



**Allegany County Commissioners
Bedford Road Water System Improvements
Environmental Report**

February 2014

This Bedford Road Water System Improvements Environmental Report (“Report”):

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3. must not be copied to, used by, or relied on by any person other than Allegany County Commissioners without the prior written consent of GHD;
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1. Purpose and Need of Project

1.1 Project Description (Proposed Action)

The Bedford Road area of Allegany County (County) is a 3.3 mile long by 0.5 mile wide strip of more than 600 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Naves Cross Road to the Maryland-Pennsylvania border.

The majority of residents along Bedford Road currently obtain drinking water from the City of Cumberland (City) through several small diameter service water mains that tie directly into the City's transmission mains. A significant portion of the system is privately maintained, with the rest maintained by either the City or the County. A small portion of residents obtain drinking water from private wells. No fire protection hydrants exist in the area.

The City of Cumberland currently obtains water from Lake Gordon and Lake Koon, and treated by the adjacent Water Treatment Plant (WTP), located 2 miles north of the Maryland-Pennsylvania border. Two (2) 36-inch water mains, maintained by the City of Cumberland, run from the WTP to the City of Cumberland, south of the Bedford Road area. The east main is comprised of concrete pipe and was constructed in the 1900s, and the west main, which runs closer to the Bedford Road area, is comprised of steel cylinder pipe and was constructed in the 1930s. It was assumed that 34 of the 667 build-out water customers identified in the area are light commercial, including multiple retail establishments, 3 restaurants, 2 churches, a community center, a skating rink, a fire department, a self-storage facility, a cemetery, a gas station, and the Allegany Soil Conservation office. The remaining 333 customers were assumed to be residential.

The Bedford Road area is currently a Priority Funding Area as shown on the Maryland Department of Planning Priority Funding Areas Interactive Map. Refer to Figure 1.

Allegany County Commissioners contracted with GHD, Inc (GHD) to provide a PER and ER to construct a new water distribution system for the residents of Bedford Road. The *Bedford Road Water System Improvements Preliminary Engineering Report (PER)* includes a preliminary design for proposed pump stations, storage tanks, and alignment. Recommended components include:

- Construction of a Southern Pump Station, located near the intersection of Bedford Road and Naves Cross Road tying into the "newer" existing Western main.
- Retrofit of the existing Smouses Mill Pump Station currently tying into the "older" existing Eastern main with new pumps to serve as the Northern Pump Station.
- Construction of two 250,000-gallon storage tanks, one near the southern extent of the system, and one near the northern extent.
- Construction of two (2) mains located parallel to Bedford Road, approximately 800 ft to either side. The eastern alignment would follow the existing 36-inch Cumberland main in the existing right-of-way (ROW).

See Figure 2 for the location of the proposed pump stations, existing system tie-ins, storage tanks, and alignment. See Figure 3 for a topographic map of the area.

This Environmental Report is supplemented by the *Bedford Road Water System Improvements PER*.

1.2 Need for Project

The existing Bedford Road water system is characterized by low pressures, inadequate flow, and poor water quality along portions of dead-end water mains. In addition, there is not sufficient pressure and volume to provide fire protection hydrants anywhere in the area. There is no redundancy in the current system, meaning that the water mains serving the City of Cumberland cannot be serviced without disconnecting water service to residents in the area. Maintenance of a significant portion of the system is not performed by the County or the City. The primary purpose of the Bedford Road Water System Study is to provide adequate water to meet user demands and fire flow protection within the Bedford Road area.

2. Alternatives to the Proposed Action

If no action is taken, customers would continue to obtain drinking water from the City of Cumberland or from private wells. While this alternative would have no capital cost, customers will continue to experience low pressures, inadequate flow, and poor water quality along portions of the dead-end water mains. In addition, there will be insufficient pressure and volume to provide fire protection hydrants in the area, maintenance of a significant portion of the system would not be performed by the County or the City, and customers would stay on the City water system, despite the City's desire to remove them.

Two alternative alignments were developed in addition to a no action alternative. Each alternative (besides no action) would provide adequate water service and fire protection throughout the Bedford Road service area. Both alignments would run the entire length of Bedford Road.

- Alternative A Alignment – One (1) water main located along Bedford Road and
- Alternative B Alignment – Two (2) water mains located parallel to Bedford Road, approximately 800 ft to either side. The eastern alignment would follow the existing 36-inch Cumberland main in the existing right-of-way (ROW).

Based on the advantages and disadvantages evaluated in the *Bedford Road Water System Improvements PER* and the cost associated with each alternative, Alternative B, two parallel alignments, was selected as the recommended alternative.

3. Affected Environment/Environmental Consequences

3.1 Land Use

3.1.1 General Land Use

Affected Environment

The current zoning map for the Bedford Road area is shown in Figure 4. The majority of the proposed alignment would be on land zoned as R – Residential, though a portion of land in the center of the Bedford Road area is zoned as B-1 - Neighborhood Business. The northern portion of the proposed alignment, the proposed North Pump Station, and the proposed North Storage Tank will be on land zoned as G-2 - General Urban District. The southern portion of the proposed alignment and the proposed South Pump Station will be on land zoned as B-2 - Major Business, and the South Storage Tank will be on land zoned as G-1 - General Residential District.

As part of the State Clearinghouse Review Process, the Maryland Department of the Environment (MDE) was asked to comment regarding any concerns in the Bedford Road area (See Correspondence 11 and Correspondence 12). In the State Clearinghouse response letter dated February 20, 2013, MDE stated “the Bedford Road Water System study that was presented in the clearinghouse is consistent with what the 2011 Allegany County Water and Sewer Plan says for that area. No amendment to the Water and Sewer Plan will be needed at this time.” However, if any of the project changes, amendments may be necessary. MDE also commented that “development should be concentrated in suitable areas such as existing or planned population centers as identified in a county's comprehensive plan.” As detailed in Section 2 of the PER, the Bedford Road area is currently a Priority Funding Area as shown on the Maryland Department of Planning Priority Funding Areas Interactive Map.

Environmental Consequences

None of the proposed work will require modification to the existing land use.

Mitigation

There will be no environmental consequences that require mitigation.

3.1.2 Important Farmlands

Affected Environment

Prime farmland, as defined by the U.S. Department of Agriculture National Resource Conservation Service (NRCS), is “land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses … It has the soil quality, growing season, and moisture supply … needed to economically produce sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied”. Additional lands of concern are farmlands of statewide importance for the production of “food, feed, fiber, forage, and oil seed crops,” which generally include “areas of soils that nearly meet the requirements for prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Prime and Statewide Important Farmland in the Bedford Road area are shown in Figure 6.

The proposed pump stations and storage tanks would not be located on soil designated as prime farmland or farmland of statewide importance. Portions of the proposed alignment would be located in soils designated as prime farmland or farmland of statewide importance. All but the proposed western main would be located within existing roadway or ROWs. When construction is complete, all land will be returned to existing land use and grade. All pipes to be placed within prime farmland will be buried at sufficient depth to ensure that no land is irreversibly converted to nonagricultural use.

Environmental Consequences

There will be no permanent disturbances to land with soils designated as prime farmland or farmland of statewide importance.

Mitigation

There will be no environmental consequences that require mitigation.

3.2 Floodplains

3.2.1 Affected Environment

Flood hazard information was obtained from the Federal Emergency Management Agency (FEMA). The Bedford Road area is split between four FEMA floodplain maps: Panel numbers 240001-0052-A, 240001-0053-A, 240001-0054-A, 240001-0061-A, and 240001-0062-A, all with an effective date of February 18, 1981. A FEMA flood map showing the 100 year floodzone in the Bedford Road area is shown in Figure 5 and Figure 5A. The proposed pump stations, storage tanks, and alignment would not be located within the floodplain. The nearest floodplain is over half a mile east of the proposed alignments, near Evitts Creek.

3.2.2 Environmental Consequences

Construction of the proposed pump stations, storage tanks, and alignment will be outside of the 100 year floodplain. A Standard Flood Hazard Determination Form (sFHDF) was submitted to USDA on September 25, 2013 (See Correspondence 18).

3.2.3 Mitigation

There will be no environmental consequences that require mitigation.

3.3 Wetlands

3.3.1 Affected Environment

According to the U.S. Environmental Protection Agency (EPA), wetlands are defined as “lands where saturation with water is the dominant factor determining the nature of soil development and the types of plant and animal communities living in the soil and on its surface”. Wetlands mapped by the Maryland Department of Natural Resources in Bedford Road area are shown in Figure 7 and Figure 7A. The proposed pump stations, storage tanks, and alignment would not directly intersect known wetlands. However, the proposed alignment comes into close proximity to a wetland in Sunset Memorial Park.

Hydric soils are defined by the NRCS as being “sufficiently wet in the upper part to develop anaerobic conditions during the growing season”. This list is only a list of likely hydric soils; soils on site would have to be tested for anaerobic conditions to confirm if they are hydric or not. Hydric

soils as identified by NRCS for the Bedford Road area are shown in Figure 7. The proposed pump stations and storage tanks would not be located on hydric soil; however, portions of the alignment would be located in hydric soils. All but the proposed western main would be located within existing roadway or ROWs. When construction is complete, all land will be returned to existing land use and grade.

3.3.2 Environmental Consequences

USFWS and NRCS mapping resources indicate wetland and water resources in close proximity to portions of the proposed alignment in Sunset Memorial Park. As the design process proceeds, wetland delineation should be conducted in this and any other area of possible wetland disturbance during the construction work. The wetland delineation should be conducted in accordance with the current wetland delineation manual of the US Army Corps of Engineers (USACE) to determine the exact boundaries of any existing wetlands within the study area.

In the U.S. Fish and Wildlife Service response letter dated May 14, 2012, they stated that “Federal and state partners of the Chesapeake Bay Program have adopted an interim goal of no overall net loss of the Basin's remaining wetlands, and the long term goal of increasing the quality and quantity of the Basin's wetlands resource base. Because of this policy and the functions and values wetlands perform, the Service recommends avoiding wetland impacts” (See Correspondence 4).

3.3.3 Mitigation

Since permitting will result in compliance with local, state and federal laws, delineation of wetlands will be addressed as part of construction, if necessary. This is a general requirement for construction; therefore, no mitigation is required.

3.4 Historic Properties

3.4.1 Affected Environment

Historic and cultural resources include “any prehistoric or historic district, site or building structure or object included in or eligible for inclusion in the National Register of Historic Places”. Any project that would change the character or use of a historic property within the area must evaluate all impacts. Historic properties in the Bedford Road area that are listed in the MD Inventory of Historic Properties and in the National Register of Historic Places are shown in Figure 8. Some historical sites, such as inventoried archaeological sites, are not released to the general public and are not included on Figure 8.

There are no historic sites at the proposed pump station and storage tank locations. Historic sites in the vicinity of the proposed alignment are listed in Table 1. All proposed construction near the historic sites will be located within existing right-of-ways.

Table 1 Historic Properties in the Vicinity of the Proposed Alignment

MD Inventory No.	Name	Alignment Alternative Impacted
AL-III-C-092	Brotemarkle House and Outbuildings	Both Alternatives
AL-III-C-043	Washington's Road	Both Alternatives
AL-III-C-090	Bosley House	Both Alternatives
AL-III-C-120	Sunset Memorial Park (Cemetery)	Both Alternatives
AL-III-C-093	House	Alternative A only

MD Inventory No.	Name	Alignment Alternative Impacted
AL-III-C-119	Zion Cemetery	Alternative A only
AL-III-C-172	Bedford Road Survey District	Both Alternatives
AL-III-C-166	Bridge A-1056 (SHA)	Alternative A only

Source: MD iMap Services, MD Historical Trust Historic Sites Data

The Maryland Historical Trust was asked to comment regarding any historical concerns in the Bedford Road area (See Correspondence 1). The Maryland Historical Trust responded on April 12, 2012 stating that more information developed during detailed design would be needed for their review (Correspondence 2). During detailed design, detailed descriptions of the proposed water main, pump stations and storage tanks, including site plans illustrating disturbance, will need to be provided to the Maryland Historic Trust, who will at that time, complete the project's historic preservation review under Section 106 of the National Historic Preservation Act. This information was reiterated in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13), which stated that the Maryland Historical Trust's finding(s) of consistency is/are contingent upon these submittals during detailed design. Additional information was provided to the Maryland Historic Trust on December 23, 2013 (Correspondence 19) and a response on January 16, 2014 stated that "Based on the preliminary information, [the Maryland Historic Trust does] not anticipate that the project will adversely affect historic properties" (Correspondence 20).

3.4.2 Environmental Consequences

All proposed construction near the known historic sites will be located within existing right-of-ways, so impacts will likely be minimal. Confirmation with the Maryland Historical Trust will be required during detailed design.

3.4.3 Mitigation

No mitigation is required.

3.5 Biological Resources

3.5.1 Affected Environment

Biological resources evaluated include any endangered or threatened animals or habitats that might be located within the project area, any fish or wildlife that might be impacted, and vegetation that serves as a habitat or helps to stabilize soil and prevent erosion.

The U.S. Fish and Wildlife Service and Maryland Department of Natural Resources were asked to comment regarding the presence of known rare, threatened or endangered species in the Bedford Road area (see Correspondence 3 and Correspondence 5). The U.S. Fish and Wildlife Service responded on May 14, 2012 and stated that "Except for occasional transient individuals, no federally proposed or listed endangered or threatened species are known to exist within the project impact area" (See Correspondence 4). The Maryland Department of Natural Resource responded on July 19, 2012 and stated that there are "no records for rare, threatened or endangered species within the boundaries of the project site as delineated." (See Correspondence 6).

3.5.2 Environmental Consequences

No known rare, threatened or endangered species exist within the Bedford Road area.

3.5.3 Mitigation

There will be no environmental consequences that require mitigation.

3.6 Water Quality Issues

3.6.1 Affected Environment

The proposed western main will cross Pea Vine Run near Sweitzer Ln, as well as multiple minor unnamed tributaries of Pea Run and Evitts Creek. No major stream crossings are anticipated.

3.6.2 Environmental Consequences

Increased erosion and sedimentation may occur during construction, which could potentially impact surface water quality, especially in areas near proposed stream crossings.

Per permitting requirements, silt fencing and other erosion control methods, following the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control, will be utilized during construction to minimize any impact to water quality from construction activity.

3.6.3 Mitigation

There will be no environmental consequences that require mitigation.

3.7 Coastal Resources

3.7.1 Affected Environment

The Bedford Road area is located in Allegany County, MD, which as shown in Figure 10 and Figure 10A, is not within a coastal zone.

3.7.2 Environmental Consequences

The project area is not within a coastal zone, and thus no coordination is required.

3.7.3 Mitigation

There will be no environmental consequences that require mitigation.

3.8 Socio-Economic/Environmental Justice Issues

3.8.1 Affected Environment

Figure 9 shows the median household income of Census Block Groups in the vicinity of the Bedford Road area. The Census Block Groups disturbed by the proposed work have 2010 Median Household Income that varies from \$31,126 to \$48,857. Comparatively, the 2006 to 2010 Median Household Income, as reported by the US Census Bureau, is \$37,747 for Allegany County and \$70,647 for the state of Maryland.

3.8.2 Environmental Consequences

It is not anticipated that construction or operation of the pump stations, storage tanks, and alignment will have any adverse impacts to the local community. The proposed alignment will provide a high level of service to all customers within the Bedford Road service area regardless of

socio-economic status. Rates will be applied equally to all customers regardless of socio-economic status.

3.8.3 Mitigation

There will be no environmental consequences that require mitigation.

3.9 Miscellaneous Issues

3.9.1 Air Quality/Odor

Affected Environment

The pump stations, storage tanks, and alignment are located in and near residential zones. The US EPA lists Allegany County, MD as "In Attainment" for 8-hour ozone, PM_{2.5} and PM10 particle pollution, sulfur dioxide (SO₂), carbon monoxide (CO), nitrogen dioxide (NO₂), and lead.

Environmental Consequences

Construction of the pump stations, storage tanks, and alignment will have minor short term impacts to nearby air quality as a result of emissions from construction vehicles and equipment. Emergency generators at the pump stations will release emissions when in operation, but this would only occur in the event of a power failure.

As stated in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13), construction, renovation and/or demolition of buildings and roadways will be performed in conformance with State regulations pertaining to "Particulate Matter from Materials Handling and Construction" (COMAR 26.11.06.03D), requiring that during any construction and/or demolition work, reasonable precaution must be taken to prevent particulate matter, such as fugitive dust, from becoming airborne.

Mitigation

Generators will be required to meet all EPA emission standards. Allegany County is listed as in attainment for all relevant pollutants, and thus there will be no environmental consequences that require mitigation.

3.9.2 Noise

Affected Environment

The pump stations, storage tanks, and alignment are located in and near residential zones.

Environmental Consequences

Construction of the pump stations, storage tanks, and alignment will have minor short term noise impacts due to construction vehicles and equipment. Operation of the pump stations will produce minor amounts of noise at those locations. The construction contract will specify the acceptable level of noise and limit all work that could produce noise to business hours. There will be no long term impacts that require mitigation.

Mitigation

There will be no environmental consequences that require mitigation.

3.9.3 Transportation

Affected Environment

Construction of the proposed alignment will be predominately outside of roads, and Bedford Road crossings will be directionally drilled. However, portions of the alignment leading from the mains to the Southern and Northern pump stations will run along Knob Road and the northern (non-state road) portion of Bedford Road respectively. The Maryland Department of Transportation (MDOT) stated in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13) that MD 807 (Bedford Road) is listed in the Highway Needs Inventory (HNI) as a two-lane reconstruction project, and that the project should be coordinated with the Maryland State Highway Administration (MD SHA). The MD SHA also stated that the Wolfe Mill site, located near the I-68/US 220 interchange, is a protected 13-acre historic site, and thus no public utility can be placed within this area. The Wolfe Mill site is located more than 2,000 feet from the nearest proposed utility, and will not be disturbed for this project.

The MD SHA was asked to comment regarding any concerns in the Bedford Road area (See Correspondence 9). The MD SHA responded on January 3, 2013 stating that "in general, SHA has no large-scale plans in the study area shown. Our rights-of-way and improvement plans along MD 807/ Bedford Road are limited, and we would not anticipate any significant impacts in this corridor" (see Correspondence 10). The MD SHA also noted that SHA's right-of-way for US 220 is designated Right-of-Way-Thru-Highway, which would not allow for placement of longitudinal utility facilities, and crossings are permitted by permit only. No work is anticipated within the US 220 right-of-way.

Environmental Consequences

Minor impacts to traffic on Knob Road and the northern (non-state road) portion of Bedford Road will occur. Both of these roads are classified as "Other Urban". As stated in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13), no cutback asphalt will be used during the months of June, July and August. This is part of general permitting and construction.

Mitigation

No mitigation is required.

3.9.4 Soils

Affected Environment

A soil map of the Bedford Road area obtained from the NRCS Web Soil Survey is shown in Figure 11 and Figure 11A. The Allegany Soil Conservation District and NRCS were asked to comment regarding any concerns in the Bedford Road area (see Correspondence 14 and Correspondence 15); however, neither agency provided a response.

Environmental Consequences

Contaminated soils may release volatile organic chemicals (VOCs) and/or carcinogens into the air when disturbed. It is not known at this time if contaminated soils are present within the Bedford Road area or if contaminated soils will be disturbed, but will be determined during detailed design. As stated in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13), if soil contamination is present, a permit will be required from MDE's Air and Radiation Management Administration. This will be required if uncontrolled emissions from the soil due to disturbance are

anticipated to be over 1 ton per year of VOCs or over 1 lb/day of carcinogens. This is a general construction requirement and not an environmental impact mitigation measure.

Mitigation

No mitigation is required.

3.9.5 Construction Impact

Affected Environment

The project will generate solid waste consisting of construction, demolition and land clearing debris.

Environmental Consequences

As stated in in the MDP Clearinghouse Response dated February 20, 2013 (Correspondence 13), any solid waste including construction, demolition and land clearing debris, must be properly disposed of at a permitted solid waste acceptance facility, or recycled if possible.

Mitigation

There will be no environmental consequences that require mitigation.

4. Summary of Mitigation

The potential impacts of the proposed pump stations, storage tanks, and alignment on environmental resources in the area has been assessed. No mitigation is required for resources such as floodplains, biological resources, or coastal resources, and there will be no major change to current land use, socio-economics, air/quality, noise, and transportation once construction is complete. A summary of all suggested mitigation strategies are detailed here:

- None, no mitigation is required.

5. Correspondence

Maryland Historical Trust

Correspondence 1 MHT Original Information Request: March 29, 2012
Correspondence 2 MHT Response Received: April 12, 2012

US Fish and Wildlife Service

Correspondence 3 US FWS Original Information Request: March 29, 2012
Correspondence 4 US FWS Response Received: June 11, 2012

Maryland Department of Natural Resources

Correspondence 5 MD MDR Original Information Request: March 29, 2012
Correspondence 6 MD MDR Response Received: July 19, 2012

Maryland Department of Transportation

Correspondence 7 MDDOT Original Information Request: March 30, 2012

Maryland Department of Environment

Correspondence 8 MDE Original Information Request: March 30, 2012

Maryland State Highway Administration

Correspondence 9 MD SHA Original Information Request: December 20, 2012
Correspondence 10 MD SHA Original Information Request: January 3, 2013

Maryland Department of Planning Clearinghouse Review

Correspondence 11 MDP Clearinghouse Original Information Request: December 20, 2012
Correspondence 12 MDP Clearinghouse Status Update: January 15, 2013
Correspondence 13 MDP Clearinghouse Response: February 20, 2013

Allegany Soil Conservation District

Correspondence 14 Allegany SCD Original Information Request: December 20, 2012

National Resource Conservation District

Correspondence 15 NRCS Original Information Request: March 30, 2012

Allegany County Dept. of Public Works Roads Division

Correspondence 16 Allegany DPW Roads Division Orig. Information Request: Dec. 20, 2012
Correspondence 17 Allegany DPW Roads Division Response Received: December 21, 2012

Federal Emergency Management Agency

Correspondence 18 Standard Flood Hazard Determination Form: September 25, 2013

Maryland Historical Trust (Additional Correspondences)

Correspondence 19 Additional Information to MHT: Dec. 23, 2013
Correspondence 20 Additional Information from MHT: Jan. 16, 2014



March 29, 2012

Ms. Elizabeth Cole, Administrator
Project Review and Compliance
Maryland Historical Trust
100 Community Place
Crownsville, MD 21032

Re: Federal and State Historical Preservation Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Ms. Cole:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Maryland Historical Trust indicating whether or not there are any "historical concerns" within the study area.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

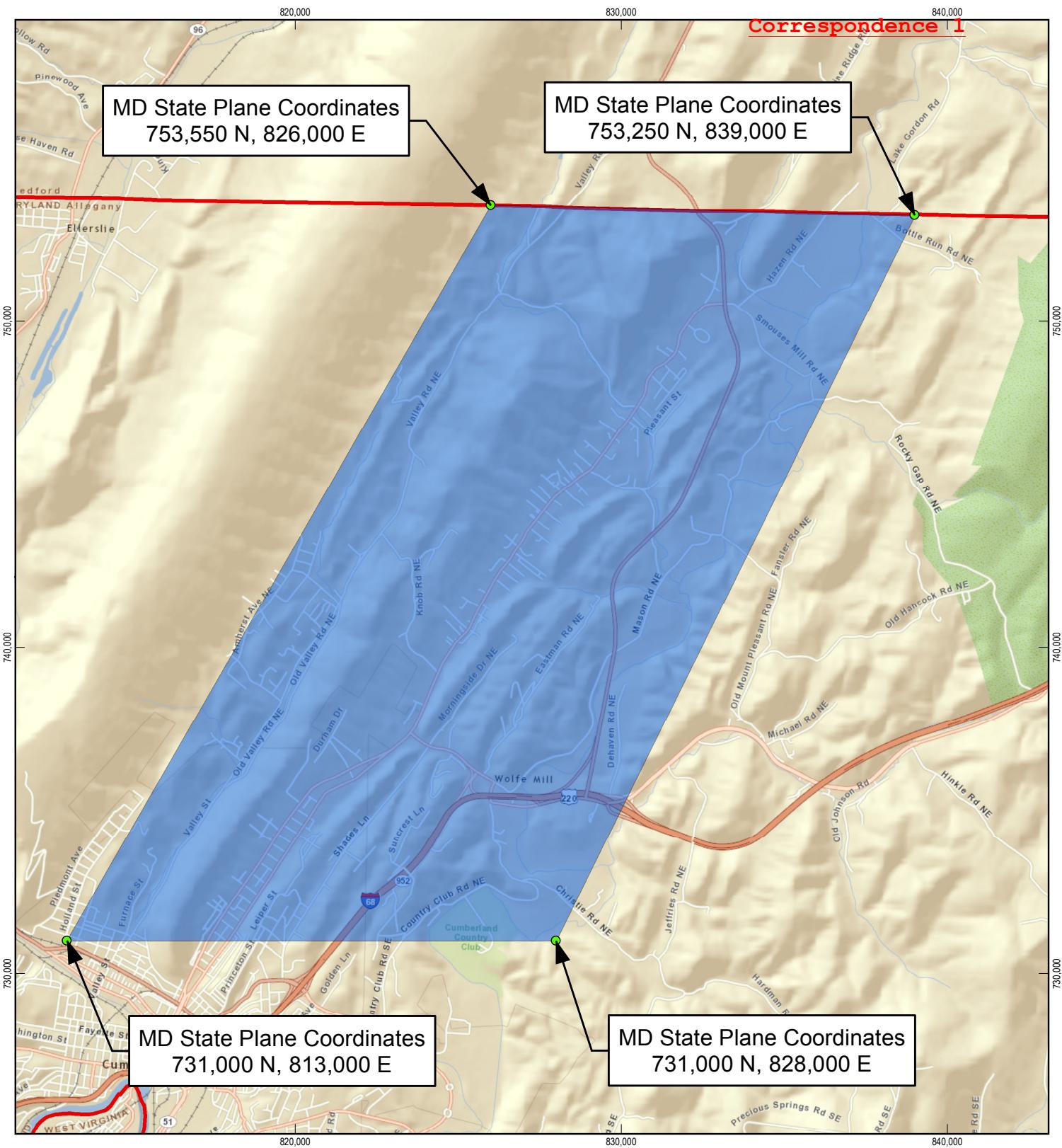
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

G:\86\14909\Permits\MD Environmental and Historical Review\MHT\2012.03.29 - Maryland Historical Trust.docx

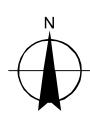


Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A

 Miles
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



CLIENTS | PEOPLE | PERFORMANCE



Allegany County Utilities Division
 Bedford Road Water Study

Job Number 86-14909
 Revision A
 Date Mar 28, 2012

Area of Interest

Figure 1



Maryland Department of Planning

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor

Maryland Historical Trust
RECEIVED
GHD, Inc.

Richard Eberhart Hall
Secretary

Matthew J. Power
Deputy Secretary

APR 13 2012

April 12, 2012

Mr. Jeff Riling, Engineer
GHD Inc.
16701 Melford Blvd., Suite 330
Bowie, MD 20715

Re: Bedford Road Water System Study
Allegany County, Maryland
Historic Preservation Review - USDA

Dear Mr. Riling:

Thank you for your recent letter, dated March 29, 2012 and received by the Maryland Historical Trust (Trust) on March 30, 2012, requesting information regarding cultural resources located within the study area for the above-referenced project. Since the project may entail federal and/or state agency involvement, the Trust is reviewing the project to assess its effects on historic properties, pursuant to Section 106 of the National Historic Preservation Act of 1966 and the Maryland Historical Trust Act of 1985. We offer the following preliminary comments and request additional information in order to provide meaningful comments regarding the undertaking's effects on historic properties, as noted below.

Project Description: According to the submitted information, the project entails an evaluation study of the existing Bedford Road Water Distribution System to provide recommended improvements. Anticipated improvements may include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station. The submittal did not provide any further information regarding the nature, extent and possible locations for the proposed facilities, related ancillary actions, and anticipated construction disturbances.

