SITE PLAN REVIEW APPLICATION



TOWN OF CHAPEL HILL Planning Department

405 Martin Luther King Jr. Blvd. phone (919) 969-5066 fax (919 969-2014 www.townofchapelhill.org

Parcel Identifier Number (PIN): 9871 80 0325	Date: 4 23 19
Section A: Project Information	
Project Name: Property Address: Use Groups (A, B, and/or C): Project Description: Five Gration Training Factorian States of States and States of States and States of States of States and States of State	zip Code: 215/6 g District: MV-R-
Section B: Applicant, Owner, and/or Contract Purchaser Info	rmation
Applicant Information (to whom correspondence will be mailed Name: Town of Mapel Hill / Mathew G	ed): bullivan Five Mief
Address: 409 Martin Wther King or Blvd	THE PUICE
City: MAPEL HILL State: N	C Zip Code: 21514
Phone: 919968 2814 Email: M6V	Ilivan@townof chapethill.org
	cheir knowledge and belief, all information Fix Chit Date: 4-30-19
Owner/Contract Purchaser Information:	
Owner Contract	Purchaser
Name: Town of Chapel Hill Address: 405 Martin Wher king IV Blvd	
Phone: 9/9 9/8 28/4 Email: MASY	
The undersigned applicant herby certifies that, to the best of t supplied with this application is true and accurate. Signature: Mathle J. Sollow, J.	

Click \underline{here} for application submittal instructions.



PROJECT FACT SHEET

TOWN OF CHAPEL HILL Planning Department

Section A: Project Information						
Use Type: (check/list all that apply)						
Office/Institutional Residential	Mixed-Use	Other:				
Overlay District: (check all that apply)						
	d Conservation Distri	ct Airport Hazar	d Zono			
- Tristoric District - Neighborhoo	d conservation distri	ct Airport Hazar	u zone			
Section B: Land Area						
Net Land Area (NLA): Area within zoning bounds	aries			NLA= 4	39 202	sq. ft.
I hoose one or noth of the I	Area (total adjacent	frontage) x ½ width of p	ublic	CSA=	121/100	sq. ft.
following (a or b), not to	anent Open Space (to	tal adjacent frontage) x	½ public			
or dedicated oper	space		W() (0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COS=		sq. ft.
TOTAL: NLA + CSA and/or COS = Gross Land Area	(not to exceed NLA	+ 10%)		GLA= 4	83,233	sq. ft.
					T WAR THE STATE OF	
Section C: Special Protection Areas, Land	l Disturbance, and	d Impervious Area				
Special Protection Areas: (check all those th						
☐ Jordan Buffer ☐ Resource Conservat	tion District 100	Year Floodplain	Watershe	d Protectio	n District	
Land Disturbance		,			Total (s	sq. ft.)
Area of Land Disturbance	355	× × × × × × × × × × × × × × × × × × ×				2.1
(Includes: Footprint of proposed activity plus work as grading, including off-site clearing)	rea envelope, staging ar	rea for materials, access/ed	quipment p	aths, and al	' 28,8	81
Area of Land Disturbance within RCD						
Area of Land Disturbance within Jordan Buffer						
Impervious Areas	Existing (sq. ft.)	Demolition (sq. ft.)	Propos	ed (sq. ft.)	Total (sq. ft.)
Impervious Surface Area (ISA)	0	D	19,8	317	19,8	11
Impervious Surface Ratio: Percent Impervious Surface Area of Gross Land Area (ISA/GLA)%	65				41	%
If located in Watershed Protection District, %					1.1	13
of impervious surface on 7/1/1993					1	

ONN OF

PROJECT FACT SHEET

TOWN OF CHAPEL HILL Planning Department

Section D: Dimensions

Dimensional Unit (sq. ft.)	Existing (sq. ft.)	Demolition (sq. ft.)	Proposed (sq. ft.)	Total (sq. ft.)
Number of Buildings	0			
Number of Floors	0			
Recreational Space	О			

