



Environmental Consulting & Technology, Inc.

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Ph: (734) 769-3004 Fax: (734) 769-3164
www.ectinc.com

LETTER OF TRANSMITTAL

DATE:	July 14, 2009	PROJECT NAME:	OMID
TO:	Jonathan M. Berman Project Manager, EQA	PROJECT #:	071299 Task 2100
COMPANY:	MDEQ -ESSD-RLOCS	FROM:	Demetria R. Janus
ADDRESS:	Constitution Hall – 3 rd Floor South 525 W. Allegan		
CITY, STATE & MI:	Lansing, MI 48933	VIA:	Fed Ex

Subject: Oakland-Macomb Interceptor Drain Rehabilitation SRF

WE ARE SENDING YOU: Attached Under Separate Cover

Comments:

Attached please find correspondence from Southeast Michigan Council of Governments (SEMCOG) and the State of Michigan Department of Natural Resources (MDNR), Wildlife Division regarding the Oakland-Macomb Interceptor Drain Rehabilitation proposed project. SEMCOG noted that the SRF project plan is consistent with applicable plans and forecasts. MDNR stated that the project should have no impact on rare or unique natural features.

Please include these correspondences as additional attachments to the Oakland-Macomb Interceptor Drain Rehabilitation SRF. If you have any questions, please do not hesitate to contact us.

Demetria R. Janus, Environmental Scientist
Environmental Consulting & Technology, Inc.

Copy To: James P. Pistilli, MCPWO
Mike McMahon, OCWRC
Fritz J. Klingler, NTH
John Bona, ECT

June 23, 2009

Demetria Janus
Environmental Consulting & Technology, Inc.
2200 Commonwealth Blvd, Suite 300
Ann Arbor, MI 48105

RECEIVED
JUL 13 2009
ECT - ANN ARBOR

RE: Application for assistance from Michigan Dept of Environmental Quality, State Revolving Fund for a project entitled "Oakland-Macomb Interceptor Drain"
Regional Clearinghouse File No.: EN 091072

Dear Ms Janus:

SEMCOG, the Southeast Michigan Council of Governments, has processed a review for the above application according to intergovernmental review procedures established in Presidential Executive Order 12372 and assumed in the Michigan Federal Project Review System.

As the designated regional planning agency for Southeast Michigan, we notified the following local government agencies of your project: West Bloomfield Township; Waterford Township; Washington Township; Village of Oxford; Village of New Haven; Village of Lake Orion; SEMCOG/Environmental Programs; Oakland County Planning & Econ Development Svc; Oakland County Fiscal Services; Macomb Township; Macomb Co. Planning & Economic Development Dept; Lenox Township; Independence Township; City of the Village of Clarkston; City of Utica; City of Sterling Heights; City of Rochester Hills; City of Rochester; City of Lake Angelus; City of Fraser; City of Auburn Hills; Chesterfield Township; Charter Township of Shelby; Charter Township of Oxford; Charter Township of Orion; Charter Township of Harrison; and Charter Township of Clinton.

As of this date, SEMCOG/Environmental Programs; and Macomb Co. Planning & Economic Development Dept have submitted written comments, which are attached. We will forward additional comments, if any, for your information and attention.

SEMCOG's staff has reviewed the application materials which you submitted and finds that your project does not conflict with areawide plans.

Sincerely,



William Parkus
Regional Review Office

cc: Macomb Co. Planning & Economic Development Dept; SEMCOG/Environmental Programs



PLANNING & ECONOMIC DEVELOPMENT

1 S. Main St., 7th Floor
Mount Clemens, Michigan 48043
586-469-5285 Fax 586-469-6787
www.macombcountymi.gov/planning

Stephen N. Cassin, AICP
Executive Director

Donald Mcrandini
Deputy Director

June 2, 2009

Mr. William Parkus
Regional Review Office Coordinator
Southeast Michigan Council of Governments
535 Griswold Street, Suite 300
Detroit, MI 48226-3602

RE: Regional Clearinghouse Code: #EN 091072
Environmental Consulting & Technology, Inc.
Oakland-Macomb Interceptor Drain
Michigan Department of Environmental Quality,
State Revolving Fund

Dear Mr. Parkus:

In accordance with Presidential Executive Order No. 12372, we have reviewed the above referenced project and find that it does not appear to conflict with any plans currently in our office.

On this basis, we would recommend favorable consideration by the Michigan Department of Environmental Quality, State Revolving Fund.

If you should have any questions, please do not hesitate to contact me.

