LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	FIELD LENGTH (FT)	DESIGN LENGTH
1	YELLOW	1.0	29	28
2	ORANGE	1.1	48	48
3	RED	2.3	56	56
4	BLUE	2.8	58	56
5	PINK	3.8	30	30
6	YELLOW	4.2	68	68
7	RED	4.8	70	64
8	BLUE	5.5	75	75
9	ORANGE	6.3	55	55
10	BLUE	4.2	35	36
11	RED	6.1	19	REPAIR
12	YELLOW	7.5	40	40
13	BLUE	9.4	53	REPAIR
14	RED	11.5	97	REPAIR
15	YELLOW	13.5	97	REPAIR
16	PINK	16.0	97	REPAIR
17	BLUE	18.5	81	REPAIR

APPROVED AUG 07 2014
ARP

LOT 44 BELLS CROSSING SUBDIVISION

5-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 1 - 10 & 12 TOTAL 554 LINEAR FEET (USE LENGTHS ON TAP CHART)
EZFLOW OR CHAMBER
LTAR 0.275
25% REDUCTION
36" TRENCH DEPTH MAX

5-BEDROOM LPP FED PANEL BLOCK SYSTEM REPAIR
LINES 13 - 17 TOTAL 425 LINEAR FEET
LTAR 0.25
50% REDUCTION
36" TRENCH DEPTH MAX

NOTE: LINES MAY BE LONGER IN THE FIELD. TRIM TO DESIGNED LENGTH.

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC

PRIMARY SYSTEM

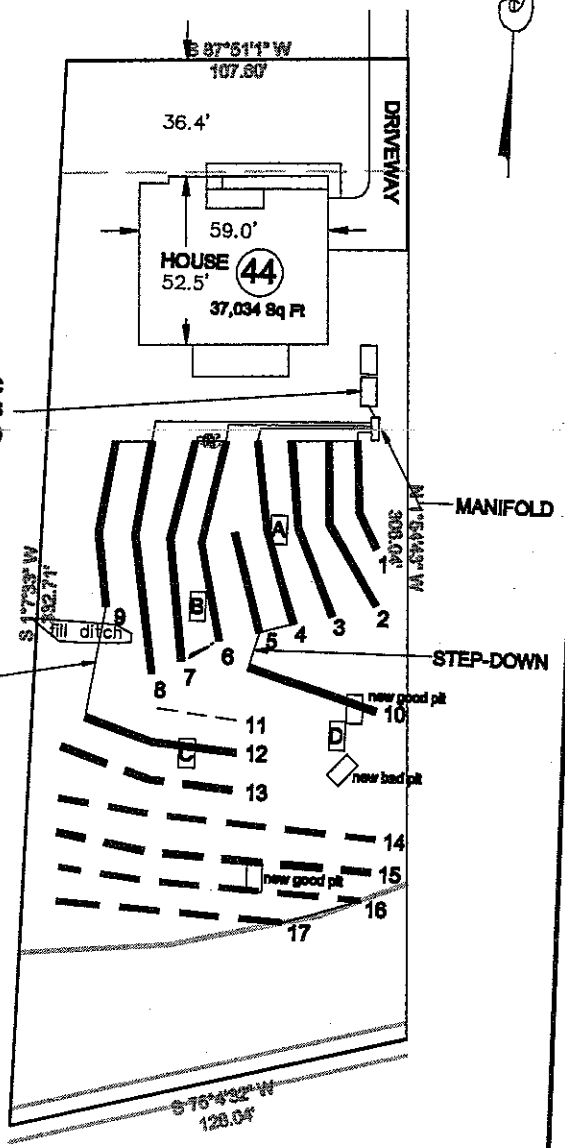
REPAIR SYSTEM

REPAIR LINES
(NOT USED)

PIT OR AUGER BORING A



SCALE:
1" = 60 ft.



Bateman Civil Survey Company
Engineers • Surveyors • Planners
300 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378

MERITAGE HOMES

LOT 44
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
Revised: 08/05/14
DATE: 07/11/14 DRAWN BY TMB CHECKED BY: TMB

