

IX. COMMUNITY FACILITIES

Existing Conditions

Community facilities within the Pasadena/Marley Neck Small Area include parks, recreation areas, schools, police, fire and rescue services, libraries, and senior and health services. The locations of these facilities are shown on Map 13. Also included in this chapter are water and sewer utilities. The boundaries of the sewer service areas are shown on Map 14 and the boundaries for the water service areas are shown on Map 15.

Recreation and Parks

Several County and community parks are located within the Pasadena/Marley Neck Small Area. Most of these parks are located in the Riviera Beach and Jacobsville areas. County-owned parks include Lake Waterford Park, Tick Neck Park, Havenwood Park, Rock Creek Park, Sunset Park, Stoney Creek Park, Solleys Cove Park, Beachwood Park, Brandon Woods Park and Solley Park. There are also a number of community parks located within the neighborhoods. The Lake Shore Athletic Complex and the Downs Memorial Regional Park owned by the County as well as Fort Smallwood Park, owned by the City of Baltimore, also serve the Pasadena/Marley Neck Small Area. These are located within the Lake Shore Small Area.

Downs Park is approximately 245 acres situated on the Chesapeake Bay at Pinehurst and Mountain Roads. It offers a variety of recreational and natural activities including baseball/softball, basketball, tennis, playgrounds, hiking/jogging trails, biking, an exercise course, and fishing. There is a lighted amphitheater that holds events such as a series of summer concerts and there are also picnic areas, pavilions, concession stands and restrooms.

Lake Waterford Park, located on the corner of Pasadena Road and Baltimore Annapolis Boulevard, is approximately 108 acres that includes a 12-acre lake. It has recreational and natural amenities such as lighted tennis courts, basketball courts and multi-purpose fields, baseball/softball fields, playgrounds, picnic areas, pavilions, concession stands and restrooms.

Havenwood Park is located on Outing Avenue and has baseball/softball fields, a concession stand and a playground. Tick Neck Park includes baseball/softball fields, tennis courts, basketball courts, a concession stand, lighted multi-purpose fields, a playground and an exercise course. Solley Park located on Solley Road has baseball/softball fields, tennis courts, basketball courts, playgrounds, picnic areas and pavilions. Rock Creek Park located on Arundel Road in Riviera Beach has lighted baseball/softball fields and multipurpose fields, tennis courts, basketball courts, concession stand and restrooms. Sunset Park, located on Fort Smallwood Road, has baseball/softball fields, lighted multi-purpose fields, concession stand and restrooms.

Stoney Creek Park, Brandon Woods Park and Solley's Cove Park are not currently planned for active recreation.

The *Fiscal Year 2004 Capital Budget and Program* includes two projects within the Pasadena/Marley Neck Small Area: Beachwood Park and Brandon Woods Park. The Beachwood Park project includes construction of paths and demolition of structures. In the future, a master plan and additional construction of other features will occur. The Brandon

Woods project is to construct athletic fields. There are also projects to renovate Downs Park, expand the Lake Shore Athletic Complex and a project to acquire land, design and construct boat launch sites on suitable properties that are identified within the County. The Downs Park renovation includes expansion of the visitor's center, repaving the roadways and trails, a public fishing pier, provision of permanent day camp facilities and upgrading the playground and underground utilities. The Lake Shore Athletic Complex project is to prepare a master plan to provide additional athletic facilities and amenities.

Public Education

The Pasadena/Marley Neck Small Area is located within three high school feeder systems: Northeast, Chesapeake and Glen Burnie. The area is served by seven elementary schools (K-5) and three middle schools (grades 6-8). The Northeast Feeder System includes Northeast Senior High, George Fox Middle, High Point Elementary, Riviera Beach Elementary, Solley Elementary and Sunset Elementary. Students from Riviera Beach and Sunset elementary schools attend Chesapeake Bay Middle School and then Northeast Senior. The Glen Burnie Feeder System includes Glen Burnie Senior, Marley Middle and Freetown Elementary. The Chesapeake Feeder System includes Chesapeake Senior, Chesapeake Bay Middle, Jacobsville Elementary and Pasadena Elementary.

