MEMORANDUM

TO: Chapel Hill Planning Commission

FROM: Gene Poveromo, Development Manager

Kay Pearlstein, Senior Planner

SUBJECT: Site Plan Review Application – 109 Mason Street, Northside Neighborhood

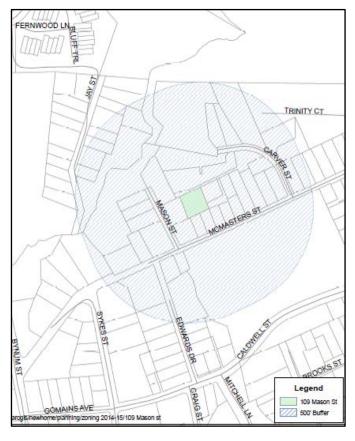
Conservation District (File No. 15-006)

DATE: March 3, 2015

We have completed our review of the Site Plan Review application noted above. We recommend approval with conditions.

INTRODUCTION

This application proposes to construct a 1,745 square foot single-family dwelling unit on a 12,196 square foot lot. The proposed one-story house with finished basement includes four bedrooms, two bathrooms, and an office/media room. Two covered porches are proposed. The property is located in the Northside Neighborhood Conservation District and within the Residential-3 (R-3) zoning district. The property is land-locked with a 15-access easement from 103 Mason Street. The lot is currently vacant.



A Concept Plan proposal for this project was reviewed by the Community Design Commission at its meeting on March 2, 2015. A summary of the Community Design Commission comments will be provided at the March 3 Planning Commission meeting.

BACKGROUND

Northside Neighborhood Conservation District Site Plan Review applications are evaluated based on compliance with the procedural and dimensional requirements of the Land Use Management Ordinance; and the design standards in the Council approved Northside Neighborhood Conservation District Guidelines.

Land Use Management Ordinance:

We believe that the proposed application, with the conditions proposed in the attached

resolution, meets all the regulations and standards of the Land Use Management Ordinance pertaining to the Northside Neighborhood Conservation District. A checklist of these requirements and standards can be found in Attachment 1.

We also note that because this is a single-family unit, the maximum number of vehicles that could be parked on this lot is four. As required by the Land Use Management Ordinance, the proposed parking area must be clearly delineated and marked as well as maintained in a safe and sanitary condition.

RECOMMENDATION

We recommend that the Planning Commission adopt Resolution A, approving the Site Plan Review application, with the stipulations noted. We recommend that the applicant provide an asbuilt survey prior to receiving a Building Final for a Certificate of Occupancy.

Following Planning Commission approval, the applicant will proceed with a Zoning Compliance Permit application, demonstrating compliance with the Land Use Management Ordinance and supplemental conditions identified in the attached resolution.

ATTACHMENTS

- 1. Checklist
- 2. Resolution A
- 3. Resolution B
- 4. Applicant's Materials

ATTACHMENT 1 Checklist of Regulations and Standards

109 Mason Street	STAFF EVALUA	TION	
Residential-3 Zoning District Northside Neighborhood Conservation District	STANDARD	APPLICATION	COMPLIANCE WITH ORDINANCE
Land Use Management Ordinance Standards:			
Setbacks	Street – 24 feet Interior – 8 feet Solar – 11 feet	Street – N/A Interior – 8 feet Solar – 11	V
Floor Area Ratio	0.20	0.20	$\sqrt{}$
Floor Area (maximum)	1,750 sq. ft.	1,745 sq. ft.	$\sqrt{}$
Vehicle Parking Spaces (maximum)	4	4	V
Front Yard Parking (maximum)	40%	N/A	√
Primary Height (maximum)	20 feet	18'- 4"	√
Secondary Height (maximum)	26 feet	25'-10"	√
Bedroom to Bathroom Ratio	< 1 (more than 2 bedrooms)	1:2 (2 baths/4 bedrooms)	V
Amount of Impervious Surface		4,793 sq. ft.	$\sqrt{}$
Erosion and Sedimentation Control		n/a	n/a
Steep Slope Disturbance			√ with ZCP submission
Land Disturbance		6,081 sq. ft.	√
Stormwater Management		n/a	n/a
Drainage Plan		√	√ with ZCP submission
Tree Protection		$\sqrt{(>5,000 \text{ Sq. Ft.})}$ land disturbance)	√
Lighting		n/a	n/a
Utility Lines Underground		√	√ with ZCP submission
Public Water and Sewer confirmation		V	√ with ZCP submission
Resource Conservation District Regulations		n/a	n/a
Watershed Protection District		n/a	n/a

Northside Neighborhood Conservation District Guidelines:	STANDARD	APPLICATION	COMPLIANCE WITH GUIDELINES
Building orientation	Orient to street	Oriented toward back of adjacent house @ 103 Mason Street; no street frontage	√ with CDC and PC approval
Site Design	Landscaping, lighting, sidewalks, building placement	See site plan	√ with CDC and PC approval
Parking	Located at side or rear of house; 40% limitation; not obscure front door; clearly distinguished from front yard	Parking area located in rear of house	√ with CDC and PC approval
Fencing	Consistent along block	Not proposed	√ with CDC and PC approval
Porches	Should have porch or covered stoop	√	√ with CDC and PC approval
Design Details	Windows on all sides; respect character of neighborhood in scale and proportion;	See site plan and application	√ with CDC and PC approval

N/A – Not applicable

(Approving Application)

A RESOLUTION APPROVING AN APPLICATION FOR A SITE PLAN APPLICATION FOR 109 MASON ROAD (File No. 15-006)

BE IT RESOLVED by the Planning Commission of the Town of Chapel Hill that it finds that the 109 Mason Road Site Plan Application, proposed by owner Houtan Kargar, on the property identified as Orange County Property Identification Number 9788-09-8006 if developed according to the plans dated January 20, 2015 and the conditions listed below, would comply with the provisions of the Land Use Management Ordinance and Design Manual:

These findings are based on the following supplemental stipulations:

Stipulation Specific to the Development

- 1. That construction shall begin within one year from the date of approval and completed within two years from the date of approval.
- 2. That the applicant must obtain a Zoning Compliance Permit prior to beginning any construction work.
- 3. That prior to issuance of Certificate of Occupancy, the applicant submit documentation certified by a registered architect that the floor area, as defined by Land Use Management Ordinance, does not exceed 1,745 square feet.
- 4. Occupancy by more than four (4) persons who are not related by blood, adoption, marriage, or domestic partnership is prohibited.
- 5. Parking restrictions limit the number of parked vehicles on the lot to four vehicles. That the parking area be clearly delineated and marked with a safe and sanitary surface.
- 6. That certified as-build plans, signed and sealed by a North Carolina Registered Professional Land Surveyor showing building height limitations, building footprints, driveways, and all other impervious surfaces located on the zoning lot be submitted prior to Building Final for issuance of Certificate of Occupancy.
- 7. That the final plan shall be approved by OWASA prior to issuance of a Zoning Compliance Permit.
- 8. That a Building Permit must be obtained and construction must begin by March 3, 2016 and construction be completed by March 3, 2017.

BE IT FURTHER RESOLVED that the Planning Commission of the Town of Chapel Hill hereby approves the application for a Site Plan for the 109 Mason Street in accordance with the plans and conditions listed above.

This the 3rd day of March, 2015.

RESOLUTION B

(Denying Application)

A RESOLUTION DENYING AN APPLICATION FOR A SITE PLAN FOR 109 MASON STREET (File No. 15-006)

BE IT RESOLVED by the Planning Commission of the Town of Chapel Hill that it finds that the 109 Mason Street Site Plan, proposed by owner Houtan Kargar, on the property identified as Chapel Hill PIN 9788-09-8006 if developed according to the plans dated January 20, 2015 and the conditions listed below, would not comply with the provisions of the Land Use Management Ordinance and Design Manual:

These findings are based on the following:

(INSERT REASONS FOR DENIAL)

BE IT FURTHER RESOLVED by the Planning Commission hereby denies the application for the 109 Mason Street Site Plan.

This the 3rd day of March, 2015.

