IREDELL COUNTY HEALTH DEPARTMENT

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

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

PERMIT # 212213

PIN # 4639-83-4045 82-7417

APPLICANT/OWNER: BCSC

APPLICANT ADDRESS: 2524 Reliance Ave. Apex, NC

SITE ADDRESS: 133 Campanile Drive Mooresville, NC

PHONE: 704-658-8616 ALT. PHONE

SITE DIRECTIONS: Perth Rd N from 150 → L on Bells Crossing → L on S San Agustine → L on Campanile

SUBDIVISION: Bells Crossing

SAP CONTROLLED: ☒ YES ☐ NO

SECTION: 4 LOT # 183 LOT AREA: 0.63 acres

DESIGN FLOW: L.T.A.R.:

Septic Tank	1000	(gal)	STB	394	Date	7-17-17	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	1000	(gal)	PT	27	Date	8-2-17	System Description:	PM - 25% Reduction			
Pump Make	ZOELLER	Model	N152		Serial #		Repair System Description:	50% Reduction			
# Nitrification Fields	1	# Lines	6		Linear Ft	400	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36"	Trench Bottom Depth(Low side)			31"		Gravel Depth	—	☐ GRAVITY	☒ PRESSURE	

☒ Residence	No. Bedrooms	4	Water Supply	
☐ Business	No. Persons	8	☐ Private	
☐ Other	No. Employees		☐ Public	
☒ Slab	☐ Crawl Space		☒ Community	
☐ Basement w/plumbing			☐ Basement w/o plumbing	

Comments / Conditions: TAP configuration as follows: L4 = 1/2" SCH-40
L5 + L6 (serial connected) = 3/4" SCH 80
L7 = 1/2" SCH 40
L8 + L9b (serial connected) = 3/4" SCH 40 Total GPM: 36.82/min.

Recommend pumping septic tank every 3-5 years. Direct house down spouts away from tanks. Recommend setting floats to dose no more than 222 gallons/pumping event. * At time of site visit on 8/30/17, house already built *

INITIAL SITE SKETCH

See attached plans from BCSC + revised by ICHD

Dated 8/24/2017
Revised 9/7/2017

AS BUILT SKETCH

CHECKED TANKS 9-8-17 BA
CHECKED LINES, PM 9-14-17
CHECKED ELEC. & ALARM BA
SET 2' PM 9-21-17
BA



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: 9-7-17

IMPROVEMENT PERMIT by: Tom Shuck Date: 9/7/2017

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 9/7/2017

Installed by: ANDREW CARSON

OPERATION PERMIT by: BA Date: 9-21-17

Existing System Inspected by: BA Date:

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	WHITE	2.3	73
2	BLUE	2.8	74
3	ORANGE	3.5	16
4	YELLOW	4.5	78
5	PINK	5.6	79 82
6	WHITE	6.2	40 28
7	ORANGE	7.6	85 86
8	BLUE	9.3	95 90
9A	YELLOW	10.4	31
9B	YELLOW	10.4	39 22
10	WHITE	11.4	27
11	PINK	13.2	67

