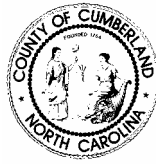


Clifton McNeill, Jr.,  
Chair  
Cumberland County

Charles C. Morris, Vice-Chair  
Town of Linden  
David Averette,  
John M. Gillis, Jr.,  
Dr. Marion Gillis-Olson  
Cumberland County



**COUNTY of CUMBERLAND**  
—◆—  
*Planning and Inspections Department*

Nancy Roy, AICP,  
Director  
Planning & Inspections

Joe W. Mullinax,  
Town of Spring Lake  
Jerry Olsen,  
Wade, Falcon & Godwin  
Frankie Underwood,  
Town of Stedman

**CUMBERLAND COUNTY JOINT PLANNING BOARD  
TENTATIVE AGENDA  
September 2, 2003  
Historic Courthouse, 130 Gillespie Street  
7 PM**

- I. INVOCATION AND PLEDGE OF ALLEGIANCE
- II. APPROVAL OF AGENDA/ADDITIONAL ITEMS
- III. SPECIAL PRESENTATION – CHAIRMAN CLIFTON MCNEILL
- IV. APPROVAL OF THE MINUTES OF AUGUST 19, 2003
- V. PRESENTATION OF CUMBERLAND COUNTY NATURAL RESOURCE INVENTORY  
  
CANDACE WILLIAMS, SANDHILLS AREA LANDTRUST  
BRUCE SORIE, BOTANIST, NC AMERICAN HERITAGE PROGRAM
- VI. SELECTION OF AIR QUALITY STRATEGIES FOR RECOMMENDATION TO BOARD OF COMMISSIONERS
- VII. DISCUSSION
- VIII. DIRECTOR'S REPORT
- IX. ADJOURNMENT

Clifton McNeill, Jr.  
Chair  
Cumberland County

Charles C. Morris, Vice-Chair  
Town of Linden  
David Averette,  
John M. Gillis, Jr.,  
Dr. Marion Gillis-Olion,  
Cumberland County



# COUNTY of CUMBERLAND

## *Planning and Inspections*

Nancy Roy, AICP  
Director  
Planning & Inspections

Joe W. Mullinax,  
Town of Spring Lake  
Donovan McLaurin,  
Wade, Falcon & Godwin  
Frank Underwood,  
Town of Stedman

MINUTES  
August 19, 2003  
7:00 p.m.

### Members Present

Clifton McNeill, Chair  
David Averette  
John M. Gillis, Jr.  
Donovan McLaurin  
Joe W. Mullinax  
Marion Gillis-Olion  
Frankie Underwood

### Members Absent

Charles C. Morris, Vice-Chair

### Others Present

Nancy Roy, Director  
Thomas J. Lloyd  
Donna McFayden  
BJ Cashwell  
Grainger Barrett,  
County Attorney

#### I. INVOCATION AND PLEDGE OF ALLEGIANCE

Mr. Mullinax delivered the invocation, and Chair McNeill led those present in the Pledge of Allegiance.

#### II. APPROVAL OF AGENDA/ADDITIONAL ITEMS

Mr. Lloyd asked that Case No. P03-66 be moved to the consent agenda and indicated that the Town of Linden had provided information that showed water service could be provided to the Palestine Road site. A motion was made by Mr. Averette and seconded by Mr. Gillis to approve the addition of Case No. P03-66 to the consent agenda. The motion passed unanimously. Chair McNeill asked that County Commissioners' Update be added as a discussion item. A motion was made by Mr. Mullinax and seconded by Mr. Gillis to approve the amended agenda. The motion passed unanimously.

#### III. PUBLIC HEARING DEFERRALS

There were no public hearing deferrals.

#### IV. ABSTENTIONS BY BOARD MEMBERS

Chair McNeill said that he would abstain from discussion and voting on Case P03-63. A motion was made by Mr. Averette and seconded by Mr. Underwood to approve the abstention. The motion passed unanimously.

#### V. POLICY STATEMENT REGARDING PUBLIC HEARING TIME LIMITS

Mr. Lloyd read the Board's policy regarding public hearing time limits

#### VI. CONSENT ITEMS

##### A. APPROVAL OF THE MINUTES OF AUGUST 5, 2003

Chair McNeill asked if there were corrections to the minutes. Dr. Olion asked that the word property be added to the third paragraph where the cost of the property is discussed. A motion was made by Dr. Olion and seconded by Mr. Gillis to approve the minutes with the noted correction. The motion passed unanimously.

#### REZONING CASE

- A. P03-64: REZONING OF 9.38 ACRES FROM M1 AND HS(P) TO M(P) OR TO A MORE RESTRICTIVE ZONING DISTRICT, AT 158 & 178 EAST MOUNTAIN DRIVE, OWNED BY WALTER M. SHAW.

The Planning staff recommended approval of the M(P) Planned Industrial District based on the following:

1. The proposed M(P) District would be an extension of the existing zoning adjacent to the site; and
2. The 2010 Land Use Plan calls for light industrial at this location.

No one appeared in favor of or in opposition to the request.

**A motion was made by Mr. Gillis and seconded by Mr. Mullinax to follow the staff recommendations and approve M(P) Planned Industrial District. The motion passed unanimously.**

- B. P03-66: REZONING OF 52.20 ACRES FROM A1 TO R15 OR TO A MORE RESTRICTIVE ZONING DISTRICT, AT 313 PALESTINE ROAD, OWNED BY SOUTHEAST DEVELOPMENT, LLC.

The Planning staff recommended approval of R15 Residential District based on the following:

1. The Town of Linden has approved the water system to be extended to the property and low density residential would be appropriate with water.

The Planning staff finds the subject property is also suitable for RR, R20, R40, R40A and A1A Residential Districts.

No one appeared in favor of or in opposition to the request.

**A motion was made by Mr. Gillis and seconded by Mr. Mullinax to follow the staff recommendations and approve R15 Residential District. The motion passed unanimously.**

#### CONDITIONAL USE OVERLAY CASE

- A. P03-67: A CONDITIONAL USE OVERLAY DISTRICT AND PERMIT TO ALLOW A WRECKER AND TOWING SERVICE AND TEMPORARY STORAGE OF VEHICLES IN AN RR DISTRICT, CONTAINING 5.25 ACRES, AT 810 SLOCOMB ROAD AND 6935 HOLDER LANE, OWNED BY ELEANOR AND GARY HOLDER.

The Planning staff recommended approval of the Conditional Use Overlay District based on the findings that the request is reasonable, not arbitrary or unduly discriminatory and in the public interest.

The Planning staff recommends approval of the Conditional Use Overlay Permit based on the findings that the proposal:

1. Will not materially endanger the public health and safety;
2. Will not substantially injure the value of adjoining or abutting property;
3. Will be in harmony with the area in which it is to be located; and
4. Will be in conformity with the 2010 Land Use and Thoroughfare Plans.

The Planning staff recommended that the following conditions be applied to the Conditional Use Overlay Permit:

1. Hours of operation will be 24 hours a day and six days a week.
2. No signage will be installed.
3. No salvaged vehicles will be allowed to be stored on site.
4. All disabled vehicles will be removed from the site within 30 days from approval by the Cumberland County Commissioners.
5. Temporary storage of vehicles shall not exceed six months.
6. An evergreen landscaped buffer and/or solid wooden fence be installed to encompass the entire storage area of commercial and noncommercial vehicles associated with the business in accordance with Section 10.2 "Buffer" of the Cumberland County Zoning Ordinance.
7. A Watershed Permit be obtained from the Cumberland County Planning & Inspections Department. The total impervious area to include parking and all structures shall not exceed the 24 percent built-upon area calculated from the total acreage according to the Watershed Ordinance.
8. The 12' X 54' trailer storage shown on the site plan shall be removed from the lot.
9. All items above shall be completed with ninety days from approval by the Cumberland County Commissioners.

