IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 225266

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

PIN # 4639829707 Offsite 4639920795

APPLICANT: Bateman Civil Survey Company APPLICANT ADDRESS: 2524 Reliance Ave Apex NC 27539.

SITE ADDRESS: 122 Campsite Drive Mooresville NC 28117 PHONE: — ALT. PHONE: 704 658 8616.

SITE DIRECTIONS: 150 west Right on Perth Cinto Bells Crossing Located San Agustin Pass Phase 3 Turn left

SUBDIVISION: Bells Crossing SECTION: 4 LOT # 17/+1715 LOT AREA: .71 Acres DESIGN FLOW: 480 gpd L.T.A.R.: 3

Septic Tank 1000 (gal) STB Date
Pump Tank 1000 (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 4 Linear Ft: 400
Trench Width 36. Max. Trench Bottom Depth 36 Gravel Depth —

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI
System Description: 25% reduction
Repair System Description: 50% reduction
Maintenance Agreement Required: ☐ YES ☒ NO ☐ GRAVITY ☒ PRESSURE

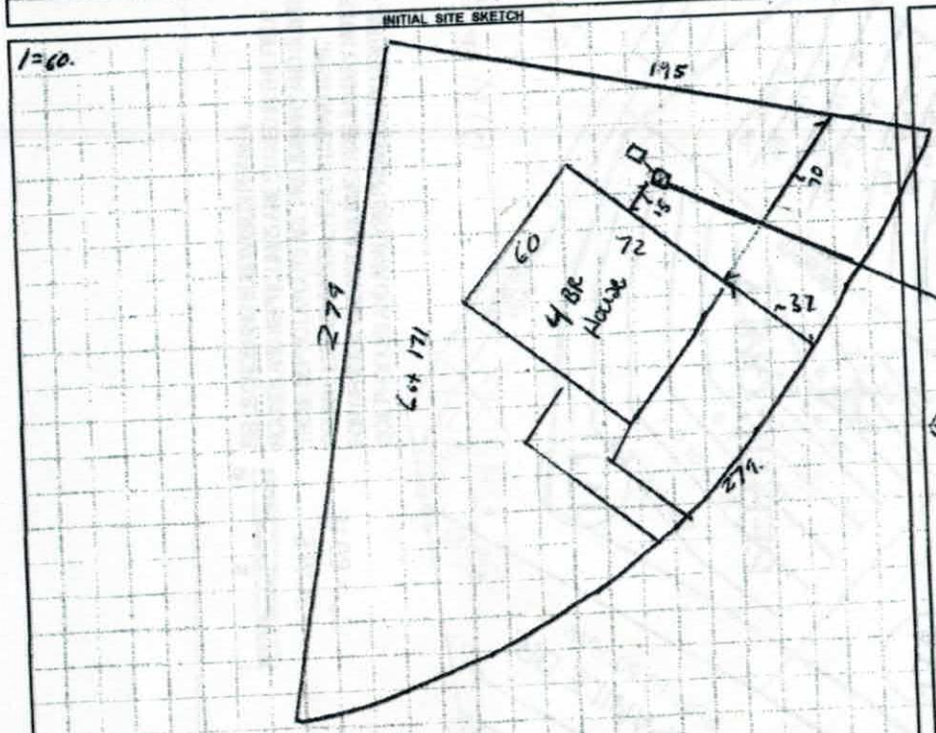
☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☒ Slab ☐ Crawl Space
☒ Basement w/plumbing OK 5-5-17 ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☒ Community

