LL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-36

ENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM PIN # 4639-

BCSC

ADDRESS: 155 Campanile Dr. Mooresville NC 28117 APPLICANT ADDRESS: 2524 Reliance Ave. Apex, N

SITE DIRECTIONS: Rt 150 W towards Lake Norman → Ron Perth Rd → L on Bells Crossing Dr → L on S. San Agustine Dr

SUBDIVISION: Bells Crossing SECTION: 4 LOT # 179 / 194 / 195 LOT AREA: 0.8 + 0.47 acres PHONE: 704-658-8616 ALT. PHONE:

Septic Tank 1250 (gal) STB 33 Date 7-31-17 ☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI DESIGN FLOW: 600 GPD L.T.A.R.: 0.30

Pump Tank 1250 (gal) PT 477 Date 7-30-17 System Description: PM - 25% Reduction ☒ Residence ☐ Business ☐ Other

Pump Make ___ Model ___ Serial # ___ Repair System Description: LP - PPBPS (50% Reduction) No. Bedrooms 5 No. Persons 10 No. Employees ___

Nitrification Fields 1 # Lines 5 Maintenance Agreement Required: ☐ YES ☒ NO Water Supply ☐ Private ☐ Public ☒ Community

Trench Width 36" Linear Ft: 500 ☐ GRAVITY ☒ PRESSURE w/o plumbing ☐ Crawl Space ☐ Slab ☒ Basement w/plumbing ☐ Basement

Max. Trench Bottom Depth 32" Flowsite Gravel Depth ___

Comments / Conditions: Follow all N.C. septic rules. Recommend pumping septic tank every 3-5 years. A recorded easement (with Deed Book + Page Numbers) must be provided by the applicant at the time the AC is applied for prior to the parcel ever being sold. If a whole-house ejector is used in the basement then a 2nd septic (trash) tank of equal size must be used in series. 4/28/17: Though a 4 BR house is being constructed (per the 5 BR system MUST be installed. (Morphast)

INITIAL SITE SKETCH AS BUILT SKETCH

See attached construction plans from Bateman Civil Survey CO. Dated: 4-25-16 Approved: 8-17-16

*=2096' pump line *: see engineer design for pump line Recommend following Manifold Tap sizes:

Line 2 (99') = 3/4" SCH-80 @ 10.1 GPM

Line 3 (115') = 3/4" SCH-40 @ 12.5 GPM

Line 4 (118') = 3/4" SCH-40 @ 12.5 GPM

Line 5 (117') = 3/4" SCH-40 @ 12.5 GPM

Line 1 (SD) = 1/2" SCH-80 @ 5.48 GPM

≈53.08 GPM

See attached State approval letter from Tricia Agnoli (Dated 9-14-2016) + supplementary design information packet#

Drain Lines Checked

Tanks Checked

Pressure Manifold or Valve Box Checked

Pressure Head Set

Electrical Checked

Floats Set

Alarm Checked

Maintenance Contract Y / N

Date	Initials
9-2017	MD
9-8-17	BA
1-29-18	BB
1-30-18	KW
1-29-18	BB
1-29-18	BB
1-29-18	BB

CHECKED TANKS 9-8-17 BA

Checked lines 9/20/17 DMD

*Off site septic on Lot 195

PIN #4639-82-8756

4100

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

☒ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not

Owner / Applicant Signature: Date: 9/11/16 Installed by: ANDREW CARSON

IMPROVEMENT PERMIT by: Date: 8-17-16 OPERATION PERMIT by: Date: 4/28/17

AUTHORIZATION TO CONSTRUCT by: Date:

