

**WETLANDS DELINEATION  
REPORT**

Presented to:

**Suburban West Realty**  
20800 Center Ridge Road  
Rocky River, Ohio 44116

**APPROXIMATELY 13 ACRES**  
**AURORA, PORTAGE COUNTY, OHIO.**  
*Project # 4000317-252*

Prepared by:



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29 March 2000

#### STATEMENT OF CERTIFICATION

*The analyses, opinions and conclusions in this report are based entirely on EnviroScience's unbiased, professional judgment. EnviroScience's compensation is not in any way contingent on any action or event resulting from this study. Neither EnviroScience nor any EnviroScience employee has any vested interest in the property examined in this study.*



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determine where potential jurisdictional wetlands may exist. A routine, onsite (Level 2) wetland determination was used to perform the delineation.

## 2.1 Determination

A field inspection of the site was completed to identify major plant communities and to locate any probable jurisdictional wetlands. Nonwetland communities were classified based on the *Anderson Land Use Classification System* (Amman and Heaslip 1980), modified from Anderson et al. (1976). Wetlands communities were classified according to Cowardin et al. (1979). Sample locations were established within each community and probable jurisdictional wetland. Vegetation, hydrology and soils were evaluated at each sample location. Complete data for each sample location was collected and recorded on U.S. Army Corps of Engineers' (USACE) Routine Wetland Determination Data Forms.

*Vegetation.* Dominant plant species were identified using local field guides. All species identified within a specific plant stratum are ranked in descending order of abundance. Dominant species are those which cumulatively totaled, immediately exceed 50%; including any individual species with an abundance of 20% or more. The following four strata were evaluated:

- 1) herbs (macrophytes <3.2 ft tall) by percent cover within a 10-ft radius;
- 2) shrubs/saplings (woody nonclimbing plants  $\geq 3.2$  ft tall having a diameter at breast height [dbh] of <3 in.) by stem count within a 20-ft radius;
- 3) vines (woody climbing plants  $\geq 3.2$  ft tall) by stem count of those rooted within a 20-ft radius;
- 4) and trees (woody nonclimbing plants  $\geq 3$  in. dbh) by basal area within a 30-ft radius.



## 2.2 Delineation

The *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) defines wetlands as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.” Jurisdictional wetlands have the following diagnostic environmental characteristics: hydrophytic vegetation, wetland hydrology and hydric soils. Wetlands boundaries were determined by the disappearance of any one of these characteristics.

Each sample location and the perimeter of each wetland was surveyed and marked in the field with pink and orange flags, respectively. The field survey equipment used was a Trimble Pro XR differential global positioning system (dGPS) which is accurate to within one meter. Downloading the data into Pathfinder Office and exporting the data into AutoCAD or ArcView software allowed wetlands dimensions to be determined and the site map to be produced.

## 3.0 RESOURCE INFORMATION

*USGS Topographic Map.* The site is located on the Aurora quadrangle of the USGS 7.5 minute series topographical map (Map 3; Appendix A). The elevation is approximately 1,090 ft and slopes to the west; however, the landscape has been significantly altered from that indicated on the map.

*NWI Map.* The Aurora quadrangle NWI map of the area is shown on Map 4 of Appendix A. The map depicts no wetlands on the site.

*County Soil Survey.* The site is found on sheet one of the Soil Survey of Portage County, Ohio (Ritchie et al. 1978). See Map 5 in Appendix A. Descriptions by Ritchie et al. (1990) for all



renders vegetative dominance unnecessary. The soil series mapped at the Sample Location is EIC; *Holly silt loam* (Ho) and *Mahoning silt loam, 2 to 6 percent slopes* (MgB) are also mapped within the community. However, due to the soil movement throughout the area, none of these soils were confirmed in the field. Low-chroma colors were observed at this location. Based on the absence of at least one wetlands parameter, the fields are defined nonwetland.

#### 4.2 Jurisdictional Wetland Communities

*Palustrine Emergent (PEM)*. Sample Location 2 (Photo 4; Appendix B) represents a remnant emergent wetland (Wetland 1) at the source of a small intermittent stream and contains a small nonwetland “island” (Photo 5; Appendix B). Dominant plants within the wetlands are *Ulmus americana* (American elm, FACW-), *Rosa palustris* (swamp rose, OBL) and *Phalaris arundinacea* (reed canary grass, FACW) which predominates all but the edges of the wetland. Dominant hydrophytic plant species comprise the entire plant community. The primary wetland hydrology indicator is saturation within the upper twelve inches. The soil series is mapped and confirmed to be Ho throughout the community, and gleyed soil colors were observed at the sample location. Based on the majority of dominant hydrophytes and the indicators of wetland hydrology and hydric soil, this remnant PEM area is considered to be a jurisdictional wetland.

