

## DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT

JENNIFER M. GRANHOLM

Jackson District Office

REBECCA A. HUMPHRIES

January 21, 2010

Mr. Timothy R. Cullen University of Michigan 1239 Kipke Drive Ann Arbor, Michigan 48109

Dear Mr. Cullen:

SUBJECT: Department of Natural Resources and Environment File Number 09-81-0051-P

T3S, R6E, Section 5, Pittsfield Township, Washtenaw County

We received your letter dated January 7, 2010 requesting a minor revision for work authorized by your Department of Environmental Quality (DEQ) permit.

This letter authorizes revision of your permit to: Jack and bore a 12-inch water main, with a 20-inch casing pipe, a minimum of four (4) feet beneath the bottom of a stream and its adjacent wetland in accordance with the attached revised project plans dated January 21, 2010.

You are reminded that all conditions as set forth in the original permit remain in full force. This letter must be attached to your permit, kept at the site of the work, and be available for inspection at all times during the duration of the project or until the date of expiration. This revision does not obviate the need for other Federal, State, and/or local permits as may be required by law.

If you have additional questions, please contact this office.

Sincerely,

James Sallee

Environmental Quality Specialist Land and Water Management Division

517-780-7910

Attachment

cc/att: City of Ann Arbor

## Description of Proposed Project, Associated Activities, Construction Sequence, and Methods

photos, location, and detailed information on the proposed water main construction. the construction of a new water main connection. Please refer to sheets two through twelve for The work that will be taking place on the University of Michigan Wrestling Facility site will include

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The construction sequence for the project will be as follows:

construct temporary construction access, and place silt sacks where indicated on the plans 1. Install silt fence around defined perimeter as shown on plans, install tree protection and 

Clear, grub, and strip topsoil in areas of earth disruption.

Complete land balancing operations.

Install underground utilities.

Perform paving operations, fine grading, and landscaping.

filters shall be periodically inspected and cleaned/replaced as necessary. Erosion control measures are not to be removed until U of M OSEH grants its approval. Inlet KEVISED

drilling mud will be prevented from entering the wetlands. erosion and sedimentation control measures including, but not limited to, silt fence and sedimentation barriers will be used to prevent soil erosion and to protect the existing wetland. practices. Low impact construction will be used in the areas around the wetlands. All necessary soil The methods used to construct the proposed work on this project will be normal construction A//

the stream and wetland. There will be no fill or excavation of the adjacant wetland. resulting in zero impact to the adjacent stream and wetland. wetland. fence and sedimentation barriers. mud will be prevented from entering the wetlands. Soil erosion will be prevented by means of silt 48" from the top of casing to bottom of stream bed. There will be 22 lineal feet of pipe below The project involves the construction of a new 12" water main below an existing stream and A 20" O.D. casing will be installed below the stream bed by means of jack & bore, The casing will have a minimum of All drilling

DRAWN D. Suggitt

J. Arnold

01/07/10

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Wrestling Facility Water Mair University of Michigan

Ann Arbor, Michigan Project Description

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ASSOCIATES, SURVEYORS

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DRAWING NO. DV0919WT

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APPROVED PLANS