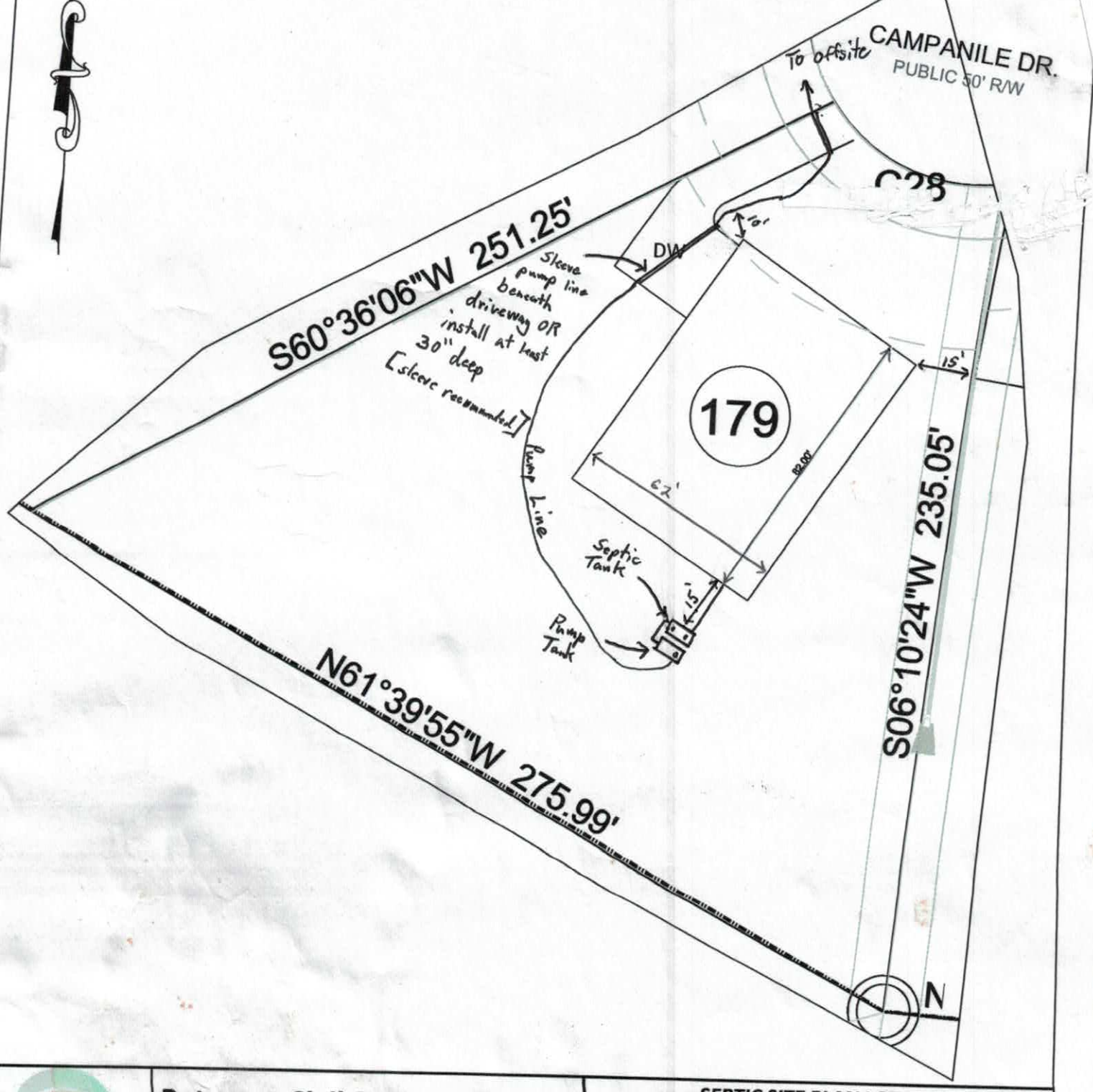
LEGEND

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 IR
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

www.batemancivilsurvey.com info@batemancivilsurvey.com

NCBELS Firm No. C-2378

SEPTIC SITE PLAN LOT 179
BELLS CROSSING SUBDIVISION

IREDELL COUNTY , NORTH CAROLINA

DATE: 04/25/16 DRAWN BY: SPC CHECKED BY: SPC

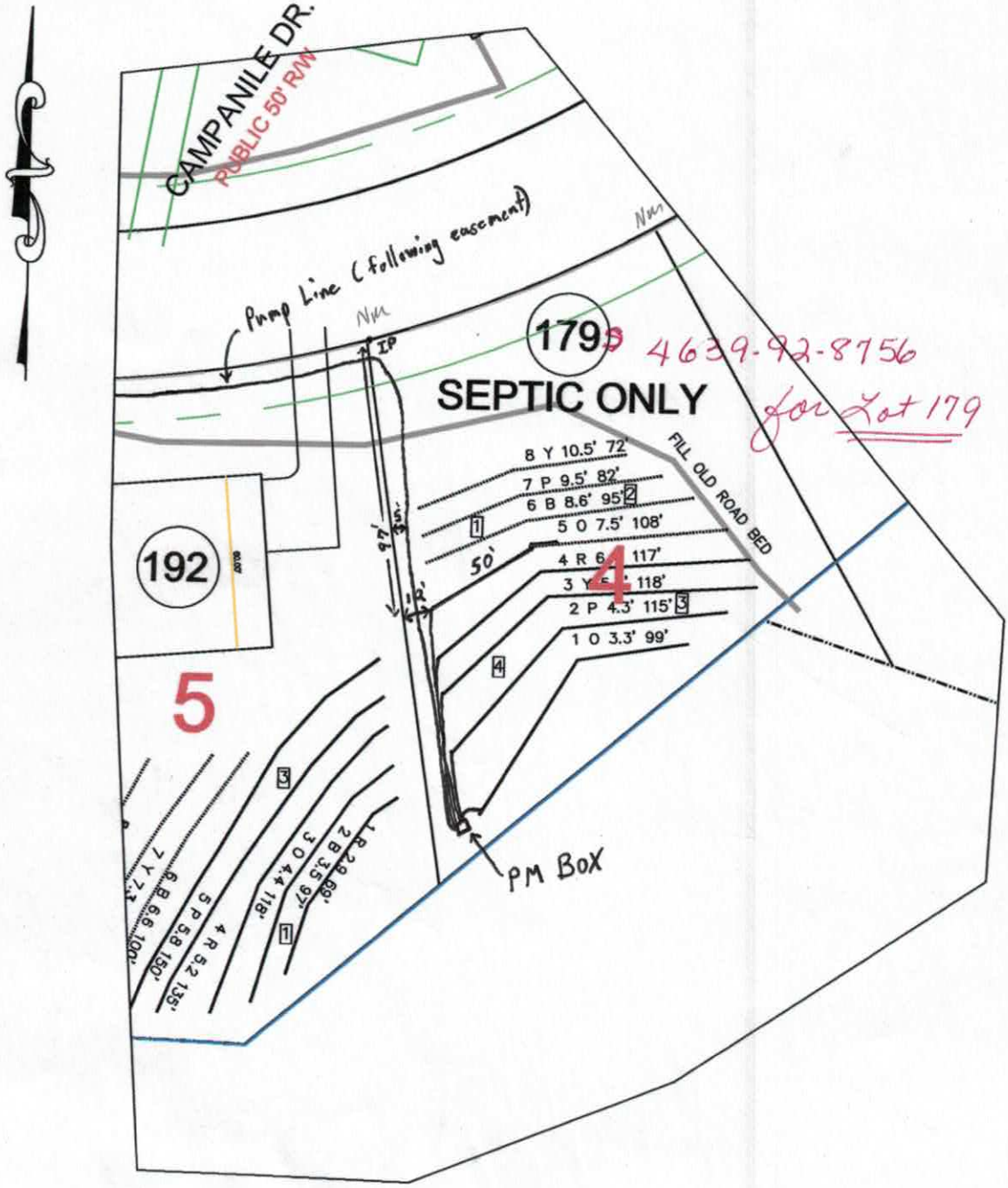
LEGEND

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

0 30 60

SCALE:
1" = 60 ft.

