139A
#10221

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MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A COMMERCIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ☑ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ○ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**
TAX PARCEL NUMBER: 01108103
STREET ADDRESS: 16715 DAVIDSON-CONCORD RD
CITY: DAVIDSON
STATE: NC ZIP: 28036
TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
☑ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**
DESCRIBE TYPE OF BUSINESS: GOLF DRIVING RANGE / PRO SHOP / SNACK BAR
○ COMMERCIAL ○ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 2300
NUMBER OF EMPLOYEES PER SHIFT: 5
NUMBER OF SHIFTS: 2 NUMBER OF SEATS: 40
TYPE OF WASTEWATER GENERATED:
☑ DOMESTIC SEWAGE ○ INDUSTRIAL WASTEWATER
○ OTHER _____

5. ***IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION IS REQUIRED.*** ☑ N/A

6. **WATER SUPPLY:** ○ MUNICIPAL ☑ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. **PROPOSED USE OF WELL:** ○ N/A ☑ IRRIGATION ☑ POTABLE (DRINKING WATER) ○ OTHER _____

8. **PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED):*
☑ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. **RANK:** ____ ____ ____ ____ ____

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ☑ NO	GRADING/SOIL REMOVAL PERFORMED	☑ YES ○ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	☑ YES ○ NO	JURISDICTIONAL WETLANDS	○ YES ☑ NO
WELLS, SPRINGS, OR WATER LINES	☑ YES ○ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ☑ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ☑ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ☑ NO
CHEMICAL/PETROLEUM STORAGE TANKS	☑ YES ○ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ☑ NO
WASTE STORAGE	○ YES ☑ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ☑ NO

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____ ☑ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** MAY 1 ☐ N/A

12. **PROPERTY OWNER:**
NAME: KAREN GOCHNAUER
ADDRESS: 156 YORK SPAWN ROAD
CITY: HAMPTONVILLE
STATE: NC ZIP: 27020
WORK PHONE: 704 201 9164
MOBILE PHONE: _____
FAX: _____
E-MAIL: WPH@hunterconstructiongroup.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: ERIK HERBERTH
ADDRESS: 8317 VIEWPOINT LANE
CITY: CORNELIUS
STATE: NC ZIP: 28031
WORK PHONE: _____
MOBILE PHONE: 440 258 9295
FAX: _____
E-MAIL: erik@thegolfstudioatns.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. 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. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring. EHH (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. 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. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

_____ 3-5-19

Property Owner's or Owner's Legal Representative Signature — Date

---

OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

File #: _____

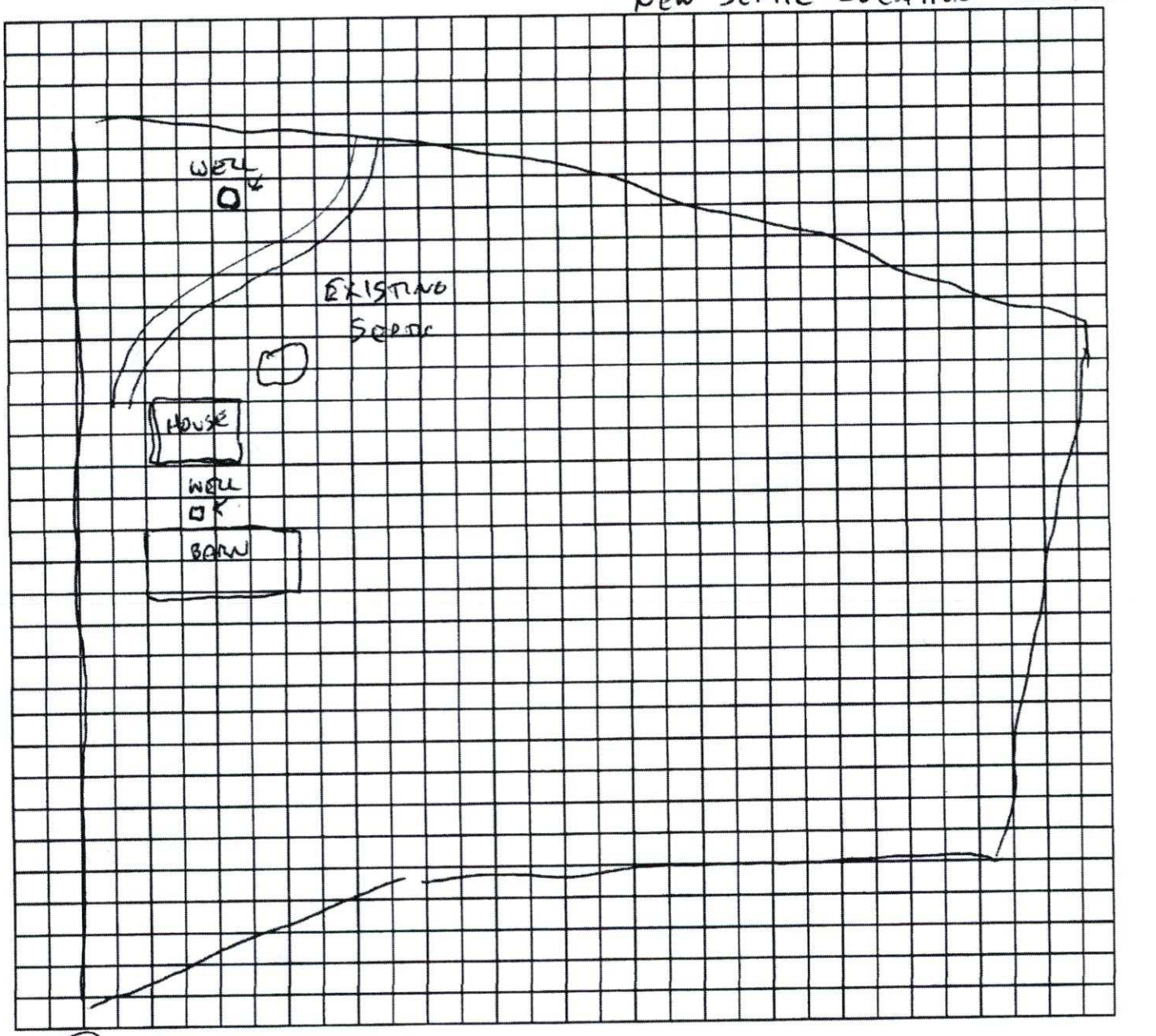
PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 16715 DAVIDSON CONCORD RD Tax Parcel #: 01108103

