

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: **D 0 5 7 0 8 2**

PIN #: **1 7 7 2 7 4 7 2 3 2**

OP DATE: **0 8 / 3 1 / 2 0 1 7**

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	SIZE
☐	☐		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 0 3 3 0

Total 990sq.ft.

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#: **D057082** STATUS: **A** APP. DATE: **03/27/2017** BLDG. PERMIT#: **0173021**
 PIN: **1772 74 7232 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:
 TOWNSHIP: **10 MARKS CREEK** JURISDICTION: **WC** ZONING: **R30** SW DEVICE: **N S#:**
 APPLICANT: **HOMES BY MICHAEL FORD** (919) 669 - 2295
PO BOX 9 CLAYTON, NC 27528
 USE: HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE:
 LTAR: **0.28 0.28** BEDROOMS: **3** BASEMENT: **N** #EMPLOYEES: **0**
 SITE: ADDRESS: **7808 CORTONA WAY**
 SUBDIVISION: LOT: ACRES: **0.69** EASEMENT: **N** LOC: **SYS:**
 DIRECTION: **264 EXIT SMITHFIELD L TURNIPSEED S/D ON LEFT**

Well System: WATER: INDIVIDUAL - TYPE: EXISTING

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: DUE TO THE UNDERLYING GEOLOGY AT THIS SITE, WAKE COUNTY RECOMMENDS TESTING OF THIS WELL FOR GROSS ALPHA RADIATION AND RADON TO SCREEN FOR RADIOLOGICAL CONTAMINANTS.

Operation Permit

DESIGN FLOW: _____ gal./min. ACTUAL FLOW: _____ DOSE VOLUME: _____ gal. INNOVATIVE LETTER: _____
 INSTALLED BY: Danny Barber/Honolo Strickland INSTALLATION APPROVED BY: [Signature]
 PROPRIETARY SYSTEM: 22 Flow TYPE SYSTEM: **II A**

COMMENTS:

OPERATIONS PERMIT ISSUED? ☒ OP DATE: 9/31/17 BY: [Signature]

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: 9/31/17 Benchmark: Line 3 Rod reading: 6.9' Distance to Structure: 13'
 ST: 1000 Existing gals ID#: Existing D.O.M.: _____ Elev.: _____ Distance to Well: 7100
 PT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Distance to P/L: 710
 GT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Pretreatment: NA
 D-box/FD/PM elev.: _____ Supply Line: _____ ft. Pump/Ctrl Panel: _____ Filter: Existing
 Line 1: Existing _____ Date: _____ Line 6: _____ Date: _____
 Line 2: Existing _____ Date: _____ Line 7: _____ Date: _____
 Line 3: 6.9' 6.9' 6.9' 6.9' Date: 9/31/17 Line 8: _____ Date: _____
 Line 4: _____ Date: _____ Line 9: _____ Date: _____
 Line 5: _____ Date: _____ Line 10: _____ Date: _____
 ETM1: _____ CC1: _____ ETM2: _____ CC2: _____ OR: _____ AC: _____ WM: _____
 Notes: _____

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HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE: DESIGN FEE REQ?: **PAID?:**
LTAR: **0.28 0.28** BEDROOMS: **3** BASEMENT: **N** #EMPLOYEES: **0** FOUNDATION DRAIN: **Y**
SITE: ADDRESS: **7808 CORTONA WAY**
SUBDIVISION: LOT: ACRES: **0.69** EASEMENT: **N** LOC: **SYS:**
DIRECTION: **264 EXIT SMITHFIELD L TURNIPSEED S/D ON LEFT**

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.

[] 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.

*Maximum depth of line is calculated using the downhill
*side of the trench and includes slope correction.

TANK SIZE: **EXIST** gal. PUMP Tank: gal. GREASE TRAP: gal. SQ FT: **330** **ACCEPTED STATUS** MAX DEPTH LINE: **24** in.
WASTEWATER: **INDIVIDUAL** SEWAGE: **DOMESTIC** TYPE SYSTEM: **II A** PUMP: **N** P/M: **N**
DAILY FLOW: **360** gal/day WATER: **INDIVIDUAL** PRETREATMENT: **NA**

COMMENTS:

IP ISSUED? DATE: BY: () **NA** PHONE#: (919)-

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. **Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.**

OTHER CONDITIONS: EXISTING TANK. DISCONNECT LINE CLOSEST TO THE HOUSE. INSTALL 1(110'X3') EZFLOW AS MARKED. START AT 24" TRENCH DEPTH. BRING RISERS ON TANK TO 6" ABOVE GRADE. CALL WITH ANY QUESTIONS AND FOR INSPECTION.