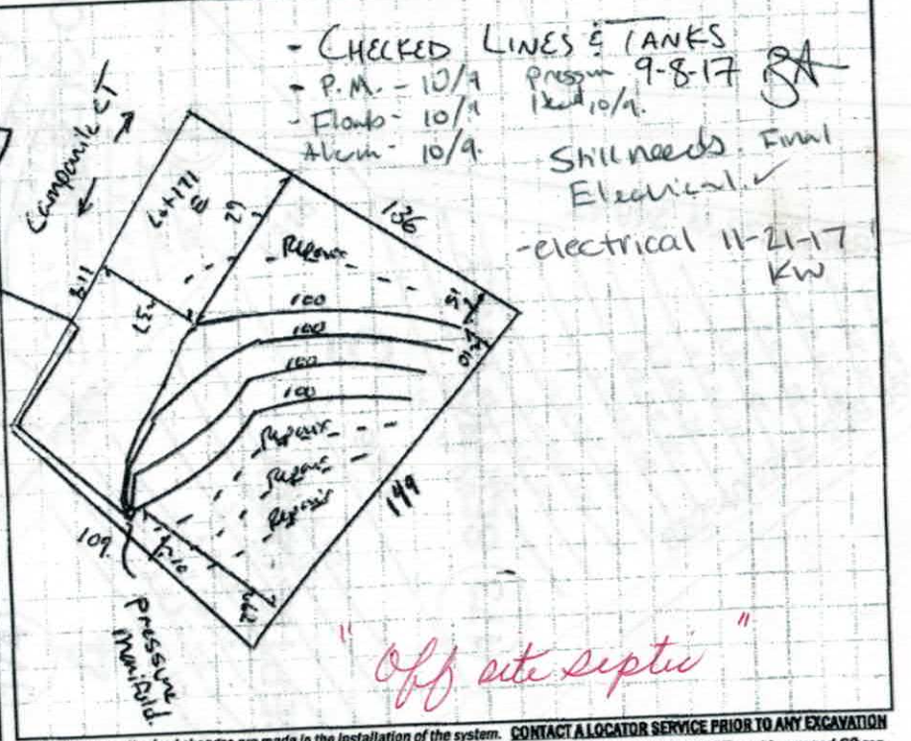
Comments / Conditions: Design Specs by Bateman Civil Survey Company
See attached documents for Tap sizes & Dose volume.
Permit not valid w/o accompanying attachments

5/5/17: If a whole-house ejector is needed, a 2nd septic tank (of equal size) shall function as a trash tank. Tanks must be at least 15 setback from side sloping foundation drains. Recommend pumping septic tank every 3-5 years.

INITIAL SITE SKETCH



AS BUILT SKETCH



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: 5-3-17 Installed by: ANDREW CARSON

IMPROVEMENT PERMIT by: Benjamin A. Butler Date: 5/2/2017 OPERATION PERMIT by: Krayla Wilson Date: 11-21-17

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 5/5/2017 Existing System Inspected by: Date:

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

SEPTIC SITE PLAN LOT 171-174
BELLS CROSSING SUBDIVISION
IREDELL COUNTY, NORTH CAROLINA
DATE: 04/25/16 DRAWN BY: SPC CHECKED BY: SPC

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH
1	GREEN	2.4	15	15
2	PINK	3.6	52	52
3	RED	4.8	75	75
4	ORANGE	6.3	96	96
5	WHITE	7.4	112	100
6	BLUE	9.2	120	100
7	GREN	10.4	114	100
8	PINK	12.2	103	100
9	RED	14.2	93	93
			780	731