Subdivision Name: _____ Lot #: _____

NEW SEPTIC LOCATION UNKNOWN



Property Owner's or Owner's Legal Representative Signature

3-5-19
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

Payment Receipt

Mecklenburg County POS

Environmental Health
700 N. Tryon Street
Charlotte, NC 28202
Phone: 704-336-5100

Enter Account # or Customer Name Here: ERIK HERBERTH

Bill To:

ERIK HERBERTH
8317 VIEWPOINT LN

Cornelius, NC 28031

Single Payment

Transaction Date: 03/08/2019 6:21 AM Pacific Time
Pay Method: **********2944
Approval #: 36617B
Trace Number: 053f8a12-2f72-4d6a-b016-25c514d0d1b4
Amount: $450.00

Payment Amount: $450.00

Total: $450.00

Thank you for your payment.

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/08/19	**Amount:**	450.00
Receipt #:	116072	**Tendered:**	450.00
Check / Auth #:	MC 36617B	**Returned:**	0.00
Received By:	ABDUSAI		

Account Information

Account #: 200000
Contractor: HERBERTH, ERIK
Attn:
Address: 8317 VIEWPOINT LN
Address:
City/State/Zip: CORNELIUS, NC 28031

Item	Description	Permit#	Quantity	Unit Price	Total Price
0735	Improv Permit Appl-Comm 16715 DAVIDSON CONCORD RD		1	450.00	450.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☒ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) _____ Initial/Date 450.00 commercial

CA ($200.00) _____Initial/Date

OP ($200.00) _____Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 _____Initial/Date

Alteration Fees Paid: $300 Total $200 _____Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☐ Review ☐

This site is served by septic and well. Verify each is complete before final hold is released ☐