Rated capacities, projected 2002 and 2011 enrollments and utilization percentages at each school are listed in the table below.

| School | State Rated Capacity (2003) | 2003 Projected Enrollment | 2003 % Utilization | State Rated Capacity (2012) | 2012 Projected Enrollment | 2012 % Enrollment |
|--------------------------|------------------------------------|----------------------------------|---------------------------|------------------------------------|----------------------------------|--------------------------|
| Northeast Senior | 1428 | 1518 | 106% | 1428 | 1340 | 94% |
| George Fox Middle | 996 | 832 | 84% | 996 | 782 | 79% |
| High Point Elementary | 591 | 553 | 94% | 591 | 483 | 82% |
| Riviera Beach Elementary | 379 | 316 | 83% | 379 | 446 | 118% |
| Solley Elementary | 559 | 543 | 97% | 559 | 599 | 107% |
| Sunset Elementary | 591 | 482 | 82% | 591 | 548 | 93% |
| Glen Burnie Senior | 2171 | 2125 | 98% | 2171 | 1975 | 91% |
| Marley Middle | 943 | 974 | 103% | 1028 | 915 | 97% |
| Freetown Elementary | 464 | 396 | 85% | 464 | 384 | 83% |
| Chesapeake Senior | 2149 | 1953 | 91% | 2149 | 1715 | 80% |
| Chesapeake Bay Middle | 1829 | 1798 | 98% | 1829 | 1689 | 92% |
| Jacobsville Elementary | 611 | 567 | 93% | 611 | 556 | 91% |
| Pasadena Elementary | 414 | 352 | 85% | 484 | 359 | 87% |

Source: Anne Arundel County Educational Facilities Master Plan, July 2003

Most of the schools are presently near or over capacity. Northeast Senior, and Marley Middle are currently over capacity. Riviera Beach Elementary, Solley Elementary, Sunset Elementary and Freetown Elementary, The *Fiscal Year 2004 Capital Budget and Program* includes three school improvement projects. Marley Middle School replacement is a project that will provide a new building configured to support the educational program and relieve overcrowding. The Mountain Road Corridor Elementary School project is intended to relieve overcrowding at Solley Elementary School and provide capacity for approved housing development in the Mountain Road Corridor. This project is a new school and is not funded in the next six years. Pasadena Elementary School is another capital project to provide a facility that will support the educational program and increase the state rated capacity of the school.

Police Services

The Eastern Police Patrol District serves the majority of the Pasadena/Marley Neck Small Area. It is located on Mountain Road just west of Hog Neck Road and is presently comprised of 13 beats staffed 24 hours, and 5 overlap beats staffed 8 hours. The Pasadena/Marley Neck Small Area Plan lies within portions of patrol beats 3A1, 3A2, and 3C1. A part of the Pasadena/Marley Neck Small Area lies within a portion of Northern Police Patrol District beat 2D3.

The *FY 2004 Capital Budget and Program* includes a project to design and construct a new Eastern Police Patrol District station to replace the existing facility. There are presently four patrol districts within the County. A fifth police patrol district has been proposed for the distant future. Realignment for the existing four police patrol districts would occur upon implementation of a new fifth police patrol district.

Fire and Rescue Services

Anne Arundel County Fire Department is a combination career and volunteer department providing emergency medical, fire, and rescue services to the citizens of the County. The combination of career and volunteer personnel allows the Department to provide a high level of services at a reasonable cost. The members of the Department are highly trained individuals. Every member of the Department holds State certification, showing they meet or exceed the requirements for the position they hold. Many members also hold national certification. In addition to the traditional services provided by the fire service, Anne Arundel County Fire Department has personnel trained in Hazardous Materials incident mitigation, dive/water rescue, high-angle rescue, confined space rescue, collapse rescue and a variety of other technical rescue situations.

First due service is provided by the company closest to a given area. However, depending on the type of call received, units from more than one station may be responding. All response certified members of Anne Arundel County Fire Department are trained at least to the level of Emergency Medical Technician (EMT) and we dispatch the closest piece of equipment to all medical calls. In this way, basic life saving medical treatment can be rendered as quickly as possible. In addition, every station has at least one Automatic External Defibrillator (AED) to provide life saving treatment to victims of heart attacks.

