

WETLAND DELINEATION REPORT

City Gate (lola Campus Redevelopment)

City of Rochester Monroe County, New York

Prepared For:

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INTRODUCTION

At the request of Bergman Associates, for A.J. Costello & Son Development, LLC, Environmental Resources, L.L.C., (ERS), undertook a study to delineate and describe the Waters of the United States that occur on a 50+/- acre parcel of land, the majority of which is developed, located southeast of the intersection of East Henrietta Road and Westfall Road, Town of Brighton, Monroe County, New York (see Appendix A-Figure 1). Waters of the United States, as defined by the United States Army Corps of Engineers (USACE), include all lakes, ponds, rivers, streams (intermittent and perennial), and non-isolated wetlands. Wetlands as referenced in this report are defined in Section 404 of the Clean Water Act as, "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support a prevalence of vegetation typically adapted for life in saturated soil conditions". describes the Waters of the United States delineated within the study area and the methodology used in making the boundary determinations. It provides the information necessary to identify all on-site Waters of the United States and can be used to support any subsequent permit applications that may be submitted to the USACE (Buffalo District) and New York State Department of Environmental Conservation (NYSDEC) (Region 8).

SITE DESCRIPTION

The majority of the project site consists of developments associated with the former Monroe County Iola Campus. The focus of this investigation is the largely undeveloped eastern third of the property known as City Gate, which consists of approximately 15 acres. The study area is bounded by the existing Iola Campus to the west, an office campus and undeveloped lands to the east, Westfall Road to the north, and the Erie Canal and Interstate 590 to the south.

The undeveloped portion of the project site appears to have been utilized as a storage area for maintenance equipment and construction materials. Although no buildings are currently present, evidence of past disturbance includes extensive fills resulting from parking areas, driveways, and disposal, construction and demolition of buildings, and storage of construction materials. As such, the vegetation communities currently characterizing this area are consistent with successional old-field and forest "pioneer" communities typical of disturbed sites. In addition, poor grading during these disturbance activities have altered hydrology and resulted in several pockets of standing water, which now exhibit wetland character.

RESOURCE INFORMATION

To determine the possibility of wetlands occurring within the study area, the following background information was collected and reviewed.

United States Geologic Survey (USGS 7.5 Minute) Topographic Map

The project site is located within the Pittsford, New York Quadrangle Map (Figure 1). This map shows approximately 35+/- feet of relief across the entire site, with an overall southeast aspect. With the exception of the Erie Canal along the south side of the site, no additional watercourses are mapped.

United States Fish and Wildlife Service National Wetlands Inventory (NWI) Map The NWI map does not indicate there to be any suspected wetlands within the study area. (Figure 2).

NYS Freshwater Wetland Map

As shown in Figure 3, no NYSDEC wetlands are suspected to be present on or adjacent to the site.

Monroe County Soil Survey

A review of the Monroe County Soil Survey (USDA, March 1973) indicates an intermittent drainage way across the south end of the site. Mapped soil types are described below and shown in Figure 4.

- ApA---Appleton loam, 0 to 3 percent slopes---this is a deep, medium-texture soil formed in calcareous glacial till. This somewhat poorly drained soil is in nearly level areas where runoff is slow or in slight depressions that receive runoff. The water table is at a depth of 6 to 12 inches if the area is undrained. In dry periods, it drops below 20 inches. The substratum is slowly permeable. This soil series is mapped in the northeast corner of the site.
- HIB—Hilton loam, 3 to 8 percent slopes, deep, moderately well drained medium and moderately coarse textured soils formed in calcareous glacial till. This soil occupies foot slopes on drumlins and side slopes of low ridges on till plains. These soils are mapped to dominate the north and central portions of the site.
- Ng Niagara silt loam, 0 to 2 percent slopes, deep, somewhat poorly drained soils having a medium-textured surface layer and a medium to moderately fine textured subsoil. This soil series occupies intermediate landscape positions between high knobs and low depressions in old glacial lakebeds. The Niagara series is mapped in the central and south end of the study area.
- SeB Schoharie silt loam, 2 to 6 percent slopes, deep, moderately well drained to well drained soils having a medium textured or moderately fine textured surface layer, and a fine to moderately fine textured subsoil. SeB soils occur on the sides of higher knolls in old glacial lakebeds. This soil series is mapped in the central portion of the study area.

The USDA Natural Resource Conservation Service (USDA SCS, 1989) has determined the Appleton and Niagara series to have the potential for hydric inclusions, and the Hilton and Schoharie series to be non-hydric.

WETLAND DELINEATION METHODOLGY

A wetland delineation including detailed data collection and boundary identification was performed on January 7, 2008 (in the absence of snow cover), by wetlands ecologist Gene Pellett and wildlife biologist John Hauber. During the field investigation, the boundaries of all wetlands within the study area were flagged using surveyor's ribbon or specifically noted on appropriate mapping. Data was collected from a thorough assessment of the property; particular attention was given to suspected hydric and potentially hydric soils.

Wetlands on site were delineated according to the methodology described in the 1987 Corps of Engineers Wetland Delineation Manual (hereafter referred to as the 1987 Manual) (Environmental Laboratory, 1987). Observations of vegetation, soils and hydrologic conditions were used to determine the boundaries of federally and state regulated wetlands. Data sheets were completed for the sample plots, including verifying upland points, and are presented in Appendix B. Representative photographs were taken of the wetland, as well as adjacent uplands, and are presented in Appendix C (the locations of the photographs are indicated in Appendix A, Figure 5).

Vegetation data collection focused on dominant plant species in four categories: trees (>3" DBH), sapling/shrubs (<3.2' tall), woody vines, and herbs (<3.2' tall). Dominance was measured by visually estimating those species having the largest relative basal area (trees), greatest density (saplings/shrubs), greatest number of stems (woody vines), and greatest percentage of aerial coverage (herbs) by species. The species were rank-ordered for each category by decreasing value of percent cover. The dominant species for each category are defined as those plants with the highest ranking which, when cumulatively totaled, exceed 50 percent of the total dominance measure for that category, plus any additional plant species comprising 20 percent or more of the total dominance measure for the category. The indicator status for each species was determined by reference to the National List of Plant Species that Occur in Wetlands: Northeast (Region 1) (Reed, 1988), or by reference to species habitat descriptions from various botanical sources for those species not on the national list. Scientific nomenclature for plant species follows that in A Checklist of New York State Plants (Mitchell, 1986). A sampling plot was determined to have wetland vegetation if 50 percent or more of all dominate plant species are of facultative (FAC), facultative wetland (FACW), or obligate (OBL) indicator status, as described in the 1987 Manual.

Soils information was collected using a Dutch soil auger. Information concerning soil series, subgroup, drainage classification, texture, and matrix and mottle color was obtained at each sample location. Soil color was determined using *Munsell Soil Color Charts* (Kollmorgen Corp., 1992).

Hydrologic characteristics (inundation and soil saturation) were visually assessed to a depth of sixteen inches. The 1987 Corps Manual lists the following indicators as evidence of wetland hydrology: (1) visual observation of inundation, (2) visual observation of soil saturation, (3) watermarks, (4) drift lines, (5) sediment deposits, (6) absence of leaf litter, (7) encrusted detritus, and (8) drainage patterns. Based on professional judgment, the following additional indicators were also used as evidence of wetland hydrology: (1) water-stained leaves, and (2) oxidized rhizospheres.

INSTRUMENT SURVEY

An instrument survey of the delineated wetland boundaries was completed by Bergman Associates on January 25, 2008, and is shown in Figure 5.

RESULTS AND DISCUSSION

Four small areas exhibiting wetland criteria as described in the 1987 Manual occur on the project site and total 0.30± acres. (Appendix A, Figure 5). A discussion of these wetlands, site uplands, and their characteristics follows.

Wetland A

Wetland A is a channelized intermittent stream corridor occurring in the southeast corner of the study area. (Photo 1). This 0.12 acre (495± linear feet) channel occurs in mapped Niagara soils, collecting surface water runoff from surrounding uplands and conveying them easterly into a broad off-site cattail (*Typha angustifolia-OBL*) marsh (Photo 2). The streambed is approximately 24-inches wide and occurs 8'-10' below the surrounding landscape of apparent fill. There is no vegetation within the streambed.