Sample Location 3 (Photo 6; Appendix B) represents isolated emergent wetlands (Wetlands 2-5) (Photos 7-9; Appendix B) established within scattered depressions throughout the graded/filled fields. The dominant species of plants within this community are *Juncus effusus* (soft rush, FACW+) and *Phalaris arundinacea* (reed canary grass, FACW); however, *Typha* spp. also dominate Wetlands 3 and 5. Dominant hydrophytes again comprise the entire plant community. These areas are inundated with up to several inches of water. EIC and MgB soils are mapped within these areas but do not represent the disturbed soils presently existing. Hydric soil conditions were observed from the plot. Based on the dominance by hydrophytes and the indicators of wetland hydrology and hydric soil, these PEM areas are also considered jurisdictional wetlands.



- 2) No known state or federally endangered or threatened plant or animal species were observed on the site.
- 3) No unusual soils were sampled on the site.

These wetlands are under the jurisdiction of the USACE. No filling or disturbance may occur in these areas without their written permission. Please contact the Orwell Field Office, Buffalo District, USACE at 440-437-5840 before working in these areas.

## **6.0 ASSUMPTIONS AND DISCLAIMERS**

The constant influence of man on the study area can result in a rapid change of wetland boundaries. Over time, ecological succession and changes in hydrology also can affect the actual location of the wetland community boundaries. Precision of GPS collected data is subject to variation caused by canopy cover, atmospheric interference and satellite configuration. Because slight inaccuracies are possible, all acreage and wetland boundaries presented in this report are approximate.

The results and conclusions contained in this report apply to the year and date in which the data were collected. This report is not considered officially valid until it is approved by the USACE. The report is then valid for a period of five years from the date of issue. Refer to USACE Regulatory Guidance Letter # 94-1 (23 May 1994).



