



Organized December 14, 1667
"Pride in Middletown"

THE TOWNSHIP OF MIDDLETOWN

Environmental Commission

One Kings Highway
Middletown, NJ 07748-2594
Tel: (732) 615-2000
Fax: (732) 957-9090

FINAL REPORT

PUBLIC RIGHT-OF-WAY INVENTORY

Middletown Township
Monmouth County, New Jersey
HEI Job Code: 0355-002
Project Code: 2005-021

The Middletown Township Environmental Commission has completed its contracted work of creating a map showing municipal paper streets that terminate at fresh and salt water bodies. The intent of the work was to identify public access corridors to the water bodies.

The process involved the combining of existing GIS-based data, specifically, a water body and a tax map data layer. A 500-foot search buffer was established around all water bodies. Any paper streets that fell within the buffer were identified and placed on the final map. A more detailed description of the work is presented by the Township GIS contractor, Maser Consulting and has been enclosed. The following bullets address the HEP final report checklist.

- SUMMARY – The contracted work was performed for \$5,000 and produced a paper and electronic map.
- GOALS REACHED
 - 1) For the first time a township-wide depiction of all paper streets has been created.
 - 2) The final map has been presented to the township open space commission for inclusion in the municipal open space plan.
 - 3) The map has been provided to the municipal planning department for incorporation into the Township's GIS program and to assist its review of street vacation applications.
 - 4) The map is available at the monthly Environmental Commission meetings when reviewing street vacation and subdivision applications. The Commission is recommending denial of all applications for paper streets that appear on the map. Waterfront subdivisions proposing street vacation and eliminating public access are being discouraged.
 - 5) Local grass roots groups (Leonardo) are identifying overgrown right-of-ways and creating paths for public beach access.
 - 6) Copies of the CD are being made to provide to The Baykeeper, the NJDEP coastal department, and to the GIS offices at Rutgers University and Monmouth County.

- HIGHLIGHTS – The ease of generating the map from existing databases and the rapidity of producing the final product.
- PROBLEMS – The time it took for the Township to reimburse the contractor in order to close the HEP contract.
- EVALUATIONS – None
- HEP ASSISTANCE – Any Commission questions were answered promptly via email or telephone by the HEP staff.
- ATTACHMENTS - None



To: Mr. Michael Fedosh
Re: Proposal for Professional Services
Environmental GIS Services
Middletown Township, Monmouth County, New Jersey
MC Proposal No. 05000026 – P01

February 4, 2005
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A. EASEMENTS

The easement layer will be created using the easement information from the Middletown Township digital taxmaps. These easements will be brought into ArcINFO as a polygon data layer. Two fields will be created in the attribute table. These fields will be the width of the easement (WIDTH) and the type of the easement (TYPE). Maser will populate the fields with the information from the taxmaps. When information is not given, Maser will leave the cells in the attribute table blank.

B. 200' AND 500' BUFFERS AROUND STREAMS AND LAKES

Maser will create a polygon shape file outlining a 200' and a 500' buffer around all lakes and streams within the Township of Middletown. This file will be created using secondary data that is from the Monmouth County GIS Land Base Project. Maser realizes there are many stream and lake layers available in GIS format and prefers to use the best quality and most accurate data for the creation of this new layer. The data from the Monmouth County GIS Land Base Project is the most accurate information available, which will ensure the creation of a highly accurate data layer. A width (WIDTH) field will be added to the attribute table to help future uses of the data realize the buffer widths.

C. PAPER STREETS WITHIN THE STREAM AND LAKE BUFFERS

The paper streets will be created by analyzing roadway segments using aerial photography along with the GIS parcel layer and building layers. Maser will only add paper streets to this layer that fall within the buffer areas that will be created in part B of the proposal. The paper streets file will be a polygon data layer. Maser will create two new fields in the attribute layer. These fields will be called (NAME) which will be populated with the road name if one is given, and (TYPE) which will be populated with the road type. When this information is not given the cell in the attribute table will be left blank.

DELIVERABLES

Mapping will be delivered digitally on CDROM. Mapping data will be delivered in ESRI ArcINFO 9.0 Geodatabase format. The final deliverables will include one hard copy color map. The printing described in this proposal is included in the prices shown within the fee schedule. Any additional printing over and above the one map will be charged as a reimbursable in accordance with Maser's Standard Rate Schedule.

Client's Initials MF