APPLICATION FOR NORTHSIDE/PINE KNOLLS CONCEPT PLAN APPLICATION

Revised 01.31.12



TOWN OF CHAPEL HILL Planning Department

405 Martin Luther King Jr. Blvd Chapel Hill, NC 27514 phone (919) 968-2728 fax (919) 969-2014

www.townofchapelhill.org

Permit Number:

Parcel Identifier Number (PIN): 9788 - 09 - 8006	Date: 1-23-15
Section A: Project Information	10, Lot & William State State State
Construction adding 600 square feet or more of floor area. Property Address: 109 MASON STREET	
Zoning District: R-3	Northside (CD-1) Pine Knolls (CD-4)
1 Toject Description:	en of 1,800 square feet.
Section B: Applicant, Owner and/or Contract Purchaser In	formation
Applicant Information (to whom correspondence will be mailed	d)
Name: H&M BROTHERS, INC.	
Address: PO Box 692	
City: Chapel Hill State: NC	zip Code: 27514 zothersinc G gmail. com
Phone: <u>919 - 308 - 8321</u> Email: <u>hmbr</u>	othersine 6 gmail. com
The undersigned applicant hereby certifies that, to the best of his/her application is true and accurate. Signature:	
Owner/Contract Purchaser Information:	EMANI, UP
_	tract Purchaser
Name: HOUTAN KARGAR	
Address: 4003 Peachway Court	
City: Durham State: NC	Zip Code: 27705
Phone: 440-533-9000 Email: house	Las Karres Gamail com
The undersigned property owner(s) or contract purchaser(s) hereby conformation supplied with this application is true and accurate author review by authorized staff. I hereby acknowledge receipt of informate Management Ordinance for dwelling units, single family, two family Signature:	certifies that, to the best of his knowledge and belief, all rize(s) the filing of this application, and authorize(s) on-site tion concerning occupancy limits, as defined by the Land Use





Section C: Land Area

Date lot was originally crea	ated				11./	14/57						
Net Land Area (NLA): Area	within zoning lot bounda	aries			NLA=	12,197	sq. ft.					
Choose one, or both, of	of-way	a) Credited Street Area (total adjacent frontage) x ½ width of public right-										
the following (a or b,) not to exceed 10% of NLA	b) Credited Permanent dedicated open space	b) Credited Permanent Open Space (total adjacent frontage) x ½ public or										
TOTAL: NLA + CSA and/or	COS = Gross Land Area (r	not to exceed NLA + 1	LO%)		GLA=	12,197	sq. ft.					
Special Protection Areas:	Icheck all those that app		mpervious Area									
	(check all those that app. Resource Conservation D	ly)) Year Floodplain	☐ Wate		rotection Distr	rict					
Jordan Buffer Land Disturbance	Resource Conservation D	ly) District 100) Year Floodplain			otal (sq ft)	rict					
Jordan Buffer Land Disturbance Area of Land Disturbance	Resource Conservation D	ly) District 100) Year Floodplain				rict					
Jordan Buffer Land Disturbance	Resource Conservation D (Includes: footprint of protents, and all grading)	ly) District 100) Year Floodplain			otal (sq ft)	rict					
Land Disturbance Area of Land Disturbance materials, access/equipment	Resource Conservation D (Includes: footprint of property paths, and all grading) within RCD	ly) District 100) Year Floodplain			otal (sq ft)	rict					

Section E: Dimensions

Impervious Surface Area (ISA)

impervious surface on 7/1/1993

Impervious Surface Ratio: Percent Impervious Surface Area of Gross Land Area (ISA/GLA) %

If located in Watershed Protection District, % of

	Dimensional Requirements	Required by Ordinance	Existing	Proposed
	Street	24		n/a
Setbacks	Interior (neighboring property lines)	8		38'9"
(minimum)	Solar (northern property line)	11-		/2
Height (max	mum)	26		25'10"
Front Yard P		40 · /. (max)		n/a

0

0

0

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SUBMITTAL REQUIREMENTS TOWN OF CHAPEL HILL Planning Department

Floor Area (in square footage)	Maximum Allowed	Existing	Demolition	Proposed	Total
Total floor area on zoning lot	.1439	Ø	O	.1800	1800
Garage building area			21		
Floor area on each side of duplex					
Floor area of accessory apartment					
Check all that apply				*	
Water	⊠ owasa		Individual We	ell [Other
Sewer	⊠ OWASA	1	Individual Sep	otic Tank	Other
Electrical	■ Undergrou	nd	Above Groun	d	
Telephone	☑ Undergrou	ınd	Above Groun	d	
Solid Waste	▼ Town		☐ Private		
Submittal Requirements				178	
3. Public Water/Sewer Con 4. Recorded Plat of easemer 5. Building Elevation (label 6. Statement of Compliance of C	ents, right-of-way, a building height fron e with Design Guide with bedroom/bath apliance with allowa	and dedications, in top of roof to melines (attached) room ratio	f applicable nean natural grade lin – Written response to	ne) o each point in gui	idelines
9. Digital Files – provide dig					
10. Mailing List of Property (
39 11. Number of addresses on			Mailing fee \$ 30.0		+ (010) 059 2729
N/A 12. RCD, Jordan Buffer, Floo					r (313) 300-2720
N/A 13. Resource Conservation I					ed by Planning)
N/A 14. Jordan Buffer Notice of I					ed by riaiiiiiig)
15. Erosion Control Permit (16. Statement of Complianc 17. Digital photos of site and				11011 20,000 34 1t/	
16. Statement of Complianc			mes		
17. Digital photos of site and					
18. Reduced Site Plan Set (re	eaucea to 8.5 XII)				
		Page 3 of 6			

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Existing Conditions Plan

- Location of all existing structures and setbacks a)
- Property lines and right-of-way lines b)
- Location of Resource Conservation District (RCD), Jordan Buffer, Floodplain, and Wetlands c)
- Stream determination, if not done within past 5 years d)

Detailed Site Plan (5 copies)

- Existing and proposed structures, driveways, sidewalks, impervious surface, and stormwater
- Indicate location of water, sewer, electric, cable, telephone, and gas lines b)
- Area of land disturbance (include grading, construction, staging, utility lines, access areas, and stormwater c) facilities
- Proposed utility lines, fences d)
- Existing roads (public & private), rights-of-way, sidewalks, driveways, vehicular parking areas, bicycle parking, e) handicapped parking, street names.

Steep Slope Plan (classifying slopes 0-10%, 10-15%, 15-25%, 25% and greater if lot created after 1/27/03

Landscape Protection Plan (3 copies) for lots with greater than 5,000 square feet of land disturbance

- Tree survey (trees greater than 18" diameter at 4 feet in height) a)
- Rare and specimen tree critical root zones b)
- Rare and specimen trees proposed to be removed c)
- Proposed tree protection/silt fence location d)
- Pre-construction/demolition conference notes e)
- Existing and proposed tree canopy calculations, if applicable

Land Disturbance within the Resource Conservation District (or Encroachment Exemption approval)

- Utilities Plan; a)
- Grading Plan showing existing and final contours; b)
- Sedimentation and Erosion Control Plan; c)
- Stormwater Management Plan; d)
- Soils Analysis; e)
- Plan view including topography of the site; location of streams, watercourses, stormwater runoff f) channels; floodway and floodplain; existing or proposed storm and sanitary sewers and sewer outfalls; septic tanks systems; existing and proposed structures; the 100-year flood and RCD elevations and limits; and existing and proposed tree lines;
- Profile view including elevations of the watercourse beds; waterway openings of existing and proposed g) culverts and bridges within or near the site; size and elevation of existing or proposed sewer and drain outlets; 100-year water surface elevations and limits; and elevations of the RCD;
- Description of existing vegetation, including significant trees and shrubs; and a landscape plan; h)
- Description of wildlife habitats; i)
- Description of proposed storage of materials and of waste disposal facilities; j)
- Certificate from a registered professional engineer or architect with respect to floodproofing; k)
- Copies of notifications to and responses by adjacent communities, the North Carolina Department of 1) Crime Control, and Public Safety, and the Federal Emergency Management Agency, regarding any proposed alteration or relocation of a riverine watercourse;
- The increase in elevation of the 100-year flood upstream from the development, velocity changes and m) rate of rise changes, runoff, water quality change, sediment deposit rate changes, and duration of flood:
- A list of owners of properties located within five hundred (500) feet of the subject property boundaries n) with the full name and address of each property owner, with stamped, pre-addressed mailing

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SUBMITTAL REQUIREMENTS TOWN OF CHAPEL HILL **Planning Department**



envelopes for each owner on the mailing list.

For lots created prior to January 27, 2003 and greater than 5,000 square feet of land disturbance, the stormwater plans must control for stormwater rate and quality. For lots created after January 27, 2003, with any amount of land disturbance, the plan must control for stormwater rate, quality, and volume.

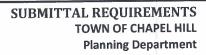
Stormwater Management Plan (2 copies)

- Topography (2-foot contours)
- b) Existing drainage conditions
- Proposed drainage and stormwater conditions c)
- Drainage conveyance system (piping) d)
- Roof drains e)
- Easements f)
- BMP plans, dimensions, details, and cross-sections g)
- Planting and stabilization plans and specifications h)

Stormwater Management Report (2 copies)

- Written narrative describing existing & proposed conditions, anticipated stormwater impacts and management structures and strategies to mitigate impacts
- Description of land uses and area (in square footage) b)
- Impervious surface area c)
- Ground cover d)
- Soil Information (classification, infiltration rates, depth to groundwater and bedrock) e)
- Time of concentration calculations and assumptions f)
- Topography (2-foot contours) g)
- Pertinent on-site and off-site drainage conditions h)
- Upstream and/or downstream volumes i)
- Discharges and velocities j)
- Drainage areas and sub-areas delineated k)
- Backwater elevations and effects on existing drainage conveyance facilities 1)
- Location of jurisdictional wetlands and regulatory FEMA Special Flood Hazard Areas m)
- Water quality volume calculations n)
- RCD delineation and boundary (perennial & intermittent streams, post-development with mitigation 0)
- Hydrographs for pre-& post-development without mitigation, post-development with mitigation p)
- Peak discharge calculations and rates (1, 2, and 25-year storms) q)
- Volume calculations and documentation of retention for 2-year storm r)
- 85% TTS for post-development stormwater run-off s)
- Nutrient loading calculations t)
- BMP sizing calculations u)
- Pipe sizing calculations and schedule (including HGL & EGL calculations and profiles) v)

Permit Number:





Northside/Pine Knolls Neighborhood Conservation District Regulations

Regulation	Northside	Pine Knolls	Notes
Maximum secondary building height (single-family residential)	26 feet	26 feet	
Maximum size for single-family dwelling	1,750 square feet	1,750 square feet	Variance may be requested for up to 2,250 square feet per Section 4.12.2(b) of Land Use Management Ordinance
Maximum floor area ratio for single-family dwelling (or single-family with accessory apartment)	.20	.25	
Maximum number of parked vehicles per property	4	4	Site Plan Approval for an exception to be reviewed by the Planning Board for up to 6 vehicles for duplex and triplex units
Zoning Compliance Permit Notification	Required for increase in floor area or garage	Required for increase in floor area or garage	two-week waiting period to allow for resident comments to the applicant
Accessory Dwellings	Not Permitted	Not Permitted	
Flag Lots	Not Permitted	Not Permitted	100
Rooming Houses	Not Permitted	Not Permitted	
Duplexes and Triplexes	Permitted*	Permitted*	*only projects with 100%affordability
Planning Board Review	250 square feet	250 square feet	Demolition and projects adding 250 or more square feet of floor area to a zoning lot
Community Design Commission Review	600 square feet	600 square feet	Projects adding 600 or more square feet of floor area to a zoning lot

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Permit Number:_____

109 MASON STREET

CHAPEL HILL, NC 27516 (STATEMENT OF COMPLIANCE)

WE, H & M BROTHERS, INC., ON BEHALF OF MR. HOUTAN KARGAR, ARE SUBMITTING INFORMATION DESCRIBING A PROPOSED NEW 1,745 SQUARE-FOOT SINGLE-FAMILY RESIDENCE ON A CURRENTLY VACANT PARCEL (9788-09-8006).

DESIGN OF THE HOME, SINGLE-STORY WITH BASEMENT, IS CRAFTSMAN/COLONIAL STYLED, CONSISTING OF FOUR-BEDROOMS, THREE-BATH, COVERED FRONT PORCH AND WINDOWS ON EACH SIDE. PRIMARY HEIGHT IS 18'4", SECONDARY IS 25'10".

THE FOUNDATION WILL BE FACE BRICK OR CONCRETE, AND THE WALLS ABOVE THE FOUNDATION WILL BE TRADITIONAL VINYL OR HARDIEBOARD LAP SIDING ON THE FIRST FLOOR WITH POTENTIAL FOR STRAIGHT CUT SHINGLES AT ITS GABLES AND DORMERS. THE PRIMARY ROOF AND THE FRONT PORCH WILL CONSIST OF FIBERGLASS (OR ASPHALT SHINGLES) AND/OR 5V CRIMP METAL ROOFING.

RESPONSES TO POINTS IN DESIGN GUIDELINES:

- THE NEW HOUSE, ALTHOUGH LAND-LOCKED, WILL BE ORIENTED FACING MASON STREET, SIMILAR TO EXISTING NEIGHBORING HOUSES.
- PARKING WILL BE LOCATED PRINCIPALLY AT THE REAR OF THE HOUSE, WITH NO PARKING IN THE FRONT YARD AREA.
- WE ARE NOT ANTICIPATING CONSTRUCTING FENCING, EXCEPT SEDIMENT.
- THE HOUSE WILL HAVE A COVERED FRONT PORCH.
- SCALE/PROPORTIONS ARE SIMILAR TO EXISTING NEIGHBORING HOUSES.

❖ TOTAL FLOOR AREA: 1,800 SQ.FT

FINISHED: 1,745 SQ.FT

UNFINISHED:

55*SQ.FT*

FLOOR AREA RATIO: .15

TOTAL LAND AREA:

12,197 SQ.FT

IMPERVIOUS AREAS:

4,793 *SQ.FT*

INCLUDES:

1.820 SQ.FT

BUILDING: DISSIPATER:

18 *SQ.FT*

DRIVEWAY:

2,768 SQ.FT

GRAVEL WALKWAY:

187*SQ.FT*

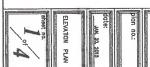
MAX IMPERVIOUS ALLOW: 4,840 SQ.FT

TOTAL LAND DISTURB: 6,081 SQ.FT

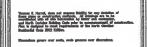
SCALE: 1/4" = 1'-0"

REAR ELEVATION
SCALE: 1/4" = 1'-0"

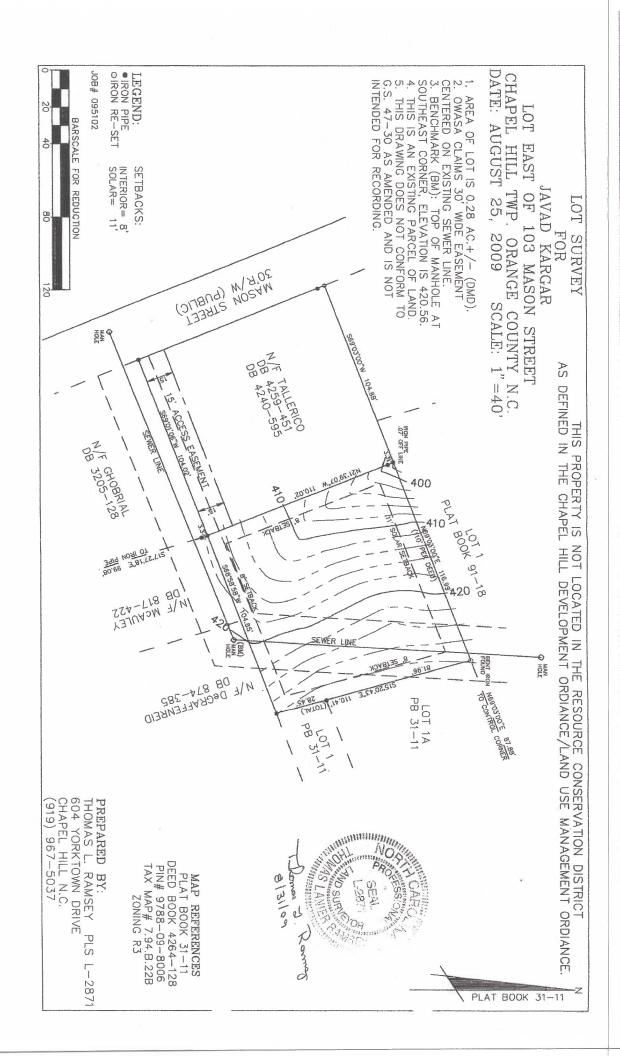
REAR 1'-0"

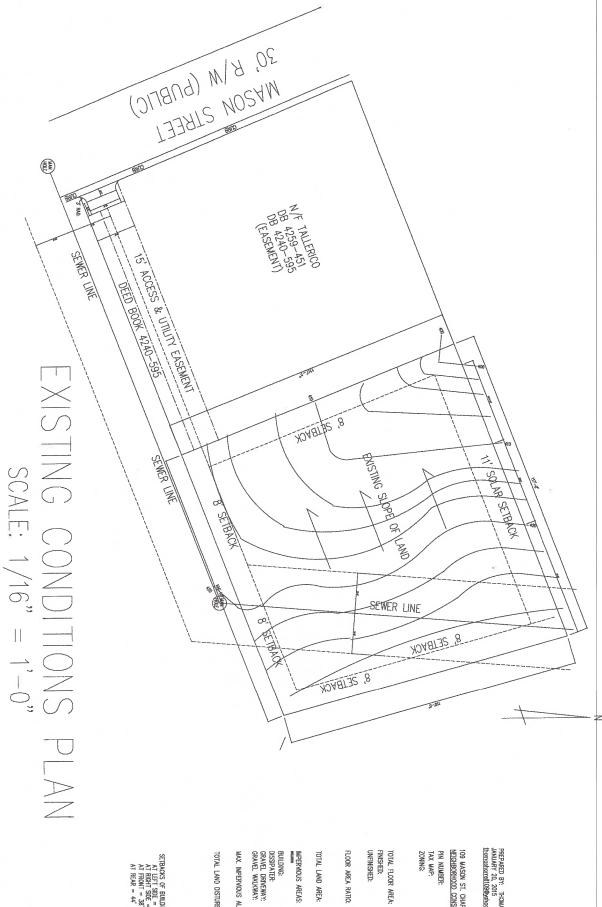


HOUTAN KARGAR 109 MASON ST. CHAPEL HILL, N.C.



Thomas E. Harrell 412 Penny St. Garner, North Carolina 27529 (919) 609-7251





PREPARED BY: THOMAS E. HARRELL JANUARY 20, 2015 thomasharrell109@yahoo.com

PIN NUMBER: TAX MAP: ZONING: 109 MASON ST. CHAPEL HILL, N.C. NEIGHBORHOOD CONSERVATION (CD-1) 9788-09-8006 7.94.B.228 R-3

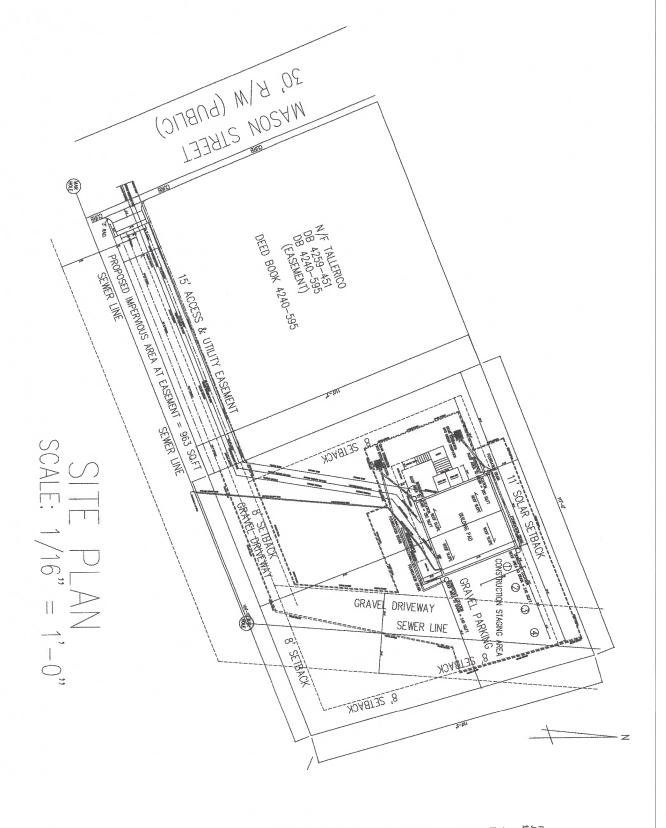
TOTAL FLOOR AREA: FINISHED: UNFINISHED: 1,800 SQ. FT. 1,745 SQ. FT. 55 SQ. FT.

