## **APPENDIX F**

## **RETROFIT PLAN FOR LANIER POINTE II**

#### Safe Harbors used to develop the retrofit scope:

ADA - Evaluation of Items to Retrofit: 1991 ADAAG

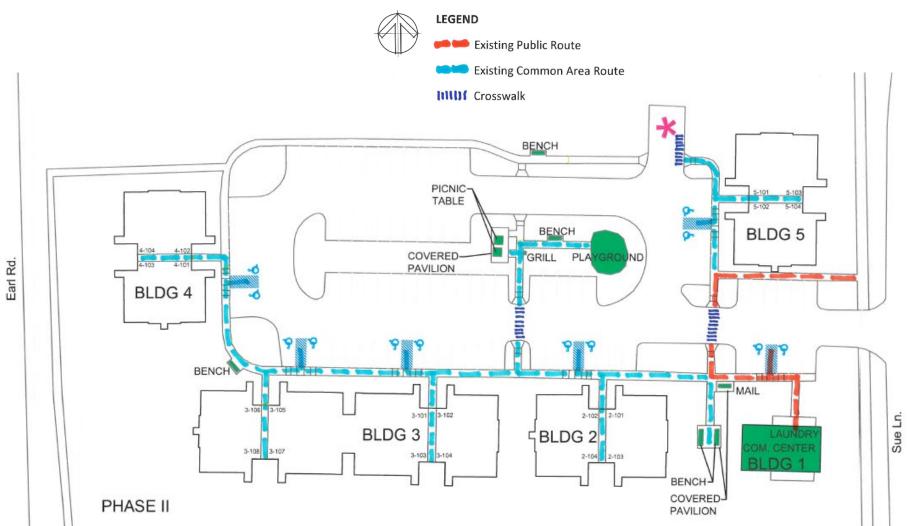
Standard for Retrofit Work: 2010 ADA Standards

FHA – Evaluation of Items to Retrofit: FHA, FHA Regulations, Guidelines, ANSI A117.1 1986 Standard for Retrofit Work: FHA, FHA Regulations, Guidelines, ANSI A117.1 1986

#### Notes:

Current NC Building Code will apply to all work requiring a building permit. Local code requirements for retrofits may be more stringent than the safe harbor listed above.

Alternate accessible routes may be considered. Routes identified in the approved retrofit plan may not be revised unless the change is approved by the DOJ. Survey all portions of the routes affected by concrete and asphalt work done on or after February 2018 to confirm scope of required work.



### ACCESSIBLE ROUTE DIAGRAM

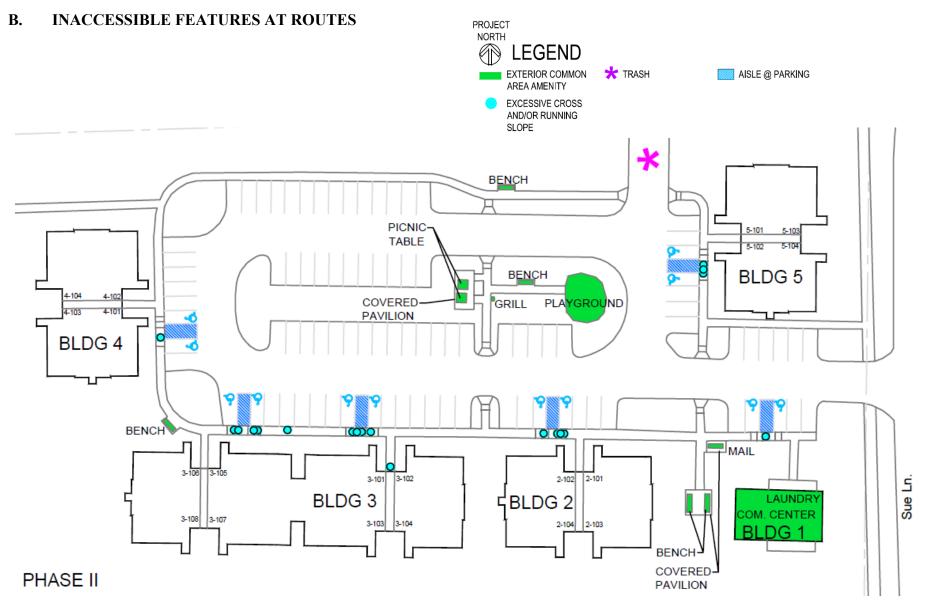
Lanier Pointe II Retrofit Plan – 2

# A. PUBLIC AND COMMON AREA FEATURES (ADA & FHA)

	Inaccessible Restroom Features		
1	Flush control at women's restroom.	Toilet flush control in the women's restroom is located on the side opposite the side of approach (not allowed).	Replace tank.
	Protruding Object		
2	Drinking fountain in community center.	The leasing office/community center drinking fountain protrudes 19 inches into the circulation path at a height of 27-1/2 inches at the low fountain and at a height of approximately 31 inches at the high fountain (maximum 4 inch protrusion allowed at heights between 27 inches and 80 inches above the floor).	Install shroud or other cane detectable barrier. Barrier may not obstruct required knee and toe space at lower unit.