APPROVED AUG 07 2014

Bells Crossing S/D Lot 44

Layout/Design Specifications

Facility Type:	Single Family Home
# of Bedrooms:	5
Daily Flow:	600 **gal/day**
L.T.A.R.:	0.275 **gal/day/sq.ft**
Trench Depth:	36 **in**
Trench Width:	36 **in**
Stone Depth:	chamber **in**
Manifold Length:	42 **in**
Manifold Diameter:	4 **in sch 80pvc**
Supply Line Length:	5 **ft**
Supply Line Diameter:	2 **in sch 40pvc**
Supply Line Volume:	0.87 **gallons**
Friction Loss + Fitting Loss:	1.46 **ft(supply line length + 70' for fittings in pump tank)**
Design Head:	2 **ft**
Elevation Head:	8.40 **ft**
Total Head:	11.86 **ft**
Dose Volume:	270.41 **gals**
% of Pipe Vol.	.75
Drawdown:	9.64 **in @ 28.06 gal/in Shoaf Precast**
Pump Run Time	8.60 **Minutes**
Control Panel:	SJE Rhombus Model112 control panel (or approved equivalent)
Pump:	Zoeller 140 Flow-Mate (or approved equivalent)
Septic Tank Effluent Filter:	Zoeller 170-0144 residential effluent filter (or approved equivalent)
Septic Tank:	1500 **gallon**
Pump Tank:	1500 **gallon**

Bells Crossing S/D Lot 44
SYSTEM TAP CHART

Bench Mark: 0 = 100.00
Pump tank elevation: 97.00

Manifold elev: 100.00
Pump elev: 91.60

line	color	rod read	elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1,2 & 3	Y, O, & R	1.00	99.00	132	1/2in SCH 40	7.11	135.73	396	0.34
4, 5, & 10	B, P, & B	2.80	97.20	120	1/2in SCH 40	7.11	135.73	360	0.38
6 & 7	Y, R	4.20	95.80	132	1/2in SCH 40	7.11	135.73	396	0.34
8, 9, & 12	B, O, & Y	5.50	94.50	170	3/4in SCH 80	10.1	192.81	510	0.38
	P-TANK	3.00	97.00						
		total	**feet =**	**554**	**gal/min =**	**31.43**			

Des. Flow 600

LTAR = **0.275**

(ltar + 5%) 0.29
(ltar W/ INOV) 0.37
(ltar + 5%) 0.39

Comments: Lines 1, 2 & 3 and 4, 5 & 10 and 6 & 7 and 9 & 12 will be tied together with stepdowns
see site plan for details.

APPROVED AUG 07 2014

RECEIVED JUL 16 2014 DH

IREDELL COUNTY HEALTH DEPARTMENT Int. Redraw

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

Paid $195.00

Application For:

( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet

Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Meritage Homes **Address:** 11605 N Community dr st 250 Charlott NC 28217 **Phone:** 704 397 6577

Owner Name: " **Address:** " **Phone:** 704 658 8616

Property Information:

Street Address: 133 Leaning Tower Ln

Subdivision Name: Bells Crossing **Section/Phase:** 2 **Lot Number:** 44

Driving Directions:

Site Development Information: *(check or complete ALL that apply)*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 5
Maximum Number of Occupants: 10
( ) Swimming Pool
( ) Other Addition/Structure:

( ) Crawl Space Foundation
(✓) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

( ) New Well ( ) Existing Well (✓) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:**

(✓) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:

( ) Yes (✓) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (✓) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (✓) No **Is the site subject to approval by any other public agency?**

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: [signature] 7-10-14

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

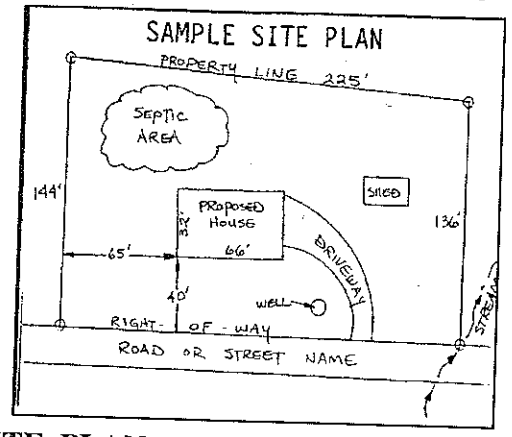
ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- (X) North arrow, or other sufficient indicator of direction



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property N/A
Location of easements and rights of ways on your property N/A
Location of any designated wetlands on the property N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

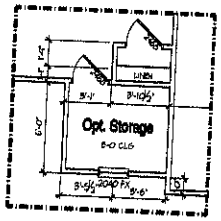
See Attached

Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

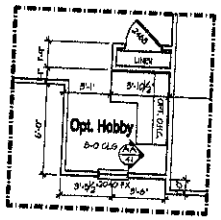
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DATE