No one appeared in favor of or in opposition to the request.

**A motion was made by Dr. Olion and seconded by Mr. Averette to follow the staff recommendations and approve the Conditional Use Overlay District because the application is reasonable, neither arbitrary nor unduly discriminatory and in the public interest. The motion passed unanimously.**

**A motion was made by Dr. Olion and seconded by Mr. Averette to approve the Conditional Use Overlay Permit after finding that when completed, the proposed: 1) will not materially endanger the public health and safety; 2) will not substantially injure the value of adjoining or abutting property; 3) will be in harmony with the area in which it is to be located; and 4) will be in conformity with the land use plan, thoroughfare plan or other plan officially adopted by the Board of Commissioners.**

**The following conditions were included in the motion and condition 4 be amended from 30 to 90 days:**

1. Hours of operation will be 24 hours a day and six days a week.
2. No signage will be installed.
3. No salvaged vehicles will be allowed to be stored on site.
4. All disabled vehicles will be removed from the site within 90 days from approval by the Cumberland County Commissioners.
5. Temporary storage of vehicles shall not exceed six months.
6. An evergreen landscaped buffer and/or solid wooden fence be installed to encompass the entire storage area of commercial and noncommercial vehicles associated with the business in accordance with Section 10.2 "Buffer" of the Cumberland County Zoning Ordinance.

7. **A Watershed Permit be obtained from the Cumberland County Planning & Inspections Department. The total impervious area to include parking and all structures shall not exceed the 24 percent built-upon area calculated from the total acreage according to the Watershed Ordinance.**
8. **The 12' X 54' trailer storage shown on the site plan shall be removed from the lot.**
9. **All items above shall be completed within ninety days from approval by the Cumberland County Commissioners.**

**The motion passed unanimously.**

X. PUBLIC HEARING ITEMS

- A. P03-63: REZONING OF 18.13 ACRES FROM A1 TO RR OR TO A MORE RESTRICTIVE ZONING DISTRICT, ON THE WEST SIDE OF CHICKEN FOOT ROAD, SOUTH OF CLIFTON MCNEILL ROAD, OWNED BY TROY L. IVERSON AND NORMAN R. NELSON III.

Chair McNeill left the room and Mr. Mullinax was designated as Acting Chair.

Maps were displayed indicating the zoning and land use in the area. Mr. Lloyd indicated that the density calculated with 20% deducted for roads allowed 7 units for the A1, 16 units for R40 and 32 units for the RR districts. He stated there had been failed septic tanks in the A1 zoning in the area. Mr. Lloyd reported that the Planning staff recommended denial of the RR Rural Residential District and approval of a Conditional Use Overlay District and Permit/RR Rural Residential District based on the following:

1. Conditions may be placed on the property to require public water and sewer to comply with Section 4.3d(2) of the Subdivision Ordinance for developments containing more than 20 lots within the Urban Services Area.

Mr. Iverson appeared before the Board in favor of the request and stated he and Mr. Nelson owned the subject property. He indicated that he planned to develop the property with 16 lots if feasible. He explained that he had a soil survey conducted on the cleared portion of the land. He said the survey indicated that the land was perkable. He said he also had an engineer survey the property and there were no problems. He said he had requested the RR to allow him to develop the site in  $\frac{3}{4}$  acre lots and this would be less dense than the land nearby.

Mr. Averette asked if he had any objections to the R40 zoning. Mr. Iverson said he had no objection with the R40 although it would slightly limit the development.

Mr. Averette asked how many lots could be developed with the R40. Mr. Lloyd indicated that it would allow 16 lots.

Mr. Clifton McNeill, Sr. appeared before the Board in opposition to the request and stated all the land around the area was farmland. He said he would not have any objection to the development if water and sewer were extended to the site. He said he had farmed the land through rental agreements for 50 years and knew that there were at least five acres that were wetlands. He explained if a lot of houses are developed there that the water runoff has nowhere to go except on to Mr. Barker's property or his. He said if the site is developed to RR standards without water and sewer that there will be problems with the septic tanks as wetland exists on that property and the water table is high.

Mr. Iverson stated he had an official report on the soil survey for the Board's review but indicated he did not have a problem with the R40 zoning.

---public hearing closed---

Mr. Gillis asked if the staff had information on septic tank failures in the area. Mr. Lloyd stated their information was obtained through discussion with the residents.

Mr. Gillis said that if water and sewer was required, what was the distance for extension. Mr. Lloyd stated about 5,300 feet for both. Mr. Gillis asked if PWC was planning any future extension into the area. Mr. Lloyd stated from the information provided from PWC that they were not.

Mr. Iverson stated that the PWC lines run up to the elementary school property.

Mr. Averette stated that R40 would be more appropriate and would limit the development to 16 lots. He said the amount of lots may be restricted by the septic tank system and they may only be able to develop eight or ten lots.

A motion was made by Mr. Averette and seconded by Mr. McLaurin to approve R40 Residential District.

Mr. Lloyd indicated that the 5 acre wetlands mentioned could be included in the density calculations but not in the development.

Mr. Gillis stated where there is lack of drainage or where water collects on the property that these issues would have to be resolved by the developer and designer of the site.

Mr. Averette said R40 allows 16 lots and the number of lots that could be developed would depend on the engineer and soil survey completed.

Mr. McNeill, Sr. appeared before the Board in rebuttal and stated that the R40 zoning would allow up to 16 lots without water and sewer. He stated he was a member of the Stormwater Advisory Board and that the water in the rural areas had runoff going onto other properties. He stated that Cypress Lakes has lots with water runoff problems due to increased development. He stated that he had no problem with two acres lots. He explained that there was Autryville Sand and Stallings Sand on the property, which causes standing water.

**Upon a vote on the motion, it passed unanimously.**

Chair McNeill returned to the room.

## XI. DISCUSSION

### A. MIA SUBCOMMITTEE UPDATE – JOE MULLINAX

Mr. Mullinax informed the Board that the MIA Subcommittee met on August 5, 2003 and after lengthy discussion, the City staff requested the subcommittee be placed on hold to allow the city to rewrite their ordinance to be more compatible with the County's.

Mr. Gillis stated he had met with engineers and developers in the area and they were in the process of trying to develop standards for the urbanized areas and they were also working along with the city in the development process.

### B. COMMISSIONERS' MEETING UPDATE

Chair McNeill reported that after a lengthy discussion on the Affordable Portables, Inc case that the Commissioners' followed staff recommendations and denied the request. He stated there was a lot of opposition to the R10 zoning for the Camden Road case and the Commissioners approved R15 zoning for the site without PWC sewer.

Mr. Gillis stated that the ramification of the zoning changes would affect the area and not make it feasible for water and sewer to be extended to the surrounding area.

XII. FOR YOUR INFORMATION

A. FY03 ANNUAL REPORT

Ms. Roy passed out the Annual Report to the Board and provided extra copies to the Town Representatives to give to their town staff. She informed the Board that this year's annual report encompassed all the various sections in the department along with the Planning Boards summary of the year's accomplishments. She stated the report would be forward to the County Manager's office.

B. DIRECTOR'S UPDATE

Ms. Roy informed the Board that a presentation would be made by Candace Williams with the Sandhills Area Land Trust on Cumberland County's Natural Resources at their next meeting. She stated that information from Ms. Williams has been provided in their folders for their review before the next meeting. She stated the Randall Arendt meeting has been scheduled for October 29, 2003. She asked the members to provide her with mailing lists of surveyors, developers and engineers to send out notices of the meeting. Mr. Averette stated that if Ms. Roy would provide him with the notice information that he would take care of the distributions to the surveyor, developers and engineers. Mr. Gillis said Mr. Barry Hooker could also be contacted for additional names to send notices to.

XIII. ADJOURNMENT

There being no further business, the meeting adjourned at 8:45 p.m.