	Resident	ial Space		
Dimensional Unit (sq. ft.)	Existing (sq. ft.)	Demolition (sq. ft.)	Proposed (sq. ft.)	Total (sq. ft.)
Floor Area (all floors – heated and unheated)				
Total Square Footage of All Units		-		
Total Square Footage of Affordable Units				
Total Residential Density				
Number of Dwelling Units				
Number of Affordable Dwelling Units				
Number of Single Bedroom Units				
Number of Two Bedroom Units				
Number of Three Bedroom Units				

Non-Residential Space (Gross Floor Area in Square Feet)						
Use Type	Existing	Proposed	Uses	Existing	Proposed	
Commercial						
Restaurant			# of Seats			
Government						
Institutional	0	2,160 sf				
Medical						
Office						
Hotel			# of Rooms			
Industrial						
Place of Worship			# of Seats			
Other						

Dimensional Requirements		Required by Ordinance	Existing	Proposed
	Street	24		>24
Setbacks (minimum)	Interior (neighboring property lines)	8		>8
(IIIIIIIIIIIII)	Solar (northern property line)	11		7
Height	Primary	29		NIA
(maximum)	Secondary	60		4719"
Streets	Frontages	40		740
Streets	Widths	50		750



PROJECT FACT SHEET

TOWN OF CHAPEL HILL Planning Department

Section D: Dimensions						
(Note: For approval of proposed stre	et names, contact the	Engineerina Dep	partment)			
Street Name	Right-of-Way Width	Pavement Width	Number o	f Existing Sidewalk*	Existing Curb/Gutte	
Millhouse Road	60'		2	☐ Yes	∑ Yes	
9				Yes	Yes	
List Proposed Points of Access (Ex. Numl	per, Street Name):					
*If existing sidewalks do not exist an			ease provide th	ne following inform	ation:	
	Sidewa	lk Information				
Street Names	Di	mensions	Surface	e Hand	icapped Ramps	
				Yes	□ No □ N/A	
				Yes	□ No □ N/A	
Section G: Parking Information						
see Narrative,		AND THE RESERVE OF THE PERSON				
Parking Spaces	Minimum	Ma	aximum	P	Proposed	
Regular Spaces						
Handicap Spaces						
Total Spaces						
Loading Spaces						
Bicycle Spaces						
Surface Type						
ection H: Landscape Buffers						
Location (North, South, Street, Etc.)	Minimum Wid	dth Propose	ed Width	Alternate Buffer	Modify Buffer	
N, E, S	(0'	10) 1	Yes	Yes	
W	15'	19	2	Yes	Yes	
Y 0				Yes	Yes	
•						



PROJECT FACT SHEET

TOWN OF CHAPEL HILL Planning Department

Section I: Land Use Intensity

Existing Zoning District: MU-1/2-\
Proposed Zoning Change (if any): 0\-\

Note: Refer to Table 3.8-1 (Dimensional Matrix) in the Land Use Management Ordinance for help completing this table.

Zoning – Area – Ratio		Impervious Surface Thresholds			Minimum and Maximum Limitations		
Zoning District(s)	Floor Area Ratio (FAR)	Recreation Space Ratio (RSR)	Low Density Residential (0.24)	High Density Residential (0.50)	Non- Residential (0.70)	Maximum Floor Area (MFA) = FAR x GLA	Minimum Recreation Space (MSR = RSR x GLA)
MU-B-1	.076						
01-1	.264		75		89,301	121,913	
	,						
TOTAL	,		9				
RCD Streamside		0.01					
RCD Managed		0.019					
RCD Upland							

Section J: Utility Service

Check all that apply:			E.	
Water	⊠ owasa	☐ Individual Well	Community Well	Other
Sewer	OWASA	☐ Individual Septic Tank	Community Package Plant	Other
Electrical	Underground	Above Ground		8
Telephone	Underground	Above Ground		Al.
Solid Waste	Town	☐ Private		



TOWN OF CHAPEL HILL Planning Department

The following must accompany your application. Failure to do so will result in your application being considered incomplete. For assistance with this application, please contact the Chapel Hill Planning Department (Planning) at (919) 969-5066 or at please contact the Chapel Hill Planning Department (Planning) at (919) 969-5066 or at please refer to the Description of Detailed Information handout.