Historic and Archeological Resources: The Trust's Maryland Inventory of Historic Properties records several historic buildings, districts, and archeological sites located within and immediately adjacent to the study area. Further information regarding these resources may be found in the Trust's Library records. Additional resources may be present that have not yet been identified. The Trust will need additional details regarding the proposed project, in order to determine the need for cultural resources investigations and make meaningful comments on the project's effects on historic and archeological properties. The degree to which the project will utilize existing and previously disturbed rights of way will reduce its potential to affect cultural resources.

Section 106 Review: To continue our review of the proposed undertaking and provide an informed assessment of the project's effects, if any, on historic and archeological properties, we request the following information when available:

- More detailed descriptions of the proposed water main, storage tank, booster pumping station and any related construction activities, accompanied by site plans that illustrate existing disturbance as well as the planned improvements.
- Description of the state and/or federal agency involvements in this project (including federal and state funds or permits).



Jeff Riling
Bedford Road Water System Study
April 12, 2012
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Once we have received the additional information requested in this letter, the Trust will continue its review of the undertaking and provide appropriate comments and recommendations. We encourage you to use the optional Project Review Form and guidance materials on our website in putting together subsequent submittals:
<http://mht.maryland.gov/projectreview.html>.

We look forward to working with the involved parties to successfully complete the project's historic preservation review, as project planning proceeds. If you have questions or require further assistance, please contact me at 410-514-7631 or bcole@mdp.state.md.us. Thank you for providing us this opportunity to comment.

Sincerely,



Beth Cole
Administrator, Project Review & Compliance
Maryland Historical Trust

EJC/201201522



March 29, 2012

Mr. Devin Ray, Endangered Species Biologist
U.S. Department of the Interior
Fish and Wildlife Service
Chesapeake Bay Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401

Re: Threatened & Endangered Species Inquiry
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Mr. Ray:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the the Fish and Wildlife Service indicating that an environmental review has been performed within the area of interest shown on the attached figure. If there are any rare, threatened, or endangered species within this area, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

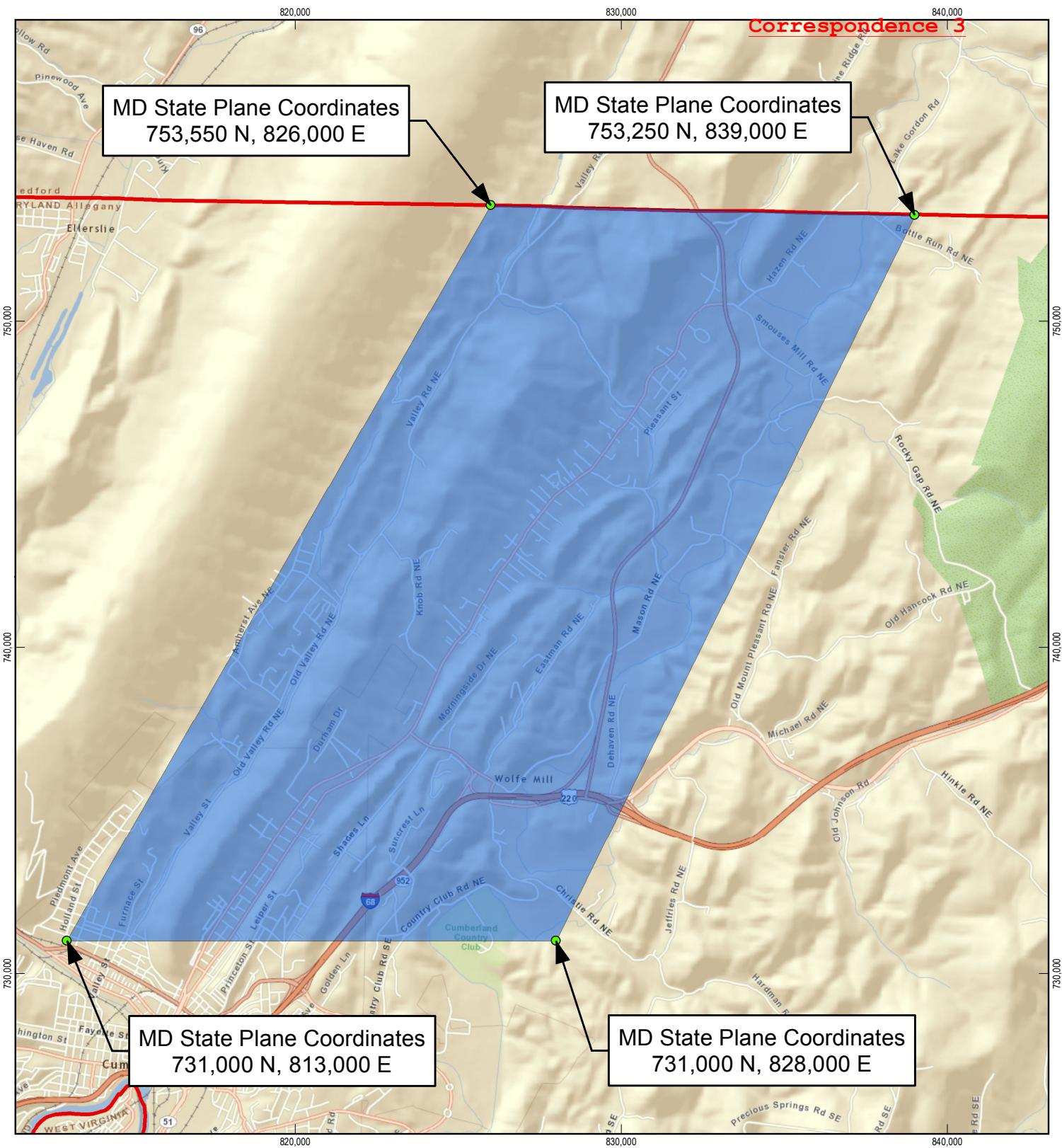
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

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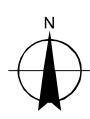


Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A

 Miles
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



Allegany County Utilities Division
 Bedford Road Water Study

Job Number 86-14909
 Revision A
 Date Mar 28, 2012

Area of Interest

Figure 1



United States Department of the Interior

FISH AND WILDLIFE SERVICE



Chesapeake Bay Field Office
177 Admiral Cochrane Drive
Annapolis, Maryland 21401
<http://www.fws.gov/chesapeakebay>

June 11, 2012

RECEIVED
GHD, Inc.

JUN 14 2012

GHD, Inc.
16701 Melford Boulevard, Suite 330
Bowie, MD 20715

RE: Bedford Road Water System Study Allegany county Department of Public Works

Dear Jeff Riling:

This responds to your letter, received March 29, 2012, requesting information on the presence of species which are federally listed or proposed for listing as endangered or threatened within the vicinity of the above reference project area. We have reviewed the information you enclosed and are providing comments in accordance with section 7 of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

Except for occasional transient individuals, no federally proposed or listed endangered or threatened species are known to exist within the project impact area. Therefore, no Biological Assessment or further section 7 Consultation with the U.S. Fish and Wildlife Service is required. Should project plans change, or if additional information on the distribution of listed or proposed species becomes available, this determination may be reconsidered.

This response relates only to federally protected threatened or endangered species under our jurisdiction. For information on the presence of other rare species, you should contact Lori Byrne of the Maryland Wildlife and Heritage Division at (410) 260-8573.

Effective August 8, 2007, under the authority of the Endangered Species Act of 1973, as amended, the U.S. Fish and Wildlife Service (Service) removed (delist) the bald eagle in the lower 48 States of the United States from the Federal List of Endangered and Threatened Wildlife. However, the bald eagle will still be protected by the Bald and Golden Eagle Protection Act, Lacey Act and the Migratory Bird Treaty Act. As a result, starting on August 8, 2007, if your project may cause "disturbance" to the bald eagle, please consult the "National Bald Eagle Management Guidelines" dated May 2007.



If any planned or ongoing activities cannot be conducted in compliance with the National Bald Eagle Management Guidelines (Eagle Management Guidelines), please contact the Chesapeake Bay Ecological Services Field Office at 410-573-4573 for technical assistance. The Eagle Management Guidelines can be found at:

<http://www.fws.gov/migratorybirds/issues/BaldEagle/NationalBaldEagleManagementGuidelines.pdf>

In the future, if your project can not avoid disturbance to the bald eagle by complying with the Eagle Management Guidelines, you will be able to apply for a permit that authorizes the take of bald and golden eagles under the Bald and Golden Eagle Protection Act, generally where the take to be authorized is associated with otherwise lawful activities. This proposed permit process will not be available until the Service issues a final rule for the issuance of these take permits under the Bald and Golden Eagle Protection Act.

An additional concern of the Service is wetlands protection. Federal and state partners of the Chesapeake Bay Program have adopted an interim goal of no overall net loss of the Basin's remaining wetlands, and the long term goal of increasing the quality and quantity of the Basin's wetlands resource base. Because of this policy and the functions and values wetlands perform, the Service recommends avoiding wetland impacts. All wetlands within the project area should be identified, and if construction in wetlands is proposed, the U.S. Army Corps of Engineers, Baltimore District, should be contacted for permit requirements. They can be reached at (410) 962-3670.

We appreciate the opportunity to provide information relative to fish and wildlife issues, and thank you for your interests in these resources. If you have any questions or need further assistance, please contact Devin Ray at (410) 573-4531.

Sincerely,



Genevieve LaRouche
Supervisor



March 29, 2012

Ms. Lori A. Byrne, Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources
Tawes State Office Building
580 Taylor Avenue
Annapolis, MD 21401

Re: Environmental Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Ms. Byrne:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Maryland Department of Natural Resources indicating that an environmental review has been performed within the area of interest shown on the attached figure. If there are any rare, threatened, or endangered species within this area, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

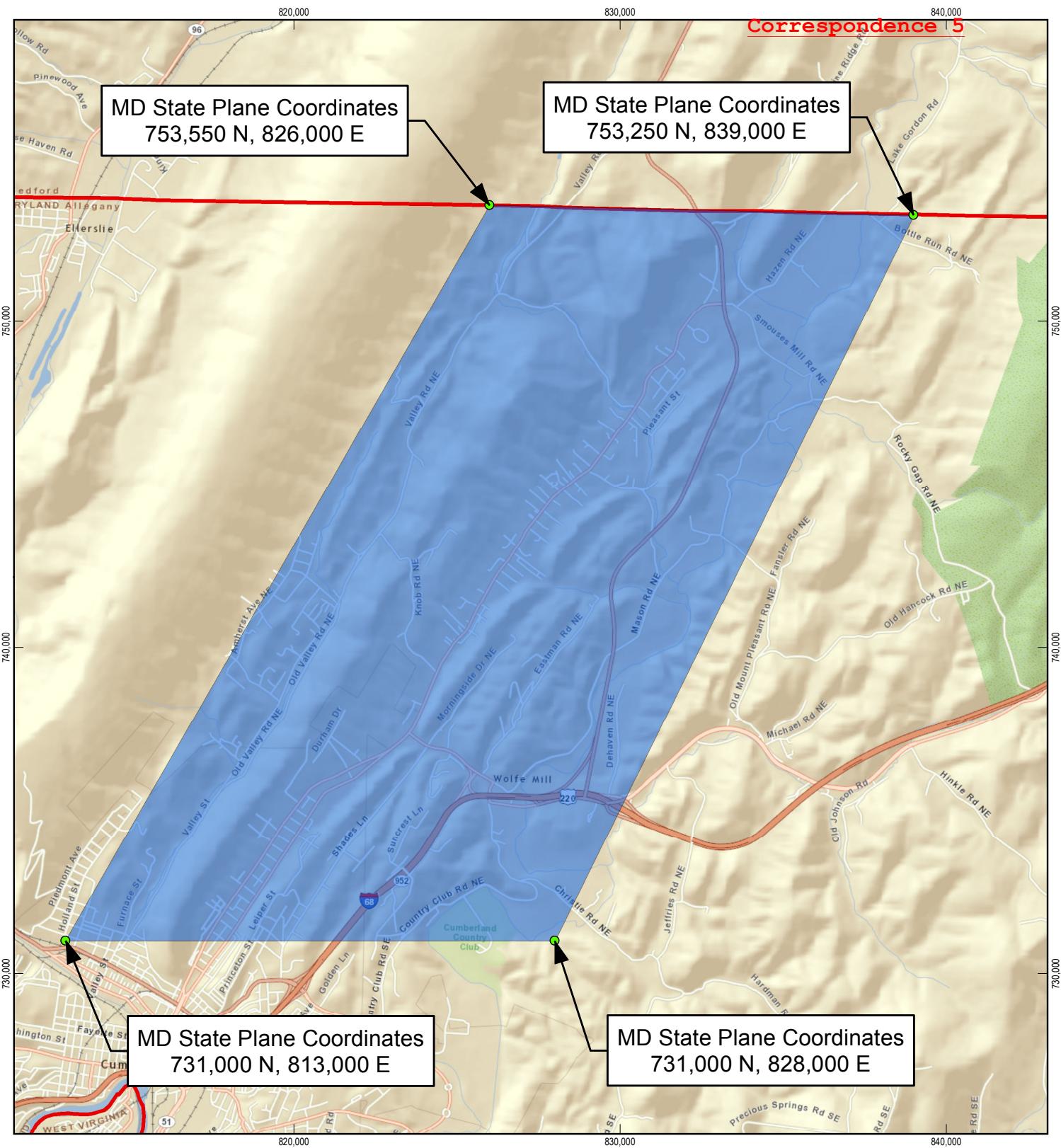
GHD INC.

Jeff Riling
Engineer

JSR/kab

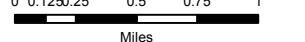
Attachment: Figure 1: Area of Interest

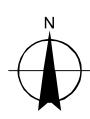
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Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A

 Miles
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



Allegany County Utilities Division
 Bedford Road Water Study

Job Number 86-14909
 Revision A
 Date Mar 28, 2012

Area of Interest

Figure 1



July 19, 2012

Mr. Jeff Riling
GHD, Inc.
16701 Melford Blvd., Suite 330
Bowie, MD 20715

**RE: Environmental Review for Bedford Road Water System Study, Allegany County
DPW, GHD No. 8614909.6, Allegany County, Maryland.**

Dear Mr. Riling:

Thank you for providing us with the revised study area map dated June 18, 2012. Based on this revised study area map, the Wildlife and Heritage Service has no records for rare, threatened or endangered species within the boundaries of the project site as delineated. This statement should not be interpreted however as meaning that rare, threatened or endangered species are not in fact present. If appropriate habitat is available, certain species could be present without documentation because adequate surveys have not been conducted.

Thank you for providing us the opportunity to review and comment. If you have any further questions regarding this information please contact me at (410) 260-8573.

Sincerely,

Lori A. Byrne,
Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources

ER# 2012.0451.al



March 30, 2012

Ms. Melinda Gretsinger
Office of Planning & Capital Programming
Maryland Department of Transportation
7201 Corporate Center Drive
P.O. Box 548
Hanover, MD. 21076

Re: MDOT Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Ms. Gretsinger:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

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The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Maryland Department of Transportation indicating that a review has been performed within the area of interest shown on the attached figure. If there are any areas of concern, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

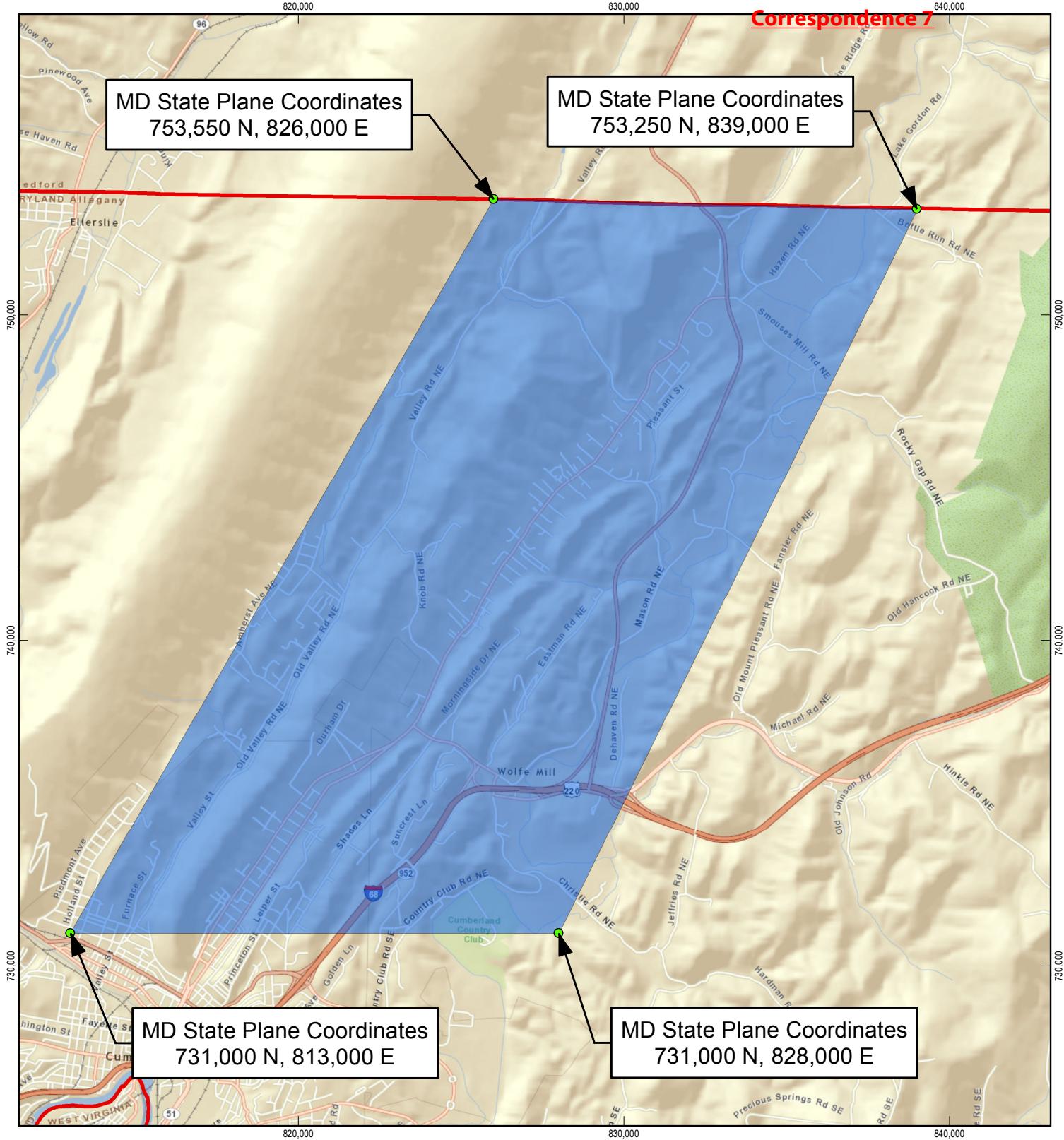
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

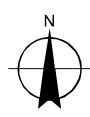
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Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A
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Miles
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Allegany County Utilities Division
Bedford Road Water Study

Job Number 86-14909
Revision A
Date Mar 28, 2012

Area of Interest

Figure 1



March 30, 2012

Ms. Joane Mueller, PIA Coordinator
Office of Communications
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230-1718

Re: MDE Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Ms. Mueller:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

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Sincerely,

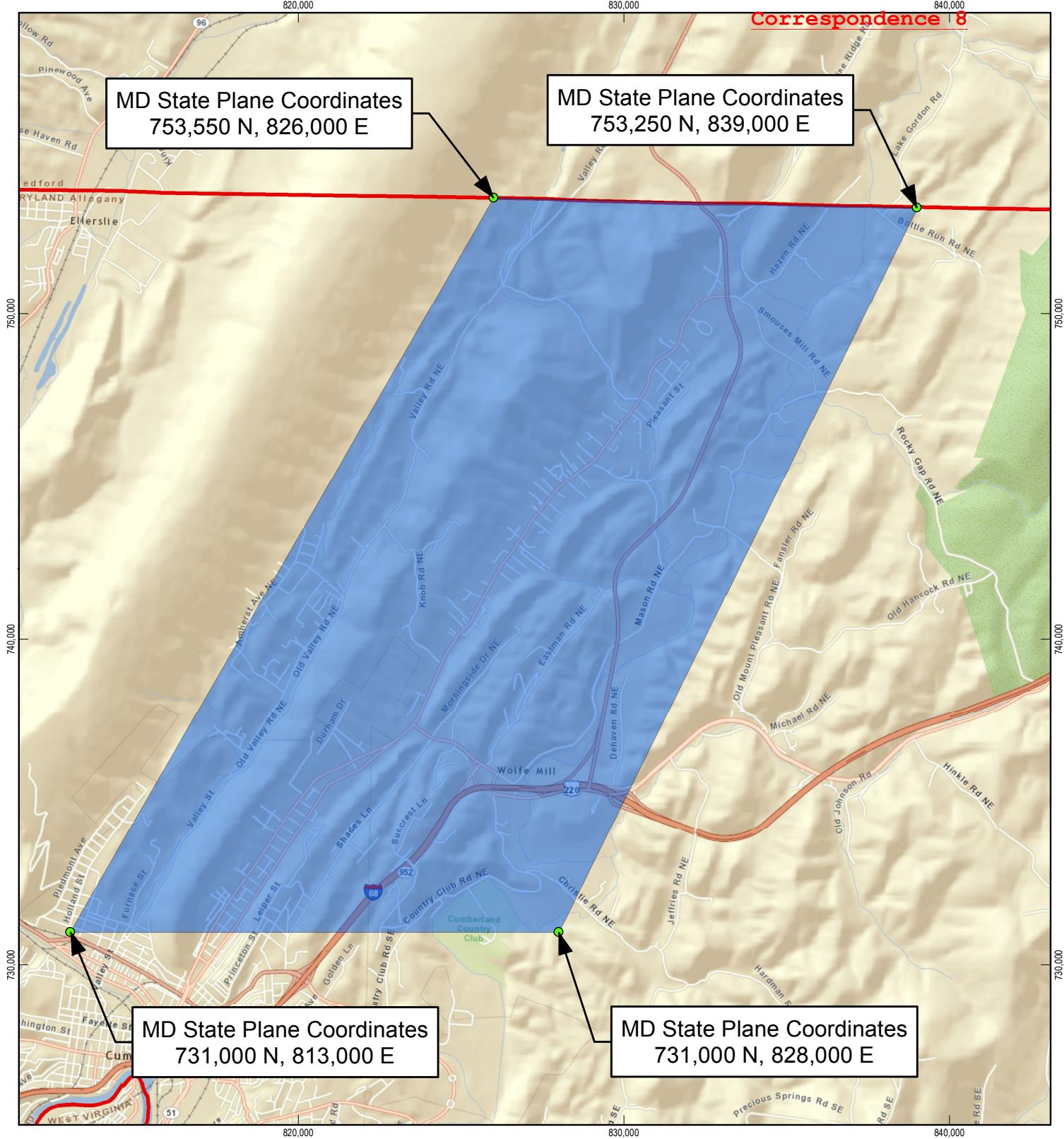
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

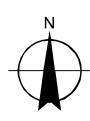
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Allegany County Utilities Division
Bedford Road Water Study

Area of Interest

Job Number 86-14909
Revision A
Date Mar 28, 2012

Figure 1



December 20, 2012

Mr. Anthony Crawford
 Maryland State Highway Administration
 1251 Vocke Road
 LaVale, MD 21502

Re: MD SHA Review
 Bedford Road Water System Study
 Allegany County Department of Public Works
 GHD No. 8614909.6

Dear Mr. Crawford:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

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If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

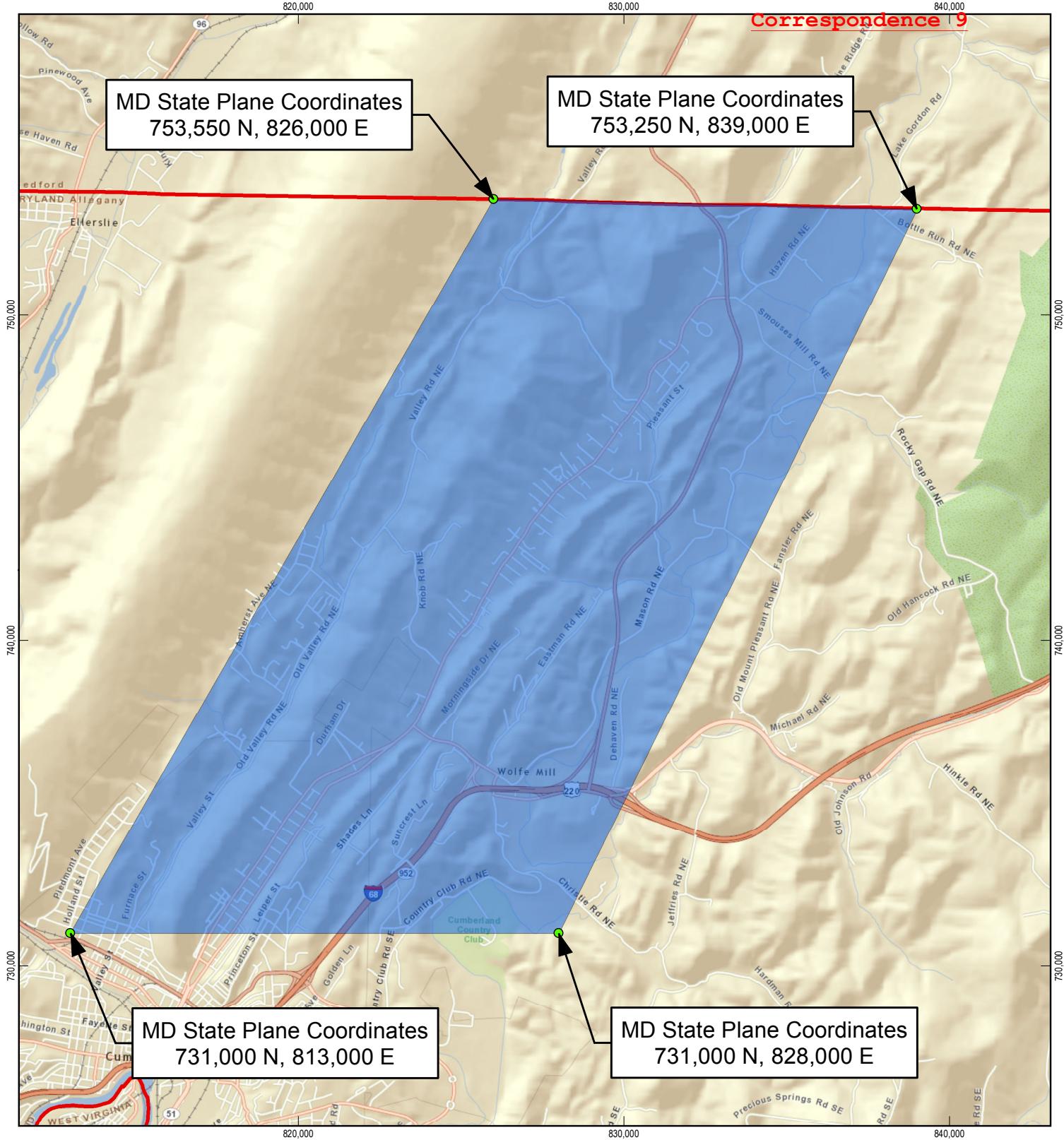
GHD INC.

Jeff Riling
 Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

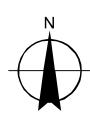
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- Area of interest
- Allegany County

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Map Projection: Lambert Conformal Conic
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Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



CLIENTS | PEOPLE | PERFORMANCE



Allegany County Utilities Division
Bedford Road Water Study

Area of Interest

Job Number 86-14909
Revision A
Date Mar 28, 2012

Figure 1

Jeff Riling

From: Linda Zerbee <lzerbee@sha.state.md.us>
Sent: Thursday, January 03, 2013 4:05 PM
To: Jeff Riling
Cc: Anthony Crawford
Subject: RE: Bedford Road Review - MD SHA

CompleteRepository: 8614909
Description: Bedford Road Water System Study
JobNo: 14909
OperatingCentre: 86
RepoEmail: 8614909@ghd.com
RepoType: Job

Good afternoon, Jeff –

Tony asked me to respond to your inquiry on his behalf. Thank you for the opportunity to provide this information.

