

# Environmental and Historic Preservation Compliance for Hazard Mitigation Assistance Grants

Pennsylvania Emergency Management Agency Conference

September 24, 2011



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# FEMA's EHP Mission



Help communities reduce the impact that disasters and emergency management decisions and operations have on the nation's natural and cultural resources.



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# FEMA's EHP Policy



It is FEMA's policy to integrate environmental and historic preservation considerations into its emergency preparedness, hazard mitigation, disaster planning, and response and recovery activities.



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Environmental quality, natural, cultural and historic resources are important to the communities we serve.



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# Yes but what's in it for me?



- It's the law
- Identify conflicts with resources before the project is baked
- Avoid impacts
- Consider alternatives to improve projects
- Ensure that Applicants receive full funding



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# EHP Laws

Clean Air Act  
Clean Water Act  
Resource Conservation and Recovery Act  
State and Local laws  
Applicants should already be complying with these!

Coastal Zone Management Act  
Endangered Species Act  
Federal actions have additional requirements

National Environmental Policy Act  
Coastal Barrier Resources Act  
Executive Order 11988- Floodplains  
National Historic Preservation Act  
Apply only to federal actions, FEMA will assist.

# FEMA and EHP Review



EHP requirements must be considered together with the operational nature of FEMA's mission to ensure FEMA provides assistance in a timely, reliable and cost effective way



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# Trigger-Construction

Why is my review taking so long?



Some types of new construction may require the preparation of an Environmental Assessment including Public Notice periods and/or interagency consultation.

- Projects disturbing over 5 acres
- Projects located-wetlands and Floodplains.
- Significant changes to drainage systems, waterways or floodplains



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# Trigger- Endangered Species

Why is my review taking so long?



Adverse impacts to endangered species will require:

- Consultation and negotiation with U.S. Fish and Wildlife Service

And may require:

- Modification of project
- Mitigation or treatment measures to compensate for the adverse effect



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# Trigger- National Historic Preservation Act

Why is my review taking so long?



Adverse impacts to historic buildings, districts, sites, structures, may require:

- Public notice
- Consultation and negotiation with State Historic Preservation Offices
- Modification of project
- Mitigation or treatment measures to compensate for the adverse effect
- Written Memorandums of Understanding approved by the Advisory Council on Historic Preservation



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# National Register of Historic Places

- Official inventory of significant historic properties in the United States
- Contains properties that are significant at national, state, local or tribal level
- Maintained by the National Park Service
- Contains over 85,000 listings of buildings, sites, structures, objects and districts



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# National Register of Historic Places

- FEMA must determine if its actions will impact *anything* eligible for the National Register of Historic Places.
- FEMA has streamlining agreements in place for simple project with no impacts.
- Some projects with the potential to impact historic resources may require consultation with the State Historic Preservation Officer.
- The preparation of a consultation *can* require extensive research by a qualified Secretary of the Interior qualified architect, archeologist, or historian.
- SHPO and FEMA must agree on the decision and if needed negotiate proper compensation for the loss of a historic property.



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# Acquisition and Demolition