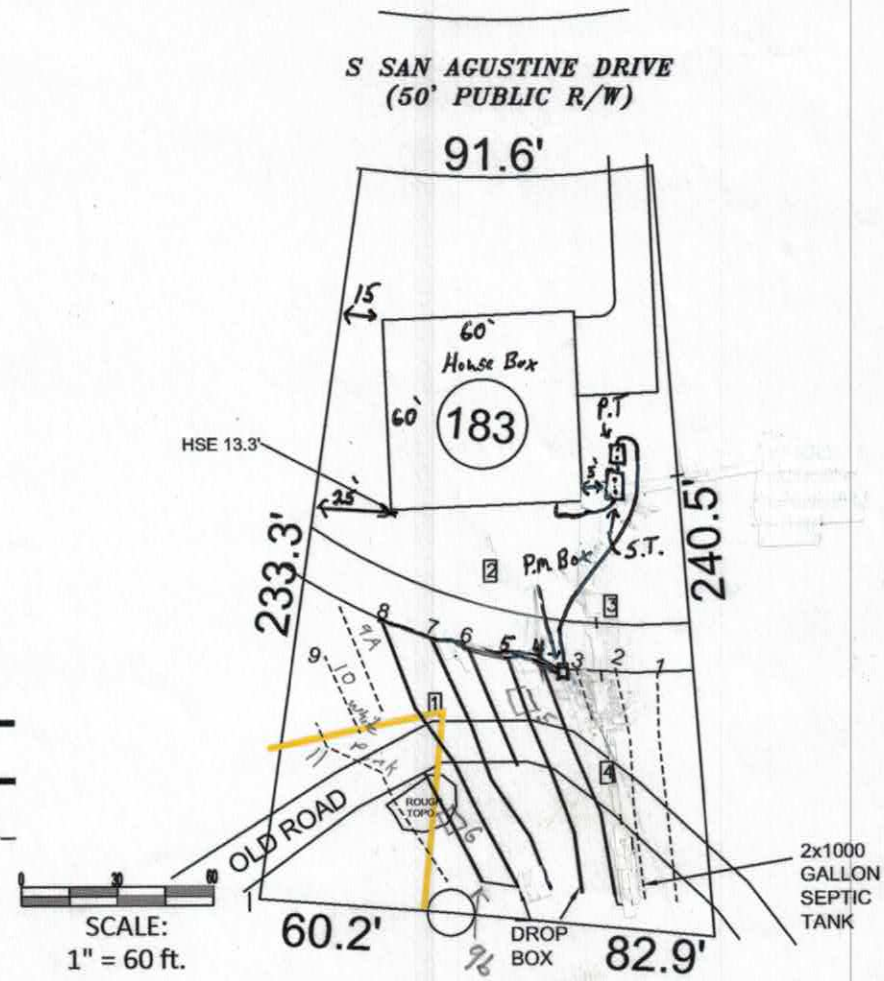
LOT 183 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 4-9A TOTAL 416 LINEAR FEET (USE 400FT)
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH

4-BEDROOM ACCEPTED STATUS LPP PANEL BLOCK GRAVITY SYSTEM REPAIR
LINES 1-3 9B-11 TOTAL 286 LINEAR FEET
CHAMBER
LTAR 0.3
50% REDUCTION 8' OC
36" TRENCH DEPTH MAX

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
IREDELL COUNTY ENVIRONMENTAL HEALTH



Approved
9/7/2017

Bateman Civil Survey Company
Engineers Surveyors Planners
200 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

MeritageHomes

LOT 183
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 8/24/17 DRAWN BY: MDB CHECKED BY:MDB

Revised 9/7/17

DHHS

ON-SITE WASTEWATER SECTION

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: 6-11-16
PROPOSED FACILITY: 4 BR House PROPOSED DESIGN FLOW (.1949): ~~500~~ 480 GPD PROPERTY SIZE: 0.63 acres
LOCATION OF SITE: Lot 193 Bells Crossing 133 Campanile Dr. 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	shoulder 8%	0-29	R Clay W. SBK	Firm, SS, Sp, Serp	—	62	—	—	0.3 PS
		29-62	R. Clay Loam W. SBK	Friable, SS, Sp, Serp					
			some SAP @ 54"-62"						
2	Shoulder 6%	0-34"	R. Clay M SBK/ASK	SI. Firm, SS, Sp, Serp	—	63	—	—	0.3 PS
		34-62	R. Clay Loam W. SBK	Friable, SS, Sp, Serp					
3	HS Summit 5%	0-34	R. Clay W/m SBK/ASK	SI. Firm, SS, Sp Serp	—	64			0.325 PS
		34-64	R. Clay Loam W. SBK	Friable, SS, Sp, Serp					
			some mica						
4	HS Sloping Shoulder 7%	0-33	R. Clay W. SBK	SI. Firm, SS, Sp, Serp	—	55	—	—	0.3 PS
		33-55	R. Clay Loam W. SBK	Friable, SS, Sp, Serp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	333 L.F	333 LF
System Type(s)	LP PP BMS	LP PP BMS
Site LTAR	0.3	0.3

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

COMMENTS: ____

RECEIVED AUG 24 2017

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 $320.00

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

****

212213

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 #
BCSC	2524 Reliance Ave Apex NC	704-658-8616	
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**
Meritage Homes	11605 N Community House Rd Charlotte NC		

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
133 Campanile Dr	Bells Crossing	4-183

Driving Directions: 150 W, R on Perth, Linto Bells Crossing L ont S Sea Agrotine, L Onto Campanile 3rd Lot on the left.