In general, SHA has no large-scale plans in the study area shown. Our rights-of-way and improvement plans along MD 807/Bedford Road are limited, and we would not anticipate any significant impacts in this corridor. If plans are made that would follow the new US 220 corridor portion of the study area, it should be noted that SHA's right-of-way for this roadway is designated Right-of-Way-Thru-Highway, which would not allow for placement of longitudinal utility facilities (crossings are permitted by permit only). Similarly, the area shown on your attached map as Wolfe Mill (northwest quadrant of I-68/US 220 interchange) is a protected 13-acre historic site; this location also cannot be used for placement of public utility.

If you need specific mapping or other information regarding SHA's rights-of-way, please do not hesitate to contact us. Allegany County DPW maintains a GIS server which also contains this information, though we would be glad to further assist this effort in any way we can. Thank you again for letter, and please do not hesitate to contact me if you need any additional information.

- Linda

Linda Z. Puffenbarger, P.E.

Assistant District Engineer - Project Development

Maryland State Highway Administration, District 6

Phone: 301-729-8487, Toll-free: 1-800-760-7138

FAX: 301-729-8515

From: Anthony Crawford
Sent: Thursday, December 20, 2012 11:48 AM
To: Linda Zerbee
Subject: FW: Bedford Road Review - MD SHA

From: Jeff Riling [<mailto:Jeff.Riling@ghd.com>]
Sent: Thursday, December 20, 2012 11:21 AM
To: Anthony Crawford
Subject: Bedford Road Review - MD SHA

Anthony,

Please see attached for our request for a review by the Maryland State Highway Administration on the Bedford Road area of Allegany County as delineated in the attached figure. Please let me know if you have any questions or if you require additional information.

Thanks,

Jeff

Jeff Riling
Engineer

GHD

T: 240 206 6838 | V 866838 | F: 240 206 6811 | E: Jeff.Riling@ghd.com
16701 Melford Blvd., Suite 330, Bowie MD 20715 USA | <http://www.ghd.com/>



December 20, 2012

Ms. Linda Janey
Maryland Department of Planning
Clearinghouse Review
301 West Preston Street, Room 1104
Baltimore, MD 21201

Re: MDP Clearinghouse Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Ms. Janey:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

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The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Maryland Department of Planning Clearinghouse Review indicating that a review has been performed within the area of interest shown on the attached figure. If there are any areas of concern, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

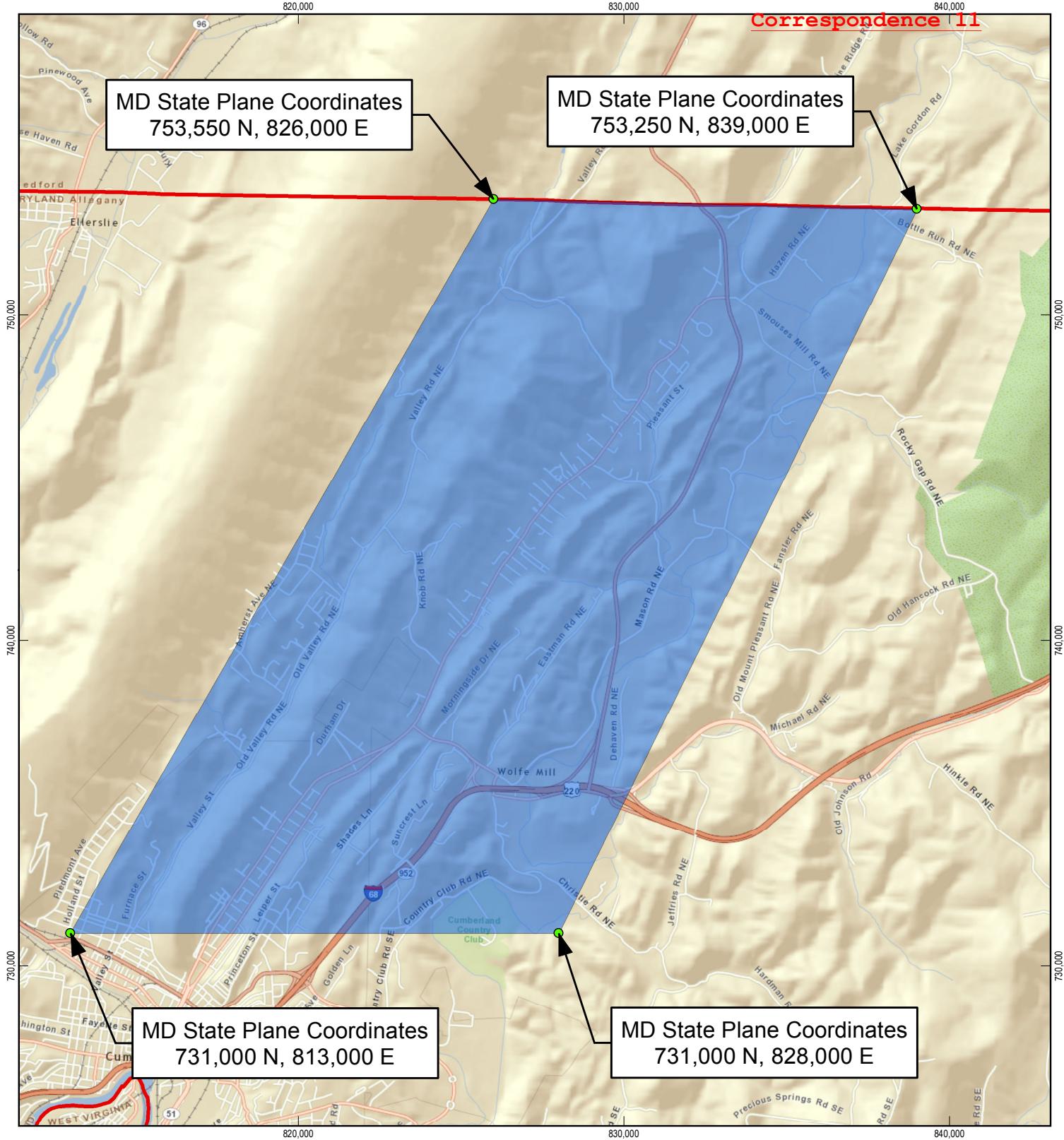
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

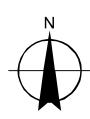
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Legend

- Area of interest points
- Area of interest
- Allegany County

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Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Allegany County Utilities Division
Bedford Road Water Study

Area of Interest

Job Number 86-14909
Revision A
Date Mar 28, 2012

Figure 1



Sustainable _____ Attainable _____

RECEIVED
GHD, Inc.

FEB 4 2013

January 15, 2013

Mr. Jeff Riling
Engineer,
GHD Inc.
16701 Melford Boulevard
Suite 330
Bowie, MD 20715

STATE CLEARINGHOUSE REVIEW PROCESS

State Application Identifier: MD20121228-0878

Reply Due Date: 02/14/2013

Project Description: USDA: Bedford Road Water System Study

Project Location: County(ies) of Allegany

Clearinghouse Contact: Rita Elliott

Dear Mr. Riling:

Thank you for submitting your project for intergovernmental review. Your participation in the Maryland Intergovernmental Review and Coordination (MIRC) process helps to ensure that your project will be consistent with the plans, programs, and objectives of State agencies and local governments.

We have forwarded your project to the following agencies and/or jurisdictions for their review and comments: the Maryland Department(s) of Natural Resources, Transportation, the Environment; and the Maryland Department of Planning; including Maryland Historical Trust. A composite review and recommendation letter will be sent to you by the reply due date. Your project has been assigned a unique State Application Identifier that you should use on all documents and correspondence.

Please be assured that we will expeditiously process your project. The issues resolved through the MIRC process enhance the opportunities for project funding and minimize delays during project implementation.

Martin O'Malley, Governor
Anthony G. Brown, Lt. Governor

Richard Eberhart Hall, AICP, Secretary
Matthew J. Power, Deputy Secretary

Mr. Jeff Riling
Page 2
State Application Identifier #: MD20121228-0878

If you need assistance or have questions, contact the State Clearinghouse staff noted above at 410-767-4490 or through e-mail at eelliott@mdp.state.md.us. Thank you for your cooperation with the MIRC process.

Sincerely,



Linda C. Janey, J.D., Assistant Secretary

P.S. Great News!! Your project may be eligible to be "FastTracked" through the State permitting processes. For more information, go to: <http://easy.maryland.gov/wordpress/fasttrack/>.

LCJ:RE
Enclosure(s)
cc: U.S. Department of Agriculture
ALLG

12-0878_NRR.NEW.doc



Sustainable _____ Attainable

RECEIVED
GHD, Inc.

MAR 04 2013

February 20, 2013

Mr. Jeff Riling, Engineer
GHD Inc.
16701 Melford Boulevard
Suite 330
Bowie, MD 20715

STATE CLEARINGHOUSE RECOMMENDATION

State Application Identifier: MD20121228-0878

Applicant: GHD Inc. and Allegany County

Project Description: USDA: Bedford Road Water System Study

Project Location: County(ies) of Allegany

Approving Authority: U.S. Department of Agriculture USDA/RUS

Funds: Federal: \$ 0.00 State: \$ 0.00 Local: \$ 0.00 Other: \$ 0.00

Recommendation: Consistent Contingent Upon Certain Action(s)

Dear Mr. Riling:

In accordance with Presidential Executive Order 12372 and Code of Maryland Regulation 34.02.01.04-06, the State Clearinghouse has coordinated the intergovernmental review of the referenced project. This letter constitutes the State process review and recommendation. This recommendation is valid for a period of three years from the date of this letter.

Review comments were requested from the Maryland Department(s) of Natural Resources, Transportation, the Environment; and the Maryland Department of Planning, including Maryland Historical Trust. As of this date, the Maryland Department(s) of Natural Resources; have not submitted comments. This recommendation is contingent upon the applicant considering and addressing any problems or conditions that may be identified by their review. Any comments received will be forwarded.

The Maryland Department(s) of Transportation (MDOT) and the Maryland Department of Planning (MDP) found this project to be consistent with their plans, programs, and objectives.

MDOT commented that MD 807 is listed in the Highway Needs Inventory (HNI) as a two-lane reconstruction project. It is unlikely that the proposed water lines will impact future roadway improvements given the 800' distance from the existing road. However, we recommend coordinating with the State Highway Administration's (SHA) District 6 Utilities Office. Mr. David Felker, Assistant District Engineer, Utilities at District 6, may be reached at (301) 729-8439. As noted in the submitted documents, appropriate coordination will be needed with SHA's District 6 Office to develop and implement appropriate traffic control measures. Please coordinate with Mr. George Small, Assistant District Engineer, Traffic at (301) 729-8444 or via email at gsmall@sha.state.md.us.

Martin O'Malley, Governor
Anthony G. Brown, Lt. Governor

Richard Eberhart Hall, AICP, Secretary
Matthew J. Power, Deputy Secretary

Mr. Jeff Riling
February 20, 2013
Page 2
State Application Identifier: MD20121228-0878

Maryland Historical Trust (MHT) stated that their finding(s) of consistency is/are contingent upon the applicant taking the action(s) summarized below.

MHT stated that, as noted in the Environmental Report, further consultation with the Maryland Historical Trust (MHT) will be needed during the design phase of the project in order to determine whether or not the proposed work will affect historic and archeological properties. The Environmental Report includes a copy of MHT's prior correspondence dated 4/12/12. MHT looks forward to working with the County and its consultants to successfully complete the project's historic preservation review under Section 106 of the National Historic Preservation Act, as project planning proceeds. (EJC)

The Maryland Department(s) of Environment (MDE) found this project to be generally consistent with their plans, programs, and objectives, but included certain qualifying comments summarized below.

MDE commented:

- 1) The Bedford Road Water System study that was presented in the clearinghouse is consistent with what the 2011 Allegany County Water and Sewer Plan says for that area. No amendment to the Water and Sewer Plan will be needed at this time. The Applicant is however reminded that any changes that occur as a result of the study's findings must be consistent with the Water and Sewer Plan, or an amendment may be necessary.
- 2) Construction, renovation and/or demolition of buildings and roadways must be performed in conformance with State regulations pertaining to "Particulate Matter from Materials Handling and Construction" (COMAR 26.11.06.03D), requiring that during any construction and/or demolition work, reasonable precaution must be taken to prevent particulate matter, such as fugitive dust, from becoming airborne.
- 3) If soil contamination is present, a permit for soil remediation is required from MDE's Air and Radiation Management Administration. Please contact the New Source Permits Division, Air and Radiation Management Administration at (410) 537-3230 to learn about the State's requirements for these permits.
- 4) If a project receives federal funding, approvals and/or permits, and will be located in a nonattainment area or maintenance area for ozone or carbon monoxide, the applicant should determine whether emissions from the project will exceed the thresholds identified in the federal rule on general conformity. If the project emissions will be greater than 25 tons per year, contact James Wilkinson, Air and Radiation Management Administration, at (410) 537-3245 for further information regarding threshold limits.
- 5) The applicant should be advised that no cutback asphalt should be used during the months of June, July and August.
- 6) Development should be concentrated in suitable areas such as existing or planned population centers as identified in a county's comprehensive plan.
- 7) Any solid waste including construction, demolition and land clearing debris, generated from the subject project, must be properly disposed of at a permitted solid waste acceptance facility, or recycled if possible. Contact the Solid Waste Program at (410) 537-3315 for additional information regarding solid waste activities and contact the Waste Diversion and Utilization Program at (410) 537-3314 for additional information regarding recycling activities.

Mr. Jeff Riling
February 20, 2013
Page 3
State Application Identifier: **MD20121228-0878**

Any statement of consideration given to the comments(s) should be submitted to the approving authority, with a copy to the State Clearinghouse.

The State Application Identifier Number must be placed on any correspondence pertaining to this project. The State Clearinghouse must be kept informed if the approving authority cannot accommodate the recommendation.

Please remember, you must comply with all applicable state and local laws and regulations. If you need assistance or have questions, contact the State Clearinghouse staff person noted above at 410-767-4490 or through e-mail at elliott@mdp.state.md.us. Also please complete the attached form and return it to the State Clearinghouse as soon as the status of the project is known. *Any substitutions of this form must include the State Application Identifier Number.* This will ensure that our files are complete.

Thank you for your cooperation with the MIRC process.

Sincerely,



Linda C. Janey, J.D., Assistant Secretary

LCJ:RE
Enclosure(s)

cc: U.S. Department of Agriculture (USDA/RUS)

ALLG

Greg Golden - DNR

Melinda Gretsinger - MDOT

Amanda Degen - MDE

LaVerne Gray - MDPLR&WC

Beth Cole - MHT

12-0878_CRR.CLS2.doc



Sustainable _____ Attainable _____

PROJECT STATUS FORM

Please complete this form and return it to the State Clearinghouse upon receipt of notification that the project has been approved or not approved by the approving authority.

TO: Maryland State Clearinghouse
 Maryland Department of Planning
 301 West Preston Street
 Room 1104
 Baltimore, MD 21201-2305

DATE: _____
 (Please fill in the date form completed)

FROM: _____
 (Name of person completing this form.)

PHONE: _____
 (Area Code & Phone number)

RE: State Application Identifier: **MD20121228-0878**
 Project Description: USDA: Bedford Road Water System Study

PROJECT APPROVAL

This project/plan was: Approved Approved with Modification Disapproved

Name of Approving Authority: _____ Date Approved: _____

FUNDING APPROVAL

The funding (if applicable) has been approved for the period of:

_____, 201____ to _____, 201____ as follows:

Federal \$:	Local \$:	State \$:	Other \$:
_____	_____	_____	_____

OTHER

Further comment or explanation is attached

Martin O'Malley, Governor
 Anthony G. Brown, Lt. Governor

Richard Eberhart Hall, AICP, Secretary
 Matthew J. Power, Deputy Secretary



December 20, 2012

Mr. Craig Hartsock
Allegany Soil Conservation District
12407 Naves Crossroads
Cumberland, MD 21502

Re: Allegany SCD Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Mr. Hartsock:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Allegany Soil Conservation District indicating that a review has been performed within the area of interest shown on the attached figure. If there are any areas of concern, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

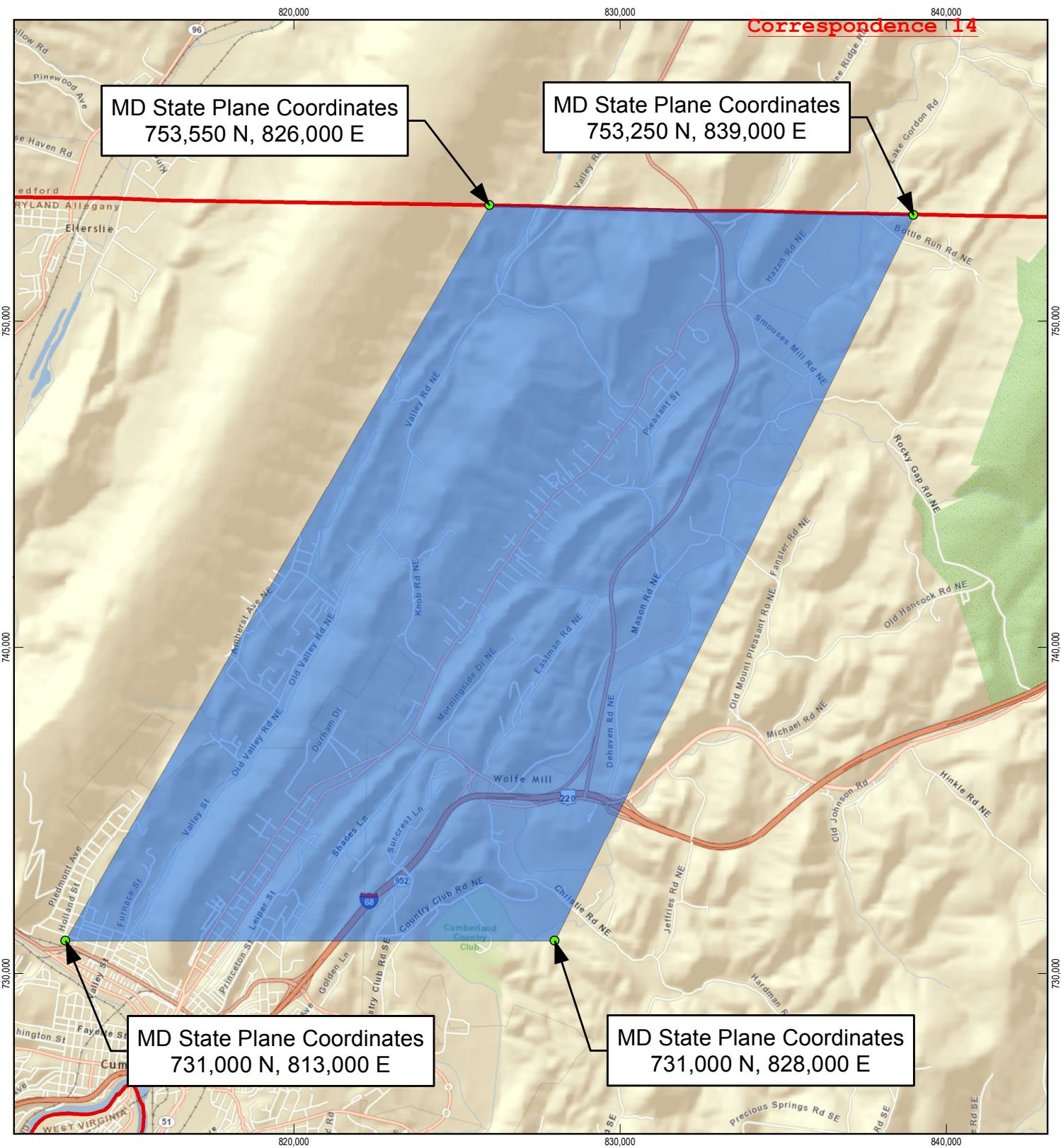
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

G:\86\14909\Permits\Environmental and Historical Review\Allegany SCD\2012.12.20 - Allegany SCD.docx

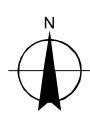


Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A

 Miles
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



Allegany County Utilities Division
 Bedford Road Water Study

Job Number 86-14909
 Revision A
 Date Mar 28, 2012

Area of Interest

Figure 1



March 30, 2012

Mr. Carl Robinette, Soil Conservationist
Natural Resources Conservation Service
U.S. Dept. of Agriculture
12407 Naves Crossroads, NE,
Cumberland, MD 21502 - 8212

Re: NRCS Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Mr. Robinette:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Natural Resources Conservation Service indicating that a review has been performed within the area of interest shown on the attached figure. If there are any areas of concern, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

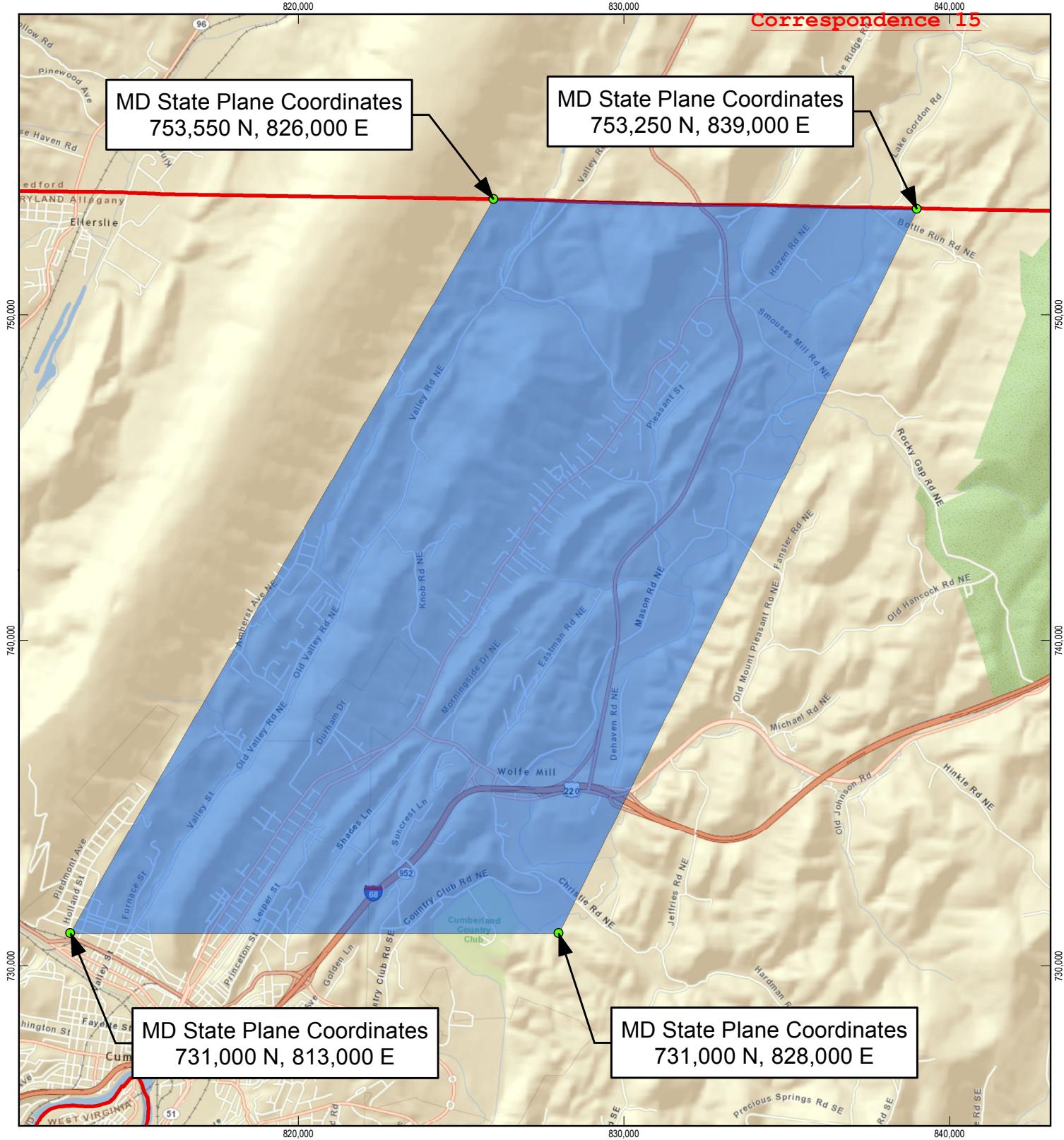
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

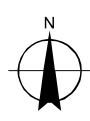
G:\86\14909\Permits\Environmental and Historical Review\NRCS\2012.03.30 - NRCS.docx



Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A
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Miles
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



CLIENTS | PEOPLE | PERFORMANCE



Allegany County Utilities Division
Bedford Road Water Study

Area of Interest

Job Number 86-14909
Revision A
Date Mar 28, 2012

Figure 1



December 20, 2012

Mr. Paul Goldsworthy
Allegany County Dept. of Public Works
Roads Division
701 Kelly Road
Cumberland, MD 21502

Re: Allegany DPW Roads Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Mr. Goldsworthy:

The Bedford Road area of Allegany County is a 3.3 mile long by 0.5 mile wide strip of approximately 550 homes and businesses generally centered along Bedford Road (Maryland Route 807) from Nave's Crossroads to the Maryland-Pennsylvania border. See Figure 1 (attached) for a map of the area. The area is served by numerous old, inadequately sized water mains with no fire protection hydrants. Inadequate water pressure and volume are issues throughout much of the area.

GHD has been retained by Allegany County to conduct an evaluation of the existing Bedford Road Water Distribution System and to provide recommended improvements to meet present needs and future requirements of the system. It is anticipated that the recommended improvements will include a new water main alignment along Bedford Road, a water storage tank, and a booster pumping station.

The project will be funded by a grant from USDA - Rural Development, which requires the County to submit an Environmental Report, detailing the potential environmental impacts of the project. To assist in the development of the report and to minimize the environmental impact of the project, GHD would appreciate documentation from the Allegany County Department of Public Works Roads Division indicating that a review has been performed within the area of interest shown on the attached figure. If there are any areas of concern, please provide information detailing their location and extent.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6838.