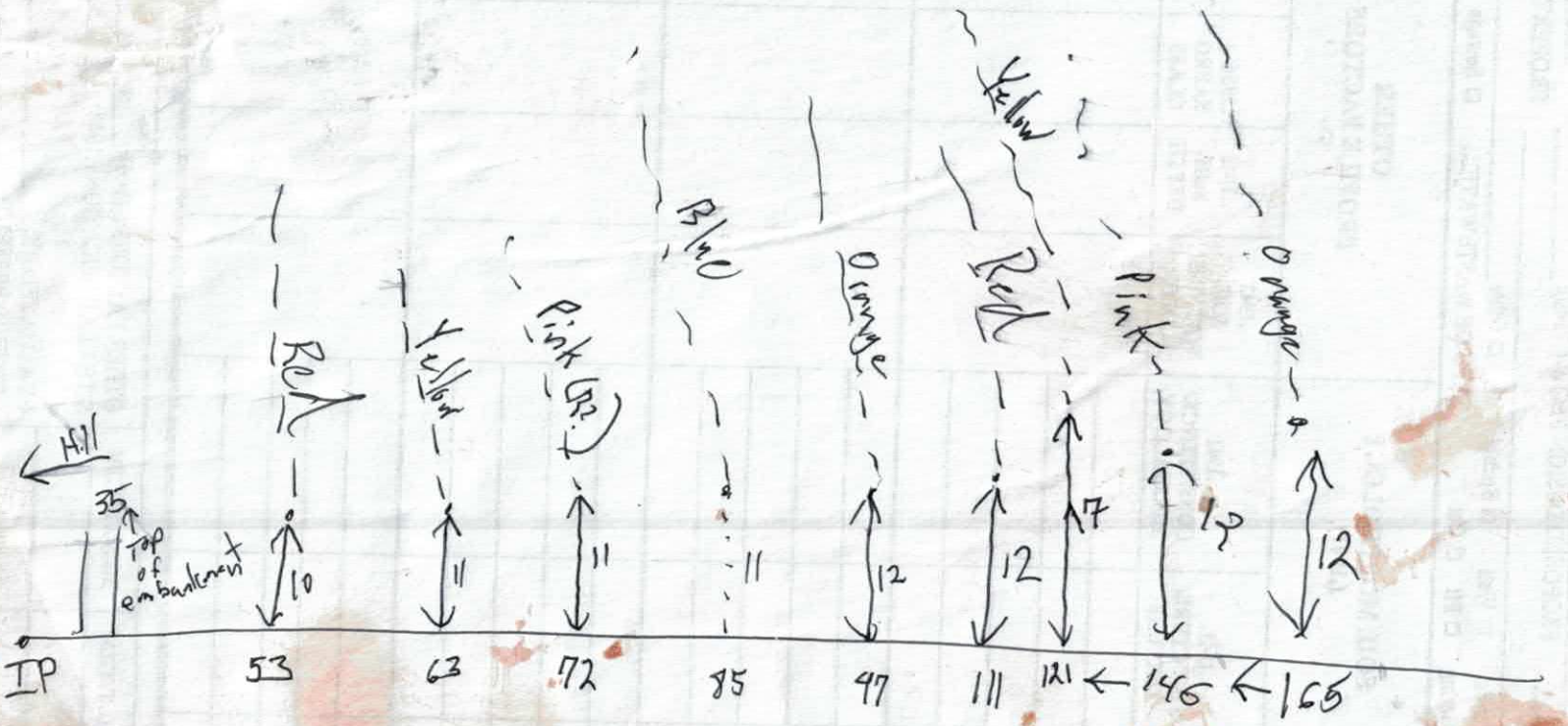
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SEPTIC SITE PLAN LOT 179
BELLS CROSSING SUBDIVISION

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


Hill
35
top of embankment
IP
Red
10
53
Yellow
11
63
Pink (R)
11
72
Blue
11
85
Orange
12
97
Red
12
111
Yellow
17
121
Pink
12
146
Orange
12
165

Public Health
HEALTH AND HUMAN SERVICES

RICHARD O. BRAJER
Secretary

DANIEL STALEY
Director, Division of Public Health

September 14, 2016

Mr. Thomas Shuck
Iredell County Health Department
610 East Center St
Mooresville, NC 28115

Subject: Approval of Supply Line Designs for Bells Crossing Lots 171, 172, 173, 174, and 179
Iredell County, NC

Dear Mr. Shuck:

We have reviewed revised plans and specifications for the supply lines serving Bells Crossing Lots 171, 172, 173, 174, and 179 received from Brian Kraynak, PE, Bateman Civil Survey Company, PA.

The revised supply line designs are approved for the above listed lots.

A registered professional engineer must certify that the systems have been installed in accordance with the approved plans and specifications. This certification is based upon periodic observations of construction and a final inspection for design compliance by the certifying engineer or his representative. Record drawings must be provided by the engineer unless the installation is completed without alteration to the approved plans. The installation must be approved by the health department prior to the issuance of an operation permit.

Please contact us if you have any questions pertaining to this letter or if we may be of further assistance with this project. I can be contacted at 919-707-5878 or by email at trish.angoli@dhhs.nc.gov.

Sincerely,

Tricia Angoli, PE
On-Site Wastewater Engineering

cc: Brian Kraynak, PE, Bateman Civil Survey Company, PA

Pressure Manifold
Septic System Design

for

Bells Crossing PH 4 S/D Lot 179
Mooresville, North Carolina

Designed by:

Matt Burdette
Central Carolina Soil Consulting, PLLC
Wake Forest, North Carolina

Engineer:

Brian Kraynak, PE
Bateman Civil Survey Company, PA
Apex, North Carolina
BCSC Project #: 120314.179



08/17/2016

8-18-2016

Bells Crossing PH 4 S/D Lot 179

Table of Contents

Contact Information ---------- 1
Specifications (system) ---------- 2
Tap Chart (system) ---------- 3
Control Panel Specifications ---------- 4
Pump Specifications ---------- 6
Effuent Filter Specifications ---------- 8
Site Plan (System) ---------- 10
Supply Line Hydraulic Profile ---------- 11
Septic and Pumptank Details ---------- 12
Pressure Mainfold and Trench Details ---------- 13

Bells Crossing PH 4 S/D Lot 179

Contact Information

Client:	Meritage Homes
Attn:	Robert Price
Street Address:	11605 North Community House Road Charlotte, NC 28277
Phone:	(704) 944-8939
Fax:	na

Engineer:	Bateman Civil Survey Company, PC
Attn:	Brain Kraynak, PE
Street Address:	2524 Reliance Ave. Apex, North Carolina 27539
Phone:	919-577-1080
Fax:	919-577-1081

Designer:	Central Carolina Soil Consulting, PLLC
Attn:	Matt Burdette
Street Address:	1900 South Main Street Wake Forest, North Carolina 27587
Phone:	919-569-6704
Fax:	919-569-6703

