# Harnett County Parks and Recreation Department

# Government Complex Park Master Plan



Prepared By:



Engineering • Planning • Finance

August, 2014

# Acknowledgements

# **Harnett County Board of Commissioners**

Joe Miller, Chair Gary House, Vice Chair Jim Burgin, Commissioner Beatrice Hill, Commissioner Gordon Springle, Commissioner

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# Section 1

# **Project Overview**

In 2007 Harnett County developed and adopted a comprehensive parks and recreation master plan. This document served as a guide to developing and implementing future park and program improvements for the County Parks and Recreation Department. As part of the master plan, recommendations included the development of a Sports Complex central to Harnett County to serve the growing population and anticipated demand for recreational amenities in the area.

Since the system-wide master plan was completed, the County has been in the process of implementing various components and recommendations from the plan. In 2014, the County hired McGill Associates to prepare a site specific park master plan for County owned property. A Park Steering Committee was formed to serve as oversight and assist with developing recommendations of the park during the planning process.

As part of the planning process, McGill Associates developed a program to solicit community input on the project. A parks and recreation survey was conducted to gather input on facility and programming needs in the County. In addition, community meetings were held to discuss the project and gather insight from the participants. Meetings were also held with the Park Steering Committee.

Utilizing the input from the community and the Steering Committee, a master plan was created for the property that meets the current needs and recreation trends of the community.

**END OF SECTION** 

# Section 2

# Site Analysis

# General

The park site is located in Harnett County within the limits of the Town of Lillington. The site consists of two parcels currently owned by Harnett County. The acreage dedicated to the park is currently undeveloped and consists of both wooded areas and clear open space. The site is adjacent to developed and undeveloped tracts of land and is bordered to the south by the Cape Fear River.

The total tract is approximately 202 acres which includes several County Buildings such as Social Services, Health Department, Sheriff Department, and other public buildings. These areas take up about 60 acres of the 202.

There are approximately 35 acres east of the railroad that will focus on agricultural events, fairground, cultural events, and more with approximately 7 acres of this area consisting of clear open space.

West of the railroad is about 107 acres to be used for athletic fields, playgrounds, and more traditional recreational amenities and facilities. Approximately 28 acres of land in this area is currently clear open space.

# **Manmade Factors**

## Zoning

The site consists of four different zoning classifications, open space, heavy industrial, office-institutional and general business. The adjoining parcels are zoned open space, office-institutional, heavy industrial and general business. The majority of the site is zoned as open space, with the next largest portion adjacent to rail right of way designated as heavy industrial.

### Rail

There is an existing Norfolk Southern rail line that runs in a north to south direction that bisects the property. Any crossings will need to be coordinated and approved by the Norfolk Southern.

# Surrounding Land Use

The site is bordered to the west with undeveloped open space. The southern edge of the property is adjacent to the Cape Fear River. The northern tip of the property abuts the Norfolk Southern Rail right of way. The eastern edge of the property is adjacent to a mix of uses, which include an industrial site, government facilities, the

Sandhills Farm Park (County owned and leased to the Sandhills Farm Club), open space and US Highway 401.

### **Utilities**

The property has both water and sewer available. The sanitary sewer crosses the property roughly parallel with the Cape Fear River. A 12" domestic water line is located along Alexander Drive and the site currently has 6", 4" and 2" lines.

# **Existing Structures**

The parcels designated by the PIN numbers do contain existing government buildings and associated parking. The park project area limits do not contain any existing structures.

### **Natural Features**

# **Topography**

The topography for the overall site ranges from a half percent adjacent to the river to twelve percent adjacent to the jurisdictional streams. Average slopes across the site not adjacent to the river are in the two to six percent range.

A majority of the lower areas adjacent to the river area are relatively flat and prone to flooding after heavy rains.

# Hydrology/Drainage

The site is adjacent to the Cape Fear River and is located in the Cape Fear River Basin. Based on information obtained from the USGS topographic map and the USDA soil survey mapping there are several jurisdictional streams located on the site. There are also several streams that feed into the existing wetlands from the adjacent properties.

There is an existing pond located in the southern portion of the property that drains to the Cape Fear River. Ultimately all of the drainage from the site exits the property into the river. The site is broken up into multiple parts due to the existence of the jurisdictional streams, pond and existing wetlands.

The majority of the site is located in the Special Flood Hazard Areas subject to inundation by the 1% (100 year) annual chance of flood.

Floodway regulation per the local ordinance will allow for development within the floodplain if it is recreational use.

### Wetlands

As part of the site analysis, wetland information was obtained from USGS Topographic maps and the US Fish and Wildlife Service, National Wetlands Survey Mapping. There are significant wetlands located on site toward the western and southern portions of the site. The wetland areas onsite consist of freshwater emergent and freshwater forested/shrub.

# Vegetation

The majority of the site is wooded. A large portion of the wooded areas contain hardwood forest with only a few pocket areas containing pine forest growth There is an open space field that is easily accessible from the government facilities located along McKinney Parkway. There are additional open space fields located closer to the river that were previously used for agricultural purposes.