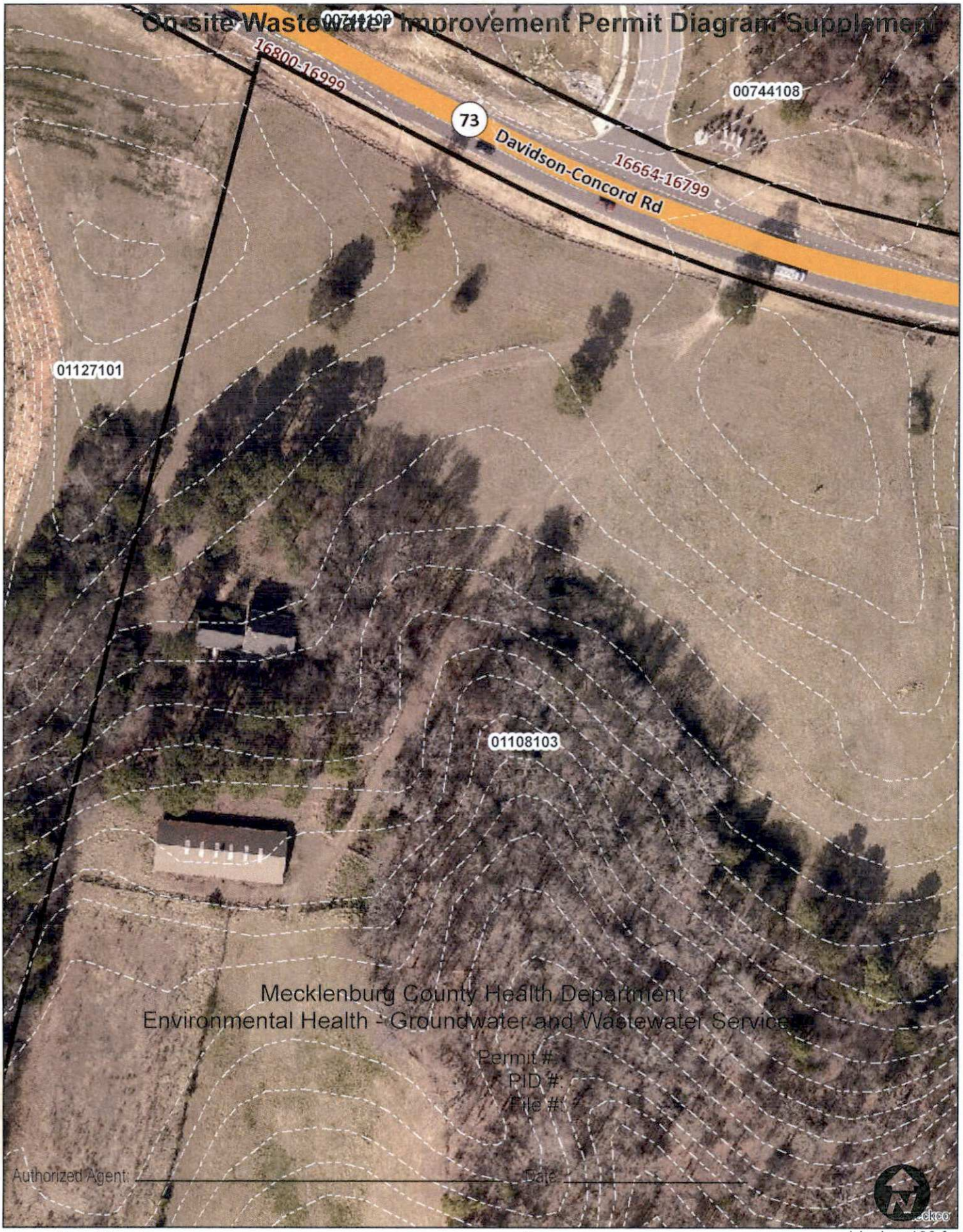
Septic file complete ☐_____ Well complete ☐ _____

Send permit for signature ☐ Signature received ☐ _____

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____

On-site Wastewater Improvement Permit Diagram Supplement



Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #:
PID #:
File #:

Authorized Agent: _____ Date: _____

Owner/ Legal Agent: _____ Date: _____

1 inch = 100 feet

On-site Wastewater Improvement Permit Diagram Supplement



Owner/ Legal Agent: _____ Date: _____ 1 inch = 1

0-24 sdk C Fi LS

24-39 sdk CL Fr GJ .25/.3

39-46 sdk Loam Fr

46-50 Saprolite

0-18 Fill? Need P.t

18-30 mass SL Saprolite

0-18 sdk SCL/Fill? LS .25

18-33 sdk C Fi .25

33-48 sdk C L

0-14 Fill?

