State of Michigan
Department of Natural Resources and Environment

Land and Water Management Division
301 E. Louis Glick Hwy.
Jackson MI, 49201-1535
517-780-7690

File No. 10-81-0004-P

Date: February 11, 2010

PUBLIC NOTICE

University of Michigan, 1239 Kipke Drive, OSEH-CSSB, Ann Arbor, Michigan, 48109, has applied to this office for a permit under authority of Part 301, Inland Lakes and Streams, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The applicant, with authorization from the City of Ann Arbor, proposes to temporarily place three art structures in the Huron River and floodway for the purpose of public viewing and enjoyment to show the aesthetic potential of water. The structures will be located adjacent to city parks near Broadway and Fuller (Broadway Park) Medical Center Drive (Nichols Arboretum Nature Area) and Geddes Road (Gallup Park). The three art displays will be temporarily placed in the river by the artist between March and September 2010. Each vessel-shaped display is comprised of bronze mesh, standing approximately 7 feet above the surface of the water and with a top maximum diameter of approximately 7 feet. The artwork will be supported by a metal base embedded in a 2 foot by 2 foot by concrete block covered with natural stone resulting in a maximum total fill area of 5 feet long by 5 feet wide by 3.5 feet high. Total fill volume will be a maximum of 15 cubic yards. The Broadway Park and Arboretum structures will be placed approximately 13 feet from shore, whereas the Gallup Park structure will be placed approximately 30 feet from shore. The project is located in T2S, R6E, Section 20 & 21, City of Ann Arbor, Washtenaw County, Michigan, in accordance with plans attached to this notice.

THIS NOTICE IS NOT A PERMIT

The proposed project may also be regulated by one or more additional parts of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, that are administered by the Land and Water Management Division (LWMD). The requirements of applicable parts are considered in determining if it is in the public interest to issue a permit.

When a permit application is received requesting authorization to work in or over the inland waters of the State of Michigan, pursuant to PART 301, INLAND LAKES AND STREAMS, OF THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT, 1994 PA 451, AS AMENDED, the Act provides that the department submit copies for review to the department of public health, the city, village or township, and the county where the project is to be located, the local soil conservation district, any local watershed council organized under Part 311, and the local port commission. Additional notification is provided to certain persons as required by statute or determined by the department.

Those persons wanting to make comments on the proposed project shall furnish this office with their written comments no later than 20 days from the date of this notice. Written comments will be made part of the record and should reference the above file number. Objections must be factual, specific, and fully describe the reasons upon which any objection is founded. Unless a written request is filed with the department within the 20-day public comment period, the department may make a decision on the application without a public hearing. The determination as to whether a permit will be issued or a public hearing held will be based on evaluation of all relevant factors defined in Sections 30106 and 30311, or permit criteria defined by other appropriate Parts of the NREPA. These Sections address the effect of the proposed work on the public trust or interest including navigation, fish, wildlife, and water quality among other criteria. Public comments received will also be considered.

cc: DNRE, Fisheries-Southfield
DNRE, Wildlife-Rose Lake
Washtenaw Co. Clerk
Washtenaw Co. Drain Commission
University of Michigan, applicant
DNRE, RRD site 81-24,25,93,94,530,547,560-135,412,497,41,43,442
Huron River Watershed Council
History Division
Washtenaw Co. Health Dept.
City of Ann Arbor Clerk
Washtenaw Soil Conservation Dist.
DNRE, Natural Heritage
see file for adjacent property owners

US Army Corps of Engineers (USACE) | Michigan Department of Environmental Quality (MDEQ) DEQ

AGENCY USE				
	Previous USACE Permit or File Number	Date Received	Land and Water Management Division, MDEQ File Number: 10-81-0004-P	AGENCY USE
	USACE File Number	RECEIVED FEB 09 2010	Pre-application Number or Marina Operating Permit Number: 09-81-0052-P	
	District Office: Detroit James Sallee		Fee received $: 500 Individual	

Read instructions pages i - iii. All of the following boxes below must be checked and information provided for the application to be processed:

Permit Coordination Unit

- ☒ All items in Sections 1 through 9 are completed
- ☒ Items in Sections 10 through 21 that apply to the project are completed
- ☒ Dimensions, volumes and calculations are provided
- ☒ Reproducible location map, site plan(s), cross sections and photographs are provided, one set must be black and white on 8 ½ by 11 inch paper.
- ☒ Date project was staked *02/2010*
- ☒ Application fee is attached
- ☒ All requested supplementary attachments (➡) are included
- ☒ List any additional attachments, tables, etc.: *Attachments: Section 3-Owner Authorization; Section 4-Project Statement & Photos; Section 5-Maps/Directions to Project Sites; Section 8-Adjacent Property Owners; Section 10A/13-Cross-Sections, Site Plans & Photos; Section 10A/13-Fill Dimensions; Section 13-FEMA Flood Maps; Application Fee ($500)*

1 PROJECT LOCATION INFORMATION

• Refer to your property's legal description for the Township, Range, and Section information, and your property tax bill for your Property Tax Identification Number(s).

Site location Address (road, if no street address)	Zip Code	Township Name(s)	Township(s)	Range(s)	Section(s)
on the Huron River Longshore Drive; Nichols Drive; Fuller Road	*48105; 48103*	*Ann Arbor*	*2S*	*6E*	*20; 21 28; 36*

City/Village	County(ies)	Property Tax Identification Number(s)
Ann Arbor	*Washtenaw*	*09-09-21-305-005; 09-09-28-101-006; 09-09-26-303-001*

Name of Waterbody	Project Name or Job Number	Subdivision/Plat	Lot Number	Private Claim
Huron River	*Art on the Huron; JPA File No. 09-81-0052-P*			

Project types (check all that apply): ☐ private ☐ public/government ☐ industrial ☐ commercial ☐ multi-family ☐ building addition ☐ new building or structure ☐ building renovation or restoration ☐ river restoration ☐ single-family ☐ project is receiving federal transportation funds ☒ other (explain) *Artwork-temporary installations in Huron River*

The proposed project is on, within, or involves (check all that apply)

☐ a legally established County Drain (date established) (M/D/Y) / /

☐ a stream	☐ a pond (less than 5 acres)	☐ a Great Lake or Section 10 Waters	☐ a natural river	☐ a new marina
☒ a river	☐ a channel/canal	☐ a designated high risk erosion area	☐ a dam	☐ a structure removal
☐ a ditch or drain	☐ an inland lake (5 acres or more)	☐ a designated critical dune area	☐ a wetland	☐ a utility crossing
☒ a floodway area	☐ a 100-year floodplain	☐ a designated environmental area	☐ 500 feet of an existing waterbody	

2 DESCRIBE PROPOSED PROJECT AND ASSOCIATED ACTIVITIES, AND THE CONSTRUCTION SEQUENCE AND METHODS (attached additional sheets)

Written Summary of All Proposed Activities. *The project is proposing temorary installation of a series of artworks at 3 points along the Huron River from March through September. The vessel-shaped artworks are comprised of bronze in a grid-like mesh, standing approximately 6-7 feet tall with various diameters. The artworks will be supported by a metal substructure and weighted with a concrete base that will sit on the riverbed. The base will then be covered with natural stones to weight the base and help the artwork fit more naturally into the site.*

Construction Sequence and Methods. *Manual installation of artwork, then overlay of natural stone over the base by hand.*

3 APPLICANT, AGENT/CONTRACTOR, AND PROPERTY OWNER INFORMATION

Owner/Applicant (individual or corporate name)	Agent/Contractor (firm name and contact person)
University of Michigan	
Mailing Address *1239 Kipke Dr., OSEH-CSSB; Attn: Tim Cullen*	Address
City *Ann Arbor* State *MI* Zip Code *48109-1010*	City State Zip Code
Daytime Phone Number with Area Code *734-763-5267* Cell Phone Number - -	Daytime Phone Number with Area Code - - Cell Phone Number - -
Fax *734-763-1185* E-mail *trcullen@umich.edu*	Fax - - E-mail

☒ No ☐ Yes Is the applicant the sole owner of all property on which this project is to be constructed and all property involved or impacted by this project?

➡ If no, attach letter(s) of authorization from all owners. A letter signed by each property owner authorizing the agent/contractor/other owner to act on his or her behalf or a copy of easements or right-of-ways must be provided. If multiple property owners, also attach a list of all owners along with their names, mailing addresses, and telephone numbers. If the applicant is a corporation, a corporate officer must provide written document authorizing any agent/contractor listed above to act on its behalf. A letter of authorization must be provided from an owner receiving dredge spoils on their property, or where access through their property is required..

Property Owner's Name (If different from applicant)	Mailing Address		
City of Ann Arbor, c/o Parks Dept.	*100 N. Fifth Ave., P.O. Box 8647*		
Daytime Phone Number with Area Code / Cell Phone Number	City	State	Zip Code
734-994-2780 / *734-994-8312*	*Ann Arbor*	*MI*	*48107*

☒ No ☐ Yes Is there a MDEQ conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property in the project area?
➡ If yes, attach a copy.