### Soils

As part of the site investigation soil information was obtained from the USDA soil survey mapping. The site has a variety of soils present. The western and southern areas of the property along the river mainly consists of Chewacla - Congaree loams (Ch) and Wehadkee loam (Wh) which are both determined to flood frequently. The northern and eastern portions of the property are mix of fine sandy loam, sandy loam and loamy sand. The fine sandy loams consist of Augusta (Au), Exum (ExA), and Wickham (WkD). The sandy loam is designated as Marlboro (MaB). The loamy sands consist of Norfolk (NoB and NoC) and Wagram (WaB). Coxville loam (Co) and Roanoke loam (Ro) run parallel with two of the main jurisdictional streams on the site. Soils on the site are designated as moderate to high for corrosion of concrete and steel. For the construction of paved roads the Norfolk sandy loam and Wagram loamy sand are designated as not limited, the remainders of the soils are designated as somewhat to very limited.

**END OF SECTION** 

# Section 3

# **Community Input**

# **Community Meetings**

To facilitate community input, three public meetings were conducted during the initial phase of the Master Plan process. These workshops were held at different locations in the County. The workshops were held on three separate occasions in order to offer multiple opportunities for residents to voice their opinions on the topic of recreation. The first community meeting was held at the Lillington Easter Hop'in and Egg Hunt at Lillington Park on April 17th, the second meeting was during the May 2<sup>nd</sup> Relay for Life Cancer Walk at Campbell University. The third and final community meeting was held at Harnett County Government Complex on US 401. A Survey/Questionnaire was made available online as well to provide another method to gain public input. In total there were 417 survey participants representing approximately 1,400 individuals.

Participants were given a questionnaire at the first two workshops. The final meeting was an open house to review the draft Master Plan and solicit opinions regarding the proposed design. The questionnaires solicited participant views on needed recreational amenities and programming in Harnett County. Questions were also asked about funding and the types of parks they envisioned for their County's future. Along with the questionnaires, participants were encouraged to participate in map exercises aimed at identifying and locating any desired amenities.

Specific discussion concerning what participants wanted to see at the proposed Harnett Recreational Park and what concerns they may have with the development of the park resulted in the following summary:

### Needs:

Cape Fear River access
Walking trails
Additional athletic fields
Passive recreation opportunities
Multi-use Events Facility
Dog Park
Farmer's Market
Gym

### Concerns:

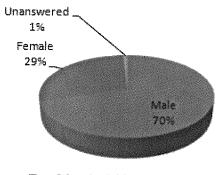
Wetland Preservation Parking Availability Security Efficient use of space

# **Community Meetings Questionnaire**

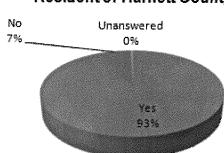
Participants in the Community Meetings were also asked to fill out a two page questionnaire (one page - front/back). Most of the questions concerned the development of the Harnett County Recreation Park. Some questions were

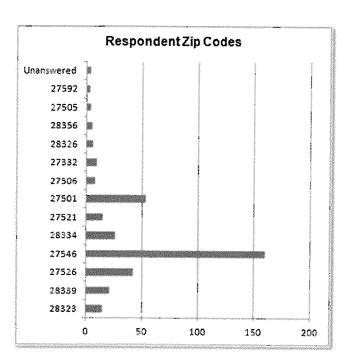
designed to provide the Harnett County Recreation Department with public opinion concerning the County Recreation System as a whole. The following graphics represent the survey questions and results :