FLOOR AREA RATIO:

IMPERVIOUS AREAS: TOTAL LAND AREA: 1,820 SQ.FT 18 SQ. FT. 2,768 SQ. FT. 187 SQ. FT. 12,197 SQ.FT 4,793 SQ.FT

MAX. IMPERVIOUS ALLOWED: 4,840 SQ. FT. TOTAL LAND DISTURB: 6,081 SQ FT.

SETBACKS OF BUILDING FROM PROPERTY LINES
AT LEFT SIDE = 12'
AT RIGHT SIDE = 68'
AT RROMT = 38'-8"
AT REAR = 44'



PREPARED BY: THOMAS E. HARRELL JANUARY 20, 2015
thomoshorcell109@yohoo.com

109 MASON ST. CHAPEL HILL, N.C.
NEIGHBORHOOD CONSTRAIND (CD-1).
PIN NUMBER: 9788-09-8006
TAX MAP: 7.94.8.228
ZOWING: R-3

TOTAL FLOOR AREA: 1,800 SQ. FT.
FINISHED: 1,745 SQ. FT.
UNFINISHED: 55 SQ. FT.

FLOOR AREA RATIO:

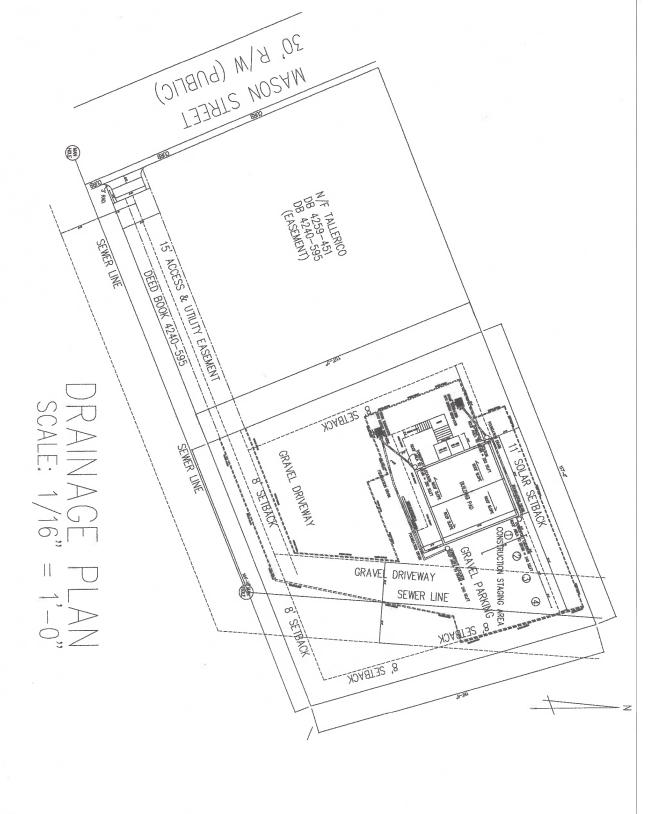
IMPERVIOUS AREAS: BUILDING: DISSIPATER: GRAVEL DRIVEWAY: GRAVEL WALKWAY: TOTAL LAND AREA: 1,820 SQ.FT 18 SQ. FT. 2,768 SQ. FT. 187 SQ. FT. 4,793 SQ.FT 12,197 SQ.FT

SETBACKS OF BUILDING FROM PROPERTY LINES
AT LEFT SIDE = 12'
AT RIGHT SIDE = 68'
AT RROMT = 38'-9"
AT REAR = 44'

TOTAL LAND DISTURB:

6,081 SQ. FT.

MAX. IMPERVIOUS ALLOWED: 4,840 SQ. FT.



PREPARED BY: THOMAS E. HARRELL JANUARY 20, 2015 thomasharrell1099/schoolcom

PIN NUMBER: TAX MAP: ZONING: 109 MASON ST. CHAPEL HILL, N.C. NEIGHBORHOOD CONSERVATION (CD-1) 9788-09-8006 7.94.B.228 R-3

TOTAL FLOOR AREA: 1,800 SQ. FT. FINISHED: 1,745 SQ. FT. UNIFINISHED: 55 SQ. FT.

FLOOR AREA RATIO:

IMPERVIOUS AREAS:

4,793 SQ.FT 12,197 SQ.FT

TOTAL LAND AREA:

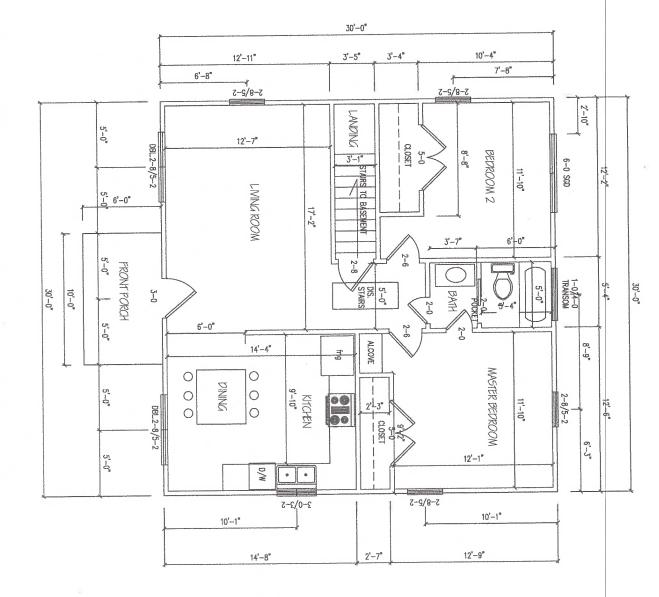
BUILDING: DISSIPATER: GRAVEL DRIVEWAY: GRAVEL WALKWAY: 1,820 SQ.FT 18 SQ. FT. 2,768 SQ. FT. 187 SQ. FT.

MAX. IMPERMOUS ALLOWED: 4,840 SQ. FT.

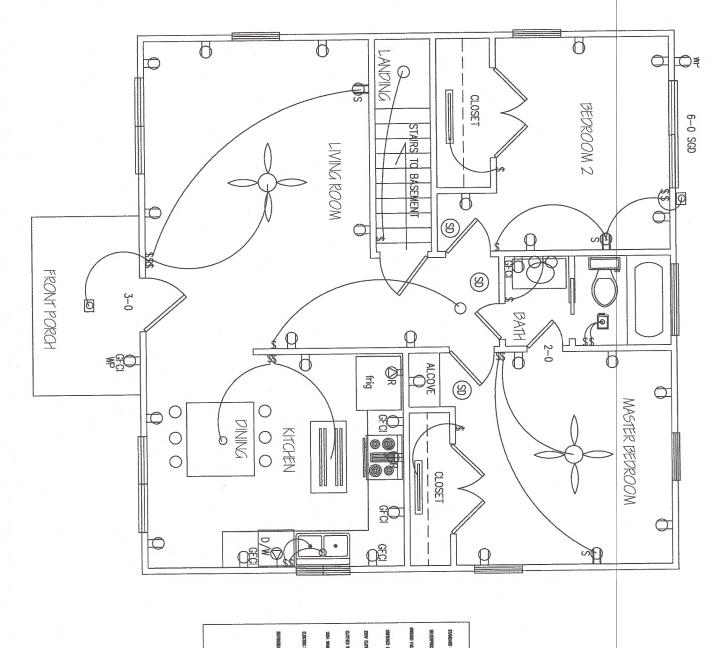
TOTAL LAND DISTURB:

6,081 SQ. FT.