## **Appendix A:**

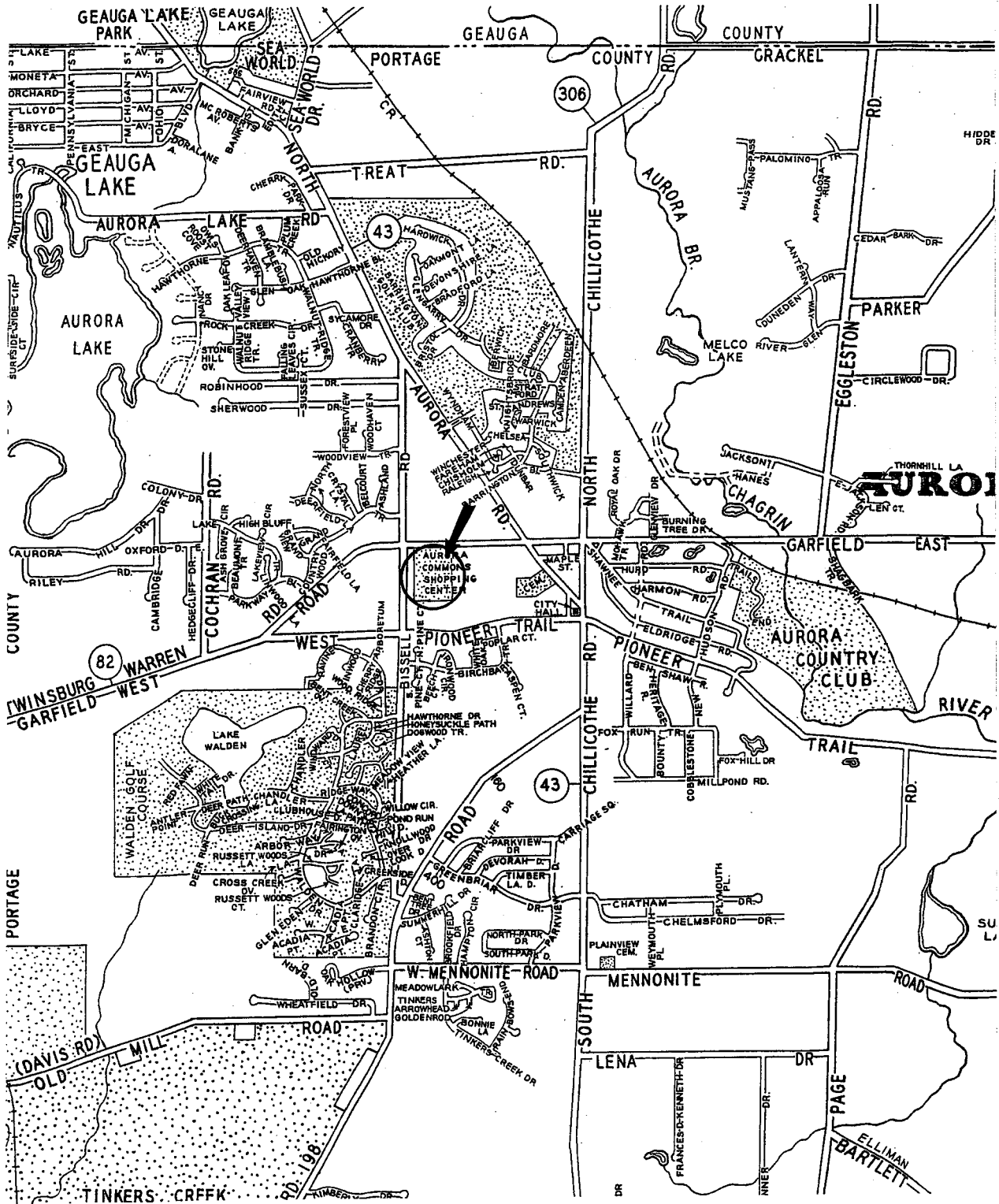
### **Maps**



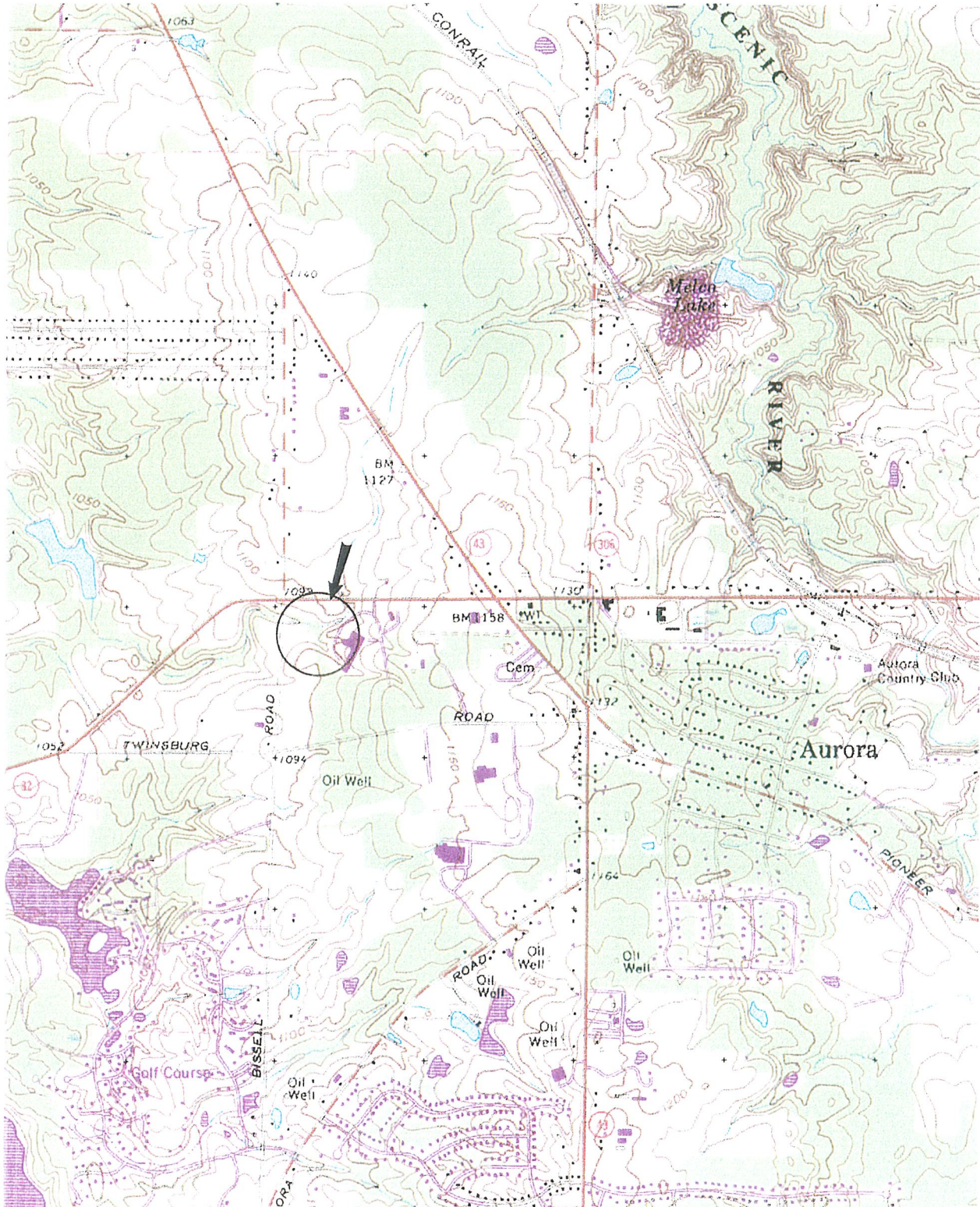
Map 1: Location of Portage County, Ohio.