Wetland B

The majority of this wetland is found off-site beyond the study area's east property line. (Photo 3). On-site straddling the east property line, Wetland B is a 0.07-acre emergent marsh that occurs at the base of obvious on-site fill. Resulting from apparent excavation, Wetland B is dominated by cattail and common reed (*Phragmites australis-FACW*). Underlying soils have a matrix color of 10YR4/2 (dark grayish brown) with common high chroma mottles to a depth of 12-inches.

Indicators of wetland hydrology include surface inundation, saturated soils, watermarks, and water-stained leaves.

Adjacent Uplands

Adjacent uplands south of Wetland A are characterized as a successional "pioneer" community, established on past fills, consisting of mounded unconsolidated soils, asphalt, concrete, and rubble. Dominant vegetation includes eastern cottonwood (*Populus deltoids-FAC*) and box elder trees, honeysuckle (*Lonicera tatarica-FACU*) shrubs, summer grape (*Vitis aestivalis-FACU*) vines, and white avens (*Geum canadense-FACU*) on the ground plain. (Photo 4).

Adjacent uplands north of Wetland A and west of Wetland B consist of gravel parking lot (abandoned) fills with sporadic areas of opportunistic common reed and mugwort (*Altisima vulgaris-UPL*), typical of such disturbed sites. (Photo 5). These upland areas have no soil profile and lack indicators of wetland hydrology.

Wetland C

Wetland C is a 0.09-acre surface water depressional wetland that occurs in a hedgerow along the west boundary line of the project site. (Photo 6). It appears to have been created in a low area between developments to the west (Iola Campus) and the terminus of extensive fill on this study area, and exhibits no outflow. Hydrologic input is primarily piped stormwater, directed from those developments to the west, evidenced by surface inundation (20+ inches), saturated soils, watermarks, and water-stained leaves. Dominant vegetation is monotypic, common reed. Underlying hydric soils have a matrix color of 10YR4/2, with high chroma mottles to a depth of 8-inches.

Wetland D

Wetland D is a small (0.05-acre) isolated, surface water depressional wetland that has developed at the base of elevated fill as a result of poor grading during past earth moving activities. (Photo 7). Underlying soils consist of exposed subsoils having a matrix color of 10YR4/2 with high chroma mottles to a depth of 6-inches, beyond which is solid fill. Dominant vegetation is consistent with moist disturbed areas and is entirely common reed. This isolated wetland receives surface water runoff from surrounding elevated uplands and exhibits no evidence of outflow. Indicators of wetland hydrology include surface inundation (8-inches) and saturated soils.

Adjacent Uplands

Site uplands adjacent to Wetland C consist of 12'-18' of fill material, whose boundary to the wetland is abrupt. (Photo 8). Dominant vegetation consists entirely of upland grasses and forbs including garlic mustard (Alliara petiolata-FACU), mugwort, Queen Ann's lace (Daucus carota-FACU), teasel (Dipsicus sylvestris-FACU), and others.

The above-described uplands are also characteristic of those adjacent to Wetland D, although the depth of fill is not as great.

Other Site Uplands

Pockets of common reed are widespread across the study area, as this opportunistic species is taking full advantage of the disturbed nature of the project site and is not un-common to be found in upland areas. (Photo 9). Where found, the soil substrate is non-hydric and typically consists of three or four inches of topsoil or exposed cinder fills. Although substrate moisture is apparent, these areas do not exhibit indicators of wetland hydrology.

The site's final distinct upland community is a successional forest area at the north end, consisting box elder trees, honeysuckle shrubs, and white avens on the ground plain. (Photo 10). This community appears to have become established on historic fills, and exhibits no evidence of wetland hydrology.

WETLAND FUNCTIONS AND BENEFITS

Activities affecting wetlands have been regulated because these areas can provide various functions and benefits, including 1) natural products for human use, 2) habitat for fish and wildlife, 3) habitat for rare plant and animal species, 4) opportunities for recreation, education, and aesthetic appreciation, 5) flood protection, 6) water quality improvement, 7) shoreline erosion control, and 8) groundwater recharge and discharge. The functions and benefits provided by this property's wetlands are limited based on their isolated landscape position and colonization by low value vegetation (common reed). Benefits may include stormwater collection and wildlife habitat, primarily for breeding amphibians that may occupy the site. No threatened or endangered species (flora or fauna) were observed.

CONCLUSIONS

Based on our review of existing data and field conditions, it was determined that four wetland areas totaling 0.30+/- acres occur on the project site. These wetlands have developed in small pockets on a disturbed landscape. Upland portions of the study area exhibit evidence of historic fill material, and are sparsely vegetated with opportunistic species typical of disturbed sites.

It is our professional opinion that Wetlands A and B are interstate waterways regulated by Section 404 of the *Clean Water Act*. Further, Wetlands C and D exhibit no evidence of outflow or ecological continuum to navigable waters and are not so regulated. However, the USACE makes the final jurisdictional determination based on their site visit and review of historical maps and aerial photographs.

REGULATORY GUIDANCE

The discharge of fill material into jurisdictional wetland areas, as determined by USACE, resulting in the loss of <0.10 acres will likely qualify for Nationwide Permit 18 (NWP 18) requiring pre-construction notification to USACE, with no compensatory mitigation requirement. Wetland fills between 0.10 and 0.50 acres should qualify for NWP 39, requiring pre-construction notification to USACE, including plans for compensatory wetland mitigation.

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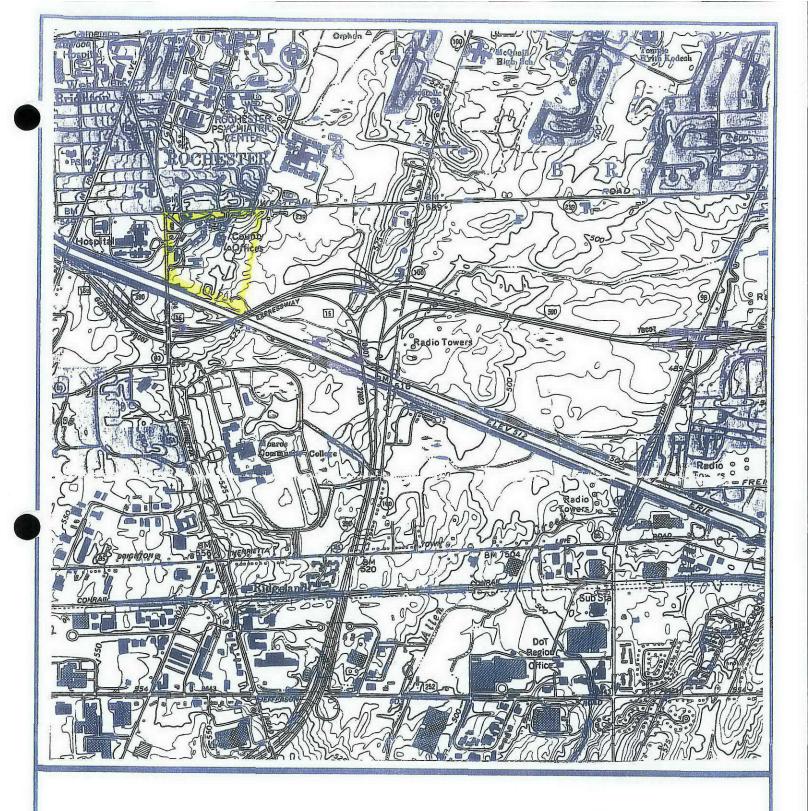
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USDA SCS. 1989. Hydric Soils of the State of New York. USDA Soil Conservation Service in Cooperation with National Technical Committee for Hydric Soils, Washington, DC.