SETBACKS OF BUILDING FROM PROPERTY LINES
AT LEFT SIDE = 12'
AT RIGHT SIDE = 68'
AT FROMT = 38'-9'
AT REAR = 44'



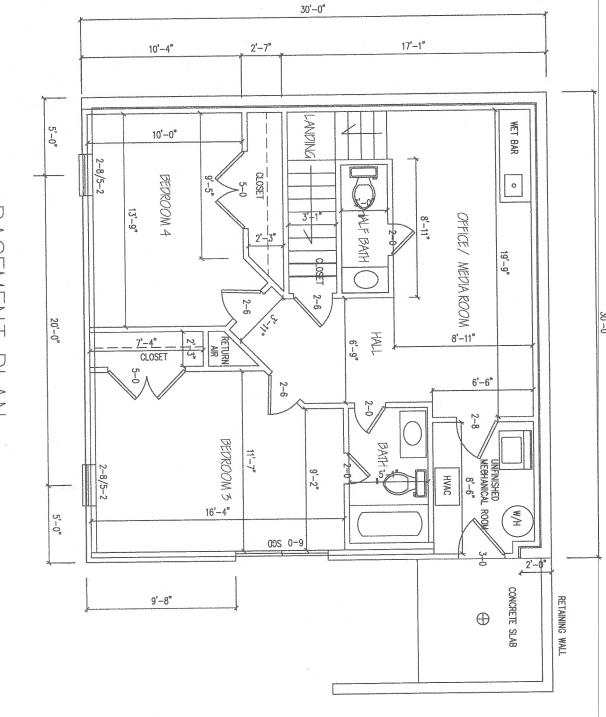
FIRST FLOOR PLAN SCALE: 1/4" = 1'-0"



CELNOTI SMITTED

SYMBOL KEY

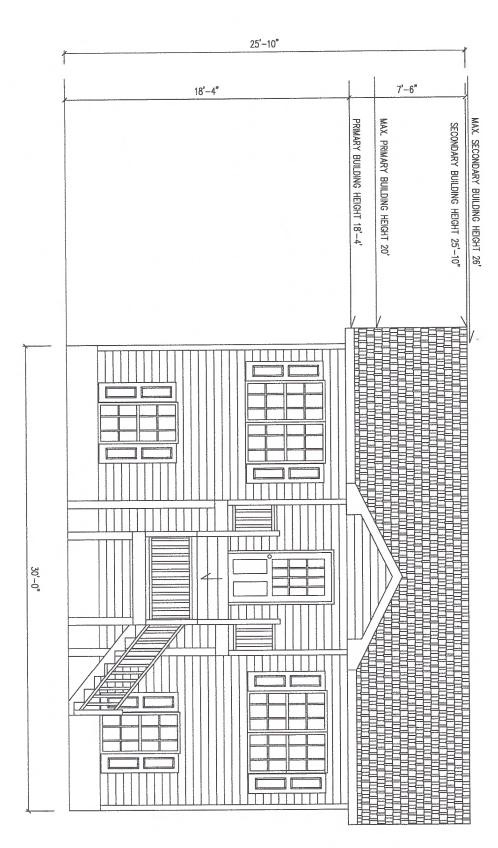
FIRST FLOOR ELECRICAL PLAN scale: 1/4" = 1'-0"



BASEMENT PLAN SCALE: 1/4" = 1'-0"

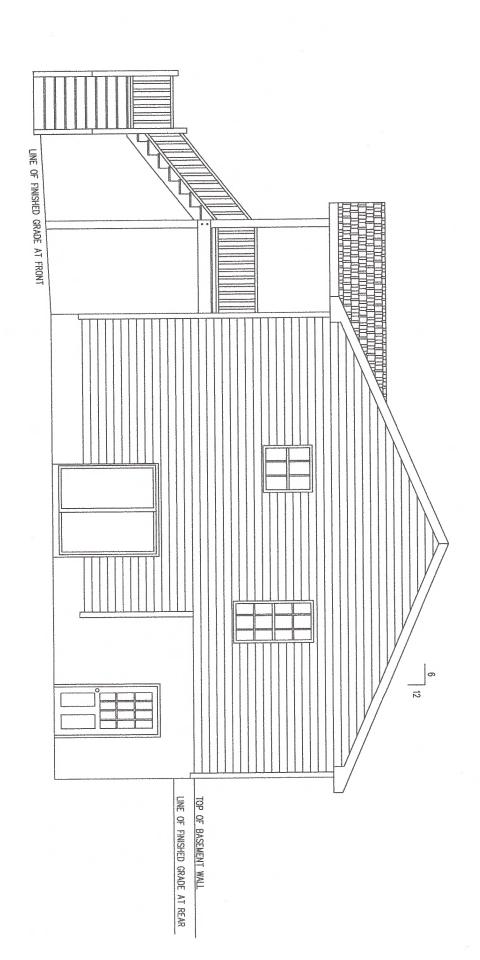
В 0 S LANDING WET BAR BASEMENT ELECTRICAL PLAN scale: 1/4" = 1'-0" CLOSET IALF BATH BEDROOM 4 OFFICE / MEDIA ROOM (8) <u>₹20</u> RETURN CLOSET (3) **₩** HVAC H/M BAT 0-9 CCD BASE SYMBOL KEY SLINET DINTED FOUNDS AVES -2 - AND SELECT SELECT LIBER ALBERT

RETAINING WALL

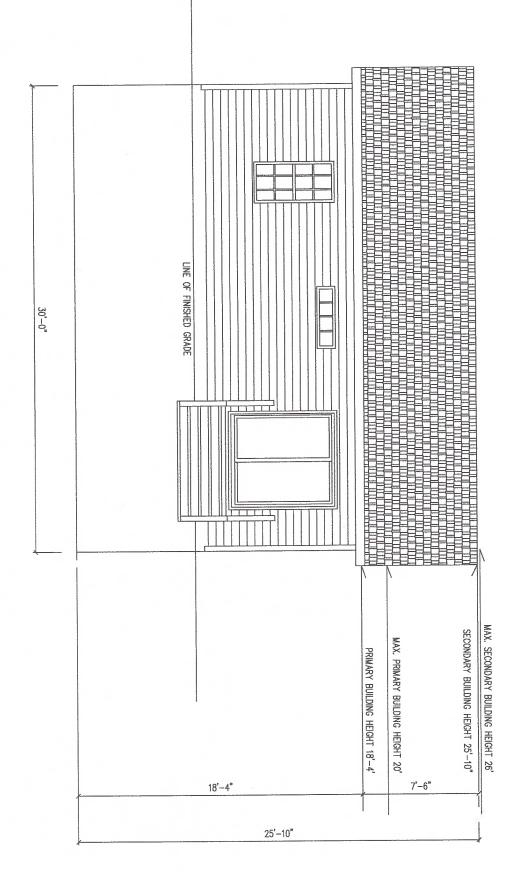


FRONT ELEVATION

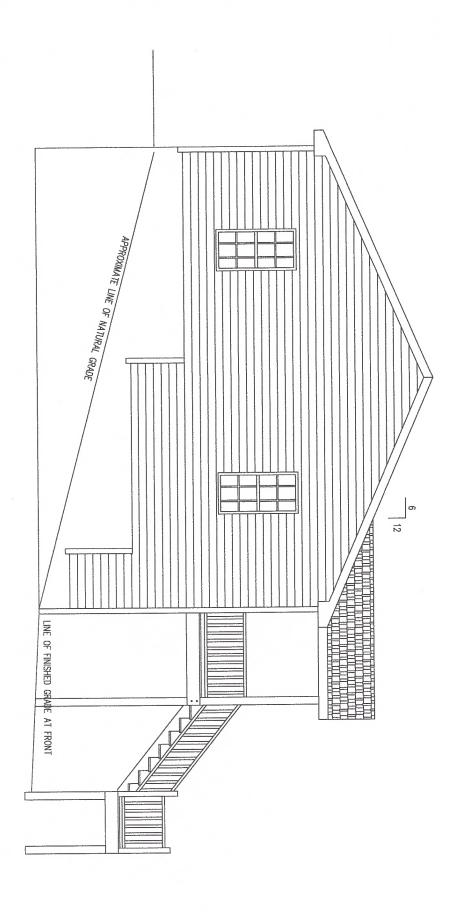
SCALE: 1/4" = 1'-0"



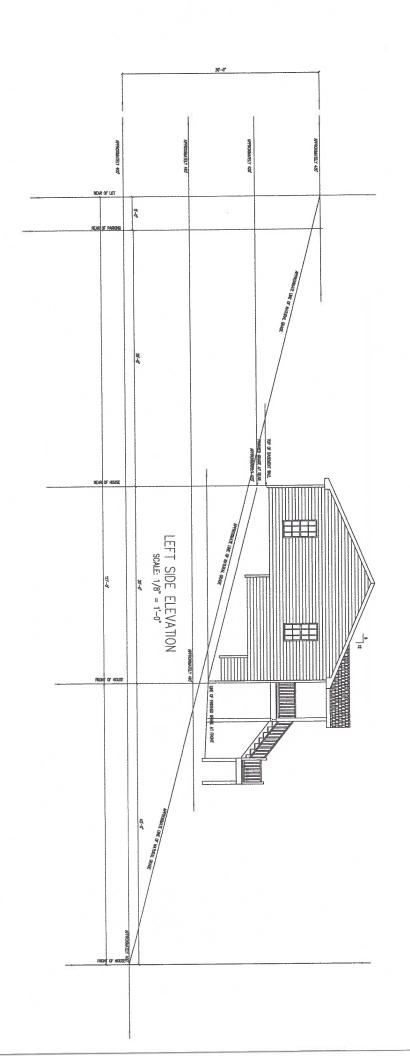
RIGHT SIDE ELEVATION scale: 1/4" = 1'-0"