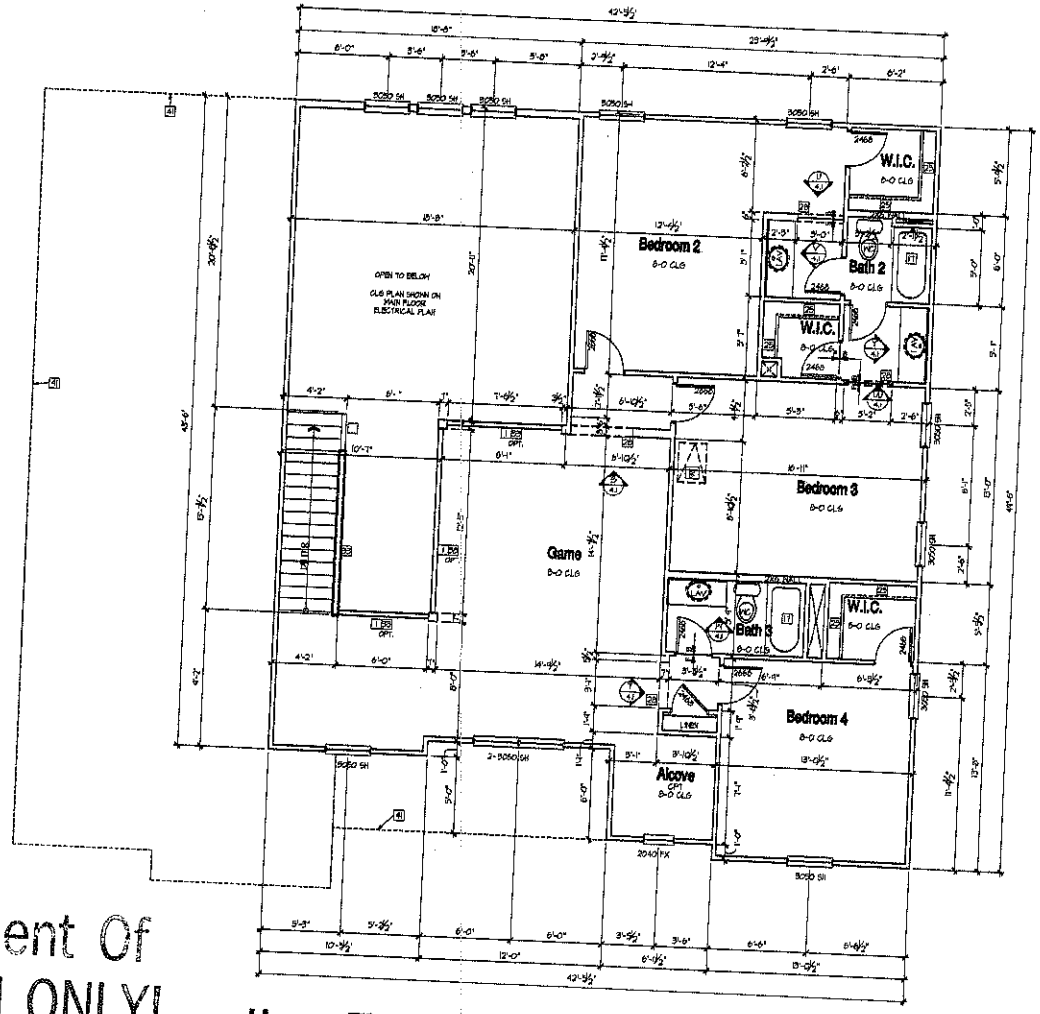
Opt. Storage - C

0 2' 4' 8'



Opt. Hobby - C

0 2' 4' 8'



Upper Floor Plan - C

0 2' 4' 8'

Acknowledgement Of Plans Submittal ONLY!

Date 3-13-14

Date 3-18-14

ALL EXTERIOR HOUSE WALLS MAY BE OPTIONAL 2X6 STUD WALLS - SEE STRUCTURAL PLANS FOR DETAILS.

SQUARE FOOTAGES	
MAIN FLOOR	2540
UPPER FLOOR	1427
BONUS/OPT.	816?
FINISHED BASEMENT	268
UNFINISHED BASEMENT	670
GARAGE	478
PORCH	108
DECK	220
OPT. EXTENDED DECK	301?
OPT. SCREEN PORCH	321
TOTAL	748

FLOOR PLAN NOTES:

[NOTE: PLOSS]