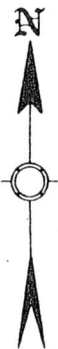
TANK SIZE: **EXIST** gal. PUMP TANK: gal. GREASE TRAP: gal. SQ FT: **330** **ACCEPTED STATUS** MAX DEPTH LINE: **24** in.
MAINT: **N** OPER: **N** L/O: **N** TRENCH#: **1** LENGTH: **110** ft. WIDTH: **36** in. DESIGNER: **SOIL SERVICES**
SUBFIELDS: DESIGN HEAD PRESSURE: DESIGN FLOW: gal/min DOSE VOLUME: gal. PRETREATMENT: **NA**

CA ISSUED? **Y** DATE: **08/28/2017** BY: (CHH) **Christina H. Hays** PHONE#: (919)-868-2564

2

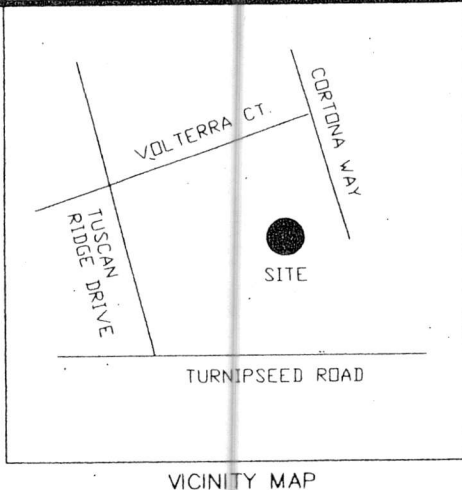
AS BUILT

Revised



CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	25.00	21.02	S25°20'51"W	20.41
C2	50.00	57.38	S16°58'20"W	54.28

TOTAL IMPERVIOUS AREA = 4,946.64SF MISA
TOTAL USED IMPERVIOUS AREA = 4,126.57SF
HOUSE = 2,155.57SF
CONCRETE = 1,775.72SF
COVERED PORCH = 195.28SF



PLAT NORTH
BOM 2003, PG. 1214

1772747232
I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate 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

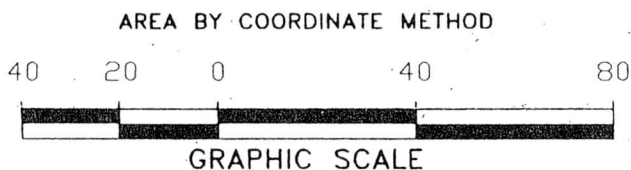
LOT 54

LOT 57



Zoning R30 By KAS
Approve X Date 5-10-17
Revise X Use 101A
Reject
Front 30 Rear 30
Side 10 Corner
Comments SFD

REFERENCE:
TUSCAN RIDGE S/D
PHASE 1
BOM 2003, PG. 1214
LOT 58



LOT 59

0173021
D057082

NOTES:
THIS PLAT IS NOT FOR
RECORDATION

UTILITIES ARE APPROX.
LOCATION

THIS PLAT DOES NOT
NECESSARILY MEET GS
47-30 AS AMENDED, NOR
WAS IT INTENDED TO.

LEGEND:
EIP = EXISTING IRON PIPE
ST = SEPTIC TANK
CP = CALCULATED POINT

LOT INFORMATION:
PIN: 1772747232
7808 CORTONA WAY
WENDELL, NC 27591

REVISED ON 5/8/17 TO
SHOW COVERED PORCH

SURVEY FOR

MICHAEL FORD BUILDING CO.

"I certify that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book BOM 2003 Page 1214 or other reference source _____); that the boundaries not surveyed are indicated as drawn from information in Book _____ Page _____ or other reference source _____; that the ratio of horizontal accuracy is 1:10,000 and the ratio of vertical accuracy is 1:10,000; that this map meets the requirements of the Professional Land Surveying Practice for Land Surveying in North Carolina (G.S. 56, 1600)."