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 due to _____
(✓) Other Redraw

Maximum Number of Bedrooms 4
Maximum Number of Occupants 8
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: _____ 8-24-17

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

RECEIVED MAR 2 4 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 #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
133 Campanile Court	Bells Crossing	Lot 183

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 4
Maximum Number of Occupants 8
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)

3/8/17
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 183 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 HEALTH DEPARTMENT

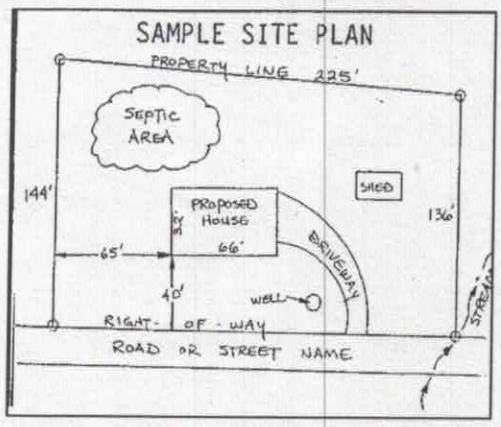
ENVIRONMENTAL HEALTH DIVISION

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:

- ( ) Property Line measurements are clearly identified
- ( ) All proposed structures are indicated
- ( ) Front and side setbacks from property line
- ( ) Preferred driveway location and well location
- ( ) Area you prefer your septic system to be placed
- ( ) 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

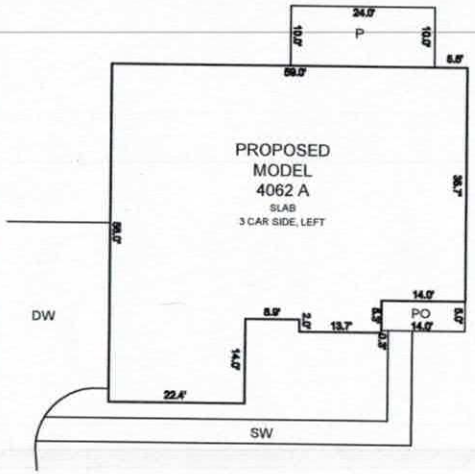
USE THIS SPACE TO DRAW YOUR SITE PLAN

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: _____ 3-24-17

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



INSET SCALE: 1"=20'

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' UTILITY/STORM EASEMENT ALONG LOT LINES.
11. PROPERTY OWNER: MERITAGE HOMES OF THE CAROLINAS INC.
    13925 BALLANTYNE CORPORATE PLACE
    SUITE 300
    CHARLOTTE, NC 28277

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C11	92.37'	325.00'	N89°54'03"E	92.06'

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.