The Pasadena/Marley Neck area is strategically protected with Fire and EMS service provided by the Marley Station, Armiger Station, Orchard Beach Station, Riviera Beach Station

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and Jacobsville Station. Marley Volunteer Fire Company (Company #18) is located at 100 Summit Avenue. Armiger Volunteer Fire Company (Company #30) is located at 304 Mountain Road just east of the intersection with Solley Road. Orchard Beach Volunteer Fire Company (Company #11) is located at 7459 Solley Road just south of Fort Smallwood Road. Riviera Beach Volunteer Fire Company (Company #13) is located at 8506 Fort Smallwood Road. Jacobsville Fire Station (Company #10) is located at 3725 Mountain Road. A Paramedic Unit is housed at each station with the exception of Armiger and Orchard Beach, which each house a Basic Life Support (BLS) unit. An Engine Company is housed at each station. Additionally, the Orchard Beach and Jacobsville stations each house a Quint Company. The Jacobsville Station currently has a Tanker, but this may be disbanded in the future.

These stations provide strategic coverage of Fire/EMS/Rescue services to the citizens within their respective areas with the equipment that is available. Other stations such as the Earleigh Heights Station (Company #12), Glen Burnie Station (Company #33) and the South Glen Burnie Station (Company #26) provide aid to the Pasadena/Marley Neck Small Area depending on the type of call.

Libraries

The Riviera Beach Branch at 1130 Duvall Highway serves the Pasadena/Marley Neck Small Area. Opened in 1971, this branch is 10,500 square feet and has a materials collection of 67,114 items. Monthly circulation for Riviera Beach averages 16,900 (4% of entire system circulation). This branch is open Monday through Saturday with a weekly total of 44 hours.

The Board of Trustee's Facilities Master Plan outlined repair and renovation projects for all 15 of the library branches. Projects are prioritized by need and requested through the budget process each year. Completed projects for this branch in 2000/01 included:

- Lighting upgrade
- Ceiling replacement in public areas and meeting room
- Painting of entire interior
- Renovation of public and staff restrooms
- Repair and repaving of parking lot

Future projects will be the installation of new information and circulation desks, a new roof and new tables and chairs in the public area and in the meeting room.

Senior Services

The Anne Arundel County Department of Aging has seven multi-purpose senior centers serving active seniors 55 years of age and older. Participants enjoy educational programs, recreational activities, health screenings and seminars, art classes, craft classes, dance classes, computer classes, social events, bus trips and picnics. Transportation, Lunch, Senior Health Insurance Assistance, and Information and Assistance Services are also offered. The Pasadena Senior Center located in the Lake Shore Plaza Shopping Center serves the Pasadena/Marley Neck Small Area. The center offers a variety of classes, social events, and volunteer opportunities. Oil painting, woodcarving, sewing, yoga, tai chi, aerobics, country line and ballroom dancing and various courses including computer classes are offered. Other activities

include sing-a-longs, parties/picnics and a lunch served daily. Volunteer opportunities range from teaching workshops and classes to answering phones and helping with parties.

Health Services

The Magothy Health Center located on Mountain Road in Pasadena provides a breast and cervical cancer program and colorectal cancer screening.

Public Utilities

Sewer Service

The Pasadena/Marley Neck Planning Area is located within the Cox Creek and Broadneck Sewer Service Areas (SSA). However, no service connections exist at this time to the Broadneck SSA. As part of strategic planning initiatives, a portion of the Cox Creek SSA may be shifted in the years ahead to revert flow back to the Broadneck SSA.