Sincerely,

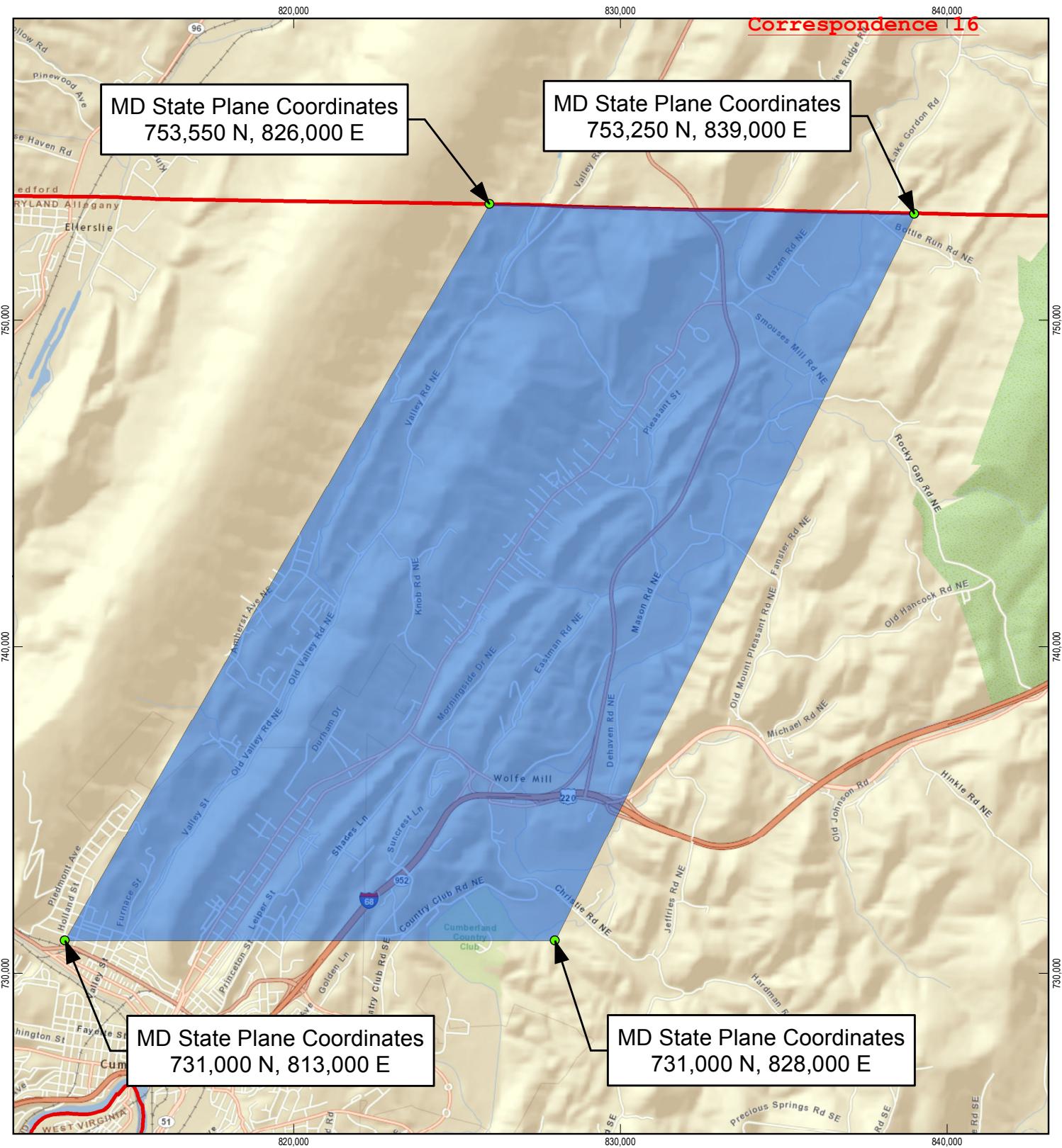
GHD INC.

Jeff Riling
Engineer

JSR/kab

Attachment: Figure 1: Area of Interest

G:\86\14909\Permits\Environmental and Historical Review\Allegany DPW Roads\2012.12.20 - Allegany DPW.docx

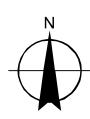


Legend

- Area of interest points
- Area of interest
- Allegany County

Paper Size ANSI A

 Miles
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



CLIENTS | PEOPLE | PERFORMANCE



Allegany County Utilities Division
 Bedford Road Water Study

Area of Interest

Job Number 86-14909
 Revision A
 Date Mar 28, 2012

Figure 1



**ALLEGANY COUNTY
DEPARTMENT OF PUBLIC WORKS
ROADS DIVISION**

701 Kelly Road
Cumberland, MD 21502
(301) 777-5955 FAX (301) 777-1439

RECEIVED
GHD, Inc.

DEC 20 2012

BOARD OF COMMISSIONERS

Michael W. McKay, President
Creade V. Brodie, Jr., Commissioner
William R. Valentine, Commissioner

David A. Eberly, County Administrator
Paul F. Kahl, P.E., Director of Public Works

December 20, 2012

Jeff Riling
GHD, Inc.
16701 Melford Blvd.
Suite 330
Bowie, MD 20715

Re: Allegany DPW Roads Review
Bedford Road Water System Study
Allegany County Department of Public Works
GHD No. 8614909.6

Dear Mr. Riling,

The Allegany County Department of Public Works-Roads Division does not feel that the rehabilitation of the Bedford Road Water Distribution System will affect the Allegany County Road system, except for the flow of traffic and any excavation needed to replace and/or install a water system in the Allegany County right of way. Please contact the Roads Division, before construction, to obtain a permit that will address these issues.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Goldsworthy".

Paul Goldsworthy
Roads Superintendent

cc: file

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
STANDARD FLOOD HAZARD DETERMINATION FORM (SFHDF)

Correspondence 18

See The Attached
Instructions

O.M.B. No. 1660-0040
Expires May 30, 2015

SECTION I - LOAN INFORMATION

1. LENDER NAME AND ADDRESS

USDA Rural Development
1221 College Park Drive, Suite 200
Dover, DE 19904

2. COLLATERAL (Building/Mobile Home/Property)

PROPERTY ADDRESS AND PARCEL NUMBER (See Instructions section for more information)
Bedford Road, Cumberland, Maryland, Allegany County

3. LENDER ID NO.
24-002-0862499650

4. LOAN IDENTIFIER
N/A

5. AMOUNT OF FLOOD INSURANCE REQUIRED
0

SECTION II

A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION

1. NFIP Community Name Allegany County (MD) unincorporated areas	2. County(ies) Allegany	3. State MD	4. NFIP Community Number 24001 0052A, 0053A, 0054A, 0061A, & 0062A
--	-----------------------------------	-----------------------	--

B. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) DATA AFFECTING BUILDING/MOBILE HOME

1. NFIP Map Number or Community-Panel Number (Community name, if not the same as "A") 24001 0052A, 0053A, 0054A, 0061A & 0062A	2. NFIP Map Panel Effective/Revised Date February 19, 1981	3. LOMA/LOMR Number N/A	4. Flood Zone C	5. No NFIP Map N/A
--	--	-----------------------------------	---------------------------	------------------------------

C. FEDERAL FLOOD INSURANCE AVAILABILITY (Check all that apply)

- Federal flood insurance is available (community participates in the NFIP). Regular Program Emergency Program of NFIP
- Federal flood insurance is not available because community is not participating in the NFIP.
- Building/Mobile Home is in a Coastal Barrier Resources Area (CBRA) or Otherwise Protected Area (OPA). Federal Flood Insurance may not be available.

CBRA/OPA Designation Date: _____

D. DETERMINATION

IS BUILDING/MOBILE HOME IN SPECIAL FLOOD HAZARD AREA (ZONES CONTAINING THE LETTERS "A" OR "V")? YES NO

If yes, flood insurance is required by the Flood Disaster Protection Act of 1973.

If no, flood insurance is not required by the Flood Disaster Protection Act of 1973. Please note, the risk of flooding in this area is only reduced, not removed.

E. COMMENTS (Optional)

The project location is in Zone C. The proposed pump stations, storage tanks, and alignment are outside the floodplain. There are some outlying areas that are listed in Zone B and Zone A-4, but these floodplains are over a half a mile east of the proposed alignments near Evitts Creek.

This determination is based on examining the NFIP map, any Federal Emergency Management Agency revisions to it, and any other information needed to locate the building/mobile home on the NFIP map.

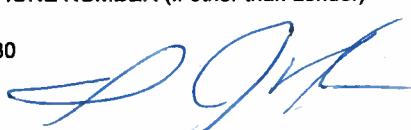
F. PREPARER'S INFORMATION

NAME, ADDRESS, TELEPHONE NUMBER (If other than Lender)

David Kerr

16701 Melford Blvd, Suite 330

Bowie MD 20715 USA



DATE OF DETERMINATION

9-25-2013

STANDARD FLOOD HAZARD DETERMINATION FORM INSTRUCTIONS
PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 20 minutes per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is mandatory. You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington VA 20598-3005, Paperwork Reduction Project (1660-0040). **NOTE: DO NOT SEND YOUR COMPLETED FORM TO THIS ADDRESS.**

SECTION 1

1. LENDER NAME: Enter lender name and address.
2. COLLATERAL (Building/Mobile Home/Personal Property) PROPERTY ADDRESS: Enter property address for the insurable collateral. In rural areas, a postal address may not be sufficient to locate the property. In these cases, legal property descriptions may be used and may be attached to the form if space provided is insufficient. If other identifiers are available, such as Longitude/Latitude, please use any that will help describe the collateral location properly. Additional information may be attached.
3. LENDER ID NO: The lender funding the loan should identify itself as follows: FDIC-insured lenders should indicate their FDIC Insurance Certificate Number; Federally-insured credit unions should indicate their charter/insurance number; Farm Credit institutions should indicate their UNINUM number. Other lenders who fund loans sold to or securitized by FNMA or FHLMC should enter FNMA or FHLMC seller/service number.
4. LOAN IDENTIFIER: Optional. May be used by lenders to conform with their individual method of identifying loans.
5. AMOUNT OF FLOOD INSURANCE REQUIRED: Optional. The minimum federal requirement for this amount is the lesser of: the outstanding principal loan balance; the value of the improved property, mobile home and/or personal property used to secure the loan; or the maximum statutory limit of flood insurance coverage. Lenders may exceed the minimum federal requirements. National Flood Insurance Program (NFIP) policies do not provide coverage in excess of the insured value of the building/mobile home/personal property.

SECTION 2

A. NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMMUNITY JURISDICTION

1. NFIP Community Name: Enter the complete name of the community (as indicated on the NFIP map) in which the building or mobile home is located. Under the NFIP, a community is the political unit that has authority to adopt and enforce floodplain management regulations for the areas within its jurisdiction. A community may be any State or area or political subdivision thereof, or any Indian tribe or authorized tribal organization, or Alaska Native village or authorized native organization. (Examples: Brewer, City of; Washington, Borough of; Worchester, Township of; Baldwin County; Jefferson Parish) For a building or mobile home that may have been annexed by one community but is shown on another community's NFIP map, enter the Community Name for the community with land-use jurisdiction over the building or mobile home.
2. County(ies): Enter the name of the county or counties in which the community is located. For unincorporated areas of a county, enter "unincorporated areas." For independent cities, enter "independent city."
3. State: Enter the two-digit state abbreviation. (Examples: VA, TX, CA)
4. NFIP Community Number: Enter the 6-digit NFIP community number. This number can be determined by consulting the NFIP Community Status Book or can be found on the NFIP map; copies of either can be obtained from FEMA's Website <http://msc.fema.gov> or by calling 1-800-358-9616. If no NFIP Community Number exists for the community, enter "none."

B. NFIP DATA AFFECTING BUILDING/MOBILE HOME

The information in this section (excluding the LOMA/LOMR information) is obtained by reviewing the NFIP map on which the building/mobile home is located. The current NFIP map may be obtained from FEMA by calling 1-800-358-9616. Scanned copies of the NFIP maps can be viewed on FEMA's website at <http://msc.fema.gov>. Note that even when an NFIP map panel is not printed, it may be reflected on a community's NFIP map index with its proper number, date, and flood zone indicated; enter these data accordingly.

1. **NFIP Map Number or Community-Panel Number.** Enter the 11-digit number shown on the NFIP map that covers the building or mobile home. (Examples: 480214 0022C; 58103C0075F). Some older maps will have a 9-digit number (Example: 12345601A). Note that the first six digits will not match the NFIP Community Number when the sixth digit is a "C" or when one community has annexed land from another but the NFIP map has not yet been updated to reflect this annexation. When the sixth digit is a "C", the NFIP map is in countywide format and shows the flood hazards for the geographic areas of the county on one map, including flood hazards for incorporated communities and for any unincorporated county contained within the county's geographic limits. Such countywide maps will list an NFIP Map Number. For maps not in such countywide format, the NFIP will list a Community-Panel Number on each panel. If no NFIP map is in effect for the location of the building or mobile home, enter "none."

2. **NFIP Map Panel Effective/Revised Date.** Enter the map effective date or the map revised date shown on the NFIP map. (Example: 6/15/93) This will be the latest of all dates shown on the map.

3. **LOMA/LOMR.** If a Letter of Map Amendment (LOMA) or Letter of Map Revision (LOMR) has been issued by FEMA since the current Map Panel Effective/Revised Date that revises the flood hazards affecting the building or mobile home, check "yes" and specify the date of the letter; otherwise, no entry is required. Information on LOMAs and LOMRs is available from the following sources:

* The community's official copy of its NFIP map should have a copy of all subsequently-issued LOMAs and LOMRs attached to it.

* For LOMAs and LOMRs issued on or after October 1, 1994, FEMA publishes a list of these letters twice a year as a compendium in the Federal Register. This information is also available on FEMA's website at <http://msc.fema.gov>.

* A subscription service providing digitized copies of these letters on CD-ROM is also available by calling 1-800-358-9616.

4. **Flood Zone.** Enter the flood zone(s) covering the building or mobile home. (Examples: A, AE, A4, AR, AR/A, AR/AE, AR/AO, V, VE, V12, AH, AO, B, C, X, D) If any part of the building or mobile home is within the Special Flood Hazard Area (SFHA), the entire building or mobile home is considered to be in the SFHA. All flood zones beginning with the letter "A" or "V" are considered Special Flood Hazard Areas (SFHAs). Each flood zone is defined in the legend of the NFIP map on which it appears. If there is no NFIP map for the subject area, enter "none."

5. **No NFIP Map.** If no NFIP map covers the area where the building or mobile home is located, check this box.

C. **FEDERAL FLOOD INSURANCE AVAILABILITY.** Check all boxes that apply; however, note that boxes 1 (Federal Flood Insurance is available ...) and 2 (Federal Flood Insurance is not available ...) are mutually exclusive. Federal flood insurance is available to all residents of a community that participates in the NFIP. Community participation status can be determined by consulting the NFIP Community Status Book, which is available from FEMA and at <http://www.fema.gov/fema/csb.shtm>. The NFIP Community Status Book will indicate whether or not the community is participating in the NFIP and whether participation is in the Emergency or Regular Program. If the community participates in the NFIP, check either Regular Program or Emergency Program. To obtain Federal flood insurance, a copy of this completed form may be provided to an insurance agent.

Federal flood insurance is prohibited in designated Coastal Barrier Resources Areas (CBRA) and Otherwise Protected Areas (OPAs) for buildings or mobile homes built or substantially improved after the date of the CBRA or OPA designation. Information about the Coastal Barrier Resources System may be obtained on FEMA's website at <http://www.fema.gov/plan/prevent/floodplain/nfipkeywords/cbtrs.shtm>

D. **DETERMINATION.** If any portion of the building/mobile home is in an identified Special Flood Hazard Area (SFHA), check yes (flood insurance is required). If no portion of the building/mobile home is in an identified SFHA, check no. If no NFIP map exists for the community, check no. If no NFILP map exists, Section B5 should also be checked.

E. **COMMENTS.** Optional.

F. **PREPARER'S INFORMATION.** If other than the lender, enter the name, address, and telephone number of the company or organization performing the flood hazard determination. An individual's name may be included, but is not required.

Date of Determination. Enter date on which flood hazard determination was completed.

MULTIPLE BUILDINGS: If the loan collateral includes more than one building, a schedule for the additional buildings/mobile homes indicating the determination for each may be attached. Otherwise, a separate form must be completed for each building or mobile home. Any attachments should be noted in the comment section. A separate flood insurance policy is required for each building or mobile home.

GUARANTEES REGARDING INFORMATION: Determinations on this form made by persons other than the lender are acceptable only to the extent that the accuracy of the information is guaranteed.

FORM AVAILABILITY: Copies of this form are available from the FEMA fax-on-demand line by calling (202) 646-FEMA and requesting form #23103. Guidance on using the form in a printed, computerized, or electronic format is contained in form #23110. This information is also available on FEMA's website http://www.fema.gov/plan/prevent/fhm/frm_form.shtm.

PURPOSE OF FORM: In accordance with P.L. 103-325, Sec. 1365, (b) (1), this form has been designated to facilitate compliance with the flood insurance purchase requirements of the National Flood Insurance Reform Act of 1994.



December 23, 2013

Ms. Elizabeth Cole, Administrator
Project Review and Compliance
Maryland Historical Trust
100 Community Place
Crownsville, MD 21032

Re: Bedford Road Water System Improvements ER
GHD No. 8614909.6

Dear Ms. Cole:

In her comment letter dated November 18, 2013 regarding the Bedford Road Water System Improvements Environmental Report (ER), Brandi Burwell with USDA instructed us to submit additional information to you on the Bedford Road project. We are still in the study phase of the project so a specific pipe layout has not been determined yet. However, please see attached for the following figures developed for the ER and the Preliminary Engineering Report (PER):

- ER Figure 8 – Historical Sites
- PER Figure 4 – Proposed Southern Tie-in and Pump Station
- PER Figure 5 – Proposed Northern Tie-in and Pump Station
- PER Figure 7 – Proposed Southern Tank location
- PER Figure 8 – Proposed Northern Tank location

These figures show more information on the location of the proposed pipe, tie-in, pump station, and tank locations as well as historical sites in the area.

During detailed design, detailed descriptions of the proposed water main, pump stations and storage tanks, including site plans illustrating disturbance, will be provided to the Maryland Historic Trust.

If you have any questions or concerns regarding the enclosed material and request, please do not hesitate to contact me at (240) 206-6824.

Sincerely,

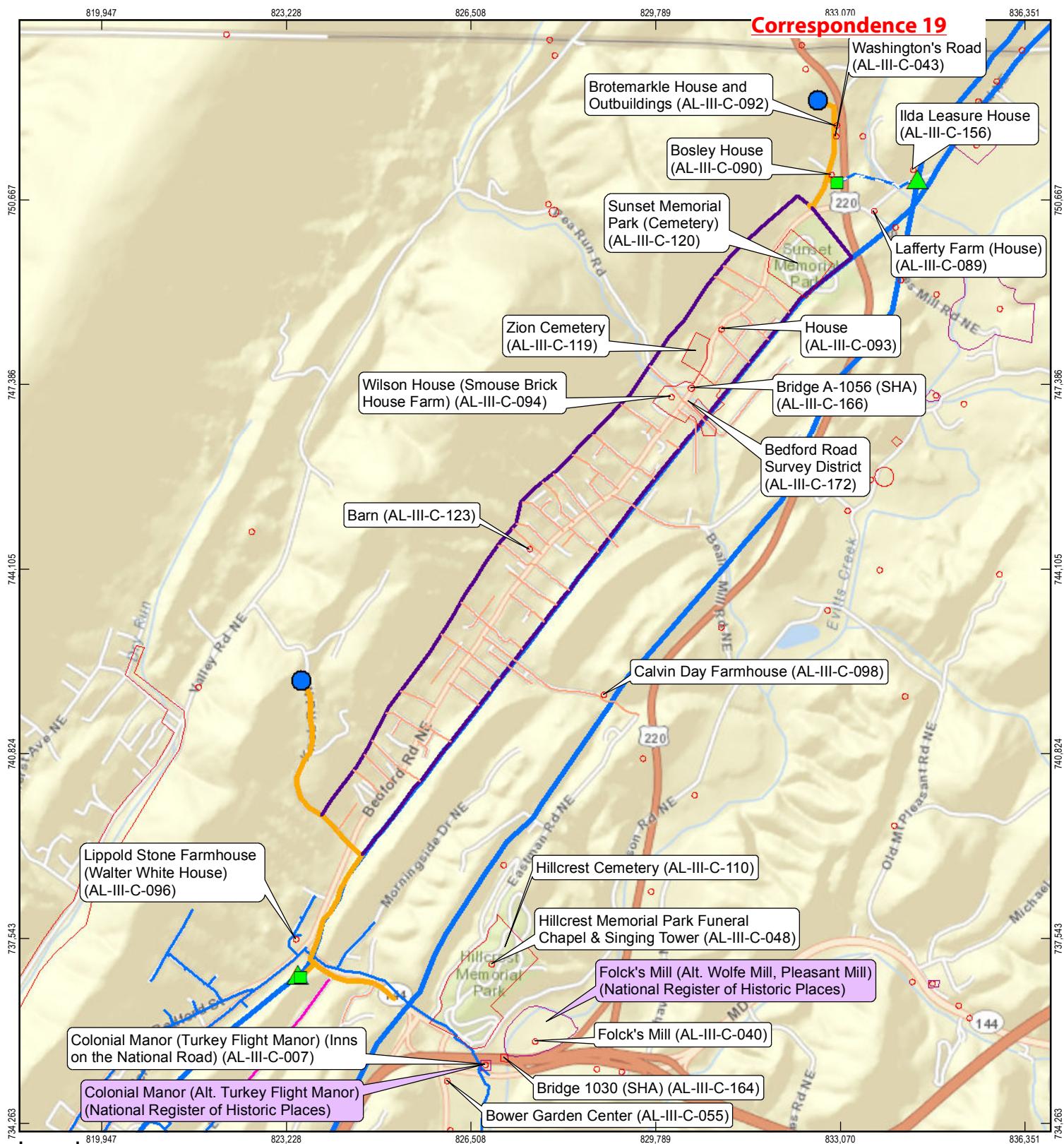
GHD INC.


David Kerr, P.E.
Project Manager

DJK/jsr/kab

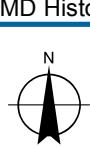
Attachments: Revised ER and PER Figures

cc: Mark Yoder, Allegany County Department of Public Works



Legend

Historic Properties	Proposed Pump Stations	Proposed Alignment (Alt B)
MD Inventory of Historic Properties	Connections to existing	Existing Cumberland Transmission Water Lines
National Register of Historic Places	Proposed Tank Locations	Existing Cumberland Minor Water Lines



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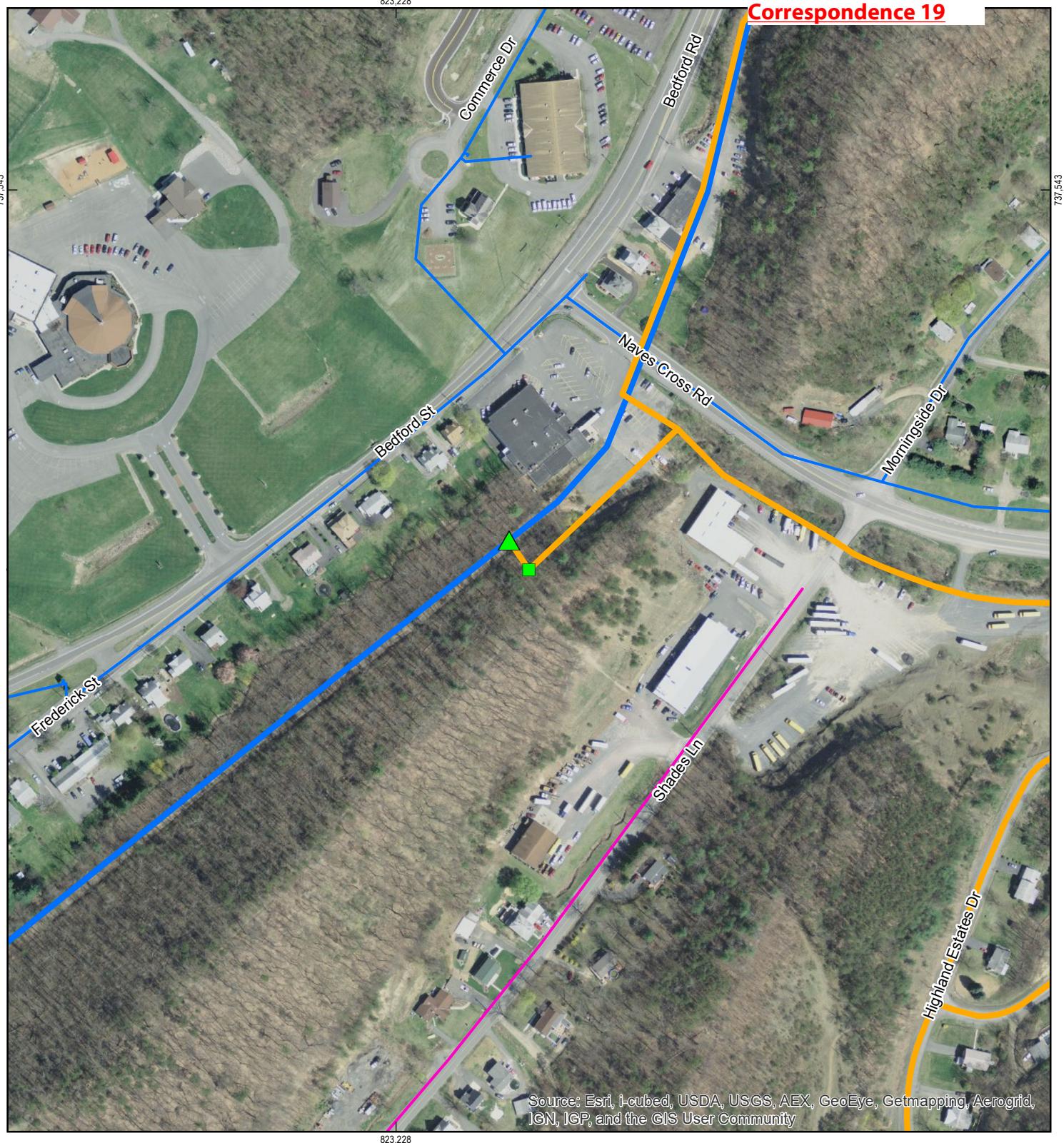


Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date Dec 17, 2013

Historical Sites

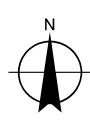
Figure 8



Legend

■ New Pump Stations	— Existing Cumberland Transmission Water Lines	— Existing County Water Lines
▲ Connections to existing	— Existing Cumberland Minor Water Lines	— Proposed Alignment

Paper Size ANSI A
0.00 0.01 0.02 0.03 0.04
Miles
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet

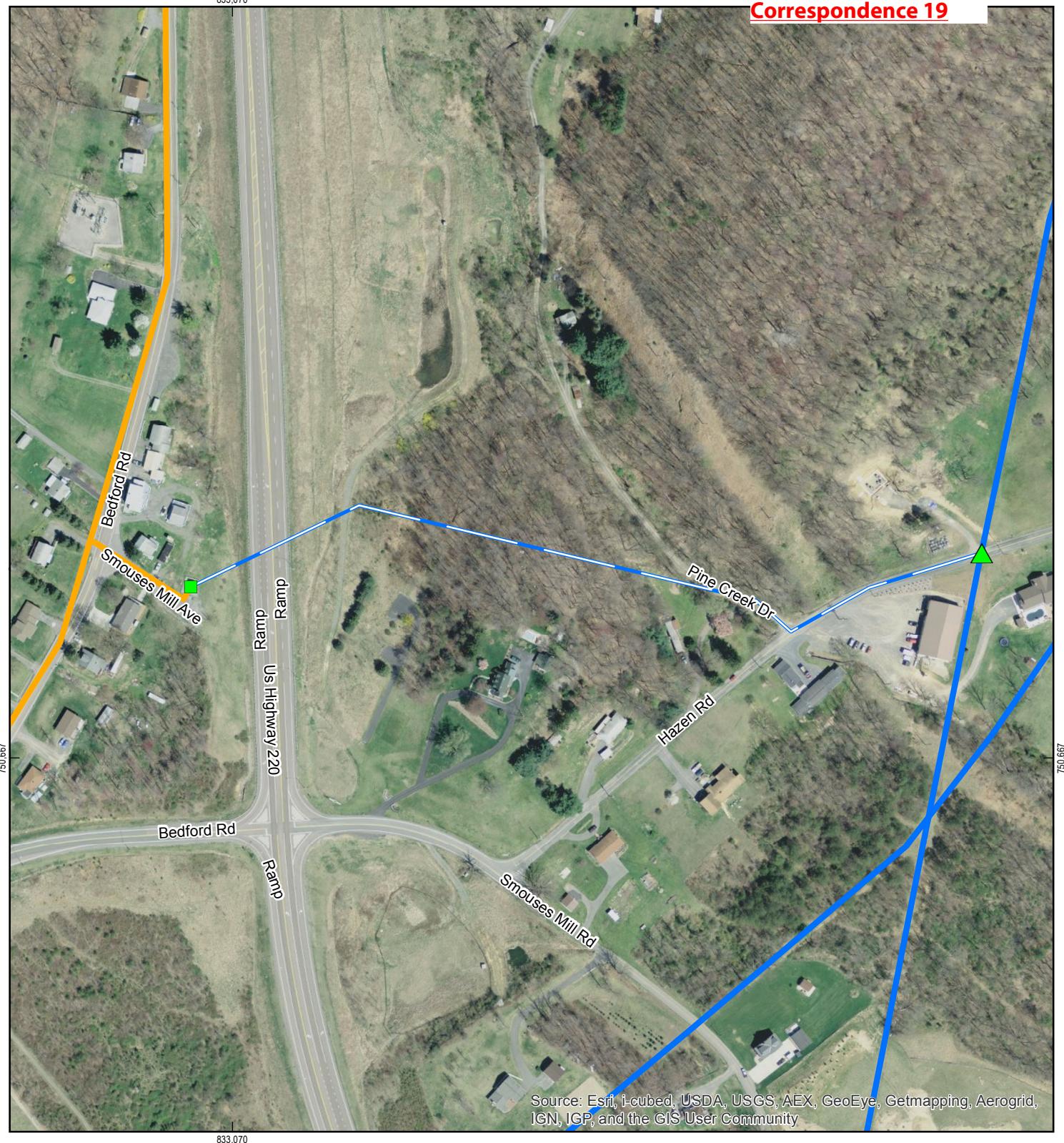


Allegany County Commissioners
Bedford Road Water Study - PER

Job Number 86-14909
Revision A
Date Dec 18, 2012

Proposed Southern Tie-in
and Pump Station

Figure 4



Legend

■ New Pump Stations	— Existing Cumberland Transmission Water Lines	— Existing Cumberland Water Lines (assumed)
▲ Connections to existing	— Existing Cumberland Minor Water Lines	— Proposed Alignment

Paper Size ANSI A
0.00 0.01 0.02 0.03 0.04
Miles
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



Allegany County Commissioners
Bedford Road Water Study - PER

Job Number 86-14909
Revision A
Date Dec 18, 2012

Proposed Northern Tie-in
and Pump Station

Figure 5



Legend

Elevation Contours	New Pump Stations	Proposed Alignment A
Bedford Road Water Taps	Connections to existing	
	Possible Tank Locations	

Paper Size ANSI A
0 37.5 75 150 225 300

Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Allegany County Commissioners
Bedford Road Water Study - PER

Job Number 86-14909
Revision A
Date Dec 18, 2012

Proposed Southern Tank Location

Figure 7



Legend

- Elevation Contours
- New Pump Stations
- Bedford Road Water Taps
- ▲ Connections to existing
- Possible Tank Locations
- Proposed Alignment A
- Existing (Assumed)

Paper Size ANSI A
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Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Allegany County Commissioners
Bedford Road Water Study - PER

Job Number 86-14909
Revision A
Date Dec 18, 2012

Proposed Northern Tank Location

Figure 8

From: Beth Cole - MHT [<mailto:beth.cole@maryland.gov>]
Sent: Thursday, January 16, 2014 11:29 AM
To: david.kerr@ghd.com
Cc: myoder@allconet.org; Davis, Ashly - RD, Dover, DE
Subject: Bedford Road Water System Improvements EF

David,

Thank you for your recent email submission, dated December 23, 2013, regarding the above-referenced project. Your attachments included preliminary information regarding proposed locations of pipes, tie-ins, pump stations and tank locations - as well as noted the location of inventoried and National Register listed properties in the vicinity. We understand that during detailed design for the project - more specific information including site plans and disturbance areas will be submitted to the Trust for review. Based on the preliminary information, we do not anticipate that the project will adversely affect historic properties. We look forward to further coordination as plans progress to successfully complete the project's Section 106 review.