Α	ADA		
	Mensurement of centerline of men's restroom sign.	The men's restroom signage is not centered on an 18 inch clear floor space (minimum 9 inches from door jamb to centerline of sign required). <u>Centerline Location (inches)</u> Men's Restroom 7-1/2	Relocate sign.



Lanier Pointe II Retrofit Plan – 6

	Lack of Accessible Route		
4	Dumpster location at the end of a vehicular lane.	There is no accessible route to the dumpsters (accessible route is required). Dumpster enclosure is at the end of a vehicular lane.	Stripe accessible route to dumpster from east curb ramp.
	Crosswalks		
5	See Accessible Route Diagram.	Crosswalks at vehicular drives are incorporated into the accessible route(s).	Stripe crosswalks.

	Inaccessible Curb Ramp Features		
6	West curb ramp north of Building 3.Measurement of running slope.	Running slopes of curb ramps a 8.3% (maximum 8.3% allowed Location North of Building 2, top of east curb ramp North of Building 2, top of west curb ramp North of Building 3, east entry, top of east curb ramp North of Building 3, east entry, top of west curb ramp North of Building 3, west entry, top of west curb ramp	Replace curb ramps at accessible route(s) as required to retrofit sections with excessive running slope.

7		Cross slopes of curb ramps are 2.0% (maximum 2.0% allowed		Replace curb ramps at accessible route(s) as required to retrofit sections with excessive cross slope.
		Location	Slope	
		Building 5, top of south curb ramp	3.2%	
		Building 2, top of east curb ramp	3.2%	
		Building 3, east entry, bottom of west curb ramp	3.6%	
		Building 3, west entry, top of east curb ramp	3.3%	
	Curb ramp at the east entry			
	of Building 3.			
	Measurement of cross slope.			

# C. COMMON USE AREAS

	Inaccessible Mail Center Features			
8		Of 40 mailboxes at this location, 14 mailboxes that serve covered units are above reach range (maximum 54 inches allowed to lock). The top five rows of mailboxes are above reach range.		Rearrange mail box frames or reassign boxes such that all covered dwelling units are assigned mail boxes that have locks within reach range.
			Height	
		Location	(inches)	
		Building 2: Box 1020-2 Sue Ln./ 101	69-5/8	
		Box 1020-2 Suc Lii./ 101 Box 102	66-3/4	
	The second second	Box 102 Box 103	63-1/4	
		Box 104	59-3/4	
	Mailbox center.	Building 3:		
		Box 104	69-1/2 +/-	
		Box 105	66-3/4 +/-	
		Box 106	63-1/8	
		Box 107	59-3/8	
		Box 108	56-1/4	
		Building 4:		
		Box 1020-4 Sue Ln./ 101	56 +/-	
		Building 5:		
		Box 1020-5 Sue Ln./ 101	66-3/4 +/-	

	Box 102 Box 103 Box 104	63-1/4 +/- 59-1/2 +/- 56 +/-	
Typical mailbox frame.			
107 107 108 108 108 108 108 108 108 108 108 108			
Lane, Box 108.			

9 Image: Second stress of the second stress of	The television in the fitness center projects approximately 10 inches into the circulation path at 65 inches above the floor (maximum 4 inches allowed at heights greater that 27 inches and less than 80 inches).	Provide permanent cane detectable barrier under the TV.
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## D. COVERED DWELLING UNITS

Lanier Pointe Phase II has four 2-story residential buildings. Three buildings have four 2-bedroom units per floor and one building has four 2-bedroom units and four 3-bedroom units per floor. All 20 first-floor units are covered by FHA.

