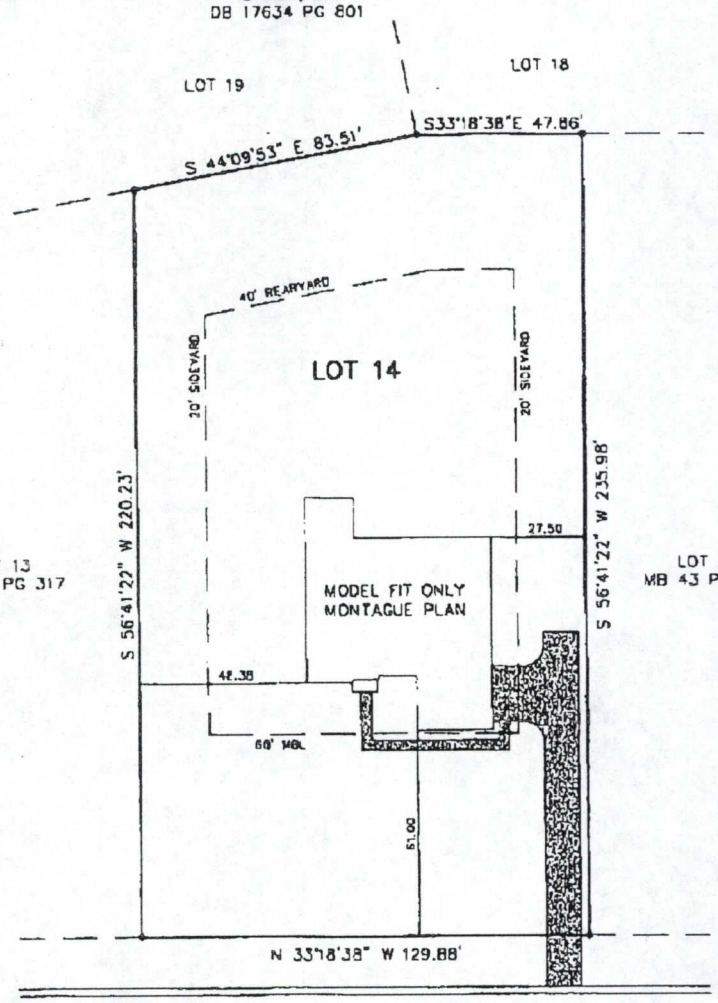
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SCALE: 1"=40'



CANTER LANE
60' PUBLIC R/W

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ESTIMATED DRIVEWAY AREA = 1302.6 SQ.FT.±

STAKEOUT ☐

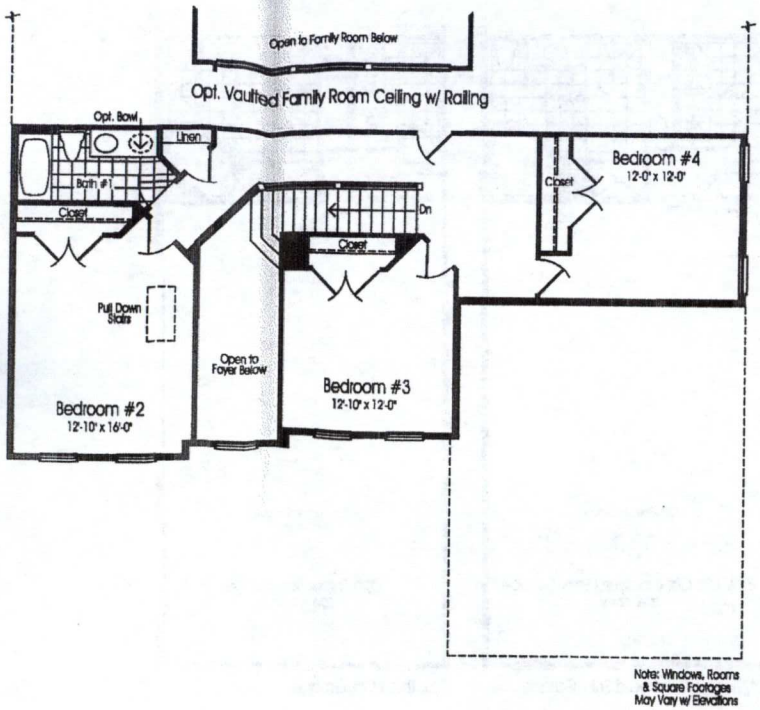
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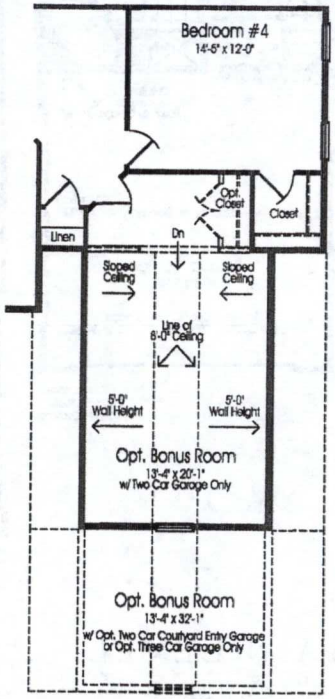
REVISED: DWN: CHL CKD: DATE: 05/ 05/ 05