Bells Crossing PH 4 S/D Lot 179

Layout/Design Specifications

Facility Type:	Single Family Home	
# of Bedrooms:	5	
Daily Flow:	600	gal/day
L.T.A.R.:	0.300	gal/day/sq.ft
Trench Depth:	32	in
Trench Width:	48	in
Stone Depth:	accepted	in
Manifold Length:	48	in
Manifold Diameter:	4	in sch 80pvc
Supply Line Length:	2258	ft
Supply Line Diameter:	3	in sch 40pvc
Supply Line Volume:	774.49	gallons
Friction Loss + Fitting Loss:	16.94	ft(supply line length +25% for fittings)
Design Head:	2	ft
Elevation Head:	88.40	ft
Total Head:	107.34	ft
Dose Volume:	195.24	gals
% of Pipe Vol.	.75	
Drawdown:	8.96	in @ 21.8 gal/in
Pump Run Time:	3.63	Minutes
Control Panel:	SJE Rhombus Model112 control panel (or approved equivalent)	
Pump:	Zoeller5034-0010 High Flow (or approved equivalent)	
Septic Tank Effluent Filter:	Zoeller 170-0144 residential effluent filter (or approved equivalent)	
Septic Tank:	1000	gallon Shoaf
Pump Tank:	1000	gallon Shoaf

*- 1250 - gallon (min) tanks required for a 5-Bedroom house

Bells Crossing PH 4 S/D Lot 179

SYSTEM TAP CHART

	Bench Mark:	0	= 100.00	Manifold elev:	923.10				
	Pump tank elevation:	842.00		Pump elev:	836.60				
line	color	rod read	elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	1.40	924.00	50	1/2in SCH 80	5.48	61.94	150	0.4130
2	Orange	3.30	922.10	100	3/4in SCH 80	10.1	114.17	300	0.3806
3	Pink	4.30	921.10	115	3/4in SCH 40	12.5	141.30	345	0.4096
4	Yellow	5.70	919.70	118	3/4in SCH 40	12.5	141.30	354	0.3991
5	Red	6.40	919.00	117	3/4in SCH 40	12.5	141.30	351	0.4026
	P-TANK		842.00						
		total	feet =	500	gal/min =	53.08		LTAR =	0.300
				Des. Flow	600			(ltar + 5%)	0.32
				24 Hour Pump Run=	11.30			(ltar W/ INOV)	0.40
								(ltar + 5%)	0.42

Comments:

PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC

Location of site: Bells Crossing Phase 4 Lot 179 offsite

Date Evaluated: Jan-15 + 8/17/16 by Tom Shuck

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other

Evaluation Method [ ] Auger Boring [X] Pit [ ] Cut

Proposed Wastewater [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Saprc Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS 10% 36	0-6	GR / SL	FR SS SP	>48	48	NA	NA	PS 0.3 ✓
		6-30	ABK / C	FR SS SP					
		30-54	W SBK / CL	FR SS SP					
		54-60	Saprolite						
2	LS 10%	0-6	GR / SL	FR SS SP	>44	44	NA	NA	PS 0.35 ✓
		6-28	ABK / C	FR SS SP					
		28-63	W SBK / CL	FR SS SP	← very well drained				
3	LS 10%	0-9	GR / SL	FR SS SP	>42	42	NA	NA	PS 0.3 ✓
		9-27	ABK / C	FR SS SP					
		27-42	W SBK / CL	FR SS SP					
		42-55	Saprolite & Cobble MA	Moderately Drained					
		55-68	SBK CL	FR, SS, SP, Sesp					
4	LS 10% 28	0-3	GR / SL	FR SS SP	>44	44	NA	NA	PS 0.35 ✓
		3-27 28	ABK / C	FR SS SP					
		27-44 58	W SBK / CL	FR SS SP					

COMMENTS: Weathered rock in all pit profiles typically <20%. Pit 1 weathered rock vein on one side 33-40". Pit 4 saprolite inclusions @ 27".

Evaluation By: Steven Price

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope			
T-Terrace		SICL-Silty Clay Loam	
FP-Flood Plain		CL-Clay Loam	
		SCL-Sandy Clay Loam	
	IV	SC-Sandy Clay	0.4 - 0.1
		SIC-Silty Clay	
		C-Clay	

Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic
W-Weak

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



RECEIVED APR 2 6 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 Place 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
155 Campanile Court	Bells Crossing	Lot 179

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 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)

4/25/17
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

****

Paid $850.00 # 212206 + 200 Site Revisit

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 27539		7046588616
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**
Meritage Homes			

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
155 Campanile Dr.	Bells Crossing	4 179

Driving Directions: 150W, R on Perth, L into Bells Crossing, L on San Agustine Pass Ph 3 (Abbeville CT) L onto 6th Lot on 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
(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 ( ) Yes (/) No Does the site contain any jurisdictional wetlands?

To The Best of Your Ability: ( ) 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 17, 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: Rob Kelley — 4/25/17

***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

IREDELL COUNTY HEALTH DEPARTMENT

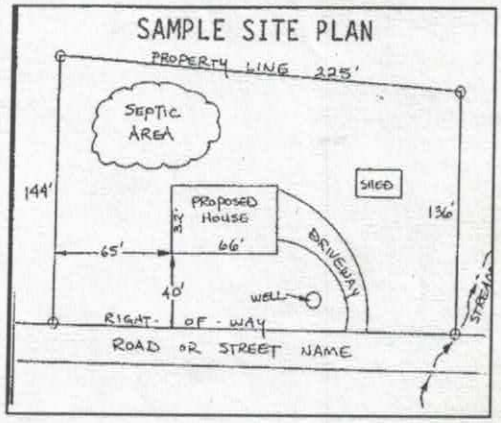
ENVIRONMENTAL HEALTH DIVISION

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

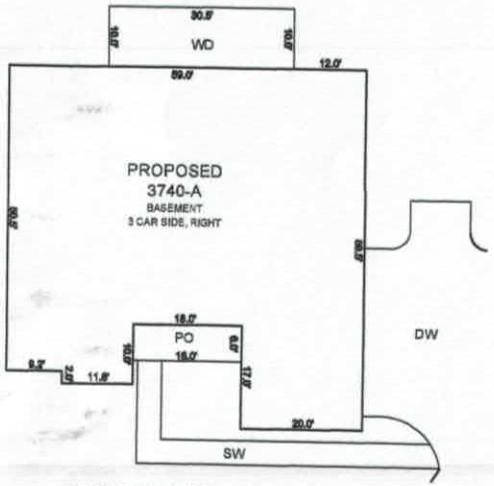
See Attached

Signature: Mark Byrd

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

4-26-16

DATE



INSET SCALE: 1"=20'