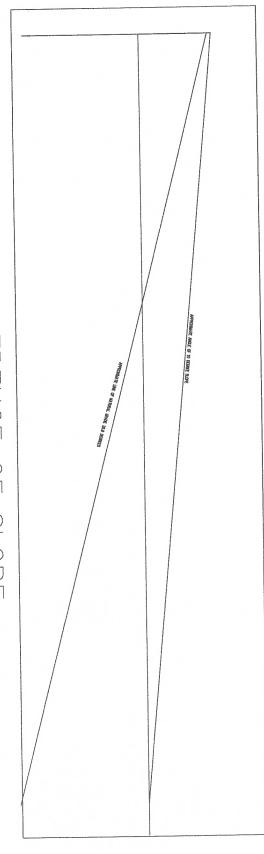


REAR ELEVATION SCALE: 1/4" = 1'-0"



LEFT SIDE ELEVATION scale: 1/4" = 1'-0"





DIFFERENCE OF SLOPE

9788088937 MCCAULEY ESTHER A 9788086793 PATMORE MARK R 9788087964 GHOBRIAL SHERIF S 9788085827 PERRY WILLIAM C 9788082799 TALLERICO ANTHONY 9788087756 PATMORE MARK R	9788099032 HABITAT FOR HUMANITY N C INC ORANG 1829 E FRANKLIN ST #1200B 9788086901 PANNELL MAXINE M 2601 BRIDGEWATER CENTER 9788098090 DEGRAFFENREID JAMES JR 328 MCMASTERS ST	9788097023 TALLERICO MICHAEL TALLERICO FRANCE: 187 LANTZ DR 9788192107 PETERSON ERIC WEST 9788096101 MASTIN HOLDINGS LLC 319 PROVIDEN	9788099028 DURANDO MICHAEL L 9788190036 EMPOWERMENT INC	9788192158 IOHNSON BRIAN W	9788096126 TAYLOR JEAN M 9788191382 PATMORE MARK R 9788192260 HIFSSIIIC	9788094412 TALLERICO ANTHONY F 9788190153 GRULICH VICTORIA MARY	9788098257 PATMORE MARK 9788099114 DURANDO MICHAEL L	9788098335 PATMORE MARK 9788192219 JOHNSON BRIAN W	9788190423 GEAR EDGAR HRS 9788194511 CHAPEL HILL HOUSING AUTHORITY	9788094147 CHAPEL HILL TOWN OF 9788097500 CHAPEL HILL TOWN OF	9788095433 J H H ASSOC LTD	9788093581 JACOBS HIAWATHA HRS 9788094564 JACOBS HIAWATHA H HRS	9788193231 MERCIA RESIDENTIAL PROPERTIES 9788193231 MERCIA RESIDENTIAL PROPERTIES
207 BARNES ST 101 CARVER ST 332B MCMASTERS ST 115 MARTHA LN 3094 MEADOWLANDS LN P O BOX 2371	IC 1829 E FRANKLIN ST #1200B 2601 BRIDGEWATER CENTER 328 MCMASTERS ST	E: 187 LANTZ DR 312 MCMASTERS ST 319 PROVIDENCE RD	326 MCMASTERS ST 109 N GRAHAM ST #200	314 MCMASTERS RD P O BOX 4302	433 MASON ST PO BOX 2371 13605 OLD CREEDMOOR RD	3094 MEADOWLANDS LN	101 CARVER ST 326 MCMASTERS ST	101 CARVER ST P O BOX 4302	202 CARVER ST 405 MARTIN LUTHER KING JR BLVD	405 MARTIN LUTHER KING JR BLVD	608 MARTIN LUTHER KING JR BLVD	2 JAY STC/O CECIL JACOBS 2 JAY STC/O CECIL JACOBS	PO BOX 2371 PO BOX 2371
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9788095041 JONES GLENDA D	9788191113 EMPOWERMENT INC	9788191113 EMPOWERMENT INC	9788195921 CHAPEL HILL TOWN OF	9788093258 BIEK AARON BENJAMIN P LAUREN E	9788093346 HODGES LARKY HODGES KIP	9778999279 TOWN OF CHAPEL HILL	9788094386 CHAPEL HILL TOWN OF	9788093385 VARANASI RAVIKANT V VARANASI SANGI 12 KILBERRY DR	9788095175 MASTIN HOLDINGS LLC	9788099084 COBLE BRIAN T COBLE JENNIFER S	9788181797 ORANGE COUNTY	9788092127 WOODEN STACEY L SCHREIBER DAVID B	9788093464 ALSTON KENNETH L ALSTON CYNTHEFER 471 HUDSON RD	9788099187 NOEL ANTHONY L	9788191304 MERCIA RESIDENTIAL PROPERTIES INC	9788192393 MERCIA RESIDENTIAL PROP INC	9788192428 JOHNSON BRIAN W	9788092300 UNKNOWN	9788099432 DAVIS LONNIE ETAL LASSITER ERNESTINE 101 QUEEN ST	9788098475 NICHOLSON GROVER C NICHOLSON SHEF 4609 LINDSAY DR	9788089444 CHAPEL HILL TOWN OF	9788088511 FOUSHEE JENNIE	9788086524 EDWARDS JOHN A	9788085665 CHAPEL HILL HOUSING AUTHORITY	9788083799 CHAPEL HILL TOWN OF	9788084621 EDWARDS TASHIA	9788087651 EDWARDS JOHN A
428 MASON ST	109 N GRAHAM ST #200	109 N GRAHAM ST #200	405 MARTIN LUTHER KING JR BLVD	505 ATHERTON ST	3412 E. SUNCREST CT	405 MARTIN LUTHER KING JR BLVD	405 MARTIN LUTHER KING JR BLVD	if 12 KILBERRY DR	319 PROVIDENCE RD	4303 E GREENSBORO CHAPEL HILL RD	PO BOX 8181	2012 GREENBERRY RD	471 HUDSON RD	322 MCMASTERS ST	P O BOX 2371	PO BOX 2371	P O BOX 4302	NUNN ST	101 QUEEN ST	F4609 LINDSAY DR	405 MARTIN LUTHER KING JR BLVD	1317 PARRISH RD	709 SPRING VALLEY RD	405 MARTIN LUTHER KING JR BLVD	405 MARTIN LUTHER KING JR BLVD	624 SYKES ST APT#C	709 SPRING VALLEY RD
Chapel Hill NC	CHAPEL HII NC	CHAPEL HILNC	CHAPEL HII NC	CHARLOTTINC	PHOENIX AZ	CHAPEL HII NC	CHAPEL HII NC	PINEHURST NC	CHAPEL HII NC		HILLSBORG NC	BALTIMORIMD	PITTSBORC NC	CHAPEL HII NC	CHAPEL HII NC	CHAPEL HII NC	CHAPEL HII NC	CHAPEL HII NC	Carrboro NC	RALEIGH NC	CHAPEL HII NC	CHAPEL HII NC	COLONIAL VA	CHAPEL HII NC	CHAPEL HII NC	CHAPEL HII NC	COLONIAL VA
27514	27516	27516	27514	28203	85044	27514	27514	28374	27514	27253	27278	21209	27312	27516	2.75E+08	27515	2.75E+08	27516	27510	2.76E+08	27514	2.75E+08	23834	27514	27514	27516	23834





O.A. GE WATER AND SEV. EK AUTHORITY

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

January 20, 2015

H & M Brothers, Inc. P.O. Box 692 Chapel Hill, NC 27514

Ref: 109 Mason Street, PIN # 9788-09-8006

Dear Sir,

We have received and reviewed a request from Houtan Kargar dated January 15, 2015 for the above referenced property. The request is to grant permission for the owner to place a gravel driveway and parking area on an existing 30' prescriptive sanitary sewer easement located on the property. After reviewing the request the following is offered:

Permission is granted to construct and maintain a gravel driveway and parking area as requested with the following conditions:

- Any grading on the easement shall be such that OWASA will have safe and unrestricted access.
- No encroachment of any other structures will be allowed into the easement.
- The easement and sanitary sewer line shall remain accessible to OWASA at all times.

Should you have any questions or would like clarification of any of these comments, please do not hesitate to call.

Sincerely,

Carlton Hawkins

Engineering Technician

cc: Todd Spencer, P.E. Nick Parker

ORANGE WATER AND SEWER AUTHORITY

CONDITIONAL STATEMENT OF SERVICE AVAILABILITY TO SPECIFIED PROPERTY

Type of Property: Single Family Residential
Street Address: 109 Mason Street
City: Chapel HIII PIN: 9788-09-8006
Legal Description (such as Tax Map, Block, Lot #): Lot N of Mc Masters St.
Anticipated Date (Month/Year) OWASA Service will be Required: 1/15
APPLICANT (Print Name): Houtan Kargar (APPLICANT'S contact information is provided the reverse side)
SERVICES TO BE PROVIDED: As information for a Building Permit request to a local government, the APPLICANT has requested, and the Orange Water and Sewer Authority (OWASA) hereby concurs, that subject to the conditions stated below, OWASA will provide the following services to the above-referenced property:
Public Water Service and/or Public Sewer Service
CONDITIONS OF OWASA CONCURRENCE: OWASA will not provide public water or sewer service to the APPLICANT'S above-referenced property until and unless:
 (a) The property to be served is located within OWASA's water and sewer service area at the time service connection is to be made; (b) All applicable water and/or sewer utility improvements required to serve the property have been completed in accord with OWASA's standard specifications, policies, rules and regulations related to service eligibility; (c) All applicable improvements specified in (b) above have been dedicated to and accepted by OWASA, including receipt and acceptance by OWASA of all final as-built documentation associated with the work; (d) All easements required for connection to water and/or sewer mains have been secured and recorded; (e) All applicable service availability charges, capacity fees, meter and tap fees, and other charges in effect at the time the actual service to the above-referenced property is connected to the OWASA system have been paid in full to OWASA; and (f) OWASA has no obligation to undertake or complete water and/or sewer utility improvements required under (b) above. It is expressly understood by all parties that OWASA is under no obligation to provide service to the lot hereby referenced until all requirements above have been met.
Fee schedules are prepared for the acceptance of fees only after the water and sewer utility improvements required to serve the property have been completed and said improvements have been accepted by OWASA. The availability fees in effect at the time of service initiation will apply. OWASA's continued service to the subject property is dependent on the customer's (1) payment to OWASA for the applicable charges for ongoing service, and (2) compliance with all OWASA rules, regulations and ordinances pertaining to the use and protection of OWASA's water supply system and wastewater system.
Signature of APPLICANT: Date:
Signature of APPLICANT: Approved by OWASA: Title: Carlton Hawkins Date: 12-17-14 Engineering Technician