**MINUTES**  
**Comprehensive Planning Committee**  
**Wade Area Land Use Plan**  
**August 19, 2003**

Members Present

Joe Mullinax  
Clifton McNeill, Jr.  
Dave Averette  
Dr. Marion Gillis-Olion  
Frankie Underwood

Staff Present

Nancy Roy  
Will Denning  
Carmen Holmsley  
Hope Barnhart

Mr. Mullinax called the meeting to order at 6:07 p.m. and recognized Will Denning of the Comprehensive Planning Section to start the discussion. Will gave a brief overview of the document and the process used by the Wade Citizens Planning Committee to develop the Plan, then asked if there were any questions or comments regarding the Plan.

Mr. Mullinax asked how is the data generated for designating areas suitable for swine operations, referring to Map 18 Areas Designated as Suitable for Swine Farms Within the Wade Study Area, page 40. Will explained that State criteria are used to determine unsuitable locations and a circle is drawn to indicate areas not suitable for swine farms. He also explained that a State imposed moratorium is in effect for additional swine farms. Mr. Mullinax commented that there was a sizeable portion of the Wade Study Area designated as suitable for swine farms. Mr. McNeill stated that he felt that the moratorium on swine farms would be in effect for a long time due to lobbying efforts by the existing swine farmers. Carmen Holmsley added that soil characteristics in these areas would also determine if a swine farm is appropriate.

Nancy Roy explained that she initially had a question regarding how the Staff and Citizens Planning Committee determined the locations for industrial uses denoted on Map 25 Wade Study Area Citizens Planning Committee Proposed Land Use Plan, page 61. She further explained that FAEDC had given input regarding these locations. Will explained that these sites meet location criteria that are suitable for industrial uses. These criteria include: access to major thoroughfares and the railroad; large undeveloped tracts; and availability of natural gas and potential availability of public water and sewer. He stated that John Swope Interim Director of FAEDC had met with the Citizens Planning Committee and explained that FAEDC had been marketing tracts in this area as prime industrial locations and indicated that one tract in particular ranked high in overall sites in the State.

Mr. Underwood asked the Staff to explain the citizen input listed under the Weaknesses in the Study Area stating, "County officials are not in touch with citizens in the Study Area." Hope Barnhart explained that the citizens' comments were listed on a flip chart during the Visioning Session and that the comment was similar to other comments from citizens living East of the Cape Fear River who feel that their needs are not being met by the County Commissioners. Will explained that lack of an ambulance service, water and sewer, and response time by Sheriff deputies were issues citizens felt that the Commissioners were not adequately addressing.

Mr. Averette asked where the NORCRESS Sewer Plan was located within the document, referring to Map 8 Wade Study Area Sewer Service. Will explained that at the time the study was being done, NORCRESS had not been formed; therefore the document did not contain a specific sewer plan. Nancy showed the Committee a map showing the NORCRESS area and preliminary sewer locations. Mr. Averette noted that there were no proposed sewer lines extending to the proposed industrial tracts and he felt that it would not be appropriate to designate these tracts as industrial without sewer service. Nancy explained that the Rural Development Authority (RDA), one of the funding sources of NORCRESS, would not pay for sewer service for speculative development. She felt that sewer service to these tracts could be negotiated between the County and the developers or FAEDC could propose an incentive package that would address this issue. Will indicated that there was a proposed 6" force main and lift station northwest of the Wade Town Limit line near one of the proposed industrial tracts. He also noted that the staff has been seeking additional information regarding sub basin information from the NORCRESS engineering consultant on the available gravity sewer service area. Mr. Averette mentioned he was concerned about the capacity needed to handle industrial uses, especially a lift station.



Mr. McNeill asked Will who was pushing industrial development. Will replied that it was John Swope of FAEDC. Mr. McNeill stated that he felt that the County Commissioners might be in favor of showing these tracts as industrial. He further asked if a bigger sewer line would be needed to accommodate industrial. Mr. Averette indicated that it would be needed.

Mr. Mullinax asked the Committee what they wanted to do at this point and further asked if an addendum needed to be added to the Wade Plan that refers to the NORCRESS Sewer Plan. Will suggested that the Staff could get Kevin Lindsey of Hobbs and Upchurch Engineering, Consultant to NORCRESS, to review the proposed land uses, in terms of how they may impact the NORCRESS Sewer Plan.

Will mentioned to the Committee that Grainger Barrett had mentioned after the presentation of the Wade Study at the planning Board meeting on July 1, 2003, that he would suggest changing the industrial designation of the tracts of land located between the Cape Fear River and River Road from an environmental standpoint. Nancy suggested that Candace Williams of the Sandhills Area Trust could review the land use plan and give the Committee some suggestions.

Dr. Marion Gillis-Olson asked if the Plan addressed billboards along the Outer Loop. Will said that the Plan did not address billboards but the staff could add this recommendation to the Plan.

The Committee felt that it would be appropriate for the Staff to get comments from Mr. Joe Dixon, Spokesperson of the Wade Citizens Planning Committee and Mr. Donovan McLaurin the Wade Representative to the Planning Board.

Will indicated that the Staff would provide to the Committee any additional comments received prior to the next meeting if possible.

The next meeting was set for Tuesday, September 16, 2003 at 6:00 p.m.

There being no further business, the meeting was adjourned at 6:55 p.m.

**DRAFT MINUTES  
COUNTY JOINT PLANNING BOARD  
FAYETTEVILLE PLANNING COMMISSION  
SUBCOMMITTEE MEETING ON MUNICIPAL INFLUENCE AREAS  
Monday, August 11, 2003**

**MEMBERS PRESENT**

Joe Mullinax  
Charles Morris  
Brian Irving  
Alan Tucker

**MEMBERS ABSENT**

Staff Present: Nancy Roy, Jimmy Teal, Tiffany Sneed, Will Denning, Matt Rooney, Tom Cooney, Laura Johnson

The meeting was called to order at 4 PM.

Introductions were made and the committee members approved the agenda and the minutes of the two previous meetings.

Will Denning provided two handouts illustrating Development Standards of the Various Jurisdictions (dated 7/23/96) and a City of Fayetteville/Cumberland County Comparison of Development Standards. (both are attached to these minutes)

Regarding Stormwater, Tom Cooney stated that until the Phase II regulations are in place, there are no specific County requirements (aside from some requirements in the subdivision ordinance requiring proper drainage). Cooney stated that stormwater issues lie in a gray area. If stormwater is impacting adjacent property owners, court action is usually recommended.

The City of Fayetteville uses the term BMPs (Best Management Practices) and includes stormwater detention ponds as one of these practices. In addition, in Water Supply Watershed areas, detention ponds are required for high density development.

One suggestion was to develop joint, City/County stringent stormwater requirements. Working together, we could develop one standard for rural development and one for urban development.

In comparing the City and County development standards the following comments were made:

- Deficiencies in the county standards seem to be in the area of drainage, sidewalks, curb and gutter.
- Landscaping could be accomplished through a Joint Appearance Commission. Currently, landscaping standards are being promoted through the joint Air Quality project.
- Regarding water and sewer, the County does not own or control the utility
- Fire requirements are the same for both jurisdictions.
- Recreation requirements are the same
- Underground utility requirement is the same.
- Regarding roads, in the County, developers may have up to 7 lots on an unpaved road (Class C street). No Class C streets are allowed in the Urban Services Area (which is all area outside the Farmland Protection Area). Developments with over 7 lots must meet DOT standards.
- Curb, gutter and sidewalks seem to be city issues.

Some ideas that were discussed:

- Designate an MIA, define it and state that in this area, city standards would apply depending on urban or suburban densities
- Urban standards would include concrete curb and gutter
- Private streets in the city are not required to meet these standards – they are maintained by Homeowners' Associations
- Sidewalks are required on one side of the street in the city

- The MIA standards could blend city and county regulations and require sidewalks on 500' long streets only
- Developments with sidewalks and wide streets aren't always as attractive or as safe as those with narrow, winding streets – e.g. Woodbridge is a much more attractive subdivision than Inverness.