4 PROPOSED PROJECT PURPOSE, INTENDED USE, AND ALTERNATIVES CONSIDERED (Attach additional sheets if necessary)

Purpose/Intended Use: The purpose must include any new development or expansion of an existed land use. *The project is proposing temorary installation of a series of artworks for public viewing and enjoyment that will be located at 3 points on the Huron River (with access via the City of Ann Arbor Parks) from March through September. The series of artworks were developed to explore the aesthetic potential of water; to show how water has creative dimensions that can enrich our lives and the environment; to raise subtle questions about our interaction with the watery world. The vessel-shaped artworks are comprised of bronze in a grid-like mesh, standing approximately 6-7 feet tall with various diameters. The artworks will be supported by a metal substructure and weighted with a concrete base that will sit on the riverbed. The base will then be covered with natural stones to weight the base and help the artwork fit more naturally into the site. A project statement by the artist William Dennisuk is provided (see attachment-Section 4).*

Alternatives: Include a description of alternatives considered to avoid or minimize resource impacts. Include factors such as, but not limited to, alternative construction technologies; alternative project layout and design; and alternative locations. For utility crossings, include both alternative routes and alternative construction methods.
The alternative is no artwork installations within the river. The three sites chosen were identified based on viewability, access from Ann Arbor Parks, location on the Huron River and based on the aesthetics of the sites. Alternative locations reviewed included: Island Park, but the potential for a dry riverbed precluded its use. Alternative sites along the river were reviewed, but were not chosed due to the depth of the river and/or the preference of the Parks Department. One location reviewed was Broadway on the Railroad side of the river, but installation access was not feasible from the City park. Another location reviewed was at Argo Pond, but there were location challenges with the canoe routes so this location is not being pursued.

5 LOCATING YOUR PROJECT SITE

➡Attach a black and white, legible copy of a map that clearly shows the site location and road from the nearest major intersection, and includes a north arrow.

Is there an access road to the project? ☐ No ☒ Yes (If Yes, type of road, check all that apply) ☐ private ☐ public ☐ improved ☐ unimproved

Name of roads at closest main intersection *Access via Ann Arbor Parks; see location attachment* and

Directions from main intersection *see attachment-Section 5*

Style of house or other building on site ☐ ranch ☐ 2-story ☐ cape cod ☐ bi-level ☐ cottage/cabin ☐ pole barn ☐ none ☐ other (describe)

Color / Color of adjacent property house and/or buildings / House number / Street name

Fire lane number / Lot number / Address is visible on ☐ house ☐ garage ☐ mailbox ☐ sign ☐ other (describe)

How can your site be identified if there is no visible address?

Provide directions to the project site, with distances from the best and nearest visible landmark and waterbody

Does the project cross the boundaries of two or more political jurisdictions? (City/Township, Township/Township, County/County, etc.)
☒ No ☐ Yes ➡ If Yes, list jurisdictions:

6 List all other federal, interstate, state, or local agency authorizations required for the proposed activity, including all approvals or denials received.

Agency	Type approval	Identification number	Date applied	Date approved / denied	If denied, reason for denial
City of Ann Arbor-Parks Advisory Commission	*Resolution / Owner Authorization*	*n/a*	*11/09*	*12/15/09*	*Resolution Approved see attachment-Section 3*

7 COMPLIANCE

If a permit is issued, date activity will commence (M/D/Y) *03/01/2010*

Proposed completion date (M/D/Y) *09/30/2015*

Has any construction activity commenced or been completed in a regulated area? ☒ No ☐ Yes
➡If Yes, identify the portion(s) underway or completed on drawings or attach project specifications and give completion date(s) (M/D/Y) / /

Were the regulated activities conducted under a MDEQ permit? ☐ No ☐ Yes
If Yes, list the MDEQ permit number

Are you aware of any unresolved violations of environmental law or litigation involving the property? ☒ No ☐ Yes (If Yes, explain)

8 ADJACENT/RIPARIAN AND IMPACTED OWNERS (Attach additional sheets if necessary)

- Complete information for all adjacent and impacted property owners and the lake association or established lake board, including the contact person's name.
- If you own the adjacent lot, provide the requested information for the first adjacent parcel that is not owned by you.

Property Owner's Name	Mailing Address	City	State	Zip Code
City of Ann Arbor (c/o Parks Advisory Commission) Attn: S. Rosencrans	*100 N. Fifth Ave., P.O. Box 8647*	*Ann Arbor*	*MI*	*48107*

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Name of ☐ Established Lake Board ☐ or Lake Association
and the Contact Person's name, phone number, and mailing address

9 APPLICANT'S CERTIFICATION READ CAREFULLY BEFORE SIGNING

I am applying for a permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application; that it is true and accurate; and, to the best of my knowledge, that it is in compliance with the State Coastal Zone Management Program. I understand that there are penalties for submitting false information and that any permit issued pursuant to this application may be revoked if information on this application is untrue. I certify that I have the authority to undertake the activities proposed in this application. By signing this application, I agree to allow representatives of the MDEQ, USACE, and/or their agents or contractors to enter upon said property in order to inspect the proposed activity site and the completed project. I understand that I must obtain all other necessary local, county, state, or federal permits and that the granting of other permits by local, county, state, or federal agencies does not release me from the requirements of obtaining the permit requested herein before commencing the activity. I understand that the payment of the application fee does not guarantee the issuance of a permit.

	Printed Name	Signature	Date (M/D/Y)
☐ Property Owner ☒ Agent/Contractor ☐ Corporation/Public Agency – Title	*Timothy R. Cullen*	*T R Cullen*	*02/04/2010*

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10 PROJECTS IMPACTING WETLANDS OR FLOODPLAINS OR LOCATED ON AN INLAND LAKE OR STREAM OR A GREAT LAKE

- Check boxes A through M that may be applicable to your project and provide all the requested information.
- If your project may affect wetlands, also complete Section 12. If your project may impact regulated floodplains, also complete Section 13.
- To calculate volume in cubic yards (cu yd), multiply the average length in feet (ft) times the average width (ft) times the average depth (ft) and divide by 27.
- Some projects on the Great Lakes require an application for conveyance prior to Joint Permit Application completeness.

➡Provide a cross-section and overall site plan showing existing lakes, streams, wetlands, and other water features; existing structures; and the location of all proposed structures, land change activities and soil erosion and sedimentation control measures. Review Appendix B and EZ Guides for completing site-specific drawings.

➡Provide tables for multiple impact areas or multiple activities and provide fill and excavation/dredge calculations.

Water Level Elevation

On a Great Lake use IGLD 85 ☐ surveyed ☐ converted from observed still water elevation. On inland waters, ☐ NGVD 29 ☐ NAVD 88 ☒ other ***depth measured in field*** Observed water elevation (ft) ***2-3.5 depth (see attachment-Section10A/13)*** date of observation (M/D/Y) ***10/28/09***

☐ **A. PROJECTS REQUIRING FILL** (See All Sample Drawings)

- Attach both overall site plan and cross-section views to scale showing maximum and average fill dimensions.

(Check all that apply) ☐ floodplain fill ☐ wetland fill ☐ riprap ☐ seawall, bulkhead, or revetment ☐ bridge or culvert ☐ boat launch ☐ off-shore swim area ☐ beach sanding ☐ boatwell ☐ crib dock ☒ other ***temporary artwork installation (spring to fall)***

Fill dimensions (ft)	Total fill volume (cu yd)	Maximum water
length *5* width *5* maximum depth ***5 (max.); (avg=3)***	***5 x 3 sites = 15 total***	depth in fill area (ft) ***see attachment-Section 10A/13***

Type of clean fill ☐ pea stone ☐ sand ☐ gravel ☐ wood chips ☒ other ***Concrete base covered with natural stones.***

Will filter fabric be used under proposed fill? ☒ No ☐ Yes (If Yes, type)

Source of clean fill ☐ on-site, ➡If on-site, show location on site plan. ☒ commercial ☐ other, ➡If other, attach description of location.

Fill will extend feet into the water from the shoreline and upland feet out of the water.

Fill volume below OHWM (cu yd) ***5x3sites=15 total***

☐ **B. PROJECTS REQUIRING DREDGING OR EXCAVATION** (For dredging projects see Sample Drawing 7, for excavation see other applicable Sample Drawings)

- Attach both overall site plan and cross-section views to scale showing maximum and average dredge or excavation dimensions and dredge disposal location.
- Refer to www.michigan.gov/jointpermit for disposal requirements and authorization.

(Check all that apply) ☐ floodplain excavation ☐ wetland dredge or draining ☐ seawall, bulkhead, or revetment ☐ navigation ☐ boat well ☐ boat launch ☐ other

Total dredge/excavation volume (cu yd)	Dimensions length width depth	Dredge/excavation volume below OHWM (cu yd)	Method and equipment for dredging

Has proposed dredge material been tested for contaminants? ☐ No ☐ Yes ➡If Yes, provide test results with a map of sampling locations.

Dredged or excavated spoils will be placed ☐ on-site ☐ off-site. ➡Provide detailed disposal area site plan and location map. ➡Provide letter of authorization from owner, if disposing of spoils off site.

Has this same area been previously dredged? ☐ No ☐ Yes If Yes, date and permit number: / / / If Yes, are you proposing to enlarge the previously dredged area? ☐ No ☐ Yes

Is long-term maintenance dredging planned? ☐ No ☐ Yes If Yes, when and how much?

☐ **C. PROJECTS REQUIRING RIPRAP** (See Sample Drawings 2, 3, 8, 12, 14, 17, 22, and 23. Others may apply)

Riprap waterward of the ☐ shoreline OR ☐ ordinary high water mark	Dimensions (ft) length width depth	Volume(cu yd)
Riprap landward of the ☐ shoreline OR ☐ ordinary high water mark	Dimensions (ft) length width depth	Volume(cu yd)

Type of riprap ☐ field stone ☐ angular rock ☐ other

Will filter fabric be used under proposed riprap? ☐ No ☐ Yes (If Yes, type)

☐ **D. SHORE PROTECTION PROJECTS** (See Sample Drawings 2, 3, and 17) Complete Sections 10A, B, and/or C above, as applicable.