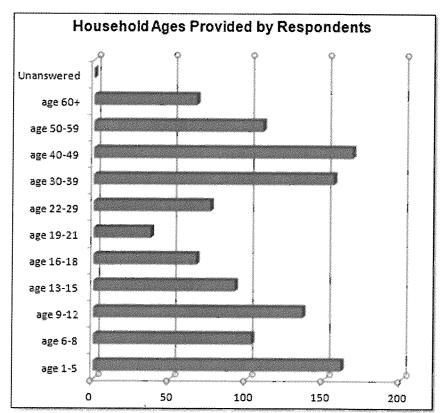


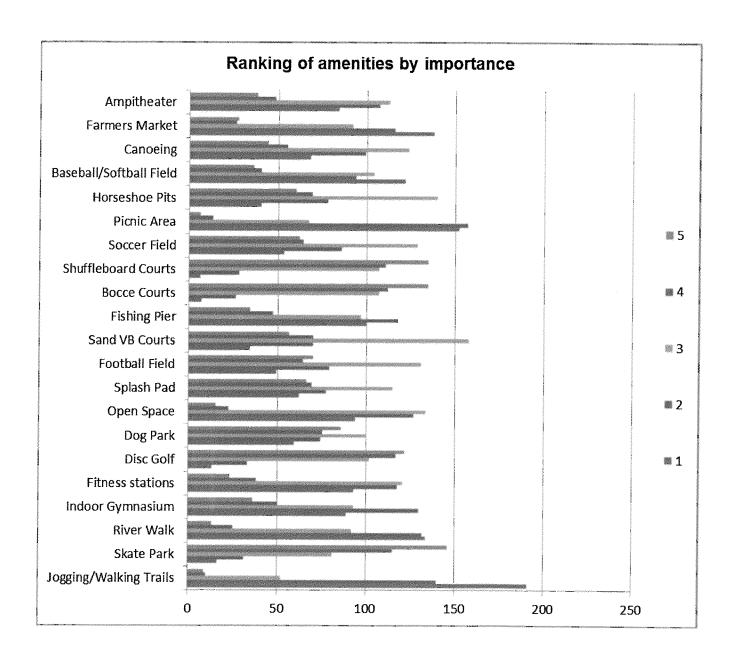


# **Resident of Harnett County**

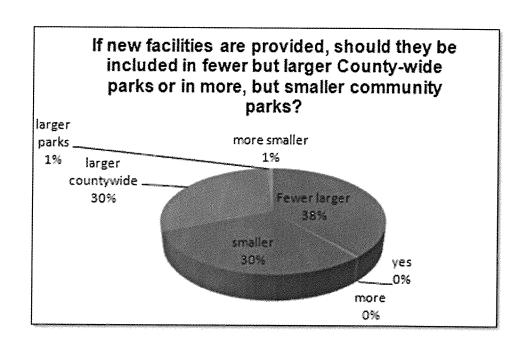


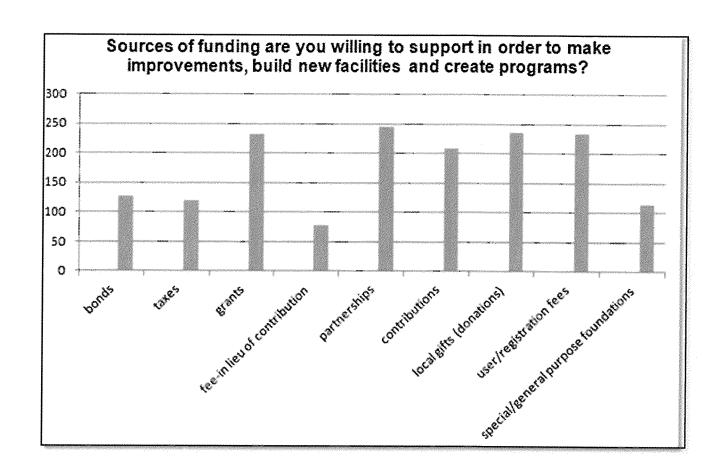






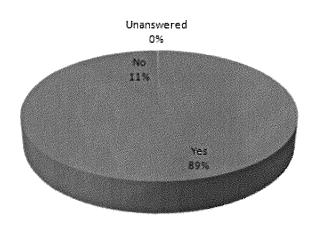
A majority of respondents ranked jogging/walking trails as the most important amenity for the new park to have followed by picnic areas, a river walk, Farmer's Market, and baseball/softball fields.

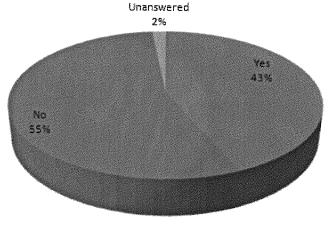




# Would you be willing to pay a nominal fee to attend an event or use a special facility?

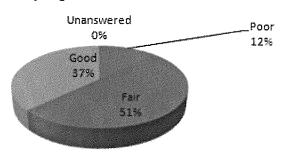
# Do you use any school or private facilities for recreation or leisure activities?



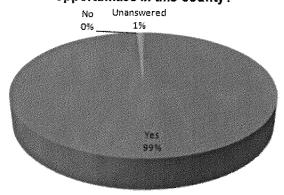


Most respondents were in support of paying a nominal fee to attend an event or use a special facility.

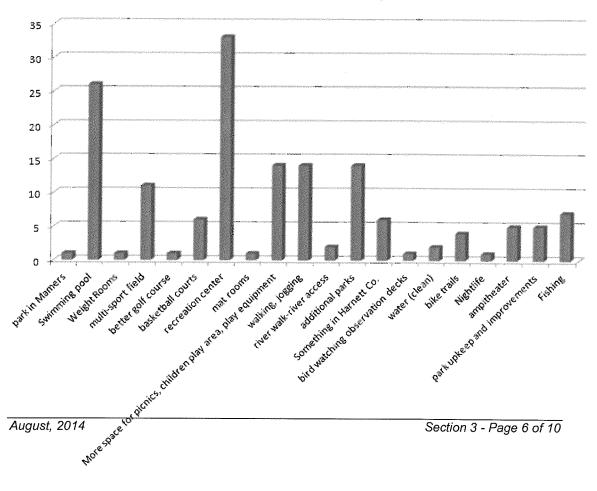
Overall how would you rate the existing programs offered?



Would you favor or oppose expanding recreational opportunities in this county?

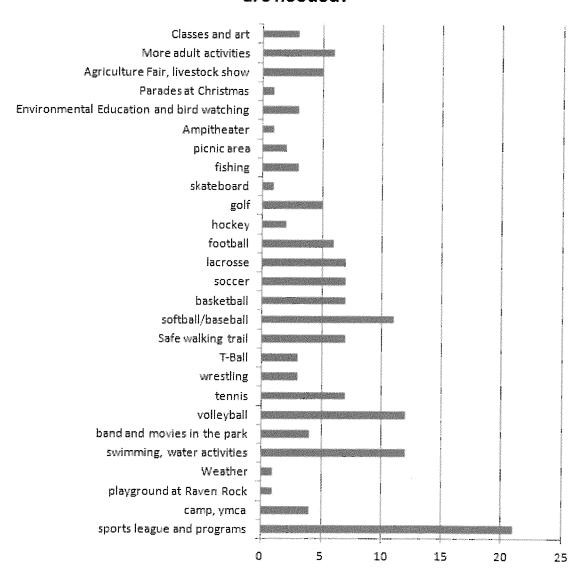


What, if any, new park and recreation facilities are needed in the County?



