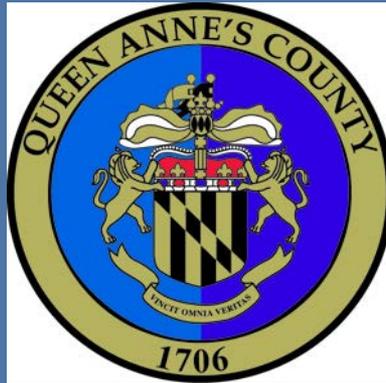


2015 County Engineers Association of Maryland Mid-Size Project



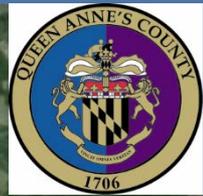
Queen Anne's County Matapeake Professional Park Road and Utilities Improvement



MATAPEAKE PROFESSIONAL PARK

- Redevelop an abandoned Federal/State property
- Improve environmental site conditions
- Create employment opportunities via Queen Anne's County businesses
- Preserve and promote the site's history

MATAPEAKE PROFESSIONAL PARK





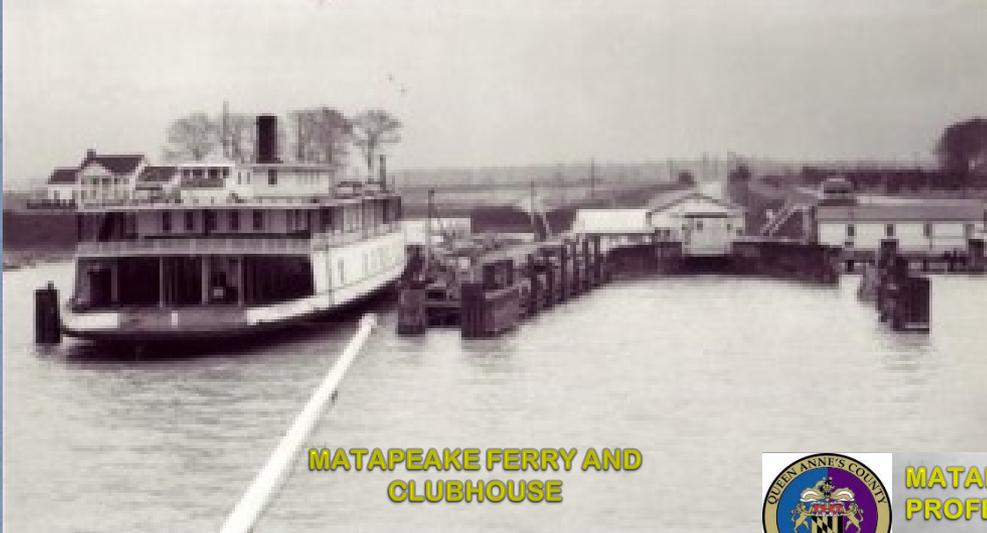
MATAPEAKE PROFESSIONAL PARK



- In 1930 the privately owned ferry traveled from Annapolis to Matapeake.
- In 1941 State Roads took over the Ferry and moved the western shore terminal from Annapolis to Sandy Point .



MATAPEAKE PROFESSIONAL PARK



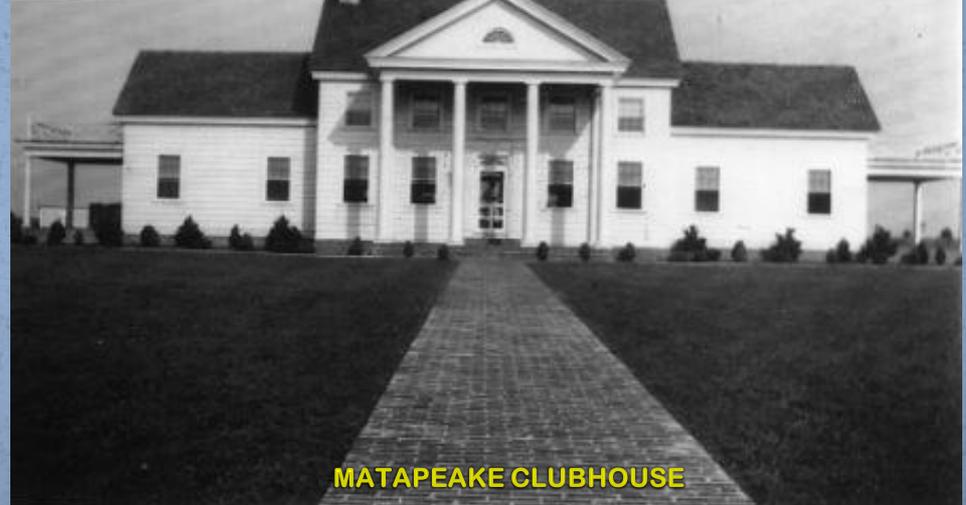
MATAPEAKE FERRY AND
CLUBHOUSE

Shortly after the Chesapeake Bay Bridge opened in 1952 the ferry ceased. DNR used the site as a training facility. Queen Anne's County took over the clubhouse and started the repairs in 1999 to preserve the history of the clubhouse.