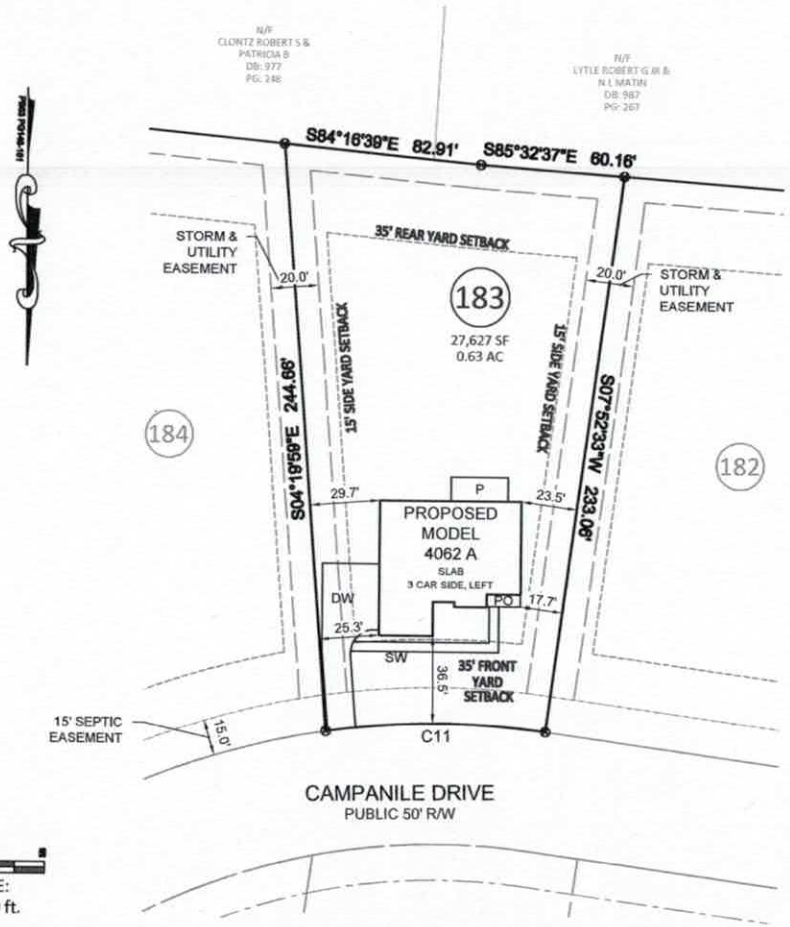
CUSTOMER DATE

CUSTOMER DATE

MERITAGE REPRESENTATIVE DATE

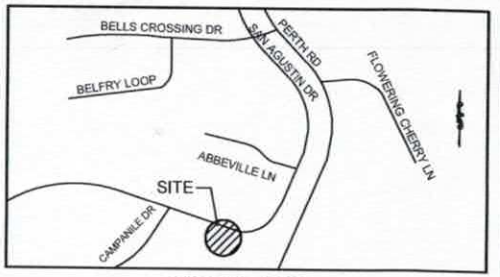
LOT INFORMATION:

PIN: 4639827417
HOUSE = 2,773 SF
PORCH = 70 SF
SIDEWALK = 306 SF
DRIVEWAY = 1,205 SF
PATIO = 240 SF
TOTAL LOT AREA = 0.63 AC = 27,627 SF
PROPOSED IMPERVIOUS = 4,594 SF
PERCENT IMPERVIOUS = 16.6 %



SCALE:
1" = 50 ft.

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 183
133 CAMPANILE COURT, MOORESVILLE, NC
DAVIDSON TOWNSHIP, IREDELL COUNTY

DATE: 3/1/17 DRAWN BY: DMH CHECKED BY: SPC

REF: PB 63, PGS. 146-151 BCS# 120314 SCALE: 1" = 50'

I:\BCS-SER-PD-001\land\Projects\2012 MLS\120314 Bells Ph4 Plat MLS.dwg, 3/1/2017 10:48:39 AM, dhunter