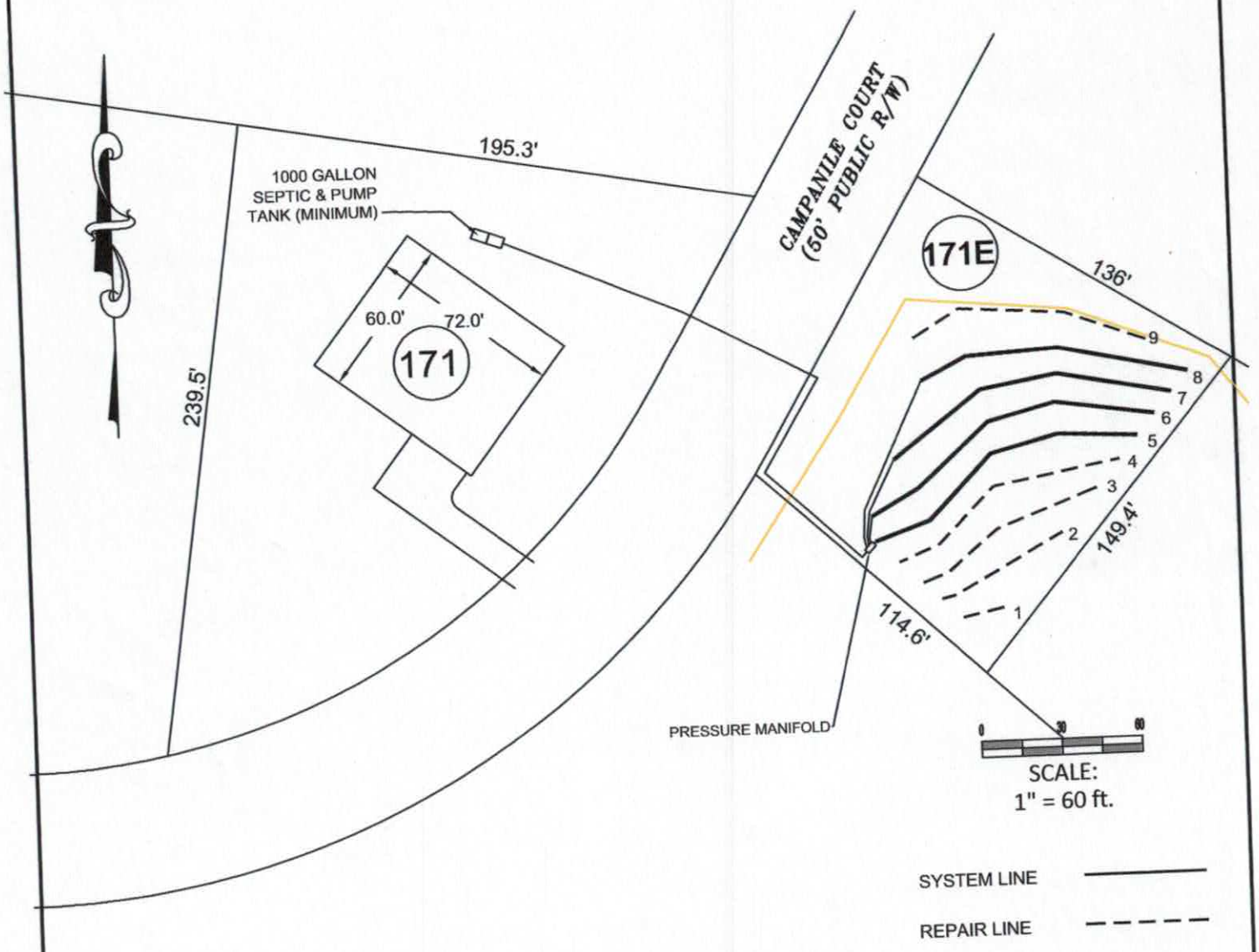
LOT 171 BELLS CROSSING SUBDIVISION

4-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 5-8 TOTAL 439 LINEAR FEET(USE 400')
EZFLOW OR CHAMBER
30" MAX TRENCH DEPTH
LTAR 0.3
25% REDUCTION

4-BEDROOM ACCEPTED REPAIR
LINES 5-6 TOTAL 225 LINEAR FEET
LTAR 0.3
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL ANALYSIS AND APPLICATION RATES PROVIDED BY IREDELL COUNTY HEALTH DEPARTMENT

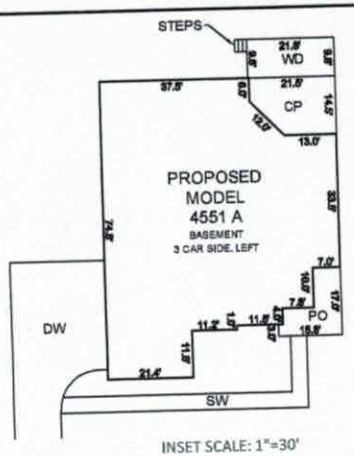


Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378

MeritageHomes

LOT 171
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE:4/24/17 DRAWN BY:MDB CHECKED BY:MDB



INSET SCALE: 1"=30'

LOT INFORMATION:

PIN: 4639829707
TOTAL LOT AREA = 0.71 AC = 31,096 SF
HOUSE = 3,539 SF
PORCH = 177 SF
SIDEWALK = 303 SF
DRIVEWAY = 1,291 SF
COVERED PORCH = 276 SF
PROPOSED IMPERVIOUS = 5,586 SF
PERCENT IMPERVIOUS = 18.0 %

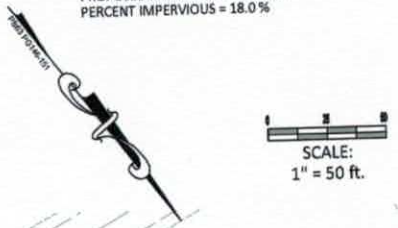
NOTE:

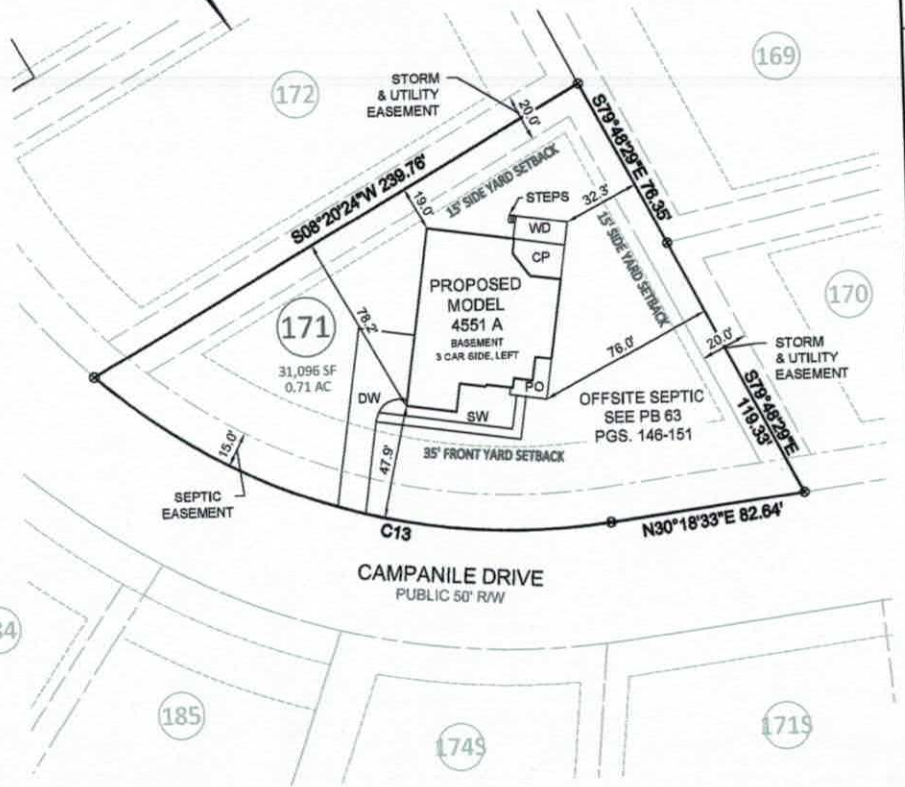
ALL DIMENSIONS, LOCATIONS AND FEATURES SHOWN ON THIS PLOT PLAN ARE APPROXIMATE AND ARE ONLY AN ARTISTS RENDITION, EXACT LOCATION OF ALL FEATURES ARE SUBJECT TO CHANGE AND MAY NOT BE INSTALLED EXACTLY AS SHOWN ON PLANS AND/OR IN MODELS. PLACEMENT OF HOME, DRIVEWAY, SIDEWALKS AND EXTERIOR FEATURES ARE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

CUSTOMER DATE

CUSTOMER DATE

MERITAGE REPRESENTATIVE DATE



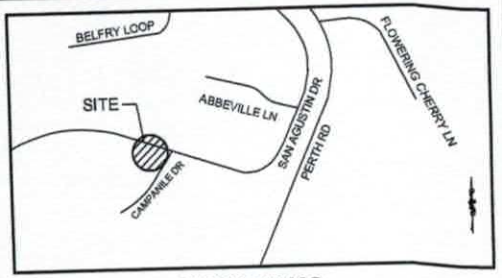


NOTES:

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' 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
C13	234.44'	275.00'	N54°43'54"E	227.40'

Bateman Civil Survey Company
Engineers • Surveyors • Planners
2624 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1061
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

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 171
122 CAMPANILE DRIVE, MOORESVILLE, NC
DAVIDSON TOWNSHIP, IREDELL COUNTY

DATE: 2/28/17 DRAWN BY: DMH CHECKED BY: SPC

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

180CB-SEB-APD-0015\bcs\04Projects\2012 BELRI\120314 Bells Phase 4\dwg\120314 Bells Phd Plot M.D.dwg, 3/1/2017 11:10:34 AM, dhester

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

RECEIVED APR 2 6 2017

Pressure Manifold
Septic System Design

for

Bells Crossing PH 4 S/D Lot 171
Raleigh, North Carolina

Designed by:

Michael Benfield
Bateman Civil Survey Company, PC
Apex, North Carolina
BCSC Project #: 120314.168

04/23/2017

Bells Crossing PH 4 S/D Lot 171

Table of Contents

Contact Information ---------- 1
Specifications (system) ---------- 2
Tap Chart (system) ---------- 3
Site Plan (System) ---------- 4
Control Panel Specifications ---------- 5
Pump Specifications ---------- 7
Effuent Filter Specifications ---------- 9
Supply Line Hydraulic Profile ---------- 11

Attachments

Septic and Pumptank Details — Figure 1
Pressure Mainfold and Trench Details — Figure 2

Bells Crossing PH 4 S/D Lot 171

Contact Information

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

Designer: Bateman Civil Survey Company, PC
Attn: Michael Benfield
Street Address: 2524 Reliance Ave.
Apex, North Carolina 27539
Phone: 704-658-8616
Fax: 919-577-1081