To accommodate the traveler during their wait time the Matapeake Clubhouse was built in 1936.



MATAPEAKE PROFESSIONAL PARK



MATAPEAKE CLUBHOUSE

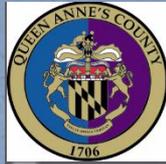


MATAPEAKE PROFESSIONAL PARK



CHESAPEAKE BAY MODEL BUILDING

The remaining part of the property was selected by the Army Corps of Engineers to construct the Chesapeake Bay Hydraulic Model in 1973. The 14 acre building housed the handmade scaled Chesapeake Bay Hydraulic Model and generated massive amounts of data.



**MATAPEAKE
PROFESSIONAL PARK**



Chesapeake Bay Model technician at a tide gauge located on the Elizabeth River, at Portsmouth, Virginia, August 1977. *U.S. Army Corps of Engineers Waterways Experiment Station photo*



**MATAPEAKE
PROFESSIONAL PARK**

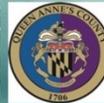


**CHESAPEAKE BAY MODEL
BUILDING DEMOLITION**

A heavy snow storm in 2000's collapsed part the buildings roof.



The collapsed steel of the Chesapeake Bay Model building was removed for scrap metal.



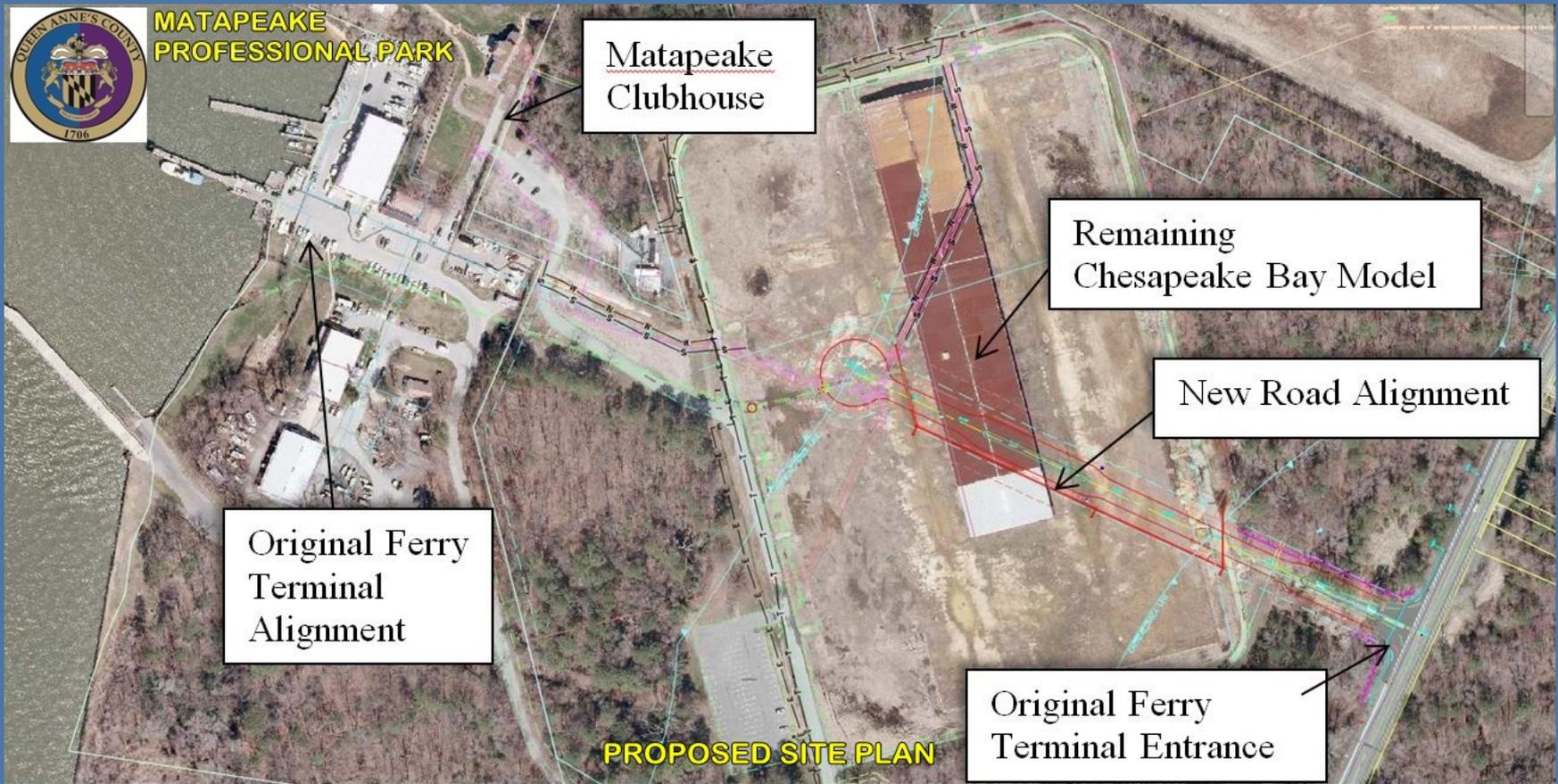


MATAPEAKE PROFESSIONAL PARK





MATAPEAKE PROFESSIONAL PARK



- Existing ferry utilities
- Abandoned electrical systems
- Light posts
- Soil cement
- Existing foundations
- Existing tanks
- Existing stormdrain infiltration
- Other miscellaneous items