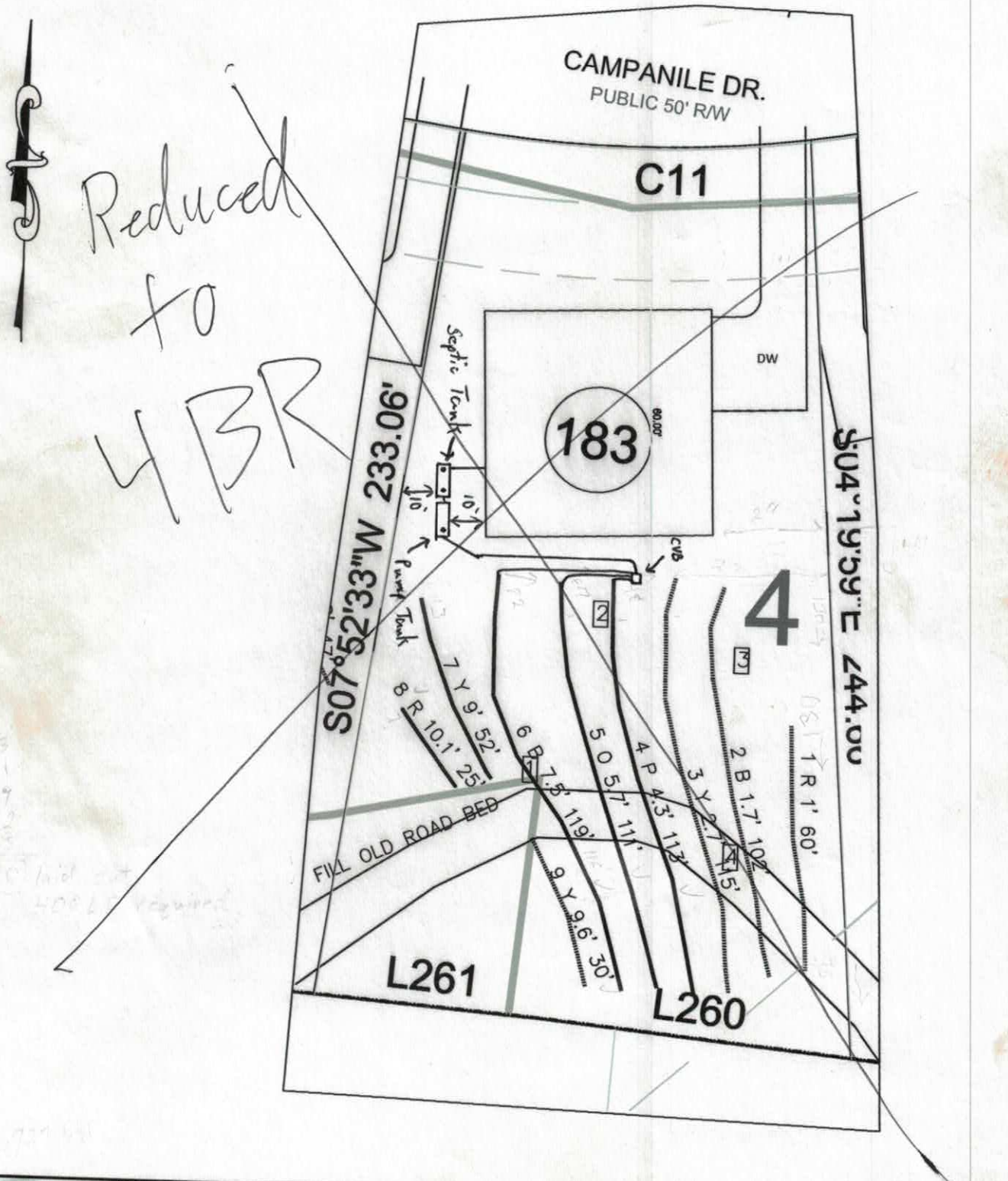
LEGEND

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

0 20 40

SCALE:
1" = 40 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



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

SEPTIC SITE PLAN LOT 183
BELLS CROSSING SUBDIVISION

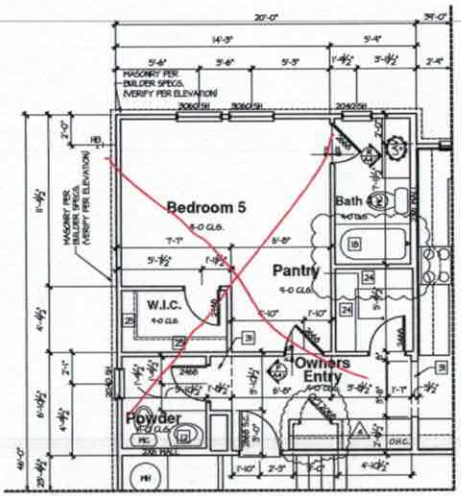
IREDELL COUNTY , NORTH CAROLINA
DATE: 04/25/16 DRAWN BY: SPC CHECKED BY: SPC

Acknowledgement of Plans Submittal ONLY!

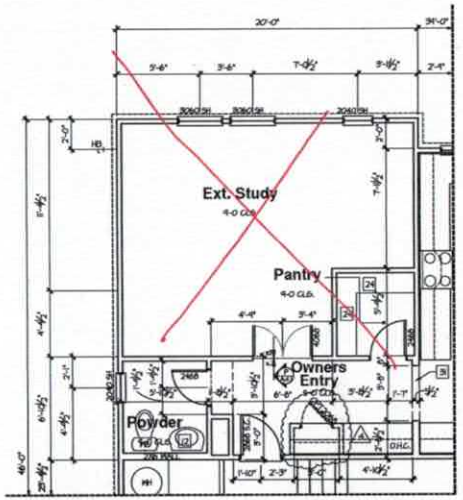
B. Botkins Date 3/24/17

Date 3-24-17

59'-0"