The Cox Creek SSA is located in the northern portion of the County. It is generally bounded by Baltimore City to the North, Rock Creek to the East, Elvaton Road and the Magothy River to the South, and Baltimore-Washington International Airport to the West. The boundaries are shown on Map 12. This SSA encompasses approximately 31,100 acres, excluding the BWI Airport property. According to Anne Arundel County's *General Development Plan* (GDP), a majority of the service area is designated for medium and low-medium residential land use. Commercial land use exists along Mountain Road, Governor Ritchie (MD 2) and Crain (MD 3) Highways. Industrial use is predominate in the area of Marley Neck Boulevard and Fort Smallwood Road. There are approximately 6,500 acres of vacant land within the service area. There are six privately owned or independently operated systems located within the Cox Creek Sewer Service Area.

The Cox Creek Water Reclamation Facility is located off Wagner Road. The 15 MGD rated facility provides activated sludge secondary treatment and phosphorus reduction facilities with an annual average daily flow of approximately 11.5 MGD. The treated effluent is discharged to the Patapsco River.

The site where the Cox Creek WRF is located is fully used and not able to support additional capacity expansion. Another alternative being considered to accommodate the additional capacity needs is a new WRF located within the Cox Creek SSA. Current projections indicate ultimate capacity required to serve the entire SSA is 16.62 MGD. Ongoing studies are investigating the potential for redirecting existing and future flow from areas on the southern border of the Cox Creek SSA to the Broadneck SSA and WRF that is capable of continued expansion. Similarly, the new Cayuga Farms Pump Station and drainage area representing approximately 0.8 MGD average daily flow will be reverted once completed for discharge into the Broadneck SSA. The area between the intersection of Jumpers Hole Road/MD 2 and Mountain Road/MD 100 will be investigated during the Comprehensive Sewer Study to determine the feasibility of redirecting additional flow to the Broadneck SSA.

The Broadneck SSA is located in the east-central portion of the County. It is generally bounded by the Magothy and Severn Rivers, including a portion of the headwater of the Severn River. It encompasses approximately 27,100 acres. The major land uses in the

Map 14 Sewer Service, Page 83

service area are low and low-medium residential and rural/agricultural, with relatively small areas of commercial development. The most densely populated areas include Severna Park, Pasadena, and Cape St. Claire. This area also includes the U.S. Naval Station Reservation. There are approximately 3,600 acres of vacant land in the service area. There are 21 independently operated treatment facilities located within the Broadneck SSA.

The Broadneck Water Reclamation Facility is located off Log Inn Road. The facility is rated at 6.0 MGD with the annual average daily flow now over 5.0 MGD. The treated effluent is discharged into the Chesapeake Bay. Full-scale biological nutrient reduction (BNR) facilities have been completed. The plant discharges through an outfall to the Chesapeake Bay, approximately 4,000 feet from the shoreline.

The Broadneck Water Reclamation Facility will require an expansion from 6.0 MGD to 9.0 MGD. This expansion is required to service the planned growth within the service area as well as the anticipated flows generated with the change in the Broadneck Service Area to include a portion of the Cox Creek SSA. The timing of the expansion is beyond the current CIP program, however planning efforts for the expansion will be initiated within the next 10 years.

The *FY 2004 Capital Budget and Program* includes two projects for improvements at the Cox Creek WRF. One project is for design and construction of an odor-control facility for the sludge thickeners, scum and processing building, septage area, grit tanks, headworks and junction boxes. The second project is to install Biological Nutrient Removal (BNR) equipment. The CIP also includes a project that will replace 6,000 linear feet of aging 24-inch steel force main to 36-inch pipe from Marley Creek to Solley Road. Also included in the CIP is a project to design and construct capacity expansion of gravity and pressure sewers in the vicinity of Ritchie Highway between Marley Station Road and Jumpers Hole Road. The CIP also includes a project to construct a pumping station and force main to serve properties along Marley Neck Boulevard north of Tanyard Cove.

Water Service

The Pasadena/Marley Neck Planning Area is served with public water by the Broadneck/Glen Burnie Low 220 pressure zone.

The Glen Burnie Low water pressure zone is situated in the north central portion of the County. The area currently served by the Glen Burnie Low 220 pressure zone is generally bounded by Cypress Creek and the Broadneck 220 zone to the south; MD Route 3 to the West; Jacobsville to the east and Baltimore City, Furnace Creek and Dorsey Road to the north.