APPENDIX A Figures

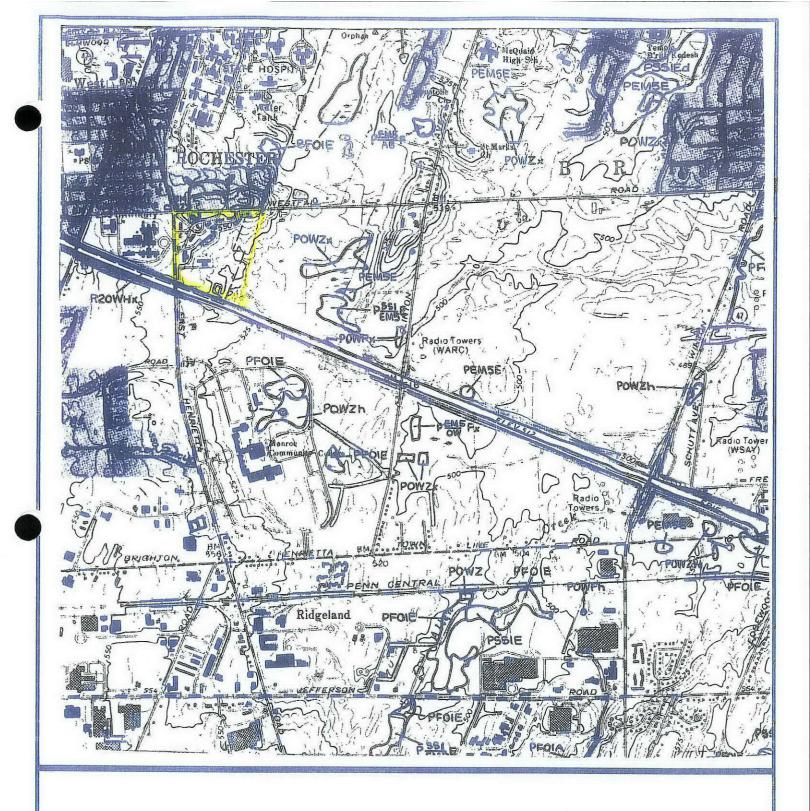


Base Map: USGS 7.5 Minute Topographic Map - Pittsford, NY (1978)

