

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: **D 0 5 5 4 6 3**

PIN #: **0 8 9 1 4 1 5 9 2 6**

OP DATE: **0 2 / 2 6 / 2 0 1 8**

SYSTEM USE:

- ☒ House
☐ Mobile Home
☐ Business
☐ Other

SEWAGE TYPE:

- ☒ Domestic
☐ Industrial

PUMP/SIPHON?:

- ☐ Yes
☒ No

PRESSURE MANIFOLD:

- ☐ Yes
☒ No

SYSTEM TYPE:

- ☐ I
☒ II
☐ III
☐ IV
☐ V
☐ VI
☐ Other

SUB TYPE:

- ☒ A
☐ B
☐ C
☐ D
☐ E
☐ F
☐ G

NBR BEDROOMS:

- ☐ 1
☐ 2
☐ 3
☒ 4
☐ 5
☐ 6
☐ Other

MAINT. SCHEDULE:

- ☐ Yes
☒ No

CERT. OPERATOR

- ☐ Yes
☒ No

GT ST PT

- | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| ☐ | ☐ | ☐ | 750 |
| ☐ | ☐ | ☐ | 900 |
| ☐ | ☐ | ☐ | 1,000 |
| ☐ | ☒ | ☐ | 1,200 |
| ☐ | ☐ | ☐ | 1,500 |
| ☐ | ☐ | ☐ | 1,800 |
| ☐ | ☐ | ☐ | 2,100 |
| ☐ | ☐ | ☐ | 2,500 |
| ☐ | ☐ | ☐ | 3,000 |
| ☐ | ☐ | ☐ | 4,000 |
| ☐ | ☐ | ☐ | 5,000 |
| ☐ | ☐ | ☐ | 8,000 |
| ☐ | ☐ | ☐ | 10,000 |
| ☐ | ☐ | ☐ | Other |
| ☒ | ☐ | ☒ | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

0 1 2 6 0

DRAIN TYPE:

- ☐ Stone
☒ EZ Flow
☐ Infiltrator
☐ Biodiffuser
☐ Cultec
☐ Drip
☐ Hancor
☐ Large Dia. Pipe
☐ Multi-Pipe
☐ Other

MAX DEPTH (IN.):

- ☐ 12 in. or less
☐ 18 in. or less
☒ 24 in. or less
☐ 26 in. or less
☐ 28 in. or less
☐ 30 in. or less
☐ 32 in. or less
☐ 36 in. or less
☐ Other

STONE DEPTH (IN.):

- ☐ 8 in. or less
☒ 12 in. or less
☐ 18 in. or less
☐ 24 in. or less
☐ Other

TRENCHES:

- ☒ Individual
☐ Bed

TRENCH WIDTH (IN.):

- ☐ 12 in. or less
☐ 18 in.
☐ 24 in.
☒ 36 in.
☐ 6 ft. or less
☐ 9 ft. or less
☐ Other

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED
UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: **D055463** STATUS: **A** APP. DATE: **07/07/2016** BLDG. PERMIT#: **0170031**
PIN: **0891 41 5926 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **02 BARTON'S CREEK** JURISDICTION: **WC** ZONING: **R40W** SW DEVICE: **N S#:**
APPLICANT: **ICG HOMES LLC** (919) 291 - 0777
4020 WAKE FOREST RD STE 306 RALEIGH, NC 27609
USE: HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE:
LTAR: **0.30 0.30** BEDROOMS: **4** BASEMENT: **N** #EMPLOYEES: **0**
SITE: ADDRESS: **12216 THE GATES DR**
SUBDIVISION: **THE GATES@ETHAN** LOT: **13** ACRES: **0.93** EASEMENT: **N** LOC: **SYS:**
DIRECTION: **R ON NC98 R PEED R TACKETTS POND L THE GATED DR**

Well System: WATER: COMMUNITY - TYPE:

WELL LOG INFORMATION: DEPTH: **_____** CASING DEPTH: **_____** YIELD: **_____** STATIC LEVEL: **_____**
WELL CONTRACTOR: **_____** REG.# **_____** PUMP CONTRACTOR: **_____** REG.# **_____**
Construction Compliance GROUT APPROVED ☐ DATE **_____** EHS **_____**
WELLHEAD APPROVED ☐ DATE **_____** EHS **_____**
SYSTEM FINALIZED ☐ DATE **_____** EHS **_____**

