



Department of Planning,
 Development and Transportation
 Planning Division
 305 Chestnut Street
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 Wilmington, NC 28402-1810
 910 254-0900
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 www.wilmingtonnc.gov
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APPROVED: DENIED:

PERMIT #: TPP-19-117

Application for Tree Removal Permit

Name of Applicant: Stephanie Kelly, HagerSmith Design Phone: (910) 604-4360 Date: 01/31/19

Name of Property Owner: New Hanover Medical Center Phone: (910) 343-2788

Property Owner Address: PO Box 9000 Wilmington, NC 28402

Address of Proposed Tree Removal: 1923 Glen Meade Rd, Wilmington NC 28403

Description of tree(s) to be removed/reason for removal: (provide attachment if necessary) Please See Attached

- | | |
|-----------------------------|-----------------------------|
| 1. <u>24" Longleaf Pine</u> | 6. <u>15" Longleaf Pine</u> |
| 2. <u>18" Longleaf Pine</u> | 7. _____ |
| 3. <u>15" Longleaf Pine</u> | 8. _____ |
| 4. <u>12" Longleaf Pine</u> | 9. _____ |
| 5. <u>24" Longleaf Pine</u> | 10. _____ |

Description of Replacement Tree(s): (3) of the six Longleaf Pines to be removed are subject to mitigation. (25) Longleaf Pine replacement plugs or buy down required. Please see attached letter and Exhibit 'A.'

I Stephanie Kelly, PLA, certify that the property owner has given me permission to apply for this permit on his/her behalf.

Applicant Signature: *Stephanie Kelly* Date: 01/21/19

*****FOR OFFICIAL USE ONLY*****

Reviewed By: *Nicole D Smith* Date: 2/5/19

Remarks: *PIL of \$16,100 was provided as tree mitigation.*

ALL WORK MUST BE IN COMPLIANCE WITH THE CITY LAND DEVELOPMENT CODE, ARTICLE 8, LANDSCAPING AND TREE PRESERVATION.

NEW CONSTRUCTION: EXPANSION: OTHER: PAID: \$25.00 1/23/19

Tree Preservation Permit Fees

Less than 1 acre	\$25.00
1-5 acres	\$50.00
5-10 acres	\$100.00
Greater than 10 acres	\$150.00

RECEIVED

JAN 31 2019



February 5, 2019

City of Wilmington,
Department of Planning, Development & Transportation
305 Chestnut Street
Wilmington, NC 28401

Regarding: UPDATED Tree Removal Permit for 1923 Glen Meade Rd--NHRMC Emergency Well House

The proposed emergency domestic water supply well, along with the associated building and utilities, are situated on the only possible location of the subject lot. This is due to the State regulatory requirement that all property within a 100-foot radius of the well must be under direct control of the well owner to prevent/minimize the potential for well contamination. Please reference Exhibit 'A' layout. There are (6) existing protected longleaf pines directly adjacent to the proposed well house facility, which pose a hazard to the NHRMC emergency water supply during storm events and natural disasters. Three of the six protected longleaf pines have over 40% of their critical root zone within the development footprint, and one (tree #2) is considered to be exempt under essential site improvements LDO Section 18-461 (B). The five remaining longleaf pines require mitigation buydown. See Exhibit 'A' layout and calculations.

UDO Sec. 18-458 (c) - Tree protection during construction:

If the entire CRZ cannot be preserved, the disturbed area shall extend no closer to the protected tree trunk than one half (½) the radius of the CRZ. In no case can more than forty (40) percent of the CRZ be disturbed.

UDO Sec. 18-461 (a) - Exemptions to mitigation.

Protected trees removed within the footprint of the lot coverage are exempt from mitigation, provided the total building footprint does not exceed twenty-five (25) percent of the total lot area, and provided that the applicant has designed around trees in order to retain as many trees as practicable.

UDO Sec. 18-460 (e) - Mitigation.

Pines may be mitigated on site with long-leaf pine plugs spaced ten (10) feet apart at a rate of one (1) plug per inch DBH of the removed tree multiplied by the percentage in Table IV divided by three (3). Alternatively, up to one-half (½) of the pine plugs required for replacement may be substituted with replacement hardwoods of equal or higher value in Table IV at the rate of one (1) hardwood per pine plug required.