14-24 sdk C Need

24-34 sdk CL

34+ Saprolite P.t

Erik Herberth
440-258-9295

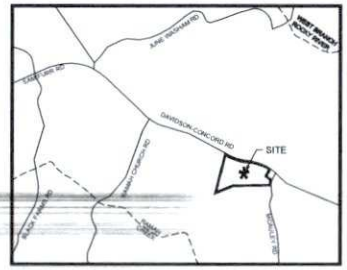
SPECIAL USE PERMIT for

NC 73 DRIVING RANGE

16715 DAVIDSON-CONCORD ROAD

TOWN OF HUNTERSVILLE, MECKLENBURG COUNTY, NORTH CAROLINA

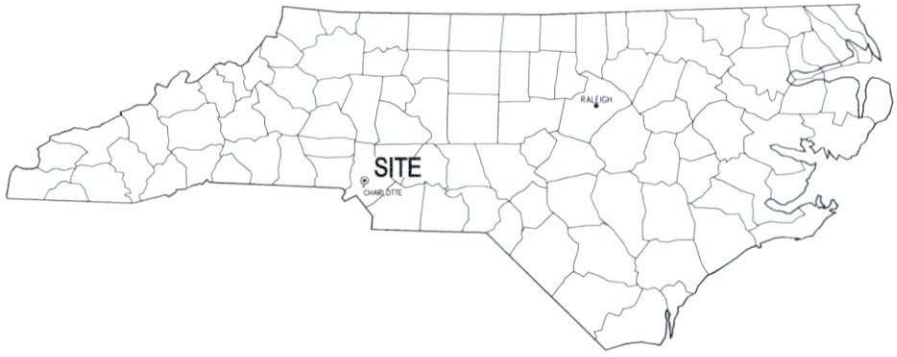
EPM #



SITE LOCATION MAP

NOT TO SCALE

SHEET INDEX	
Sheet No.	Sheet Title
SUP-01	COVER SHEET
SUP-02	BOUNDARY SURVEY
SUP-03	EXISTING CONDITIONS
SUP-04	SITE PLAN
SUP-05	GRADING PLAN
SUP-06	PHOTOMETRIC PLAN
SUP-07	PHOTOMETRIC PLAN



Kimley»Horn

DEVELOPER/OWNER:

LAKE NORMAN GOLF DEVELOPMENT GROUP, LLC
8317 VIEWPOINT LANE,
CORNELIUS, NC 28031

CONTACT: ERIK HERBERTH

ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH TRYON STREET
SUITE 200
CHARLOTTE, NORTH CAROLINA 28202
(704) 333-5131 TEL

CONTACT: MAGGIE JONES P.E.

Kimley»Horn
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH TRYON STREET, SUITE 200, CHARLOTTE, NC 28202
PHONE: 704-333-5131
WWW.KIMLEY-HORN.COM
NC LICENSE #-0102

No.	REVISIONS	DATE	BY

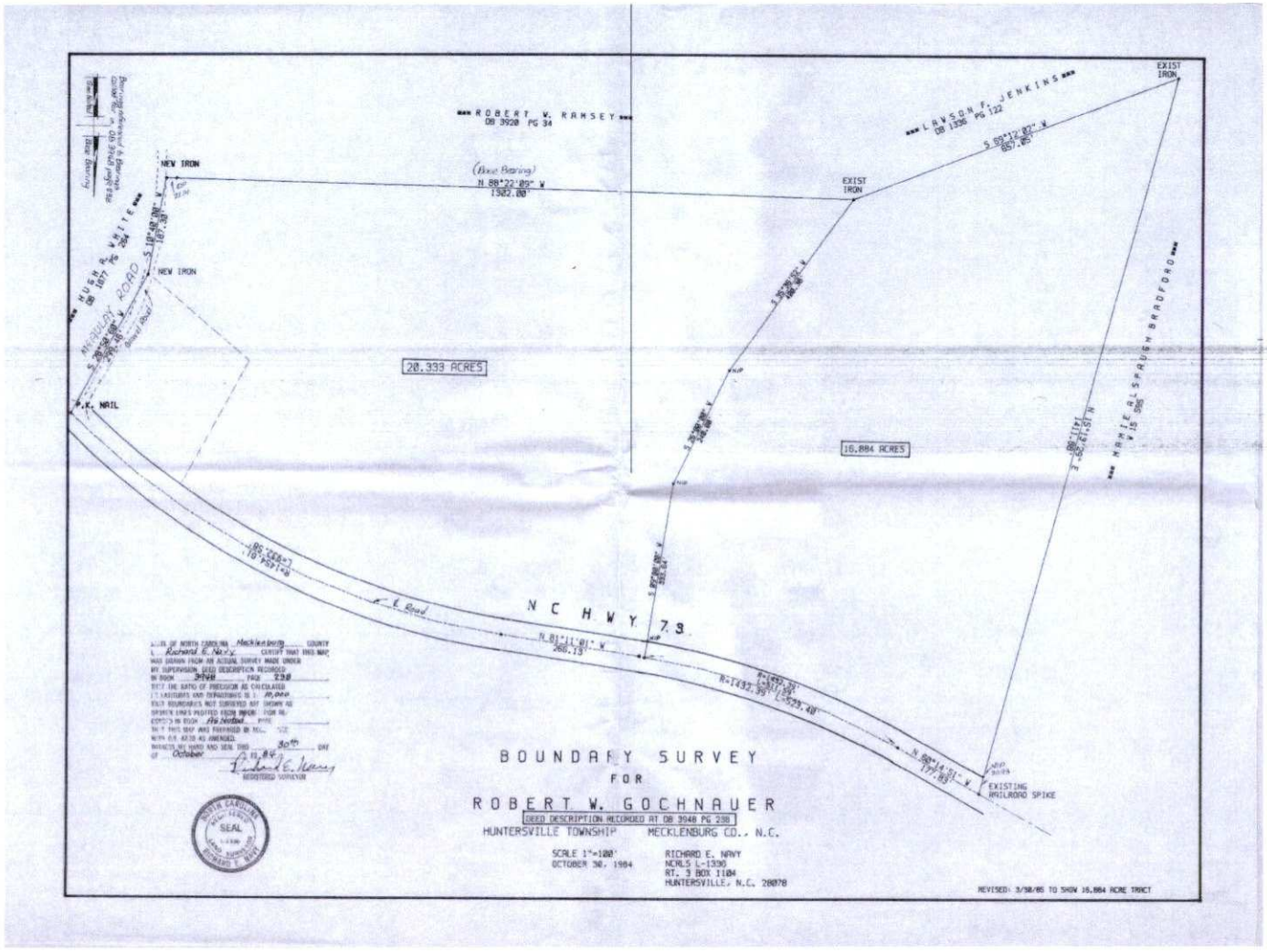
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 041181 ORIGINAL
Margaret Jones