4 THE FOLLOWING KEYNOTES REFERENCE THE SYMBOLS AS SHOWN ON PLANS.

1. IF RAILING / GUARDRAIL IS PROVIDED, ALL RAILING / GUARDRAIL BALUSTERS TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALUSTERS. RAILING/HANDRAILS ARE TO BE AT A 34" MINIMUM TO 38" MAXIMUM HEIGHT A.F.F., WITH RETURNS PER LOCAL CODE. RAILING AT GUARDRAIL LOCATIONS TO BE AT 42" MINIMUM A.F.F. OPT. RAILING.
2. LINE OF OVERHEAD GARAGE DOOR IN OPEN POSITION.
3. SLOPE GARAGE FLOOR 1/8" PER FOOT TOWARD OVERHEAD GARAGE DOOR OPENING.
4. FIREPLACE, AS SPECIFIED BY BUILDER. INSTALL PER MANUFACTURERS SPECIFICATIONS. ALL FACTORY BUILT FIREPLACES SHALL COMPLY WITH LOCAL CODES.
5. SINK W/ GARBAGE DISPOSAL
6. D/WASHER
7. RANGE
8. COOK TOP
9. OVEN
10. REFRIGERATOR SPACE
11. PANTRY
12. PEDESTAL SINK
13. 42" X 42" SHOWER
14. 42" X 60" SHOWER
15. 42" X 60" TUB
16. 60" X 60" CORNER TUB
17. 30" X 60" TUB/SHOWER
18. 32" X 60" TUB/SHOWER
19. LINEN (SHELVING PER BUILDER SPECS.)
20. WASHER SPACE
21. DRYER VENT
22. OPTIONAL LAUNDRY SINK.
23. PROVIDE NON-COMBUSTIBLE PLATFORM ELEVATED 30" ABOVE GARAGE FLOOR FOR WATER HEATER.
24. 5 SHELVES PER BUILDER SPECS.
25. HOOK AND SHELF PER BUILDER SPECS.
26. ATTIC ACCESS (22"X30" R.O.)
27. ATTIC ACCESS W/ STAIRS (22 1/2"X54" U.N.O.)
28. GYPSUM BOARD OPENING @ 8'-0" AT MAIN FLOOR & 7'-0" AT UPPER FLOOR U.N.O.
29. GYPSUM BOARD ARCH @ T'-2" TO 8'-0".
30. GYPSUM BOARD LOH WALL, 58" A.F.F. (U.N.O.) W/ HOT CAP.
31. SOFFIT, REFER TO EXTERIOR ELEVATIONS FOR HEIGHTS & ARCHITECTURAL DETAILS FOR FINISH.
32. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
33. HALF WALL W/ WOOD CAP OR OPTIONAL LOH WALL WITH RAILING ABOVE.
34. PORCH RAIL, SEE ELEVATION.
35. 36" H.M.T. CONCRETE STOOP.
36. 6x6 BEAM.
37. OPTIONAL UPPER CABINETS
38. OPTIONAL CABINETS.
39. OPTIONAL COFFERED CEILING @ 8'-8" PER BUILDER SPEC.
40. LINE OF FRAMING ABOVE.
41. LINE OF FRAMING WALL, BELOW.
42. 2X4 LOH WALL 42" A.F.F.
43. 2X6 LOH WALL 42" A.F.F.
44. ART NICHE
45. HORIZONTAL LAUNDRY CHUTE
46. LOH WALL 42A" A.F.F.
47. GYPSUM BOARD ARCH @ 8'-0" TO 8'-6"
48. LOH WALL 30½" A.F.F.

TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION: ASPHALT ROOF SHINGLES

B. TYPICAL FRAME FLOOR CONSTRUCTION: FINISH FLOORING ON 3/4" T&G OR E GROOVE FLOOR SHEATHING ON FLOOR TRUSSES OR FLOOR JOISTS AS NOTED ON STRUCTURAL DRAWINGS.

C. SLAB ON GRADE FLOOR CONSTRUCTION: 4" CONCRETE SLAB, EXCEPT AS SPECIFIED BY SOIL REPORT AND STRUCTURAL ENGINEER. INCLUDE VAPOR BARRIER PER SECTION IV, C, 5, a.

D. WINDOWS:
A. ALL WINDOWS SHALL COMPLY WITH MINIMUM STANDARDS OUTLINED IN APPLICABLE RESIDENTIAL CODES.
B. WINDOW SUPPLIER TO VERIFY AT LEAST ONE WINDOW IN ALL BEDROOMS TO HAVE A CLEAR EGRESS OPENING OF 5.7 SQ. FT. WITH MIN DIMENSION OF 24" IN HEIGHT AND 20" IN WIDTH SILL HEIGHT NOT GREATER THAN 44" ABOVE FLOOR.
C. TYPICAL WINDOW HEAD HEIGHT: 7'-0" A.F.F. @ 8'-1 1/8" PLATE HEIGHT (U.N.O.) 8'-0" A.F.F. @ 9'-1 1/8" PLATE HEIGHT (U.N.O.)

E. ELECTRICAL: ALL ELECTRICAL AND MECHANICAL EQUIPMENT & METERS ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS. CONTRACTOR TO VERIFY.