COMMENTS: **COMMUNITY**

Operation Permit

DESIGN FLOW: **_____** gal./min. ACTUAL FLOW: **_____** DOSE VOLUME: **_____** gal. INNOVATIVE LETTER: **_____**

INSTALLED BY: Branthley INSTALLATION APPROVED BY: Jay N. Smith
PROPRIETARY SYSTEM: E2 1234G TYPE SYSTEM: **II A**

COMMENTS:

OPERATIONS PERMIT ISSUED? Y OP DATE: 2/26/18 BY: Jay N. Smith 3/6/18-02

Systems defined as either a Type IIIb, IIIg with a pump, IV, V or VI, in accordance with the North Carolina Administrative Code 15A NCAC 18A .1961, Table V as adopted by reference in the "Regulations Governing Wastewater Treatment and Dispersal Systems in Wake County", require Wake County Environmental Services to conduct periodic inspections on this type system, pursuant to 15A NCAC 18A .1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The Environmental Health Specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

As Built Information:

Date: 2/14/18 Benchmark: ST Rod reading: 2'11 1/2" Distance to Structure: 17'(ST)
ST: 1250 gals ID#: STB-323 D.O.M.: 9/21/17 Elev.: 2'11 1/2" Distance to Well: **_____**
PT: **_____** gals ID#: **_____** D.O.M.: **_____** Elev.: **_____** Distance to P/L: 11'(SL)
GT: **_____** gals ID#: **_____** D.O.M.: **_____** Elev.: **_____** Pretreatment: **_____**
D-box/FD/PM elev.: 4'1" Supply Line: 20 ft. Pump/Ctrl Panel: **_____** Filter: S.M. TECH
Line 1: 5'7 1/2" 5'7 1/2" 5'7 1/2" 5'8" Date: 2/14 Line 6: **_____** Date: **_____**
Line 2: 6'7 1/4" 6'7 1/4" 6'7 1/4" 6'7" Date: 2/14 Line 7: **_____** Date: **_____**
Line 3: 7'11" 7'11" 7'10 1/2" 7'10 1/2" Date: 2/14 Line 8: **_____** Date: **_____**
Line 4: **_____** Date: **_____** Line 9: **_____** Date: **_____**
Line 5: **_____** Date: **_____** Line 10: **_____** Date: **_____**
ETM1: **_____** CC1: **_____** ETM2: **_____** CC2: **_____** OR: **_____** AC: **_____** WM: **_____**

Notes:

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT

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UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: D055463 STATUS: A APP. DATE: 07/07/2016 BLDG. PERMIT#: 0170031
PIN: 0891 41 5926 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 02 BARTON'S CREEK JURISDICTION: WC ZONING: R40W SW DEVICE: N S#:
APPLICANT: ICG HOMES LLC (919) 291 - 0777
4020 WAKE FOREST RD STE 306 RALEIGH, NC 27609
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: N PAID?:
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
SITE: ADDRESS: 12216 THE GATES DR
SUBDIVISION: THE GATES@ETHAN LOT: 13 ACRES: 0.93 EASEMENT: N LOC: SYS:
DIRECTION: R ON NC98 R PEED R TACKETTS POND L THE GATED DR

IMPROVEMENT PERMIT

[] As per GS 130A-335 (f), Improvement Permit is based on a Site Plan and is void Sixty (60) months from date of issuance.
[X] As per GS 130A-335 (f), Improvement Permit is based on a Plat and is valid without expiration.

Permit is subject to revocation if the site plan or plat, whichever is applicable, or the intended use changes.

TANK SIZE: 1200 gal. PUMP Tank: _____ gal. GREASE TRAP: _____ gal. SQ FT: 1260 ACCEPTED STATUS MAX DEPTH LINE: 21 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: II A PUMP: N P/M: N LP: TD:
DAILY FLOW: 480 gal/day WATER: COMMUNITY PRETREATMENT: NA FILL: N DAF: PB DEEP: N REDUCE35%: N

COMMENTS:

IP ISSUED? Y DATE: 07/19/2016 BY: (MYB)  PHONE#: (919)-268-9027

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION
VALIDITY CONCURRENT WITH THE IMPROVEMENT PERMIT
AUTHORIZATION CONDITIONS:

Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation is in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrification line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation.