KHA PROJECT	037231000
DATE	11/9/2018
SCALE	–
DESIGNED BY	MFJ
DRAWN BY	MFJ
CHECKED BY	MAE

COVER SHEET

NC 73 DRIVING RANGE
HUNTERSVILLE NORTH CAROLINA

SHEET NUMBER
SUP-01



Kimley»Horn

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NC LICENSE #-0102

No.	REVISIONS	DATE	BY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040851

KHA PROJECT 031219000
DATE 2/12/2019
SCALE AS SHOWN
DESIGNED BY BPJ
DRAWN BY BPJ
CHECKED BY MAE

NC 73 DRIVING RANGE
HUNTERSVILLE NORTH CAROLINA

BOUNDARY SURVEY

SHEET NUMBER
SUP-02

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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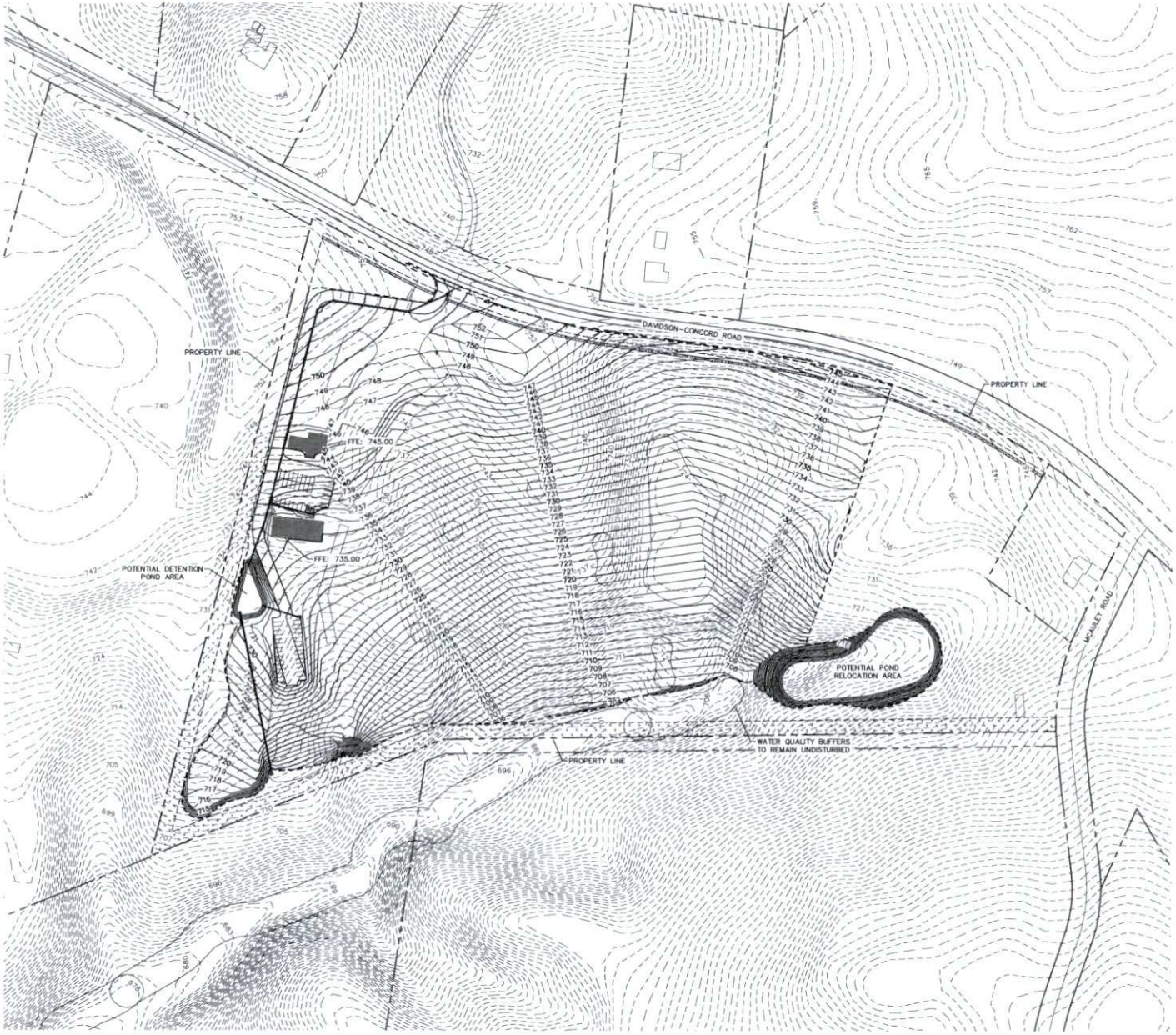
NOTE:
ALL EXISTING CONDITIONS INFORMATION IS PROVIDED FROM MECKLENBURG COUNTY GIS.