This 9 day of May 2017
Seal of L-1387
Professional Land Surveyor
LINWOOD J. JONES



SOUTHWIND SURVEYING, PLLC
LAND SURVEYING AND PLANNING

FIRM NUMBER: P-1345

201 GLEN ROAD
GARNER, NC 27529
919-773-0183
919-934-4556 (FAX)

MARKS
CREEK
TOWNSHIP

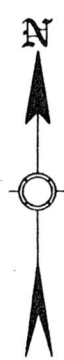
WAKE
COUNTY

STATE NC

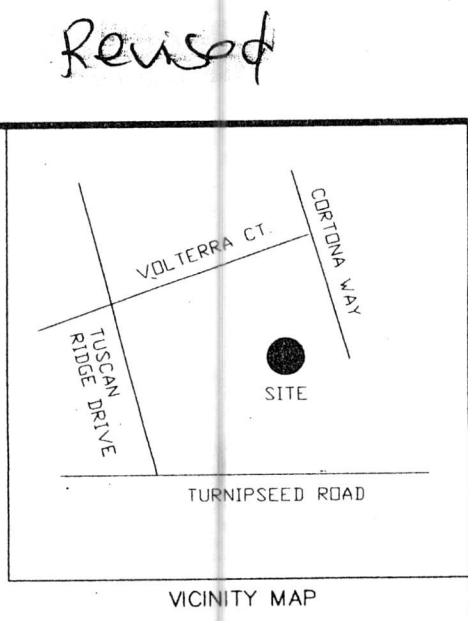
SCALE 1"=40'

DATE 1/20/17

DRAWING NO. 17-0016



CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	25.00	21.02	S25°20'51"W	20.41
C2	50.00	57.38	S16°58'20"W	54.28