Let me know if you have questions or need further assistance. Have a good day,

Beth Cole

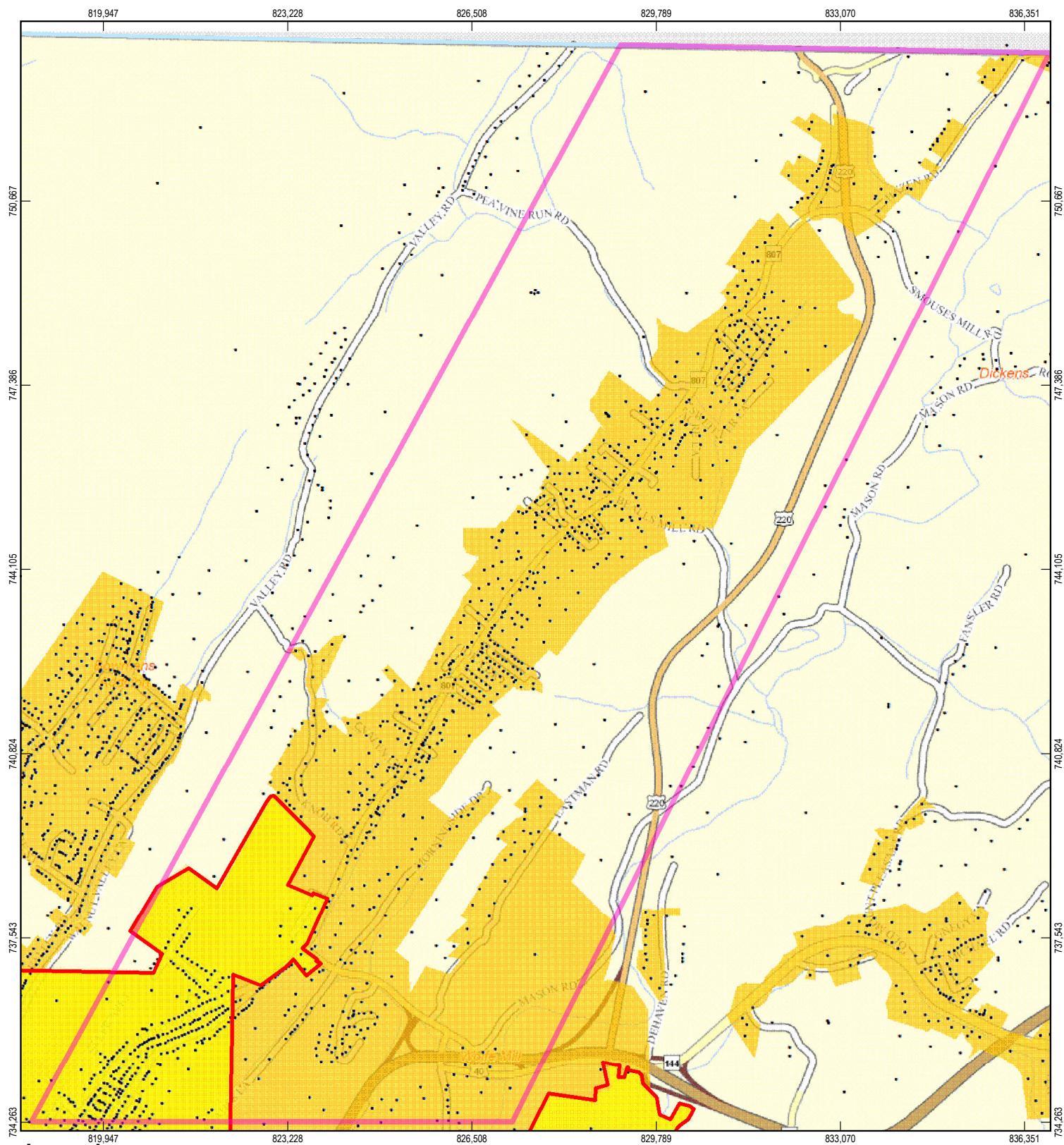
Beth Cole

Administrator, Project Review and Compliance
Maryland Historical Trust
100 Community Place
Crownsville, MD 21032
beth.cole@maryland.gov / 410-514-7631
mht.maryland.gov

Please note my new email address as of 12/18/13: beth.cole@maryland.gov

6. Exhibits/Maps

- Figure 1 Priority Funding Areas
- Figure 2 Proposed Alignment
- Figure 3 Topographic Map
- Figure 4 Current Zoning
- Figure 5 FEMA Flood Maps
- Figure 5A FEMA Flood Maps - Individual FIRMettes
- Figure 6 Farmland Soils
- Figure 7 Wetlands and Hydric Soils
- Figure 7A Wetlands and Hydric Soils - USFWS Website Map
- Figure 8 Historical Sites
- Figure 9 Median Household Income
- Figure 10 Maryland's Coastal Zone - Shoreline Website Maps
- Figure 10A Shoreline Website Maps
- Figure 11 Soils Map
- Figure 11A Soils Map - Web Soil Survey



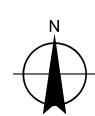
Legend

- State Line
- Project Area
- Cumberland City Limits
- Priority Funding Area (PFA)
- Municipal PFA

Data Source: Maryland Department of Planning Priority Funding Areas Interactive Map.

Paper Size ANSI A
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Miles

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet

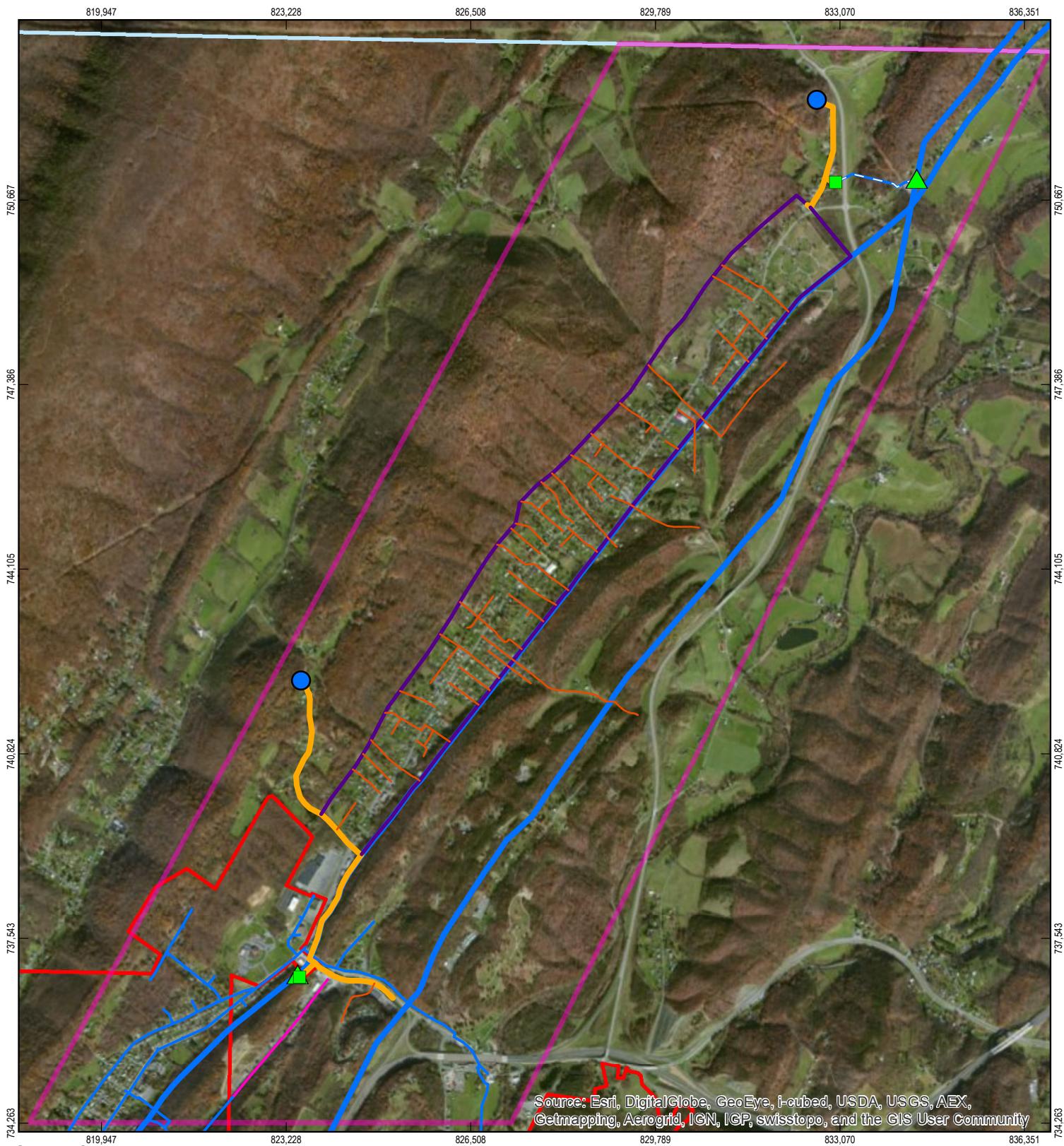


Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date May 07, 2013

Bedford Road Area
Priority Funding Areas

Figure 1



Legend

■ Proposed Pump Stations	Proposed Alignment (Alt B)	■ Existing Cumberland Transmission Water Lines	■ Project Area
▲ Connections to existing	— 6 in	■ Existing Cumberland Minor Water Lines	■ State Line
● Proposed Tank Locations	— 8 in	■ Existing County Water Lines	■ Cumberland City Limits
	— 10 in	■ Existing Cumberland Water Lines (assumed)	

Paper Size ANSI A
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Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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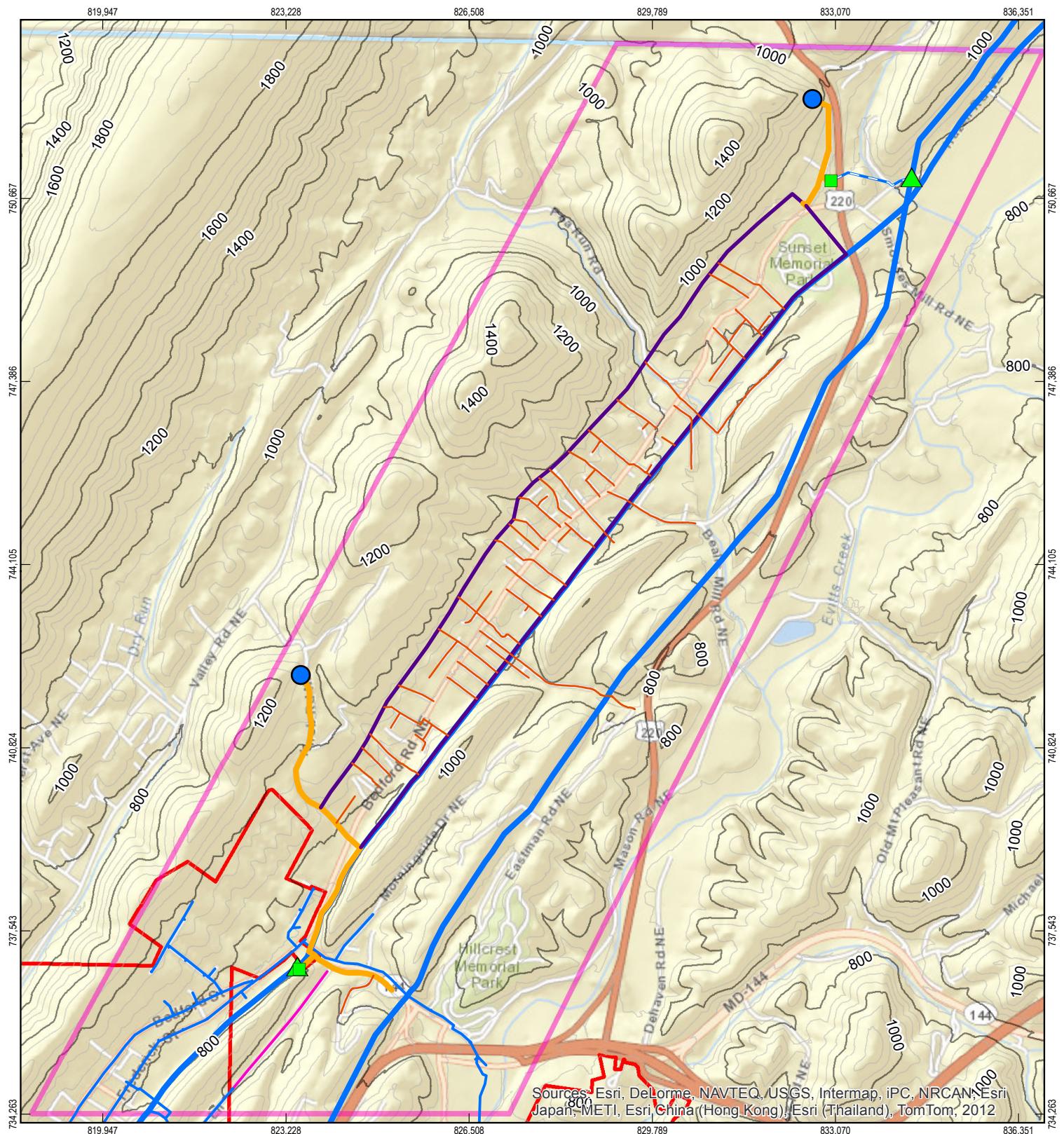


Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date May 07, 2013

Proposed Alignment (Alternative B)

Figure 2



Legend

Proposed Alignment (Alt B)

- Proposed Pump Stations
- Connections to existing
- Proposed Tank Locations
- 6 in
- 8 in
- 10 in

Existing Water Lines

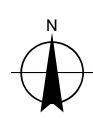
- Existing Cumberland Transmission Water Lines
- Existing Cumberland Minor Water Lines
- Existing County Water Lines
- Existing Cumberland Water Lines (assumed)

Project Area

- Project Area
- State Line
- Cumberland City Limits

Paper Size ANSI A
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Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
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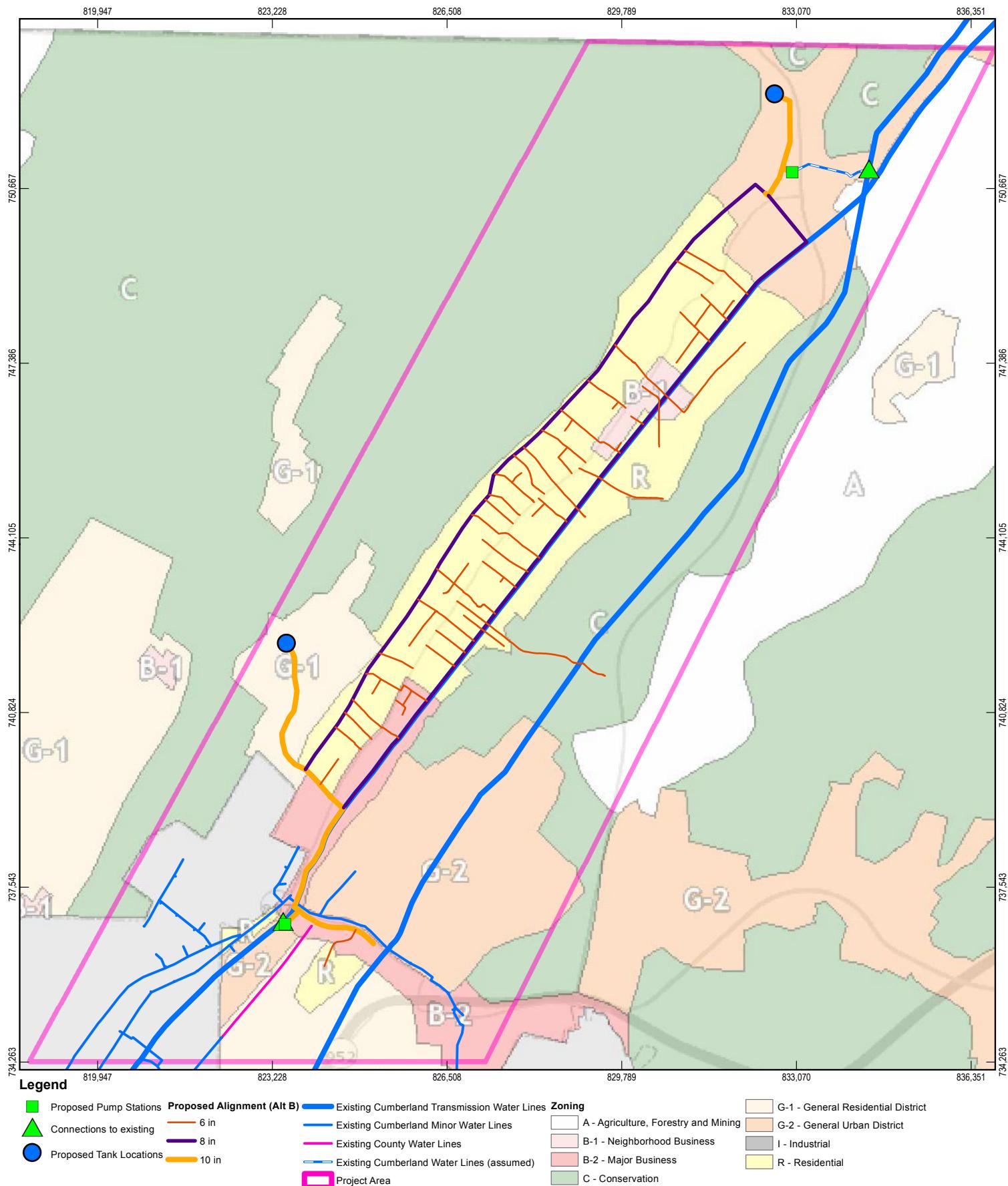
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Bedford Road Water Study - ER

Job Number	86-14909
Revision	A
Date	May 07, 2013

Topographic Map

Figure 3



Data Source: Allegany County Permits Dashboard

Paper Size ANSI A
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Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet

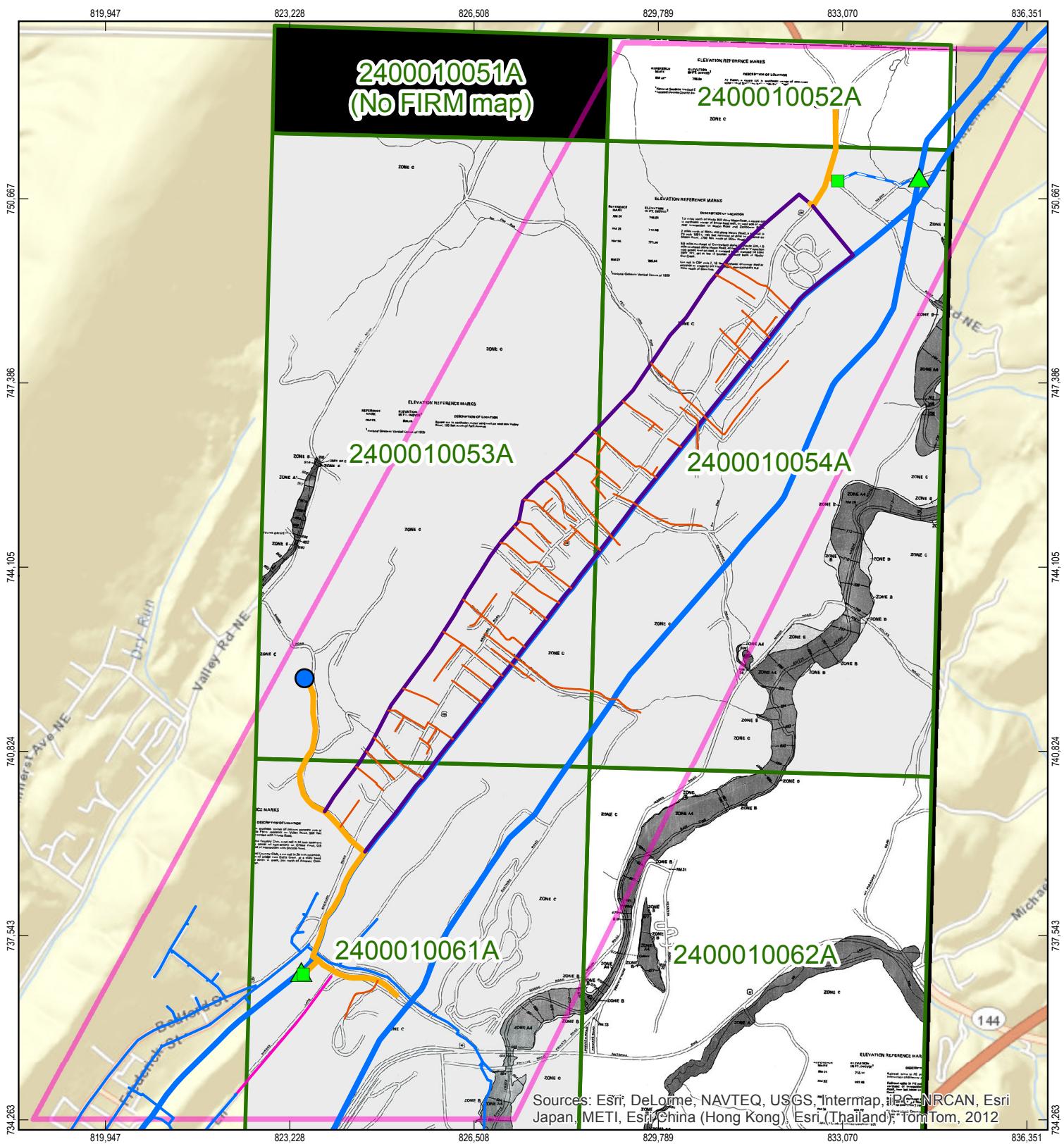


Allegany County Commissioners
Bedford Road Water Study - ER

Current Zoning

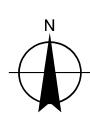
Job Number 86-14909
Revision A
Date May 07, 2013

Figure 4



Data Source: FEMA Map Service Center <https://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView>

Paper Size ANSI A
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Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date May 07, 2013