Topography of the area varies from elevation 0 to 170 feet. Water mains in the zone range from 0 to 141 feet in elevation. According to the County's design criteria, the highest ground elevation, which can be served from the 220 zone, is 100 feet without providing supplemental means of pressure. Overflow elevation of the elevated storage tanks is 220 feet with a low water elevation equal to 184 feet. Static pressures range from 95 psi to 40 psi.

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There are two water treatment plants serving the Glen Burnie Low 220 pressure zone: the Severndale Water Treatment Plant (WTP) and the Harundale WTP. The Severndale WTP, located along Southway near Benfield Road in the community of Severndale, has seven groundwater wells capable of producing up to 12 MGD (9 MGD with the best well out). The plant has a rated treatment capacity of 8 MGD. Treatment provided includes aeration, prechlorination, chemical addition, sedimentation, fluoridation, disinfection and filtration. The Harundale WTP, located at the end of East Way in Harundale, has four groundwater wells capable of producing up to 2.4 MGD (1.4 MGD with the best well out). The plant has a rated treatment capacity of 2.1 MGD. Treatment provided includes aeration, prechlorination, chemical addition, sedimentation, disinfection and fluoridation.

In the past, there were four self-contained wells (SCW's) that serve the Glen Burnie Low 220 zone: (1) the Glendale SCW; (2) the Phillip Drive SCW; (3) the Elvaton Road SCW; and (4) the Crain Highway SCW. Treatment included chemical addition, disinfection, and fluoridation at all the SCW's with aeration also included at the Glendale SCW. The Glendale, Philip Drive and Crain Highway SCW's are currently out of service due to the detection of radium levels that exceed the current MCL. A capital project has been initiated to provide radium removal so the Glendale and Crain Highway SCW's can be placed back in service. The Philip Drive SCW has been eliminated, and a second well will be incorporated into the Crain Highway facility to utilize a common treatment system. The Glendale SCW will be back on-line in early 2003 at a treatment capacity of +/-0.6 MGD, and the Crain Highway facility will be back on-line in 2004 at a treatment capacity of +/-1.6 MGD.

Existing water storage and distribution facilities of the zone include: the Fort Smallwood Booster Pump Station (BPS), the Jacobsville 2 mg elevated tank, the Crain Highway 1 mg elevated tank, the Old Mill 1 mg elevated tank, the Jumpers Hole 1 mg elevated tank, and a distribution system network of pipelines that range in diameter from 6 inches to 54 inches. The Severndale WTP has 3.0 mg of ground storage at the Severndale high service pump station. The distribution system consists of approximately 443 miles of water mains serving approximately 38,280 customers.

Additionally, there are two active flow transfer points that receive/discharge flow from/to other zones. The Old Mill Control Valve receives approximately 1,300 gpm from the 295 zone and, under normal operating conditions, the control valve at the Dorsey Road WTP discharges approximately 2.5 MGD from the 220 zone to the 295 zone. These are in addition to the flow transfer that occurs at the Shipley's BPS (approximately 1,200 gpm discharged from the 220 zone).

The County also receives water from Baltimore City (Zone 1) via a connection at Fort Smallwood Road near the County/City border. Flow received from the City (up to 17.5 MGD by agreement) is pumped through the Fort Smallwood BPS into the Glen Burnie Low 220 zone. The BPS is controlled by water levels sensed in the Jacobsville Elevated Tank.

The *FY 2004 Capital Budget and Program* includes a project to design and construct 10,000 feet of 24-inch water transmission main from the Severndale High Service Pump Station to the intersection of Magothy Bridge Road and Ritchie Highway. This project has been completed. The CIP also includes a project to design and construct 15,000 feet of 36-inch water transmission main from St. John's Church via McKinsey Road, Leelynn Drive and B&A Boulevard and a project to design and construct 16,000 feet of 36-inch water transmission main from Ritchie Highway and Magothy Bridge Road to Mountain Road and B&A Boulevard. These mains will allow the County to transfer water from abundant sources in Arnold to the Glen Burnie Low 220 zone without increasing reliance on the City of Baltimore and deferring other capital costs for construction of new treatment facilities. There is also a project for the replacement of the existing chemical feed systems at the Severndale Water Treatment Plant.