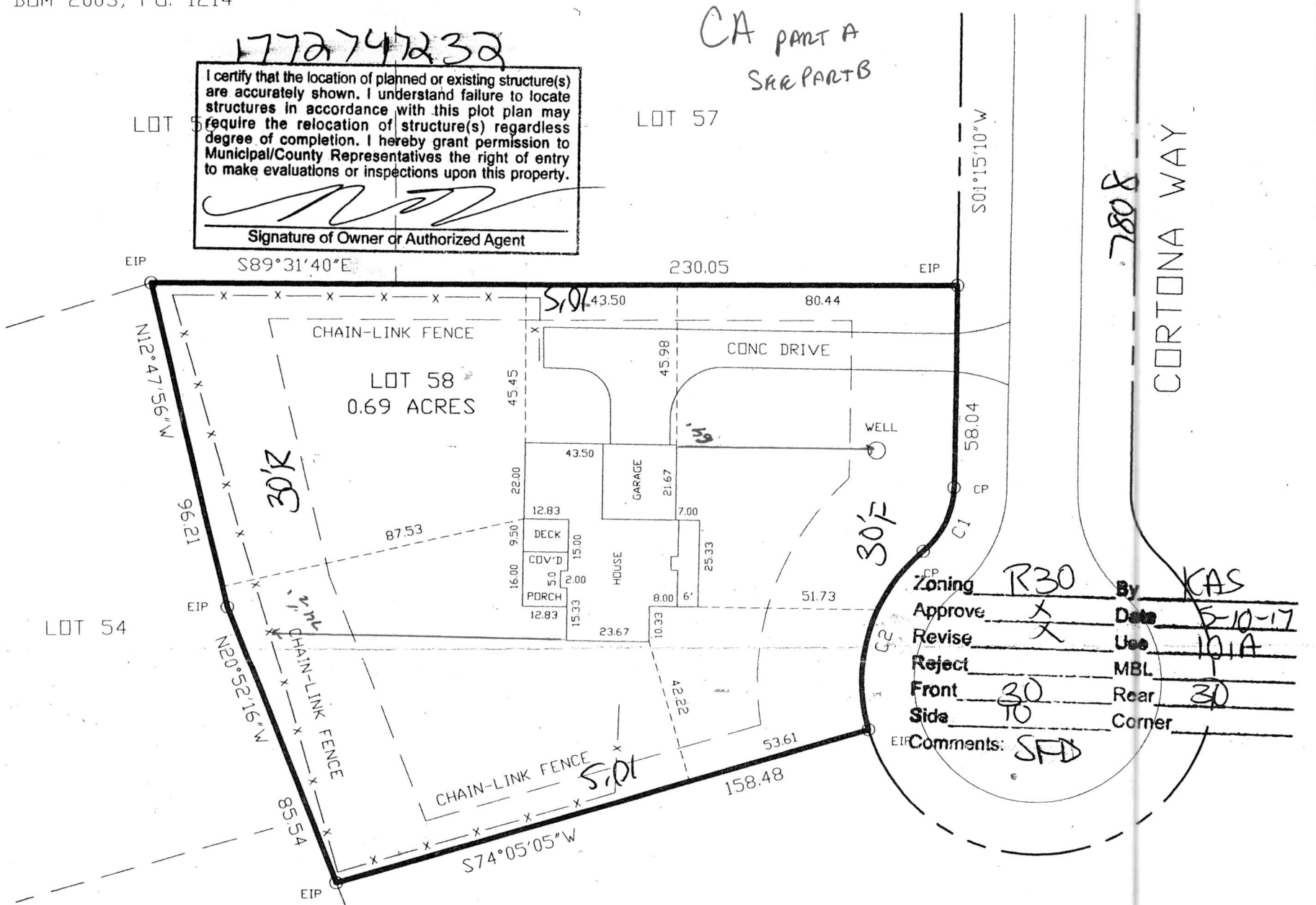
PLAT NORTH
BDM 2003, PG. 1214

TOTAL IMPERVIOUS AREA = 4,946.64SF **MISA**
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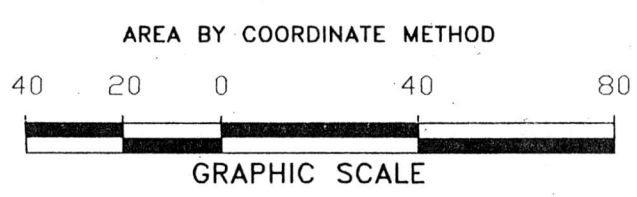
Signature of Owner or Authorized Agent

CA part A
SAR PART B



Zoning R30 By KAS
Approve X Date 5-10-17
Revise X Use 101A
Reject _____ MBL _____
Front 30 Rear 30
Side 10 Corner _____
Comments: SFD

REFERENCE:
TUSCAN RIDGE S/D
PHASE 1
BDM 2003, PG. 1214
LOT 58



LOT 59
0173021
D057082

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LOT INFORMATION:
PIN: 1772747232
7808 CORTONA WAY
WENDELL, NC 27591

REVISED ON 5/8/17 TO
SHOW COVERED PORCH

SURVEY FOR

MICHAEL FORD BUILDING CO.

"I certify that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book Bom 2003 Page 1214 or other reference source _____); that the boundaries not surveyed are indicated as drawn from information in Book _____, Page _____ or other reference source _____; that the ratio of this map to the original accuracy is 1:10,000 and that this map meets the requirements of the North Carolina Practice for Land Surveying in North Carolina (2017, 56, 1600)."