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

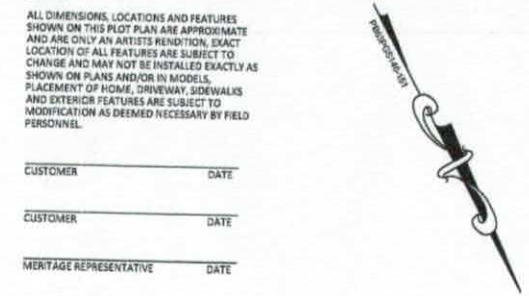
CUSTOMER DATE

MERITAGE REPRESENTATIVE DATE

LOT INFORMATION:

PIN: 4639821553.000
HOUSE = 3,039 SF
PORCH = 108 SF
SIDEWALK = 249 SF
DRIVEWAY = 1,526 SF
TOTAL LOT AREA = 0.80 AC = 35,059 SF
PROPOSED IMPERVIOUS = 4,922 SF
PERCENT IMPERVIOUS = 14.0 %

SOD AREA = 30,595 SF
ADDITIONAL FLATWORK = 151 SF



SCALE:
1" = 40 ft.

NOTES:

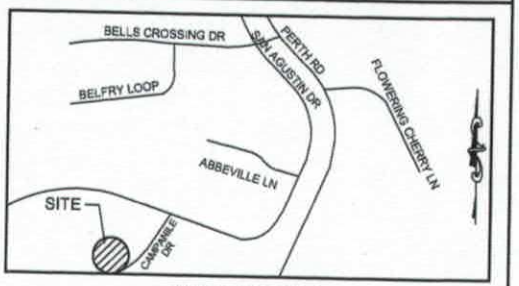
1. THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
2. THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
3. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF 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

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C28	50.00'	58.39'	S67°17'27"E	53.45'

BUILDING SETBACKS:

FRONT = 35 ft
SIDE = 15 ft
REAR = 35 ft
SIDE STREET = 25 ft
LAKE BUFFER = 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
= ELECTRIC BOX
= CABLE BOX
= TELEPHONE PEDESTAL
CI = CURB INLET
SP = SCREENED PORCH
= LIGHT POLE
S = CONCRETE STOOP
YI = YARD INLET

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.

Steven P. Carson, PLS 4752
Date

PRELIMINARY

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

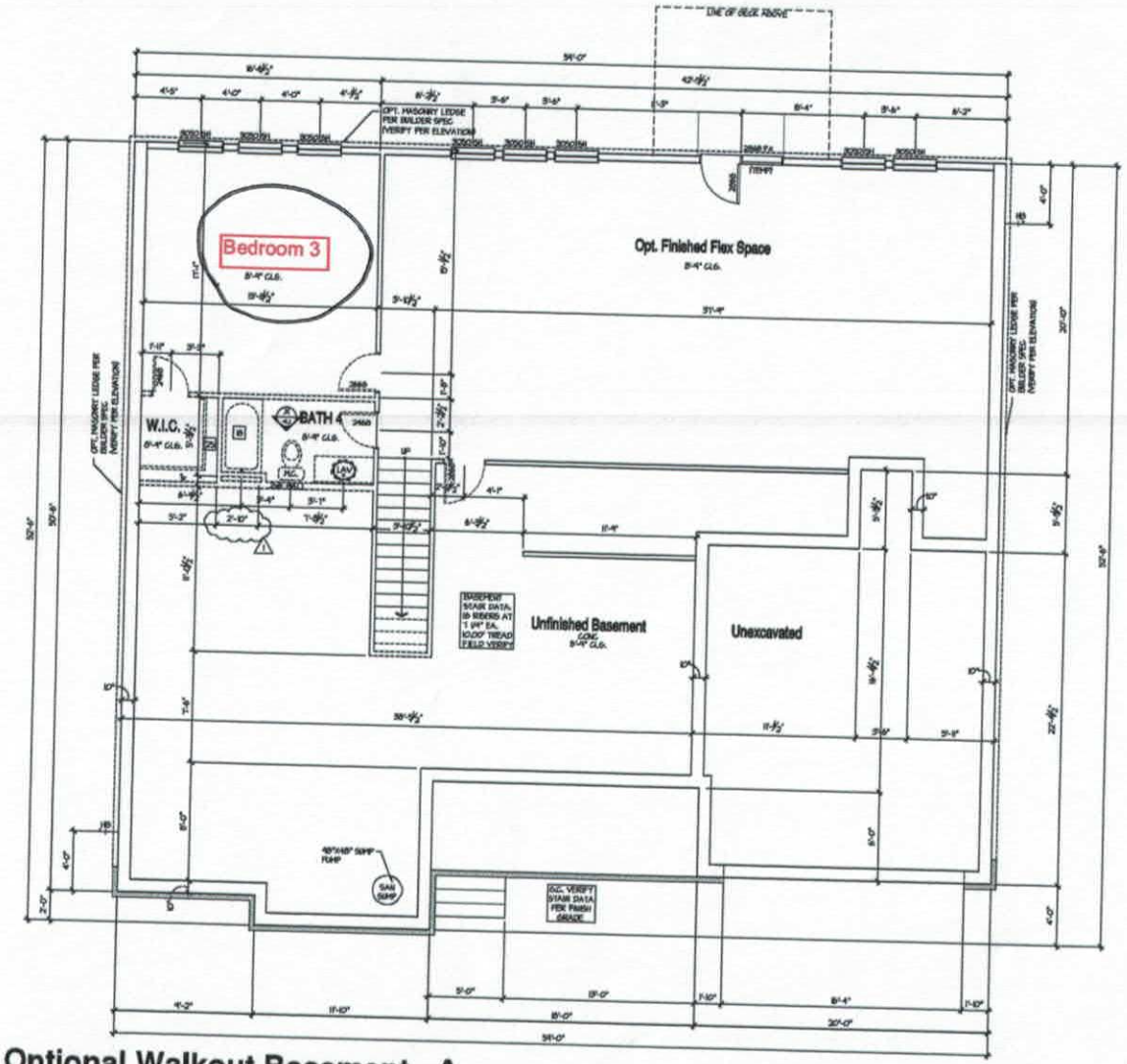
MeritageHomes

BELLS CROSSING - PHASE FOUR - LOT 179
155 CAMPANILE COURT, MOORESVILLE, NC
DAVIDSON TOWNSHIP, IREDELL COUNTY

DATE: 4/24/17 DRAWN BY: DMH CHECKED BY: SPC

REF: PB 63, PGS. 146-151 BCS# 120314 SCALE: 1" = 40'