Jimmy Teal suggested that in the next few months, the city may be looking at changing development standards and having one requirement for rural and one for urban development. Teal suggested we schedule our next meeting after the City discusses these proposed changes.

There being no further business, Chair Mullinax recessed the meeting at 4:40 with the next meeting to be called at the discretion of the Chair.

TABLE I

DEVELOPMENT STANDARDS OF THE VARIOUS JURISDICTIONS  
SINGLE-FAMILY DEVELOPMENT

SINGLE-FAMILY DEVELOPMENT										
STANDARDS	COUNTY	URBAN SERVICE AREA	FAYETTE-VILLE	SPRING LAKE	HOPE MILLS	FALCON	GODWIN	LINDEN	STEDMAN	WADE
1. Concrete Curb and Gutter	X <sup>8</sup>	X <sup>8</sup>	X							
2. Storm Drainage			X	X	X				X	
3. Sidewalks	X <sup>8</sup>	X <sup>8</sup>	X	X <sup>8</sup>	X					
4. Class "C" Streets	X									
5. Fire Hydrants	X <sup>8</sup>	X <sup>8</sup>	X	X	X	X			X	
6. Paved Streets	X	X	X	X	X	X	X	X	X	X
7. Street Names Approved	X	X	X	X	X	X	X	X	X	X
8. Access to Parks, Schools, etc.	X	X	X	X	X					
9. Public Water and Sewer Systems	X <sup>3</sup>	X <sup>3</sup>	X	X	X	X	X	X	X	X
10. On-Site Water and Sewer Systems	X	X <sup>4</sup>				X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>
11. Private Streets	X	X	X							
12. Recreation	X	X	X	X	X					
13. Underground Utilities	X <sup>8</sup>	X	X	X	X					

\* Allows Class "C" private street with a 20' travel way

- 1 Based upon street classification
- 2 Based upon conditions
- 3 When lines are within 2,000 feet
- 4 When no public sewer or water is near
- 5 When service line is available
- 6 When development abuts streets carrying certain classification
- 7 If adjacent to the street
- 8 When development meets urban density
- 9 One side of street only

TABLE II

DEVELOPMENT STANDARDS OF THE VARIOUS JURISDICTIONS  
GROUP DEVELOPMENTS AND MULTIFAMILY

GROUP DEVELOPMENTS AND MULTIFAMILY										
STANDARDS	COUNTY	URBAN SERVICE AREA	FAYETTE-VILLE	SPRING LAKE	HOPE MILLS	FALCON	GODWIN	LINDEN	STEDMAN	WADE
1. Public Water and Sewer	X <sup>3</sup>	X <sup>3</sup>	X	X	X				X	
2. On-site Water and Sewer	X <sup>4</sup>	X <sup>4</sup>				X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>	X <sup>4</sup>
3. Storm Drainage		X	X	X	X				X	
4. Paved Parking Lots and Driveways		X		X	X					
5. Fire Hydrants	X <sup>8</sup>	X <sup>8</sup>	X	X	X	X	X	X	X	X
6. Recreation	X	X	X	X	X					
7. Sidewalks	X <sup>8</sup>	X <sup>8,7</sup>	X <sup>8,7</sup>	X <sup>8,7</sup>						
8. Underground Utilities		X <sup>7</sup>	X <sup>7</sup>	X <sup>7</sup>						

\* Allows Class "C" private street with a 20' travel way

- 1 Based upon street classification
- 2 Based upon conditions
- 3 When lines are within 2,000 feet
- 4 When no public sewer or water is near
- 5 When service line is available
- 6 When development abuts streets carrying certain classification
- 7 If adjacent to the street
- 8 When development meets urban density

(Amend. of 7-23-96)

## CITY OF FAYETTEVILLE AND CUMBERLAND COUNTY DEVELOPMENT STANDARDS COMPARISON

	City of Fayetteville	Cumberland County		
		Urban Densities ≥ 5 units/acre	Suburban Densities < 5 units per acre, > 2 units per acres	Rural Densities ≤ 2 units/acre
Concrete Curb and Gutter	Concrete curb and gutters are required in any development.	<u>Concrete Curb and Gutter</u> All curbs and gutters shall meet the NCDOT approved standards and specifications. (Sec. 4.1.c)	<u>Concrete or Asphalt Rolled Curb and Gutter</u> All curbs and gutters shall meet the NCDOT approved standards and specifications. Concrete curb and gutter, if required by this ordinance, shall not be less than twenty-four (24) inches. (Sec. 4.1.c)	NCDOT Standards
Public Water and Sewer	<u>Utilities</u> In any subdivision located within the City limits, which has either public water or sewer systems or both available or to be made available for extension within 200 feet of the subdivision boundary, water mains and sanitary sewers shall be extended by the subdivider to provide service to each lot. Subdivisions without either or both of these utilities may be approved if lot sizes are provided. (Sec. 25-61 (4))	<u>Public Water and Sewer</u> Public sanitary sewer and public water is required if: <ul style="list-style-type: none"> <li>- any portion of a subdivision/group development/mobile home park of 2 to 10 units or lots is within 300 feet of public water or sewer;</li> <li>- any portion of 10 to 20 lots or units is within 500 feet of public water or sewer;</li> <li>- for more than 20 lots or units within the Urban Services Area (extension required);</li> <li>- where density is greater than 2 units per acre (extension required)</li> </ul> Any portion of a development that is within 1,000 feet of the Little Rockfish Creek-Bones Creek Sanitary Sewer Interceptor System, is required to connect to this system. Also it is required to connect to this system based on any of the above regulations.  The planning board may make exceptions to these requirements under certain conditions. (Sec. 4.3.d)		
Fire Hydrants	Fire hydrants are required in any development.	Required when development is located in the Urban Services Area and is to be served by a community, municipal or County water system. Fire hydrants are also required in any area of the County where a County or municipal water system is used for the water supply. <ol style="list-style-type: none"> <li>(1) located no more than 1,000 feet apart and at a maximum of 500 feet from any residential or commercial lot;</li> <li>(2) Each hydrant shall have a minimum eight-inch main supply line;</li> <li>(3) Shall be maintained by the entity supplying water thereto;</li> </ol> Standard hydrant design be utilized throughout the County. (Sec. 4.3.g)		

## CITY OF FAYETTEVILLE AND CUMBERLAND COUNTY DEVELOPMENT STANDARDS COMPARISON

	City of Fayetteville	Cumberland County		
		Urban Densities ≥ 5 units/acre	Suburban Densities < 5 units per acre, > 2 units per acres	Rural Densities ≤ 2 units/acre
Sidewalks	In any subdivision located within the jurisdiction of the City, sidewalks shall be constructed of concrete or other surface on one side of all streets with the exception of cul-de-sac streets less than 500 feet in length. Collector and arterial streets that abut the development on one side of the street shall include the construction of sidewalks on that street side for that portion of the development. (Sec. 25-61 (4))	All development shall be required to construct concrete or other approved surfaces sidewalks on one side of all streets, and concrete sidewalks on one side of minor thoroughfare (collector) streets. (Sec. 4.1.e)	Sidewalks are not required in a development, but all development shall be required to construct concrete sidewalks on one side of minor thoroughfare (collector) streets. (Sec. 4.1.e)	Sidewalks are not required. (Sec. 4.1.e)
Recreation Area Dedication Required or fee	Every residential dwelling unit shall provide a portion of land for the purpose of providing park, recreation, and open space as follows: - 500 sq ft. per dwelling unit when the land is located above the floodplain; - 1,000 sq ft. when land is located within the floodplain area; - 2,000 sq ft. when area is a water body. Developments that would require less than 5 acres may be exempt if the needs of the development can be adequately met by public parks.  When the needs of a development can be met by existing or proposed public areas, the developer may pay a fee in lieu of dedication. (Sec. 25-33)	Every residential dwelling unit shall provide a portion of land for the purpose of providing park, recreation and open space areas as follows: - 500 square feet per dwelling unit when land is above floodplain; - 1,000 square feet per dwelling unit when land is located within floodplain area; - 2,000 square feet per dwelling unit when area is a water body. (Sec. 3.13.1)  When it is determined that the park, recreation, and open space needs of a development can be met by existing or proposed public park, recreation, or open space areas, the Planning Staff may authorize the developer to pay a fee to the affected jurisdiction in lieu of dedication.		