Bells Crossing PH 4 S/D Lot 171

Layout/Design Specifications

Facility Type:	Single Family Home	
# of Bedrooms:	4	
Daily Flow:	480	**gal/day**
L.T.A.R.:	0.300	**gal/day/sq.ft**
Trench Depth:	24-30	**in**
Trench Width:	36	**in**
Stone Depth:	accepted	**in**
Manifold Length:	42	**in**
Manifold Diameter:	4	**in sch 80pvc**
Supply Line Length:	255	**ft**
Supply Line Diameter:	3	**in sch 40pvc**
Supply Line Volume:	87.47	**gallons**
Friction Loss + Fitting Loss:	0.55	**ft(supply line length + 70' for fittings in pump tank)**
Design Head:	2	**ft**
Elevation Head:	36.00	**ft**
Total Head:	38.55	**ft**
Dose Volume:	208.26	**gals**
% of Pipe Vol.	.80	
Drawdown:	10.33	**in @ 20.16 gal/in**
Pump Run Time:	9.50	**Minutes**
Control Panel:	SJE Rhombus Model112 control panel (or approved equivalent)	
Pump:	Zoeller5032-0008 High Flow (or approved equivalent)	
Tank Effluent Filter:	Zoeller 170-0144 residential effluent filter (or approved equivalent)	
Septic Tank:	1000	**gallon Shoaf**
Pump Tank:	1000	**gallon Shoaf**

Pressure Manifold
Septic System Design

for

Bells Crossing PH 4 S/D Lot 171
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 #: 120314.171



08/22/2016

8-22-2016

Bells Crossing PH 4 S/D Lot 171

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Contact Information ---------- 1
Specifications (system) ---------- 2
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Control Panel Specifications ---------- 4
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Supply Line Hydraulic Profile ---------- 11
Septic and Pumptank Details ---------- 12
Pressure Mainfold and Trench Details ---------- 13

Bells Crossing PH 4 S/D Lot 171

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 171

Layout/Design Specifications

Facility Type:	Single Family Home	
# of Bedrooms:	4	
Daily Flow:	480	gal/day
L.T.A.R.:	0.300	gal/day/sq.ft
Trench Depth:	24-30	in
Trench Width:	36	in
Stone Depth:	accepted	in
Manifold Length:	48	in
Manifold Diameter:	4	in sch 80pvc
Supply Line Length:	163	ft
Supply Line Diameter:	2	in sch 40pvc
Supply Line Volume:	28.36	gallons
Friction Loss + Fitting Loss:	4.85	ft(supply line length +25% for fittings)
Design Head:	2	ft
Elevation Head:	24.90	ft
Total Head:	31.75	ft
Dose Volume:	205.98	gals
% of Pipe Vol.	.75	
Drawdown:	9.45	in @ 21.8 gal/in
Pump Run Time:	5.87	Minutes
Control Panel:	SJE Rhombus Model112 control panel (or approved equivalent)	
Pump:	Zoeller 140 Flow Mate (or approved equivalent)	
Septic Tank Effluent Filter:	Zoeller 170-0144 residential effluent filter (or approved equivalent)	
Septic Tank:	1000	gallon Shoaf
Pump Tank:	1000	gallon Shoaf

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4639829701
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

+ Backup area offsetwest.

171

OWNER: Mesita Homes
ADDRESS: 122 Campsite Drive
PROPOSED FACILITY: House
LOCATION OF SITE: Bells Crossing Lot 171.

APPLICATION DATE 4/27/16
DATE EVALUATED: 4/13/17
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: .71 Ac
PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other Community
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	10%	0-2	Fill	—		—	—	—	PS .3
		2-48	C SBk	Sp					
2	9%	0-2	Fill	—	Some yellow mottles	—	—	—	PS .3
		2-48	Cly SBk	Sp					
3	10%	0-4	Fill	—	Some yellow Mottles	—	—	—	PS .3
		4-30	C SBk	Sp SS FM SEP					
		30-48	CL wSBk	Sp SS FR SEP					
4	8% Pit Open 4/13.	0-42	Fill	—	—	—	—	—	redpits
		0-5	Fill	—					
		5-32	C SBk	Sp SS FM SEP					
		32-48	CL wSBk	Sp SS FR SEP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Y	Y
System Type(s)	25% red	25% red
Site LTAR	.3	.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bollers
OTHER(S) PRESENT: Mike Benfield

COMMENTS:

RECEIVED MAY 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 Place #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
122 Campanile Court	Bells Crossing	Lot 171

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 _____ 3/8/17
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

RECEIVED FEB 2 4 2017 ~~19487~~

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 $ 500.00

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

****

Pd. $700.00 4/24/17 #225266

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** ___ **Custom Site Plan, Scaled no more than 1 Inch = 60 Feet**