GRAPHIC SCALE IN FEET
0 100 200

NORTH

SHEET NUMBER SUP-03	NC 73 DRIVING RANGE HUNTERSVILLE NORTH CAROLINA	EXISTING CONDITIONS	KHA PROJECT 031231000 DATE 2/13/2019 SCALE 1" = 100' DESIGNED BY MFJ DRAWN BY MFJ CHECKED BY MAE	Kimley»Horn	No. REVISIONS DATE BY

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200 SOUTH TRYON STREET SUITE 200, CHARLOTTE, NC 28202
PHONE: 704-333-5131
WWW.KIMLEY-HORN.COM
NC LICENSE #-0102



GRADING PLAN LEGEND	
750	PROPOSED MAJOR CONTOUR
749	PROPOSED MINOR CONTOUR
750	EXISTING MAJOR CONTOUR
749	EXISTING MAJOR CONTOUR
LOD	LIMITS OF DISTURBANCE
	PROPOSED STORM DRAIN

TOTAL DISTURBED AREA: 24.89 ACRES

	PRE-DEVELOPMENT	POST-DEVELOPMENT
SITE AREA (Ac.)	35.23	
IMPERVIOUS AREA (Ac.)	0.17	1.29
SCS CURVE NUMBER	71.3	72.4
TIME OF CONCENTRATION (min)	22.0	17.0
PEAK RUNOFF (50YR 24HR) (cfs)	121.48	152.64
TOTAL RUNOFF (50YR 24HR) (cf)	421,094	431,505

DETENTION REQUIRED (cf) : 10,411
DETENTION PROVIDED (cf) : 13,198

NORTH

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY

Kimley»Horn

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200 SOUTH TRYON STREET, SUITE 200, CHARLOTTE, NC 28202
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WWW.KIMLEY-HORN.COM
NC LICENSE #: C-0102