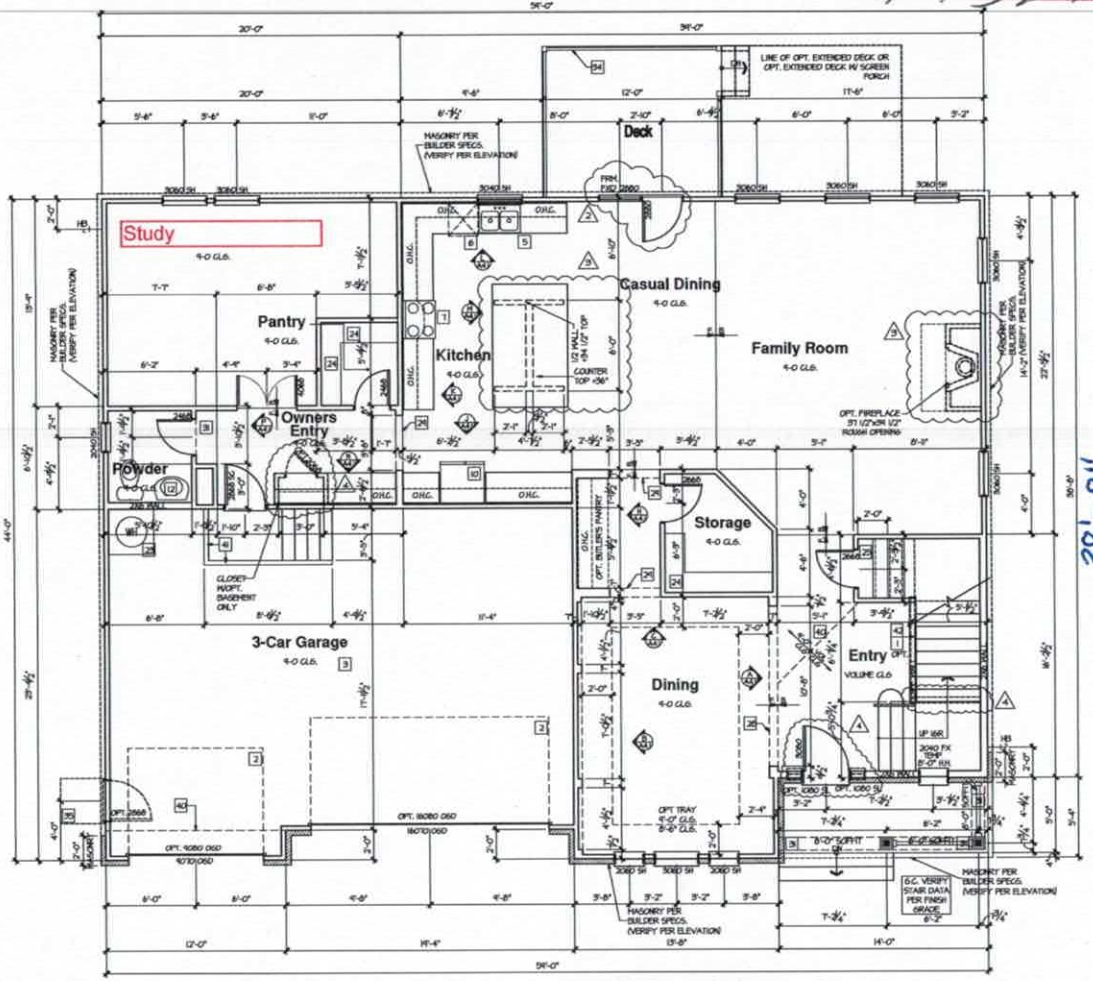


Main Floor - Opt Bedroom 5



Main Floor - Opt. Ext. Study

44'-0"



59'-0"

38'-8"

Main Floor Plan - A

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

SQUARE FOOTAGES	
MAIN FLOOR	1786
UPPER FLOOR	2233
SUBTOTAL	4019
GARAGE	644
PORCH	50
TOTAL	4625

FLOOR PLAN NOTES:

1. IF RAILING / GUARDRAIL IS PROVIDED, ALL RAILING / GUARDRAIL BALUSTERS TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALUSTERS. RAILINGS/HANDRAILS ARE TO BE AT A 34" MINIMUM TO 36" MAXIMUM HEIGHT A.F.F. FOR STAIRS AND 36" MINIMUM ON HORIZONTAL SURFACE GUARDS.
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. SHOWER (SIZE AS NOTED)
14. N/A
15. 42" X 60" TUB 2" TO TOP OF DECKING
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 18" ABOVE GARAGE FLOOR FOR WATER HEATER.
24. 5 SHELVES PER BUILDER SPECS.
25. LINEN AND SHELF PER BUILDER SPECS.
26. ATTIC ACCESS (22 1/2"x32" U.N.O.)
27. ATTIC ACCESS W/ STAIRS (25 1/2"x54 1/2")
28. 5/8"GYP BOARD ENCLOSE @ 8'-0" AT 1ST FLOOR & 1'-0" AT UPPER FLOOR U.N.O.
29. 5/8"GYP BOARD ARCH @ 1'-2" TO 8'-0".
30. 5/8"GYP BOARD LOW WALL, 36" A.F.F. U.N.O.) W/ HDR CAP.
31. SOFFIT, REFER TO EXTERIOR ELEVATIONS FOR HEIGHTS & ARCHITECTURAL DETAILS FOR FINISH.
32. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
33. HALF WALL W/ HOOD CAP OR OPTIONAL LOW HALL 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'-6" PER BUILDER SPEC.
40. LINE OF FRAMING ABOVE.
41. LINE OF FRAMING WALL BELOW.
42. 2X4 LOW WALL 42" A.F.F.
43. 2X6 LOW WALL 42" A.F.F.
44. ART NICHE
45. HORIZONTAL LAUNDRY GATE
46. LOW WALL +24" A.F.F.
47. 6YPSUM BOARD ARCH @ 8'-0" TO 8'-6"
48. LOW WALL 3'-6" A.F.F.
49. NO HARD LATCH OR LOCKING KNOB

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

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 (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.

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 SIDING:
INSTALL PER LOCAL CODE.

ISSUE DATE: 01/17/2014
REVISIONS:

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

Meritage Homes

Meritage Homes

BSB DESIGN
www.bsbdesign.com
8201 Westmen Parkway, Suite 200
West Des Moines, Iowa 50266
515 273 3520

JOB NO. 259-4062
SHEET # A2.1A
PROJ MGR:
DRAWN:
MAIN FLOOR PLAN - A

259-4062
A2.1A

Acknowledgement of Plans Submittal ONLY!

B. Bolkins Date 3/24/17.

Date 3-24-17

42'-0"

59'-0"

Upper Floor Plan - A

0 2' 4' 8'

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

FLOOR PLAN NOTES:

THE FOLLOWING KEYNOTES REFERENCE THE SYMBOLS AS SHOWN ON PLANS

1. IF RAILING / GUARDRAIL IS PROVIDED, ALL OPENINGS SHALL BE SMALL ENOUGH TO PREVENT A SPHERE GREATER THAN 4" IN DIAMETER FROM PASSING THROUGH. TOP OF RAILING SHALL BE MINIMUM 36" ABOVE NOSING OF STAIRS AND 42" MINIMUM HEIGHT A.F.F. FOR DECKS AND BALCONIES MORE THAN 30" A.F.F.
2. LINE OF OVERHEAD GARAGE DOOR IN OPEN POSITION.
3. TEMPERED GLAZING REQUIRED AT DOOR PANELS, TUB/SHOWER ENCLOSURES, WINDOWS WITHIN 24" ARC OF EITHER VERTICAL EDGE OF DOOR IN CLOSED POSITION, AND WINDOWS WITHIN 18" OF FINISHED FLOOR. ALL GLAZING SHALL BE IDENTIFIED BY A PERMANENT LABEL AS SPECIFIED BY BUILDER.
4. RECESSED MEDICINE CABINET WITH BELT MIRROR. ALL MIRRORS SHALL COMPLY WITH LOCAL CODES.
5. SEE KITCHEN PLAN FOR APPLIANCE SPECIFICATIONS.
6. SEE PLAN FOR HARDWARE FINISH.
7. GARBAGE DISPOSAL.
8. DISHWASHER.
9. RANGE.
10. RANGE TOP.
11. OVEN.
12. REFRIGERATOR SPACE.
13. PEDESTAL SINK.
14. SHOWER DOOR AS NOTED
15. 42" x 60" TUB ZIP TO TOP OF ENCLOSURE
16. 60" x 60" SHOWER PAN
17. 30" x 60" TEMPSHOWER
18. LINEN SHELVING PER BUILDER SPECS.
19. DRYER VENT SPACE
20. OPTIONAL LAUNDRY SINK.
21. ELEVATED NON-CONCRETE PLATFORM FOR HOUSE HEATER.
22. ATTIC ACCESS (2'-0"x30" MIN.) FROM CLOSET OR FLOOR 1 (1'-0" AT UPPER FLOOR UNO.)
23. ATTIC ACCESS (2'-0"x30" MIN.) FROM GARAGE CEILING (24" CLR. AT UPPER FLOOR UNO.)
24. 5/8" GYPSUM BOARD ANCH @ 1'-2" TO 8'-0" ABOVE FINISH FLOOR UNO.
25. 5/8" GYPSUM BOARD ANCH @ 7'-2" TO 8'-0" ABOVE FINISH FLOOR UNO.
26. 5/8" GYPSUM BOARD LOW HALL 80" A.F.F. (UNO)
27. SOFFIT, REFER TO EXTERIOR ELEVATIONS FOR FINISHES & ARCHITECTURAL DETAILS FOR CONSTRUCTION.
28. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
29. HALL WALL IN FRONT OF OPTIONAL LOW FURRED RAIL, SEE ELEVATION.
30. 36" HIGH CONCRETE STOOP.
31. OPTIONAL UPPER CABINETS.
32. OPTIONAL CABINETS.
33. BUILDER SPEC.
34. LINE OF TEARING ABOVE.
35. 42" LOW WALL 42" A.F.F.
36. 24" LOW WALL 42" A.F.F.
37. HORIZONTAL LAUNDRY GATE.
38. LOW HALL 24" A.F.F.
39. LOW HALL 830" A.F.F.
40. NO HARD LATCH OR LOCKING KNOB

TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION
ASPHALT ROOF SHINGLES
B. FRESH FLOORING OR 3/4" CONSOLE, GROOVE FLOOR SHEATHING OR FLOOR TRUSSES OR RAFTERS AS NOTED OR STRUCTURAL DRAWINGS.
C. SLAB ON GRADE FLOOR CONSTRUCTION.
D. BRIDGES
A. ALL FRAMING SHALL COMPLY WITH APPLICABLE REQ. CODES.
B. WOOD SUPPLIED TO VERIFY AT LEAST CLEAR SPANS OF 40 SQ. PSF WITH A 20 PSI HIL DEFLECTION OF 1/360 OR LESS.
C. TYPICAL WOOD HEAD HEIGHT
7'-0" A.F.F. & 8'-1 1/8" PLATE HEIGHT (UNO)
8'-0" A.F.F. & 9'-1 1/8" PLATE HEIGHT (UNO)
E. ELECTRICAL
ALL ELECTRICAL AND MECHANICAL EQUIPMENT TO BE INSTALLED TO CODE REQUIREMENTS.
F. PROVIDE SHOP DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.
G. REFER TO LOCAL CODE.
H. DIMENSIONS ARE TO THE FACE OF STUD.
I. ALL EXTERIOR DIMENSIONS ARE TO FACE OF SIDING UNLESS OTHERWISE NOTED.
J. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
K. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
L. BRICK SIDING
INSTALL PER LOCAL CODE.

Meritage Homes

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

BSB DESIGN

ISSUE DATE: 01/17/2014

REVISIONS

UPPER FLOOR PLAN - A

259-4062

A2.2A

Bells Crossing Lot 183

IREDELL COUNTY

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

APPLICATION NUMBER
212213
Issue Date: 07/28/2015

ZONING PERMIT

Parcel Number	Street Address	Jurisdiction
4639834045.000	133 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 MOORESVILLE, AZ 85255	Address: 7761 BALLANTYNE COMMONS PKWY SUIT 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
✓70506630
8-19-15

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

Applicant: _____ Date: _____

	44918
TOTAL FEES:	$ 77.25