Many respondents felt that a recreation center and swimming pool were needed in the County.

# What, if any new County-wide recreation programs are needed?



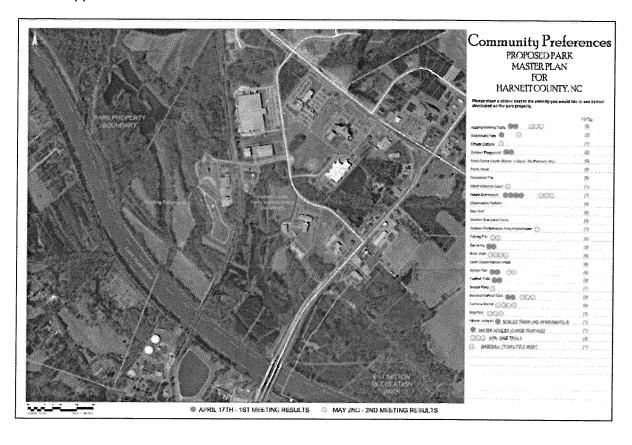
Sports leagues and programs ranked high among survey participants.

# **Participant Preferences Map Exercise**

Participants at each of the two initial community meetings were asked to take part in a preference exercise. Maps of the undeveloped park site were presented along with pens and stickers. The participants were asked to use the stickers to vote for what amenities they desired. If an option they wanted was not listed they had the opportunity to write in what they wanted. The participants were encouraged to discuss their concerns and ideas with others at the meeting.

# **Group Exercise Results**

The following map is a composite of each separate meeting map showing the total responses for each amenity. A larger version (11x17) of this image is available in the appendix.



It is very clear from the above remarks that the participants desire a broad range of recreation amenities. Some of these are walking trails, athletic fields, and a farmer's market. The participants also support the idea of a gym and dog park.

# **Summary of Survey Findings**

# Community desired recreation facilities

The survey data provided support for the development of trails, athletic fields, a farmer's market, recreation center, access to the water, picnic and playground areas, etc.

## **Future Needs and Facilities**

Respondents to the survey felt that trails and active recreation facilities were the most important of their recreation needs. There was also support for a number of non-traditional amenities as well. Those included the farmer's market and water based features such as the River-walk, fishing piers, and water access. The majority of respondents support paying a nominal fee for events and the use of a special recreation facility such as a special events facility.

# **Community Input Summary**

The community input program of community meetings, public survey, and community preference activity served to provide a comprehensive look at the recreational needs and concerns of the community participants. The three elements of the program point to a clear desire for trails. Athletic facilities such as ball fields, walking/jogging trails, and an indoor gymnasium were also important to participants. Concerns that were expressed dealt mainly with having enough parking, wetland preservation, and security.

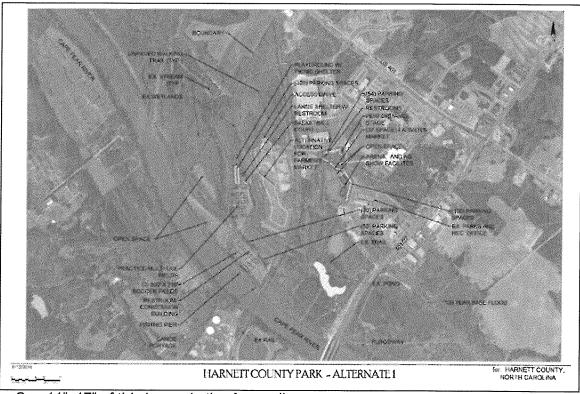
**END OF SECTION** 

# Section 4

# Preliminary Concept Plans and Public Involvement

# **Program Description**

Utilizing information from the site analysis and from input from the public meetings and survey/questionnaires, McGill Associates began developing the alternate plans for park development. Based on the input from the community, project oversight group, and the Parks and Recreation Department, McGill Associates was able to develop the purpose and need for the park as well as how the public would use the park.



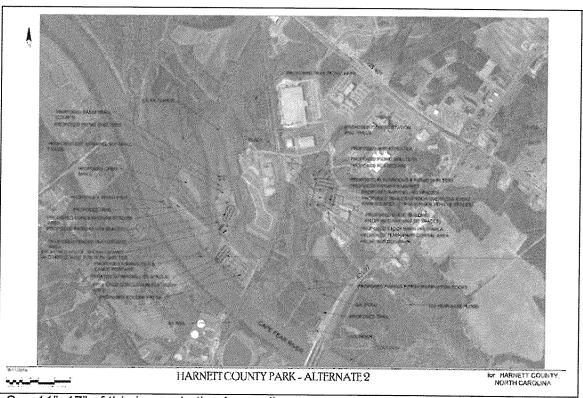
See 11"x17" of this image in the Appendix

The purpose of this park should be to serve the local community and Harnett County residents with multiple recreational amenities. The strategic planning elements of the park should offer a variety of activities compatible with athletics while also preserving of natural areas and provide area to accommodate or expand the existing County Fairgrounds. The County has a need for active recreation facilities in this portion of the County. Soccer, football, and baseball facilities are in

demand according to County Staff. There is also a desire from the community to provide open space and incorporate passive recreational amenities such as walking trails, picnic areas, and canoeing according to information collected at the public meetings. Other park elements that complement the park are unstructured play opportunities in open areas and taking advantage of the existing open space.