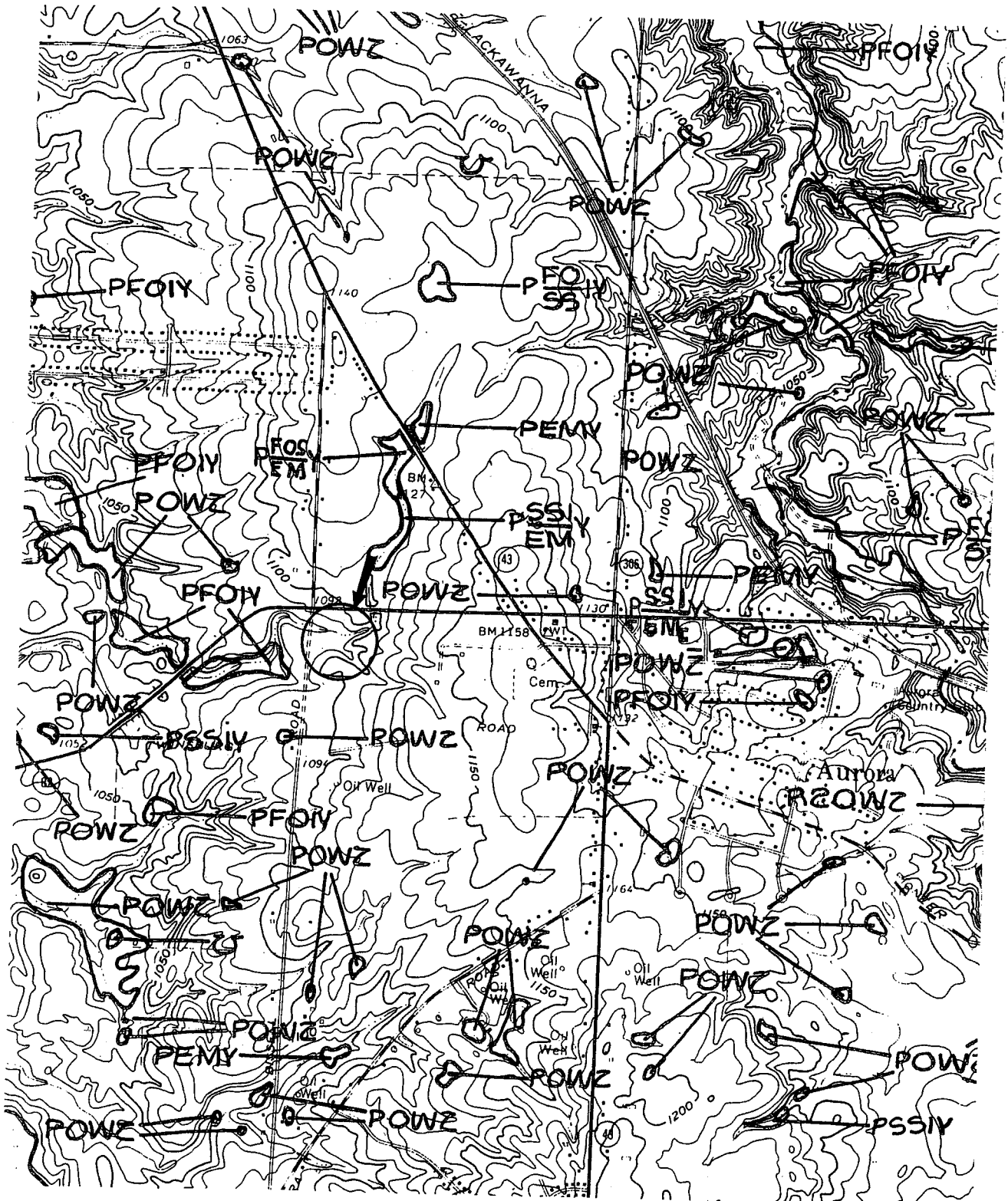
Map 2: Location of Site on Highway Map of Portage County, Ohio.