F. FANS: PROVIDE BACK DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.

G. STONE SHOWN: INSTALL PER LOCAL CODE.

H. DIMENSIONS ARE TO THE FACE OF STUD, U.N.O.

I. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUDS UNLESS OTHERWISE NOTED.

J. ALL ASHLEY PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED.

K. BRICK SHOWN: INSTALL PER LOCAL CODE.

ISSUE DATE: 02/13/2013

REVISIONS

5400 Trinity Road
Suite 107
Raleigh,
North Carolina 27607
919-322-2285 Phone

Meritage Homes

Meritage Homes

BSB DESIGN
www.bsbdesign.com
5821 Westpark Parkway, Suite 210
West Des Moines, Iowa 50266
515.673.0888

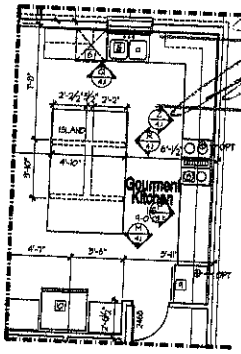
JOB NO. 62312025 PROJ MGR. JT
DRAWN BY: NW CHECKED BY: JG

UPPER FLOOR PLAN - C

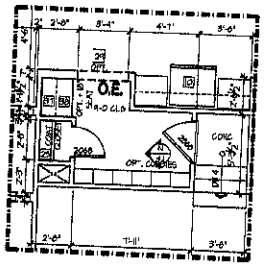
259 - 3739

A2.2C

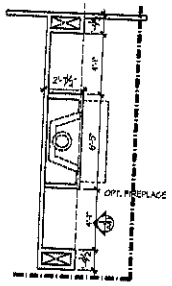
Acknowledgement Of
Plans Submittal ONLY!
W.M.B.H.L. Date 3-18-14
Rec'd Rec Date 3-18-14