OTHER CONDITIONS: SYSTEM DESIGNED FOR A 4 BEDROOM. INITIAL REQUIRES 1200GALS ST, 3X140', 25% REDUCTION, AND A 21" TRENCH BOTTOM. REPAIR REQUIRES A 1200GALS PT AND A MANIFOLD TO 4 UNEQUAL LENGTH LINES. MAINTAIN ALL REQUIRED SETBACKS. POOL LOCATION ON CA PART B NOT APPROVED. PLEASE CALL WITH ANY QUESTION PRIOR OR DURING INSTALL.

TANK SIZE: 1200 gal. PUMP TANK: _____ gal. GREASE TRAP: _____ gal. SQ FT: 1260 ACCEPTED STATUS MAX DEPTH LINE: 21 in.
MAINT: N OPER: N L/O: Y TRENCH#: 3 LENGTH: 140 ft. WIDTH: 36 in. DESIGNER: _____
SUBFIELDS: _____ DESIGN HEAD PRESSURE: _____ DESIGN FLOW: _____ gal/min DOSE VOLUME: _____ gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 08/02/2017 BY: (MYB)  PHONE#: (919)-268-9027

8/14/17
scr



accurate and current data source may

- AS BUILT - 1" = 40'

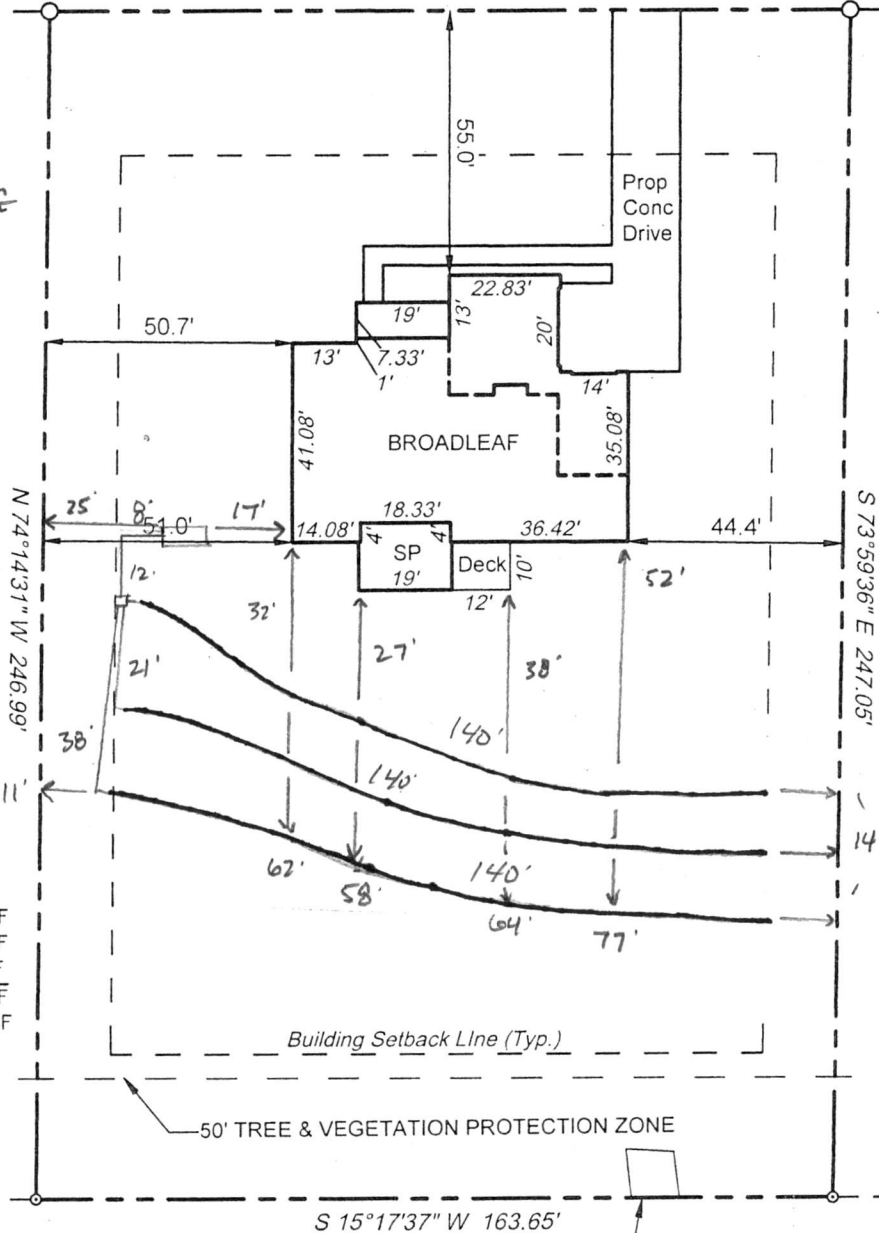
0 20
SCALE: 1" = 40'