FIGURE 1. SITE LOCATION





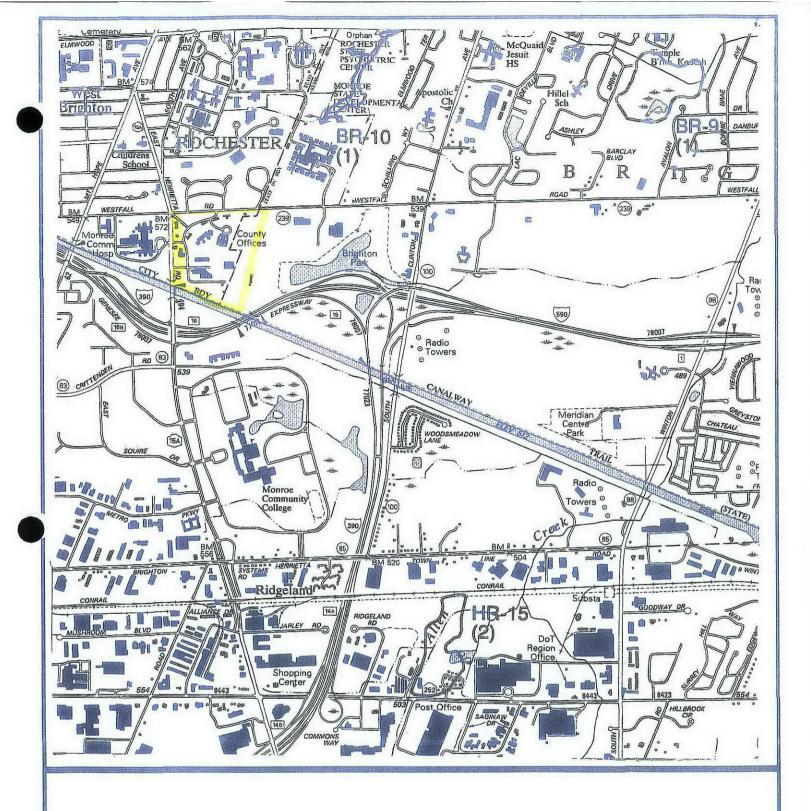


Base Map: National Wetlands Inventory Map - Pittsford, NY

FIGURE 2. FEDERAL WETLANDS





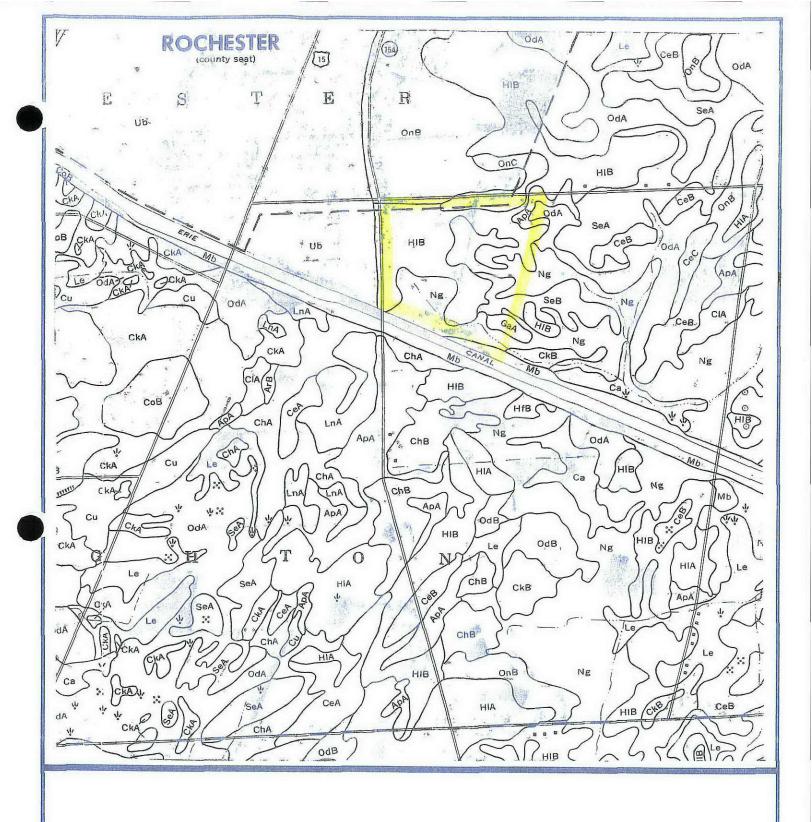


Base Map: NYS Freshwater Wetlands Map - Pittsford, NY

FIGURE 3. STATE WETLANDS





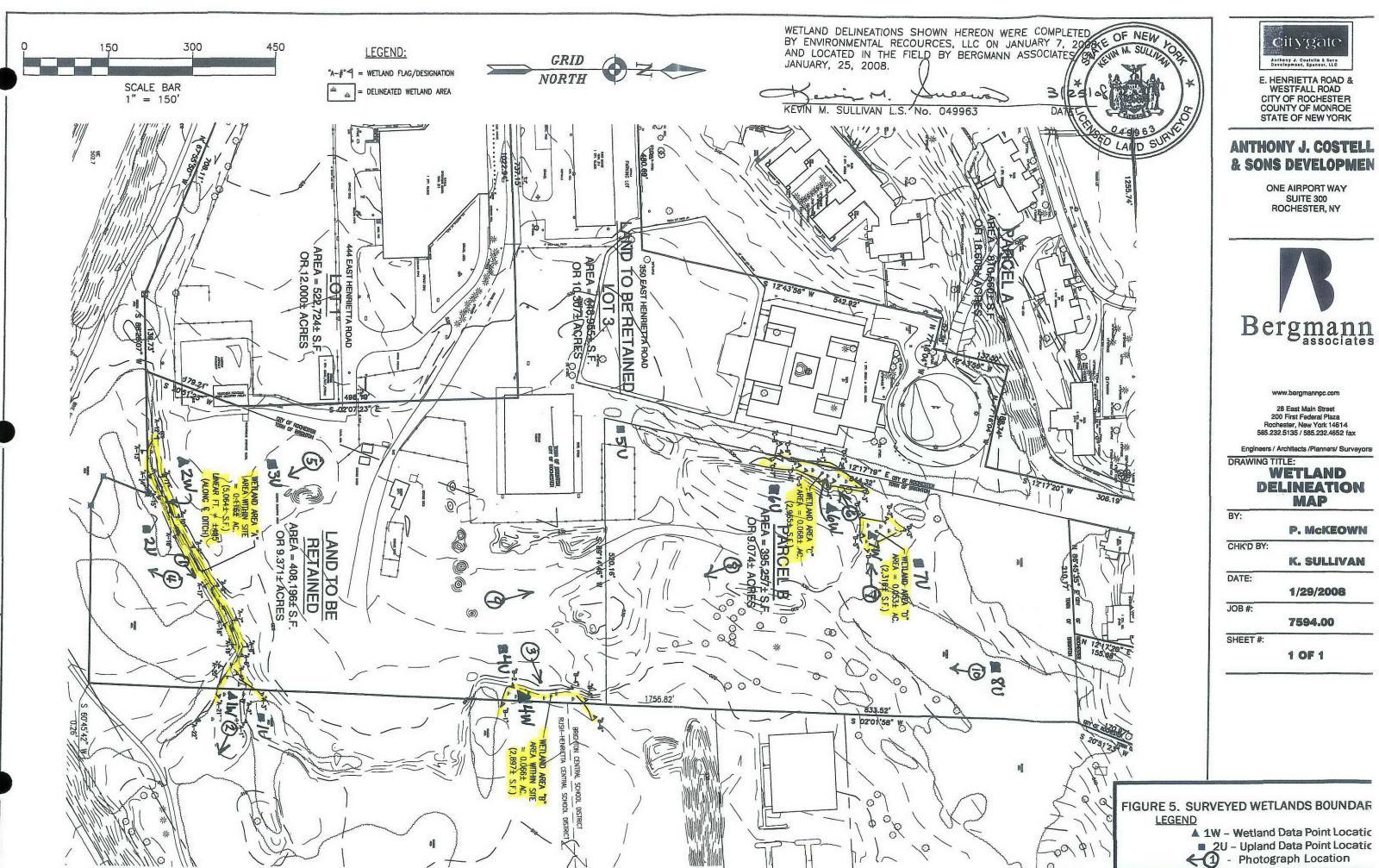


Base Map: Monroe County Soil Survey (USDA, 1973)

FIGURE 4. SOILS









APPENDIX B
Data Sheets

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559

DATA FORM ROUTINE WETLAND DETERMINATION

(585) 594-4450 1987 USAC	CE Wetlands Delineation Manual
'ject/Applicant: City Gate (Iola Campus)/AJ Costello	Date: 7-Jan-08 Town: Brighton/City Rochester
City date (lota campas)/ As costerio	Town: Brighton/City Rochester County: Monroe
Investigator: Gene Pellett John Hauber	State: New York
	Otato. Item total
Do normal circumstances exist on site? (Yes) No	community: Everent wetland
Is the site significantly disturbed? Yes No	Transect/Flag ID:
Is the area a potential Problem Area? Yes No.	Plot ID: IW
SOILS	
Series and Phase: Excavated through manged N	GACOC So. S Drainage Class: WD MWD SPD PD VPD
Subgroup:	Confirmed Mapped Type: Yes No
Matrix Color Redoximorphic Fe	eatures/Abundance/Contrast
Depth Horizon (Munsell Moist) (M	lunsell Moist) Texture, Structure, Other
*	
	
Hydric Soil Indicators:	
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Histic Epipedon High Org. Content in Surface	Layer Listed as Potential for Hydric Inclusions Only
Sufidic Odor Organic Streaking in Sandy S	Soils Other (Explain in Remarks)
Reducing Conditions Gleyed or Low Chroma color	Aquic Moisture Regime
Landscape Position: Concave Conve	ex Sloping Approximate Slope:
Flat Undulatin	
Remarks: X OR	
Remarks: * OBL dominant vey precludes	Sils data requirement.
HYDROLOGY	VEGETATION
Recorded Data (Describe in Remarks)	Dominant Plant Species: Stratum: Indicator:
Local Soil Survey	1 Typha angestytolia (HS/STV OBL
NWI Map	2 H S/S T V
NYS FWW Map	3 H S/S T V
Stream, Lake or Tide Gauge	4 H S/S T V
No Recorded Data Available	5 H S/S T V
, \	6 H S/S T V
Field Observations	7 H S/S T V
Ground Surface Inundated inches	8 H S/S T V
Soil Saturated - Depth to Saturated Soils inches	9 H S/S T V
Depth to Free Water inches	10 H S/S T V
	11 H S/S T V
Wetland Hydrology Indicators	12 H S/S T V
Primary Indicators	i e
Inundated	
Saturated in upper 12 inches	50/20 Rule Applied: Yes No Percent of Dominant Species
Water Marks	OBL, FACW, FAC
Drift Lines	OBL, FACW
Sediment Deposits	Remarks:
Drainage Patterns in Wetland	
Secondary Indicators (2 or more required)	
·	
Oxidized Root Channels in upper 12 inches	WETLAND DETERMINATION
Water - Stained leaves	Hydrophytic Vegetation Present? (Yes or No
Local Soil Survey	Wetland Hydrology Present? Yes or No
FAC - Neutral Test	Hydric Soils Present: Yes or No ASSUM
Other (Explain in Remarks)	is this Sampling Point Within a Wetland? (Yes or No
Pemerks:	
Remarks:	Remarks: Broad terminus of ditched intermitted
Trib. to Allen Creek	Stream chanel
	Tream chanel

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559 (585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

oject/Applicant:	City Gate (lola Cam	pus)/AJ Coste	llo	,-	_	Date: Town: County	7-Jan Brighton/City Rochest y: Monroe		
Investigator:	Gene Pellett	John Ha	uber		_	State:	New York		
Is the site significa	stances exist on site? antly disturbed? atial Problem Area?		Yes No Yes No		Community: Transect/Flag Plot ID:	10:	nel Picnser Co CAZ IV		
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Series and Phase: Subgroup:		Fill				Drainage Class: Confirmed Map		PD PD VPD	
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DATA FORM ROUTINE WETLAND DETERMINATION

)ject/Applicant	t: City Gate (Iola Campu	ıs)/AJ Costello			Date: Town:	7-Jan-0 Brighton/City Rochester	<u>8</u>
Investigator:	Gene Pellett	John Hauber			County: State:		-
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Is the site signific	antly disturbed?	Yes No		Transect/Flag ID		2 A 15	_
is the area a pote	intial Problem Area?	Yes No		Plot ID:		Z-W	_
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	FWW Map		3			. H S/S T V	
	am, Lake or Tide Gauge		4			H S/S T V	
No Record	ed Data Available		5			H S/S T V	
			6			H S/S T V	
Field Observation		a "	7			H S/S T V	
	und Surface Inundated	inches	8			H S/S T V	
	Saturated - Depth to Satur		9			H S/S T V	
	th to Free Water 0	inches	10 11			H S/S T V	
Wetland Hydrolo	gy Indicators		12			H S/S T V H S/S T V	
Primary In						11 3/3 1 4	
_/ Inun	ndated		1				
Satu	rated in upper 12 inches		50/20	O Rule Applied: Ye	s No Percent	of Dominant Species	
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	t Lines		ı			OBL, FACW	
/-	Iment Deposits		Re	marks:	1	1101	
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Oxid	ized Root Channels in uppe	er 12 inches		W	ETLAND DETE	RMINATION	
Wate	er - Stained leaves	100	. com	- Hydrophytic Veget	tation Present? 🕢	es or No in Dodge	₽ S
	ıl Soil Survey	Poders, arund	V u	Wetland Hydrolog	y Present? Yes or	He	
FAC	- Neutral Test	Phuloris	1	Hydric Soils Prese	nt: Yes or No	NA)	
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Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559 (585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