NIA	Application Fee (including Engineering Review Fee) – refer to fee schedule Amount Paid \$				
/	Pre-application meeting –with appropriate staff				
/	Digital Files – provide digital files of all plans and documents				
~	Recorded Plat or Deed of Property				
	Project Fact Sheet				
MIA	Traffic Impact Statement – completed by Town's consultant (or exemption)				
	Mailing list of owners of property within 1,000 feet perimeter of subject property (see GIS notification tool)				
NIA	Mailing fee for above mailing list (mailing fee is double due to 2 mailings) Amount Paid \$				
/	Written Narrative describing the proposal				
	Resource Conservation District, Floodplain, & Jordan Buffers Determination – necessary for all submittals				
414	Jurisdictional Wetland Determination (if applicable)				
AIH	Resource Conservation District Encroachment Exemption or Variance (determined by Planning)				
N/A	Jordan Buffer Authorization Certificate or Mitigation Plan Approval (determined by Planning)				
/	Reduced Site Plan Set (reduced to 8.5" x 11")				
	neduced site riali set freduced to 6.5 - A II f				

Stormwater Impact Statement (1 copy to be submitted)

- a) Written narrative describing existing & proposed conditions, anticipated stormwater impacts and management structures, and strategies to mitigate impacts
- b) Description of land uses and area (in square footage)
- c) Existing and proposed impervious surface area in square feet for all subareas and project area
- d) Ground cover and uses information
- e) Soil information (classification, infiltration rates, depth to groundwater and bedrock)
- f) Time of concentration calculations and assumptions
- g) Topography (2-foot contours)
- h) Pertinent on-site and off-site drainage conditions
- i) Upstream and/or downstream volumes
- j) Discharges and velocities
- k) Backwater elevations and effects on existing drainage conveyance facilities
- I) Location of jurisdictional wetlands and regulatory FEMA Special Flood Hazard Areas
- m) Water quality volume calculations
- n) Drainage areas and sub-areas delineated
- o) Peak discharge calculations and rates (1, 2, and 25-year storms)
- p) Hydrographs for pre- and post-development without mitigation, post-development with mitigation
- q) Volume calculations and documentation of retention for 2-year storm
- r) 85% TSS removal for post-development stormwater run-off



TOWN OF CHAPEL HILL Planning Department

- s) Nutrient loading calculations
- t) BMP sizing calculations
- u) Pipe sizing calculations and schedule (include HGL & EGL calculations and profiles)

Plan Sets (10 copies to be submitted no larger than 24" x 36")

Plans should be legible and clearly drawn. All plan set sheets should include the following:

- Project Name
- Legend
- Labels
- North Arrow (North oriented toward top of page)
- · Property boundaries with bearing and distances
- · Scale (Engineering), denoted graphically and numerically
- Setbacks
- Streams, RCD Boundary, Jordan Riparian Buffer Boundary, Floodplain, and Wetlands Boundary, where applicable
- Revision dates and professional seals and signatures, as applicable

Area Map

- a) Project name, applicant, contact information, PIN, & legend
- b) Dedicate open space, parks, greenways
- c) Overlay Districts, if applicable
- d) Property lines, zoning district boundaries, land uses, project names of site and surrounding properties, significant buildings, & corporate limit lines
- e) Existing roads (public & private), rights-of-way, sidewalks, driveways, vehicular parking areas, bicycle parking, handicapped parking, street names
- f) 1,000' notification boundary

Existing Conditions Plan

- a) Slopes, soils, environmental constraints, existing vegetation, and any existing land use features
- b) Location of all existing structures and uses
- c) Existing property line and right-of-way lines
- d) Existing utilities & easements including location & sizes of water, sewer, electrical, & drainage lines
- e) Nearest fire hydrants
- f) Nearest bus shelters and transit facilities
- g) Existing topography at minimum 2-foot intervals and finished grade
- h) Natural drainage features & water bodies, floodways, floodplain, RCD, Jordan Buffers, & Watershed boundaries