180-B-B59-PD-0011\acad\dwg\plots\2015 MLB\120314 Bells Phs4 Plot MLB.dwg 4/20/2017 3:09:34 PM, dmiller



Optional Walkout Basement - A

0 2' 4' 8'

FOUNDATION NOTES

SEE FOUNDATION

1. STRUCTURAL FOUNDATION PLANS SHALL BE BY OTHERS. SEE STRUCTURAL FOUNDATION AND FRAMING PLANS FOR STEEL, COLUMN, STEEL BEAM, WOOD 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 STOOP
6. LINE OF FRAMING ABOVE.
7. LINE OF STOOP ABOVE.
8. HANDRAIL
9. SUMP 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 RES. CHECK REQUIREMENTS.
12. MECHANICAL CRAWL SPACE VENTILATION PER LOCAL CODE.
13. OPTIONAL 5 SHELF LINEN
14. OPTIONAL WIRE SHELVING PER BUILDER SPEC.
15. OPTIONAL VANITY
16. FLOOR DRAIN
17. BEAM POCKET
18. LINE OF SLAB ABOVE.
19. PROVIDE 1HR 1/2" GYPSUM BOARD ON WALLS UNDER STAIR SURFACE, AND ON SOFFITS OF ENCLOSED ACCESSIBLE SPACE UNDER STAIRS.
20. STANDARD BEARING WALL

FLOOR PLAN NOTES:

SEE FLOOR

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. 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. TUB
15. 42" X 60" TUB 21" TO TOP OF DECKING
16. 60" X 60" SHOWER
17. 32" X 60" SHOWER
18. 32" X 60" TUB/SHOWER
19. LINEN SHELVING PER BUILDER SPECS.)
20. MIRROR 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. WALL AND HIGH LEVEL SHELVING
26. ATTIC ACCESS (22 1/2"x32" MIN.).
27. ATTIC ACCESS W/ STAIRS (22 1/2"x54 1/2" MIN.)
28. SYSTEM SIZED FOR 2nd FLOOR & 1st FLOOR & 1'-0" AT UPPER FLOOR KNEE.
29. GYPSUM BOARD AREA @ 1'-2" TO 5'-0".
30. GYPSUM BOARD SOFFIT WALL, 36" A.F.F. BULKHEAD W/ VENT 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 WALL WITH RAILING ABOVE.
34. PORCH RAIL, SEE ELEVATION.
35. 36"x36" CONCRETE STOOP.
36. 2nd DEMIL
37. OPTIONAL UPPER CABINETS.
38. OPTIONAL CABINETS.
39. OPTIONAL COFFERED CEILING @ 9'-6" PER BUILDER SPEC.
40. LINE OF FRAMING ABOVE.
41. LINE OF FRAMING WALL BELOW.
42. 2nd LOW WALL 42" A.F.F.
43. 2nd LOW WALL 42" A.F.F.
44. WET WALL
45. HORIZONTAL LAUNDRY CHUTE
46. LOW WALL 42" A.F.F.
47. GYPSUM BOARD ARCH @ 8'-0" TO 8'-6"
48. LOW WALL 30" 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.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 EMERG. 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 (VAULTED)
8'-0" A.F.F. @ 9'-1 1/8" PLATE HEIGHT (VAULTED)

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

F. HOOD.
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.

H. ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED.

K. BRICK SIDING.
INSTALL PER LOCAL CODE.

Acknowledgement of Plans Submittal ONLY!

Date 4/28/17

Date 4/28/17

ISSUE DATE: 01/17/2014
REVISIONS:

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

Meritage Homes

Meritage Homes

BSB DESIGN

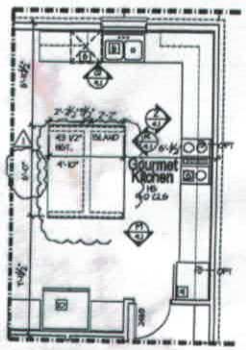
www.bsbdesign.com
4021 Westerre Parkway, Suite 205
West Des Moines, Iowa 50266
515.223.2300