1987 USACE Wetlands Delineation Manual

)ject/Applicant: City Gate (lola Campus)/AJ Costello	Date: 7-Jan-08 Town: Brighton/City Rochester
Investigator: Gene Pellett John Hauber	County: Monroe State: New York
Do normal circumstances exist on site? Is the site significantly disturbed? Is the area a potential Problem Area? Yes	Community: Successional Promocy Comm. Over Tollo Transect/Flag ID: A 15 Plot ID: ZU
SOILS	
Series and Phase: FILL (may	Drainage Class: WD MWD SPD PD VPD Confirmed Mapped Type: Yes No
Depth Horizon (Munsell Moist)	imorphic Features/Abundance/Contrast (Munsell Moist) Texture, Structure, Other
*	
Hydric Soil Indicators:	
Sufficience Organic Streaki Reducing Conditions Gleyed or Low C Landscape Position: Concave Flat Remarks:	Listed on Local Hydric Soils List Listed on Local Hydric Soils List Listed as Potential for Hydric Inclusions Only Other (Explain in Remarks) Aquic Moisture Regime Convex Undulating Approximate Slope:
HYDROLOGY	VEGETATION
Recorded Data (Describe in Remarks) Local Soil Survey NWI Map NYS FWW Map Stream, Lake or Tide Gauge No Recorded Data Available Field Observations Ground Surface Inundated inches Soil Saturated - Depth to Saturated Soils Depth to Free Water inches Wetland Hydrology Indicators Primary Indicators Inundated Saturated in upper 12 inches Water Marks Drift Lines	Dominant Plant Species: Stratum: Indicator:
Drainage Patterns in Wetland	Remarks:
Secondary Indicators (2 or more required) Oxidized Root Channels in upper 12 inches Water - Stained leaves Local Soil Survey FAC - Neutral Test Other (Explain in Remarks) Remarks:	WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes or NO Wetland Hydrology Present? Yes or NO Hydric Soils Present: Yes or NO Is this Sampling Point Within a Wetland? Yes or NO Remarks:

upland

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559

(585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

-1	00 00 00 00 00 00 00 00 00 00 00 00 00	1-		Date:	7-Jan-0	<u> </u>
oject/Applicant	: City Gate (Iola Campus)/AJ Costel	10		Town: County:	Brighton/City Rochester Monroe	-
Investigator:	Gene Pellett John Hai	ıber		State:	New York	<u>-</u>
Do normal circum	nstances exist on site?	Yes (No)	Community: "	Disturbed	aid-field ov	- 1-11
is the site signific		No No	Transect/Flag ID		71 00	2 4111
_	ntial Problem Area?	Yes (No)	Plot ID:	- Tepress	y)	-
्र इ.स.स्ट्रिक सुरक्षको स			and the control of th			
<u>SOILS</u>	<i>—</i> 1, 1					
Series and Phase	:F/LL			Drainage Class:	WD MWD SPI	D PD VPD
Subgroup:				Confirmed Mapp	ed Type: Yes No	
	Matrix Color		ures/Abundance/Contrast			
	rizon (Munsell Moist)	(Mur	nsell Moist)	Te	xture, Structure, Other	
0-2"	over rocky 4111			<u> </u>		
				<u> 1</u>		
Hydric Soil Indic	ators:					
Histisols	Concreti			Listed on Local H	<u>-</u>	
Histic Epip		. Content in Surface L	·	_	al for Hydric Inclusions On	у
Sufidic Od Reducing (Streaking in Sandy So r Low Chroma color		Other (Explain in Aquic Moisture R		
	dscape Position: Concave	Convex	Sloping	-	Approximate Slope:	
Lan	Flat	Undulating			Approximate Glope.	
Remarks:	1		· 			
\mathbf{A}	pprent old parking 1	. 10				
				VECET	ATION	Y 540 (1995)
	HYDROLOGY		Demiserat North	VEGETA		4- 4:4
	Data (Describe in Remarks) al Soil Survey		Dominant Plant	s australis	Stratum:	Indicator:
	l Map		/	vulgaris	H) S/S T V	FACU
	S FWW Map		3	V = 1 0 0 0 1 2	H S/S T V	
Stre	eam, Lake or Tide Gauge		4		H S/S T V	
No Record	led Data Available		5		H S/S T V	
			6		- H S/S T V	
Field Observatio		inches	, ————	·	H S/S T V	
	und Surface Inundated Saturated - Depth to Saturated Soils	inches	9		- HS/STV - HS/STV	
	oth to Free Water inches		10		- H S/S T V	
			11		H S/S T V	
Wetland Hydrolo	gy Indicators		12		H S/S T V	
Primary In						
	ndated		50/20 Rule Applied: Ye	No Borgant	of Dominant Species	
-	urated in upper 12 inches ter Marks		30/20 Kule Applied.	s No Percent	of Dominant Species OBL, FACW, FAC	50_
	t Lines		1		OBL, FACW	<u> </u>
Sed	liment Deposits		Remarks:	H 11. 71	٠	
Drai	inage Patterns in Wetland		Also wo	is wolling by	ragnites occurs	as nec
Casastan	u Indiantum (2 or more conviced)		Delvis is 200	proxeer spec	aragnites occurs Lies in distur of welland in	Idis loca
	y Indicators (2 or more required)					FOCES (SEE
	dized Root Channels in upper 12 inche	5		ETLAND DET	_ (
	ter - Stained leaves			etation Present? `` gy Present? Yes_o	res or (No) weak	
	al Soil Survey C-Neutral Test			ent: Yes or No	: (NO)	
	er (Explain in Remarks)		F	Point Within a Wetla	and? Yes or No	
ACHIOIRS.	No long tem indicator Tracidatel work	S .	Memarks.	I Insula.	at whale cr	Her) a
	- 11 1 mal	er on disturt	ied site	- \\\\\\\\\\\\\\\\\\\\\\\\	eres	
	-neideren volum		÷ .			

Environmental Resources, LLC 33 Kress Hill Drive

DATA FORM ROUTINE WETLAND DETERMINATION

(585) 594	ort, NY 145 -4450	559		Vetlands Delication Manu			
(565) 594				wedanus Denneadon want	Date:	7-Jan	
)ject/App	licant: C	City Gate (Iola Campus)/AJ Cos	stello		Town:	Brighton/City Rochest	er
Investigator		Cone Dellatt Inha i	Hauber		County: State:	Monroe New York	
Investigator		iene Pellett John I	naubei		State.	New TOTK	
Do normal o	circumstanc	es exist on site?	Yes (No)	Community:	Energest	wetland.	
Is the site si	ignificantly (listurbed?	Yes No	Transect/Flag ID		B3	
is the area a	a potential P	roblem Area?	Yes No	Plot ID:		4W	
SOILS	The Table					en e	COLUMN TO THE RESERVE OF THE PERSON OF THE P
Series and I	Phase:	Niasara (Exposed)		Drainage Class:	WD MWD S	PD PD VPD
Subgroup:			· Ochraqualt		Confirmed Mapp	ed Type: Yes No	
	I	Matrix Color	Redoximorphic Feat	ures/Abundance/Contrast	<u> </u>		
Depth	Horizon	(Munsell Moist)	(Mur	sell Moist)	Te	kture, Structure, Other	
0-12	Sugar	10yr 4/2	commun by	c distinct	1 5: cl./m	a6.	
Hydric Soil	Indicators:						
Histir			etions		Listed on Local H		
	c Epipedon dic Odor		org. Content in Surface Li ic Streaking in Sandy So	·	_ Listed as Potentia _ Other (Explain in	il for Hydric Inclusions (Romarks)	Uniy
	ucing Condit		d or Low Chroma color		Aquic Moisture Re	•	
	_	Position: Conca		Sloping	•	Approximate Slope:	
	·	Fi	lat Undulating				
Remarks:		1				. I for his	Lic Soil
^	H	dric. Exposod so	absoil. OBL	dominant veg	. Precludes	NEED IT	
		HYDROLOGY			VEGETA		2 2 2 2 2 American de la composición d
Reco	orded Data (i	Describe in Remarks)		Dominant Plant		_Stratum:	Indicator:
	Local Soil	,			-915+1folia	(H)S/S T V	DBL
	NWI Map			2 Thragu	iles austrail	SS A S/STV	EACW
	_NYS FWW	•		3		H S/S T V	
 =	-	ake or Tide Gauge	•	4		H S/S T V	
No R	Recorded Da	ta Available		5		H S/S T V	
Field Obser	nyatione			7		. Н S/S T V Н S/S T V	
rieiu Obsei		urface inundated	inches	8		H S/S T V	
 -		ated - Depth to Saturated Soil		9		H S/S T V	
	_	ree Water $ ot\hspace{-1.5em}\mathcal{D}$ inches		10		H S/S T V	
				11		H S/S T V	
Wetland Hy	drology ind	licators	'	12		H S/S T V	
Prim	ary Indicate	ors , i.e.	1			•	
	Inundated	porkets			\sim		
		in upper 12 inches		50/20 Rule Applied://Ye	s No Percent	of Dominant Species	
	_₩ater Ma	· -				OBL, FACW, FAC	100
	_ Drift Lines					OBL, FACW	50
	Sediment	*		Remarks:			
	Drainage	Patterns in Wetland					
Seco	endary Indic	cators (2 or more required)			ورجه موادات المستحد المستحد		
	Oxidized F	Root Channels in upper 12 inc	hes	W	ETLAND DET	ERMINATION	-
	Water - St	ained leaves		Hydrophytic Vege	tation Present?	res) or No	
	Local Soil	Survey			y Present? (Yes) o	/	
	FAC - Neu	tral Test		Hydric Soils Prese	ent: Yes or No	\sim	
	Other (Exp	olain in Remarks)		is this Sampling P	oint Within a Wetla	and7 Yes or No	
Remarks:	_ la	1 1 + 1	devilor 1	Remarks: All rely	4 ren and	Flows F-	lo
3	LXCGVATC	id area adjacent to area s	Crock be a	Remarks: All crity Nearly WC	Hade and	du I	Se
	tyl.	aita. 3-		MECHAJ SOC	11000	1 - At	Cr5721-

