# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

## IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PERMIT # 212205

PIN # 4639-72-8852 ✓

APPLICANT: BCSC

APPLICANT ADDRESS: 2524 Reliance Ave. Apex, NC 27539

SITE ADDRESS: ✓157 Campanile Drive Mooresville, NC 28117

PHONE: 704-658-8616 ALT. PHONE:

SITE DIRECTIONS: Perth Rd N from Rt 150 → L on Bells Crossing Dr → L on S. San Agustin Dr → L on Campanile Dr → @ end of cul-de-sac

SUBDIVISION: ✓ Bells Crossing SECTION: 4 LOT # 178 LOT AREA: 2.68 acres DESIGN FLOW: 600 GPD L.T.A.R.: 0.30

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1250 | (gal) | STB | 338 | Date | 7-30-17 | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | |
| Pump Tank | — | (gal) | PT | — | Date | — | System Description: | 25% Reduction | | | |
| Pump Make | — | Model | — | | Serial # | — | Repair System Description: | Conventional | | | |
| # Nitrification Fields | 1 | # Lines | 8 | | Linear Ft: | 504 | Maintenance Agreement Required: | ☐ YES | ☒ NO | | |
| Trench Width | 36" | Max. Trench Bottom Depth | 29" (low side) | | Gravel Depth | — | | ☒ GRAVITY | ☐ PRESSURE | | |

☒ Residence No. Bedrooms 5
☐ Business No. Persons 10
☐ Other No. Employees
☐ Slab ☐ Crawl Space
☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☒ Community

Comments / Conditions: Follow all N.C. septic rules. If a whole-house ejector pump is used, then a second septic tank (trash tank) of equal size in a series shall be required. Recommend pumping septic tank every 3-5 years. Direct house down-spout drains away from septic area. 9/5/17 Checked Septic tank.

INITIAL SITE SKETCH

See attached construction drawing from Bateman Civil Survey Company Dated 4/25/16

AS BUILT SKETCH

CHECKED FIRST 3 LINES JA

Tanks checked 9/6/17 MD

*Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.* **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☒ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 8/25/16

IMPROVEMENT PERMIT by: Tom Shuck Date: 8-8-2016

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 3-23-2017

Installed by: Shane Cashion

OPERATION PERMIT by: Mark Colson Date: 9/11/17

Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

**LEGEND**

PO = PORCH
SP = SCREENED PORCH
CP = COVERED PORCH
WD = WOOD DECK
SW = SIDEWALK
DW = CONC DRIVEWAY

0 30 60

SCALE:
1" = 60 ft.

BELLS CROSSING SUBDIVISION PHASE 4
HOUSES AND SEPTIC LINES ARE STAKED IN THE FIELD
THESE SEPTIC LAYOUTS ARE PRELIMINARY AND SUBJECT TO CHANGE PENDING APPROVAL BY THE IREDELL COUNTY ENVIRONMENTAL HEALTH DEPARTMENT.
FOR GENERAL USE NOT A SURVEY PRELIMINARY NOT FOR CONSTRUCTION
SOIL PROFILES AND ANALYSIS PROVIDED BY CENTRAL CAROLINA SOIL CONSULTING PLLC




APPROVED AUG - 8 2016


**Bateman Civil Survey Company**
Engineers • Surveyors • Planners
2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378


***SEPTIC SITE PLAN LOT 178***
***BELLS CROSSING SUBDIVISION***

IREDELL COUNTY , NORTH CAROLINA
**DATE: 04/25/16 DRAWN BY: SPC CHECKED BY: SPC**

DHHS

ON-SITE WASTEWATER SECTION

500 on 333

Sheet ___ of ___

PROPERTY ID #: ___

COUNTY: Iredell

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: BCSC — APPLICATION DATE: 4-26-16

ADDRESS: 2524 Reliance Ave Apex, NC — DATE EVALUATED: 6/16/16

PROPOSED FACILITY: 5 BR House — PROPOSED DESIGN FLOW (.1949): 600 gpd — PROPERTY SIZE: 2.68 acres

LOCATION OF SITE: Bells Crossing Lot 178 157 Campanile — PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ___

EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| 1 | Head Slope | 0-11 | SCL Br. w. ABK | Friable, SS, Sp, Ssp | | | | | 0.375 |
| | | 11-44" | Br. clay Loam w. ABK | Friable, SS, Sp, Ssp | | | | | |
| | | 44-66" | massive Loamy Saprolite | moderately draining + friable | | | | | |
| P.T | 1% | | | | | | | | |
| 2 | | 0-10 | Br. SCL w. SBK | Friable, SS, Sp, Ssp | | | | | 0.375 |
| | | 10-31 | Br. Clay Loam w. SBK | Friable, SS, Sp, Ssp | | | | | |
| | | 31-46 | Sandy massive Saprolite | Very Wet/ Very Friable | | | | | |
| AH | | Need Backhoe Pits | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