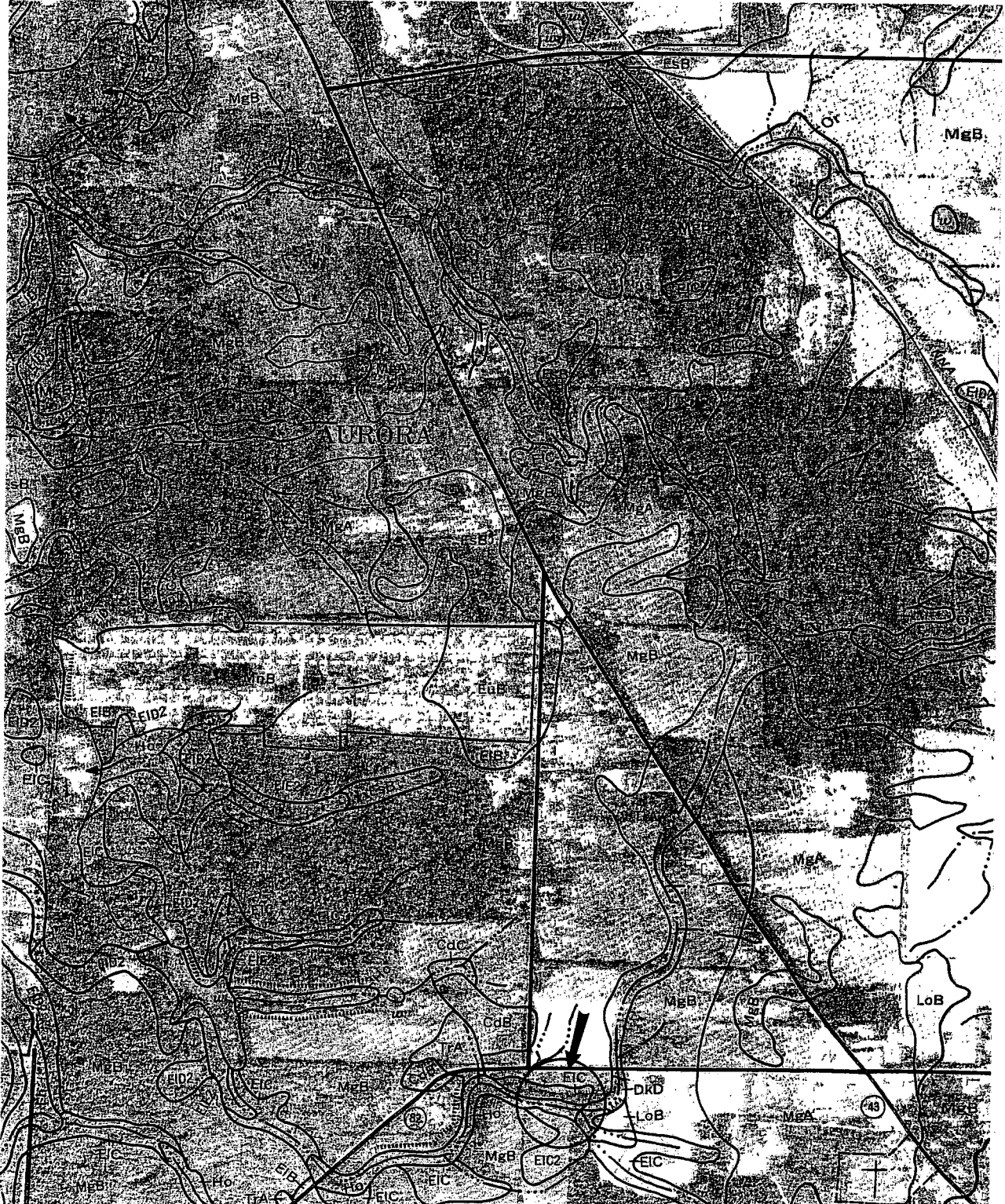
**Map 3: 7.5-minute USGS Topographical Map of Site**  
(Aurora Quadrangle) (Scale: 1 inch = 2000 feet).



Map 4: NWI Map of Site (Aurora Quadrangle) (Scale: 1 inch = 2000 feet).



Map 5: From *Soil Survey of Portage County, Ohio* (Scale: 1 inch = 1667 feet).



**Appendix B:**

Photographs



**Photo 1:** Looking southwest at recently constructed detention basin, from Photo Location 5.



**Photo 2:** Looking northeast at Sample Location 1.



**Photo 3:** Looking east at Sample Location 4.



**Photo 4:** Looking south at Sample Location 2, Wetland 1.





**Photo 5:** Looking east at intermittent stream and nonwetland “island”, from Photo Location 6.



**Photo 6:** Looking northwest at Sample Location 3, Wetland 2.



**Photo 7:** Looking west at Wetland 3 from Photo Location 7.



**Photo 8:** Looking south at Wetland 4 from Photo Location 8.



**Photo 9:** Looking southwest at Wetland 5 from Photo Location 9.



**Photo 10:** Looking southwest at an intermittent stream from Photo Location 6.

**Appendix C:**  
**Soil Survey Information**

## 1. Description of Soil Types Found on Site (Ritchie et al. 1978).

### **EIC—Ellsworth silt loam, 6 to 12 percent slopes.**

This is a sloping soil mainly on side slopes parallel to drainageways. Included in mapping are small areas of the somewhat poorly drained Mahoning soils, particularly where there are long slopes broken by less sloping areas.

Runoff is rapid, and the hazard of erosion is very severe if this soil is cultivated. Slow permeability, seasonal wetness, and slope are the major limitations to most nonfarm uses of this soil. Capability unit IVE-1; woodland suitability group 3o1.

**EIC2—Ellsworth silt loam, 6 to 12 percent slopes, moderately eroded.** This is a sloping soil adjacent to drainageways and on moraines. It has a profile similar to the one described as representative of the series except it is moderately eroded. The present surface layer is a mixture of original surface layer material and some of the more clayey yellowish brown upper part of the subsoil. In a few areas the plow layer is mainly sticky yellowish brown subsoil material. There are some shallow rills and gullies 6 to 12 inches deep. Shallow drainageways in this soil remain wet in spring after the adjoining soil has dried out.

The surface layer is sticky and difficult to till. It becomes cloddy if tilled when too wet. Runoff is rapid, and the hazard of erosion is very severe if this soil is cultivated. Slow permeability and slope are the major limitations to many nonfarm uses of this soil. Capability unit IVE-1; woodland suitability group 3o1.