DATA FORM **ROUTINE WETLAND DETERMINATION**

Spencerport, NY 14559 (585) 594-4450	RO		AND DETERMINA tlands Delineation Manu			
oject/Applicant: City Gate (Iola Car	npus)/AJ Costello			Date: Town:	7-Jan- Brighton/City Rochest	
Investigator: Gene Pellett	John Hauber			County: State:	Monroe New York	
		0				-
Do normal circumstances exist on site?	Yes	No.	Community:	Pineer ola	I field over	<u> </u>
Is the site significantly disturbed? Is the area a potential Problem Area?	Yes	No No	Transect/Flag ID: Plot ID:	4	<u>53</u>	
to the area a potential Problem Area?	163 (FIGURE.			
<u>SOILS</u>	 .					
Series and Phase:	FILL_			Drainage Class:	WD MWD S	PD PD VPD
Subgroup:				Confirmed Mapp	ed Type: Yes No	
Matrix (Color Redo	vimorphic Feature	s/Abundance/Contrast			
Depth Horizon (Munsell	1		Il Maist)	Te	xture, Structure, Other	1
*						
						
Hydric Soil Indicators: Histisols	Concretions			Listed on Local H	udria Caila Liat	
Histic Epipedon		ent in Surface Laye	r ——	Listed on Local H	yaric sons Eist al for Hydric Inclusions C	inly
Sufidic Odor		ng in Sandy Soils	·	Other (Explain in	=	,
Reducing Conditions	Gleyed or Low (Chroma color		Aquic Moisture R	egime	
Landscape Position:	Concave	Convex	Sloping		Approximate Slope:	
	Flat	Undulating				
Remarks: X No Losta Sto	w cinder ro	den asola	H £/1			
, , , , , , , , , , , , , , , , , , , ,	, , , , , , ,	a j aspea	43 <i>)</i>			
HYDRO	OCV		- management and a second control of the sec	VECET	TION	
				<u>VEGET/</u>		
Recorded Data (Describe in Rema	rks)	1	Dominant Plant		Stratum: (H) S/S T V	Indicator:
Local Soil Survey NWI Map		j	2 Phrasultes	australis	- H S/S T V	FACU FACW
NYS FWW Map			3 Populus del		H S AS T V	+Ac
Stream, Lake or Tide Gauge	•	_ ,	47		H S/S T V	
No Recorded Data Available		Few	5		H S/S T V	
			6		H S/S T V	
Field Observations	inata		7		H S/S T V	
Ground Surface Inundated Soil Saturated - Depth to Sa	inches	inches	9		- H S/S T V H S/S T V	-
Depth to Free Water	inches		10		Н S/S T V	
			11		H S/S T V	
Wetland Hydrology Indicators		ļ	12		H S/S T V	
Primary Indicators		1				
inundated		1.		\ .		
Saturated in upper 12 inch	es	5	0/20 Rule Applied: Yes	No Percent	of Dominant Species	,
Water Marks Drift Lines		1			OBL, FACW, FAC OBL, FACW	20
Sediment Deposits	None	į	Remarks:		OBE, I ACH	50
Drainage Patterns in Wetlas	nd	i i		ortenistic	over fill. Poor	indicator
		1		nd condi		
Secondary Indicators (2 or more	required)	<u>L</u>	37 83 21 11 2	2 0 0000	111013	
Oxidized Root Channels in t	upper 12 inches		WI	ETLAND DET	ERMINATION	
Water - Stained leaves	_	i	Hydrophytic Veget	ation Present? \	es or No	
Local Soil Survey	Nul	1	Wetland Hydrology	Present? Yes or	(No)	
FAC - Neutral Test		J	Hydric Soils Prese	\ \ \		
Other (Explain in Remarks)		1	is this Sampling Po	oint Within a Wetla	and? Yes or No	
Remarks:		į	Remarks:		\mathcal{O}	
None		-	FY1 6	pland		
Nove			• •	<u> </u>		

None

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559 (585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

						Date:	7-Jan-	
vject/Appli <u>can</u>						Town: County:	Brighton/City Rocheste Monroe	<u>''</u>
vestigator:	Gene Pellett	John Hauber				State:	New York	
the site signifi	mstances exist on site? cantly disturbed?	Yes (Yes	No No	7	community: ransect/Flag 1D:	Disturbed Represer	Piarer Com	<u>-14</u> 1
the area a pot	ential Problem Area?	Yes	6	ρ	lot ID:		50	
OILS		e duran de le midro y la conse		edangi kolu a				<u></u>
eries and Phase	e:F(Ц				Drainage Class:	WD MWD S	ספע ספ ספ
ubgroup:						Confirmed Mapp	ed Type: Yes No	
T	Matrix Cold	or Red	oximorphic Feat	tures/Abund	lance/Contrast			
	orizon (Munsell Mo	ist)	(Mui	ınseli Moist)		Te.	xture, Structure, Other	
0-3 only	1 104-4/2					Sa lin	stoney (cinc	(45)
				_ 		<u></u>	·]
ydric Soil Indi	cators:	Congretions					and the second second	
Histisols Histic Epi	pedon	Concretions High Org. Cont	ent in Surface L	aver		Listed on Local H Listed as Potentia	ydric Soils List al for Hydric Inclusions O	nlv
Sufidic Oc	· ——	_	king in Sandy So	-		Other (Explain in	-	,
	Conditions	Gleyed or Low				Aquic Moisture Re	•	
Lar	ndscape Position:	 Concave	Convex	x	Sloping	•	Approximate Slope:	
		Flat	Undulating	g			,	
emarks:	In-consolidat	et Isi	Cindur	- 4				
`		This.	Cinour	5 .				
2	HYDROLO	GY		1		VEGETA	ATION	
Recorded	Data (Describe in Remarks			D	ominant Plant		Stratum:	Indicato
Loc	cal Soil Survey			1 7	brasmite	s austra	. / ()	FACW
NW	VI Map			2 3	Sulia bel	obianaa	HSQ T V	FACU
	S FWW Map			3]	Papulus de		. н (S/S) т v	FAC
-	eam, Lake or Tide Gauge			4 _	Dipsicus S	5-ilvestris	. H S/S T V	FACU
NO RECOR	ded Data Available			5 -			H S/S T V H S/S T V	
eld Observatio	ons			7 -			. HS/STV	
	ound Surface Inundated	inche	S	8 -			H S/S T V	
Soi	il Saturated - Depth to Satur	ated Soils	inches	9			H S/S T V	
De	pth to Free Water	inches		10			H S/S T V	
		_		11			H S/S T V	
	ogy Indicators			12			H S/S T V	
-	ndicators			1				
	indated			E0 (00 Du	10 A 11 - 4 A)	.	
	turated in upper 12 inches			50/20 RU	le Applied: Yes	No Percent	of Dominant Species	
	ft Lines	ne		1			OBL, FACW, FAC	- (5)
	diment Deposits			Remai	ks: . / .	J	OBL, FACW	<u> 50</u>
	ainage Patterns in Wetland				NOO	BL don;	J vy	
Secondar	ry Indicators (2 or more re	auired)		Phraj	miks or	er expose	dvey - d cindu fill	
	dized Root Channels in upp			·		TLAND DET		
		ci 12 menes					△	
	ter - Stained leaves cal Soil Survey	`	Ì	•	-	ation Present?	/	
	C - Neutral Test	Jone.		•		Present? Yes or	(140)	
	er (Explain in Remarks)						ind? Yes or No	
emarks:				Pemar	ker i	. /	/ 1 od ~	1,1,00
				Remar	Lacks 5	soil and hyd	halosy without	
				CIS	well as ou	3L don't	11 VO -	