(check all that apply) ☐ riprap – length (ft) ☐ seawall/bulkhead – length (ft) ☐ revetment – length (ft)

Distances of project from both property lines (ft)

☐ **E. DOCK - PIER – MOORING PILINGS – ROOFS** (See Sample Drawing 10)

Dock Type ☐ open pile ☐ filled ☐ crib Seasonal support structure? ☐ No ☐ Yes

Permanent Roof? ☐ No ☐ Yes Mounted on Maximum Dimensions: length width height

Proposed structure dimensions (ft) length width

Dimensions of nearest adjacent structures (ft) length width

☐ **F. BOAT WELL** (See EZ Guides)

Type of sidewall stabilization ☐ wood ☐ steel ☐ concrete ☐ vinyl ☐ riprap ☐ other

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Boat well dimensions (ft) length width depth

Number of boats

Volume of backfill behind sidewall stabilization (cu yd)

Distances of boat well from adjacent property lines (ft)

☐ **G. BOAT LAUNCH** (See EZ Guide) (check all that apply) ☐ new ☐ existing ☐ public ☐ private ☐ commercial ☐ replacement

Proposed overall boat launch dimensions (ft) length width depth

Type of material ☐ concrete ☐ wood ☐ stone ☐ other

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Existing overall boat launch dimensions (ft) length width depth

Boat launch dimensions (ft) below ordinary high water mark length width depth

13 FLOODPLAIN ACTIVITIES (See Sample Drawing 5. Others may apply.) For more information go to www.michigan.gov/deqfloodplainmanagement

- Complete Sections 10 A and 10 B and other Sections, as applicable.
- A hydraulic analysis or hydrologic analysis may be required to fully assess floodplain impacts. ➡ Attach hydraulic calculations.

➡ Attach additional sheets or tables with the requested information when multiple floodplain activities are included in this application.

(check all that apply) ☒ fill ☐ excavation ☒ other *temporary artwork installations in spring to be removed in fall*

Site is feet above ☐ ordinary high water mark (OHWM) OR ☐ observed water level. Date of observation (M/D/Y) / /

Fill volume below the 100-year floodplain elevation (cu yd) *3 sites @ 5cy = 15cy total for the project*	Compensating cut volume below the 100-year floodplain elevation (cu yd) *0*

14 BRIDGES AND CULVERTS (Including Foot and Cart Bridges) (See Sample Drawings 5, 14A, 14B, 14C, 14D, and EZ Guides)

- Provide detailed site-specific drawings of existing and proposed Plan and Elevation View, (Sample Drawing 14A), Elevation View (Sample Drawing 14B), Stream and Floodplain Cross-Section (Sample Drawing 14C), Stream Profile (Sample Drawing 14D) and Floodplain Fill (Sample Drawing 5) at a scale adequate for detailed review.
- Provide the requested information that applies to your project. If there is not an existing structure, leave the "Existing" column blank.
- If you choose to have a Licensed Professional Engineer "certify" that your project will not cause a "harmful interference" for a range of flood discharges up to and including the 100-year flood discharge, then you must use the "Required Certification Language." You may request a copy by phone, email, or mail. A hydraulic report supporting this certification may also be required. Is Certification Language attached? ☐ No ☐ Yes

➡ Attach additional sheets and table with the requested information for multiple crossings. Include hydraulic calculations.

		Existing	Proposed			Existing	Proposed
Culvert type (box, circular, arch) and material (corrugated metal, timber, concrete, etc.)				Bridge span (length perpendicular to stream) OR culvert ☐ width ☐ diameter (ft)			
Bridge type (concrete box beam, timber, concrete I-beam, etc.)				Bridge width (parallel to stream) OR culvert length (ft)			
Entrance design (projecting, mitered, wingwalls, etc.)				Bridge rise (from bottom of beam to streambed) OR Culvert rise (fill from top of culvert to streambed) (ft)			
Total structure waterway opening above streambed (sq ft)				Approach slope fill from existing grade to culvert or bridge			
☐ elevation of culvert crown ☐ bottom of bridge beam (ft)	Upstream			Higher elevation of ☐ culvert invert OR ☐ streambed within culvert (ft)	Upstream		
	Downstream				Downstream		
Elevation of road grade at structure (ft)				Distance from low point of road to mid-point of bridge crossing (ft)			
Elevation of low point in road (ft)							

Cross-sectional area of primary channel (sq ft) (See Sample Drawing 14C)	Average stream width at OHWM outside the influence of the structure (ft)	Upstream Downstream

Reference datum used (show on plans with description) ☐ NGVD 29 ☐ NAVD 88 ☐ IGLD 85 (Great Lakes coastal areas) ☐ other

High water elevation – describe reference point and highest known water level above or below reference point and date of observation.

15 STREAM, RIVER, OR DRAIN CONSTRUCTION ACTIVITIES (No sample drawing available)

- Complete Section 10A for fill, Section 10B for dredge or excavation, and Section10C for riprap activities.
- If side casting or other proposed activities will impact wetlands or floodplains, complete Sections 12 and 13, respectively.

➡ Provide an overall site plan showing existing lakes, streams, wetlands, and other water features; existing structures; and the location of all proposed structures and land change activities.

➡ Provide cross-section (elevation) drawings necessary to clearly show existing and proposed conditions. Be sure to indicate drawing scales.

➡ For activities on legally established county drains, provide original design and proposed dimensions and elevations.

(check all that apply) ☐ maintenance ☐ improvement ☐ relocation ☐ enclosure ☐ new drain ☐ wetlands ☐ other

Dimensions (ft) of existing stream/drain channel to be worked on. length width depth

Dimensions (ft) of new, relocated, or enclosed stream/drain channel. length width depth	Volume of dredge/ excavation (cu yds)
Existing channel average water depth in a normal year (ft)	Proposed side slopes (vertical / horizontal)

How will slopes and bottom be stabilized?

Will old/enclosed stream channel be backfilled to top of bank grade? ☐ No ☐ Yes	Length of channel to be abandoned (ft)	Volume of fill (cu yds)

If an enclosed structure is proposed, check type ☐ concrete ☐ corrugated metal ☐ plastic ☐ other
Dimensions of the structure: diameter length volume of fill

Will spoils be disposed of on site? ☐ No ☐ Yes ➡ Show location of spoils on site plan if spoils disposed of on an upland area.)

Water elevation Reference datum used ☐ NGVD 29 ☐ NAVD 88 ☐ IGLD 85 (Great Lakes coastal areas) ☐ other
➡ Show elevation on plans with description.

Art on the Huron River

Vessels:

A proposal by: William Dennisuk

I am proposing a series of artworks that will be located at various points along the Huron River, as well as in a few water-related sites on the University of Michigan campus. In this series I would like to explore the aesthetic potential of water; to show how water has creative dimensions that can enrich our lives and the environment.

At the same time I would like to raise subtle questions about our interaction with the watery world; how we contain it, divide it and structure it for our own proposes. I am interested in how we impose, or overlay, our man-made order on the natural order. In this case I am specifically interested in how the so-call "town and gown" structures divide, or cooperate, when it comes to the use of water. I am also wondering if in addition to traditional uses of water - for recreation, fishing and boating - there can also be a place for art in our waterways.

For me the image of the Vessel is clearly linked with our long history of connection with water; at times symbiotic and at times disjointed. I am proposing a vision where man and nature seem to be working in a partnership that aggrandizes both and diminishes neither, and stands in contrast to a world of extraction and exploitation.

The form of vessels is both ancient and contemporary and rich in symbolic and archetypal implication; perhaps one of our most fundamental archetypes, and thus one of our most self-referential. The form - suggestive of container and contained; transformer and transformed, implies a dual role, a dual potential, a reciprocal relationship.

The artworks in this series will be constructed in a grid-like mesh of welded bronze; each work will be approximately 6-7 feet in height x various diameters. The artworks will be supported by a metal substructure and weighted with a concrete base that will sit on the riverbed. This base will then be covered with natural stones to help the artwork fit more naturally into its site.

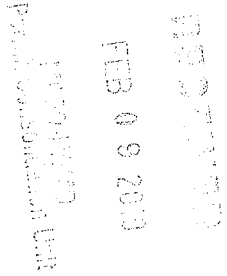
The proposed date for installation will be in late March-early April 2010

Location Information & Site of Installation Detail	
Site	**Address/Location**
Broadway Park	Broadway Street East of bridge on west bank of the Huron River, Ann Arbor, MI 48105
Arboretum Nature Area	Nichols Drive off of E. Medical Center Drive, Ann Arbor, MI 48103
Gallup Park	3000 Fuller Road, Ann Arbor, MI 48105

Attachment - Section 5
Maps/Directions to Project Sites

Art in the Huron - Adjacent Property Owners

Owner Name	Mailing Address	City	State	Zip
Broadway Park (09-09-20-401-010) - Adjacent Owners				
National RR Passenger Corp	400 NW Capitol Street	Washington	DC	20001
Mich Con Gas Company	P.O. Box 33017	Detroit	MI	48232
Gandy Dancer	P.O. Box 22845	Ann Arbor	MI	48104
Detroit Edison Company	P.O. Box 33017	Detroit	MI	48232
990 Broadway LLC	P.O. Box 537	Brookline	MA	02446
Arboretum Nature Area (09-09-28-101-006) - Adjacent Owners				
University of Michigan (T. Alexander)	1239 Kipke Drive, OSEH-CSSB	Ann Arbor	MI	48109-1010
Forest Hills Cemetery	415 Observatory	Ann Arbor	MI	48104
City of Ann Arbor - c/o Parks Advisory Commission	100 N. Fifth Avenue	Ann Arbor	MI	48107
Gallup Park (I-09-36-220-010) - Adjacent Owners				
Stephen & Judity Dobson	3350 Geddes Road	Ann Arbor	MI	48105
Stephen & Agnes Reading	161 Laurin Ct.	Ann Arbor	MI	48105
City of Ann Arbor - Huron Hills Golf	P.O. Box 8647	Ann Arbor	MI	48107



Attachment - Section 8
Adjacent Property Owners

Art in the Huron

Site of Installation Detail - Water Depth & Distance From Shore		
Site	Depth of Water (ft) @ Installation Location (observed 10/28/09)	Distance from shore (ft) @ Installation Location
Broadway Park	2-3'	13'
Arboretum Nature Area	3' 4"	13'
Gallup Park	3	30'

Temporary Fill Calculations				
Site	Avg. Length (ft)	Avg. Width (ft)	Avg. Height (ft)	Volume (cy) = LxWxH/27
Broadway Park	5	5	3	3
Arboretum Nature Area	5	5	3.5	3
Gallup Park	5	5	3	3
			Temporary Fill = 12 cy avg.	(est. 15cy max.)