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# Elevation



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# Improvements to drainage



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# Buildings

Created principally to shelter any form of human activity



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# Building



© Maha 2006



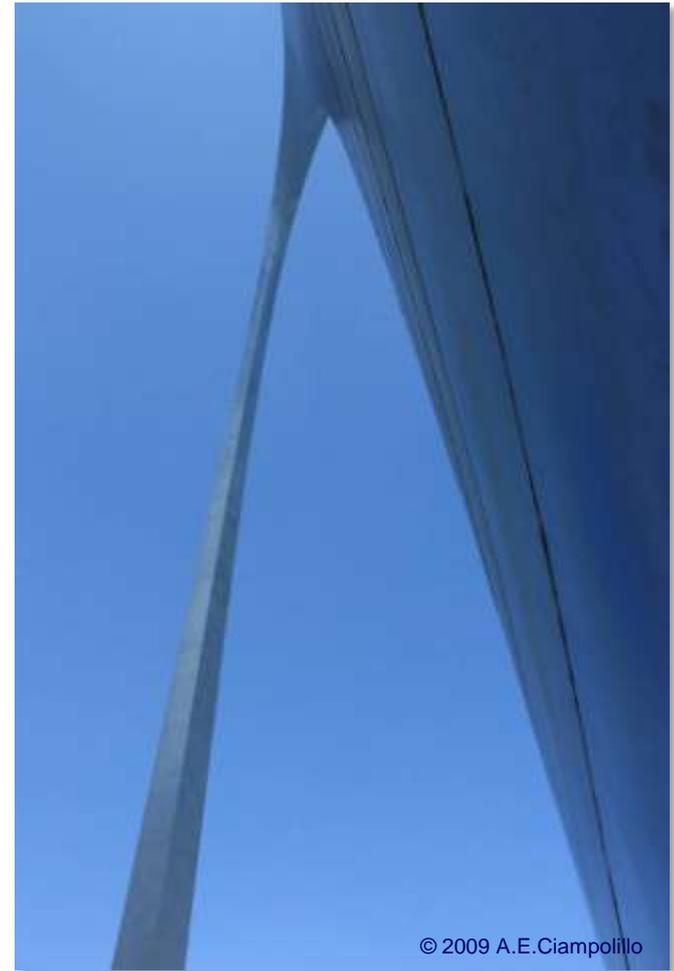
© WV SHPO



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# Structure

A functional construction made for purposes other than creating human shelter.



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# Object

Primarily artistic in nature or are relatively small in scale and simply constructed.



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© Martin Inze

# Object



© Chepe Nicoli



© AR SHPO



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# Sites

The location of a significant event, occupation, or activity, where the location itself passes historic value, regardless of the value of any existing structure.



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# Sites



Photograph #8  
FRESNO SANITARY LANDFILL  
Fresno, California  
Second-generation dragline covering waste with dirt, 1940  
Photographer unknown, from collection of James L. Martin, P.E.



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# Districts

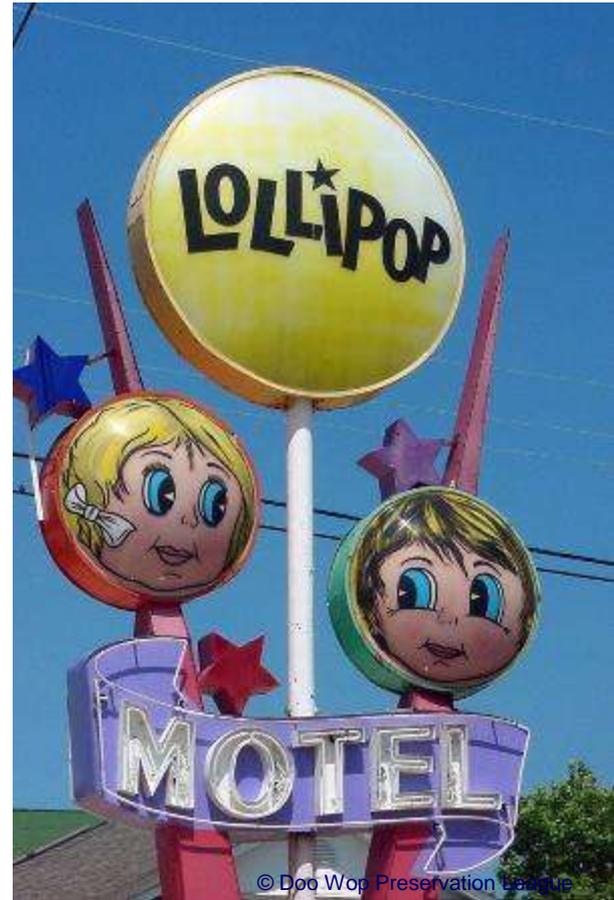
A unified entity, although is often composed of a wide variety of resources.



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© 2010 Jlpapple

# Districts



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© Doo Wop Preservation League

# How can you help expedite reviews?



- Provide clear scopes of work, good pictures and complete information.
- Coordinate with state and local agencies as needed.
- Obtain clearances from any local governing body, e.g. Historic review boards, floodplain manager, planning commission.
- Ensure that public notice is documented and clear.



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RED LINES - BETWEEN ELEMENTS  
 BLUE LINES - ELEMENTS TO BE CLEAR

Scale 1:2,834

Data on map are based on Delaware framework data layers. The Delaware DataMIL is maintained by the Delaware Geological Survey (DGS) and served via the Delaware Department of Technology and Information (DTI) internet.