OTHER FACTORS (.1946): ___

SITE CLASSIFICATION (.1948): P's

EVALUATED BY: ___

OTHER(S) PRESENT: Needed

COMMENTS: ___

DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: ____

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: BCSC — APPLICATION DATE 4/26/16
ADDRESS: ____ — DATE EVALUATED: 7-20-16
PROPOSED FACILITY: 5 BR House — PROPOSED DESIGN FLOW (.1949): 600 GPD — PROPERTY SIZE: ____
LOCATION OF SITE: Bells Crossing Lot 178 — PROPERTY RECORDED: ____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | OTHER PROFILE FACTORS .1943 SOIL DEPTH | OTHER PROFILE FACTORS .1956 SAPRO CLASS | OTHER PROFILE FACTORS .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | HS 13% | 0-7 | Br Loam w. SBK | Firm* Baked, SS, Sp, Sap | — | 30 | — | — | 0.35 |
| | | 7-22 | Br. clay w. SBK | Sl. Firm, SS, Sp, Sap | | | | | |
| | | 22-30 | Br. clay Loam w. SBK some Saprolite | Friable, SS, Sp, Sap | | | | | |
| | | 30-60 | MA Sandy Saprolite | very Friable + well Drained | | | | | |
| 2 | HS 18% | 0-4 | mixed loam + w. SBK Saprolite | Sl. Firm, SS, Sp, Sap | — | 4" | — | — | 0.475 |
| | | 4-65" | ma Sandy Saprolite | very Friable + well Drained | | | | | |
| 5 | HS 14% | 7-15 | Br. Clay w. SBK | Sl. Firm, SS, Sp, Sap | — | 41 | — | — | 0.325 |
| | | 15-46 | Br. clay Loam w. SBK | Friable, SS, Sp, Sap | | | | | |
| | | 46-63 | MA Saprolite (Loamy) | V. Friable + moderately Drained | | | | | |
| 4 | HS 17% | 1-8 | Loam w. SBK | Sl. Dry* Firm, Granular, SS, Sp, Sap | — | 46 | — | — | 0.325 |
| | | 8-27 | R. Clay w. SBK | Sl. Firm, SS, Sp, Sap | | | | | |
| | | 27-46 | Br. Clay Loam w. SBK | Friable, SS, Sp, Sap | | | | | |
| | | 46-68" | Loamy Saprolite Massive | Friable + moderately Drained | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 504 | 944' |
| System Type(s) | 25% reduction | conventional |
| Site LTAR | 0.3 | 0.325 |

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: ____

COMMENTS: ____

DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: ____

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: BCSC APPLICATION DATE ____
ADDRESS: ____ DATE EVALUATED: 9/20/16
PROPOSED FACILITY: ____ PROPOSED DESIGN FLOW (.1949): ____ PROPERTY SIZE: ____
LOCATION OF SITE: Lot 178 - Bells Crossing PROPERTY RECORDED: ____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☐Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| 3 | FS 9% | 0-7 | Loam V.SBK | Firm rBaked SS,SP,SOP | — | 50 | — | — | 0.30 |
| | | 7-36 | Br. clay M.SBK/ABK | SI. Firm, SS, SP, SOP | | | | | |
| | | 36-50 | Br. clay Loam M/S BK | SI Friable, SS, SP, SOP | | | | | |
| | | 50-58 | Br. MX Loamy Saprolite | V. Friable + well Drained | | | | | |
| | | | | | | | | | |
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| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): ____
EVALUATED BY: ____
OTHER(S) PRESENT: ____

COMMENTS: ____

RECEIVED MAR 2 2 2017

# IREDELL COUNTY HEALTH DEPARTMENT
## *ENVIRONMENTAL HEALTH DIVISION*
### Application for IMPROVEMENT PERMIT, AUTHORIZATION TO CONSTRUCT, or EXISTING SYSTEM INSPECTION

*(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)*

**1. APPLICATION FOR:** ☐ Improvement Permit ☑ Authorization To Construct ☐ BOTH ☐ Existing System Inspection

**2. 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 check ( ) beside whichever is submitted if applicable* ☑ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

**3. Applicant Information:**

| Applicant Name | Mailing Address | Home Phone # | Alternate Phone # |
|---|---|---|---|
| Meritage Homes of the Carolinas, Inc | 13925 Ballantyne Corporate pl. Suite 300 | 704.944.8918 | |

| Owner Name | Mailing Address | Home Phone # | Alternate Phone # |
|---|---|---|---|
| Meritage Homes of the Carolinas, Inc | same | | |

**4. Property Information:**

| Street Address | Subdivision Name | Section/Phase and Lot Number |
|---|---|---|
| 157 Campanile Court | Bells Crossing | Lot 178 |

**Driving Directions:** 150 W - Right on Perth Road - Left into Bells Crossing

**5. RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

- ☑ New, Single Family Residence
- ( ) New, Multi-Family Residence
- ☐ Expansion of Existing Septic System
- ( ) Repair To Failing Septic System
- ( ) Other

Maximum Number of Bedrooms 5
Maximum Number of Occupants 10
If Expansion, Current Number of Bedrooms ___

- ☐ Crawl Space Foundation?
- ☐ Concrete Slab Foundation?
- ☑ Basement w/Plumbing?
- ☐ Basement w/out Plumbing?

**IF Non- Residential Site Development:**
Type of Business
Square Footage of Building
Maximum Number of Employees
Maximum Number of Seats

**6. Proposed Water Supply:**

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

**7. Desired Septic System Type:** *(You may rank in order of preference, if any)*

☐ ) Alternative ☑ ) Conventional ☐ ) Innovative ( ) Modified Conventional ( ) Other_Excepted__ ( ) No Preference

**8. 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. industry) 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.