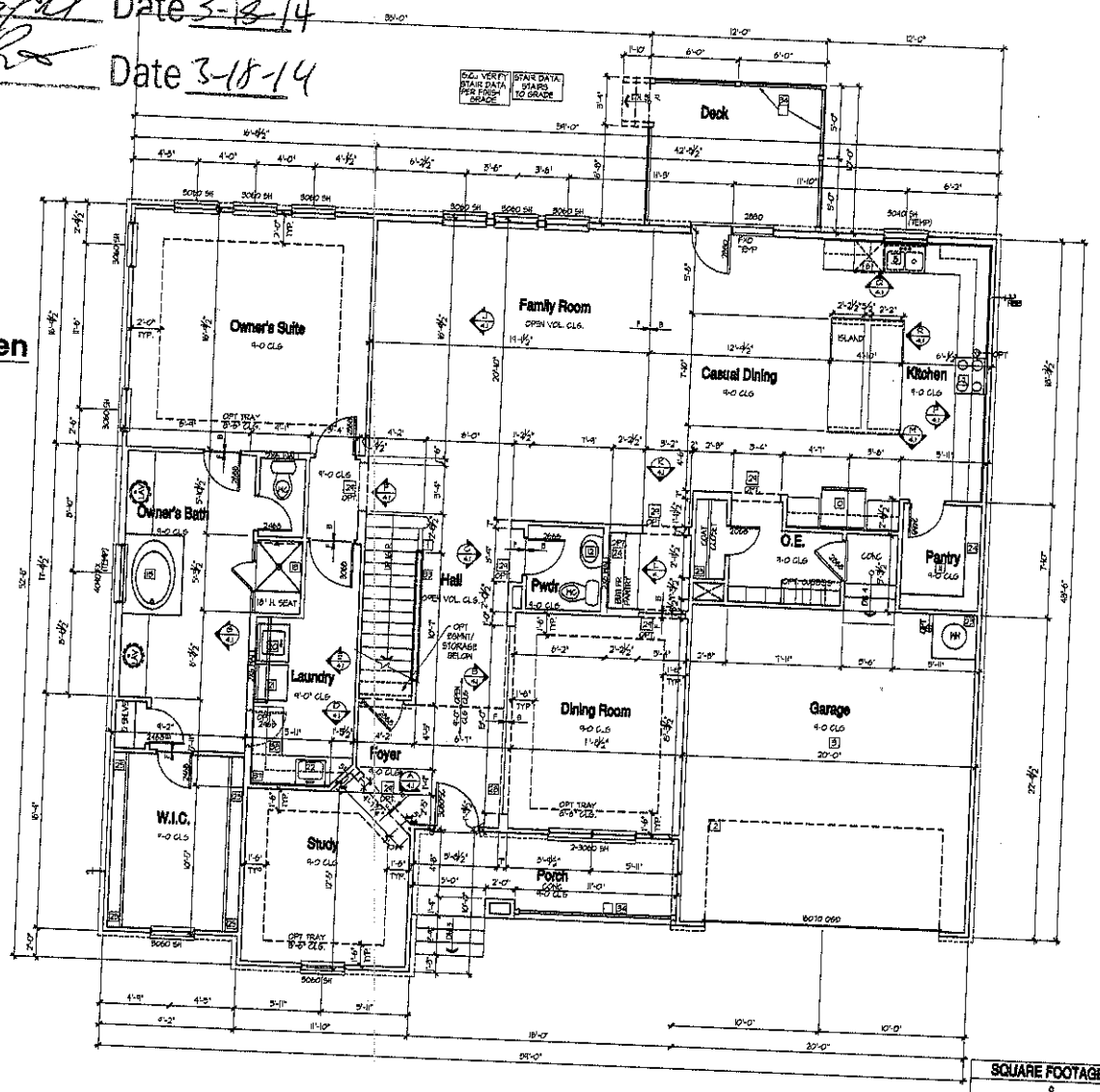
Main Floor Plan - Opt Kitchen



Main Floor Plan - Opt O.E.



Main Floor Plan - Opt Fireplace



Main Floor Plan - C

ALL EXTERIOR HOUSE WALLS MAY BE OPTIONAL 2X6 STUD WALLS - SEE STRUCTURAL PLANS FOR DETAILS.

SQUARE FOOTAGES

MAIN FLOOR	2940
GARAGE FLOOR	421
SUBTOTAL	3361
FINISHED BASEMENT	1078
UNFINISHED BASEMENT	1078
SUBTOTAL	1078
PORCH	418
PORCH	126
DECK	130
OPT EXTENDED DECK	301
OPT SCREEN PORCH	301
TOTAL	748

FLOOR PLAN NOTES:

[VOTE FLOOR]

1 THE FOLLOWING KEYNOTES REFERENCE THE SYMBOLS AS SHOWN OR PLANS.

1. IF RAILING / GUARDRAIL IS PROVIDED, ALL RAILING / GUARDRAIL BALUSTERS TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALUSTERS. RAILING/HANDRAILS ARE TO BE AT A 34" MINIMUM TO 38" MAXIMUM HEIGHT A.F.F., WITH RETURNS PER LOCAL CODE. RAILING AT GUARDRAIL LOCATIONS TO BE AT 42" MINIMUM A.F.F. OPT. RAILING.
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3. SLOPE GARAGE FLOOR .25" PER FOOT TOWARD OVERHEAD GARAGE DOOR OPENING.
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6. DISHWASHER
7. RANGE
8. COOK TOP
9. OVEN
10. REFRIGERATOR SPACE
11. PANTRY
12. PEDESTAL SINK
13. 42"X 42" SHOWER
14. 42" X 60" SHOWER
15. 42" X 60" TUB
16. 60" X 60" CORNER TUB
17. 60" X 60" TURBSHOWER
18. 72" X 60" TURBSHOWER
19. LINEN SHELVING PER BUILDER SPECS.
20. WASHER SPACE
21. DRYER VENT
22. OPTIONAL LAUNDRY SINK.
23. PROVIDE NON-COMBUSTIBLE PLATFORM ELEVATED 18" ABOVE GARAGE FLOOR FOR WATER HEATER.
24. 5 SHELVES PER BUILDER SPECS.
25. ROD AND SHELF PER BUILDER SPECS.
26. ATTIC ACCESS 22"X32" (U.N.O.)
27. ATTIC ACCESS W/ STAIRS 22"X 60"x84" U.N.O.
28. GYPSUM BOARD OPENING @ 8'-0" AT MAIN FLOOR & 7'-0" AT UPPER FLOOR U.N.O.
29. GYPSUM BOARD ARCH @ 1'-2" TO 8'-0".
30. GYPSUM BOARD LOH WALL 36" A.F.F. (U.N.O.) W/ MDF CAP.
31. SOFFIT, REFER TO EXTERIOR ELEVATIONS FOR HEIGHTS & ARCHITECTURAL DETAILS FOR FINISH.
32. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
33. HALF WALL W/ WOOD CAP, OR OPTIONAL LOH WALL WITH RAIL NO ABOVE.
34. PORCH RAIL, SEE ELEVATION.
35. 36"W CONCRETE STOOP.
36. 5x8 BEAM.
37. OPTIONAL UPPER CABINETS.
38. OPTIONAL CABINETS.
39. OPTIONAL COFFERED CEILING @ 8'-6" PER BUILDER SPEC.
40. LINE OF FRAMING ABOVE.
41. LINE OF FRAMING BEL. BELOW.
42. 2X4 LOH WALL 42" A.F.F.
43. 2X6 LOH WALL 42" A.F.F.
44. ART NICHE
45. HORIZONTAL LAUNDRY CHUTE
46. LOH WALL 34" A.F.F.
47. GYPSUM BOARD ARCH @ 8'-0" TO 9'-6"
48. LOH WALL 32½" A.F.F.

TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION: ASPHALT ROOF SHINGLES
B. TYPICAL FRAME FLOOR CONSTRUCTION: FINISH FLOORING ON 3/4" T&G OR 1" GROOVE FLOOR SHEATHING ON FLOOR TRUSSES OR FLOOR JOISTS AS NOTED ON STRUCTURAL DRAWINGS.
C. SLAB ON GRADE FLOOR CONSTRUCTION: 4" CONCRETE SLAB, EXCEPT AS SPECIFIED BY SOIL REPORT AND STRUCTURAL ENGINEER. INCLUDE VAPOR BARRIER PER SECTION IV, C, 3, a.
D. WINDOWS:
A. ALL WINDOWS SHALL COMPLY WITH HUD/FHA STANDARDS OUTLINED IN APPLICABLE REG. CHECKS.
B. WINDOW SUPPLIER TO VERIFY AT LEAST ONE WINDOW IN ALL BEDROOMS TO HAVE A CLEAR EGRESS OPENING OF 5.7 SQ. FT. WITH MIN. DIMENSION OF 24" IN HEIGHT AND 20" IN WIDTH SILL HEIGHT NOT GREATER THAN 44" ABOVE FLOOR.
C. TYPICAL WINDOW HEAD HEIGHT: 7'-0" A.F.F. @ 8'-1 1/8" PLATE HEIGHT (U.N.O.) 8'-0" A.F.F. @ 9'-1 1/8" PLATE HEIGHT (U.N.O.)
E. ELECTRICAL: ALL ELECTRICAL AND MECHANICAL EQUIPMENT & METERS ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS. CONTRACTOR TO VERIFY.
F. HVAC: PROVIDE BACK DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.
G. STONE SIDING: INSTALL PER LOCAL CODE.
I. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUDS UNLESS OTHERWISE NOTED.
K. ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED.
M. BRICK SIDING: INSTALL PER LOCAL CODE.

ISSUE DATE: 02/13/2013
REVISIONS

5400 Trinity Road
Suite 107
Raleigh,
North Carolina 27607
919-522-2285 Phone

Meritage Homes

Meritage Homes

BSB DESIGN
www.bsbdesign.com
801 Western Parkway, Suite 210
West Des Moines, Iowa 50266
515 973 2800

JOB NO. 02-13028 PROJ MGR.
DRAWN BY: NW CHECKED BY: JG
MAIN FLOOR PLAN - C

259 - 3739
A2.1C

Paid $350.00 Statewil 2-25-14 PH

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 1: *APPLICATION FORM*

Application For:

(X) Septic Improvement Permit (X) New Well Permit ( ) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) Septic System Repair

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Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted:

Place an (X) beside whichever is submitted if applicable

( ) Survey Plat, scaled no more than 1 inch = 60 feet
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Meritage Homes **Address:** 11605 N Community Rd st 250 Charlotte NC 28277 **Phone:** 704 3096577

Owner Name: " **Address:** " **Phone:**

Property Information:

Street Address: 133 Leaning Tower Ln

Subdivision Name: Bells Crossing **Section/Phase:** 2 **Lot Number:** 44

Driving Directions: 150 W - R on Perth Rd - L into Bells Crossing - R onto N San - Agustine Pr - L onto Leaning Tower Ln, 6th Lot on Left

Site Development Information: *(check or complete ALL that apply)*

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 5
Maximum Number of Occupants: 10
( ) Swimming Pool
( ) Other Addition/Structure:

( ) Crawl Space Foundation
(X) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

( ) New Well ( ) Existing Well (X) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)*

(X) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other:

Year existing system installed:

Please answer the following to the best of your ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: [signature]
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

2-24-14
DATE

IREDELL COUNTY HEATLH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- X — Property Line measurements are clearly identified...
- X — All proposed structures are indicated...
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- X — Front and side setbacks from property line...
- X — Preferred driveway location and configuration, preferred well location...
- X — Area you prefer your septic system to be placed...
- X — North arrow, or other sufficient indicator of direction...