Place check ( ) beside whichever is submitted if applicable

****

3. Applicant Information:

BCSC	2524 Reliance Ave Apex NC 27539		704-658-8616
Applicant Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**
Meritage Homes	11605 N Community House Rd #250 Charlotte NC 28277		
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**

****

4. Property Information:

122 Campanile Dr.	Bells Crossing	4 171
Street Address	**Subdivision Name**	**Section/Phase and Lot Number**

Driving Directions: 150 W, R on Perth, L into Bells Crossing, L onto San Agustine Pass Ph.3 (Abbeville CT) Turn left on 1st Lot on the Rt

****

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 ___

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: [signature] 4-27-16

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

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

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

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

x	Property Line measurements are clearly identified…	
x	All proposed structures are indicated… *SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site*	
x	Front and side setbacks from property line…	
x	Preferred driveway location and configuration, preferred well location…	
x	Area you prefer your septic system to be placed…	
x	North arrow, or other sufficient indicator of direction…	
Circle N/A on the following if appropriate:		
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 Ritz 3/8/17

***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

LEGEND

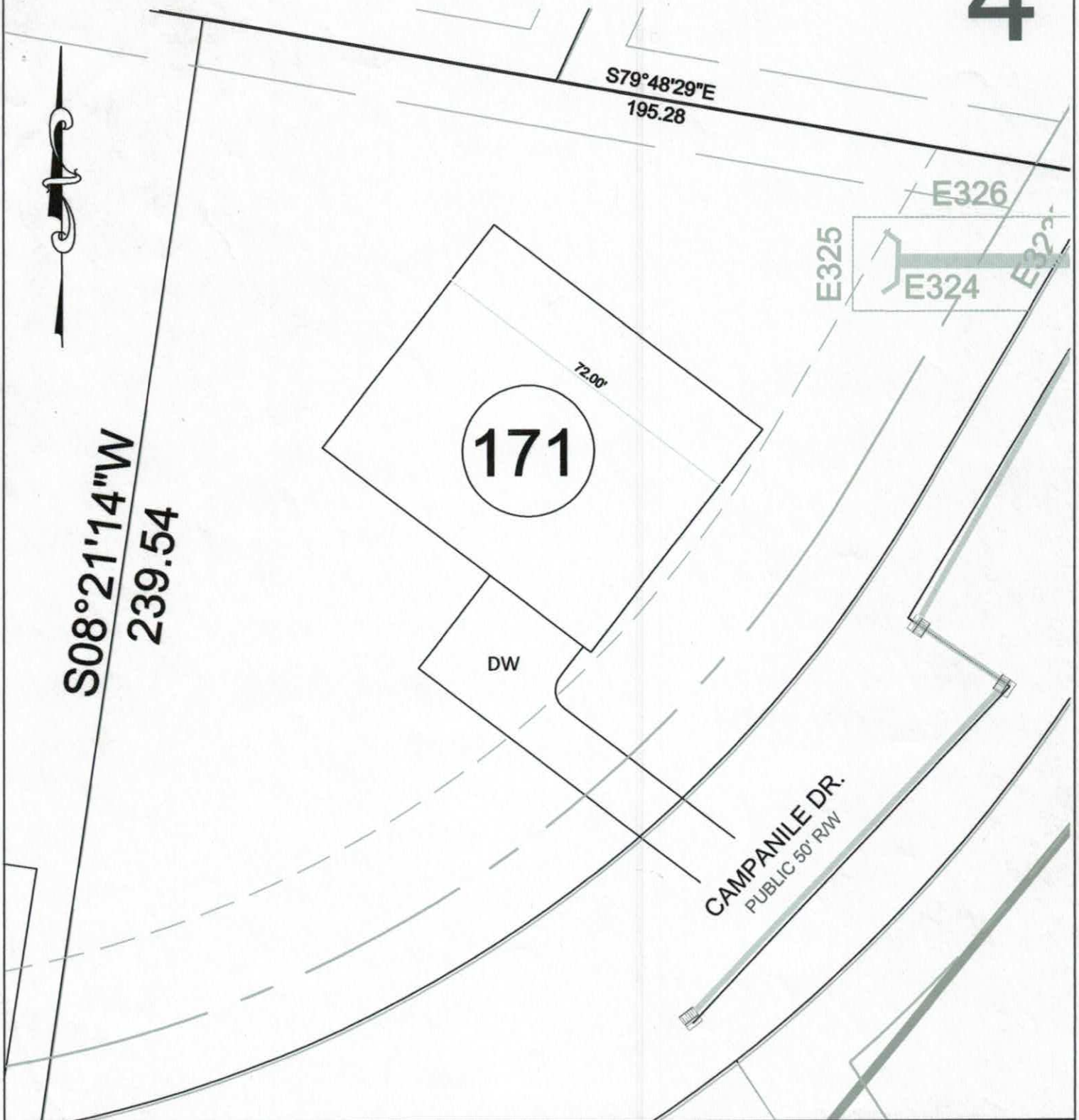
PO = PORCH
SP = SCREENED PORCH
CP = COVERED PORCH
WD = WOOD DECK
SW = SIDEWALK
DW = CONC DRIVEWAY