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040861 Margaret Spurrier

KHA PROJECT 031031000
DATE 3/7/2019
SCALE 1" = 100'
DESIGNED BY MPJ
DRAWN BY MPJ
CHECKED BY MAE

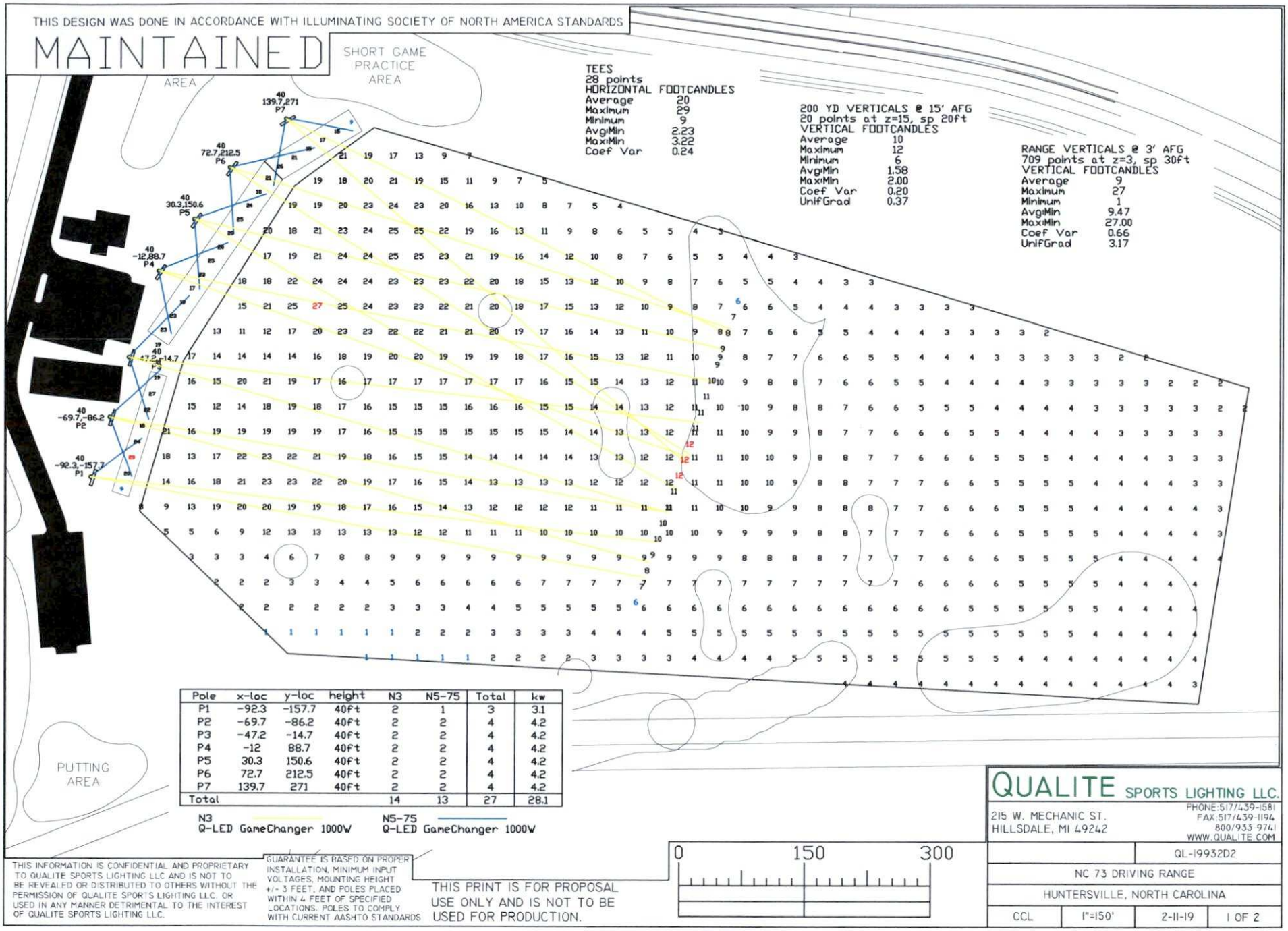
GRADING PLAN

NC 73 DRIVING RANGE
HUNTERSVILLE NORTH CAROLINA

SHEET NUMBER
SUP-05

THIS DESIGN WAS DONE IN ACCORDANCE WITH ILLUMINATING SOCIETY OF NORTH AMERICA STANDARDS

MAINTAINED



TEES
28 points
HORIZONTAL FOOTCANDLES

Average	20
Maximum	29
Minimum	9
Avg:Min	2.23
Max:Min	3.22
Coef Var	0.24

200 YD VERTICALS @ 15' AFG
20 points at z=15, sp 20ft
VERTICAL FOOTCANDLES

Average	10
Maximum	12
Minimum	6
Avg:Min	1.58
Max:Min	2.00
Coef Var	0.20
UnifGrad	0.37

RANGE VERTICALS @ 3' AFG
709 points at z=3, sp 30ft
VERTICAL FOOTCANDLES

Average	9
Maximum	27
Minimum	1
Avg:Min	9.47
Max:Min	27.00
Coef Var	0.66
UnifGrad	3.17

Pole	x-loc	y-loc	height	N3	N5-75	Total	kw
P1	-92.3	-157.7	40ft	2	1	3	3.1
P2	-69.7	-86.2	40ft	2	2	4	4.2
P3	-47.2	-14.7	40ft	2	2	4	4.2
P4	-12	88.7	40ft	2	2	4	4.2
P5	30.3	150.6	40ft	2	2	4	4.2
P6	72.7	212.5	40ft	2	2	4	4.2
P7	139.7	271	40ft	2	2	4	4.2
Total				14	13	27	28.1

N3 Q-LED GameChanger 1000W
N5-75 Q-LED GameChanger 1000W

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO QUALITE SPORTS LIGHTING LLC AND IS NOT TO BE REVEALED OR DISTRIBUTED TO OTHERS WITHOUT THE PERMISSION OF QUALITE SPORTS LIGHTING LLC. OR USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF QUALITE SPORTS LIGHTING LLC.

GUARANTEE IS BASED ON PROPER INSTALLATION, MINIMUM INPUT VOLTAGES, MOUNTING HEIGHT +/- 3 FEET, AND POLES PLACED WITHIN 4 FEET OF SPECIFIED LOCATIONS. POLES TO COMPLY WITH CURRENT AASHTO STANDARDS

THIS PRINT IS FOR PROPOSAL USE ONLY AND IS NOT TO BE USED FOR PRODUCTION.