## CITY OF FAYETTEVILLE AND CUMBERLAND COUNTY DEVELOPMENT STANDARDS COMPARISON

	City of Fayetteville	Cumberland County		
		Urban Densities ≥ 5 units/acre	Suburban Densities < 5 units per acre, > 2 units per acres	Rural Densities ≤ 2 units/acre
Underground Utilities	All new development shall place all utility lines underground where practical except for voltage lines 25 kV or greater. (Sec. 25-31)	All development shall have utilities placed underground where practical. High voltage electrical lines shall be exempt from this requirement. (Sec. 4.3.h)		
Landscape Standards	As per Fayetteville Landscape Ordinance	<i>No Landscape Standards</i>		
Drainage	<u>Storm Sewers</u> Storm sewers, drains and structures shall be installed by the subdivider and shall be installed of a size and type and in locations so as to provide for the discharge of surface water into a natural watercourse. (Sec.25-61(3))	<u>Drainage</u> In subdivisions located at or along a watercourse, the developer shall maintain the watercourse in an unobstructed state and shall remove all debris,... and other accumulations that would clog or dam the passage of waters ; appropriately sized stormwater drains, culverts, bridges, levee systems or closure structures shall not be constructed as obstructions in the stream. (Sec. 4.3.c)		
Streets	<u>Streets and Alleys</u> All streets shall be approved by city engineer's specifications. (Sec. 25-61 (2))	<u>Streets</u> All public streets shall be constructed according to NCDOT standards and specifications. All streets shall be certified by the NCDOT as being acceptable for future maintenance by the state, provided that other conditions for acceptance and maintenance are met.  Required drainage: (1) Drainage systems shall be installed in accordance with the NCDOT standards and specifications and in accordance with the NC Dept. Of Environmental Management Sedimentation and Erosion Control laws and regulations. (2) Upon adoption of a storm drainage manual by the Board of County Commissioners, all storm drainage systems shall be designed and installed in accordance with manual. (Sec. 4.1)		

## CITY OF FAYETTEVILLE AND CUMBERLAND COUNTY DEVELOPMENT STANDARDS COMPARISON

	City of Fayetteville	Cumberland County		
		Urban Densities ≥ 5 units/acre	Suburban Densities < 5 units per acre, > 2 units per acres	Rural Densities ≤ 2 units/acre
Private Streets	<p>Private Streets permitted to serve as access within developments with individual dwelling unit ownership. A variety of construction materials may be used if approved.</p> <p>Design</p> <ul style="list-style-type: none"> <li>- all private streets and drives shall have a minimum width or travelway of 20 feet;</li> <li>- a variety of surfacing and materials will be permitted for the construction of private streets' however, in all cases, the design shall be such that the loadbearing capacity and wearing surface shall be equal to or exceed that of a city residential street.</li> </ul> <p>Homeowners' Association required for subdivisions and other residential development when property is sold. (Sec. 25-32)</p>	<p>Private streets permitted to serve as access within residential developments, but no Class C private streets in the Urban Services Area. Must meet NCDOT specification for right-of-way width requirements of secondary roads.</p> <p>A. Minimum construction standards for subdivisions with <u>more than 7 lots</u>:</p> <ul style="list-style-type: none"> <li>- shall meet or exceed street construction and drainage standards for NCDOT's design specifications for residential streets;</li> <li>- no area of any lot shall be included in rights-of-way;</li> <li>- streets can be retained by developer or turned over to and accepted by NCDOT or by Homeowners' Association.</li> </ul> <p>B. Minimum construction standards for subdivision streets serving <u>5 to 7 lots</u>:</p> <ul style="list-style-type: none"> <li>- Construction like residential streets with a rural cross-section with appropriate amount of either crusher run or gravel;</li> <li>- property lines shall be included in the street easement;</li> <li>- all private roads shall connect to a state maintained road or and approved Class A private street;</li> <li>- group developments shall be limited to a maximum of 2 single-family units per lot.</li> </ul> <p>C. <i>Minimum construction standards for subdivision streets serving <u>1 to 4 lots</u>:</i></p> <ul style="list-style-type: none"> <li>- <i>a minimum passable travel way 20 feet wide shall be provided within a 45 foot easement;</i></li> <li>- <i>an adequate drainage system shall be constructed;</i></li> <li>- all private streets must directly connect to a state maintained road or a Class A private street;</li> <li>- <i>group developments shall be limited to a maximum of 2 single-family units per lot;</i></li> <li>- <i>property lines shall be included in the street easement.</i> (Sec. 4.2)</li> </ul>		

**Definitions:**

Urban Density	5 or more units per acre
Suburban Density	more than 2 but fewer than 5 units per acre
Rural Density	2 or fewer units per acre



**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

<b>NO.</b>	<b>CATEGORY</b>	<b>STRATEGY</b>	<b>STATUS</b>	<b>PERSONS RESPONSIBLE</b>	<b>SPECIFIC ACTION</b>	<b>COMMENTS</b>
1	LAND USE	<b>LANDSCAPE ORDINANCES</b> Urban reforestation and landscaping are key elements in the reduction of the "Heat Island Effect". Require landscaping of major non-residential developments within the MSA.	FAYETTEVILLE currently has and enforces a landscape ordinance, to include retrofitting older developments. HOPE MILLS - Same as City of Fayetteville CUMBERLAND COUNTY and SPRING LAKE are currently developing standards. Smaller municipalities have discussed development of a landscape ordinance and are currently members of the local Appearance Commission.	<b>Nancy Roy,</b> Cumberland County Joint Planning Board <b>Glen Prillaman</b> Fort Bragg <b>Jimmy Teal</b> City of Fayetteville <b>Roy Taylor</b> Town of Hope Mills	Propose a countywide landscape ordinance for all new commercial development. Ordinance to be recommended to Planning Board by 12/03 - to be enacted by the Cumberland County Board of Commissioners by 9/04. The Fort Bragg revised Sustainable Installation Design Guide (includes reducing heat island effect, preserving tree coverage) to be in place by 12/03.	Cumberland County will include all towns served by the Cumberland County Joint Planning Board
2	LAND USE	<b>CONDUCT A SMART GROWTH AUDIT</b>	Cumberland County will investigate in conjunction with new Zoning Ordinance and Land Use Plans, and will invite all of the Municipalities to participate	<b>Nancy Roy,</b> Cumberland County Joint Planning Board	Conduct a benchmark land use assessment and compare it with some of the identified smart growth policies.	
3	LAND USE	<b>TRANSIT/PEDESTRIAN/MIXED USE ORIENTED DEVELOPMENT</b> Continue to encourage and foster development along multi-modal corridors, by requiring sidewalks in sizeable residential developments and in commercial developments along thoroughfares. Continue to expand bicycle and pedestrian facilities throughout the area as part of thoroughfare projects and as part of municipal efforts to retrofit	FAYETTEVILLE, HOPE MILLS and SPRING LAKE require sidewalks upon development. Fayetteville and Hope Mills also encourage mixed-use developments. Try to expand this effort to all municipalities. Consider revising Cumberland County Ordinance to require sidewalks. Fort Bragg already has bicycle and pedestrian facilities throughout Post. Municipalities within the county are currently retrofitting many streets with sidewalks. Revise the current Bicycle and Pedestrian Plan to include all of the participating EAC agencies	<b>Nancy Roy,</b> Cumberland County Joint Planning Board  <b>Glen Prillaman</b> Fort Bragg	Cumberland County will add a mixed use alternative to the zoning ordinance. Cumberland County is currently working with schools and parks to facilitate pedestrian crossings from subdivisions to schools.  Fort Bragg will build upon the existing mixed use development by adding pedestrian trails and sidewalks.	Can be quantified by Fort Bragg