0 15 30

SCALE:
1" = 30 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

4



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 171
BELLS CROSSING SUBDIVISION

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

Opt. Walkout Floor Plan - A

Acknowledgement of
Plans Submittal ONLY!

Date 5-4-17

Date 5/5/17

FOUNDATION NOTES

SPECIFICATIONS

1. SPREAD/BAL FOOTINGS PLANS SHALL BE BY OTHERS. SEE STRUCTURAL CONSULTANTS PLANS FOR ADDITIONAL STEEL, BEAM, WOOD POST SIZES, AND FOOTINGS.
2. TOP OF FOUNDATION AT GARAGE DOOR TO BE 8" MIN. ABOVE FINISH GRADE.
3. EMERGENCY EGRESS WINDOWS SHALL BE PROVIDED IN ALL BEDROOMS AND BASEMENTS. WINDOWS SHALL HAVE A MINIMUM CLEAR OPENING OF 5.7 SQ. FT. MINIMUM CLEAR OPENING OF 24" HEIGHT AND 20" WIDTH. MINIMUM SILL HEIGHT OF 44" ABOVE FINISH FLOOR.
4. MASONRY VENEER AS SPECIFIED BY BUILDER. CLEAR OPENINGS OF WELL SHALL BE MINIMUM 9 SQ. FT. WITH MINIMUM DIMENSION OF 36" IN ANY DIRECTION. WELL SHALL BE DRAINED TO FOOTING DRAIN SYSTEM. LADDER AT EGRESS WINDOW WELL IS REQUIRED IF WELL DEPTH EXCEEDS 44" FROM BOTTOM OF WELL TO GRADE.
5. TOP OF FOUNDATION AT PORCH
6. LINE OF FRAMING ABOVE.
7. LINE OF SLOPE ABOVE.
8. WATER METER LOCATION AS REQUIRED BY SOILS ENGINEER.
9. SLOPED CRAWL SPACE ACCESS PANEL AS APPLICABLE PER LOCAL CODES.
10. CRAWL SPACE ACCESS DOOR SHALL BE A MINIMUM OF 18" X 24" AND SHALL BE LOCATED SO THAT NO PART OF THE CRAWL SPACE IS MORE THAN 30 FEET FROM AN ACCESS OPENING.
11. MECHANICAL CRAWL SPACE VENTILATION PER REG. CODES REQUIREMENTS.
12. OPTIONAL 3-WIRE SHEP LINEN
13. OPTIONAL WIRE SHELVING PER OWNER
14. OPTIONAL VANITY
15. FLOOR DRAIN
16. LINE OF SLAB ABOVE.
17. PROVIDE MIN. 10" DIAMETER CLEAR OPENING AT BOTTOM OF RECESSED ACCESSIBLE SPACE (DOOR SHALL 20 GAUGED BEARING WALL

TYPICAL CONSTRUCTION ASSEMBLIES:

A. TYPICAL ROOF ASSEMBLIES:
B. TYPICAL FLOOR ASSEMBLIES:
C. TYPICAL EXTERIOR WALL ASSEMBLIES:
D. HEADERS:
E. ELECTRICAL:
F. HVAC:
G. PLUMBING:
H. ROOF:
I. ALL EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING UNLESS NOTED.
J. INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL UNLESS OTHERWISE NOTED.
K. DECK SIZES:
L. INSTALL PER LOCAL CODE.