Vicinity Map
(No Scale)

12216
THE GATES DRIVE
50' Public Right-of-Way

N 15°16'36" E 164.73'

1250 ST
DBOX
3- 36" X 140'
E212034G
Sim Tech
F1446
DOSS463
0170031
PLOT# 0891415926
(14)



IMPERVIOUS:

House:	3,521 SF
Drive & Sidewalk:	1,488 SF
Pool Deck:	864 SF
Total	5,873 SF
MAX	16,713 SF

BUILDING SETBACKS:

Front:	30'
Corner Side:	30'
Side:	15'
Rear:	30'

PHASE 1
THE GATES AT ETHAN'S GLEN
B.M. 2006, PG 1865

PRELIMINARY
FOR BUILDING PERMIT
PURPOSES ONLY

structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

Signature of Owner or Authorized Agent
(12)

Comments:
Side 15
Front 30
Rear 30
Corner

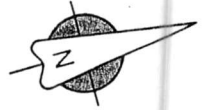
LEGEND:
○ Ex. property co
● Set property co
○ Calculated point
-x- Fence
-ss- Sanitary sewer
-sd- Storm drain pipe
-ou- Overhead utility

PLOT PLAN

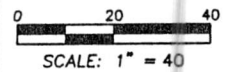
12216 The Gates Drive
PIN: 0891-41-5926
The Gates at Ethan's Glen
B.M. 2006, Page 1865, Lot # 13
Barton's Creek Township, Wake County, NC
January 25, 2017

I, Jeremy Taylor, certify that this plot was drawn under my supervision from an actual survey made under my supervision (deed and description recorded in Books referenced); that the boundaries not surveyed are clearly indicated as drawn from information found in Books referenced; that the ratio of precision as calculated exceeds 1:10,000; and that this plot meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).

- 1) The basis of North and all easements, right-of-way's, buffers, setbacks and adjoiners, etc., referenced from Book of Maps 2006, Page 1865 unless otherwise noted.
- 2) No investigation into the existence of jurisdictional wetlands or riparian buffers performed by this firm.
- 3) Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence or any other facts that an accurate and current title search may disclose.



BM 2006, Page 1865



Vicinity Map
(No Scale)