**9. Signature:** _____ Robert Ruthenberg
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

3/21/17
DATE

RECEIVED APR 2 9 2016

# IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

*(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)*

Paid $350.00

**1. APPLICATION FOR:** ✓ **Improvement Permit** ___ **Authorization To Construct** ___ **Existing System Inspection**

**********

**2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application**

# 212205

**The following optional attachments may also be submitted:** ✓ **Survey Plat, Scaled no more than 1 Inch = 60 Feet**

*Place check ( ) beside whichever is submitted if applicable* ___ **Custom Site Plan, Scaled no more than 1 Inch = 60 Feet**

**********

**3. Applicant Information:**

Paid $150.00 8/18/16

| BCSC | 2524 Reliance Ave Apex NC 27539 | | 704-658-8616 |
|---|---|---|---|
| **Applicant Name** | **Mailing Address** | **Home Phone #** | **Alternate Phone #** |
| Meritage Homes | 11605 | | |
| **Owner Name** | **Mailing Address** | **Home Phone #** | **Alternate Phone #** |

**********

**4. Property Information:**

| 157 Campanile Drive | Bells Crossing | 4 178 |
|---|---|---|
| **Street Address** | **Subdivision Name** | **Section/Phase and Lot Number** |

**Driving Directions:** I 40 W, R on Perth, L into Bells Crossing, L onto San Agustine Pass Ph 3 (Abbeville CT) L onto Last lot in cul de sac

**********

**5. RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
(X) Repair To Failing Septic System due to _____
( ) Other _____

Maximum Number of Bedrooms 5
Maximum Number of Occupants 10
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(✓) Basement w/Plumbing?
( ) Basement w/out Plumbing?

**IF Non- Residential Site Development:**
Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

**********

**6. Proposed Water Supply:**

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

**********

**7. Desired Septic System Type:** *(You may rank in order of preference, if any)* ( ) **EXISTING SYSTEM installed** ____ *Year*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (✓) Other _____

**8. 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. industry) 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.

**9. Signature:** _____ 4-26-16

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

# AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Robert Price (Meritage Homes), am the legal owner of the property located at Bells Crossing, identified as PIN(Parcel Identification Number) Lot 178, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) Bateman Civil Survey Company, Michael Benfield, Matt Burdette, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

Signature of Owner — Date: 3/10/15

Signature of Witness — Date: 3/10/15

**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:**

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

**Signature:** Rick Rattley — 3/21/17

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

**USE THIS SPACE TO DRAW YOUR SITE PLAN**

Please See Attached Plot Plan and IP Documents Attached




**NOTE:**

ALL DIMENSIONS, LOCATIONS AND FEATURES SHOWN ON THIS PLOT PLAN ARE APPROXIMATE AND ARE ONLY AN ARTISTS RENDITION, EXACT LOCATION OF ALL FEATURES ARE SUBJECT TO CHANGE AND MAY NOT BE INSTALLED EXACTLY AS SHOWN ON PLANS AND/OR IN MODELS. PLACEMENT OF HOME, DRIVEWAY, SIDEWALKS AND EXTERIOR FEATURES ARE SUBJECT TO MODIFICATION AS DEEMED NECESSARY BY FIELD PERSONNEL.