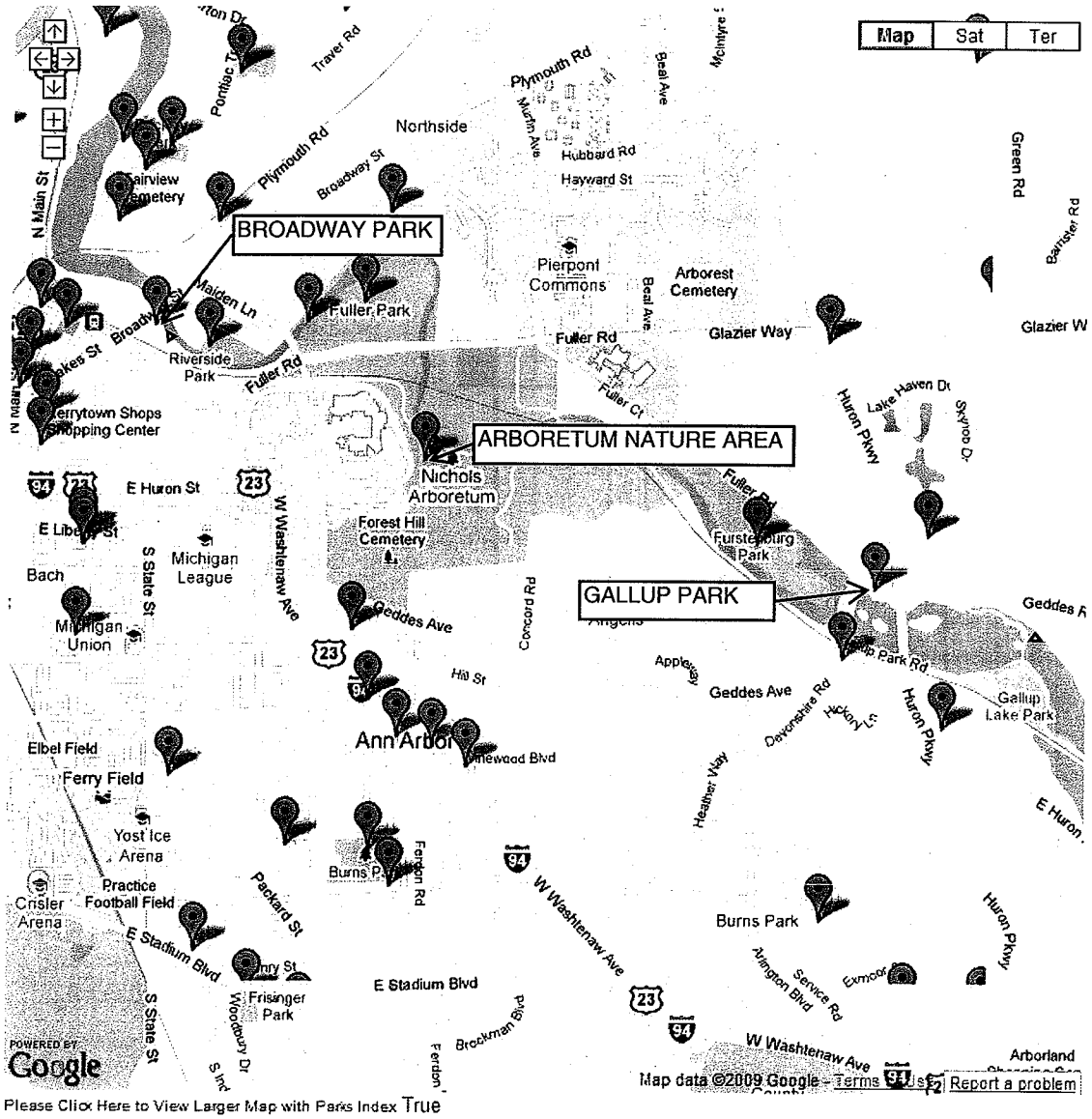
Attachment - Section 10A&13
Fill Dimensions

Ann Arbor Parks Map

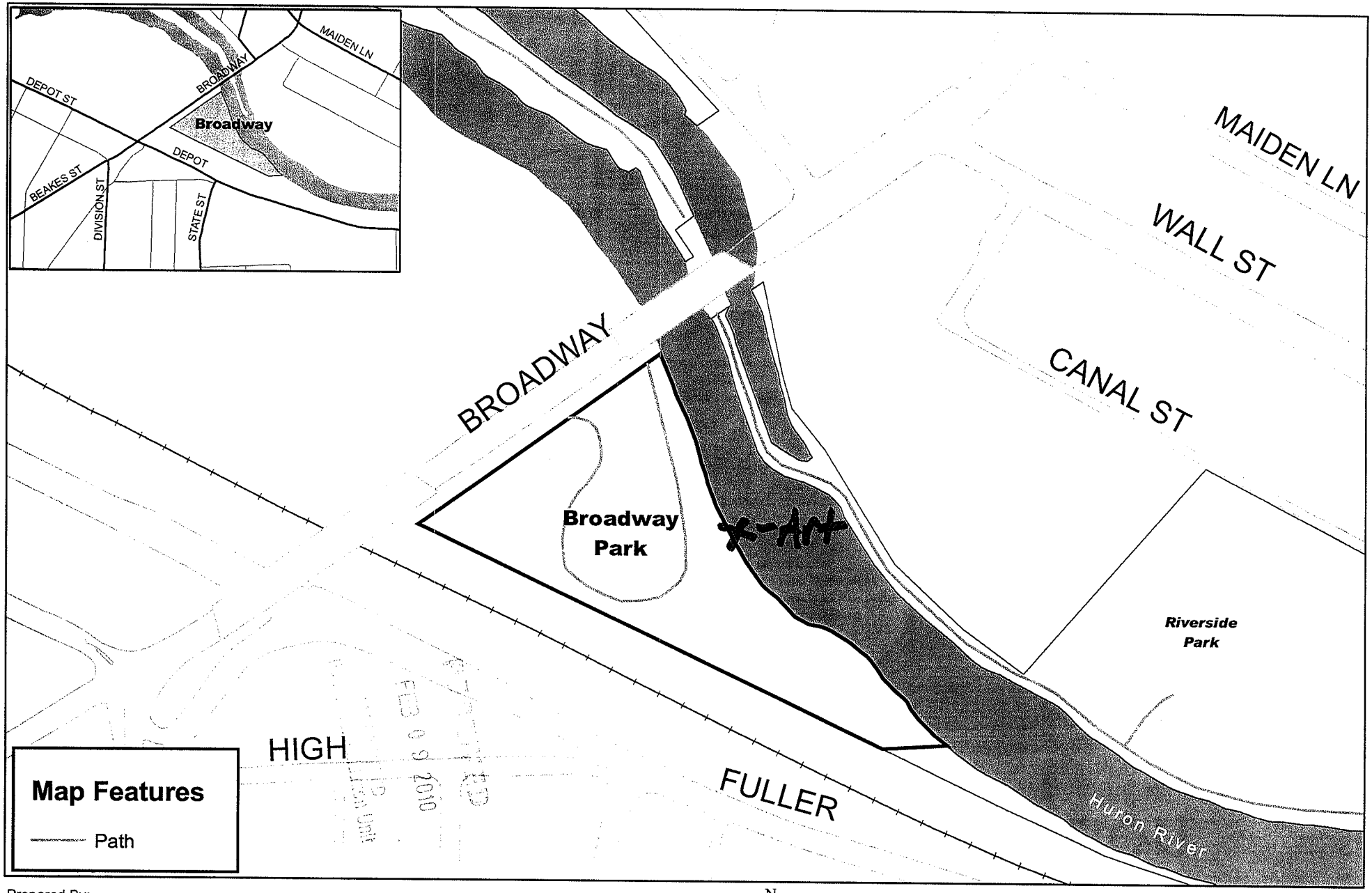
Locations for Temporary Artwork Installations:

1) Ann Arbor Park near Broadway St. Bridge
2) Nichols Arboretum
3) Gallup Park

Parks Map



Broadway Park



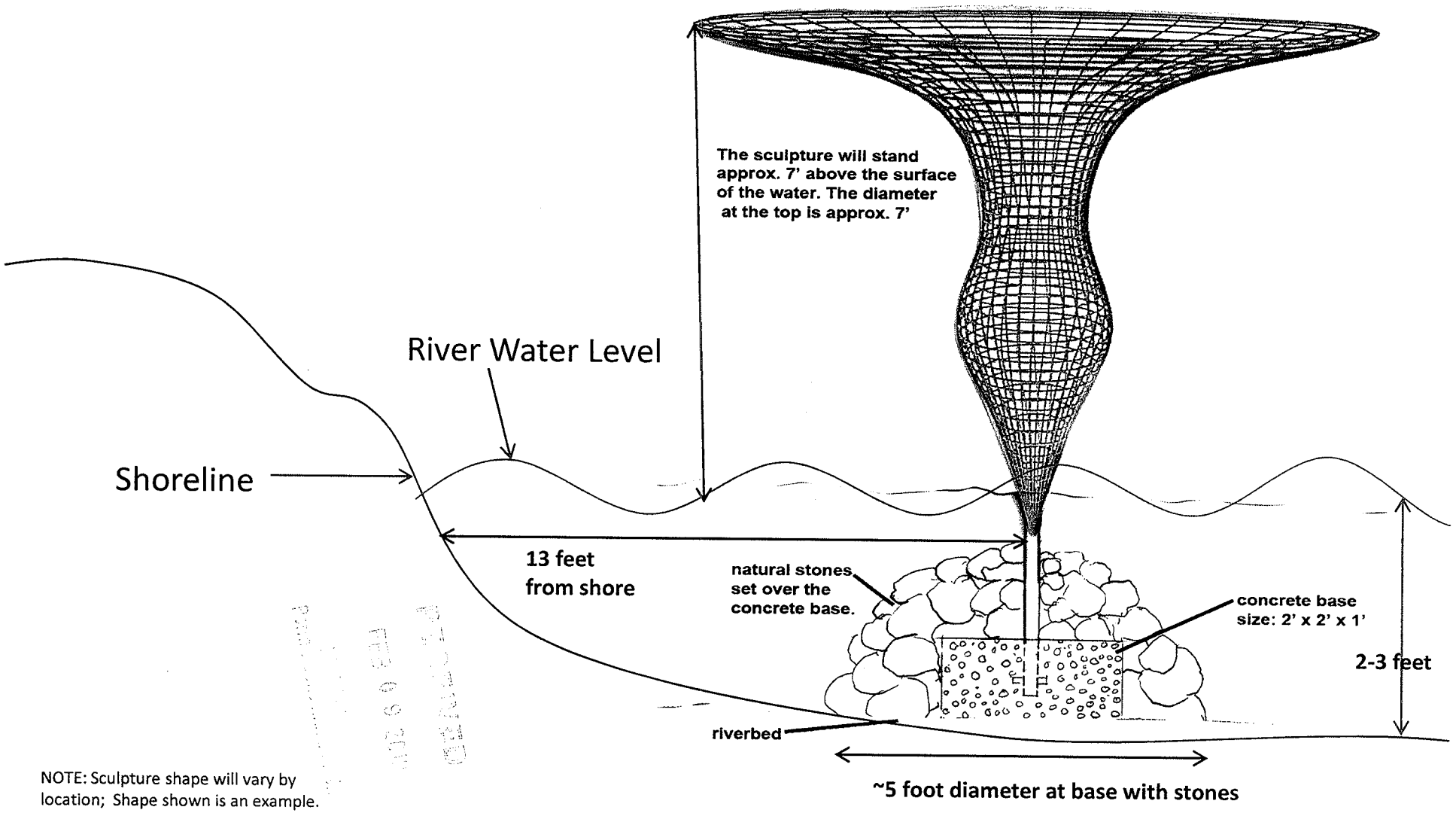
Prepared By:
City of Ann Arbor
Community Services GIS
October 25, 2005

1 inch equals 200 feet
0 50 100 200 300 400
Feet

N

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Broadway Park – Cross Section



NOTE: Sculpture shape will vary by location; Shape shown is an example.

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

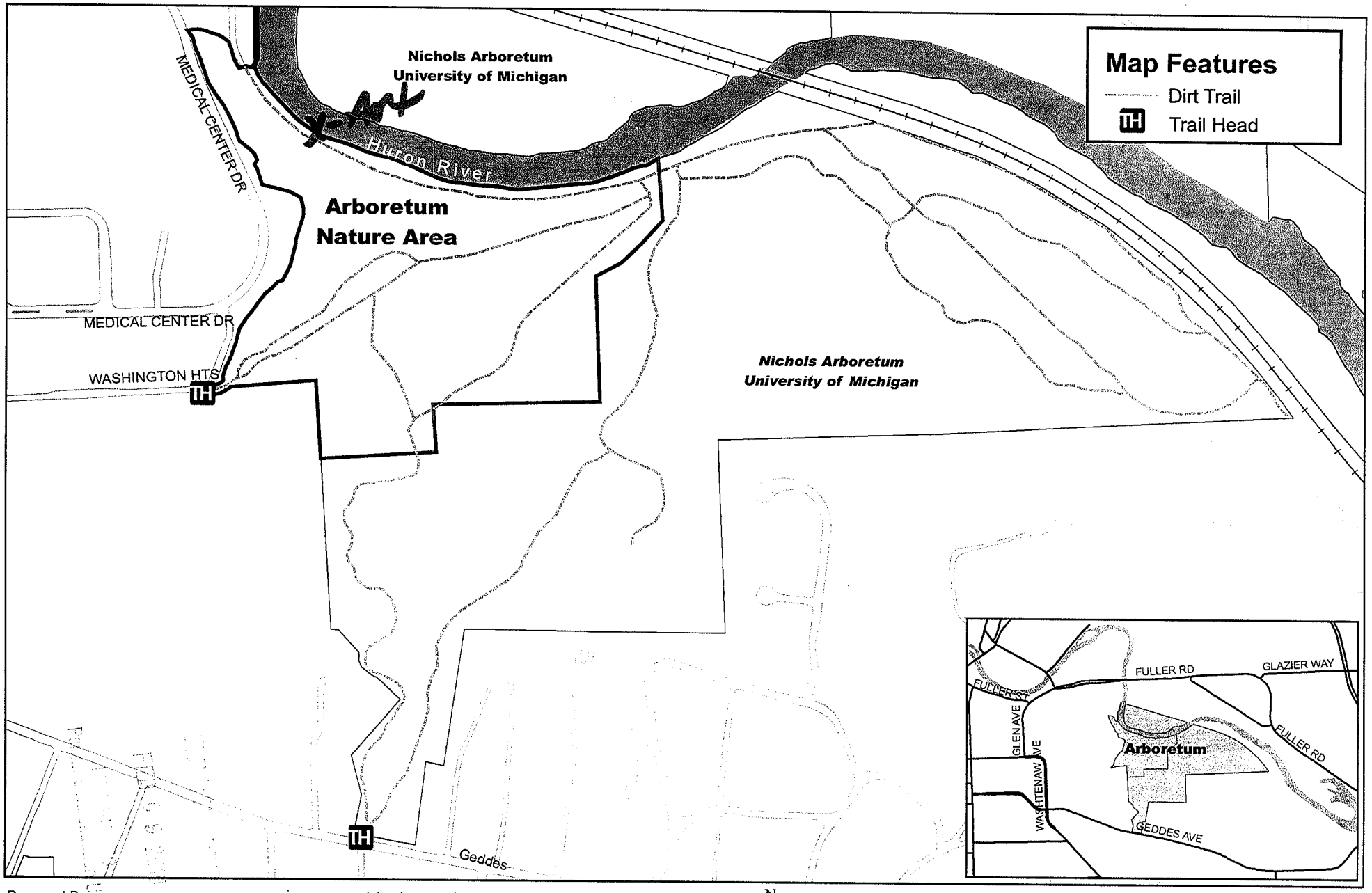
Photo 10/2009 - William Dennisuk

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Photo 10/2009 - William Dennisuk