TOWN OF CHAPEL HILL

Planning Department

Detailed Site Plan

- a) Existing and proposed building locations
- b) Description & analysis of adjacent land uses, roads, topography, soils, drainage patterns, environmental constraints, features, existing vegetation, vistas (on & off-site)
- c) Location, arrangement, & dimension of vehicular parking, width of aisles and bays, angle of parking, number of spaces, handicapped parking, bicycle parking. Typical pavement sections and surface type.
- d) Location of existing and proposed fire hydrants
- e) Location and dimension of all vehicle entrances, exits, and drives
- f) Dimensioned street cross-sections and rights-of-way widths
- g) Pavement and curb & gutter construction details
- h) Dimensioned sidewalk and tree lawn cross-sections
- i) Proposed transit improvements including bus pull-off and/or bus shelter
- j) Required landscape buffers (or proposed alternate/modified buffers)
- k) Required recreation area/space (including written statement of recreation plans)
- I) Refuse collection facilities (existing and proposed) or shared dumpster agreement
- m) Construction parking, staging, storage area, and construction trailer location
- n) Sight distance triangles at intersections
- o) Proposed location of street lights and underground utility lines and/or conduit lines to be installed
- p) Easements
- q) Clearing and construction limits
- r) Traffic Calming Plan detailed construction designs of devices proposed & associated sign & marking plan

Detailed Site Plan

- a) Topography (2-foot contours)
- b) Existing drainage conditions
- c) RCD and Jordan Riparian Buffer delineation and boundary (perennial & intermittent streams, note ephemeral streams on site)
- d) Proposed drainage and stormwater conditions
- e) Drainage conveyance system (piping)
- f) Roof drains
- g) Easements
- h) BMP plans, dimensions, details, and cross-sections
- i) Planting and stabilization plans and specifications

Detailed Site Plan

- a) Rare, specimen, and significant tree survey within 50 feet of construction area
- b) Rare and specimen tree critical root zones
- c) Rare and specimen trees proposed to be removed
- d) Certified arborist tree evaluation, if applicable
- e) Significant tree stand survey
- f) Clearing limit line
- g) Proposed tree protection/silt fence location
- h) Pre-construction/demolition conference note
- i) Landscape protection supervisor note
- j) Existing and proposed tree canopy calculations, if applicable



TOWN OF CHAPEL HILL Planning Department

Planting Plan

- a) Dimensioned and labeled perimeter buffers
- b) Off-site buffer easement, if applicable
- c) Landscape buffer and parking lot planting plan (including planting strip between parking and building, entryway planting, and 35% shading requirement

Steep Slope Plan

- a) Classify and quantify slopes 0-10%, 10-15%, 15-25%, and 25% and greater
- b) Show and quantify areas of disturbance in each slope category
- c) Provide/show specialized site design and construction techniques

Grading and Erosion Control Plan

- a) Topography (2-foot contours)
- b) Limits of disturbance
- c) Pertinent off-site drainage features
- d) Existing and proposed impervious surface tallies

Streetscape Plan, if applicable

- a) Public right-of-way existing conditions plan
- b) Streetscape demolition plan
- c) Streetscape proposed improvement plan
- d) Streetscape proposed utility plan and details
- e) Streetscape proposed pavement/sidewalk details
- f) Streetscape proposed furnishing details
- g) Streetscape proposed lighting details

Solid Waste Plan

- a) Preliminary Solid Waste Management Plan
- b) Existing and proposed dumpster pads
- c) Proposed dumpster pad layout design
- d) Proposed heavy duty pavement locations and pavement construction detail
- e) Preliminary Shared dumpster agreement, if applicable



TOWN OF CHAPEL HILL Planning Department

Construction Management Plan

- a) Construction trailer location
- b) Location of construction personnel parking and construction equipment parking
- c) Location and size of staging and materials storage area
- d) Description of emergency vehicle access to and around project site during construction
- e) Delivery truck routes shown or noted on plan sheets