Meritage Homes

Meritage Homes

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

ISSUE DATE: 01/17/2014

REVISIONS

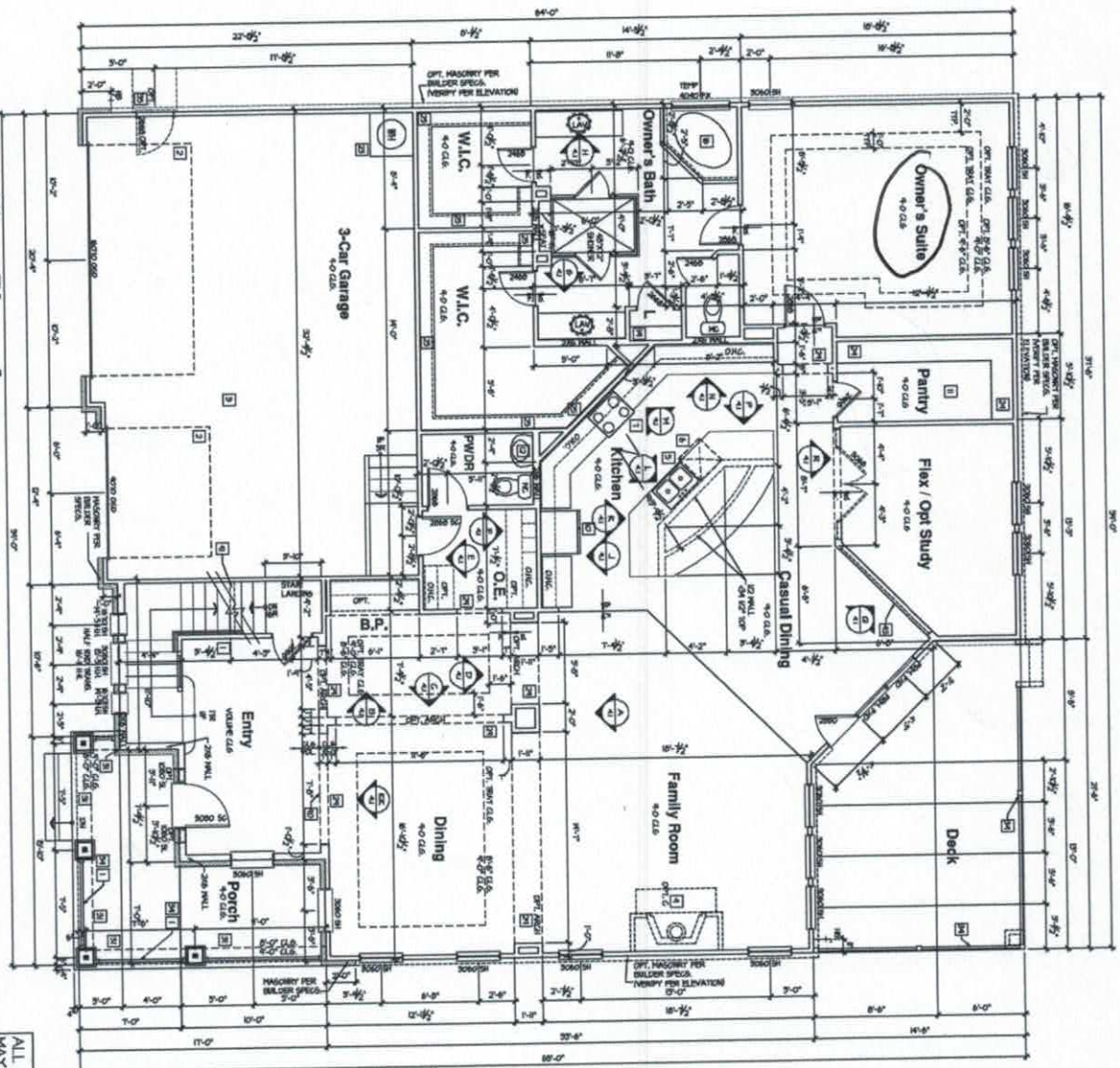
BSB DESIGN

Plan 4551
A0.1A

Acknowledgement of
Plans Submittal ONLY!

Date 5-4-17

Tom Shuck Date 5/5/17



591

65'

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

SQUARE FOOTAGES

	A
MAIN FLOOR	2991
PORCH	90
GARAGE	658
PORCH	100
OPT. FLEX/STUDY	219
TOTAL	3080

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:

BSB DESIGN

Plan 4551
A2.1A

Acknowledgement of Plans Submittal ONLY!

Date 5-4-17

Date 5/5/17

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 171, 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

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

APPLICATION NUMBER
225266
Issue Date: 02/24/2017

ZONING PERMIT

Parcel Number	Street Address	Jurisdiction
4639829707.000	122 CAMPANILE DRIVE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: MERITAGE HOMES	Applicant: MERITAGE HOMES
Address: 11605 N COMMUNITY HOUSE RD. #250 CHARLOTTE, NC 28277	Address: 11605 N COMMUNITY HOUSE RD. #250 CHARLOTTE, NC 28277
Phone: 704-944-8933	Phone: 704-944-8933

Use Requested	Zone Code
	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.710	35.00	35.00	15.00	15.00	CACL	X

Remarks:

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	94568	TOTAL FEES:	$ 77.25