In addition to the traditional recreation amenities planned for the park property, the addition of a farmer's market and agricultural show spaces were incorporated into park design alternatives. Agricultural exhibit buildings which could accommodate a wide variety of indoor uses, the Farmer's Market, and office and rental space were added to the east side of the property adjacent to McKinney Parkway and near the existing County Public Utilities Building. This portion of the complex would also be utilized as a location for the County Fairground.

Alternative plans were developed that included a combination of park amenities composed of active recreation and passive recreation. These designs focused on the feedback from the community meeting, questionnaire/survey, project oversight group, and the Parks and Recreation Department. The alternate plans were similar with a balance of active recreation and passive recreation.



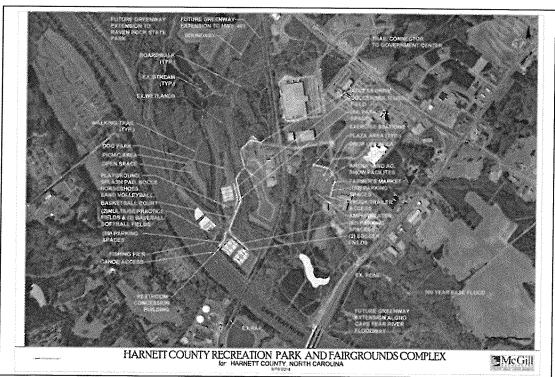
See 11"x17" of this image in the Appendix

The heart of the park design proposes a County Multi-Use Facility and Farmer's Market which would offer valuable space for special events and opportunities for

revenue generation from renting space for private events. Other important aspects of the master plan included traditional recreation amenities like ball fields and play equipment. A trail system that could include both paved and natural surfaces was included to tie all the park areas together. All three schemes include a significant amount of the property to be preserved as trails and natural areas. The differences between the original two alternatives included the size and magnitude of the agricultural show buildings, the number of and location of ball fields and parking lots, and the location of the Farmer's Market. There were also differing ideas of what natural areas (forest and wetlands) to preserve. These areas have a wide variety of flora and fauna that offer opportunities for nature/eco-educational signage, bird watching, as well as walking/jogging/hiking trails, but not traditional athletic programming.

The Park property was designed to be able to accommodate the joint-use programming and space needs for the County Fair.

Once the different schemes were presented to the Master Plan Steering Committee, the group chose one of the alternates with minor refinements. Once the design was revised, a public meeting was scheduled offering the community an opportunity to review the revised alternate of the master plan and offer additional input.



See 11"x17" of this image in the Appendix

The third and final alternative design sought to balance preservation and visitor recreational opportunities. These areas may serve as areas where future park amenities can be expanded to include additional ball fields, or to remain as natural, open areas.

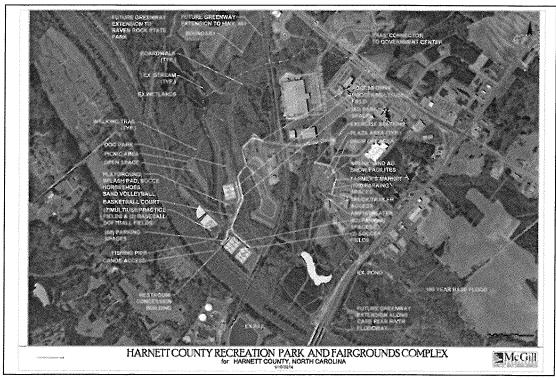
The final design integrated trails and preservation areas with multiple other park elements consisting of soccer fields, a multi-purpose field, a 200' and a 300' baseball/softball field, picnic areas, splash pad, basketball courts, playground, canoe portage, fishing pier, restrooms, a concession stand, and ample paved parking. Proposed athletic fields were intentionally limited to two (2) primary soccer fields, which can be broken into multiple smaller fields, in order to limit the amount of impact to the site.

# **Physical Needs**

Capital improvements will be necessary in order to develop, operate, and maintain a park facility of this degree. Entrance road improvements and parking areas are essential to provide safe access for park visitors. In addition, the existing site utility infrastructure will have to be extended to serve the proposed building structures and athletic fields. These capital improvements will provide service to restroom/concession facilities as well as park lighting and communications. Waterlines and electrical service will also be required for the athletic field in regards to irrigation and sports field lighting.

**END OF SECTION** 

# **Final Master Plan**



### **Final Site Master Plan**

See 11"x17" of this image in the Appendix

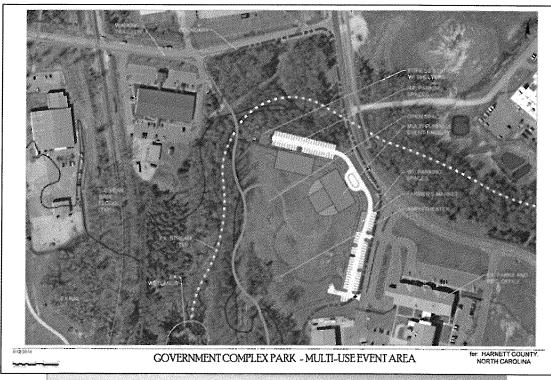
Based on the response from County Staff and input from the public meeting, the Steering Committee decided that a slightly revised version of Alternate 3. This revised master plan closely reflects the needs of the parks and recreation department and meets many of the desires of the community as expressed in the public meetings.