In accordance with UDO Section 18-460 (f), the property owner would like to request a mitigation buydown. As mentioned previously, the longleaf pines to be removed are a danger to the hospital's emergency water supply. (46) replacement trees on this small (0.68 acre) site would ultimately pose the same hazard, as those to be removed. Existing trees around the perimeter of the site are being protected and required buffer plantings (adj. to residential) and a street yard are being provided. See sheet L-1 Landscape Plan of the site plan submission package.

UDO Sec. 18-460 (f) - Mitigation.

If in the determination of the city manager, the site cannot accommodate the required numbers of trees or pine plugs, then only the amount of trees or pine plugs which can be accommodated on the site will be replaced and the remainder of caliper inches shall be mitigated through a payment in lieu of providing on-site trees. This payment shall be made into the City Tree Improvement Fund to be used for plantings of public spaces in the general vicinity of the project. The amount of the payment shall be in accordance with the pricing standards of the respective jurisdiction.

Thanks for your consideration in this matter.

Sincerely,

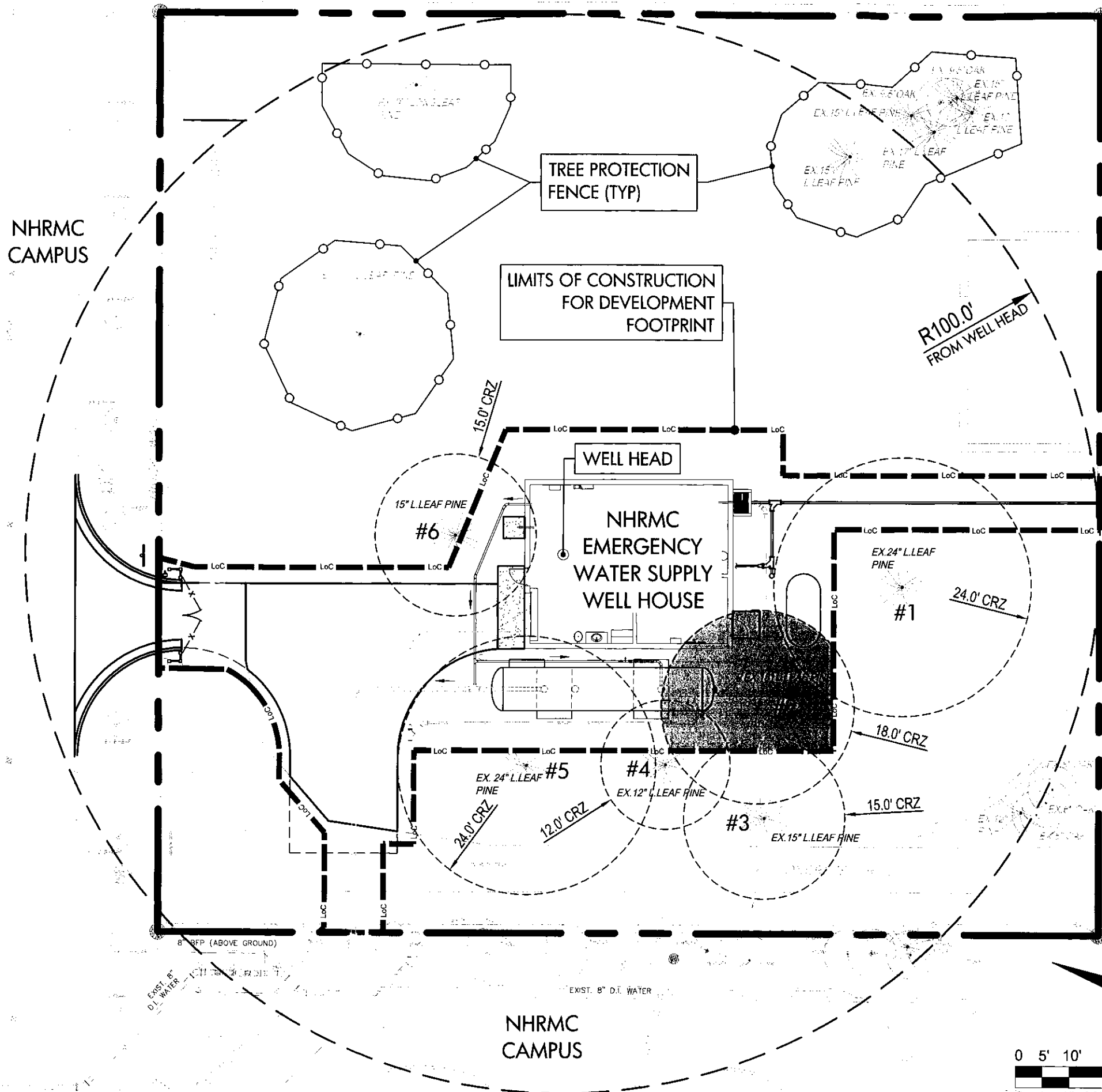
Stephanie M. Kelly, PLA

SINGLE-FAMILY RESIDENTIAL

TREE REMOVAL EXHIBIT 'A'