Magnit: Declination  
 Approx. 11 mls

DataMIL Mini Map



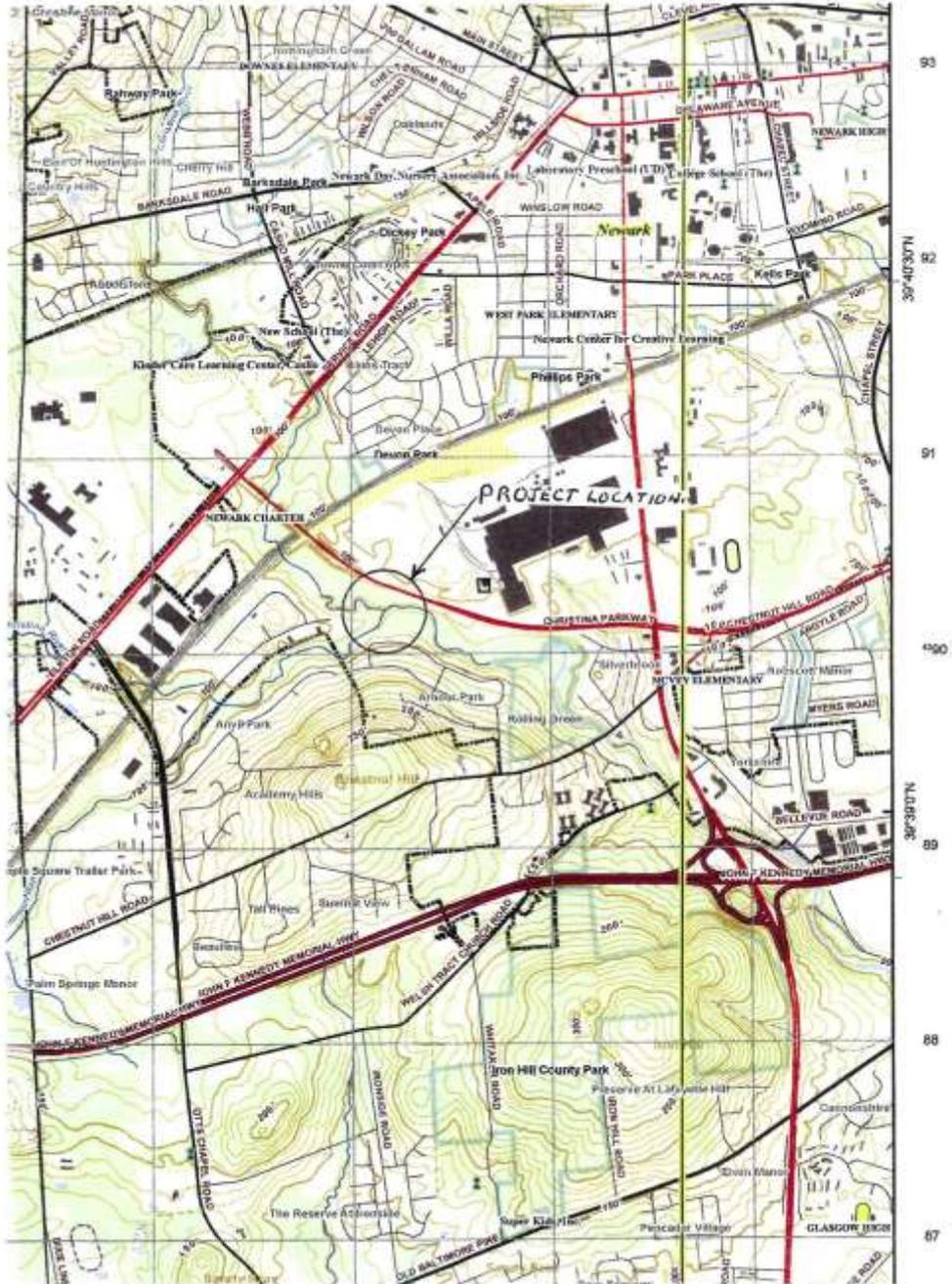
THESE ROUTES ARE REPRESENTATIONS AND MAY CHANGE AS THE DESIGN IS FINALIZED AND CONSIDERED IN THE FIELD ARE VARYING