FEMA Flood Maps

Figure 5

Figure 5A

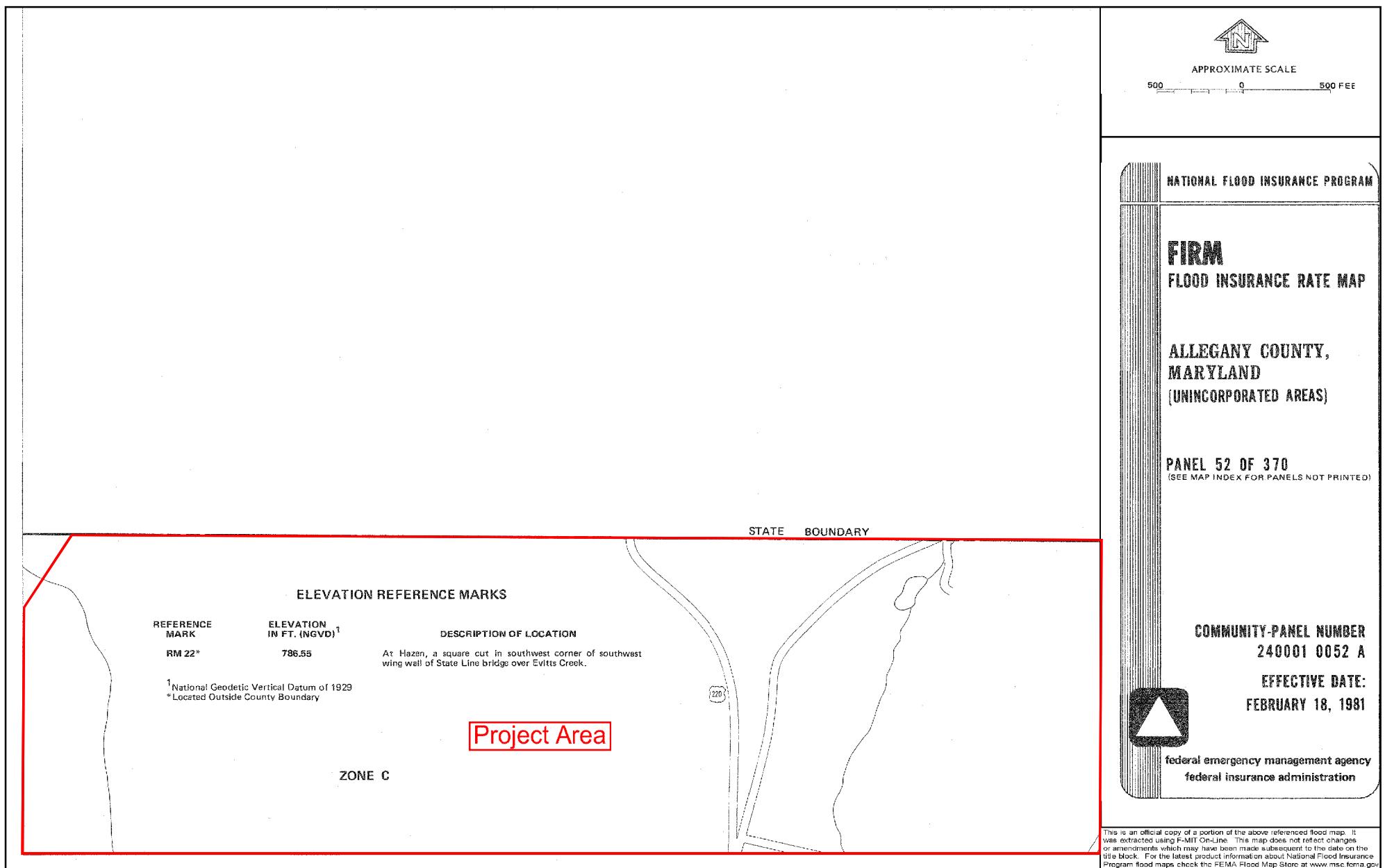


Figure 5A

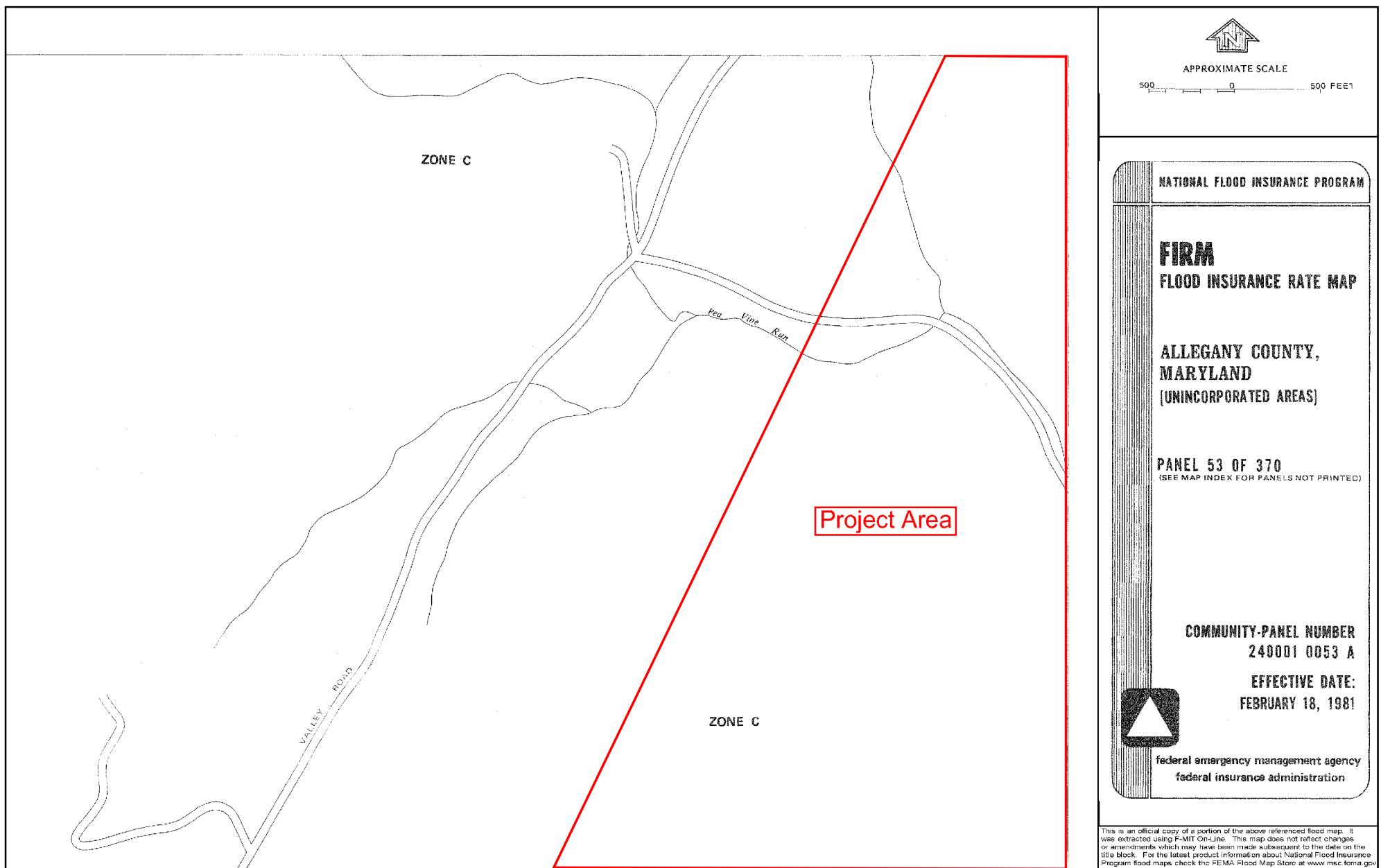


Figure 5A

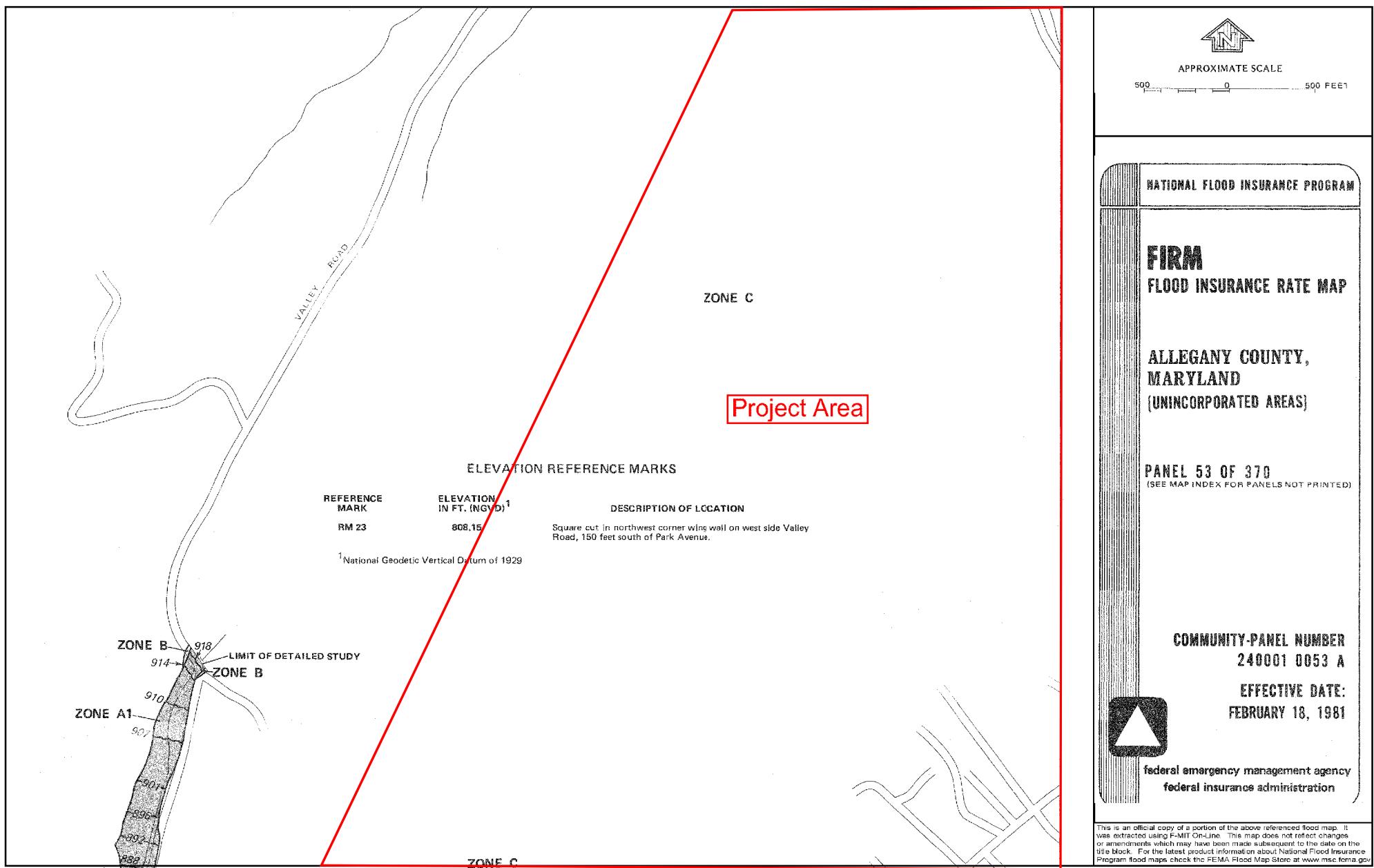


Figure 5A

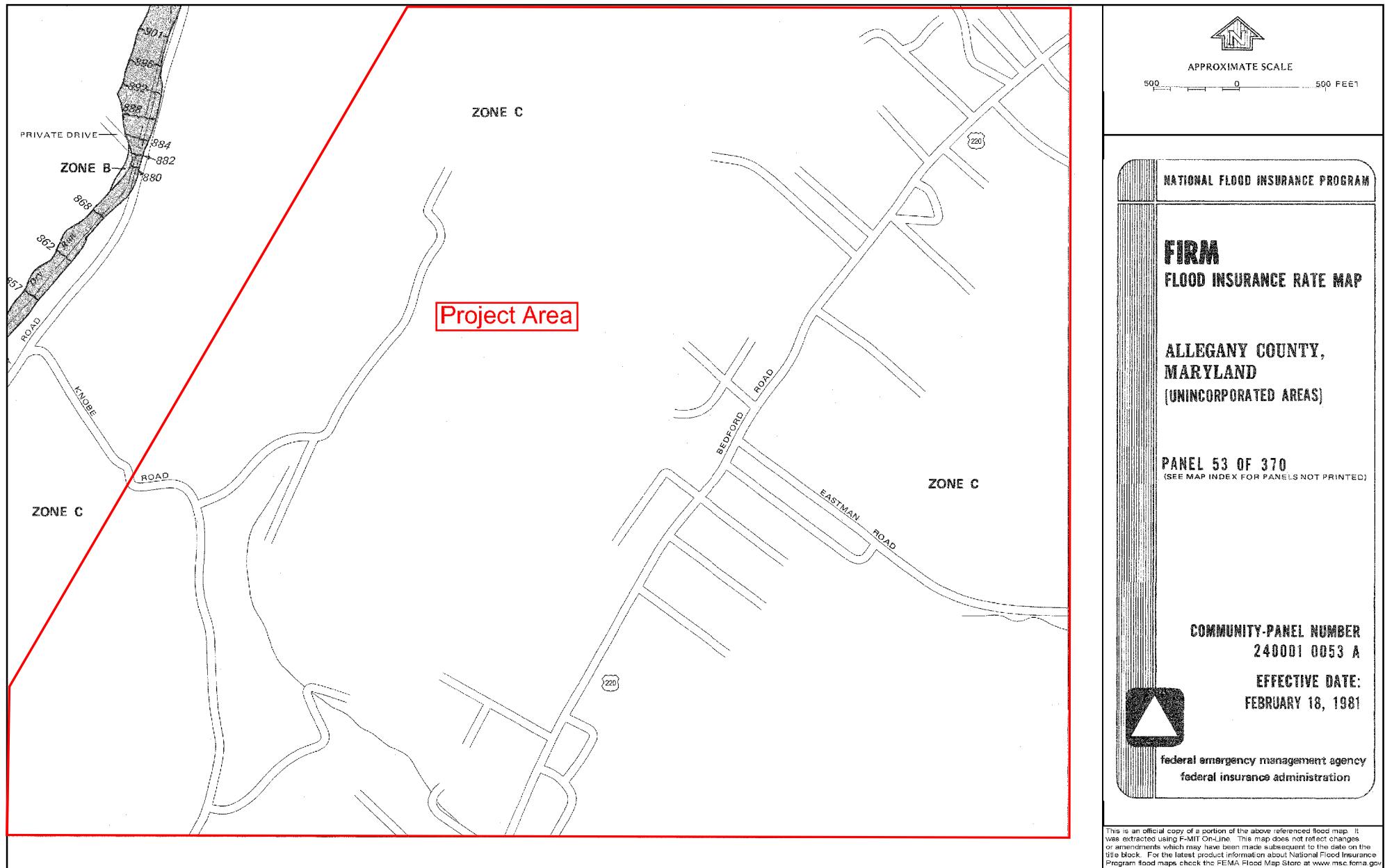


Figure 5A

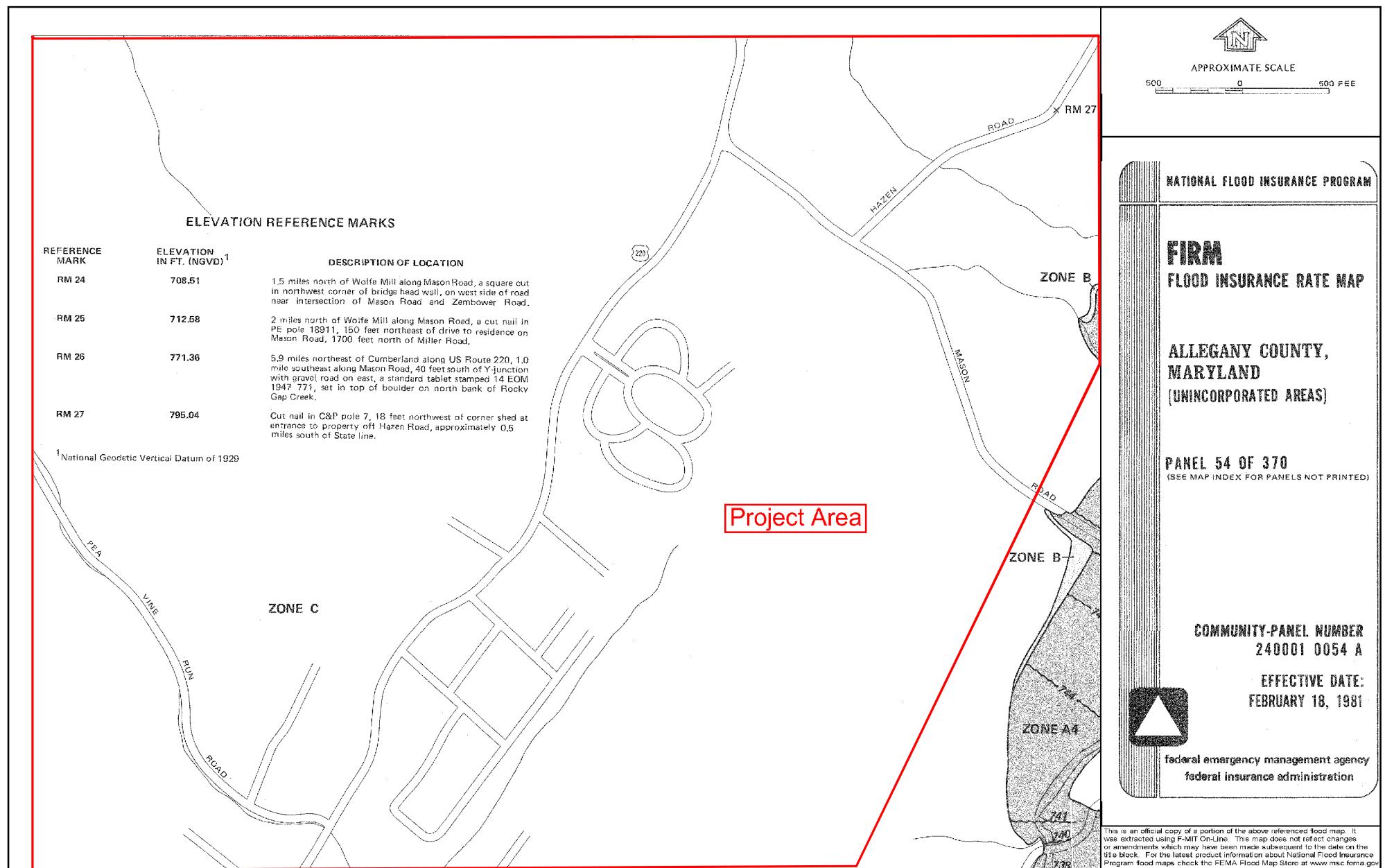


Figure 5A

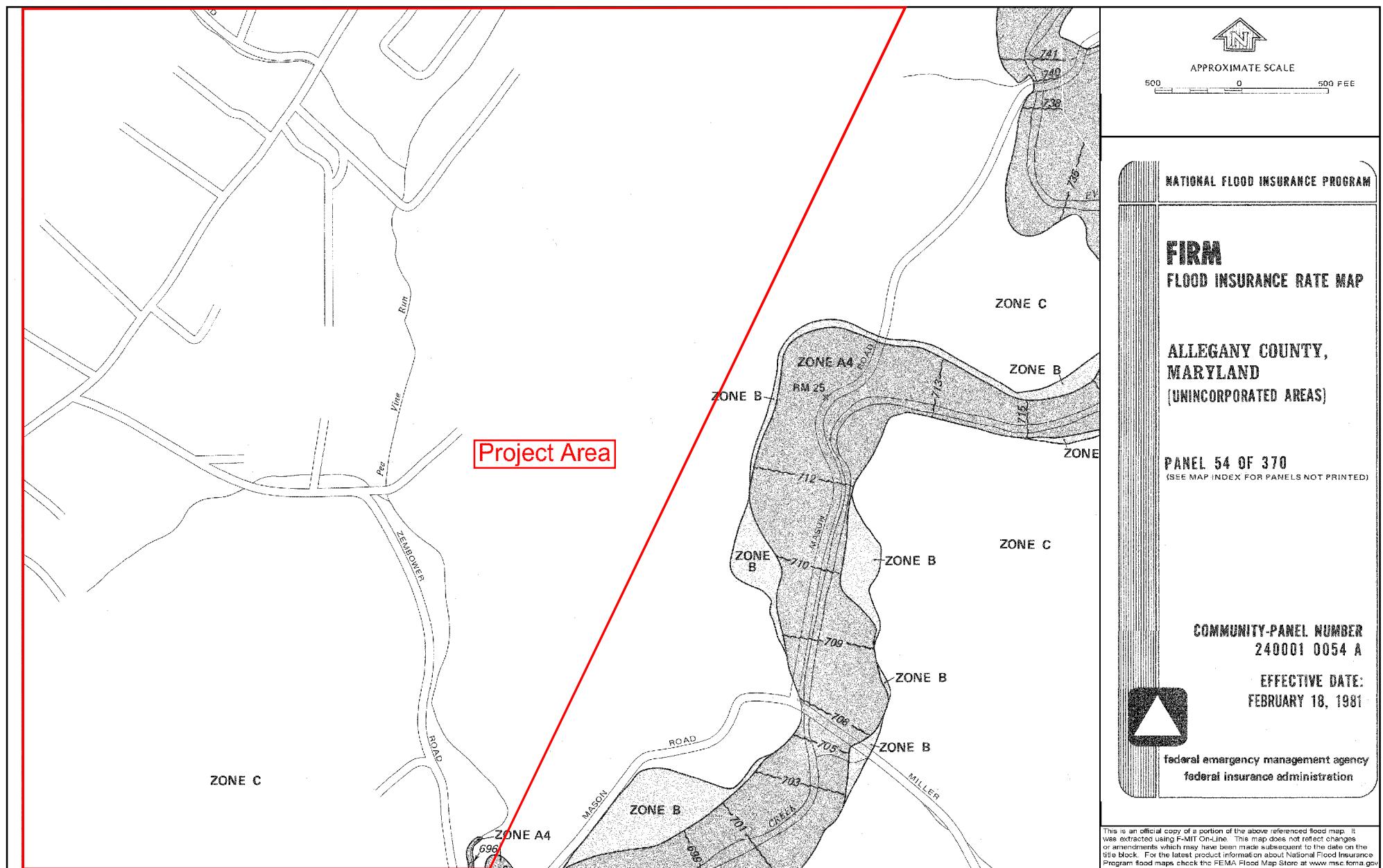


Figure 5A

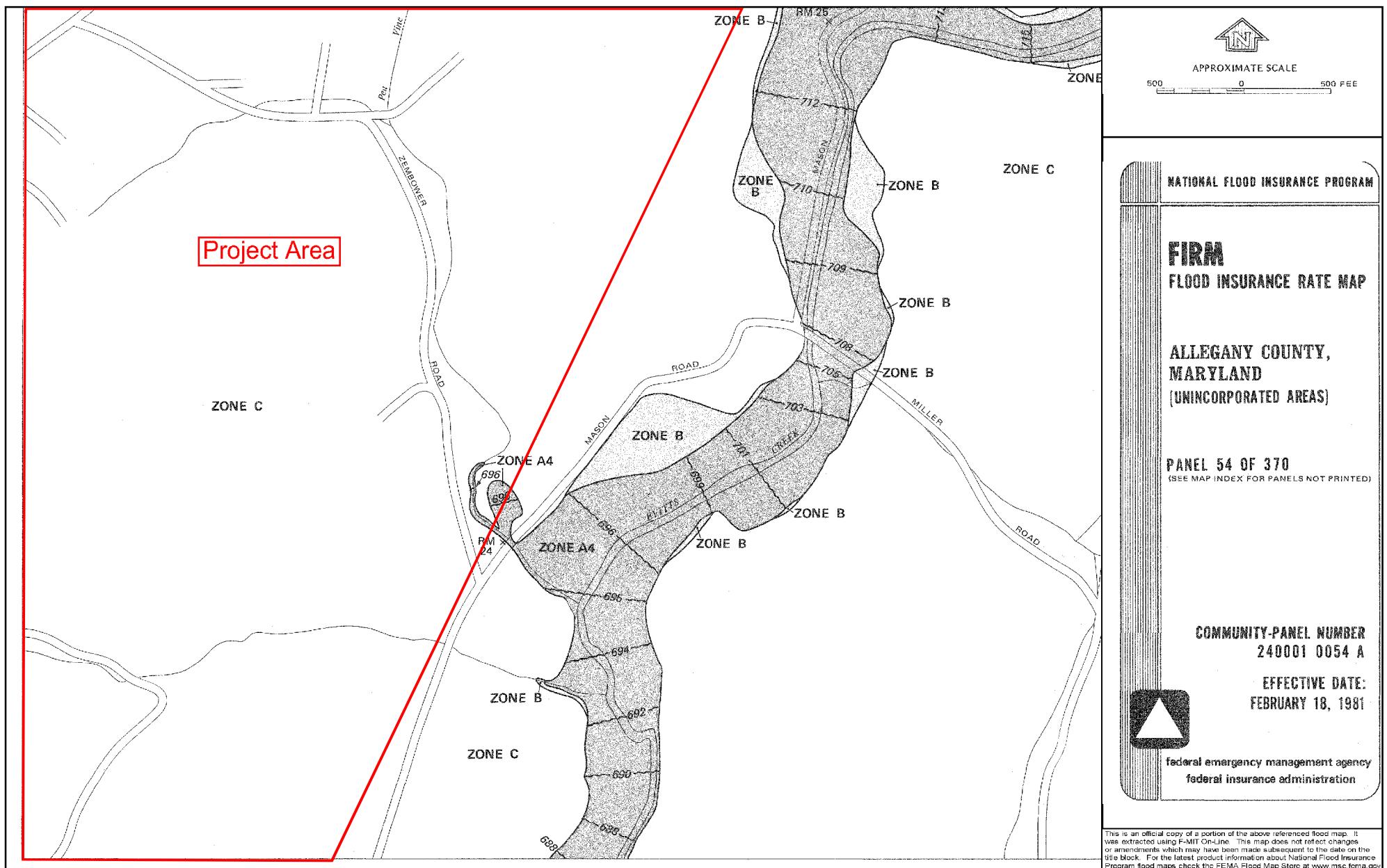


Figure 5A



Figure 5A

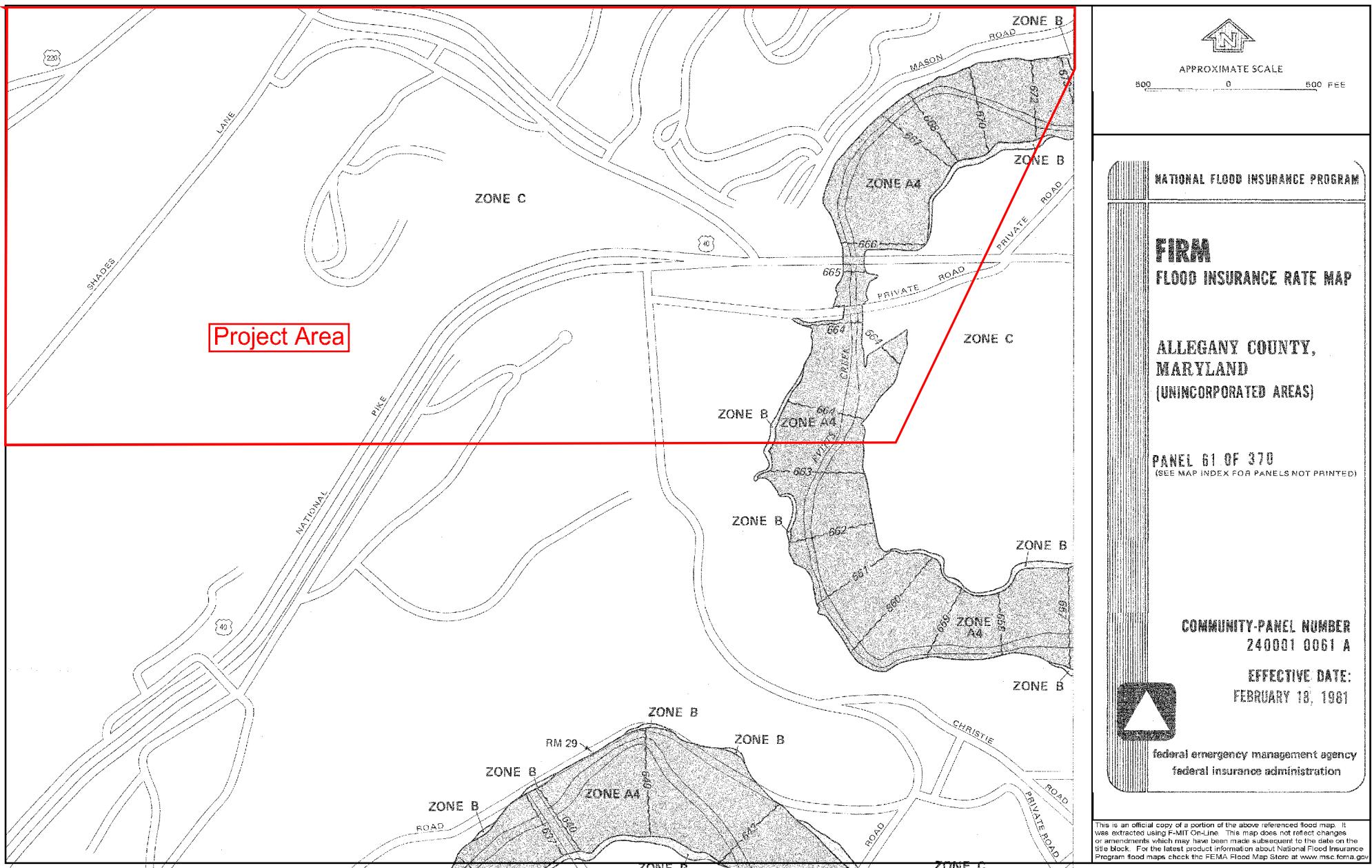
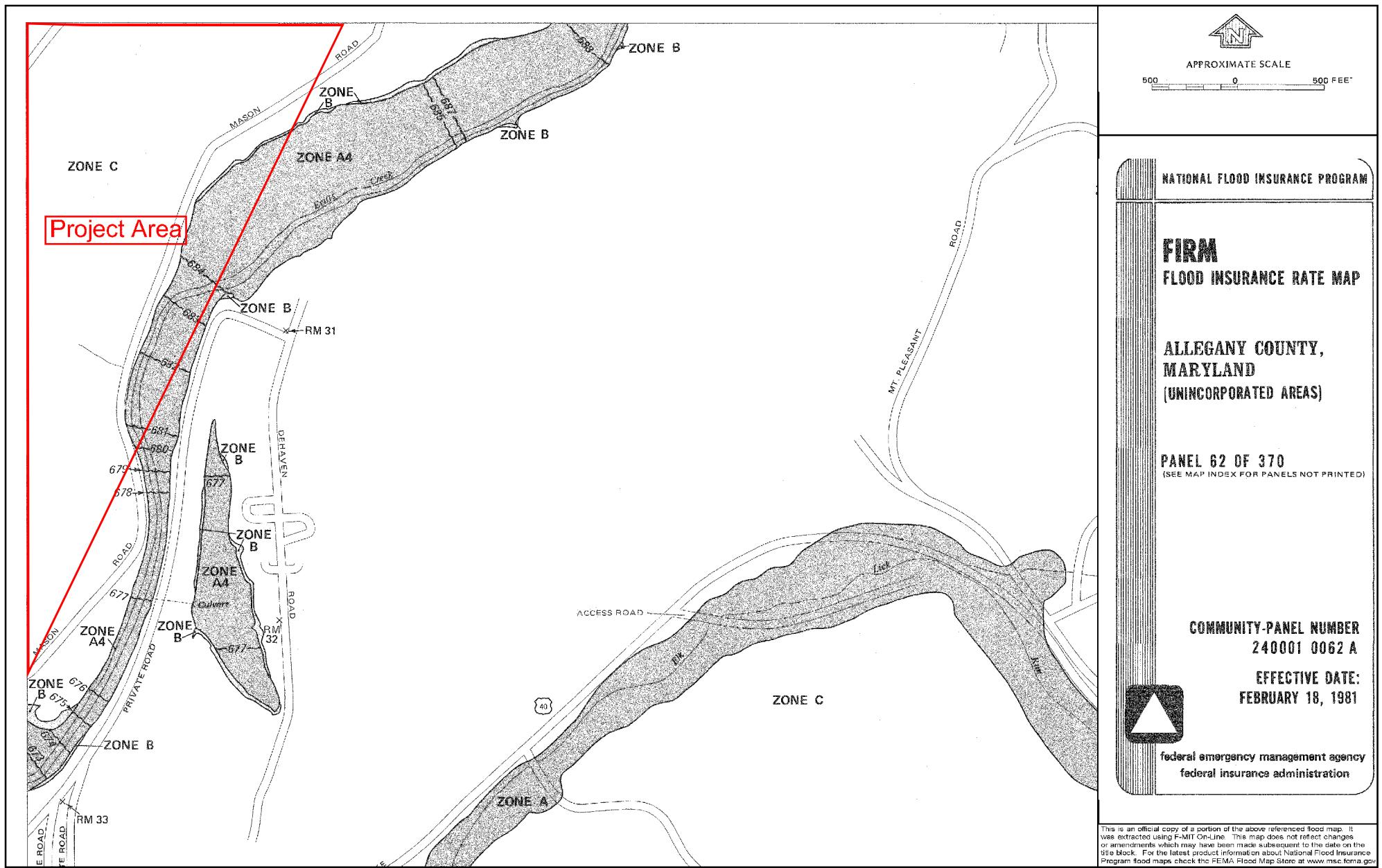
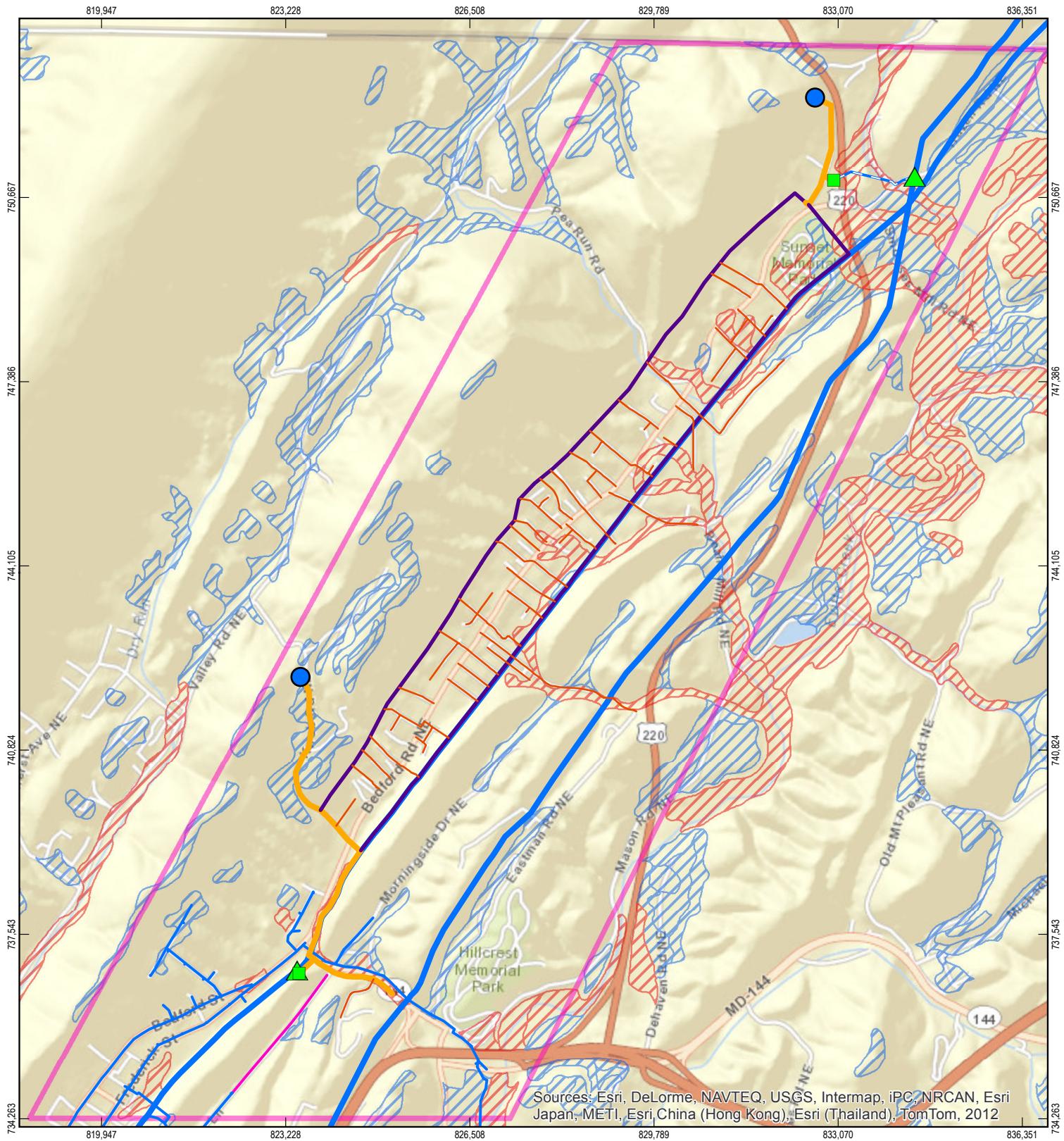


Figure 5A





Legend

■ Proposed Pump Stations	■ Proposed Alignment (Alt B)	■ Existing Cumberland Transmission Water Lines	■ Project Area
▲ Connections to existing	— 6 in	■ Existing Cumberland Minor Water Lines	■ Soils-Farmland
● Proposed Tank Locations	— 8 in	■ Existing County Water Lines	■ All areas are prime farmland
	— 10 in	■ Existing Cumberland Water Lines (assumed)	■ Farmland of statewide importance

Data Source: NRCS Web Soil Survey

Paper Size ANSI A
0 365 730 1,460 2,190 2,920

Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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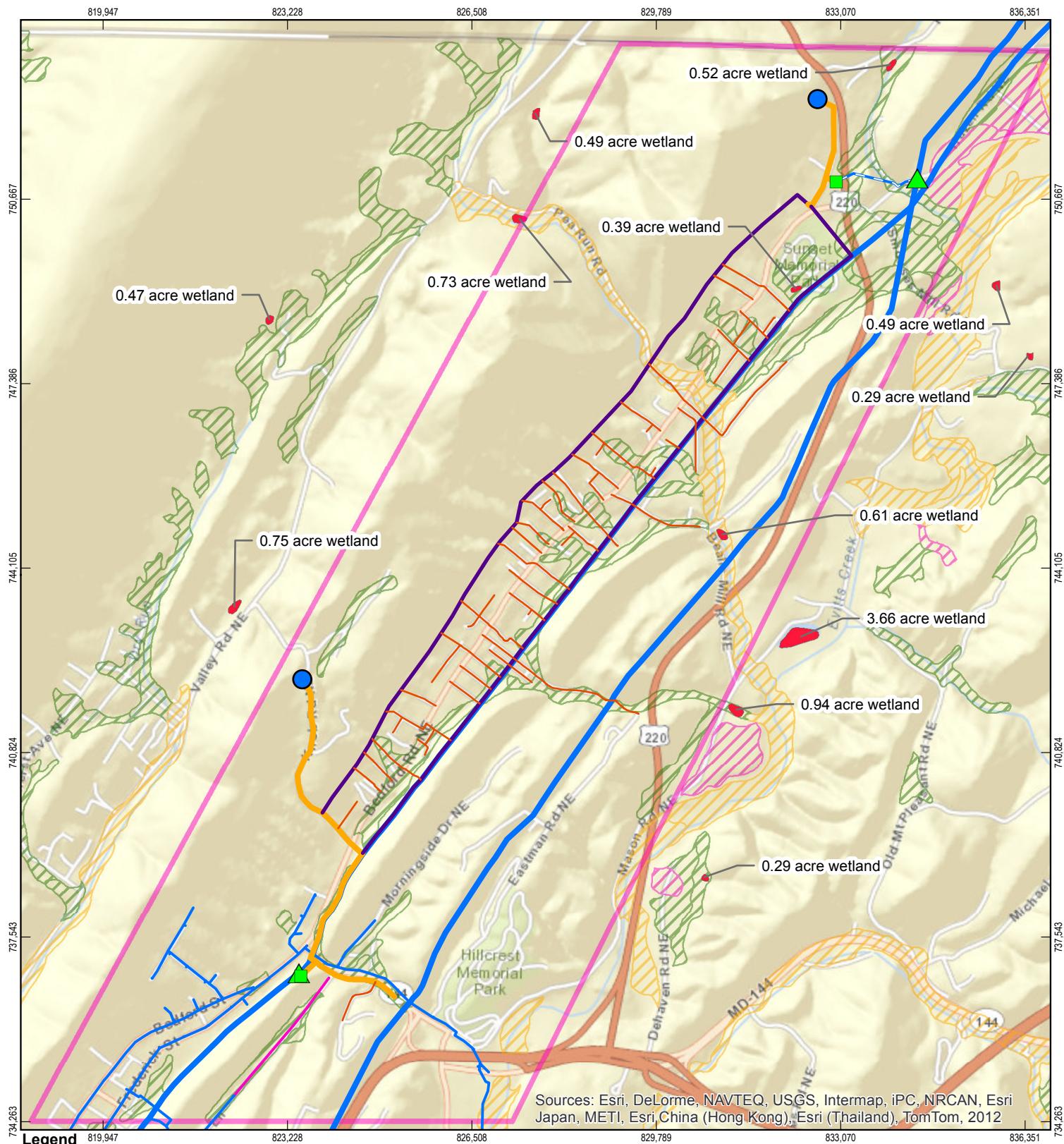


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Bedford Road Water Study - ER

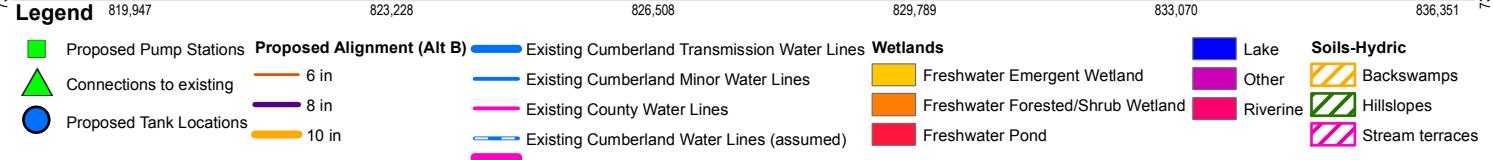
Job Number 86-14909
Revision A
Date May 07, 2013

Farmland Soils

Figure 6



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012



Data Source: Maryland Department of Natural Resources Geospatial Wetlands Data, and NRCS Web Soil Survey.

Paper Size ANSI A