### Multi-Use Facility and Farmer's Market

It was felt that this proposed plan is sensitive to the surrounding area and is respectful to the existing nature and land resources and also provides many of the recreational amenities that are typically found in active community parks. The park design allows for two distinct but integrated areas. The first area is the multiuse multi-purpose building/farmers market space and then secondly the more traditional recreation area.

In addition to the refinement of the recreation all park amenities, the farmer's market and the Multi-use facility was further developed. The proposed facility has

approximately 30,000 SF of space for a variety of uses, approximately 108 parking spaces, a drop off area, truck/trailer access, plaza area for outdoor functions, an outdoor amphitheater, designated farmer's market in parking lot with freestanding awning/roof structure, attractive landscaping, connectivity to the greater park via paved trails, and open space for outdoor programming and events.

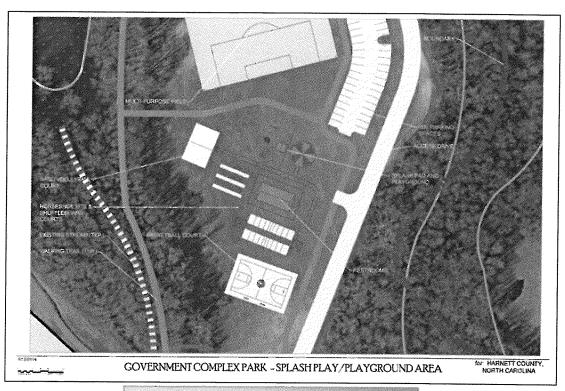


Multiuse Facility/Farmer's Market Area

# **Traditional Recreation Areas**

The proposed recreational amenities in the revised alternate (see image below) included: two soccer fields with restroom/concession building, 225 parking spaces, a multi-purpose athletic field, playground w/ restroom building, basketball court, sand volleyball court, horseshoe pits, bocce ball court, (2) baseball/softball fields, fishing pier, canoe access, a dog park area with separate areas for both large and small dogs, and approx. 4.35 miles of walking/jogging trail (park total) of this trail; 2,200 linear feet are composed of wooden boardwalk.

See images below



# **Traditional Recreational Areas (1)**



**Traditional Recreational Areas (2)** 

# **Preliminary Opinion of Probable Costs**

A preliminary analysis of probable cost was developed for the Master Plan. The anticipated cost (in today's dollars) for the entire Government Complex Park is approximately \$9,633,575. This estimate includes all proposed elements for the Park including the Multi-Use Event buildings, parking and utilities. It should be noted that this estimate is based on master plan level design; final construction documents will have to be completed in order to present a more accurate cost estimate.

Below is a breakdown of each area within the Master Plan:

OPINION OF PROBABLE COST (CONTRACTOR'S WORK ITEMS)

# Harnett County Government Complex Master Plan Harnett County, NC

PREPARED BY McGILL ASSOCIATES, P.A.

Market Structure         1         LS         \$35,000         \$35,00           Amphitheater         1         EA         \$100,000         \$100,00           Parking - Asphalt         5,050         SY         \$30         \$151,5           Curb and Gutter         2,520         LF         \$25         \$63,00           Sidewalk         26,500         SF         \$3         \$79,50           Brick Pavers         5,800         SF         \$15         \$87,00           Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$30,000         \$36,00           Sewer         1         LS         \$38,000         \$38,00           Stormwater         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         <		Multi-Use F	acility			
Market Structure         1         LS         \$35,000         \$35,00           Amphitheater         1         EA         \$100,000         \$100,00           Parking - Asphalt         5,050         SY         \$30         \$151,5           Curb and Gutter         2,520         LF         \$25         \$63,00           Sidewalk         26,500         SF         \$3         \$79,50           Brick Pavers         5,800         SF         \$15         \$87,00           Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$8,000         \$8,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$			1	LS	\$3,500,000	\$3,500,000
Amphitheater         1         EA         \$100,000         \$100,0           Parking - Asphalt         5,050         SY         \$30         \$151,5           Curb and Gutter         2,520         LF         \$25         \$63,00           Sidewalk         26,500         SF         \$3         \$79,50           Brick Pavers         5,800         SF         \$15         \$87,00           Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$20,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         <			1	LS	\$35,000	\$35,000
Curb and Gutter         2,520         LF         \$25         \$63,00           Sidewalk         26,500         SF         \$3         \$79,50           Brick Pavers         5,800         SF         \$15         \$87,00           Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$25,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS			1	EA	\$100,000	\$100,000
Sidewalk         26,500         SF         \$3         \$79,50           Brick Pavers         5,800         SF         \$15         \$87,00           Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$25,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00			5,050	SY	\$30	\$151,500
Brick Pavers   5,800   SF   \$15   \$87,00			2,520	LF	\$25	\$63,000
Site Lighting         14         EA         \$2,000         \$28,00           Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$55,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$25,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00			26,500	SF	\$3	\$79,500
Water         1         LS         \$25,000         \$25,00           Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$20,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00	·······		5,800	SF	\$15	\$87,000
Picnic Shelters         2         EA         \$20,000         \$40,00           Fitness Area Concrete Pad         1         LS         \$5,000         \$5,00           Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$20,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00	Site Lighting		14	EA	\$2,000	\$28,000
Fitness Area Concrete Pad			1	LS	\$25,000	\$25,000
Fitness Stations         1         LS         \$25,000         \$25,00           Park Signage         1         LS         \$20,000         \$20,00           Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00			2	EA	\$20,000	\$40,000
Park Signage         1         LS         \$20,000         \$20,000           Sewer         1         LS         \$8,000         \$8,000           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00		crete Pad	1	LS	\$5,000	\$5,000
Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00			1	LS	\$25,000	\$25,000
Sewer         1         LS         \$8,000         \$8,00           Stormwater         1         LS         \$40,000         \$40,00           Landscape & Seeding         1         LS         \$38,000         \$38,00           Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00	Park Signage		1	LS	\$20,000	\$20,000
Landscape & Seeding	Sewer		1	LS	\$8,000	\$8,000
Clear and Grub	Stormwater		1	LS	\$40,000	\$40,000
Clear and Grub         4         AC         \$2,500         \$10,00           Erosion Control         1         LS         \$15,000         \$15,00           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,00		eding	1	LS	\$38,000	\$38,000
Erosion Control         1         LS         \$15,000         \$15,000           Misc. (Benches, Trash Receptacles, Fountains)         1         LS         \$15,000         \$15,000			4	AC	\$2,500	\$10,000
Misc. (Benches, Trash Receptacles, Fountains) 1 LS \$15,000 \$15,00	Erosion Control		1	LS	\$15,000	\$15,000
Cradina	Misc. (Benches, 1	rash Receptacles, Fountains)	1	LS	· · · · · · · · · · · · · · · · · · ·	\$15,000
			1	LS	\$60,000	\$60,000