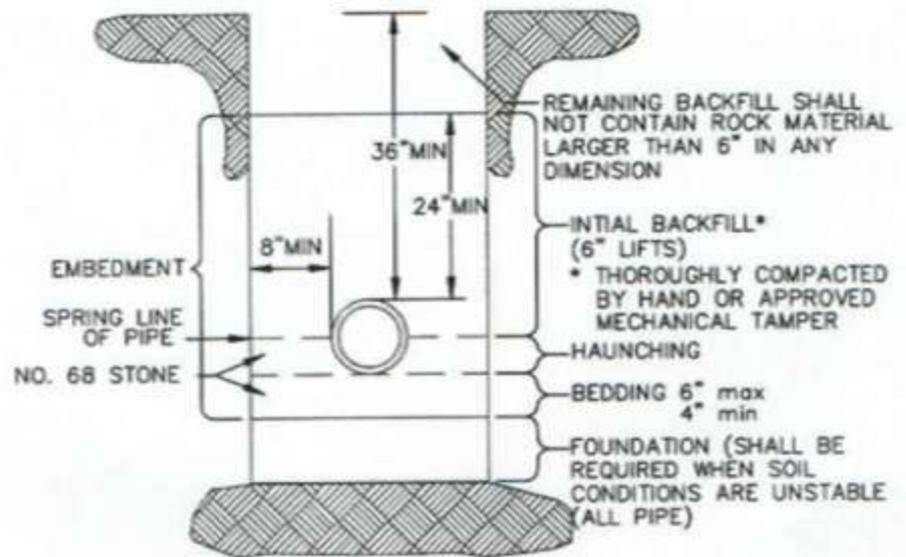


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NOTE :

1. OPEN CUTS IN PAVED AREAS WITHIN EXISTING VDOT RIGHT-OF-WAY SHALL BE BACKFILLED ENTIRELY WITH NO. 21A STONE.
2. FOR DUCTILE IRON PIPE THE BOTTOM OF THE TRENCH SHALL BE SCRAPED AND COMPACTED, AND ALL STONES REMOVED OR A 4" BEDDING OF NO. 68 STONE SHALL BE PROVIDED
3. WHERE ROCK IS ENCOUNTERED PIPE SHALL BE INSTALLED ON A MINIMUM 6" BEDDING OF NO. 68 STONE

TYPICAL SEWER PIPE  
INSTALLATION IN TRENCH

NTS  
FIG. S-3



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Photograph #10

A view of the front of the house showing the initial CMU structure with 2nd floor addition.



Photograph #11

A view of the rear of the house showing the 2-story and 1-story portions of the house.



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Photograph #12  
A view taken from the rear of the house showing the 2-story and 1-story portions.



Photograph #13  
A view taken from the west side of the house.



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Above: View of front façade, looking southwest.

Below: View of side façade at enclosed porch, looking northwest.



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# Some EHP General Principles

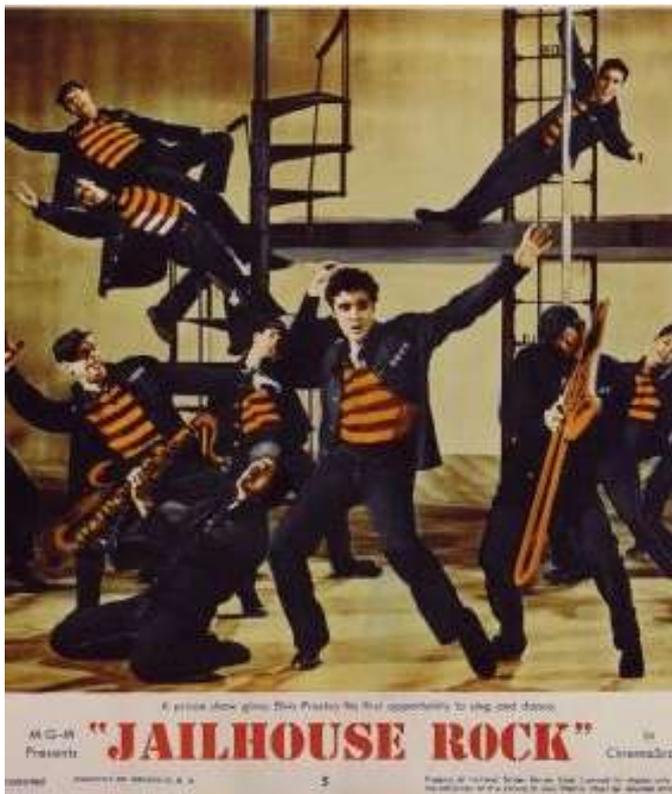


- Good information about the scope of work, location, age of buildings etc is essential to expediting projects!
- EHP review must be completed before work begins
- Length of time for EHP reviews varies depends on project and resources impacted



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# How can we help you?



- Training-we'll come to you!
- Contact us early, we can help identify roadblocks
- Facilitate dialogue with your state resource agencies
- Provide us with feedback if there is a problem or something we can do better



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