**Ho—Holly silt loam.** This is a nearly level soil mostly on narrow flood plains and strips on large flood plains. Areas of this soil are generally less than 50 acres in size.

Included in mapping are small areas of the somewhat poorly drained Orrville soils and a few areas where the surface layer is dark gray and is as much as 6 inches thick.

Runoff is slow to ponded. Because this soil is in low areas along streams, it is subject to flooding. The hazard of wetness is severe if this soil is cultivated. The hazard of flooding is the major limitation to most nonfarm uses of this soil. Capability unit IIIw-1; woodland suitability group 2w2.

**MgB—Mahoning silt loam, 2 to 6 percent slopes.** This is a gently sloping soil in slightly convex upland areas. Many areas of this soil are broad and range to about 1,000 acres in size. They are long and irregular in shape. Slopes are generally less than 5 percent.

Included with this soil in mapping are a few small areas of Wadsworth soils that are adjacent to this soil; a few areas of moderately eroded soil; and small areas of better drained Ellsworth soils, particularly where slope is 4 to 6 percent. Also included are a few areas where bedrock is at a depth of 40 to 60 inches.

Runoff is medium to rapid. There is internal lateral movement of water on long slopes that tends to collect in low areas. These low areas are slow to dry out in spring. Seasonal wetness is a severe limitation to the use of this soil for cultivated crops. Erosion is a hazard, especially if this soil is used for row crops. Seasonal wetness and slow permeability are limitations for many nonfarm uses. Capability unit IIIw-4; woodland suitability group 2w3.

2. List of Hydric Soils Portage County, Ohio.

Map Unit Symbol	Map Unit Name
Ca	Canadice silt loam
Cg	Carlisle Muck
Da	Damascus loam
Fr	Frenchtown silt loam
Ho	Holly silt loam
Ld	Linwood Muck
Ln	Lorain silty clay loam
Od	Olmsted loam
Sb	Sebring silt loam
Sv	Sebring silt loam, dark surface variant
Tr	Trumbull silt loam, 0-2% slopes
Wc	Wallkill silt loam

3. Supplemental List of Non-Hydric Soil Map Units with Hydric Components  
Portage County, Ohio.

Map Unit Symbol	Map Unit Name	Where Hydric Component Occurs
CcA	Caneadea silt loam, 0 - 2% slopes	Drainageways and depressions
CcB	Caneadea silt loam, 2 - 6% slopes	Drainageways and depressions
DkD	Dekalb channery loam, 12 - 25% slopes	Springs on lower slopes
DkF	Dekalb channery loam, 25 - 70% slopes	Springs on lower slopes
FcA	Fitchville silt loam, 0 - 2% slopes	Depressions and swales
FcB	Fitchville silt loam, 2 - 6% slopes	Drainageways and depressions
FnA	Fitchville-Urban land complex, nearly level	Drainageways and depressions
JtA	Jimtown loam, 0 - 2% slopes	Low lying areas and depressions
MgA	Mahoning silt loam, 0 - 2% slopes	Drainageways and depressions
MnB	Mahoning-Urban land complex, undulating	Drainageways and depressions
Or	Orrville silt loam	Low areas & in stream meander channels
ReA	Ravenna silt loam, 0 - 2% slopes	Drainageways and depressions
RmA	Remsen silt loam, 0 - 2% slopes	Drainageways and depressions
RSc2	Rittman silt loam, 6 - 12% slopes	Drainageways
WaA	Wadsworth silt loam, 0 - 2% slopes	Drainageways and depressions
WaB	Wadsworth silt loam, 2 - 6% slopes	Drainageways

**Appendix D:**

Routine Wetland Determination Data Forms



**DATA FORM 1**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Aurora Commons</u> Applicant/Owner: <u>Suburban West Realty</u> Investigator: <u>R. Curtis, M. Carr</u>	Date: <u>22 March 2000</u> County: <u>Portage</u> State: <u>Ohio</u>
Do Normal Circumstances exist on the site?      Yes    No Is the site significantly disturbed (Atypical Situation)?    Yes    No Is the area a potential Problem Area?                      Yes    No (If needed, explain on reverse.)	Community ID: <u>scrub shrub</u> Transect ID: _____ Plot ID: <u>Sample Location 1</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Other Noted Plant Species	Stratum	Indicator
1 <i>Ulmus americana</i>	tree	FACW-	1		
2 <i>Malus coronaria</i>	shrub	NL	2		
3 <i>Viburnum recognitum</i>	shrub	FACW	3		
4 <i>unidentified grass</i>	herb	NL	4		
5			5		
6			6		
7			7		
8			8		
Percent of Dominant Plant Species that are OBL, FACW, or FAC (excluding FAC-)			100%		
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root channels in Upper 12 Inches <input type="checkbox"/> Water Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test (2:0) <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	
Remarks: No hydrology.	