ORANGE WATER AND SEWER AUTHORITY

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

12/17/14

Houtan Kargar 4003 Peachway Court Durham, NC 27705

Subject: Water Service Connection Variance Request – Lot north of McMasters Street and east of Mason Street (109 Mason Street) (PIN # 9788-09-7023)

Dear Mr. Kargar,

We are in receipt of your variance request of December 15, 2014 regarding the above referenced property. We have reviewed our sewer system maps and proximity of public water and sewer to the referenced property and offer the following:

Public water mains are not readily available to the lot in question. Our records indicate the closest water mains are located in Mason Street. OWASA policy requires that public water mains must be adjacent to and cross frontage (and within an easement or public right of way) of the property which it will serve.

Although public water mains are not currently accessible, it is evident that a public water extension to the lot in question would provide no benefit to any other than the subject property. Additionally, records indicate that immediately adjacent properties are all currently served by OWASA utility lines. Therefore, the variance for the subject property is hereby granted with the following conditions:

- You will need to obtain the appropriate legal right or authorization from the property owner(s) whose property would be crossed in order to connect. I am not aware of what rights the current 'utility easement' provides to you but would suggest you confer with your attorney. Again, OWASA would only install the water service from the main in Mason Street up to just inside the public right of way of the road and set the meter box at that point. You will need to mark the location of the 15' utility easement at the right of way of Mason Street and mark the spot you would like the water meter installed. Beyond this location, the water service line would be privately installed and maintained.
- For the portion of the private sewer service line within the prescriptive easement, the line will need to be constructed of ductile iron pipe and connected to the public sewer system in accordance with OWASA's standards and specifications. A ductile iron cleanout will need to be provided at the edge of the easement (15 ft. from the main). If a pump system

is required, the sewage would need to be pumped to the ductile iron cleanout and then flow by gravity the remainder of the distance to the sewer main.

- Following construction by your contractor/plumber, you would need to provide OWASA with an "as-built" drawing indicating the location of the sewer service connection to OWASA's public sewer main. Your contractor/plumber can help you with this.
- No structural encroachments or grading shall occur within the prescribed OWASA easement since OWASA is legally obligated be able to travel along the sewer alignment without restrictions.
- Please contact any jurisdictional authorities that regulate development of land for this tract before beginning any construction.
- As I mentioned and according to our General Counsel, OWASA presently has a prescriptive easement for the sanitary sewer line on this property. And while this allows OWASA the ability to travel its easement and make repairs if necessary, we advise property owners to properly document the existence of such sewer lines with a legally recorded deed of easement. For that reason, we ask that you consider granting OWASA a standard 30 foot sanitary sewer easement for the sewer line that crosses the subject property as shown on the Model Plot Plan you provided to properly document its existence. OWASA will also absorb costs necessary to perform survey and record the legal document once signed.

With respect to water and sewer connections, fees would be due in accordance with the *OWASA* Rates and Fees Schedule in effect at the time service is initiated.

Should you have and questions or would like clarification, please do not hesitate to call.

Sincerely,

Carlton Hawkins, PLS Engineering Technician

cc:

Todd Spencer, P.E. Joe Leo

File

,)

NORTH CAROLINA COLLCLAIM DEED	Z		HOUTAN KARGAR, 4003 Peachway Court, Durham, NG 27705-5399 ANAD KARGAR, Deed grepsterion only. Intrafamily Gid Transfer (Land)
JEIN CAROL	Excess Tax \$0.00 - NO TAXABLE CONSIDERATION	88-09-8006 DB	*
7	Exerse Tax \$0.00 - NO	Parcel Identifier No. 9788-09-8006 DO	Mail after recording to. This institutiont prepared by Brief description for the Index.

day of December, in the year 2014, by and between THIS QUITCLAIM DEED made this the

HOUTAN KARGAR 4003 Peachway Court Durham, NC 27705 GRANTEE JAVAD KARGAR 4003 Peachway Court Durham, NC 27705 GRANTOR

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine, or neuter as may be required by context

WITNESSETH, that said Grantor, for a voluable consideration paid by Grante, the receipt of which is bereby acknowledged has remested and released and forwer quickabin to Grantee and list their and sesigns all right title, claim, and interest of the said Granter in and to a certain trate on parcet of land lying and being, in the County of Orange, and State of North Carolina, in Chaptel Hill Township. and more particularly described as follows:

See Exhibit "A" attached hereto and incorporated herein by reference

Grantor acquired the property hereinabove described by instrument recorded in Book RB4264 at Page 128.

SUBJECT to all casements, rights-of-way, protective covenants and mineralful reservations of record, if any

TO HAVE AND TO HOLD the aforestid tract or parcel of land and all privileges thereunto belonging to him the said Grantee and his heirs, in fee striple, and assigns free and discharged from all right, fide, claim or interest of the said Granter or anyone claiming by, and through or under them.

Granter makes no warranty, express or implied, as to tule to the Property.

IN TESTIMONY WHEREOF, Grantor has duly executed the foregoing as of the day and year first above written,

(SEAL)

JAVAD KARGAR

STATE OF NORTH CAROLINA

COUNTY OF ORANGE

I, a Notary Public, of said State and County aforesaid, do hereby certify that Agood (1900) in dignative of the grantog(s) identity, by current state or federal identity of the Oranton(s), photograph in the form of a Notarian of the dignative o

in the year 2014 Witness my hand and official scal or stamp, this L day of December

My Commission Expires Aug 28, 2019 NICHOLAS R PRIBAC **Durham County** North Carolina Notary Public

Aug. 28, 2019 Notary Printed or Typed Name My continuession expires Vicholas

Page 1 of 1

24

20070420009136110 EASE BK: RB444P Pa 1595 63/29/2007 82:41:20PR 1/3

FILED Joyde H. Pearson Register of Deeds Orange COUNTY, NC BY:

Deputy Hanca K. Nillar

Prepared by/return to: Joseph W. Marion - P.O. Box 51009, Durham, NC 27717 - (919) 493-8421

NORTH CAROLINA

ORANGE COUNTY

6788-09-8004

9788.09.7023

This Declaration of Easement, made this 2014 day of March, 2007, by Barndoor Properties, Inc. (hereinafter "Grantor").

WITNESSETH

THAT WHEREAS, said Grantor is the owner of a certain lot of land with a postal address of 103 Mason Street, Chapel Hill, North Carolina (PIN NO 9788-09-7023, T.M. 7.94.B.22A), said lot being more particularly described in a Deed recorded in Book 939, Page 404, Orange County Registry (said lot hereinafter referred to as the "Street Lot"); and

WHEREAS, Grantor is also the owner of an adjoining lot of land lying to the east of the Street Lot, said tract of land being more particularly described in Book 3807, Page 481, Orange County Registry (said lot hereinafter referred to as the "Remote Lot"); and

20070320000100110 EASE Bk:RB4240 Pg:596 23/20/2007 02:41:29PM 2/3

WHEREAS, Grantor is hereby declaring a permanent non-exclusive easement over the Street Lot which easement is fifteen (15) feet in width and runs105.00 feet from Mason Street to the Remote Lot along the southern boundary of the Street Lot (the "Easement Area") for the purpose of providing access from Mason Street to the Remote Lot, and for the purpose of constructing, maintaining, using, and repairing underground utility lines serving the Remote Lot.

NOW, THEREFORE, the Grantor does declare as follows:

- 1. Grant of Sewer Easement. Subject to the terms and conditions of this Agreement, Grantor does hereby declare that the Street Lot is burdened by and subject to a permanent non-exclusive easement over, under, upon, through and across the Easement Area for the purpose of providing a right of ingress, egress, and regress to the owner of the Remote Lot from Mason Street to the Remote Lot, and for the purposes of constructing, maintaining, using, and repairing underground utility lines serving the Remote Lot.
- 2. Easement Area. A metes and bounds description of the Easement Area is as follows:

 BEGINNING at the southwestern corner of the Street Lot (being the common corner with Sherif S. Ghobrial (Book 3205, Page 128) and running with Mason Street North 27° 31' 05" West 15 feet to a point; thence North 63° 08' 20" East 105.00 feet to a point in the common boundary of the Street Lot and the Remote Lot, thence South 27° 31' 05" East 15 feet to the common line with Ghobrial; thence along the common line with Ghobrial South 63° 08' 20" West 105.00 feet to the point and place of beginning.
- 3. Nature of Easement. This Easement shall run with the land and shall be appurtenant to the Remote Lot (now owned by Grantor), and shall bind and inure to the benefit of Grantor and its successors, assigns and grantees.