Sincerely,

Stephen N. Cassin, AICP
Executive Director

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JUN 05 2009
SEMCOG

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June 8, 2009

TO: File (EN 091072)

FROM: William Parkus

SUBJECT: Oakland Macomb Interceptor Drain SRF Project Plan
Environmental Consulting & Technology, Inc.

Background

The Oakland-Macomb Interceptor Drain is part of an existing sanitary sewer system that was constructed in the 1970s by the Detroit Water and Sewerage Department (DWSD). The system is divided in three major interceptors: Edison Corridor, Oakland Arm, and Avon Arm. The Oakland-Macomb Interceptor, which is part of the Edison Corridor, is the sole conveyance conduit for wastewater from over 830,000 people in Oakland and Macomb Counties to the Detroit Wastewater Treatment Plant for treatment.

The Oakland-Macomb Interceptor recently received full in-depth inspections, identifying a number of areas of major deterioration, significant continuous infiltration with deposits of soil and serious structural deficiencies.

It is the intent of this SRF project plan to conduct extensive rehabilitation of the Oakland-Macomb Interceptor to return the facility to a condition commensurate with a 20 year life span.

Proposed Project

The rehabilitation option consists of coordinated efforts leading to the physical rehabilitation of the interceptor that optimizes performance, hydraulic capacity and structural stability. The rehabilitation will use a number of repair methods including:

- *Cured-in-place pipe (CIPP) liner*: Insertion of a resin impregnated fabric tube into a sewer section with curing by heated water.
- *Sliplining*: Inserting a smaller diameter pipe into the existing sewer section.
- *Localized repairs*: Modified versions of either CIPP or Sliplining.
- *Panel lining*: A modified version of the Sliplining process.
- *Spiral wound pipe*: A modified version of sliplining process – sewer is lined with interlocking PVC sheet
- *Cementitious Mortar Coating/shotcrete*: Application of mortar lining of the interior pipe surface.

The project will be conducted over a five year period (2009-2013) and its estimated total project cost is \$160,068,220.

Oakland Macomb Interceptor Drain SRF Project Plan
Environmental Consulting & Technology, Inc.

Staff Finding

SEMCOG staff has reviewed the above referenced draft SRF project plan and finds it to be consistent with the *Water Quality Management Plan for Southeast Michigan*.

SEMCOG policies limit the use of state and federal funds for sewer system improvement projects to predominantly addressing health problems, not funding growth. For a project to be consistent with the *Water Quality Management Plan* it must be located inside a sewer funding eligible service area. Such is the case here.

Finally, the population projections used in the draft SRF project plan are consistent with SEMCOG's 2035 Regional Development Forecast.



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES

LANSING

June 22, 2009



REBECCA A. HUMPHRIES
DIRECTOR

Mr. John Bona
Environmental Consulting & Technology, Inc.
719 Griswold Street, Suite 1040
Detroit, MI 48226

RE: Proposed Oakland-Macomb Interceptor Drain Rehabilitation

Dear Mr. Bona:

The location of the proposed project was checked against known localities for rare species and unique natural features, which are recorded in a statewide database. This continuously updated database is a comprehensive source of existing data on Michigan's endangered, threatened, or otherwise significant plant and animal species, natural plant communities, and other natural features. Records in the database indicate that a qualified observer has documented the presence of special natural features at a site. The absence of records in the database for a particular site may mean that the site has not been surveyed. The only way to obtain a definitive statement on the status of natural features is to have a competent biologist perform a complete field survey.

Under Act 451 of 1994, the Natural Resources and Environmental Protection Act, Part 365, Endangered Species Protection, "a person shall not take, possess, transport, ... fish, plants, and wildlife indigenous to the state and determined to be endangered or threatened," unless first receiving an Endangered Species Permit from the Department of Natural Resources, Wildlife Division. The presence of threatened or endangered species does not preclude activities or development, but may require alterations in the project plan. *Species may be present that have not been recorded in the database.*

The following is a summary of the results of the review in Macomb County, several sections in T2N R12E and several sections in T3N R12E:

The project should have no impact on rare or unique natural features at the locations specified above if it proceeds according to the plans provided. Please contact me for an evaluation if the project plans are changed.

Thank you in for your coordination in addressing the protection of Michigan's natural resource heritage. Responses and correspondence can be sent to: Michigan Department of Natural Resources, Wildlife Division – Natural Heritage Program, PO Box 30180, Lansing, MI 48909. If you have further questions, please call me at 517-373-1263 or e-mail at SargentL@michigan.gov.

Sincerely,


Lori G. Sargent
Endangered Species Specialist
Wildlife Division

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