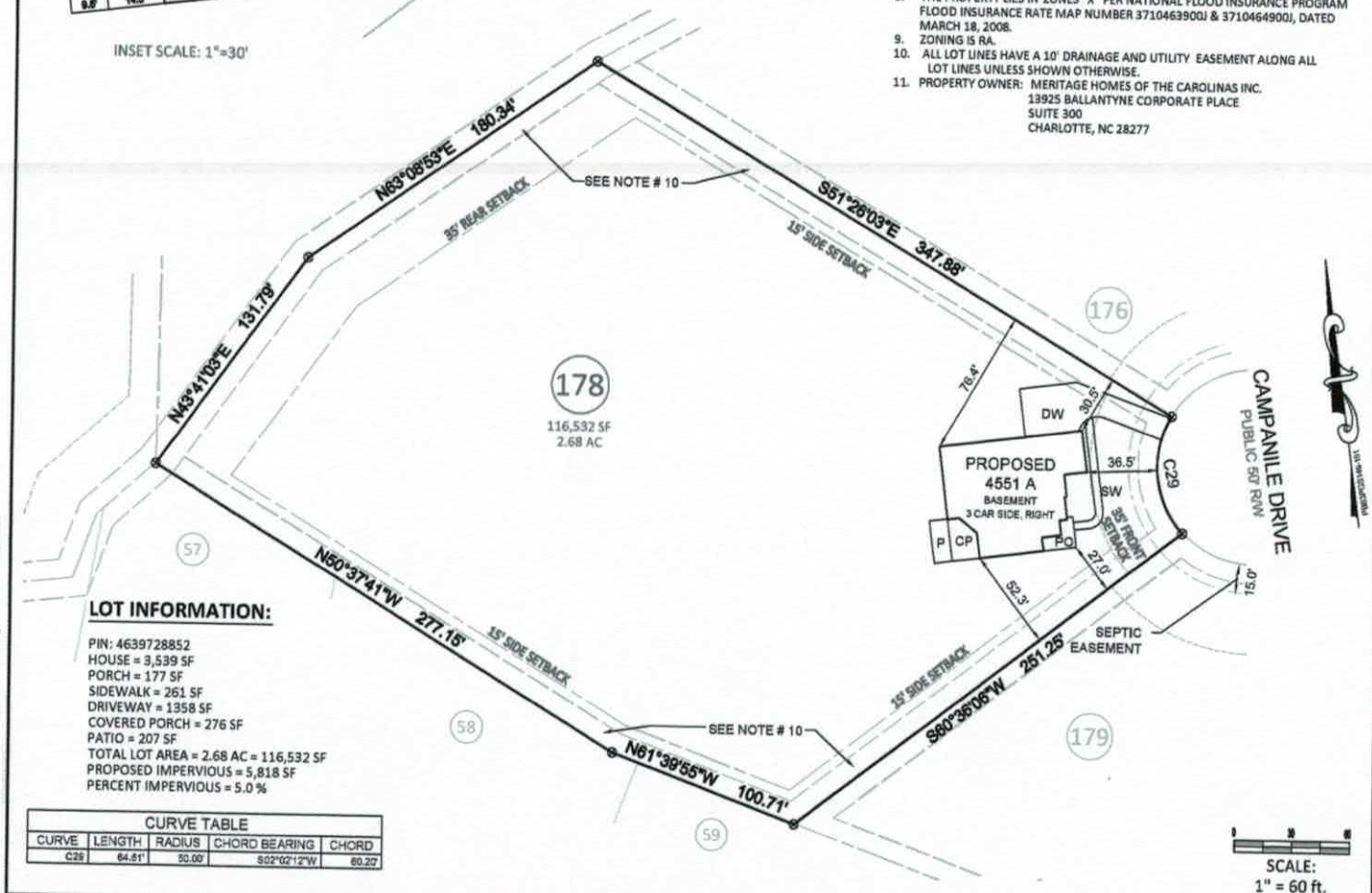
CUSTOMER DATE

CUSTOMER DATE

MERITAGE REPRESENTATIVE DATE

**NOTES:**

1. THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
2. THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
3. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT
4. VERTICAL DATUM IS ASSUMED. THE LATITUDE, LONGITUDE AND STATE PLANE COORDINATES, IF SHOWN, ARE GIVEN IN NORTH AMERICAN DATUM OF 1983 (NAD83).
5. FIELD EQUIPMENT USED: NIKON TOTAL STATION, EPOCH 35.
6. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
7. THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
8. THE PROPERTY LIES IN ZONES "X" PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NUMBER 3710463900J & 3710464900J, DATED MARCH 18, 2008.
9. ZONING IS RA.
10. ALL LOT LINES HAVE A 10' DRAINAGE AND UTILITY EASEMENT ALONG ALL LOT LINES UNLESS SHOWN OTHERWISE.
11. PROPERTY OWNER: MERITAGE HOMES OF THE CAROLINAS INC.
    13925 BALLANTYNE CORPORATE PLACE
    SUITE 300
    CHARLOTTE, NC 28277



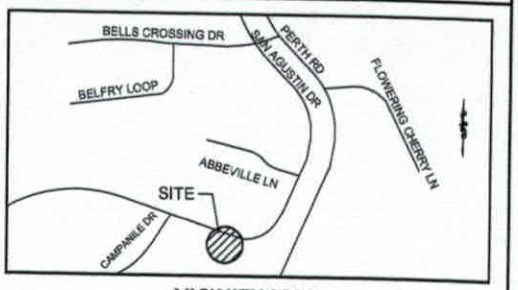

SCALE:
1" = 60 ft.

**LOT INFORMATION:**

PIN: 4639728852
HOUSE = 3,539 SF
PORCH = 177 SF
SIDEWALK = 261 SF
DRIVEWAY = 1358 SF
COVERED PORCH = 276 SF
PATIO = 207 SF
TOTAL LOT AREA = 2.68 AC = 116,532 SF
PROPOSED IMPERVIOUS = 5,818 SF
PERCENT IMPERVIOUS = 5.0 %

| CURVE TABLE | | | | |
|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | CHORD BEARING | CHORD |
| C29 | 84.81' | 50.00' | S02°02'12"W | 80.20' |

**Bateman Civil Survey Company**
Engineers • Surveyors • Planners
2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378




**VICINITY MAP**
(Not to Scale)

**LEGEND**

PO = PORCH
CP = COVERED PORCH
P = CONCRETE PATIO
WD = WOOD DECK
SW = SIDEWALK
DW = CONC DRIVEWAY
⊗ = COMPUTED POINT
○ = IRON PIPE FOUND
● = IRON PIPE SET
● = DRILL HOLE FOUND
WM = WATER METER
CO = CLEAN OUT
AC = AIR CONDITIONER
◯ = SEWER MANHOLE
EB = ELECTRIC BOX
◯ = CABLE BOX
▭ = TELEPHONE PEDESTAL
CI = CURB INLET
SP = SCREENED PORCH
☼ = LIGHT POLE

**BUILDING SETBACKS:**

FRONT = 35 ft
SIDE = 15 ft
REAR = 35 ft
SIDE STREET = 25 ft
LAKE BUFFER = 50 ft

I hereby certify that this map is correct and that the building lies wholly on the lot and that there are no visible encroachments on said lot.

PRELIMINARY

Steven P. Carson, PLS 4752
Date

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

**APPROVAL FOR STAKING:**

THIS PLOT PLAN AS PREPARED BY BATEMAN CIVIL SURVEY CO., IS CORRECT AND IS HEREBY APPROVED FOR STAKING ON THE DATE AS SHOWN BELOW.