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

<b>NO.</b>	<b>CATEGORY</b>	<b>STRATEGY</b>	<b>STATUS</b>	<b>PERSONS RESPONSIBLE</b>	<b>SPECIFIC ACTION</b>	<b>COMMENTS</b>
4	LAND USE	<b>INFILL DEVELOPMENT</b> Continue to promote infill and brownfield development in urban areas, to utilize existing infrastructure and to maintain and/or decrease VMTs by providing multi-modal access	Provisions currently available, which also provide Municipalities' incentives	<b>Jimmy Teal</b> City of Fayetteville  <b>Glen Prillaman</b> Fort Bragg	The City of Fayetteville currently allows Zero Lot Line Subdivision Development which encourages infill, in addition to incentives by way of waiving utility hook-up fees in certain areas.  Rather than change forested area to urban, Fort Bragg will continue to redevelop existing urban land use and do infill development	
5	LAND USE	<b>SHARED PARKING FACILITIES AND CONNECTIVITY</b> There are currently provisions in Municipal ordinances to allow shared parking facilities among specific non-residential uses. Lateral access among businesses is also a requirement in some jurisdictions. These provisions would aid in minimizing the amount of impervious surface, and reduce stop-and-go between adjoining businesses	All local governments should review their parking and lateral access standards to conform to the highest requirements	<b>Nancy Roy,</b> Cumberland County Joint Planning Board  <b>Jimmy Teal</b> City of Fayetteville	Current City of Fayetteville regulations provide for shared parking between churches or movie theaters and adjoining businesses. The Fayetteville Area MPO Driveway Manual (which at this time is more restrictive than the State Manual and addresses lateral access, location of driveways and curb cut spacing) was adopted by the City of Fayetteville and the Town of Hope Mills in 2000. Cumberland County will increase requirements for lateral access as part of its overall Development ordinances revision currently underway.	
6	LAND USE	<b>CONTINUE TO MAINTAIN TREE COVERAGE IN WATERSHED AREAS AND EXPAND LAND ACQUISITION AS PART OF URBAN REFORESTATION</b>	Try to obtain grants to purchase additional land as part of the Urban Reforestation Program. Work with local land trust to solicit land donation for conservation purposes	<b>PWC</b>  <b>Mike Good</b> Forest Services  <b>FAMPO</b> Staff	Policies are currently in place at PWC to maintain tree coverage in watershed areas.  NC Forest Services to do presentations at elementary schools reaching approximately 1,000 students - promoting urban forestry. Will seek grant funding to plant at least 100 trees.  A Public Green Space inventory should be conducted for the entire county through the use of GIS.	

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

NO.	CATEGORY	STRATEGY	STATUS	PERSONS RESPONSIBLE	SPECIFIC ACTION	COMMENTS
7	GOVERNMENT / MOBILE SOURCE	<b>ALTERNATIVE FUELS AND A.F. VEHICLES</b>	Form a Local Governments committee to investigate regional grants and possibilities to provide AFV infrastructure. Explore possibilities to convert current local government fleets to AFV	<b>Irina Johnson</b> Fort Bragg	In conjunction with Fort Bragg, Cumberland County & the Municipalities within the county will develop a plan for alternative fuels/fleets by 12/03 (including state vehicles - DOT) FAST will explore alternative fuels. FORT BRAGG is currently switching to Bio-Diesel for its non-tactical vehicles. One agency on Fort Bragg has been using Biodiesel B20 since April 2003. As many as 160 vehicles should use bio-diesel by 2005. The Fort Bragg Sustainability plan proposes to reduce use of gasoline and diesel in non-tactical vehicles by 70% by 2015 and by 99% by 2025.	
8	GOVERNMENT	<b>DISCOURAGE OPEN BURNING ON OZONE ALERT DAYS (ORANGE OR ABOVE)</b>	Try to develop a policy with local governments within Cumberland County to ban open burning where it is currently allowed. Municipalities within the county already have a "No open Burning" policy in effect. This strategy would work like the seasonal water restrictions.	<b>Mike Good</b> Forest Services  <b>Sally McKinney</b> NC DENR	Promote "Volunteer No-Burning" on bad air days.  Develop a Policy between Fish & Wildlife, NC Forest Services, Fort Bragg, Cumberland County Health Dept. & the Division of Air Quality to address open burning during the ozone season  Educate Local law enforcement agencies and the public that open burning is not allowed in some municipalities, and enforce current standards	
9	GOVERNMENT	<b>PLACING IDLING RESTRICTIONS</b>	May require local and State legislative action. Will require additional power sources for local major events.	<b>Jimmy Teal</b> City of Fayetteville	The City of Fayetteville is currently planning to build a festival park downtown with power sources for local festivals, which should be completed by October 2005	

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

<b>NO.</b>	<b>CATEGORY</b>	<b>STRATEGY</b>	<b>STATUS</b>	<b>PERSONS RESPONSIBLE</b>	<b>SPECIFIC ACTION</b>	<b>COMMENTS</b>
10	MOBILE SOURCE	<b>DISCOURAGE USING OFF ROAD VEHICLES DURING HIGH OZONE ALERT DAYS.</b>	May require legislative action	<b>Vicki Chandler</b> NC DENR  <b>Jimmy Teal</b> City of Fayetteville  <b>Larry Philpot,</b> County Parks & Recreation Director	Discourage off road vehicles/equipment during high ozone alert days. With long range forecasting the local government can better plan utilization of off road equipment and vehicles.	To be investigated: long range forecasting
11	MOBILE SOURCE	<b>RETROFITTING DIESEL SCHOOL BUSES</b>	UNDER CONSIDERATION	<b>Vicki Chandler</b> DAQ	NC DENR is currently applying for "Clean School Bus USA Assistance Agreement". If awarded, DAQ will subgrant funds to school bus fleets throughout the state. The grant program will be entitled "Clean School Bus NC" and modeled after EPA's "Clean School Bus USA" initiative  Cumberland County and Fort Bragg Schools will investigate the Grant for School Buses, upon award to NC DENR	DAQ requested a Letter of Support from the EAC by July 10th
13	MOBILE SOURCE	<b>USING ITS AND DMS FOR CONGESTION MANAGEMENT AND OZONE ALERTS AND OTHER CONGESTION MANAGEMENT TECHNIQUES</b> Intelligent Transportation Systems (ITS) and Dynamic Message Signs (DMS) can aid in the control of traffic flow in congested areas and in the motorists warning in incident management, minimizing idling during peak times and reducing emissions	TIP Project U-3635 Closed Loop Signal System, is currently under construction. This project will provide a new area-wide closed loop signal system and the rehabilitation of the existing computerized signal system. As part of the project, Dynamic Message Signs and cameras will be installed at congested intersections/corridors, to facilitate real time traffic management and motorist warning. The DMS system can also be used for Ozone Alert information.	<b>MPO staff</b>	Expand existing continuous flow right turn lanes in the urbanized area. Request that NCDOT or the City of Fayetteville (depending on who will manage the system) uses DMS in ozone alert days notification (Red and Orange). Traffic reduction and time travel reduction will result by implementing the current ITS project.  Project U-3635 should be completed in 2004	Statistical traffic projections were done by the City and NCDOT at the time of project request and we can obtain the existing information upon request