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Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Date May 07, 2013

Wetlands and Hydric Soils

Figure 7



U.S. Fish and Wildlife Service

National Wetlands Inventory

Tools

Print Map

Streets

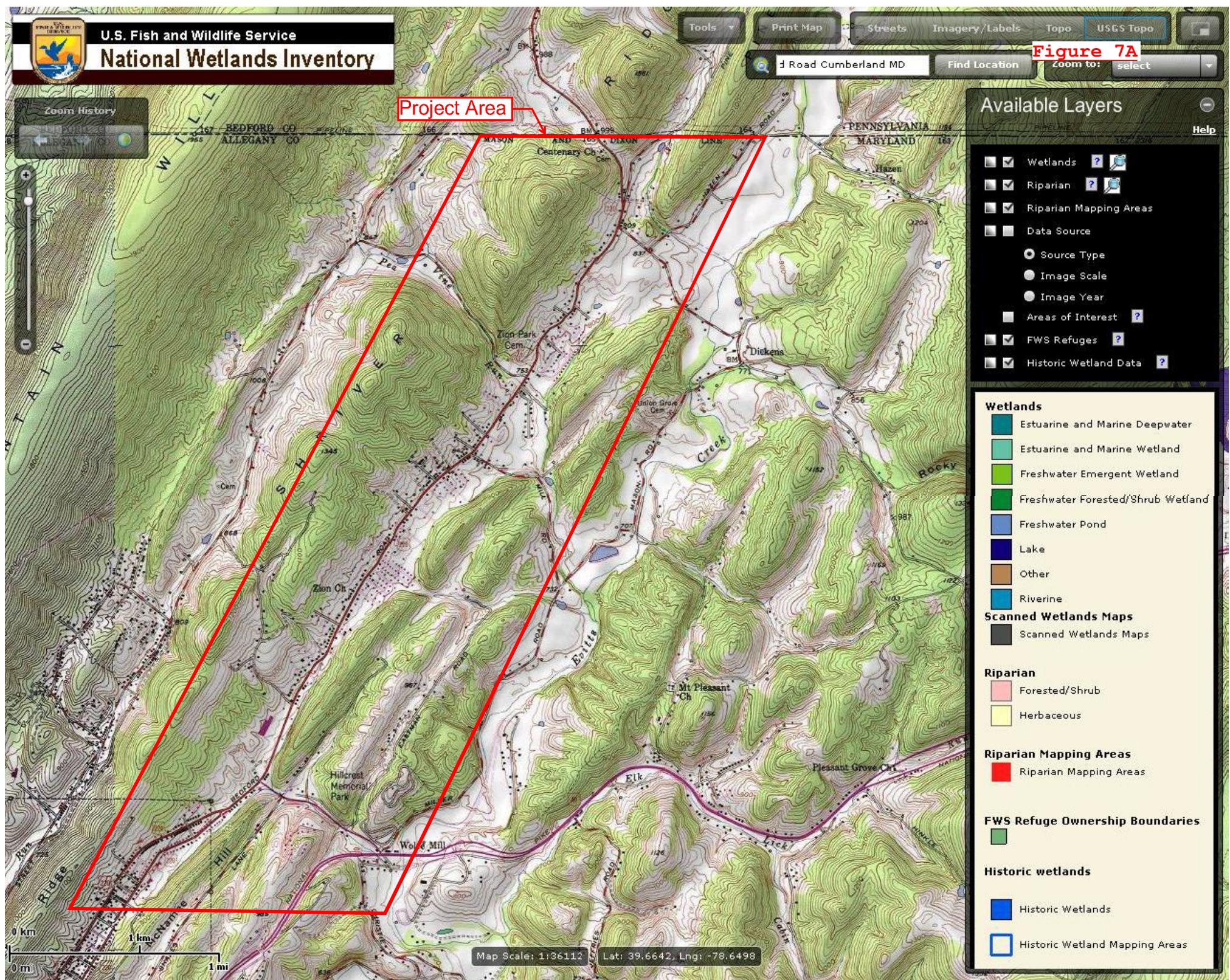
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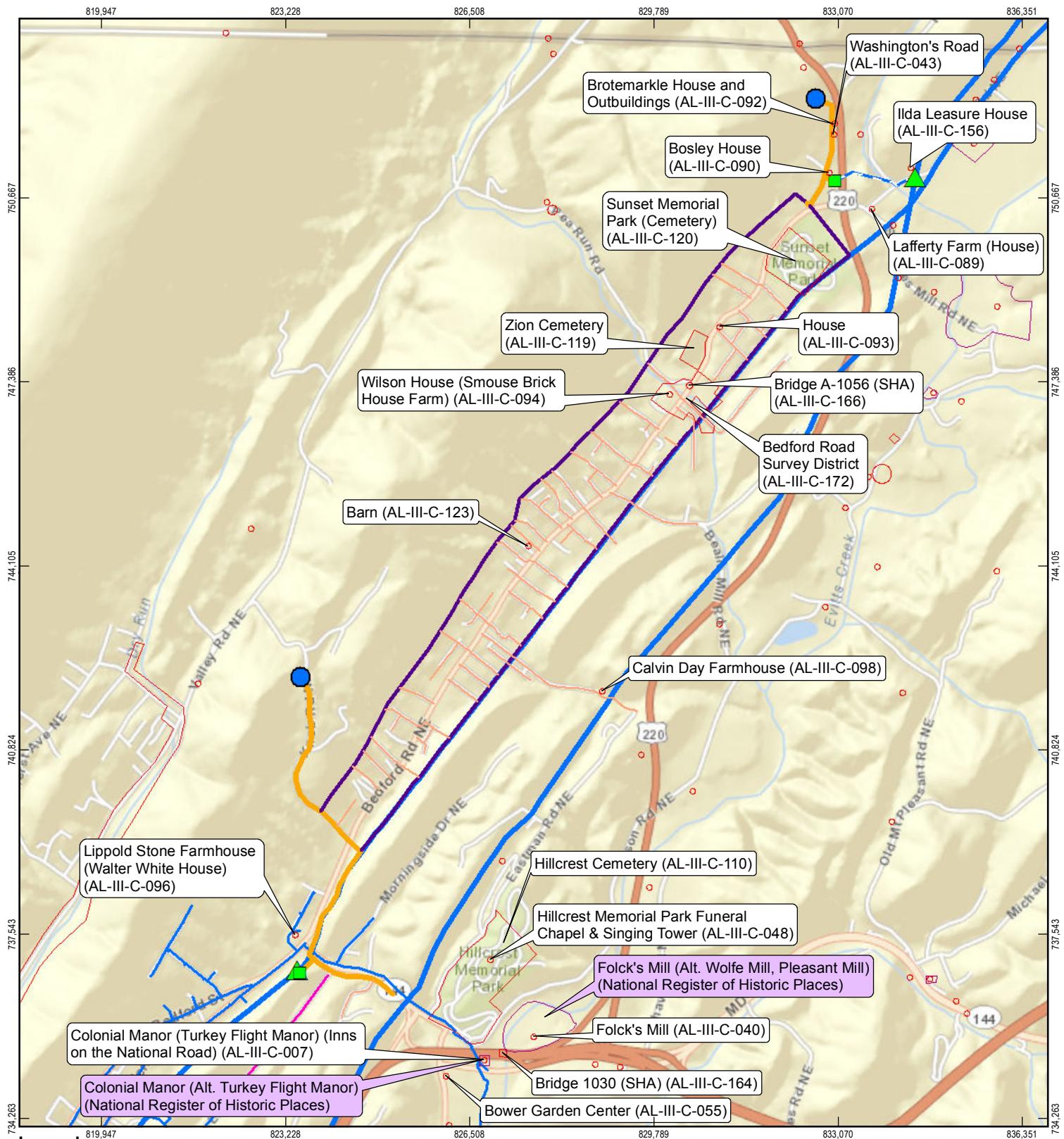
Topo

USGS Topo

Figure 7A

Zoom to: select





Legend

Historic Properties

- MD Inventory of Historic Properties
- National Register of Historic Places

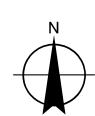
Proposed Alignment (Alt B)

- Proposed Pump Stations
- Connections to existing
- Proposed Tank Locations
- Existing Cumberland Transmission Water Lines
- Existing Cumberland Minor Water Lines
- Existing County Water Lines
- Existing Cumberland Water Lines (assumed)

Data Source: MD iMap Services, MD Historical Trust Historic Sites Data

Paper Size ANSI A
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Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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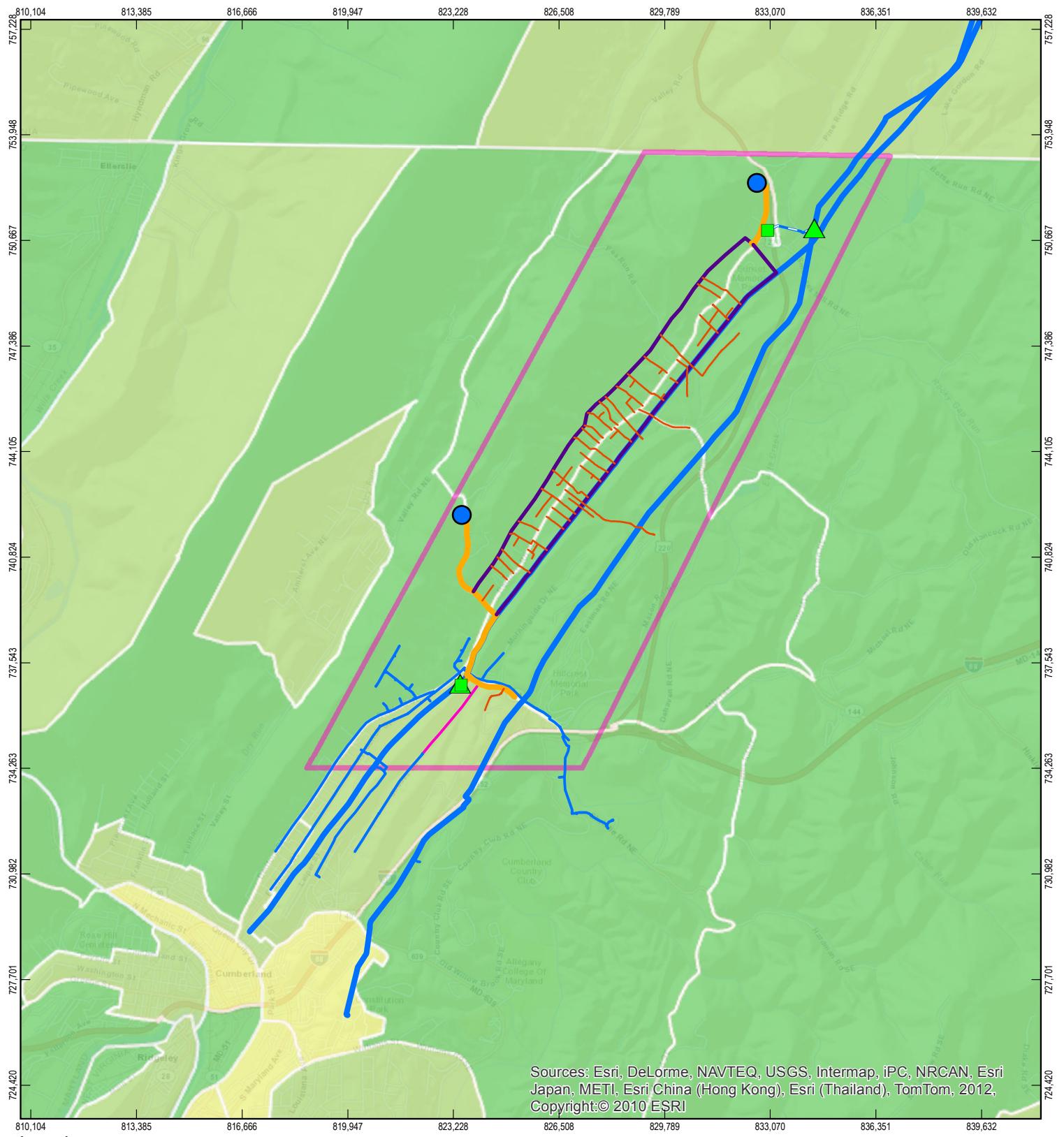


Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date Dec 17, 2013

Historical Sites

Figure 8



Legend

- Proposed Pump Stations
- ▲ Connections to existing
- Proposed Tank Locations
- Project Area

2010 Median Household Income

Income Range	Count
\$41,001 to \$70,000 (Mean: \$55,265)	1
\$84,001 to \$375,000	1
\$27,001 to \$41,000	1
\$70,001 to \$84,000	1
\$0 to \$27,000	1
Zero Population	1

Data Source: ESRI. (2011). USA Median Household Income.