MERITAGE HOMES REPRESENTATIVE DATE

# PRELIMINARY PLOT PLAN

FOR

MeritageHomes

**BELLS CROSSING - PHASE FOUR - LOT 178**
157 CAMPANILE COURT, MOORESVILLE, NC
DAVIDSON TOWNSHIP, IREDELL COUNTY

DATE: 3/20/17 DRAWN BY: RTD CHECKED BY: SPC

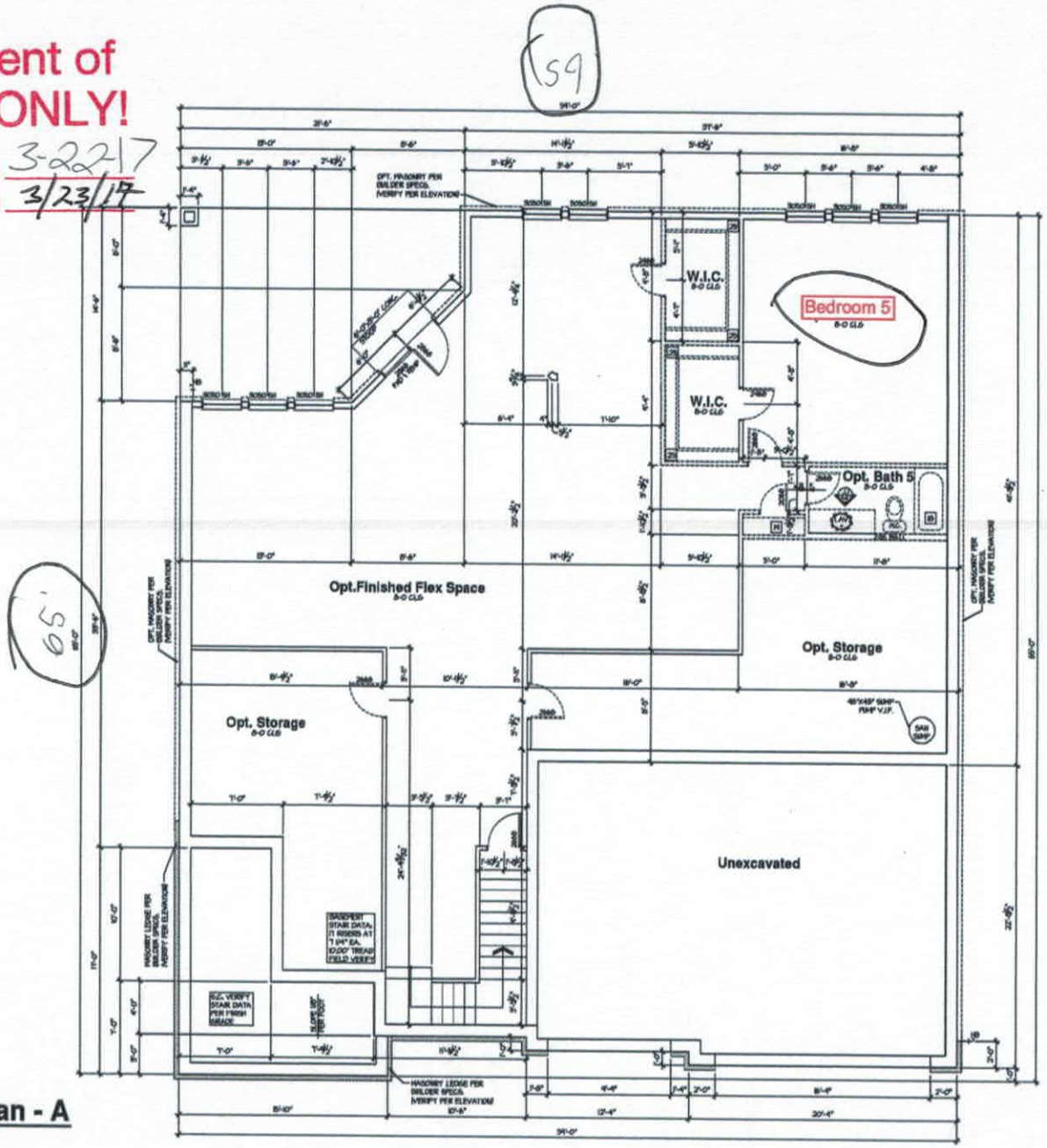
REF: PB 63, PGS. 146-151 BCS# 120314 SCALE: 1" = 60'

P:\2012 MLAR\120314 Bells Phase 4\dwg\120314 Bells Ph4 (Part 66.5 Acre) 3/22/2017 9:18:13 AM, rdement

Acknowledgement of
Plans Submittal ONLY!

Date 3-22-17

Date 3/23/17




## Opt. Walkout Floor Plan - A

0 2' 4' 8'

### FOUNDATION NOTES

1. STRUCTURAL FOUNDATION PLANS SHALL BE BY OTHERS. SEE STRUCTURAL FOUNDATION AND FRAMING PLANS FOR STEEL, COLUMN, STEEL BEAM, HOOD POST SIZES, AND DIMENSIONS.
2. DROP TOP OF FOUNDATION AT GARAGE DOOR.
3. EMERGENCY EGRESS: WINDOWS SHALL COMPLY WITH GOVERNING FIRE & BUILDING CODES. MAXIMUM SILL HEIGHT OF EGRESS WINDOW SHALL NOT BE MORE THAN 44" A.F.F.
4. WINDOW WELL AS SPECIFIED BY BUILDER CLEAR DIMENSIONS OF WELL SHALL BE 36"x36" MINIMUM W/ LADDER AT EGRESS WINDOWS.
5. DROP TOP OF FOUNDATION AT PORCH 5"DOP.
6. LINE OF FRAMING ABOVE.
7. LINE OF STOOP ABOVE.
8. HANDRAIL
9. 18"Ø PIT LOCATION AS REQUIRED BY SOILS ENGINEER.
10. 30"x30" CRAWL SPACE ACCESS PANEL, AS REQUIRED BY CODE.
11. APPLY 10 MIL POLYVINYL GROUND COVER OVER FINISH GRADE OF CRAWL SPACE, OR PER BUILDERS SPECIFICATIONS. INSULATE PER RESCHECK REQUIREMENTS.
12. MECHANICAL CRAWL SPACE VENTILATION PER LOCAL CODE.
13. OPTIONAL 5 WIRE SHELF LINEN
14. OPTIONAL WIRE SHELVING PER BUILDER SPEC.
15. OPTIONAL VANITY
16. FLOOR DRAIN
17. BEAM POCKET
18. LINE OF FLAP ABOVE.
19. PROVIDE MIN. 1/2" GYPSUM BOARD ON WALLS UNDER STAIR SURFACE, AND ON SOFFITS OF ENCLOSED ACCESIBLE SPACE UNDER STAIRS.
20. STANDARD BEARING WALL

### TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION: ASPHALT ROOF SHINGLES
B. TYPICAL FLOOR CONSTRUCTION: FINISH FLOORING ON 3/4" TONGUE & GROOVE FLOOR SHEATHING ON FLOOR TRUSSES OR FLOOR JOISTS AS NOTED ON STRUCTURAL DRAWINGS.
C. SLAB ON GRADE FLOOR CONSTRUCTION: 4" CONCRETE SLAB, THICKEN AS SPECIFIED BY SOIL REPORT, AND STRUCTURAL ENGINEER. INCLUDE VAPOR BARRIER PER SECTION IV, G, 3, a.
D. WINDOWS:
A. ALL WINDOWS SHALL COMPLY WITH MINIMUM STANDARDS OUTLINED IN APPLICABLE RES. 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 (SOLD) 8'-0" A.F.F. @ 9'-1 1/8" PLATE HEIGHT (SOLD)
E. ELECTRICAL: ALL ELECTRICAL AND MECHANICAL EQUIPMENT & FIXTURES ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS, CONTRACTOR TO VERIFY.
F. VENTING: PROVIDE RAGE DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.
G. STONE VENEER: 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.
M. ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED.
N. BRICK VENEER: INSTALL PER LOCAL CODE.

ISSUE DATE: 01/17/2017
REVISIONS:

5400 Trinity Road
Suite 107
Raleigh,
North Carolina 27607
919-322-2265 Phone

Meritage Homes

Meritage Homes

BSB DESIGN

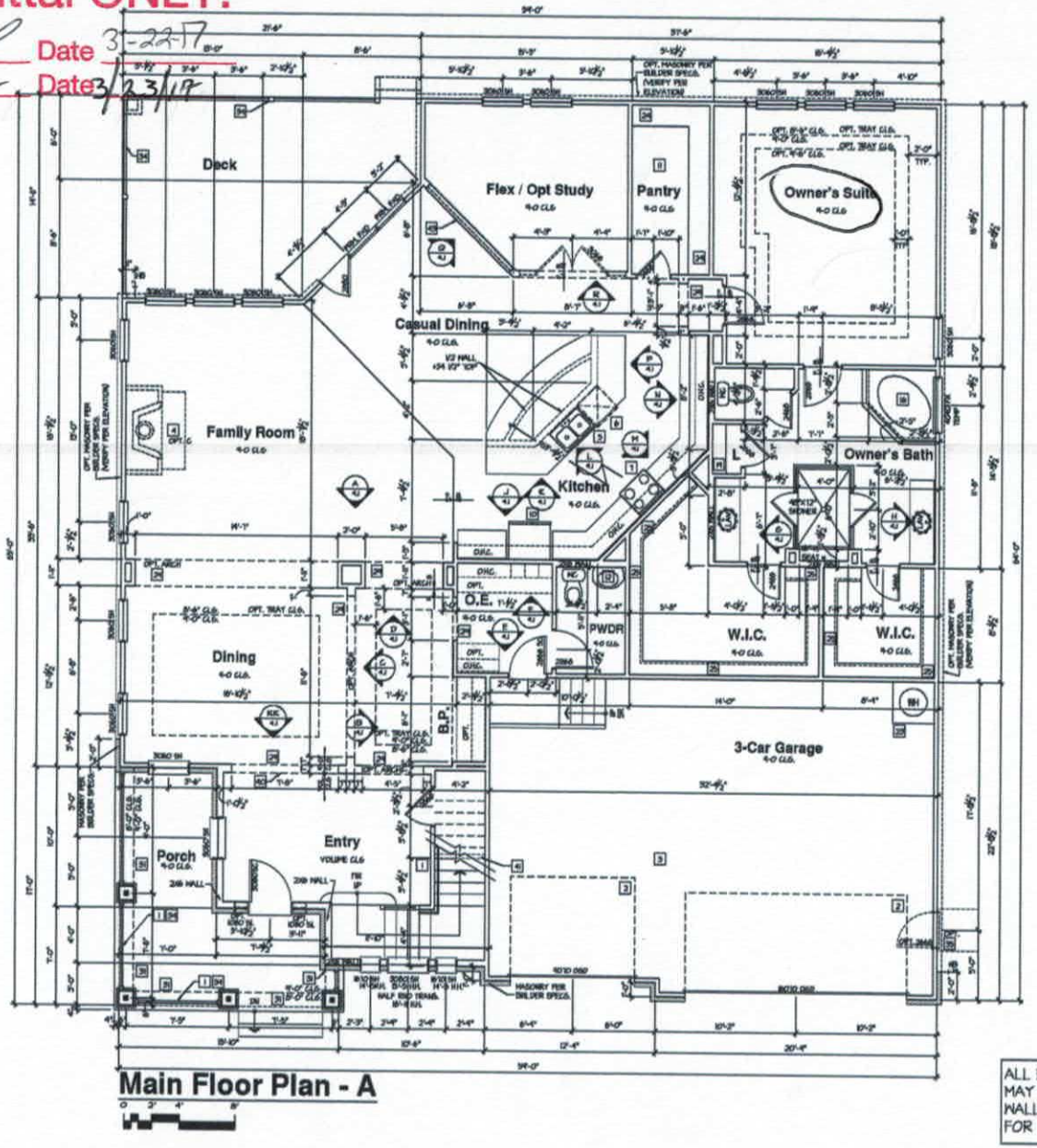
BASEMENT PLAN - A

Plan 4551
A0.1A

Acknowledgement of
Plans Submittal ONLY!

Date 3-22-17

Date 3/23/17




Main Floor Plan - A

0 3' 4' 8'

## FLOOR PLAN NOTES:

1. 9" RAILING / GUARDRAIL IS PROVIDED, ALL RAILING / GUARDRAIL BALUSTERS TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALUSTERS. RAILING/GUARDRAILS ARE TO BE AT A 34" MINIMUM TO 38" MAXIMUM HEIGHT A.F.F. FOR STAIRS AND 36" MINIMUM OR HORIZONTAL SURFACE RAILINGS.
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. 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" TUB 21" TO 22" OF DECKING
15. 30" X 60" TUB/SHOWER
16. 32" X 60" TUB/SHOWER
17. LINEN SHELVING PER BUILDER SPEC'S.
20. WASHER SPACE
21. DRYER, VENT
22. OPTIONAL LAUNDRY SINK.
23. PROVIDE NON-COMBUSTIBLE PLATFORM ELEVATED 8" ABOVE GARAGE FLOOR FOR WATER HEATER.
24. 5 SHELVES PER BUILDER SPECS.
25. LINEN AND LINEN SHELVING PER BUILDER SPECS.
26. ATTIC ACCESS (22 1/2"x30" MIN.).
27. ATTIC ACCESS W 5'-0" (25 1/2"x54 1/2") PULL-DOWN STAIRS (MIN. 8'-0" HT. FROM FLOOR & 11'-0" AT UPPER FLOOR END).
29. GYPSUM BOARD HIGH @ 11'-2" TO 8'-0".
30. GYPSUM BOARD LOW WALL, 36" A.F.F. (SOLID) W/ 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 LOW WALL WITH RAILING ABOVE.
34. PORCH RAIL, SEE ELEVATION.
35. 36"x36" CONCRETE STOOP.
36. 6x6 BEAM.
37. OPTIONAL UPPER CABINETS.
38. OPTIONAL CABINETS.
39. OPTIONAL COFFERED CEILING @ 8'-0" PER BUILDER SPEC.
40. LINE OF FRAMING ABOVE.
41. LINE OF FRAMING WALL BELOW.
42. 2x6 LOW WALL 42" A.F.F.
43. 2x6 LOW WALL 42" A.F.F.
44. ART NICHE
45. HORIZONTAL LAUNDRY CHUTE
46. LOW WALL 42" A.F.F.
47. GYPSUM BOARD ARCH @ 8'-0" TO 9'-6"
48. LOW WALL 32" A.F.F.
49. NO HARD LATCH OR LOCKING HDWR

## TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION: ASPHALT ROOF SHINGLES
B. TYPICAL FRAME FLOOR CONSTRUCTION: FINISH FLOORING ON 3/4" TONGUE & GROOVE FLOOR SHEATHING ON FLOOR TRUSSES OR FLOOR JOISTS AS NOTED ON STRUCTURAL DRAWINGS.
C. SLAB OR GRADE FLOOR CONSTRUCTION: 4" CONCRETE SLAB, EXCEPT AS SPECIFIED BY SOIL REPORT AND STRUCTURAL ENGINEER. INCLUDE VAPOR BARRIER PER SECTION M, G, S, H.
D. WINDOWS:
A. ALL WINDOWS SHALL COMPLY WITH MINIMUM STANDARDS OUTLINED IN APPLICABLE RES. 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 (SOLID) 8'-0" A.F.F. @ 9'-1 1/8" PLATE HEIGHT SOLID)
E. ELECTRICAL: ALL ELECTRICAL AND MECHANICAL EQUIPMENT & FIXTURES 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 SILLS: INSTALL PER LOCAL CODE.
H. DIMENSIONS ARE TO THE FACE OF STUD, U.N.O.
I. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
M. ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED.
N. BRICK SILLS: INSTALL PER LOCAL CODE.