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

<b>NO.</b>	<b>CATEGORY</b>	<b>STRATEGY</b>	<b>STATUS</b>	<b>PERSONS RESPONSIBLE</b>	<b>SPECIFIC ACTION</b>	<b>COMMENTS</b>
15	MOBILE SOURCE	<b>COORDINATE WITH LOCAL SMARTWAY TRANSPORT CHARTER PARTNERS (IE: COCA COLA, UPS, CSX) FOR THE EARLY DEPLOYMENT OF VOLUNTARY POLLUTION REDUCTION MEASURES</b>	The Air Quality Committee will contact Local offices of the Chartered partners and will request that the voluntary measures agreed upon by Corporate headquarters be implemented in this area expeditiously	<b>MPO staff</b>	EPA can facilitate contact with participating companies upon our request  According to EPA this is short range and quantifiable	
16	MOBILE SOURCE	<b>ENCOURAGE PARK AND RIDE FOR LARGE EVENTS.</b>	Currently being implemented through FAST and Private Transportation providers (ex. Festival of Flight). Provide shuttle at a nominal cost to public. The cost involved must be considered	<b>Glen Prillaman</b> Fort Bragg  <b>Jerome Brown</b> FAST	Already being implemented by Fort Bragg for all large events.  Already being implemented through FAST - will extend to a larger scale.	Decreases VMTs
18	CONSERVATION	<b>USE RENEWABLE ENERGY SOURCES WHEN AVAILABLE (EX: SOLAR AND METHANE)</b>	Cumberland County is currently harvesting methane from the landfill and, through a contract with Biomass Energy, is selling it to supplement the energy needs of Cargill Inc., a local industry	<b>Charles Whittenton,</b> Solid Waste Management Director	EPA informed us that renewable energy like the one the landfill is producing is quantifiable. The fact that the land fill is projecting an increase of production by 2005 is very good and can be quantified by requesting that Mr. Whittenton provides us with the information on projected increase of output.	

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

NO.	CATEGORY	STRATEGY	STATUS	PERSONS RESPONSIBLE	SPECIFIC ACTION	COMMENTS
19	CONSERVATION	<b>FORMULATE CAR AND VAN POOLING</b> <b>INCREASE RURAL TRANSPORTATION PARATRANSIT</b>	UNDER CONSIDERATIONThe Fayetteville Area System of Transit is currently evaluating routes expansion into more dense areas within the metropolitan area. Rural transportation is currently being expanded to connect outlying areas of the county and smaller municipalities with the city core and major shopping areas. Vanpooling and carpooling programs are being advertised by the transit provider. An aggressive awareness campaign could propose transit as an alternate mode of transportation during high ozone days. The Metropolitan Planning Organization is currently in the process of updating the Countywide Transit Plan. Target businesses and industries.	<b>JoAnn Seymour</b> FAST	The Fayetteville Area System of Transit has an on-going effort to meet with local organizations (both public and private), to encourage the use of vanpooling and carpooling. The current round of meeting should be completed by February 2004. At that time, the agencies most likely to participate will have had an opportunity to learn about this program. The Fayetteville Area System of Transit is committed to coordinate the program for participating agencies	
20	CONSERVATION	<b>INCREASE MASS TRANSIT</b>		<b>Jerome Brown</b> FAST	Increase frequency of transit services to 15 minutes headways during peak periods along congested corridors. Expected by 2005. Plans to purchase equipment by 12/04.  Fort Bragg started a shuttle service on June 1, 2003, which provides service around post and connects with the FAST bus every 2 hours.	

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

NO.	CATEGORY	STRATEGY	STATUS	PERSONS RESPONSIBLE	SPECIFIC ACTION	COMMENTS
21a	CONSERVATION	<b>ENCOURAGE CONSTRUCTION OF ENERGY EFFICIENT BUILDINGS, RETROFITTING OF PUBLIC BUILDINGS</b>	The GOODCENTS Housing Program, which was developed nationwide in 1976, promotes the construction of energy efficient homes. The local utility company has been certifying buildings that meet the program standards. Additional advertisement and promotion should encourage residents to prefer energy efficient buildings. Local government efforts to use energy efficient and high albedo material during construction or repair of existing structures, can help in the reduction of heat island effects throughout the urban area. Cumberland county is already exploring possibilities to include white roofing as a standard practice during repair of its buildings. FORT BRAGG is currently implementing energy reduction as indicated by Executive Order 13123 and is currently revising strategies as part of its Sustainability Plan	<b>Glen Prillaman</b> Fort Bragg <b>Bob Stanger</b> County Engineer <b>Steven Blanchard</b> Public Works Commission	A conservation effort directed to builders to construct energy efficient homes will reduce the output needed from fossil fueled power plants. PWC's "Good Cents" housing program is directed at builders who use energy efficient construction such as extra insulation, low-e windows, high SEER heat pumps, etc. Builder receives heat pump rebates and free listing of energy efficient homes for sale in local newspaper each Saturday and on PWC website.  Fort Bragg is participating in a partnership with the Honeywell Corporation to retrofit many of the buildings on Fort Bragg. Some of the energy reduction retrofits include replacing energy inefficient interior/exterior lighting postwide, going to more efficient HVAC systems, and installing new HVAC controls for better energy control and optimum building performance. As Fort Bragg constructs new homes and retrofits older homes as part of the housing privatization effort known as Residential Communities Initiative, all the homes will be "ENERGY STAR" homes. In addition, Fort Bragg will rate all of its Military Construction Army projects (which total about \$100 to \$150 M in projects per year) using the Sustainability Project Rating Tool (SPiRiT). Projects are rated for sustainability in eight facility categories--one of which is Energy and Atmosphere.  Cumberland County will review Fort Bragg Model.	
21b	CONSERVATION	<b>ENCOURAGE CONSTRUCTION AND USE OF ENERGY EFFICIENT EQUIPMENT. PROMOTE PURCHASE OF "GREEN" (LESS POLLUTING) PRODUCTS</b>		<b>Glen Prillaman</b> Fort Bragg <b>Bob Stanger</b> County Engineer	Fort Bragg is implementing energy reduction strategies including low NOX burners in new major emissions sources. Installation has also been encouraging the use of water-based paint in booths to reduce VOC production, and the latest paint booth installed will utilize only water-based paint. Bragg has also initiated a study this summer to find viable alternatives to use of two incinerators, which will reduce general emissions and particulates.	

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

NO.	CATEGORY	STRATEGY	STATUS	PERSONS RESPONSIBLE	SPECIFIC ACTION	COMMENTS
23	AWARENESS	<p><b>STUDENT OUTREACH THROUGH EDUCATION SYSTEMS</b> Educate future and new drivers in minimizing impact of motor vehicles on the environment, particularly during the ozone season. Teach students about trip chaining, stop gassing at the click and fill up after 6 pm, and avoid mowing the lawn during the day on high ozone days. Also check ozone forecasts daily and visit available web sites to get tips</p>	Currently under way and expanding at local schools. The "Ten simple steps" of "It All Adds Up to Cleaner Air" and the "Easy Breather" video are being used as tools; PWC currently does conservation education through their billing system. Local utilities are in the process of including the ten simple steps and/or ozone articles in their bills.	<p><b>JoAnn Seymour</b> FAST  <b>Kathy McGuire</b> FAMPO staff</p>	Currently in progress and expanding to all school levels	Not only reaches student, but parents as well.
24	AWARENESS	<p><b>PUBLIC EDUCATION/OUTREACH AT COMMUNITY EVENTS &amp; CHURCHES</b> Participate in organized events to educate the public in ways to reduce pollution during the ozone season and advertise the local web page that provides air quality information and relevant links. Provide the general public with the tools to remain informed and participate in community meetings and planning related to air quality issues. Foster good citizenship by providing a forum to learn and discuss several methods to improve air quality in the region</p>	ON-GOING PROMOTING THE TEN SIMPLE STEPS	<p><b>JoAnn Seymour</b> FAST  <b>Mitzi Champion,</b> Cumberland County Public Information Director  <b>Jason Brady</b> City of Fayetteville  <b>Kathy McGuire</b> FAMPO Staff</p>	FAST will spearhead mass transit and other modes presentations at local schools and in the community beginning in the Fall 2003. FAST has coordinated a "Try Transit Event" for July 12th, which encourages the community to try mass transit. The cost is \$.10 - The event Headquarters, with promotional broadcasting, is located at 147 Old Wilmington Rd., the transit transfer point. "TRY TRANSIT" is an annual event.	