Unit counts:

Covered 2 Bedroom / 2 Bath Unit = 15 total Covered 2 Bedroom / 2 Bath Unit (Type A) = 1 total Covered 3 Bedroom / 2 Bath Unit = 3 total Covered 3 Bedroom / 2 Bath Unit (Type A) = 1 total Second Floor 2 Bedroom / 2 Bath Unit = 16 total Second Floor 3 Bedroom / 2 Bath Unit = 4 total

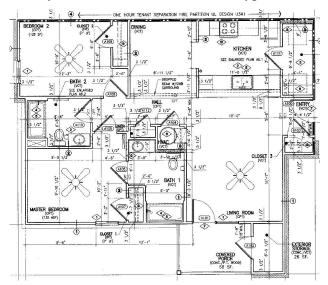
40 total units (32 - 2 bedroom and 8 - 3 bedroom)

20 total covered units (2 designated accessible units)

## Typical Inaccessible Unit Features Common to All Residential Buildings/Units

The extent of existing blocking in bathrooms cannot be determined without destructive testing. Additional blocking at unit toilets, tubs and showers may be required as part of unit retrofits.

## **UNIT TYPE: 2 Bedroom, 2 Bathroom** Surveyed Units 2-102 and 5-102 – Typical for 15 total units



Unit Plan. (PENDERGRAPH04197).

10	Bathtub/shower surround in Unit 2-102.	The shape of the bathtub surrounds precludes the installation of future grab bars with firm attachment to blocking (ability to install grab bars required).	Replace tub surround or install custom grab bars that can be mounted in the required locations at the existing surrounds. If not replacing the tub surround, fabricate at least two custom grab bars for the tub back walls. Maintain a stock of two such grab bars on site at all times. Install on request at no charge.
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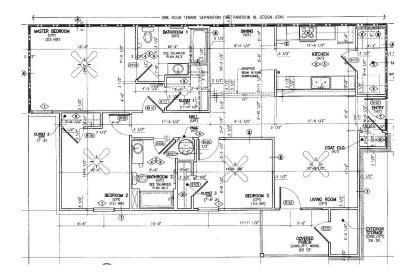
11	Dimension from side wall to centerline of lavatory in Unit 2-102.	Location Unit 2-102 master bath Unit 2-102 hall bath Unit 5-102 master bath	iches	Install removable base cabinet with 30 inch wide knee space in compliance with safe harbor knee and toe clearance requirements. Attach a durable-material placard stating: "THIS CABINET IS REMOVABLE FOR PERSONS WITH DISABILITIES. CONTACT MANAGEMENT."
12	Dimension from toilet side wall to lavatory Unit 2-102.	Location Unit 2-102 hall bathroom	o 29-1/2	Reduce lavatory/vanity cabinet width to the maximum extent possible to widen the space.

	Dimension from toilet side wall to lavatory Unit 2-102.		
13	Dimension from side wall / bathtub to toilet centerline in Unit 2-102.	Toilet centerlines are less than 18 inches to the bathtub side wall (minimum 18 inches required). Distance Location (inches) Unit 2-102 hall bathroom 15-3/8 Unit 5-102 hall bathroom 15-1/8	Install offset flange to shift toilet centerline to a position as close to 18 inches from the tub as is possible.

14		The clear floor space in the ba than 48 inches long (minimur required).		Reverse the door so that it does not swing into the bathroom.
	Tape at edge of bathroom door leaf in open position at Unit 2-102.Image: State of the state o	Dimension Location Unit 2-102 hall bathroom Unit 5-102 hall bathroom	Clear (inches) 34-1/2 33-5/8	

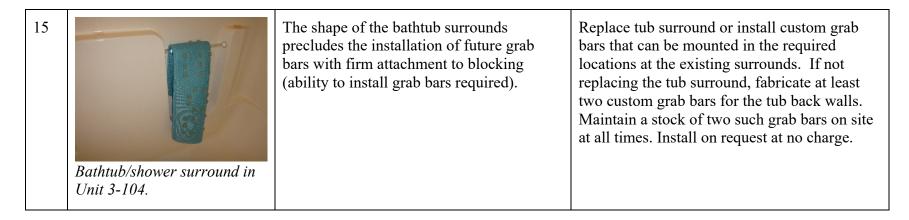
### **UNIT TYPE: 3 Bedroom, 2 Bathroom**

Surveyed Unit 3-104 – Typical for 3 total units



Unit Plan. (PENDERGRAPH04198).

### **Inaccessible Features:**



16		Lavatory centerlines are less than 24 inches to the side wall (minimum 24 inches required) and the cabinets are not removable.		Install removable base cabinet with 30 inch wide knee space in compliance with safe harbor knee and toe clearance requirements.
		Location Unit 3-104 master bathroom	Distance <u>(inches)</u> 19	Attach a durable-material placard stating: "THIS CABINET IS REMOVABLE FOR PERSONS WITH DISABILITIES. CONTACT MANAGEMENT."
	Dimension from side wall to centerline of lavatory in Unit 3-104 hall bathroom.			
	Image: Note of the sector of			