Assets/Issues/Goals/Recommendations

Assets/Issues

It is the feeling that the Pasadena/Marley Neck Small Area is served with adequate public facilities in most instances. Roadways and traffic, which are covered in another section, are the main exception. However, there are several areas where some improvements need to be considered. The community feels that there is a shortage of fields available for sports and the method for allocating usage is not fair to all that want to participate. They feel that there needs to be better and more proactive public education for the radon and radium issues. Also, the community feels that the issue of failing septic systems needs to be addressed because of the environmental and health related impacts. The community would like to see enhancements such as an indoor recreational complex, adequate outdoor facilities for team sports, more police presence and rehabilitation of existing facilities. One of the most common issues brought up by the greater Pasadena community is Fort Smallwood Park. It is an important historic site that has been neglected over the years. The community would feel that it is an important asset that needs to be stabilized and properly restored. The site could be a significant historic attraction and an enhancement to the Port of Baltimore.

Goal: Have improved existing public facilities and services in the Pasadena/Marley Neck Small Area.

Recommendations:

1. Existing facilities (fire stations, schools, etc.) should be maintained before adding new ones.
2. Construct sidewalks within school pedestrian zones.
3. Increase the number of police patrols in the area.
4. Increase the number of emergency preparedness vehicles such as EMT and HAZMAT.

Goal: Have additional recreational and cultural opportunities for children and seniors.

Recommendations:

1. Develop a County recreation center in the Mountain Road corridor that will include an indoor/outdoor public swimming pool and will provide after-school recreational programs and meeting space for the community (basketball, volleyball, Cub Scouts, etc). These programs should be free, or a sliding scale fee should be offered.
2. Provide a larger Senior Center in conjunction with development of a recreation center in the Mountain Road Corridor.
3. Develop a major outdoor recreational complex that is adequate to accommodate the demand for active multi-purpose athletic fields.
4. Provide more public access to waterways. Develop boat ramps, fishing piers, crabbing piers and picnic areas.
5. Implement the Greenways Master Plan through a mutually agreeable process as development occurs.
6. In conjunction with the Greenways Master Plan, incorporate to the extent possible the development of hiking, biking and equestrian trails.
7. Develop a County-operated rifle range.

Goal: Determine the active and passive recreational needs of the Pasadena/Marley Neck and Lake Shore Small Areas, the needs for the intermediate future (up to twenty year should be identified), and programmatic improvements scheduled in the Capital Improvement Program to meet the demand.

Recommendations:

1. Conduct a study to examine current recreation and parks programs and facilities, determine the existing and future needs based on changing populations and community desires.
2. As part of the study, assess the current method of allocating active recreational field usage and incorporate changes necessary to open usage to all in a fair and systematic process.

Goal: Acquire, stabilize and improve Fort Smallwood Park as the premier historic attraction and water access point on the Patapsco River in Anne Arundel County.

Recommendations:

1. Work with Baltimore City, the Federal Government and the State of Maryland to transfer the property to Anne Arundel County.
2. Work with the Maryland Department of Natural Resources to obtain funding for boat ramps, fishing piers, a safe harbor, and restoration programs to improve water quality and wildlife habitat.
3. Work with the Maryland Historic Trust to develop funding to stabilize and restore the historic 'Fort Smallwood'.
4. Work with the Maryland Historic Trust to develop programs that will interpret the Fort and its role in the Spanish American War.

Goal: Increase public awareness on the affects of radium and present residents with viable alternatives for providing safe drinking water.

Recommendations:

1. The Anne Arundel County Department of Health should work with The Maryland Geological Survey, the U.S. Geological Survey and the Maryland Department of the Environment to determine the extent of the radium concentrations within the County.
2. Provide a proactive public education process for radium, including alternatives for providing safe drinking water.

Goal: Eliminate failing septic systems in the area.

Recommendations:

1. The Anne Arundel County Department of Public Works and the Department of Health should work with residents in the area with regard to failing septic systems and develop viable solutions to the problem.