# OPINION OF PROBABLE COST (CONTRACTOR'S WORK ITEMS)

# Harnett County Government Complex Master Plan Harnett County, NC

# PREPARED BY McGILL ASSOCIATES, P.A.

NO. DESCRIPTION QTY. UNITS UNIT COST   TOTAL

Trails - Paved	4.050	<del>  ~  </del>		
	1,950	SY	\$24	\$46,800
Trails - Boardwalk (8')	2,200	LF	\$250	\$550,000
Erosion	1	LS	\$35,000	\$35,000
Sub-total				\$631,800

Sport Co	mplex			
Park Signage	1	LS	\$20,000	\$20,000
Picnic Shelters	9	EA	\$20,000	\$180,000
Picnic Shelters - Large with Restroom	1	EA	\$150,000	\$150,000
Playground	1	AL	\$100,000	\$100,000
Splash Pad	1	AL	\$130,000	\$130,000
Small Game Courts	1	AL	\$30,000	\$30,000
Drive and Parking	14,800	SY	\$30	\$444,000
Wheelstop	225	EA	\$35	\$7,875
Sidewalk	3,000	SF	\$5	\$15,000
Dog Park	1,700	LF	\$14	\$23,800
Basketball	1	EA	\$50,000	\$50,000
Soccer Field - Practice	1	EA	\$60,000	\$60,000
Restroom and Concession	1	EA	\$150,000	\$150,000
Fishing Platform	1	EA	\$20,000	\$20,000
Small Boat Launch	1	EA	\$25,000	\$25,000
Site Lighting	24	EA	\$2,000	\$48,000
Water	1	LS	\$84,000	\$84,000
Sewer	1	LS	\$28,000	\$28,000
Stormwater	1	LS	\$100,000	\$100,000
Landscape & Seeding	1	LS	\$43,000	\$43,000
Erosion Control	1	LS	\$65,000	\$65,000
Grading	1	LS	\$150,000	\$150,000
Misc. (Benches, Trash Receptacles, Fountains)	1	LS	\$20,000	\$20,000
sub-total				\$1,943,675

# OPINION OF PROBABLE COST (CONTRACTOR'S WORK ITEMS)

# Harnett County Government Complex Master Plan Harnett County, NC

## PREPARED BY McGILL ASSOCIATES, P.A.

NO.	DESCRIPTION	QTY.	UNITS	UNIT COST	TOTAL
daseball/S	oftball Field Construction - (1) 300' fields (1) 200'				
	Field-Laser grading, Sand, Sod, Pitchers Mound, etc.)	2	EA	\$80,000	\$160,00
	Dugouts	4	EA	\$2,500	\$10,00
	Scoreboards	2	EA	\$5,000	
	Benches and Bleachers	2	EA	\$6,250	
	Field Bermuda sod and growth-in	2	EA	\$40,000	
	Field Fencing	1	LS	\$45,000	
Sub-total					\$317,50
VII. 100 MILES OF THE STREET					<b>, 4017,00</b>
occer/Mui	ti-Purpose Field Construction - 3 fields				
	Electrical Distribution	1	AL	\$60,000	\$00.00
	Laser grading	3	EA		
· ······	Field Lighting	3	EA	\$75,000 \$140,000	
	Soccer Goals	6	EA	\$110,000	
*****	Scoreboard	9		\$2,500	
	Benches and Bleachers		AL	\$15,000	7
	Field Bermuda sod and growth-in		AL	\$25,000	
F		3	EA	\$40,000	
Sub-total					\$790,00

TOTAL CONSTRUCTION COST	\$8,027,975
Contingency (10%)	\$802,800
Engineering	\$802,800
TOTAL PROJECT COST	\$9,633,575

## Phasing

It is anticipated that the County will implement the park improvements in multiple phases. By approaching the development of the park in this manner, the County will be able to apply for grants and other funding strategies and maximized funding opportunities. With the understanding that it is undetermined which park elements will be implemented in future or other phases, this master plan allows some flexibility towards implementing park elements as the County gauges recreational needs with the County residents. With this approach the following list of park elements is divided into two phases: Phase 1 and Future Phase.