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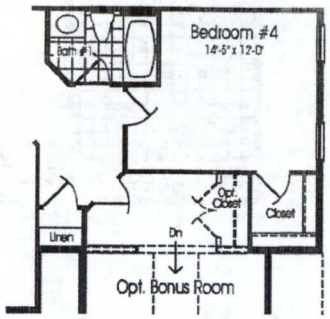
THE MONTAGUE



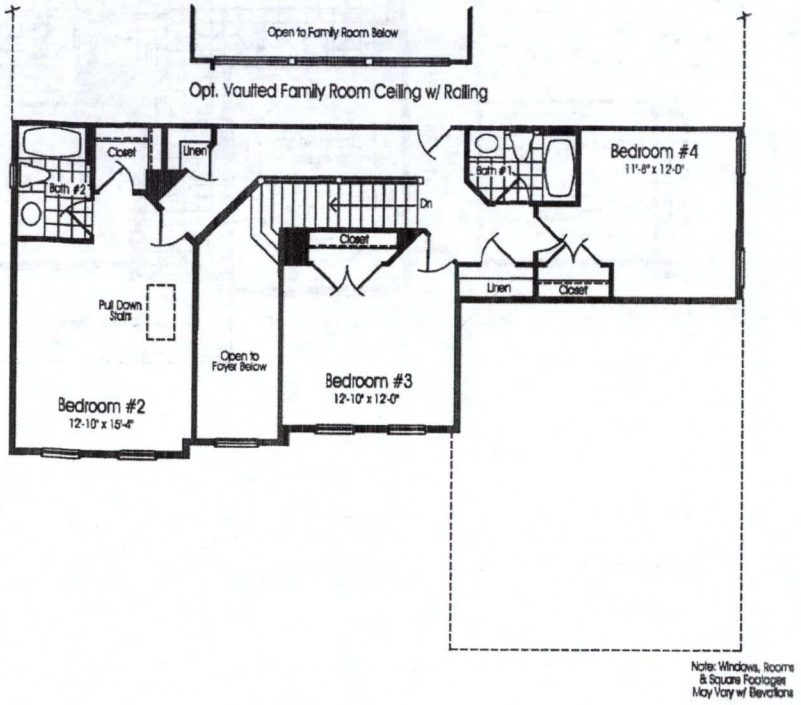
Second Floor w/ 3 Bedrooms & 1 Bath



Opt. Bonus Room



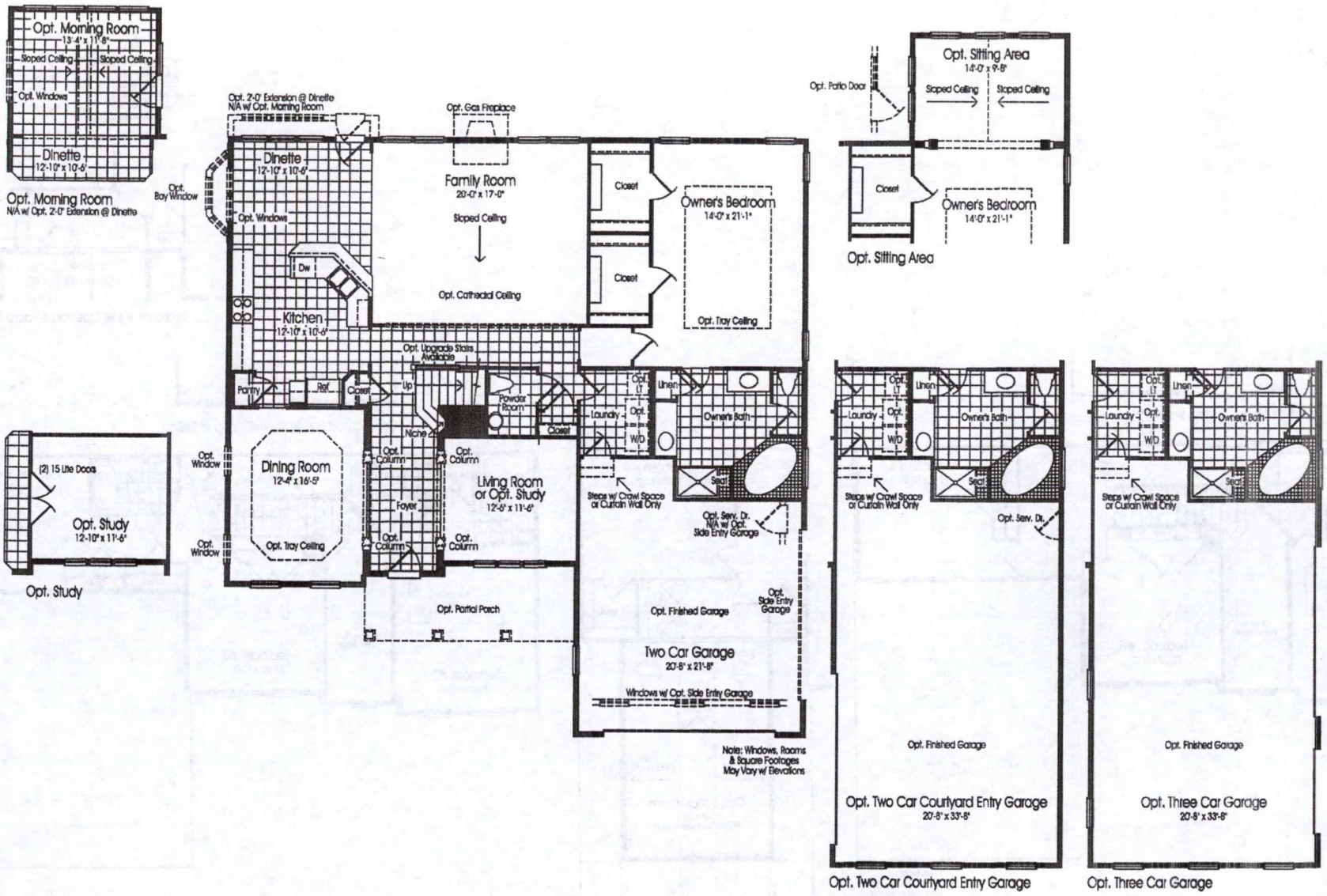
Bedroom #4 w/ Opt. Bonus Room / Bath



Second Floor w/ 3 Bedrooms & 2 Baths

UPPER LEVEL

ELEVATION B



MAIN LEVEL

ELEVATION B

Although all illustrations and specifications are believed correct at the time of publication, the right is reserved to make changes, without notice or obligation. Windows, doors, ceilings, and room sizes may vary depending on the options and elevations selected. Optional items indicated are available at additional cost. This brochure is for illustrative purposes only and not part of a legal contract. It is recommended that the architectural blueprints be reviewed for further clarification of features. Not all features are shown. Please ask our Sales and Marketing Representative for complete information.