Energy Management Plan

- a) Description of how project will be 20% more energy efficient than ASHRAE standards
- b) Description of utilization of sustainable forms of energy (Solar, Wind, Hydroelectric, and Biofuels)
- c) Participation in NC GreenPower program
- d) Description of how project will ensure indoor air quality, adequate access to natural lighting, and allow for proposed utilization of sustainable energy
- e) Description of how project will maintain commitment to energy efficiency and reduced carbon footprint over time
- Description of how the project's Transportation Management Plan will support efforts to reduce energy consumption as it affects the community

Exterior Elevations

a) An outline of each elevation of the building, including the finished grade along the foundation (height of building measured from mean natural grade)

Live Fire Training Facility Project Narrative

PIN: 9871800325 6875 Millhouse Road

11.06 Acres

The Fire Departments in Orange County (10 total including Chapel Hill) have for many years identified a significant need for a joint training facility that could be utilized by departments across the County. In the absence of a joint center, The Chapel Hill Training Grounds became the de facto training site for the County Departments proximate to Chapel Hill. As the condition of the Chapel Hill "burn building" deteriorated we began communicating with The County Commissioners about the urgency of locating a new facility. These discussions went on for several years. Inability to identify land on which to locate the facility and limited financial resources were major obstacles.

Last year, The Orange County Fire Chiefs' Association supported a grant proposal, by Chief Phillip Nassari of the White Cross Volunteer Fire Department, to purchase a connex type live fire training structure. This grant was approved and approximately \$350,000 was appropriated for purchase. These types of training structures have become common in recent years. They tend to be less expensive than traditional brick and mortar structures, provide opportunities for multiple training modalities, can be repaired and modified relatively easily and are portable.

This new fire training structure must be purchased, delivered and installed by September 2019. In order to ensure that this training can be delivered to the County, I am requesting that we place it temporarily on Town owned land off of Millhouse Road between our Transit and Public Works facilities. The portability structure will allow for temporary use while other possible locations are explored.

We do not anticipate any parking or traffic impacts with this use. Normally the firefighters being trained at the facility will travel to the site on fire apparatus that will be used in the training exercises. The apparatus will be staged on the site. There is the potential for one or two additional training vehicles (SUV or pick-up trucks) that will also be parked on the site.

The property is currently zoned MU-R1. We are requesting the property be re-zoned to OI-2 which will allow for the placement and use of the facility on the zoning lot.

Ariel overview of the lot:

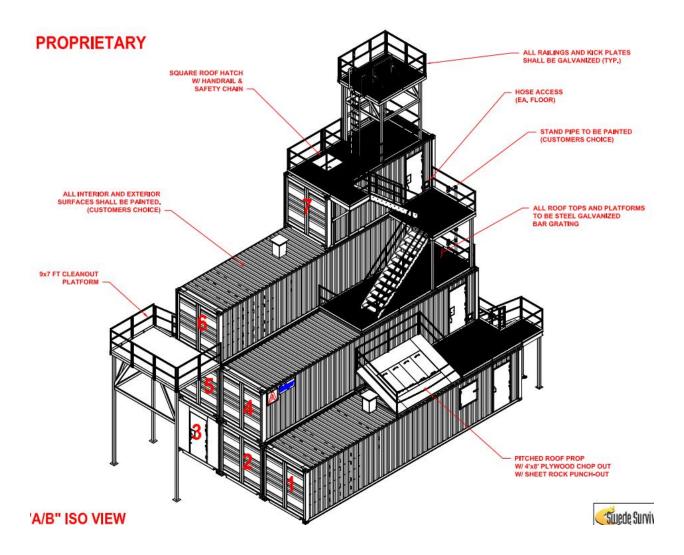




Temporary Fire Life Fire Training Facility

The facility is a container-based Class A burn structure that will allow for real fire scenarios. Live Fire Training Systems can be operated with a comprehensive variety of training scenarios residential or commercial. This will allow for Safe, realistic, and customized fire training. These structures are designed with multiple training props, a remote fire control and observation area, various measurement and detection devices, and a ventilation system. The manufacturer of the structure will also provide a comprehensive train-the-trainer course with qualified, experienced instructors.

Placement of the structure will result in minimal land disturbance in a 60'x44' area.



PROPRIETARY