20070320000100110 EASE Bk:RB4240 Pg:597 03/20/2007 02:41(29PM 3/2

IN WITNESS WHEREOF, the Grantor has executed this Agreement on the day and year first above written.

BARNDOOR PROPERTIES, INC.

Sign: / Musy / ala, pre,
Print: Barney Dale, President

STATE OF NORTH CAROLINA - COUNTY OF DURHAM

I, Josephan, a Notary Public for County, State of North Carolina, do hereby certify that Barney Dale, personally came before me this day and acknowledged that he is the President of Barndoor Properties, Inc., a North Carolina corporation, and that by authority duly given and as the act of such entity, he signed the foregoing instrument in its name on its behalf as its act and deed.

Witness my hand and official stamp or seal, this 20 day of Month, 2007.

PUBLIC SUMMERS

Sign: Man Man

Print: (1554ph W. Marin - Notary Public

My Commission Expires: 11-20-08



February 15, 2007

Barney Dale P.O. Box 10041 Chapel Hill, NC 27515 ENGINEERING DEPARTMENT STORMWATER MANAGEMENT

> 405 Martin Luther King, Jr. Blvd. Chapel Hill, NC 27514-5705 Telephone (919) 969-7246 Fax (919) 969-7276 www.townofchapelhill.org

RE:

Stream determination PIN: 9788-09-8006 TMBL: 7.94.B.22A

Dear Mr. Dale,

As requested, the Town Engineering Department has performed a stream determination on the property identified below. This determination provides important information regarding different types of streams (perennial, intermittent, and/or ephemeral) and whether or not any such streams are present on or adjacent to the property in question. Based on this stream determination, and characteristics such as elevation and location, this property may include a Resource Conservation District (RCD) area. Specific land use regulations and restrictions apply within the boundary of the RCD.

We performed a site inspection of this property, Tax Map # 7.94.B.22A, PIN # 9788-09-8006, on the east side of Mason Street on February 9, 2007. We determined that the property does contain an ephemeral stream, starting close to the northwest corner of the property. We have not identified any other streams on adjacent properties that may affect the location of the Resource Conservation District boundary on your property. Comments and findings regarding our site inspection can be found on the attached stream determination form and map.

NOTE: THIS IS A STREAM DETERMINATION ONLY. It is intended to assist the requestor in identifying whether or not the property in question includes a Resource Conservation District and, if so, where it is located, depending on which ordinance(s) are applicable.

Please provide a copy of this information to a registered Land Surveyor for use in the preparation of your parcel plan or plat, which must be submitted with the permit application documents for review and approval by the Town. It is the responsibility of the Surveyor to review the stream determination information in association with information available in Article 3.6.3 of the Land Use Management Ordinance (LUMO) to identify the applicable RCD criteria. The Surveyor must certify whether or not a Resource Conservation District exists on the property in question and, if so, where the RCD boundary is located. The following language must be provided verbatim on the application plan or plat and must be certified by a registered Land Surveyor. No additional or alternative wording or caveats are acceptable.

1. "This parcel is not located within the Resource Conservation District as defined in the Chapel Hill Development Ordinance/Land Use Management Ordinance."

02

<u>Qr</u>

2. "All or a portion of this parcel is located within the Resource Conservation District as defined in the Chapel Hill Development Ordinance/Land Use Management Ordinance and as shown hereon."

If you have questions regarding stream determinations, please contact me at (919) 969-7202. If you have questions regarding the Town's Land Use Management Ordinance or Resource Conservation Districts, please contact the Planning Department at (919) 968-2728, or view a copy online at http://www.townofchapelhill.org/index.asp?NID=149.

Regards,

Patricia D'Arconte

Stormwater Engineering Technician

cc: Planning Department

NC Division of Water Quality - Methodology for Identification of Intermittent

Perennial Streams and Their Origins v. 4.11

DWQ Stream Identification Form Various 4.11

2013 Update

provided by:

4 Image h. N. ovg

(419) 949 - 2042

NC DWQ Stream Identification Form	Version 4.11	7.94. B.9 , 7.9	14.15.24, 9	. 94. 6. 24				
Date: 2/17/13	Project/Site:	new Gran	Latitude:					
Evaluator: Almind	County:	0	Longitude:	Longitude:				
Total Points: Stream is at least intermittent if ≥ 19 or perenniel if ≥ 30*	Stream Determination (circle one) Cher Chemeral Intermittent Perennial o.g. Quad Name:							
A. Geomorphology (Subtotal =)	Absent	Weak	Moderate	Strong				
1ª Continuity of channel bed and bank	O O	1	Moderate	3				
2. Sinuosity of channel along thalweg	0	9	2	3				
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	å	1 :	2	3				
4. Particle size of stream substrate	″ଭୁ	~1	2	3				
5. Active/relict floodplain	0)	1	2	3				
6. Depositional bars or benches		i	2	3				
7. Recent alluvial deposits	8	1	2	3				
8. Headcuts	0	1	2)	3				
9. Grade control	0	0.5	1	1.5				
10. Natural valley	0	0.5	1	1.5)				
11. Second or greater order channel		0 = 0	Yes	·				
artificial ditches are not rated; see discussions in manual	()	100					
B. Hydrology (Subtotal =)								
12. Presence of Baseflow	(b)	1	2	3				
13. Iron oxidizing bacteria		1	2	3				
14. Leaf litter	(0) 1.5	h	0.5	0				
15. Sediment on plants or debris	(6)	0.5	<u> </u>	1.5				
16. Organic debris lines or piles	0	0.5	(17	1.5				
17. Soil-based evidence of high water table?		0=0	Yes					
C. Biology (Subtotal =)			103	- 3				
18. Fibrous roots in streambed	3	2	4	(6)				
19. Rooted upland plants in streambed	3	2	- (1) -	0				
20. Macrobenthos (note diversity and abundance)	(6)	1	2	3				
21. Aquatic Mollusks		1	2	3				
22. Fish	6	0.5	1	1,5				
23. Crayfish	(6)	0.5	1	1.5				
24. Amphibians	40	0.5	1	1.5				
25. Algae	(0)	0.5	1	1.5				
26. Wetland plants in streambed			3L = 1.5 Other = 1					
*perennial streams may also be identified using other method	is See n 35 of manus	17.011 - 0.70, 0	3L = 1.0 Olivi = 1	') 				
Notes:	io. occ p. do or mende	11-						
Sketch:								

* Dic Will sout?

worm sep



ORANGE COUNTY | NORTH CAROLINA

Search PIN 978809800	06
PIN	Document
Parent	
□ Selected	
9788098006	
Children	

PIN Inquiry		Interest Owne	rs Interes	t Owner Sear	rch Prior	Owners
Seq A	Account Number	Current Owner	Date Recorded	Book/Page	Legal Reference	Stamp Value
1	298429	1- JAVAD KARGAR	12/12/2014	5881/255		\$0.00
2	284316	1- INC BARNDOOR PROPERTIES	4/23/2007	4264/128		\$20.00
3	106698	1- MYRTLE D ETAL DAWSON 2- SHEILA ANN STURDIVANT	7/15/2005	3807/481		\$20.00
4	19652	1- E W DAWSON	1/28/1986		86-E-045	\$0.00
5			11/14/1957	164/471		\$0.00

PIN	PIN Status	Township	Current Owner	Legal Description	Date Recorded	Book/Page	Sub Code
TIN	[V]	V	- Andrews		V		V
0800041646	Active	CHAPEL HILL	BRINKLEY ALBERT W SR BRINKLEY BETSY R	2 A B MORRIS P54/4DC	7/27/1995	370/131DC	0
0800041805	Active	CHAPEL HILL	BRINKLEY ALBERT W SR BRINKLEY BETSY R	3 A B MORRIS P54/4DC	7/27/1995	370/131DC	0
0800050553	Active	CHAPEL HILL	MCFARLAND WILLIAM A MCFARLAND DAWN M	TR 1 A B MORRIS DUR CO P73/50	10/18/2006	4144/114	0
0800062560	Active	CHAPEL HILL	BROWN JUSTIN L ETAL HILL FRANCES	P/O 10 GEORGE W BROWN ESTATE	10/22/2014	14-E-555	0
0800085035	Active	CHAPEL HILL	ORANGE COUNTY	3 HOPE CREEK P97/15	3/11/2005	3693/318	0
0800092043	Inactive	CHAPEL HILL	MORTGAGE & REALTY ASSOC	S/O CAMBRIDGE RD	2/13/1980	332/403	0
0800092259	Active	CHAPEL HILL	ORANGE COUNTY	2 TRINITY SCHOOL P101/61	1/4/2007	4195/51	0
0800094200	Inactive	CHAPEL HILL	MORTGAGE & REALTY ASSOC	E/S SR 1734 P80/118	4/28/1998	258/1145	0
0800094380	Inactive	CHAPEL HILL	MORTGAGE & REALTY ASSOC	E/O SR 1734 AKA #1 MTGE & REALTY ASSOC	12/31/1998	258/1145	0
0800094824	Inactive	CHAPEL HILL	TRINITY SCHOOL OF DURHAM & CHAPEL HILL INC	P/O 1 TRINITY SCHOOL P101/61	1/4/2007	4195/42	0

228 South Churton St., PO Box 8181, Hillsborough, NC 27278 (919) 245-2100

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