JOB NO. 05120126 PROJECT MGR. DRAWN CHECKED

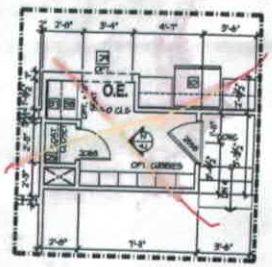
MAIN/OPT BASEMENT PLAN - A

259 - 3740

A0.1A



Main Floor Plan - Opt Kitchen



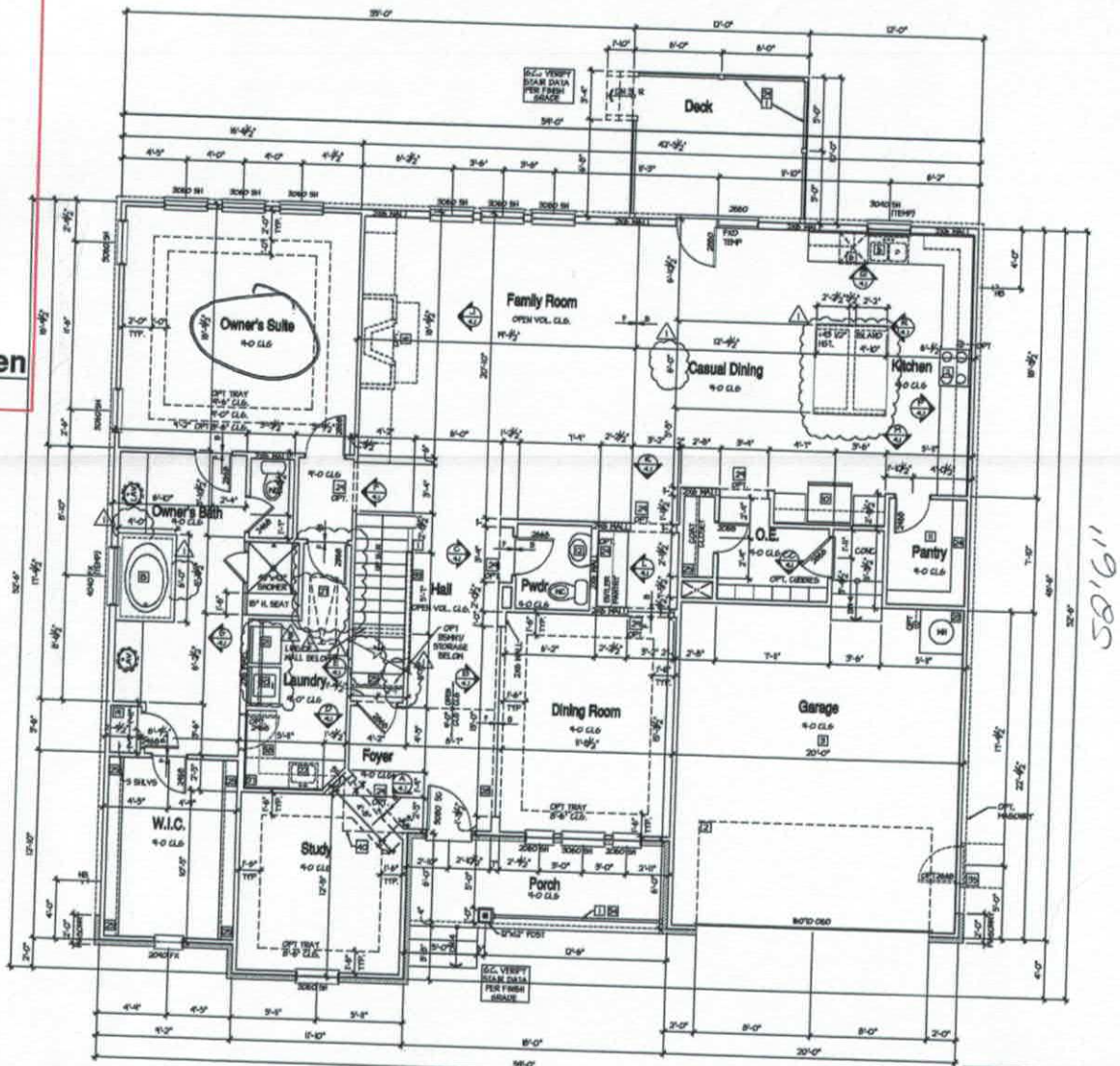
Main Floor Plan - Opt O.E.



Main Floor Plan
Opt Fireplace



Opt. Owner's Shower
Main Floor Plan



Main Floor Plan - A

FLOOR PLAN NOTES:

SEE FLOOR

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. 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. TUB
15. 42" X 60" TUB 29" TO TOP OF DECKING.
16. 60" X 60" SHOWER
17. 30" X 60" 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 6" 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" U.N.O.).
27. ATTIC ACCESS W/ STAIRS (25 1/2"x54 1/2".) PROVIDE INSULATED OVERHEAD 8'-3"x7'-0" PASS FLOOR & 7'-0" AT UPPER FLOOR U.N.O.
28. DRYWALL BOARD ARCH @ 1'-3" TO 8'-0".
29. DRYWALL BOARD LOW HALL, 38" A.F.F. (U.N.O.) W/ MDF CAP.
30. SCRYPT, REFER TO EXTERIOR ELEVATIONS FOR HEIGHTS & ARCHITECTURAL DETAILS FOR FINISH.
31. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
32. HALF WALL W/ WOOD CAP OR OPTIONAL LOW WALL WITH RAILING ABOVE.
33. PORCH RAIL, SEE ELEVATION.
34. 36"x36" CONCRETE STOOP.
35. 6x8 BEAM.
36. OPTIONAL UPPER CABINETS.
37. OPTIONAL CABINETS.
38. OPTIONAL COFFERED CEILING @ 8'-0" PER BUILDER SPEC.
39. LINE OF FRAMING ABOVE.
40. LINE OF FRAMING WALL BELOW.
41. 2X4 LOW HALL 42" A.F.F.
42. 2X6 LOW HALL 42" A.F.F.
43. ART NICHE
44. HORIZONTAL LAUNDRY CHUTE
45. LOW HALL 42" A.F.F.
46. DRYWALL BOARD ARCH @ 8'-0" TO 8'-4"
47. LOW HALL 32" A.F.F.
48. NO HAND LADER OR LOCKING KNOB

TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF CONSTRUCTION.
ASPHALT ROOF SHINGLES

B. TYPICAL FINISHED 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 M, C, 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 (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. DRYER
PROVIDE BACK DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.

G. SMOKE DETECTORS
INSTALL PER LOCAL CODE.

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

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

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

K. SMOKE ALARMS
INSTALL PER LOCAL CODE.

SQUARE FOOTAGES

A	
MAIN FLOOR	2955
UPPER FLOOR	1403
MEDIA	190
FINISHED BASEMENT	1388
UNFINISHED BASEMENT	1070
GARAGE	438
PORCH	136
DECK	240
OPT. EXTENDED DECK	301
OPT. SCREEN PORCH	301
TOTAL	3429

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

Acknowledgement of Plans Submittal ONLY!

Date 4-26-17

Date 4/28/17

5801611

ISSUE DATE: 01/17/2014
REVISIONS

5400 Trinity Road
Suite 107
Raleigh,
North Carolina 27607
919-922-2265 Phone

Meritage Homes

Meritage Homes

BSB DESIGN

www.bsbdesign.com
4021 Wilcrest Parkway, Suite 205
West Des Moines, Iowa 50266
515.223.3383