## SQUARE FOOTAGES

| A | |
|---|---|
| MAIN FLOOR | 2264 |
| UPPER FLOOR | 1171 |
| BONUS | 0 |
| OPTIONAL | 0 |
| GARAGE | 0 |
| PORCH | 0 |
| OPT BALCONY | 0 |
| OPT | 0 |
| TOTAL | 3435 |

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

ISSUE DATE: 01/17/2014
REVISIONS


5400 Tilghy Road
Suite 107
Raleigh,
North Carolina 27607
919-322-2565 Phone


Meritage Homes

Meritage Homes

BSB DESIGN

www.bsbdesign.com
6021 Westcott Parkway, Suite 310
West Des Moines, Iowa 50266
515.223.0501

JOB NO. 14-0000 PROJECT #
DRAWN BY CHECKED BY

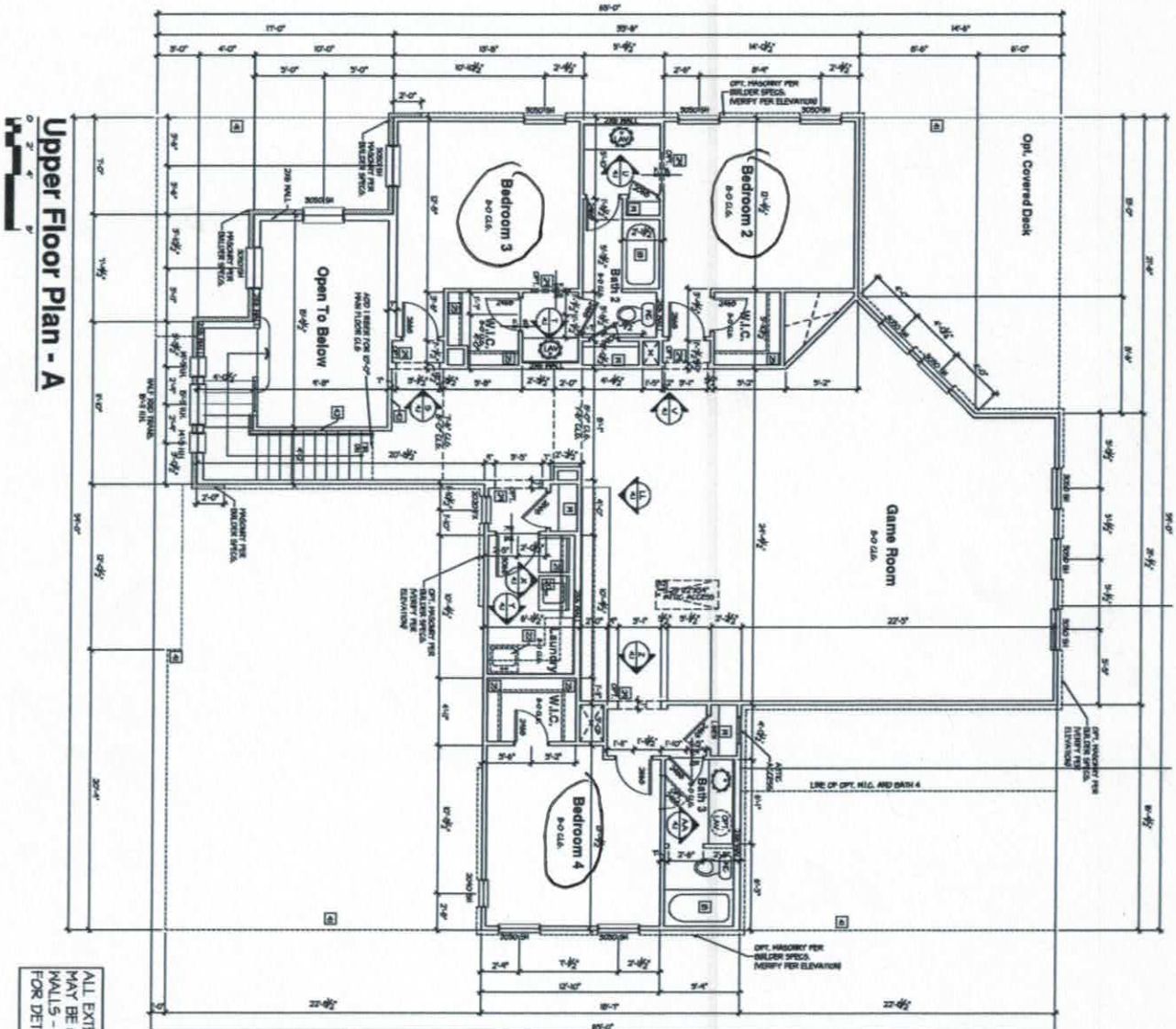
MAIN FLOOR PLAN - A

Plan 4551
A2.1A

Acknowledgement of Plans Submittal ONLY!

Date 3-22-17

Date 3-23-17




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

**FLOOR PLAN NOTES:**

**TYPICAL CONSTRUCTION ASSEMBLIES:**

**Meritage Homes**

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

ISSUE DATE: 01/17/2014

REVISIONS

Plan 4551
A2.2A

Bells Crossing Lot 178

# IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

| APPLICATION NUMBER |
|---|
| 212205 |
| Issue Date: 07/28/2015 |

## ZONING PERMIT

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4639834045.000 | 157 CAMPANILE DRIVE, MOORESVILLE, NC 28117 | IREDELL COUNTY |

| Owner Information | Applicant Information |
|---|---|
| Owner: MERITAGE HOMES OF NC INC | Applicant: MERITAGE HOMES |
| Address: 17851 N 85TH ST<br>MOORESVILLE, AZ 85255 | Address: 7761 BALLANTYNE COMMONS PKWY SUI T<br>CHARLOTTE, NC 28277 |
| Phone: | Phone: 704-944-8903 |

| Use Requested | Zone Code |
|---|---|
| SFD | RA |

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| 76.003 | 35.00 | 35.00 | 15.00 | 15.00 | CACL | AE |

**Remarks:**

PAID
1050d625
8-19-15

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

| Permit Number | 44913 | TOTAL FEES: | $ 77.25 |
|---|---|---|---|