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559

(585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

vject/Applicant:	City Gate (lola Campus)/AJ Co	ostello		Date: Town: B	7-Jan righton/City Rochest	
Investigator:		Hauber		County: M		
Do normal circumstances exist on site? s the site significantly disturbed? s the area a potential Problem Area?		Yes No Yes No Yes No	Community: Transect/Flag ID: Plot ID:		Had	
SOILS					en e	
Series and Phase: Subgroup:	Nixo	Aeric Ochra	gval 4	Drainage Class: Confirmed Mapped		PD PD VPD
Do-45	Matrix Color on (Munsell Moist)		tures/Abundance/Contrast			
Depth Horiz		Caynon ha	distinct	lextu	e, Structure, Other	
	1 ' '					
emarks: E _{XC} a	don High r Orga onditions Gleye		oils Sloping	Listed on Local Hydri Listed as Potential fo Other (Explain in Rer Aquic Moisture Regir Ap	r Hydric Inclusions (narks)	Only
lo ca	HYDROLOGY			VEGETATI	<u>ON</u>	
NVS (NVS (NVS (NVS (Streat No Recorder Groun Soil S	FWW Map m, Lake or Tide Gauge d Data Available		Dominant Plant 1 Physics 2 3 4 5 6 7 8 9 10 11	Species:	Stratum: H S/S T V	Indicator:
	icators lated ated in upper 12 inches		12 50/20 Rule Applied: Yes	No Percent of E	H S/S T V	
Drift i	r Marks Lines nent Deposits age Patterns in Wetland		Remarks:		L, FACW, FAC L, FACW	100
	Indicators (2 or more required)		14/	TI AND DETER	MAIATION	
Water Local FAC - Other	ed Root Channels in upper 12 in '- Stained leaves Soil Survey Neutral Test (Explain in Remarks)		Hydrophytic Veget Wetland Hydrology Hydric Soils Presei Is this Sampling Po	oint Within a Wetland?	or No o ? (Yès) or No	
Remarks: Depr Abru	ession of the bas	e of	Remarks: Althous abrupt b as our 100	Liveak hyd.	ic soils hyd	applytic vet

DATA FORM ROUTINE WETLAND DETERMINATION

.		-1/4/ 04-0			Date:	7-Jan-	_
oject/Applic	cant: City Gate (lola Camp)	is)/AJ Costello			Town: County:	Brighton/City Rocheste Monroe	er
Investigator:	Gene Pellett	John Hauber	·		State:	New York	
Do normal circumstances exist on site? Is the site significantly disturbed? Is the area a potential Problem Area?		Yes No Yes No Yes No		Community: Transect/Flag ID: Plot ID:	Old-file	K over FT	-
SOILS	n de la companya del companya de la companya del companya de la co		and the second s	er jednamiselj, maker, lajem, jej jum			
Series and Ph	ase: []	LL			Orainage Class:	WD MWD S	PD PD VPD
Subgroup:					Confirmed Mapp		
Depth	Matrix Cole Horizon (Munsell Mo		hic Features/Al (Munsell Mo	oundance/Contrast pist)	Te	xture, Structure, Other	
0-3	sura 104+1/2						
Hydric Soil In Histiso		Concretions			Listed on Local H	vdric Soils List	
	pipedon	High Org. Content in St	urface Layer		-	al for Hydric Inclusions O	nly
Sufidic	Odor	Organic Streaking in S	andy Soils		Other (Explain in		•
Reduci	ng Conditions	Gleyed or Low Chroma	color	-	Aquic Moisture R	egime	
i	Landscape Position:	Concave	Convex	Sloping		Approximate Slope:	
		Flat Und	dulating	_			
Remarks:	Fill. Non. hydi	<i>C</i>					
AUGUS TO SERVICE TO THE SERVICE TO T	HYDROLO				<u>VEGET/</u>	ATION	
Record	ed Data (Describe in Remarks	 _	i i	Dominant Plant		Stratum:	Indicator:
	Local Soil Survey	,	1	1	retiolata	H)s/s T V	FACU.
	NWI Map		2	Altisma !	Julagoris	⊕s/s t v	FACU
	NYS FWW Map		3	Phaleric a	yund beech	. /	FACW
	Stream, Lake or Tide Gauge		4	Daucus card		H)S/S T V	FACU
No Rec	orded Data Available		5 6	Dipsicus	sylvestis	́⊕)s/s т v H s/s т v	FACU
Field Observa	etions		7		· · · · · · · · · · · · · · · · · · ·	H S/S T V	
	Ground Surface Inundated	inches	8			H S/S T V	
	Soil Saturated - Depth to Satu	rated Soils inch	es 9			H S/S T V	
	Depth to Free Water	inches	10			H S/S T V	
			11			H S/S T V	
	rology Indicators		12			H S/S T V	
· ·	y Indicators Inundated		1	_	_		
	Saturated in upper 12 inches		50/2	Rule Applied: (es	No Percent	of Dominant Species	
	Water Marks				,	OBL, FACW, FAC	20
	Drift Lines		1			OBL, FACW	0
	Sediment Deposits		Re	marks:	1	}	
	Drainage Patterns in Wetland			Also Ace	rnegundo	trees nearly	
Second	dary Indicators (2 or more re	quired)			<u> بری بود</u> کا است است است کا	/	·
	Oxidized Root Channels in upp	er 12 inches		Wi	ETLAND DET	ERMINATION	
	Water - Stained leaves			Hydrophytic Veget	ation Present?	es or Mo	
	Local Soil Survey			Wetland Hydrology	P.	· No	
	FAC - Neutral Test			Hydric Soils Presei	_		
	Other (Explain in Remarks)			is this Sampling Po	oint Within a Wetla	ind? Yes or (No)	
Remarks:			Re	marks:	ţ		
	F:11 ~ 12'-18'	deep.		UPLA	~ d		