0 150 300

QUALITE SPORTS LIGHTING LLC.
215 W. MECHANIC ST.
HILLSDALE, MI 49242
PHONE:517/439-1581
FAX:517/439-1194
800/933-9741
WWW.QUALITE.COM

QL-19932D2

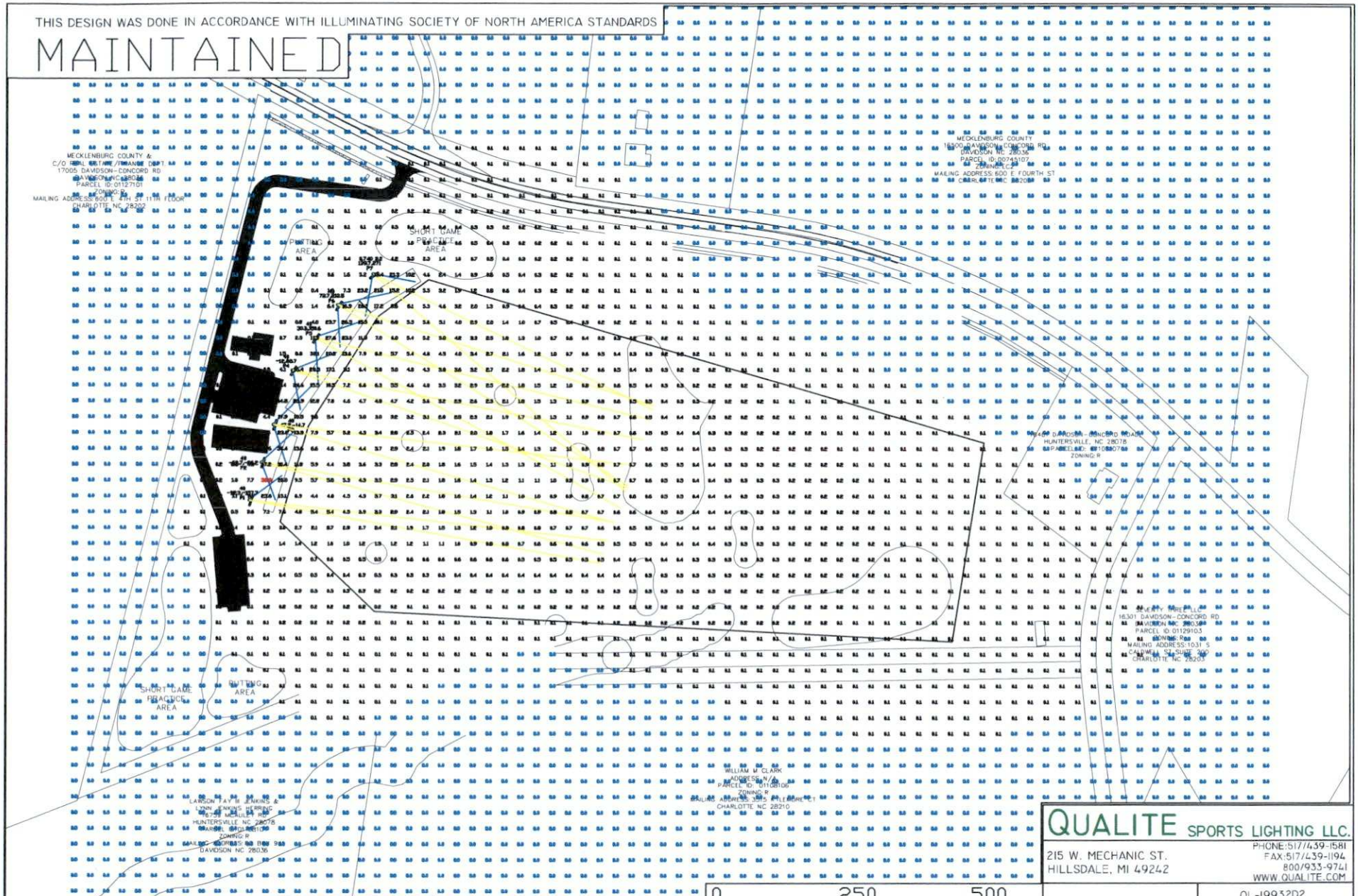
NC 73 DRIVING RANGE

HUNTERSVILLE, NORTH CAROLINA

CCL	1"=150'	2-11-19	1 OF 2

THIS DESIGN WAS DONE IN ACCORDANCE WITH ILLUMINATING SOCIETY OF NORTH AMERICA STANDARDS

MAINTAINED



0 250 500

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HILLSDALE, MI 49242
PHONE:517/439-1581
FAX:517/439-1194
800/933-9741
WWW.QUALITE.COM

	QL-19932D2
NC 73 DRIVING RANGE	
HUNTERSVILLE, NORTH CAROLINA	

CCL	1"=150'	2-11-19	2 OF 2