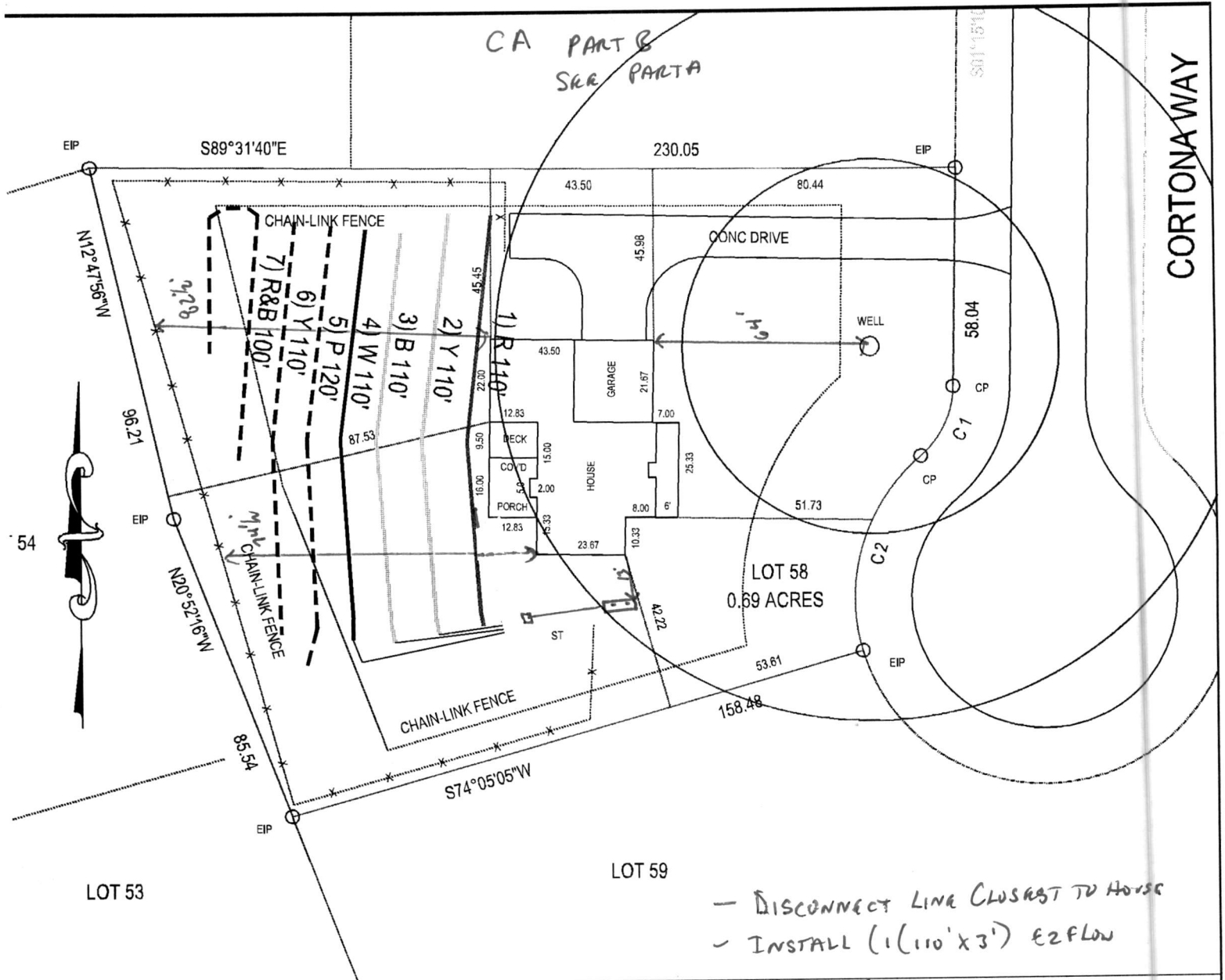
This 9 day of May 2017.
Seal

Professional Land Surveyor

SOUTHWIND SURVEYING, PLLC
LAND SURVEYING AND PLANNING
201 GLEN ROAD
GARNER, NC 27529
919-773-0183
919-934-4556 (FAX)

FIRM NUMBER: P-1345
MARKS CREEK
TOWNSHIP
WAKE
COUNTY
NC
STATE

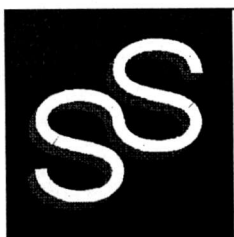
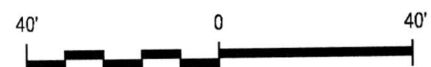
SCALE 1"=40' DATE 1/20/17 DRAWING NO. 17-0016



LEGEND

	NEW SYSTEM LINE
	EXISTING SYSTEM LINE TO BE UTILIZED
	EXISTING LINE TO BE ABANDONED
	REPAIR LINE
	PRIVATE WELL SEPTIC SYSTEM SETBACKS (50' REPAIR & 100' INITIAL)
	SEPTIC TANK
	PUMP TANK

GRAPHIC SCALE
1" = 40'



SOIL SERVICES, PLLC

PO BOX 91115, RALEIGH, NC 27675
OFFICE: (919) 745-1928 FAX: (919) 251-9053
WWW.SOILSERVICES.US

Sheet Title:

SEPTIC SYSTEM SITE PLAN

Project:

7808 CORTONA WAY

Location:

WAEK CO., NC

Client:

HOMES BY FORD

Project No.: 1471-1

Project Manager: SO Drawn: SO

Scale: 1"=40' Field Work: SO

Sheet No.:

1 of 1