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Arboretum Nature Area



Prepared By:
City of Ann Arbor
Community Services GIS
April 25, 2005

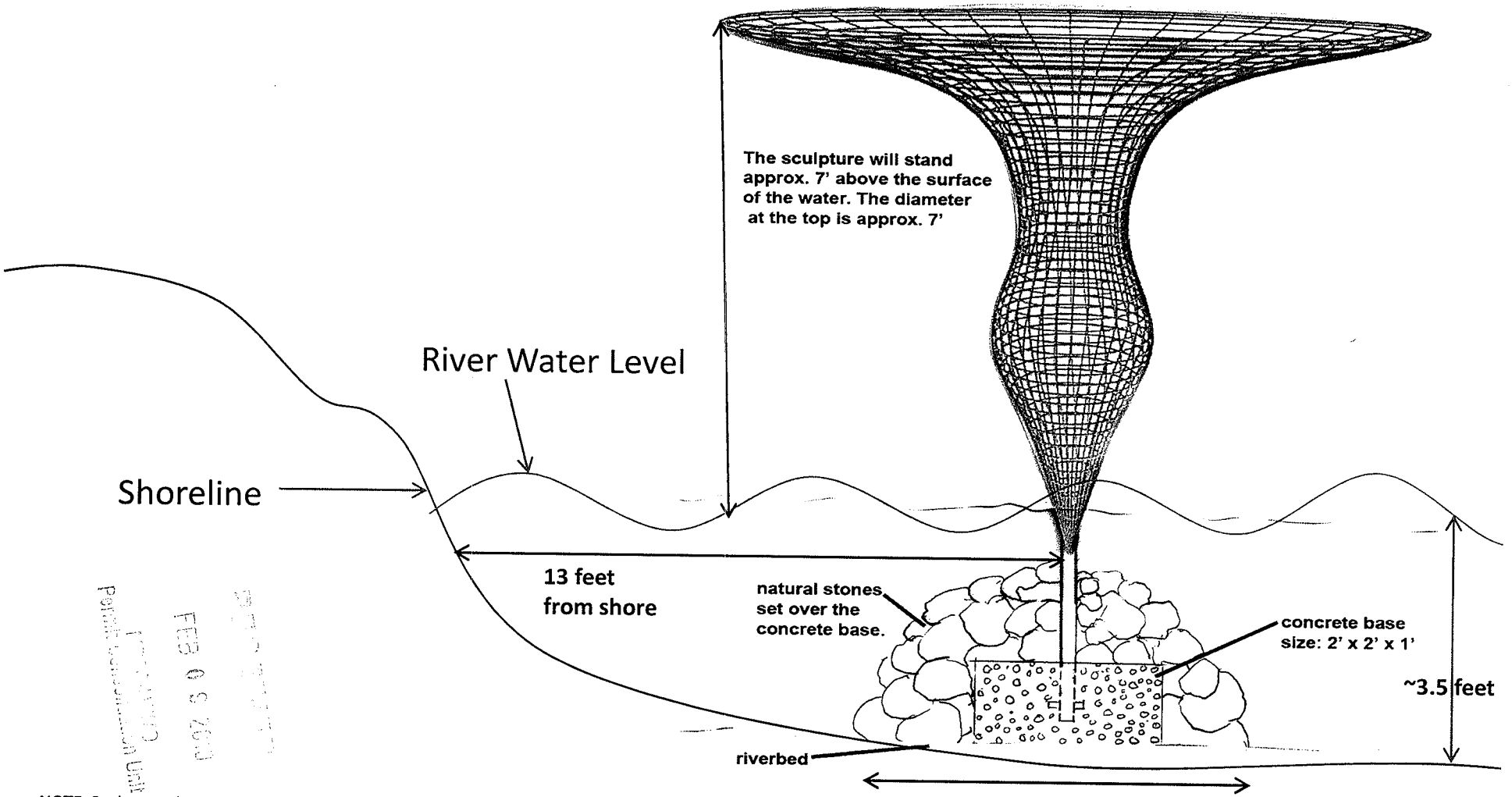
1 inch equals 500 feet

0 250 500 1,000 Feet

N

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

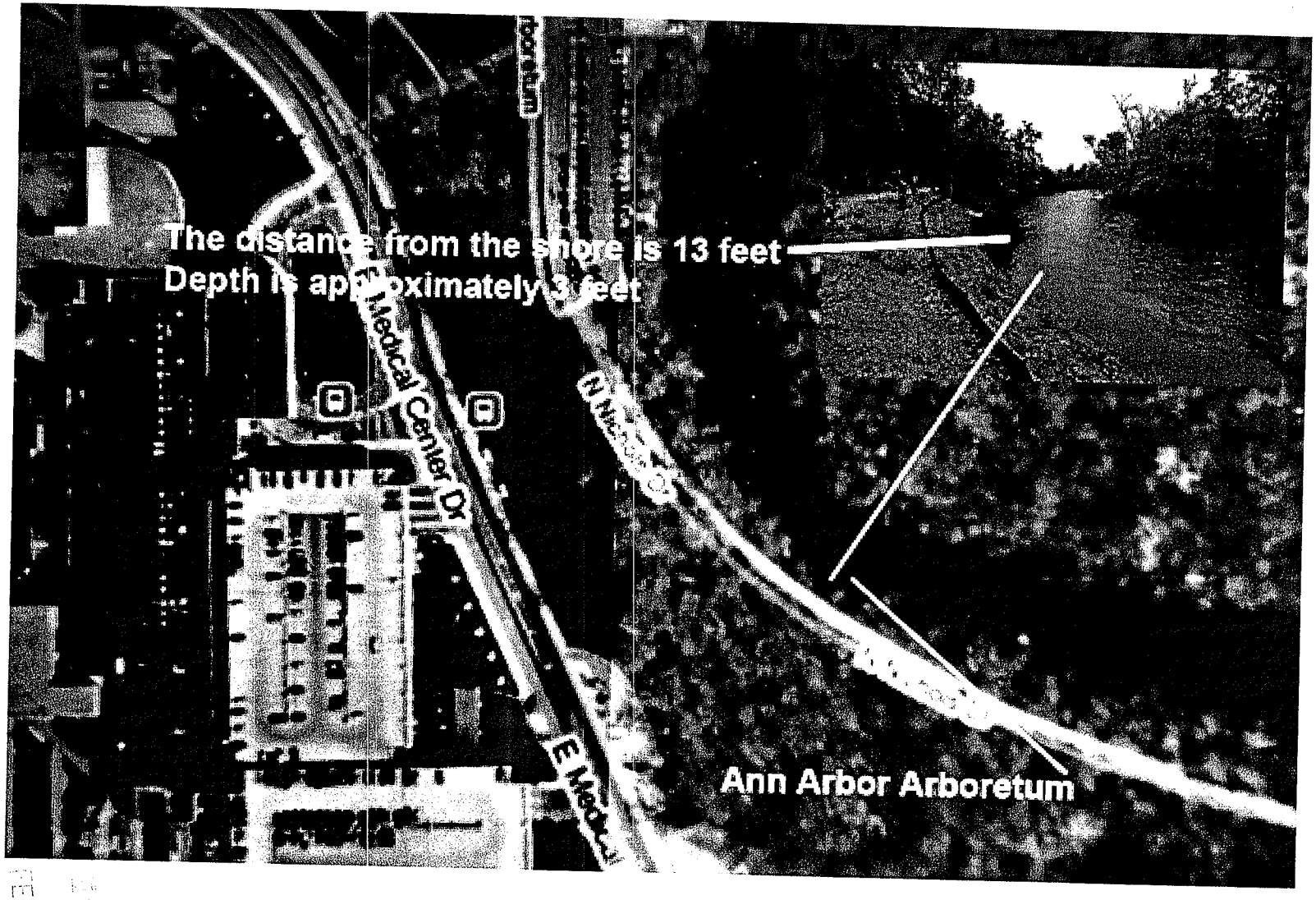
Arboretum– Cross Section



NOTE: Sculpture shape will vary by location; Shape shown is an example.

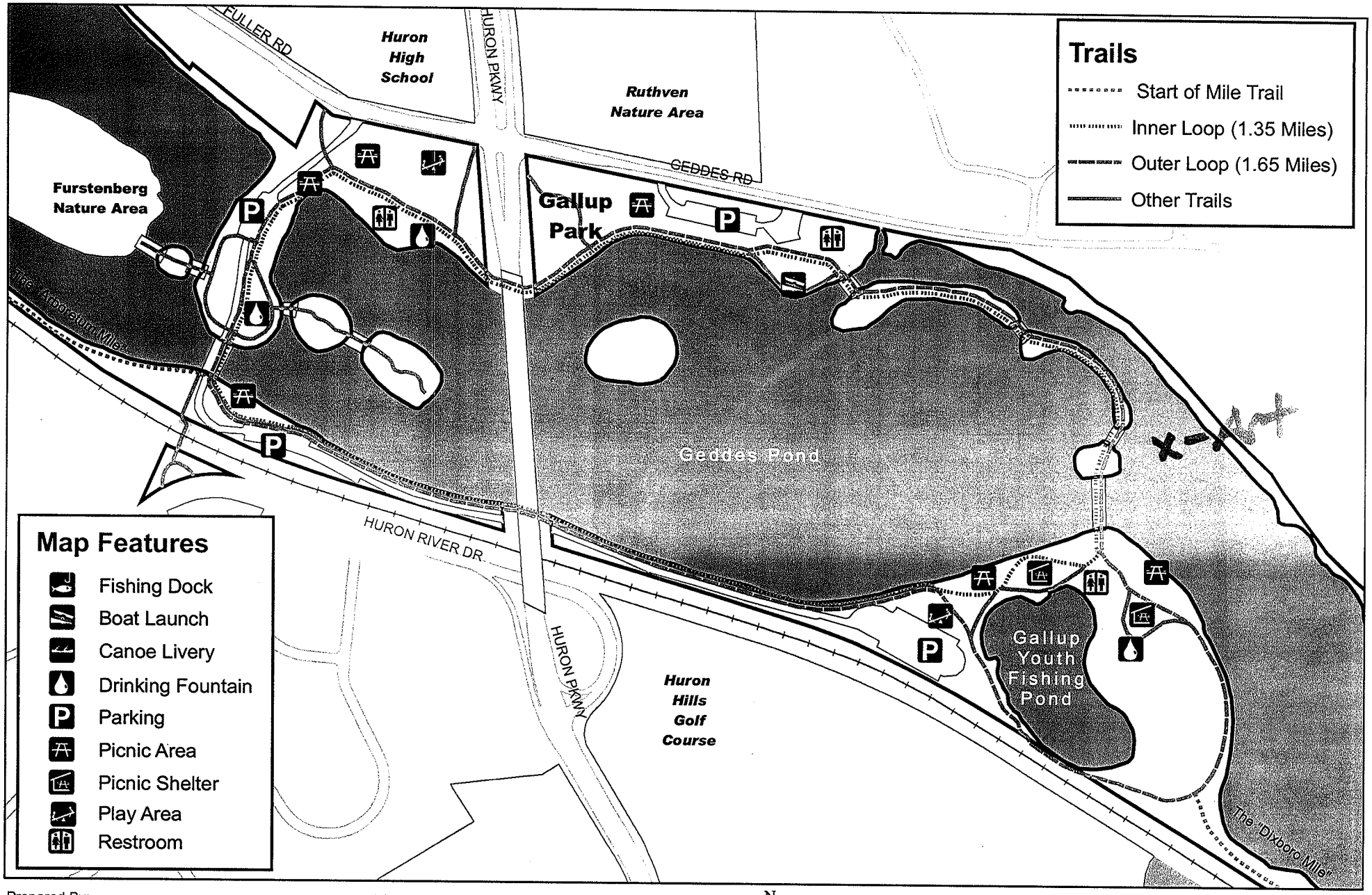
Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Photo 10/2009 - William Dennisuk



Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Gallup Park



Prepared By:
City of Ann Arbor
Community Services GIS
February 2, 2005

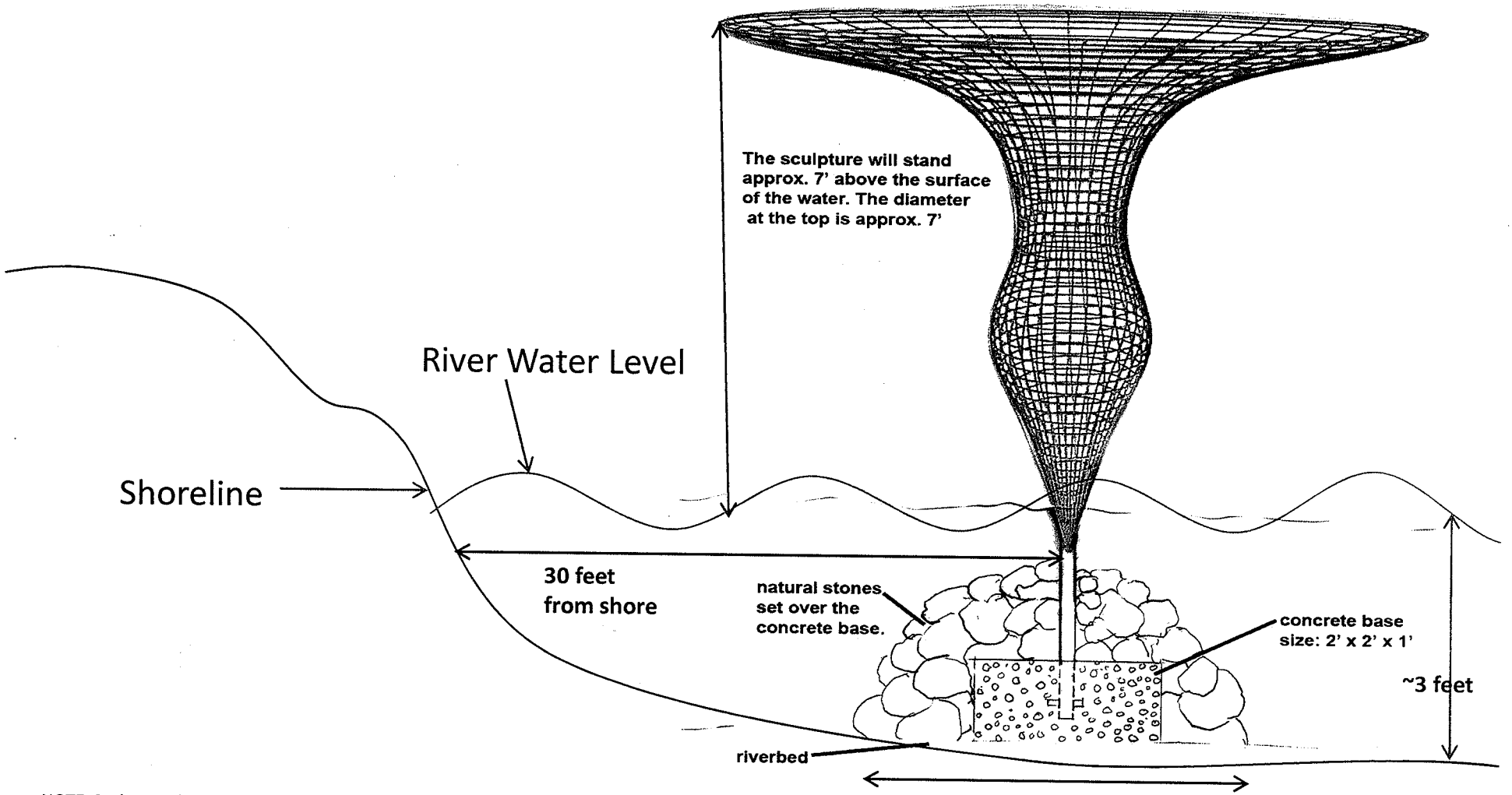
1 inch equals 400 feet

0 200 400 800 1,200 1,600 Feet

N

Attachment - Section 10A&13
Cross-Sections, Site Plan & Photos

Gallup Park – Cross Section



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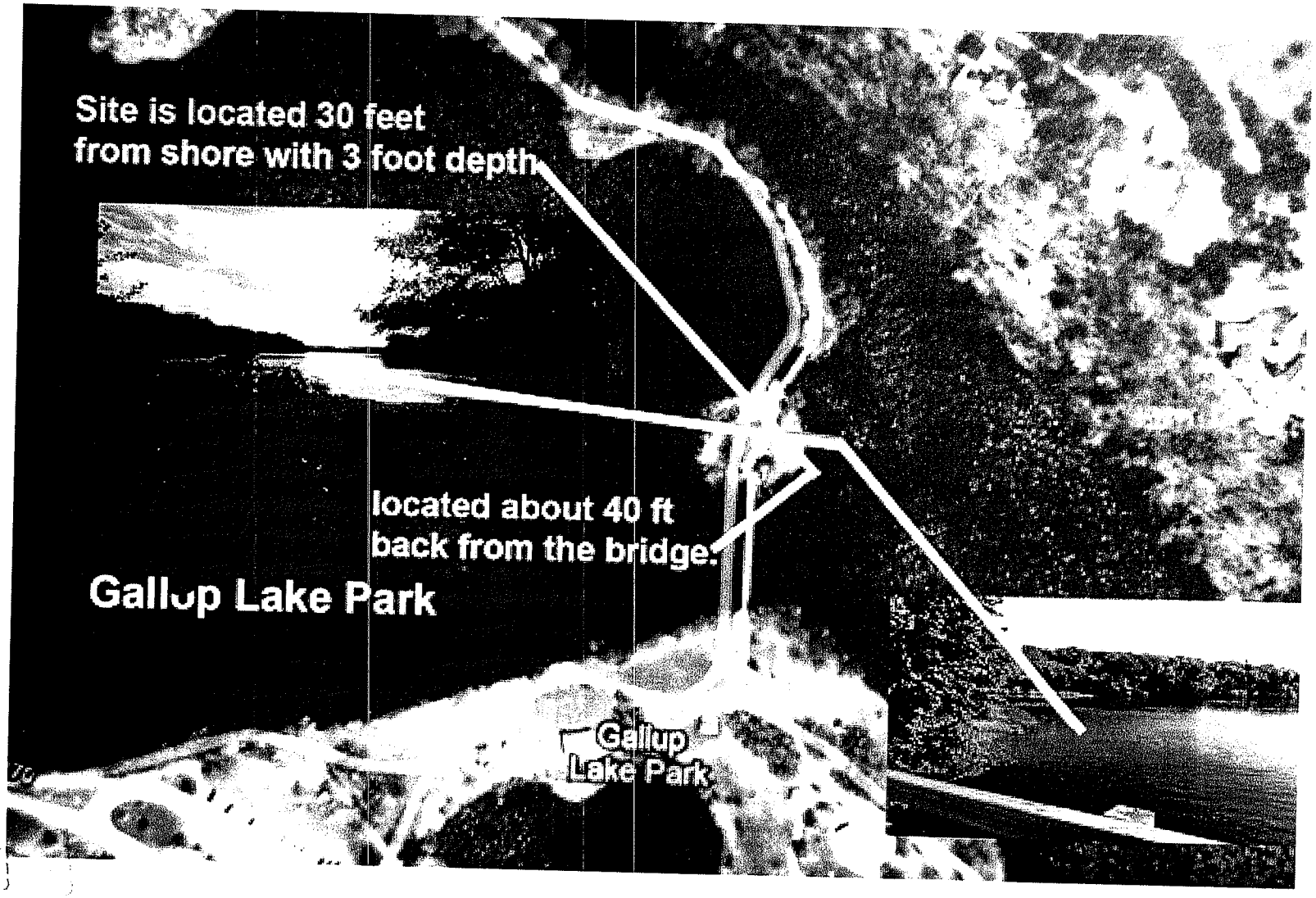
Cross-Sections, Site Plan & Photos

Photo 10/2009 - William Dennisuk



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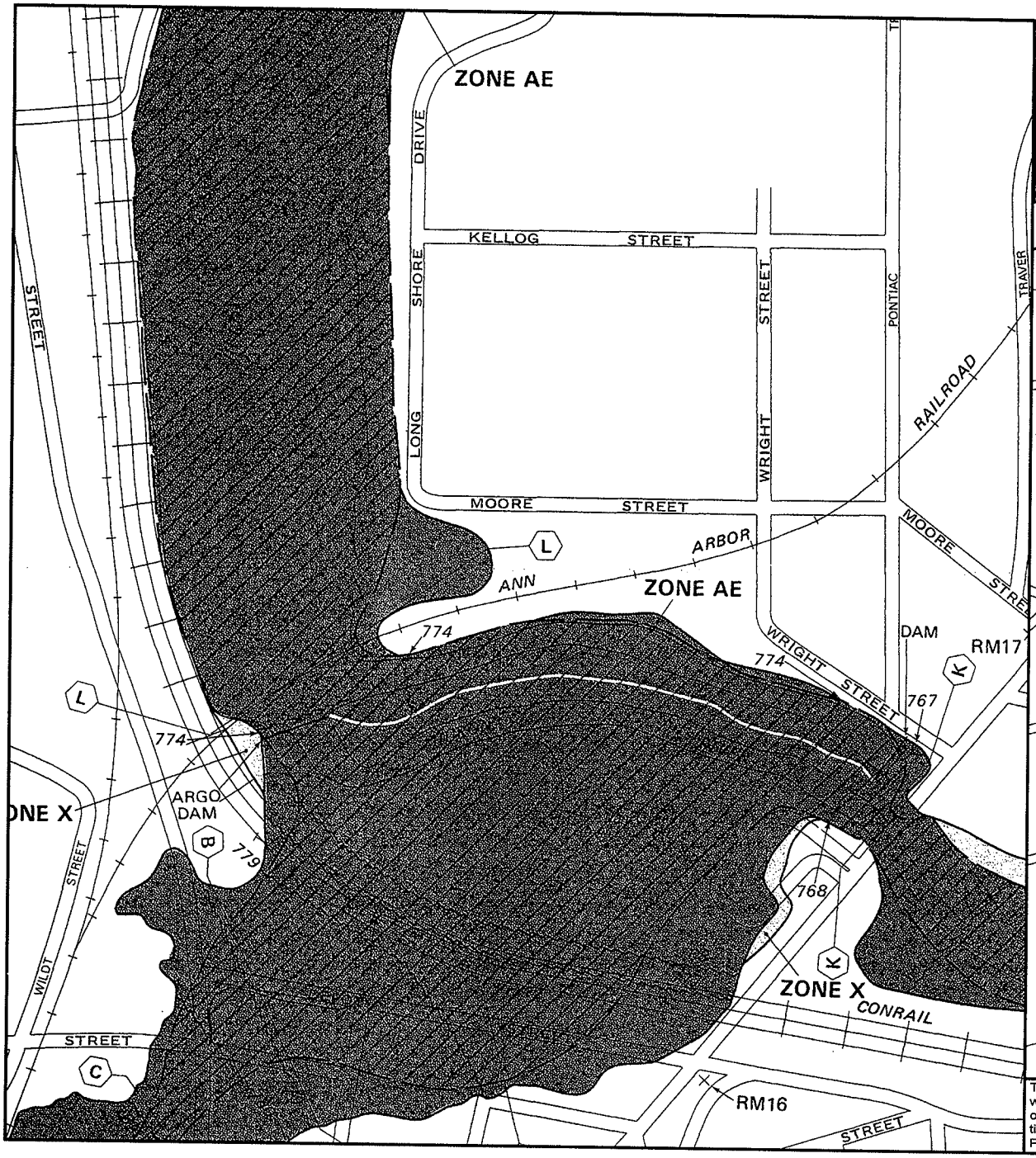