02/05/2019



GLEN MEADE ROAD

UDO Sec. 18-458--Tree protection during construction:
 If the entire CRZ cannot be preserved, the disturbed area shall extend no closer to the protected tree trunk than one half (1/2) the radius of the CRZ. In no case can more than forty (40) percent of the CRZ be disturbed.

UDO Sec. 18-461-- Exemptions to mitigation:
 Protected trees removed within the footprint of the lot coverage are exempt from mitigation, provided the total building footprint does not exceed twenty-five (25) percent of the total lot area, and provided that the applicant has designed around trees in order to retain as many trees as practicable.

6,636 SF (Development Footprint)/ 29,560 SF (Site)= 22.4%

TREE #1: 24" LONGLEAF PINE (SIGNIFICANT) TO BE REMOVED
 CRZ: 1,810 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 681 SF
 % OF CRZ IMPACTED: 681/ 1,810 = 37.6%
MITIGATION REQUIRED: 24 * 2 = 48/ 3 = (16)

TREE #2: 18" LONGLEAF PINE TO BE REMOVED
 CRZ: 1,018 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 736 SF
 % OF CRZ IMPACTED: 736/ 1,018 = 72.3%

NO MITIGATION--ESSENTIAL SITE MITIGATION PER SEC. 18-461 (B)

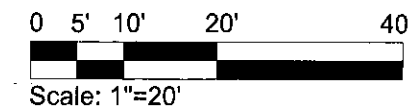
TREE #3: 15" LONGLEAF PINE TO BE REMOVED
 CRZ: 707 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 28 SF
 % OF CRZ IMPACTED: 28/ 707 = 3.7%; (EXCLUDES IMPACT FROM EXISTING DRIVE)
MITIGATION REQUIRED: 15/ 3 = (5)

TREE #4: 12" LONGLEAF PINE TO BE REMOVED
 CRZ: 452 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 165 SF
 % OF CRZ IMPACTED: 165/ 452 = 36.5%
MITIGATION REQUIRED: 12/ 3 = (4)

TREE #5: 24" LONGLEAF PINE TO BE REMOVED
 CRZ: 1,810 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 805 SF
 % OF CRZ IMPACTED: 805/ 1,810 = 44.5%; (EXCLUDES IMPACT FROM EXISTING DRIVE)
MITIGATION REQUIRED: 24 * 2 = 48/ 3 = (16)

TREE #6: 15" LONGLEAF PINE TO BE REMOVED
 CRZ: 707 SF
 AREA OF CRZ W/IN DEVELOPMENT FOOTPRINT: 381 SF
 % OF CRZ IMPACTED: 381/ 707 SF = 53.9%
MITIGATION REQUIRED: 15/ 3 = (5)

TOTAL MITIGATION: (46)



1/4" = 8' WATER

1/4" = 8' WATER

EXIST. 8" D.I. WATER

EXIST. 8" PUBLIC WATER

8" RFP (ABOVE GROUND)

MISCELLANEOUS CASH PAYMENT

DATE: 02/05/19

ACCOUNT NUMBER: 033-0000-380.08-02

PROJECT NUMBER: Tree Mitigation Fee

NAME: New Hanover Regional

DESCRIPTION: 13 PR 10-Tree Mitigation

NHRMC WELL HOUSE

AMOUNT PAID: \$16,100.00

BY: Nicole D Smith

CITY OF WILMINGTON
REPRINT
*** CUSTOMER RECEIPT

Batch ID

2/05/19 01

Type SvcCh Descr
99 MISCEL

Qty

CUSTOMER CONTRIBUT 03300003800802
TREE MITIGATION FEE
NEW HANOVER REGIONAL
NHRMC WELL HOUSE
BY NICOLE SMITH
FAC

Tender detail

CHK Ref#	847135	\$16100.00
Total tendered		\$16100.00
Total payment:		\$16100.00

Trans date: 2/05/19 Time: 14:36

** THANK YOU **