**DATA FORM 1**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Aurora Commons</u> Applicant/Owner: <u>Suburban West Realty</u> Investigator: <u>R. Curtis, M. Carr</u>	Date: <u>22 March 2000</u> County: <u>Portage</u> State: <u>Ohio</u>
Do Normal Circumstances exist on the site?                    Yes   No Is the site significantly disturbed (Atypical Situation)?    Yes   No Is the area a potential Problem Area?                            Yes   No (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: <u>      </u> Plot ID: <u>Sample Location 2</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Other Noted Plant Species	Stratum	Indicator
1 <i>Ulmus Americana</i>	tree	FACW-	1		
2 <i>Rosa palustris</i>	shrub	OBL	2		
3 <i>Phalaris arundinacea</i>	herb	FACW	3		
4			4		
5			5		
6			6		
7			7		
8			8		
Percent of Dominant Plant Species that are OBL, FACW, or FAC (excluding FAC-)			100%		
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root channels in Upper 12 Inches <input type="checkbox"/> Water Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test (3:0) <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>      </u> - <u>      </u> (in.) Depth to Free Water in Pit: <u>   6   </u> (in.) Depth to Saturated Soil: <u>   3   </u> (in.)	
Remarks:	

**DATA FORM 1**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Aurora Commons</u> Applicant/Owner: <u>Suburban West Realty</u> Investigator: <u>R. Curtis, M. Carr</u>	Date: <u>22 March 2000</u> County: <u>Portage</u> State: <u>Ohio</u>
Do Normal Circumstances exist on the site?                    Yes   No Is the site significantly disturbed (Atypical Situation)?    Yes   No Is the area a potential Problem Area?                            Yes   No (If needed, explain on reverse.)	Community ID: <u>PEM</u> Transect ID: <u>      </u> Plot ID: <u>Sample Location 3</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Other Noted Plant Species	Stratum	Indicator
1 <i>Juncus effusus</i>	herb	FACW+	1 <i>Phragmites australis</i>	herb	FACW
2 <i>Phalaris arundinacea</i>	herb	FACW	2 <i>Scirpus cyperinus</i>	herb	FACW+
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
Percent of Dominant Plant Species that are OBL, FACW, or FAC (excluding FAC-)			100%		
Remarks:					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root channels in Upper 12 Inches <input checked="" type="checkbox"/> Water Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test (2:0) <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>  0-1  </u> (in.) Depth to Free Water in Pit: <u>    0    </u> (in.) Depth to Saturated Soil: <u>    0    </u> (in.)	
Remarks:	

**DATA FORM 1**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Aurora Commons</u> Applicant/Owner: <u>Suburban West Realty</u> Investigator: <u>R. Curtis, M. Carr</u>	Date: <u>22 March 2000</u> County: <u>Portage</u> State: <u>Ohio</u>
Do Normal Circumstances exist on the site?                      Yes    No Is the site significantly disturbed (Atypical Situation)?        Yes    No Is the area a potential Problem Area?                                Yes    No (If needed, explain on reverse.)	Community ID: <u>field</u> Transect ID: <u>      </u> Plot ID: <u>Sample Location 4</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Other Noted Plant Species	Stratum	Indicator
1 <i>Solidago sp.</i>	herb	NL	1 <i>Daucus carota</i>	herb	UPL
2 <i>Aster sp.</i>	herb	NL	2 <i>Dipsacus sylvestris</i>	herb	FACU-
3 <i>grass sp.</i>	herb	NL	3		
4			4		
5			5		
6			6		
7			7		
8			8		

Percent of Dominant Plant Species that are OBL, FACW, or FAC (excluding FAC-) %

Remarks:  
 \* We were unable to make positive identification of any of the three dominant species due to the season; however, this is an obvious nonwetland community.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root channels in Upper 12 Inches <input type="checkbox"/> Water Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test ( : ) <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____(in.) Depth to Free Water in Pit: _____(in.) Depth to Saturated Soil: _____(in.)	
Remarks: No hydrology.	

**Appendix E:**

**Data Summary Table**

**Sample Location Data Summary**

Sample Location	Community	Hydrophytic Vegetation (>50% Predominant)	Wetlands Hydrology		Hydric Soil		Jurisdictional Wetland
			Primary (≥1)	Secondary (≥2)	Matrix Chromas 1 or 2 with Mottles	Other	
1	scrub shrub	✓					
2	PEM	✓	✓	✓	✓	✓	✓ (Wetland 1)
3	PEM	✓	✓	✓	✓	✓	✓ (wetland 2)
4	field	-			✓		

## APPLICATION FOR OHIO EPA SECTION 401 WATER QUALITY CERTIFICATION

Effective October 1, 1996

Revised August, 1998

This application must be completed whenever a proposed activity requires an individual Clean Water Act Section 401 Water Quality Certification (Section 401 certification) from Ohio EPA. A Section 401 certification from the State is required to obtain a federal Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers, or any other federal permits or licenses for projects that will result in a discharge of dredged or fill material to any waters of the State. To determine whether you need to submit this application to Ohio EPA, contact the U.S. Army Corps of Engineers District Office with jurisdiction over your project, or other federal agencies reviewing your application for a federal permit to discharge dredged or fill material to waters of the State, or an Ohio EPA Section 401 Coordinator at (614) 644-2001.