Phase One Construction will include: the entrance road to the initial parking area along to with associated utilities. In addition to road construction, this phase will include:

- Restroom Building at Playground
- Parking Area (83 Spaces)
- Playground
- ¼ Mile Paved Walking Trail
- 846 LF of Trail to the Fishing Pier
- Fishing Pier
- Soccer/Multi-Use Field
- Small Game Courts
- Splash Pad
- Dog Park

The initial phase will include a portion of park infrastructure; however additional utility and road infrastructure will be required. The following is a list of park elements for future phases.

- Multi-Use Event Buildings and Parking (191 Spaces)
- Parking at Soccer Fields (142 Spaces)
- Amphitheater
- Fitness Stations
- Small Park Shelters
- Restroom/Concession at Soccer Fields
- Additional Parking Areas
- Additional Multi-Use/Soccer Fields
- Baseball/Softball Fields
- Lighting
- Extended Paved Walking Trails
- Greenway Trail (Off Property)
- Signage
- Canoe Portage Area
- Remaining Recreational Features

**END OF SECTION** 

# **APPENDIX A**



# Community Preferences PROPOSED PARK MASTER PLAN FOR HARNETT COUNTY, NC

Please place a sticker next to the amenity you would like to see further developed on the park property.

Josoping Walking Trails	TOTAL (5)
Skalebows Park 🔵 🕠	(2)
Filess Stations (2)	Ø
Ouldoor Playground	(2)
Small Game Courts (Bocce, 4-Squre, Shuffisboard, Etc.)	(0)
Pionic Areas	(0)
Horseshoe Pits	<u>0</u>
Sand Volleybail Court (	<b>E</b>
Indoor Gymnasium	m
Observation Platform	(0)
Disc Golf	(0)
Outdoor Basketball Court	(0)
Outdoor Performance Area/Amphilheater	ω
Fishing Pier (SC)	(2)
Canceing American Cancer of the properties of the control of the c	(2)
River Walk CCC	(4)
Open Space/Natural Areas	6)
Splash Pad 🔵 🔘	(4)
Football Field	(2)
Soccer Field (	E
Baseball/Softball Freid 🔵 🛇	(9)
Farmers Market ()()	(4)
Dog Park CC	(3)
Others (write in) 🌑 SCALED TRAIN LIKE IN KANNAPOLIS	m m
WATER ACCESS (CANOE PORTAGE)	(1)
OOD MTN. BIKE TRAILS	(6)
BASEBALL ("FORLITTLE KIDS")	(1)

APRIL 17TH - 1ST MEETING RESULTS
MAY 2ND - 2ND MEETING RESULTS

# **APPENDIX B**

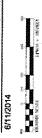
# HARNETT COUNTY PARK ~ ALTERNATE 1

6/12/2014

# **APPENDIX C**

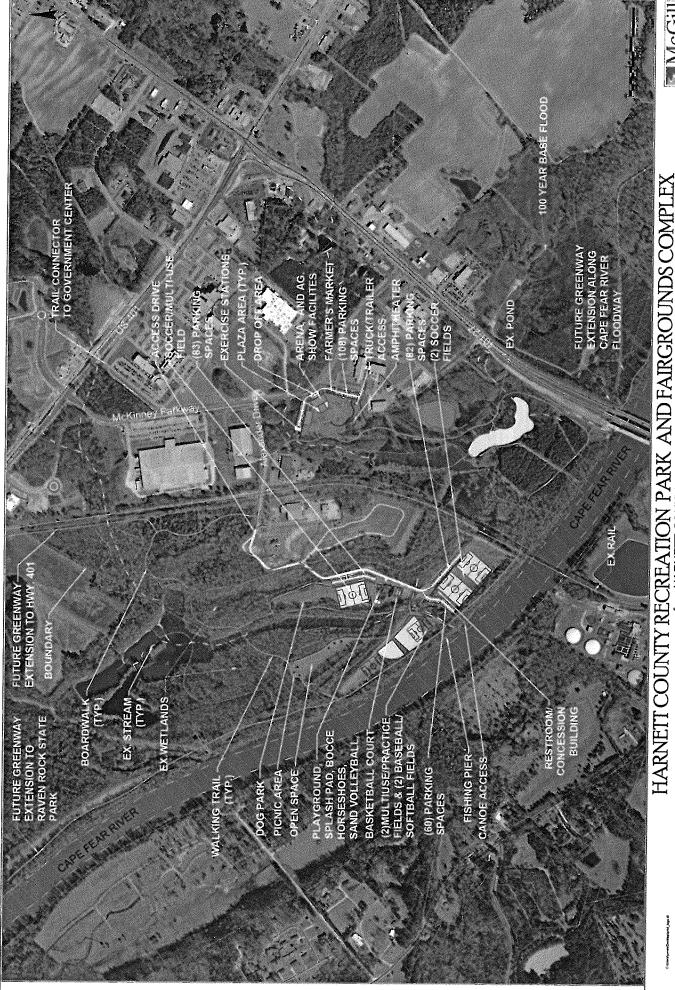


for HARNETT COUNTY, NORTH CAROLINA



6/11/2014

# **APPENDIX D**



HARNETT COUNTY RECREATION PARK AND FAIRGROUNDS COMPLEX