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PROFESSIONAL PARK**



**CHESAPEAKE BAY MODEL
FOUNDATION DEMOLITION**



**MATAPEAKE
PROFESSIONAL PARK**



**CHESAPEAKE BAY MODEL
FOUNDATION DEMOLITION**

The Bay Model foundation demolition was completed by the County forces.



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CHESAPEAKE BAY MODEL TANK DEMOLITION

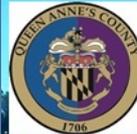


MATAPEAKE PROFESSIONAL PARK



CHESAPEAKE BAY MODEL FOUNDATION DEMOLITION

Concrete vaults that were thought to be removed in previous construction were also unearthed.



MATAPEAKE PROFESSIONAL PARK



CHESAPEAKE BAY MODEL TANK DEMOLITION



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PROFESSIONAL PARK**



SOIL CEMENT REMOVAL



**MATAPEAKE
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SOIL CEMENT REMOVAL

Demolition of soil cement and other unknown foundations within the new roadway was completed by the projects contractor David A. Bramble.



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SOIL CEMENT REMOVAL



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**CHESAPEAKE BAY MODEL
STORMDRAIN DEMOLITION**



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EXISTING SITE DEMOLITION



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EXISTING SITE DEMOLITION



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**EXISTING STORMDRAIN
DEMOLITION**



**MATAPEAKE
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**EXISTING STORMDRAIN
DEMOLITION**



**MATAPEAKE
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**EXISTING STORMDRAIN
DEMOLITION**



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**ABANDONED STORMDRAIN
INSTALLATION AND REPAIR**

1,200 feet of existing Chesapeake Bay Model stormdrain was repaired and used for roadway and site drainage.



**MATAPEAKE
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**ABANDONED STORMDRAIN
INSTALLATION AND REPAIR**





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STORMDRAIN INSTALLATION



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STORMDRAIN INSTALLATION

A new stormdrain was added to the existing system to accept the drainage of future development.



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SITE GRADING



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SITE GRADING



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SITE GRADING



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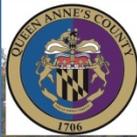


SITE GRADING



**MATAPEAKE
PROFESSIONAL PARK**

SITE GRADING



**MATAPEAKE
PROFESSIONAL PARK**



UTILITY INSTALLATION

New utilities installed

- Electrical mainlines
- Fiber optics
- High speed internet
- Utilities for adjacent tower and water tower



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CURB INSTALLATION



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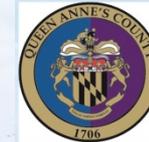


**MATAPEAKE
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**MATAPEAKE
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The county's modified boulevard road section that allows sheet flow into roadside swales improving the water quality and achieving environmental site design objectives.



MATAPEAKE PROFESSIONAL PARK



Michigan Manufacturing International - the Park's first business and is a supplier of mechanical assemblies and other components for various industries.

Crossfit Kent Island - offers individual and group CrossFit training.



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PROFESSIONAL PARK**

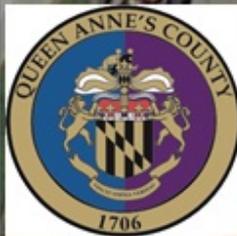


Chesapeake Wiper and Supply – a manufacturer and distributor of microfiber products, gloves and protective coveralls.

Miltec UV - a global manufacturer of both arc and microwave ultraviolet curing systems.

Sealing Trust LLC - commercial carpet logistic services.

Penguin Ventures – a local general contractor.



MATAPEAKE PROFESSIONAL PARK



MATAPEAKE CLUBHOUSE AND BEACH PARKING PROPOSED SITE PLAN

The popularity of the Matapeake Clubhouse and Beach has grown over the years requiring an efficient parking design for the Beach and Clubhouse.



Clubhouse used for weddings

Public beach

Professional Park amenities





**MATAPEAKE
PROFESSIONAL PARK**



**MATAPEAKE CLUBHOUSE AND BEACH PARKING
(ORIGINAL MATAPEAKE FERRY LIGHT POST)**

- Environmental concerns
- Enhancements to the park
- Three of the original ferry light posts were sandblasted, painted, and installed
- Reducing the sediment runoff into the Chesapeake Bay



**MATAPEAKE
PROFESSIONAL PARK**



**CHESAPEAKE BAY
OUTFALL IMPROVEMENT**

- The design, construction management and survey of the project was completed by the county staff.
- Road construction and additional demolition was completed by David A. Bramble.
- The project utilized funds from CDBG and the sale of the Professional Park lots.





MATAPEAKE PROFESSIONAL PARK

QUESTIONS?

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