**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

<b>NO.</b>	<b>CATEGORY</b>	<b>STRATEGY</b>	<b>STATUS</b>	<b>PERSONS RESPONSIBLE</b>	<b>SPECIFIC ACTION</b>	<b>COMMENTS</b>
25	AWARENESS	<b>AUTO NOTIFICATION OF OZONE ALERT FROM RALEIGH TO INDUSTRIES AND BUSINESSES IN CUMBERLAND COUNTY</b>	Major employers have been contacted in the area. Also, FAST is currently organizing meetings with major employers to explore and expand on car/van pool alternatives.  Decreases Vehicle Miles Traveled (VMTs)	<b>Sally McKinney</b> NCDENR		Discuss with Stakeholders about getting information out to businesses.
26	AWARENESS	<b>SPEAKERS BUREAU</b> Participate in radio/television programs to reach the general public with air quality information and tips, advertise meetings and involve the local newspapers and churches in disseminating information which can help the public in implementing voluntary emission reduction strategies.	Already available. Staff has participated in TV programs broadcasted by the local Community channel and updated episodes will take place on a monthly basis during ozone season. Speakers' participation in radio broadcast and newspaper interviews are being coordinated at this time. Speakers have attended and will continue to attend organizations' meetings upon invitation to provide information and educational material on air quality and ozone	<b>Jerome Brown,</b> FAST <b>Nancy Roy</b> <b>Dr. Clareto Pang</b> <b>Jimmy Teal</b> <b>Sally McKinney</b> <b>George Autry</b> <b>Joe Stancar</b> <b>Stakeholders</b>	Cumberland Count Staff to develop a short Air Quality powerpoint presentation that will be used by the speakers bureau.  Stakeholders will assist by scheduling speaking events.	
27	AWARENESS	<b>AIR QUALITY WEB PAGE/PUBLIC INFORMATION</b> Maintain the current Air Quality Web Page by publishing up to date information on ozone issues. Distribute printed material, through bulk mailing, that outlines simple voluntary emission reduction actions	Staff has implemented an aggressive program to educate and motivate the public to take specific actions to minimize pollution. The current web page at www.FAMPO.org has a link to air quality information and DENR's daily Air Quality Index. Printed material with the "Ten Simple Steps" will be periodically mailed with utility bills and school information. The official Cumberland County web page also has a link to air quality information	<b>Kathy McGuire</b> FAMPO staff	Contact has been made with various radio stations. Continue contacting stations for support in releasing Air Quality Index, 10 Simple Steps, or short Public Service Announcements. Web Page has been established since March 2003 and is being maintained with up-to-date information. Continue working with Cable Vision (our local community program TV Channel) to continue airing Air Quality information.  Currently working with radio stations to participate in live interviews on talk-shows	104.5 started broadcasting AQ information and sports on July 3, 2003

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

NO.	CATEGORY	STRATEGY	STATUS	PERSONS RESPONSIBLE	SPECIFIC ACTION	COMMENTS
28	AWARENESS	<b>PROMOTE BUS RIDERSHIP FOR YOUTH</b> - Fayetteville Area System of Transit (FAST)	Currently in place. FAST currently promotes bus tours for children of all ages; educating them on how to use the transit system and promoting better health with regards to using public transportation. Also, different organization have tours for the children (ex. Boys and Girls Club) and giving them free one way bus passes.	<b>JoAnn Seymour</b> FAST	Tours already conducted by FAST and continuing through Fall 2003. Presentations to area students (Pre K - 12) RE: Bus Ridership.	
29	AWARENESS	<b>CONTINUE AIR QUALITY EDUCATIONAL SYSTEM AT LOCAL LIBRARIES</b>	Currently in place. Initiated contact with Cumberland County's Library to jointly develop an educational plan. Brochures and handouts are on display at the main library.	<b>Kathy McGuire</b> FAMPO staff	Currently in place. Contact has been made and brochures have been distributed throughout all seven branch libraries. Display case is set up at main library showing brochures and advertisements. Childrens summer program will begin 06/04	
31	AWARENESS	<b>CONDUCT AN AGE APPROPRIATE SCHOOL POSTER/MASCOT/ESSAY CONTEST. DEVELOP AN AIR QUALITY WEEK TO KICK OFF THE OZONE SEASON</b>	Develop guidelines for poster/essay contest and the mascot to become the spokesperson for Cumberland County	<b>Alvin Bess</b> FAST <b>Cumberland County Representative</b> <b>George Autry</b> 4H Club Arts Council Boys and Girls Club Veterans of Foreign Wars	<ul style="list-style-type: none"> <li>- Set up program guidelines for the contests</li> <li>- Seek sponsors to assist in financially supporting the mascot contest</li> <li>- Solicit sponsors for awards</li> <li>- Have County Board of Commissioners declare an Air Quality week in April 2004</li> <li>- Solicit Resolutions of Support of air quality week from all municipalities in the county</li> <li>- Establish awards selection groups</li> <li>- Awards will be presented by Stakeholders</li> </ul>	Investigate a regional approach. Check with Raleigh.

**AIR QUALITY STAKEHOLDERS OF CUMBERLAND COUNTY  
PROPOSED IMPLEMENTING STRATEGIES  
AND RESPONSIBILITY  
JULY 10, 2003**

**LONG RANGE STRATEGIES  
TO BE REVIEWED/IMPLEMENTED  
AT A LATER DATE**

22	CONSERVATION	<b>EXTEND PUBLIC TRANSPORTATION TO UNSERVED AREAS</b>		Stakeholders City of Fayetteville Cumberland County	Plans are currently being developed to expand existing services. An implementation timeline will be developed.	
12	MOBILE SOURCE	<b>PARTICIPATE IN REGIONAL INITIATIVE TO SEEK EARLY INTRODUCTION OF ULTRA-LOW SULFUR DIESEL FUEL</b>	UNDER CONSIDERATION			Work with DENR and other EAC participants in the State
14	MOBILE SOURCE	<b>LOCAL GOV'T CONSTRUCTION PROJECTS GIVE PREFERENTIAL CONSIDERATION TO CONTRACTORS WHO GUARANTEE LOWER EMITTING EQUIPMENT</b>	Local Governments are currently reviewing standards for contracts, to decide if a policy or ordinance amendment shall be required to implement this strategy			
17	CONSERVATION	<b>REDUCING ENERGY USE THROUGH RECYCLING, COMPOSTING, USE OF MORE EFFICIENT HEATING AND A/C UNITS</b>	UNDER CONSIDERATION Cumberland County has 17 recycling sites throughout the county, with each resident of the entire county within a 6 mile radius from a center. Recycling is still a voluntary program in this area. Fort Bragg has an aggressive recycling program, as part of its Sustainability plan. Fort Bragg's goal is to reach a Landfill waste of 0% by 2025.			
30	AWARENESS	<b>INSTITUTE A "GOOD AIR QUALITY SEAL OF APPROVAL" FOR BUSINESSES AND INDUSTRIES WITHIN CUMBERLAND COUNTY</b>	Developing criteria/guidelines for recognition. Explore ways to entice participation			