Paper Size ANSI A
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Feet
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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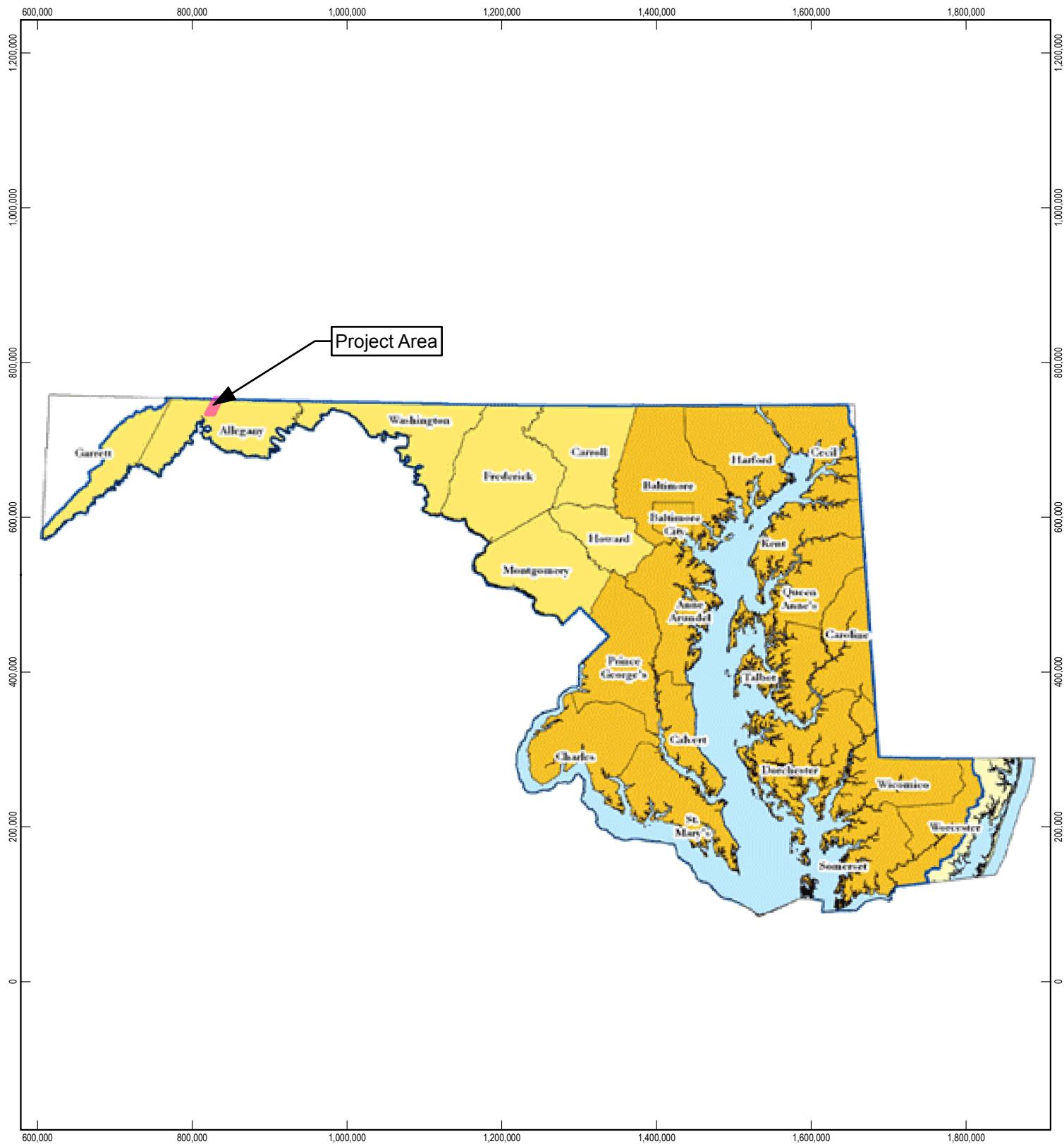


Allegany County Commissioners
Bedford Road Water Study - ER

Job Number 86-14909
Revision A
Date May 07, 2013

Median Household Income

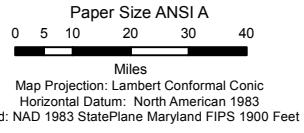
Figure 9



Legend

- Chesapeake Bay Watershed within Maryland
- Coastal Zone Counties & Chesapeake Bay Watershed Area
- Chesapeake Bay Watersheds Only
- Coastal Zone Only

Data Source: Maryland Department of Natural Resources http://dnr.maryland.gov/ccp/where_we_work.asp



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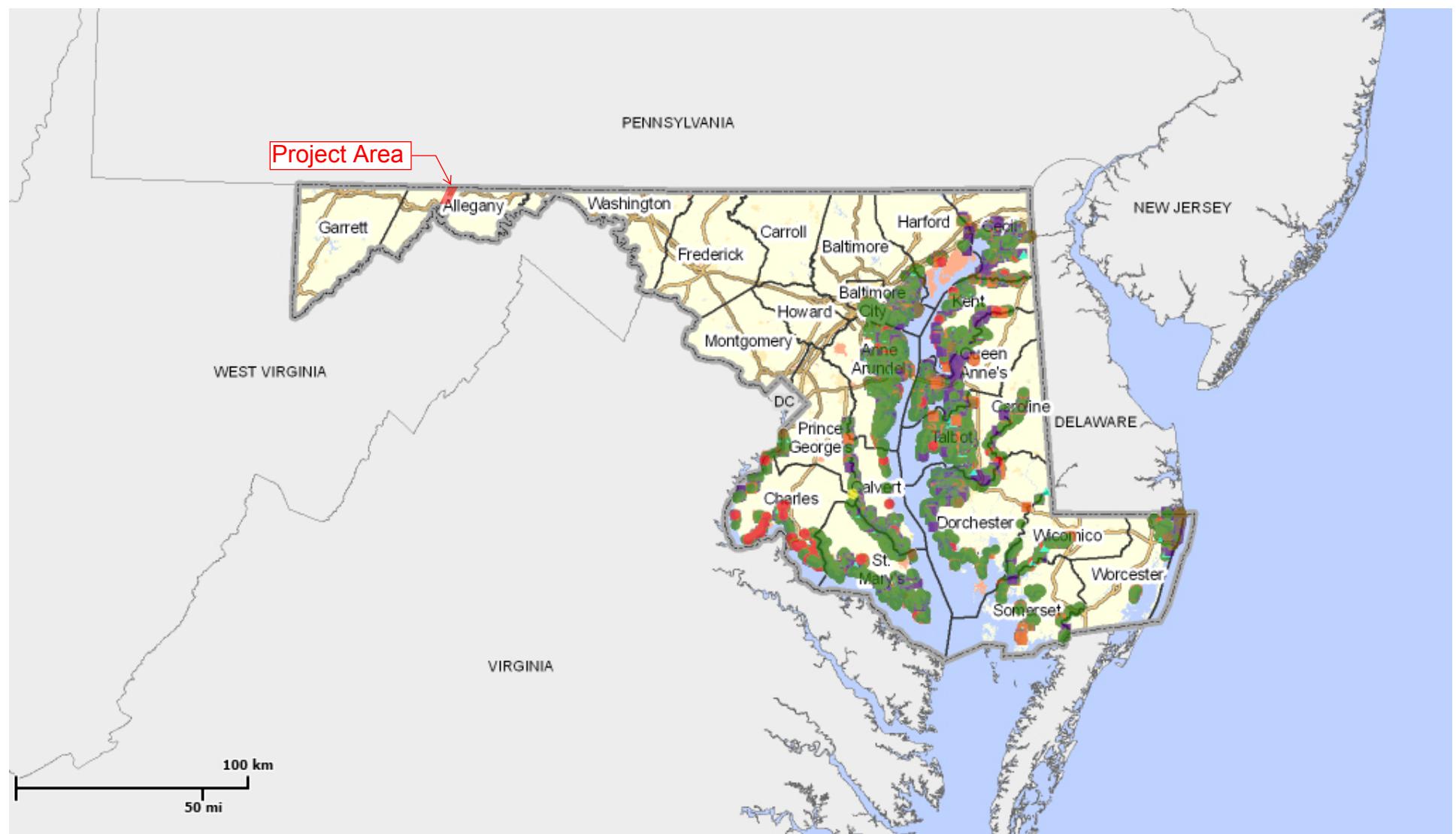
Allegany County Commissioners
Bedford Road Water Study - ER

Maryland's Coastal Zone

Job Number 86-14909
Revision A
Date May 07, 2013

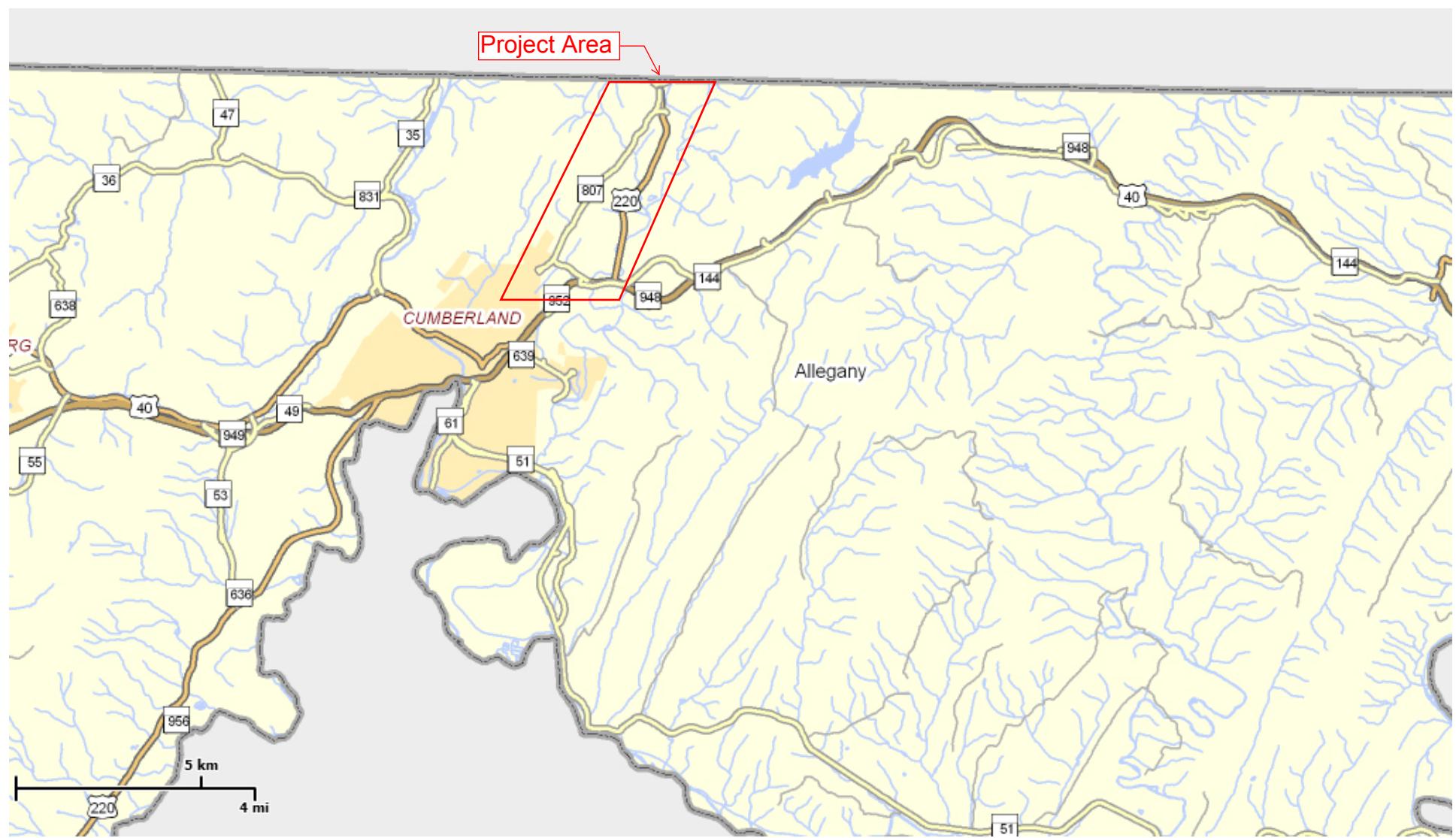
Figure 10

Figure 10A

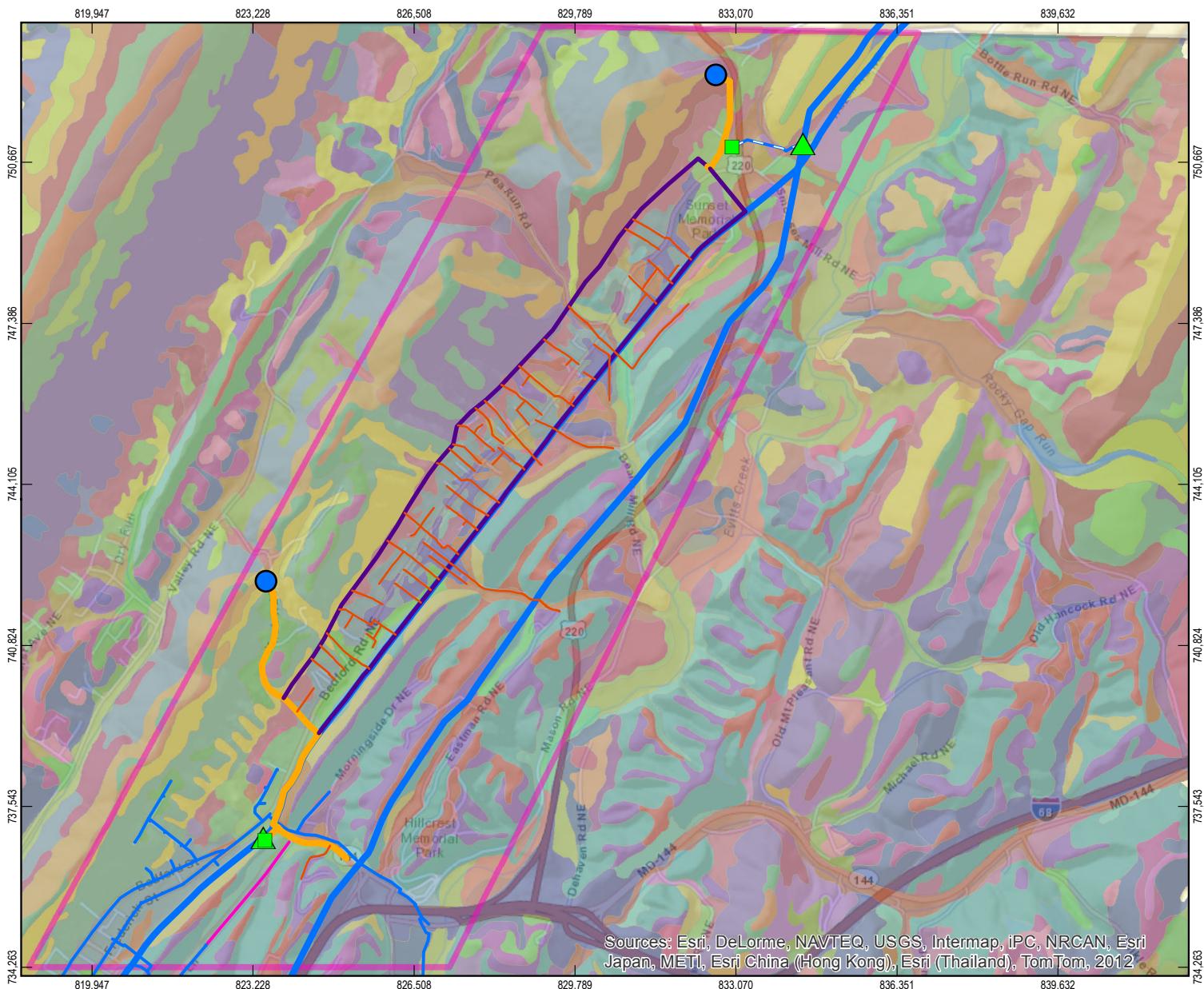


Source: http://www.dnr.state.md.us/map_template/coastalmaps/coastal_atlas_es.html

Figure 10A



Source: http://www.dnr.state.md.us/map_template/coastalmaps/coastal_atlas_es.html



Legend

- Proposed Pump Stations
- Connections to existing
- Proposed Tank Locations
- Proposed Alignment (Alt B)**
- 6 in
- 8 in
- 10 in
- Existing Cumberland Transmission Water Lines
- Existing Cumberland Minor Water Lines
- Existing County Water Lines
- Existing Cumberland Water Lines (assumed)
- Project Area

Soils-AOI	BnC	CeD	DcF	EkF	HoA	OeD	SuB	WfE
AeA	BnD	CeE	DeD	ErB	HtA	OeE	SuC	WfF
AeB	BrB	ChB	DeE	ErC	LaC	OnC	SuD	WgD
AeC	BuB	ChC	DeF	ErD	LnA	OnE	TyA	WgE
AeD	BuC	ChD	DeG	EsC	LtB	OnF	TyB	WgF
BcA	BvB	CkC	DvB	EuB	LtC	OpE	UvD	WkD
BcB	BvC	CrA	DvC	EuC	LtD	OpF	UxB	WmD
BcC	BvD	CsA	EdB	HaB	LtE	PeB	W	WmE
BcD	BwD	CsB	EdC	HaC	MaB	PhA	WeB	WtA
BdC	BxB	DbB	EdD	HeC	MnA	RrG	WeC	
BdD	BxC	DbC	EkB	HeD	MnB	SsB	WeD	
BeC	CcC	DbD	EkC	HeE	MnC	SsC	WeE	
BkD	CcD	DbE	EkD	HfD	MuC	SsD	WeF	
BnB	CcE	DcE	EkE	HfE	MuD	SsE	WfD	

Data Source: NRCS Web Soil Survey

Paper Size ANSI A
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Map Projection: Lambert Conformal Conic
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Grid: NAD 1983 StatePlane Maryland FIPS 1900 Feet



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Allegany County Commissioners
Bedford Road Water Study - ER

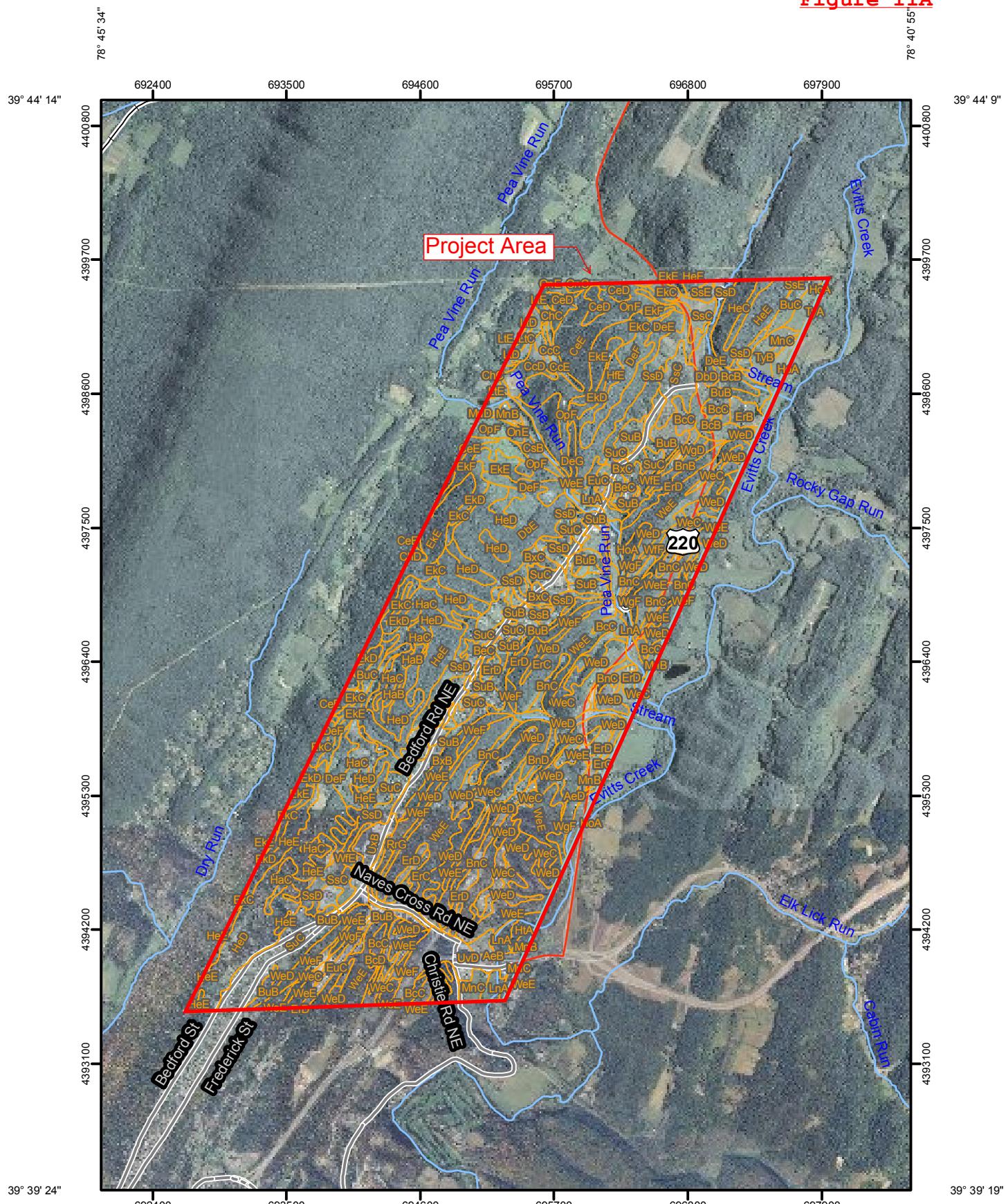
Job Number 86-14909
Revision A
Date May 07, 2013

Soils Map

Figure 11

Soil Map—Allegany County, Maryland

Figure 11A



Map Scale: 1:42,700 if printed on A size (8.5" x 11") sheet.

Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/12/2013
Page 1 of 5

MAP LEGEND

Area of Interest (AOI)		Area of Interest (AOI)		Very Stony Spot
Soils		Soil Map Units		Wet Spot
				Other
			Special Line Features	
				Gully
				Short Steep Slope
				Other
				Other
			Political Features	
				Cities
				Streams and Canals
			Water Features	
				Transportation
				Rails
				Interstate Highways
				US Routes
				Major Roads
				Miscellaneous Water
				Perennial Water
				Rock Outcrop
				Saline Spot
				Sandy Spot
				Severely Eroded Spot
				Sinkhole
				Slide or Slip
				Sodic Spot
				Spoil Area
				Stony Spot

MAP INFORMATION

Map Scale: 1:42,700 if printed on A size (8.5" x 11") sheet.
 The soil surveys that comprise your AOI were mapped at 1:12,000.
 Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Allegany County, Maryland
 Survey Area Data: Version 5, Mar 12, 2009

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Allegany County, Maryland (MD001)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AeB	Allegheny loam, 3 to 8 percent slopes	6.6	0.2%
AeD	Allegheny loam, 15 to 25 percent slopes	1.8	0.1%
BcA	Berks channery silt loam, 0 to 3 percent slopes	2.6	0.1%
BcB	Berks channery silt loam, 3 to 8 percent slopes	15.8	0.4%
BcC	Berks channery silt loam, 8 to 15 percent slopes	37.4	1.0%
BcD	Berks channery silt loam, 15 to 25 percent slopes	7.0	0.2%
BeC	Berks-Urban land complex, 8 to 15 percent slopes	9.4	0.3%
BnB	Blairton silt loam, 3 to 8 percent slopes	12.0	0.3%
BnC	Blairton silt loam, 8 to 15 percent slopes	60.6	1.7%
BnD	Blairton silt loam, 15 to 25 percent slopes	8.5	0.2%
BuB	Buchanan gravelly loam, 3 to 8 percent slopes	158.4	4.4%
BuC	Buchanan gravelly loam, 8 to 15 percent slopes	23.7	0.7%
BxB	Buchanan-Urban land complex, 0 to 8 percent slopes	30.7	0.9%
BxC	Buchanan-Urban land complex, 8 to 15 percent slopes	15.5	0.4%
CcC	Caneyville silt loam, 8 to 15 percent slopes	5.4	0.2%
CcD	Caneyville silt loam, 15 to 25 percent slopes	18.7	0.5%
CcE	Caneyville silt loam, 25 to 45 percent slopes	7.5	0.2%
CeD	Caneyville flaggy silt loam, 15 to 25 percent slopes	21.3	0.6%
CeE	Caneyville flaggy silt loam, 25 to 45 percent slopes	109.0	3.1%
ChB	Clarksburg silt loam, 0 to 8 percent slopes	1.2	0.0%
ChC	Clarksburg silt loam, 8 to 15 percent slopes	10.2	0.3%
ChD	Clarksburg silt loam, 15 to 25 percent slopes	3.3	0.1%
CsB	Craigsville cobbley fine sandy loam, 3 to 8 percent slopes, very stony, occasionally flooded	22.6	0.6%
DbD	Dekalb gravelly sandy loam, 15 to 25 percent slopes, very stony	4.3	0.1%
DbE	Dekalb gravelly sandy loam, 25 to 45 percent slopes, very stony	115.7	3.2%
DeE	Dekalb-Rock outcrop complex, 25 to 45 percent slopes, rubbly	3.8	0.1%
DeF	Dekalb-Rock outcrop complex, 45 to 65 percent slopes, rubbly	59.3	1.7%
DeG	Dekalb-Rock outcrop complex, 65 to 80 percent slopes, rubbly	7.1	0.2%
DvC	Downsville silt loam, 8 to 15 percent slopes	2.4	0.1%

Allegany County, Maryland (MD001)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EkC	Elliber extremely gravelly loam, 8 to 15 percent slopes	36.6	1.0%
EkD	Elliber extremely gravelly loam, 15 to 25 percent slopes	50.2	1.4%
EkE	Elliber extremely gravelly loam, 25 to 45 percent slopes	104.8	2.9%
EkF	Elliber extremely gravelly loam, 45 to 65 percent slopes	23.8	0.7%
ErB	Ernest silt loam, 3 to 8 percent slopes	12.8	0.4%
ErC	Ernest silt loam, 8 to 15 percent slopes	27.3	0.8%
ErD	Ernest silt loam, 15 to 25 percent slopes	40.5	1.1%
EuC	Ernest-Urban land complex, 8 to 15 percent slopes	16.9	0.5%
HaB	Hazleton gravelly sandy loam, 3 to 8 percent slopes	10.5	0.3%
HaC	Hazleton gravelly sandy loam, 8 to 15 percent slopes	62.3	1.7%
HeC	Hazleton gravelly sandy loam, 8 to 15 percent slopes, very stony	9.3	0.3%
HeD	Hazleton gravelly sandy loam, 15 to 25 percent slopes, very stony	245.8	6.9%
HeE	Hazleton gravelly sandy loam, 25 to 45 percent slopes, very stony	212.6	6.0%
HfE	Hazleton very cobbly sandy loam, 25 to 45 percent slopes, very rubbly	61.4	1.7%
HoA	Holly silt loam, 0 to 3 percent slopes, frequently flooded	32.0	0.9%
HtA	Huntington loam, 0 to 3 percent slopes, occasionally flooded	8.8	0.2%
LnA	Linside silt loam, 0 to 3 percent slopes, occasionally flooded	44.3	1.2%
LtC	Litz channery silt loam, 8 to 15 percent slopes	9.2	0.3%
LtD	Litz channery silt loam, 15 to 25 percent slopes	5.9	0.2%
LtE	Litz channery silt loam, 25 to 45 percent slopes	11.2	0.3%
MnB	Monongahela silt loam, 3 to 8 percent slopes	15.4	0.4%
MnC	Monongahela silt loam, 8 to 15 percent slopes	14.7	0.4%
MuC	Murrill gravelly loam, 8 to 15 percent slopes	0.6	0.0%
MuD	Murrill gravelly loam, 15 to 25 percent slopes	3.1	0.1%
OnC	Opequon flaggy silty clay loam, 8 to 15 percent slopes	3.4	0.1%
OnE	Opequon flaggy silty clay loam, 25 to 45 percent slopes	5.6	0.2%
OnF	Opequon flaggy silty clay loam, 45 to 65 percent slopes	1.7	0.0%
OpF	Opequon-Rock outcrop complex, 45 to 65 percent slopes	48.1	1.3%

Allegany County, Maryland (MD001)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RrG	Rock outcrop-Rough complex, 55 to 100 percent slopes	5.5	0.2%
SsB	Sideling gravelly loam, 3 to 8 percent slopes, very stony	7.4	0.2%
SsC	Sideling gravelly loam, 8 to 15 percent slopes, very stony	60.0	1.7%
SsD	Sideling gravelly loam, 15 to 25 percent slopes, very stony	131.4	3.7%
SsE	Sideling gravelly loam, 25 to 45 percent slopes, very stony	4.7	0.1%
SuB	Sideling-Urban land complex, 0 to 8 percent slopes	81.3	2.3%
SuC	Sideling-Urban land complex, 8 to 15 percent slopes	197.6	5.5%
SuD	Sideling-Urban land complex, 15 to 25 percent slopes	1.9	0.1%
TyA	Tyler silt loam, 0 to 3 percent slopes	11.2	0.3%
TyB	Tyler silt loam, 3 to 8 percent slopes	20.5	0.6%
UvD	Udorthents-Urban land-Rock outcrop complex, 0 to 65 percent slopes	56.6	1.6%
UxB	Urban land, 0 to 8 percent slopes	46.0	1.3%
WeB	Weikert channery silt loam, 3 to 8 percent slopes	0.2	0.0%
WeC	Weikert channery silt loam, 8 to 15 percent slopes	118.1	3.3%
WeD	Weikert channery silt loam, 15 to 25 percent slopes	231.0	6.5%
WeE	Weikert channery silt loam, 25 to 45 percent slopes	570.4	16.0%
WeF	Weikert channery silt loam, 45 to 65 percent slopes	62.4	1.8%
WfE	Weikert very flaggy silt loam, 25 to 45 percent slopes	6.5	0.2%
WfF	Weikert very flaggy silt loam, 45 to 65 percent slopes	2.8	0.1%
WgD	Weikert-Rock outcrop complex, 15 to 25 percent slopes	5.2	0.1%
WgF	Weikert-Rock outcrop complex, 45 to 65 percent slopes	42.7	1.2%
Totals for Area of Interest		3,564.1	100.0%



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