The Ohio EPA Section 401 Water Quality Certification Program is authorized by Section 401 of the Clean Water Act (33 U.S.C. 1251) and the Ohio Revised Code Section 6111.03(P). Ohio Administrative Code (OAC) Chapter 3745-32 outlines the application process and criteria for decision by the Director of Ohio EPA. In order for Ohio EPA to issue a Section 401 certification, the project must comply with Ohio's Water Quality Standards (OAC 3745-1) and not potentially result in an adverse long-term or short-term impact on water quality. Included in the Water Quality Standards is the Antidegradation Rule (OAC Rule 3745-1-05), effective October 1, 1996, revised October, 1997 and May, 1998. The Rule includes additional application requirements and public participation procedures.

**Because there is a lowering of water quality associated with every project being reviewed for Section 401 certification, every Section 401 certification applicant must provide the information required in Part 10 (pages 3 and 4) of this application.** In addition, applications for projects that will result in discharges of dredged or fill material to wetlands must include a wetland delineation report approved by the Corps of Engineers, a wetland assessment with a proposed assignment of wetland category (ies), official documentation on evaluation of the wetland for threatened or endangered species, and appropriate avoidance, minimization, and mitigation as prescribed in OAC 3745-1-50 to 3745-1-54. Ohio EPA will evaluate the applicant's proposed wetland category assignment and make the final assignment.

Information provided with the application will be used to evaluate the project for certification and is a matter of public record. If the Director determines that the application lacks information necessary to determine whether the applicant has demonstrated the criteria set forth in OAC Rule 3745-32-05(A) and OAC Chapter 3745-1, Ohio EPA will inform the applicant in writing of the additional information that must be submitted. The application will not be accepted until the application is considered complete by the Section 401 Coordinator. An Ohio EPA Section 401 Coordinator will inform you in writing when your application is determined to be complete.

Please submit the following to "Section 401 Supervisor, Ohio EPA/DSW, P.O. Box 1049, Columbus, Ohio 43216-1049:

- Four (4) sets of the completed application form, including the location of the project (preferably on a USGS quadrangle) and 8-1/2 x 11" scaled plan drawings and sections.
- One (1) set of original scaled plan drawings and cross-sections (or good reproducible copies).

**(See Application Primer for detailed instructions)**

1. The federal permitting agency has determined this project: (check appropriate box and fill in blanks)

- a.  requires an individual 404 permit/401 certification- Public Notice # (if known) 2000-01733(0)
- b.  requires a Section 401 certification to be authorized by Nationwide Permit # \_\_\_\_\_
- c.  requires a modified 404 permit/401 certification for original Public Notice # \_\_\_\_\_
- d.  requires a federal permit under \_\_\_\_\_ jurisdiction identified by # \_\_\_\_\_
- e.  requires a modified federal permit under \_\_\_\_\_ jurisdiction identified by # \_\_\_\_\_

2. Application number (to be assigned by Ohio EPA):

3. Name and address of applicant:

Mark Weiss  
H & S Company, Ltd.  
20800 Center Ridge Road  
Rocky River, OH 44116

Telephone number during business hours:

( ) (Residence)  
(440)333-1956 (Office)

3a. Signature of Applicant:

*Mark Weiss*

Date: 7/10/2000

4. Name, address and title of authorized agent:

Robert Curtis (Wetlands Scientist)  
EnviroScience, Inc.  
3781 Darrow Road, Stow, OH 44224

Telephone number during business hours:

( ) (Residence)  
(330)688-0111 (Office)

4a. Statement of Authorization: I hereby designate and authorize the above-named agent to act in my behalf in the processing of this permit application, and to furnish, upon request, supplemental information in support of the application.

Signature of Applicant:

*Mark Weiss*

Date: 7/10/2001

5. Location on land where activity exists or is proposed. Indicate coordinates of a fixed reference point at the impact site (if known) and the coordinate system and datum used.

Address:

Southeast corner of the intersection of Bissell Road and Garfield West Road (SR 82)  
Street, Road, Route, and Coordinates, or other descriptive location

04110002	Portage	Aurora	Ohio	44202	
Watershed	County	Township	City	State	Zip Code

6. Is any portion of the activity for which authorization is sought complete? Yes No  
If answer is "yes," give reasons, month and year activity was completed. Indicate the existing work on the drawings.

7. List all approvals or certifications and denials received from other federal, interstate, state or local agencies for any structures, construction, discharge or other activities described in this application.

Issuing Agency	Type of Approval	Identification No.	Date of Application	Date of Approval	Date of Denial
N/A					

8. DESCRIPTION OF THE ACTIVITY (fill in information in the following four blocks - 8a, 8b, 8c & 9)

8a. Activity: Describe the Overall Activity:

0.616 acre of jurisdictional wetlands will be impacted (graded/filled) to provide level ground for the second phase of the Aurora Commons Shopping Center and for an enlarged stormwater retention basin.