Circle N/A on the following if appropriate:

- ____ Location of septic systems and wells within 100' of your property... (N/A)
- ____ Location of easements and rights of ways on your property... N/A
- ____ Location of any designated wetlands on the property... N/A

Signature: [signature] 2-24-14

REQUIRED property owner or owner's legal representative signature. **DATE**

USE THIS SPACE TO DRAW YOUR SITE PLAN

See site plan

Iredell County
Planning & Enforcement
349 N. Center St. PO Box 788
Statesville, NC 28687
704-878-3113

Zoning Permit

Permit Number: 181586ZO

Printed: 10/22/2013

Master #: 181586

Associated Permits:
181586ZO Zoning

Applicant

Name: Meritage Homes of North Carolina, Inc.
Address: 7761 Ballantyne Commons Pkwy ste 103
Charlotte, NC 28277
Phone:

Parcel

Parcel Number: 4639955462.044
Address: 133 LEANING TOWER Dr.
MOORESVILLE, NC 28117
Subdivision: Bells Crossing
Zoning: RA
Township: 1700
Area: .85
Lot(s): 44
Directions to Parcel: i77 to exit 42, left off ramp, left us21, left flower house lp, right carlyle rd, right fern hill rd, left perth, right bells crossing dr, right n san agustin dr,

Owners

Name: Meritage Homes of NC, INC
Address: 7761 Ballantyne Commons Parkway Suite 1(
Charlotte, NC 28277
Phone: 704-944-8900
Fax: 704-944-8910

Contractors

Contractor Type: Building
Name: Meritage Homes of North Carolina, Inc.
Address: 7761 Ballantyne Commons Pkwy ste 103
Charlotte, NC 28277

Fees and Receipts:

Number	Description	Amount
FEE-299678-07	Zoning - Permit Application	$75.00
FEE-299679-07	Technology Fee - Planning	$2.25
FEE-299897-07	Environmental Health - Gravity - Fast Track	$350.00

Sheet:
Property ID:
Applicant:
Date Evaluated:
Property Status:
Property Recorded:

LICENSED SOIL SCIENTIST
JASON M. HALL
1248
STATE OF NORTH CAROLINA

CCSC SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: 11605 North Community House Rd, Charlotte NC 28277
Proposed Facility: Single Family Design Flow (.1949)
Location of Site: Bells Crossing Lot 44
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope %	Horizon	Depth (in)	SOIL MORPHOLOGY (.1941) Structure/ Texture	Consistence (Wet)	PROFILE FACTORS (.1942) Soil Wetness/ Color	(.01) Depth (in)	1956 Saprolite Grade	(.04) Restrictive Horiz	Profile Class/ LTAR
A	R3%	A	0-2"	Gr SL	VFR NS NP	7.5YR 4/4				
		BT	2-29	SBK Clay	FI SS SP	→2.5YR 4/8				
		BC	29-50"	WK SBK SCL	FR SS SP	10YR 6/6 10%				PS 0.3
						→2.5YR 5/8				S 0.35
						10YR 6/6 10%				
B		A	0-2"	Gr SL	VFR NS NP	10YR 4/3				
		BT1	2-8"	Mass Clay	VFI SS SP	5YR 4/6				
		BT2	8-28"	SBK Clay	FI SS SP	7.5YR 5/1 20%				
		BC	28-38"	WK SBK SCL	FR SS SP	2.5YR 4/8				PS 0.3
		C	38-49"	SG SL	VFR NS NP	5YR 5/8				PS 0.35
						5YR 5/8		S		0.4
C		A	0-2"	Gr SL	VFR NS NP	10YR 3/2				
		E	2-5"	Gr SL	VFR NS NP	10YR 4/3				
		BT1	5-28"	SBK Clay	FI SS SP	→10R 4/8				
		BT2	28-58"	SBK SCL	FI SS SP	10YR 6/6 10%				PS 0.3
						→2.5YR 5/8				S 0.33
D		A	0-2"	Gr SL	VFR NS NP	10YR 3/2				
		BT1	2-14"	SBK Clay	FI SS SP	10R 4/8				
		BT2	14"-48"	SBK SCL	FI SS SP	2.5YR 4/8				PS 0.3
						10YR 6/6 20%				PS 0.275
						10YR 6/3 5%				

Description	Initial System	Repair System
Available Space (.1945)	Yes	Yes
System Type(s)	Excepted	Excepted
Site LTAR	.275	0.3

Other Factors (.1946): 2-8" PIT B has a compacted clay drainage mottles
Soil Evaluation By: J. Hall
Others Present: M Burdette
Site Classification (.1948):
Site Evaluation By: Same
Others Present:

Pit A - Few YB @ 22" Pit holding water .25
Pit C - Few/Com YB .25
Pit D - mottles of 2.5Y 7/2 + 8/2 13" UN
NEW Pit - Com/Many YB's .25 LTAR @ Best

I do not agree w/ the soil rating of initial system. It should be at maximum 0.25.

AP 3-18-14