COMMUNITY–PANEL NUMBER:
260213 0005 D
MAP REVISED:
JANUARY 2, 1992

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100–YEAR FLOOD

- **ZONE A** No base flood elevations determined.
- **ZONE AE** Base flood elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
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- **ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** Areas of 500–year flood; areas of 100–year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100–year flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside 500–year flood plain.
- **ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

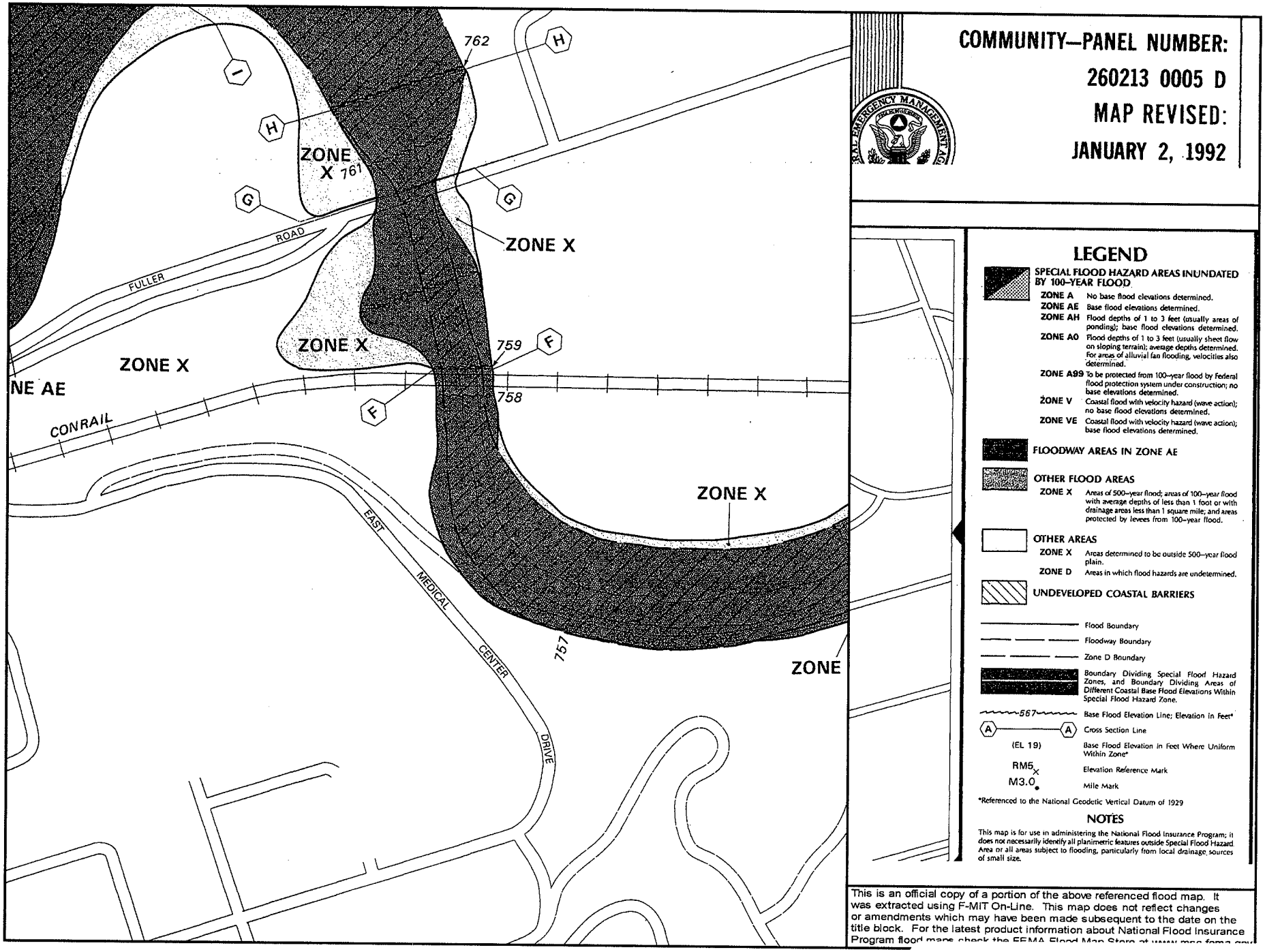
- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zone.
- 567 Base Flood Elevation Line; Elevation in Feet*
- A — A Cross Section Line
- (EL 19) Base Flood Elevation in Feet Where Uniform Within Zone*
- RM5× Elevation Reference Mark
- M3.0• Mile Mark

*Referenced to the National Geodetic Vertical Datum of 1929

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all planimetric features outside Special Flood Hazard Area or all areas subject to flooding, particularly from local drainage sources of small size.

Attachment - Section 13
FEMA Flood Maps



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260213 0005 D
MAP REVISED:
JANUARY 2, 1992

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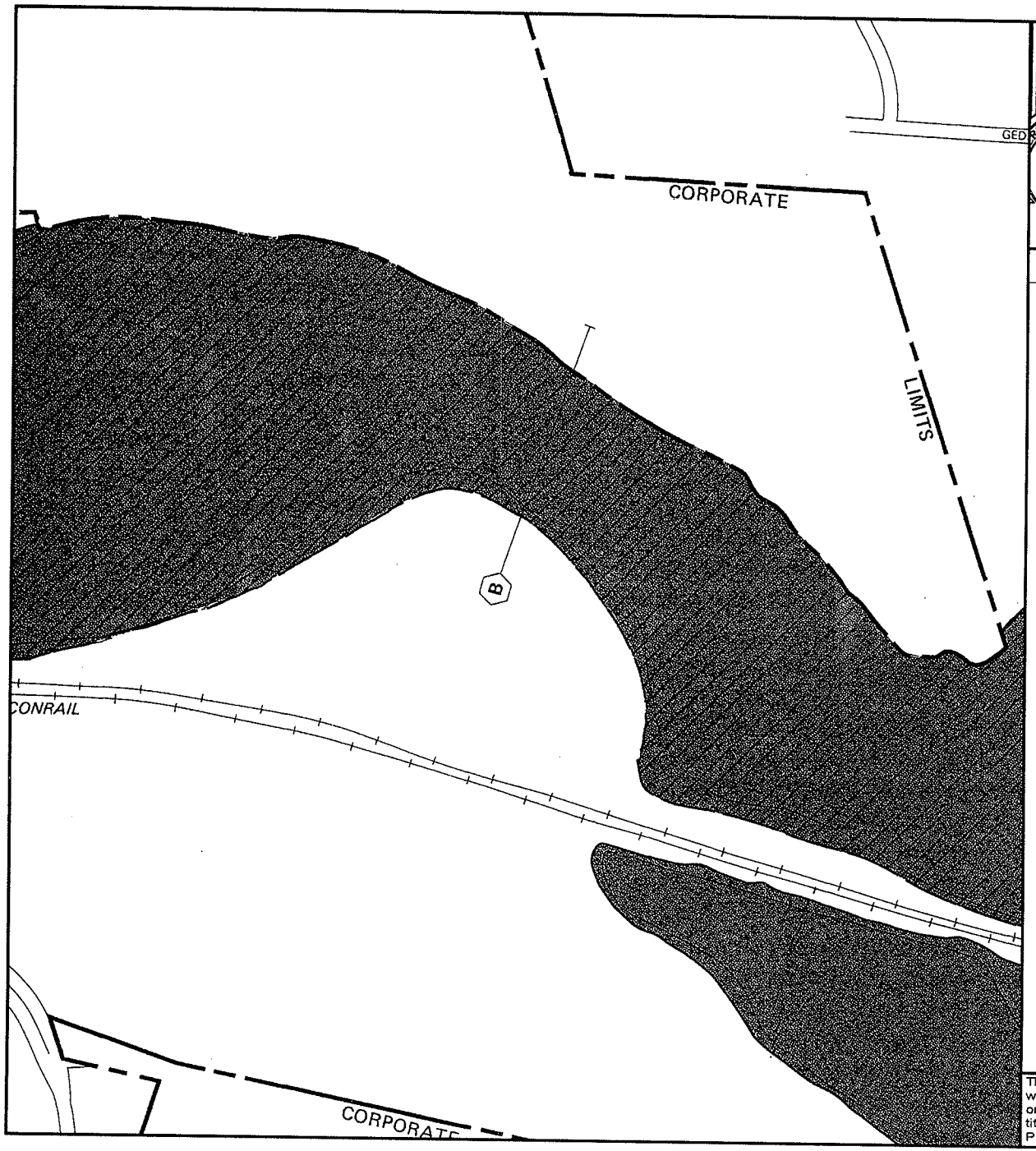

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MAP REVISED:
JANUARY 2, 1992

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