- Initial Gravity to 3x140'
- Repair Pump to Manifold
- MTD 21"
- 1200gal ST

- Maintain all Required Set backs

Pin# 0891415926

0170031
D055463
(14)

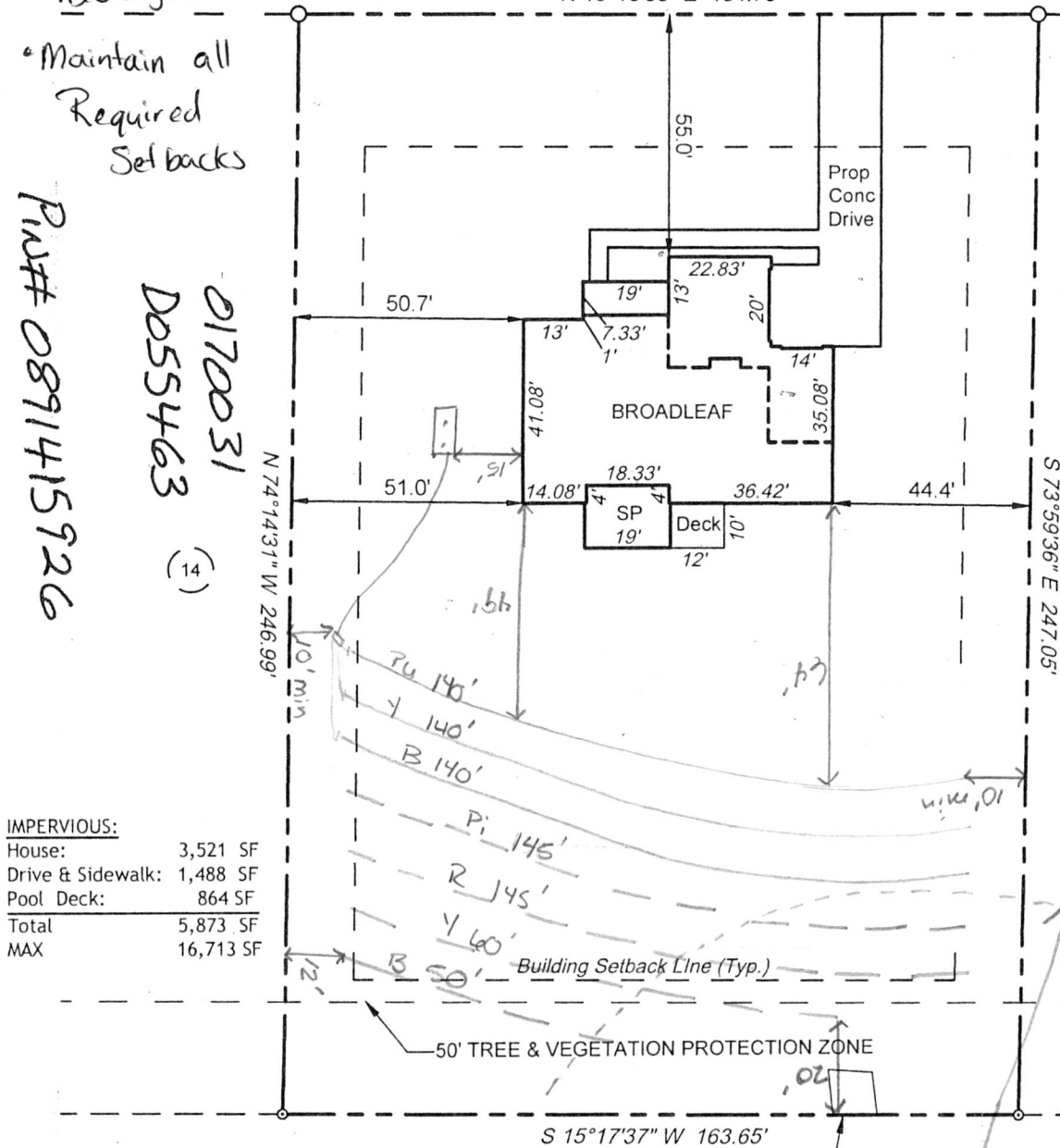
- CA Part B is Denied for Pool location

2/6

THE GATES DRIVE

50' Public Right-of-Way

N 15°16'36" E 164.73'



IMPERVIOUS:

House:	3,521 SF
Drive & Sidewalk:	1,488 SF
Pool Deck:	864 SF
Total	5,873 SF
MAX	16,713 SF

BUILDING SETBACKS:

Front: 30'
Corner Side: 30'
Side: 15'
Rear: 30'

PHASE 1
THE GATES AT ETHAN'S GLEN
B.M. 2006. PG 1865

- Ex Gravel Drive
Encroaches 10'

LEGEND:

- | | |
|------|---------------------|
| ○ | Ex. property corner |
| ● | Set property corner |
| ⊙ | Calculated point |
| —x— | Fence |
| —SS— | Sanitary sewer pipe |
| —SD— | Storm drain pipe |
| —OU— | Overhead utility |

I, Jeremy Taylor, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed and description recorded in Books referenced); that the boundaries not surveyed are clearly indicated as drawn from information found in Books referenced; that the ratio of precision as calculated exceeds 1:10,000; and that this plat meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).



TAYLOR
LAND CONSULTANTS, PLLC

5448 Apex Peakway, #165
Apex, NC 27502

License No P-0829

(919) 337-7998

PRELIMINARY
FOR BUILDING PERMIT
PURPOSES ONLY

PLOT PLAN

12216 The Gates Drive
PIN: 0891-41-5926
The Gates at Ethan's Glen
B.M. 2006, Page 1865, Lot # 13
Barton's Creek Township, Wake County, NC
January 25, 2017

CHANGE HOUSE TO BROADLEAF	SJB	6/29/17
CHANGE POOL SIZE	SJB	1/26/17
REVISION	BY	DATE