JOB NO. 03/12035 PROJ MGR
DRAWN JP/JS CHECKED JP/JS

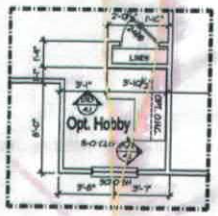
MAIN FLOOR PLAN - A

259 - 3740

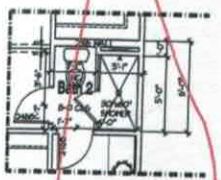
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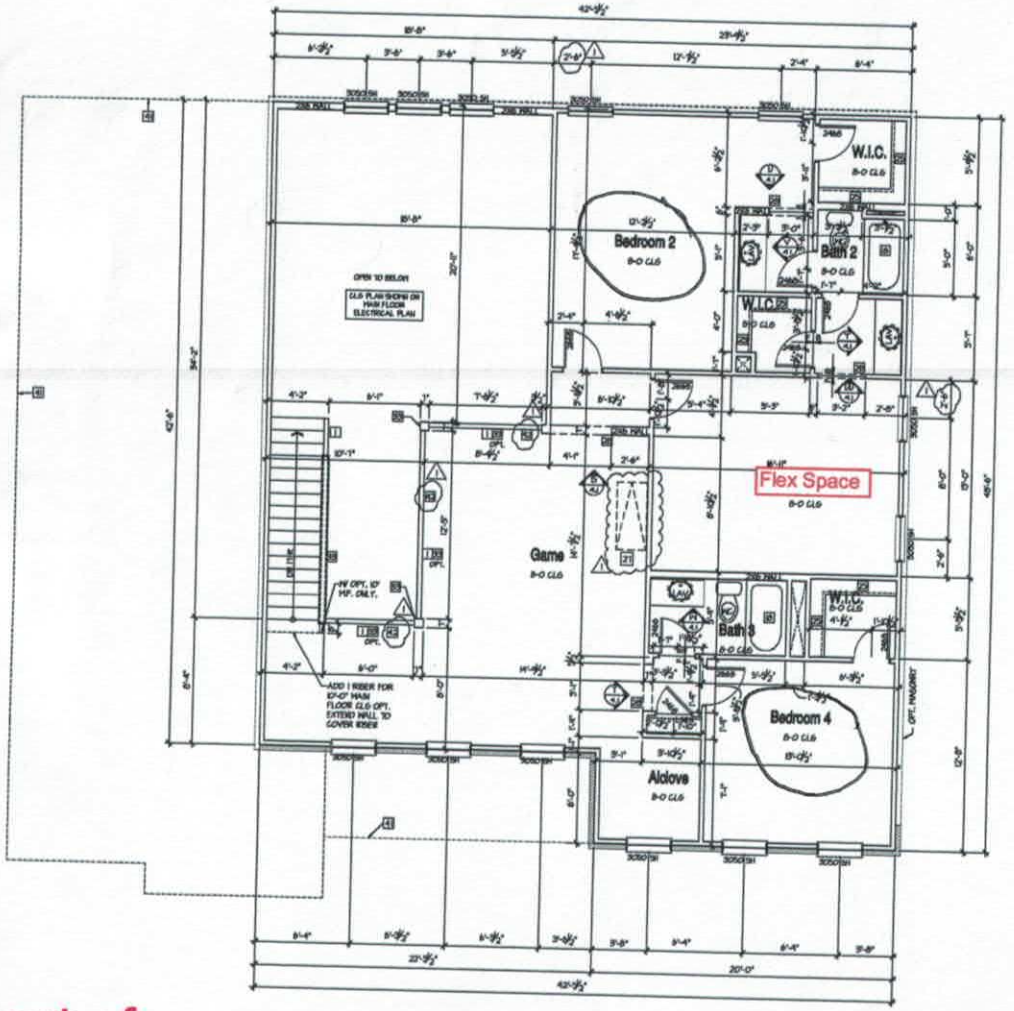
Opt. Storage - A



Opt. Hobby - A



Opt. Shower - Bath 2



Upper Floor Plan - A

FLOOR PLAN NOTES:

1 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. 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. SPA
15. 42" X 60" TUB 2'-0" TO TOP OF DECKING
16. 60" X 60" CORNER SHOWER
17. 30" X 60" SHOWER
18. 32" X 60" SHOWER
19. LINEN SHELVING PER BUILDER SPECS.)
20. WASHER SPACE
21. DRYER, VENT
22. OPTIONAL LAUNDRY SINK.
23. PROVIDE NON-COMBUSTIBLE PLATFORM ELEVATED 6" ABOVE GARAGE FLOOR FOR WATER HEATERS.
24. 5 SHELVES PER BUILDER SPECS.
25. [illegible]
26. ATTIC ACCESS (22 1/2"x32" U.N.O.)
27. ATTIC ACCESS W/ STAIRS (25 1/2"x54 1/2".)
28. GYPSUM BOARD ENCLOSE @ 2'-0" HT MIN. FLOOR & 1'-0" AT UPPER FLOOR U.N.O.
29. GYPSUM BOARD ARCH @ 1'-3" TO 8'-0".
30. GYPSUM BOARD LOW WALL 30" A.F.F. (U.N.O.) W/ PDF CAP.
31. SOFFIT, REFER TO EXTERIOR ELEVATIONS FOR HEIGHTS & ARCHITECTURAL DETAILS FOR FINISH.
32. PLANT SHELF, SEE EXTERIOR ELEVATIONS.
33. HALF WALL W/ POST CAP OR OPTIONAL LOW WALL WITH RAILING ABOVE.
34. PORCH RAIL SEE ELEVATION.
35. 36"x36" CONCRETE STOOP.
36. 6x8 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 CHUTE
46. LOW WALL -OPT A.F.F.
47. GYPSUM BOARD ARCH @ 8'-0" TO 8'-4"
48. LOW WALL 32" 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" T&G OR EQUAL 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 IV, C, 5, 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 (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. VENTS.
PROVIDE BACK DRAFT DAMPERS @ DRYER VENT, HOOD VENT, & EXHAUST FANS.

G. INSTALL 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.

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

K. DECK SCREWS.
INSTALL PER LOCAL CODE.

SQUARE FOOTAGES

A

MAIN FLOOR	2856
UPPER FLOOR	1405
TOTAL	4261
FINISHED BASEMENT	1781
UNFINISHED BASEMENT	1070
GARAGE	478
PORCHES	108
DECK	120
OPT. EXTENDED DECK	301
OPT. SCREENED PORCH	301
TOTAL	349

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

Acknowledgement of Plans Submittal ONLY!

Date 4-26-17

Date 4/28/17

ISSUE DATE: 01/17/2014
REVISIONS:

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

Meritage Homes

Meritage Homes

BSB DESIGN

UPPER FLOOR PLAN - A

259 - 3740

A2.2A

Bells Crossing Lot 179

IREDELL COUNTY

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

APPLICATION NUMBER
212206
Issue Date: 07/28/2015

ZONING PERMIT

Parcel Number	Street Address	Jurisdiction
4639834045.000	155 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 SUI 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
✓ 10506626
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	44914	TOTAL FEES:	$ 77.25