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559 (585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

vject/Appti	cant: Ci	ity Gate (Iola Campu	ıs)/AJ Costel	llo				Date: Town:	January 7, 2008 Brighton/City Roche	ster
Investigator:	G	ene Pellett	John Hai	uhar				County: State:	Monroe New York	
mvestikator.		ene renett	Join Hai	10				State;	New York	
		s exist on site?		Yes No		Community	/: <u> </u>	Emergai		
is the site sig	-		•	Yes No		Transect/F	lag ID:	<u> </u>	<u>D4</u>	
is the area a	potential Pr			Yes Np		Plot ID:			7W	
SOILS				**************************************				<u> </u>		7 N M. J. L. B J T J J J J S
Series and Ph	nase:	Nias	ora				Dra	sinage Class:	WD MWD	SPD PD VPD
Subgroup:		Ų-	Acri	c Ochran	ye al F		Co	nfirmed Mapp	ed Type: Yes No	-
Depth	Horizon	Matrix Cold (Munsell Mo		Redoximorph	ic Feature: (Munsel	s/Abundance/Con	trast	Ta	etura Ctauatura Othar	
		104r31z					7		xture, Structure, Other	,
0-5	*	1097312	· · · · · · · · · · · · · · · · · · ·	Commen	he	drstma	1	Sa. c(, In. Sal	<u> </u>
	 -		<u> </u>							
Hydric Soll Ir	ndicators:									
Histiso			Concreti	ons			Lis	ted on Local H	ydric Solls List	
Histic	Epipedon		High Org	. Content in Sur	rface Layer		Lis	ted as Potentia	ıl for Hydric Inclusions	Only
Sufidio				Streaking in Sai		_	Oth	ner (Explain in	Remarks)	
Reduc	ing Condition	ons		r Low Chroma o	olor			uic Moisture R	egime	
	Landscape	Position:	Concave		Convex	SI	oping		Approximate Slope:	
Remarks:			Flat		ulating			١.		
A COMMITTEE	XEXP	liosed subsoil	6 pre	e of ext	eusite	411. 54	ar J in	etlad '	nydoole sy.	
		HYDROLO	<u>GY</u>	TO THE PLANE OF SECTION AND ADDRESS OF THE			Total Services	VEGETA	TION	ro en van de la companya de la comp
Record	ded Data (D	escribe in Remarks)			Dominant (Plant Spe	cies:	Stratum:	Indicator:
	Local Soil S	Survey			ł		mites	austral		FACW
	NWI Map NYS FWW I	Man			1	2		<u>-</u>	H S/S T V	
		wap ke or Tide Gauge			- 1	3			H S/S T V H S/S T V	
	corded Data	-			•	5			H S/S T V	
					1	6			H S/S T V	
ield Observ	ations		2.4		ı	7			H S/S T V	
-		rface inundated	8	inches	l l	8			H S/S T V	
		ted - Depth to Satur		inche:		9			H S/S T V	
	Depth to Fr	ree Water	\mathcal{Q} inches			10			H S/S T V	<u></u>
Matinad Use	saladu ladi				1	11			H S/S T V	
Wetland Hyd Primai	rology mar ry indicato					12			H S/S T V	
	inundated	.5								
	Saturated i	n upper 12 inches			50	0/20 Rule Applied	: Ras N	o Percent	of Dominant Species	
	Water Mark	<s< td=""><td></td><td></td><td>- 1</td><td></td><td>0</td><td></td><td>OBL, FACW, FAC</td><td>100</td></s<>			- 1		0		OBL, FACW, FAC	100
	Drift Lines								OBL, FACW	100
	Sediment (Deposits			I	Remarks:				
	Drainage P	atterns in Wetland								
Secon	dary Indica	ators (2 or more re	quired)		L					
	Oxidized Ro	oot Channels in upp	er 12 inches	3			WET	AND DETI	ERMINATION	
	Water - Stai	ined leaves			[Hydrophytic	Vegetatio	n Present2 (Š	es or No	
	Local Soil S				ſ			esent? (Yes or		
	FAC - Neutr	-			ŀ			Yes or No		
	•	ain in Remarks)		,	•	is this Samp	ling Point	Within a Wetla	and? (Yes or No	
Remarks:	Isolate	ed surface	wester	depress.	en	Remarks:	crite	erion me	t. withad.	
		4.11				7	PSO	lated	withad.	

Environmental Resources, LLC 33 Kress Hill Drive Spencerport, NY 14559 (585) 594-4450

DATA FORM ROUTINE WETLAND DETERMINATION

*Oject/Appli	icant: City Gate (lola C	Campus)/AJ Costel	lo		-	Date: Town:	January 2008 Brighton/City Rochester	-	
Investigator: Gene Pellett John Ha		Yes No Approved F: 11 Yes No Yes No		_	County: - State:	Monroe New York	-		
Do normal circumstances exist on site? Is the site significantly disturbed? Is the area a potential Problem Area?				Community: Transect/Flag ID: Plot ID:		nal Pianeur ol. 14 70	1-Field		
SOILS Series and P Subgroup:	hase: FILL	(mapped	las Nieger	ra)		Drainage Class: Confirmed Mapp	WD MWD SPE ed Type: Yes Mo	PD VPD	
Depth	Matrix Color Horizon (Munsell Moist)		Redoximorphic Features/Abundance/Contras (Munsell Moist)			To	xture, Structure, Other		
0-5	 			(manosi malos)		sa. lm. Sab.			
5+					Su.cl.	lu sab.			
Hydric Soil I	indicators:					<u> </u>			
Sufidi	ols Epipedon ic Odor cing Conditions Landscape Position: X Fill MUN-hydric	Organic S	. Content in Surface La Streaking in Sandy Soi r Low Chroma color Convex	is	Sloping	Other (Explain in Aquic Moisture R	al for Hydric Inclusions Onl Remarks)	y 	
HYDROLOGY					VEGETATION				
	ded Data (Describe in Rei Local Soil Survey NWI Map NYS FWW Map Stream, Lake or Tide Gar corded Data Available	·		1 2 3 4 5	Daveus a	species: Sylvestris Letuta Vulgeris value	(→) s/s ⊤ v (→) s/s ⊤ v (→) s/s ⊤ v H s/s ⊤ v	Indicator: FACU FACU UPL FACU	
Field Observ	vations Ground Surface inundate Soil Saturated - Depth to Depth to Free Water		inches inches	6 7 8 9 10			H S/S T V		
_	drology Indicators ary Indicators Inundated			12			H S/S T V		
	Saturated in upper 12 in Water Marks Drift Lines Sediment Deposits Drainage Patterns in We	None			Rule Applied: Ye	s No Percent	of Dominant Species OBL, FACW, FAC OBL, FACW		
Secor	ndary Indicators (2 or m		_		W	ETI AND DET	EDMINATION		
Oxidized Root Channels in upper 12 inches Water - Stained leaves Local Soil Survey FAC - Neutral Test Other (Explain in Remarks)				WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes or No Wetland Hydrology Present? Yes or No Hydric Solis Present: Yes or No Is this Sampling Point Within a Wetland? Yes or No					
Remarks:			1	Rem	narks: Uplan	d fill den	weeked by ob	1-116/2	
					•	for bs .			

DATA FORM ROUTINE WETLAND DETERMINATION

oject/Applicant: City Gate (Iola Campus)/AJ Costel	lo		Date: Town:	January 7, 2008 Brighton/City Rocheste	r		
Investigator: Gene Pellett John Hau	uber		County: State:	Monroe New York			
Do normal circumstances exist on site? Is the site significantly disturbed? Is the area a potential Problem Area?	Yes (6) Yes No Yes (70)	Community; Transect/Flag ID: Plot ID:	Expression Representation	possible f			
SOILS							
Series and Phase: Fill (mapped a Subgroup:	s Hilton)		Drainage Class: Confirmed Mappe		PD PD VPD		
Matrix Color Depth Horizon (Munsell Moist)	Redoximorphic Features (Munsell		Texture, Structure, Other				
0-12 A 104r3/3		salm sab.					
12+ B 10 yr 4/4			5u. cl.	Sab.			
Hydric Soil Indicators:				 _			
Histisols Concretic			Listed on Local H	ydric Soils List			
	. Content in Surface Layer Streaking in Sandy Soils						
	r Low Chroma color		Aquic Moisture Re				
Landscape Position: Concave	Convex	Sloping		Approximate Slope:	3		
Flat	Undulating						
Remarks: Apparent Fill Non-hydric.							
HYDROLOGY			VECETA	TION	May come to the last the second		
 		<u>VEGETATION</u> Dominant Plant Species: Stratum: Indicator:					
Recorded Data (Describe in Remarks) Local Soil Survey		1 Acer nego	ſ	H S/S(T) V	Indicator:		
NWI Map			ca made s		FAC-U		
NYS FWW Map			-tator see	H 8/S) T V	FACU		
Stream, Lake or Tide Gauge No Recorded Data Available	l	4		H S/S T V			
No Recorded Data Available		5 6		H S/S T V H S/S T V			
Field Observations	ı	7		H S/S T V			
Ground Surface Inundated	inches	8		H S/S T V			
Soil Saturated - Depth to Saturated Soils		9		H S/S T V			
Depth to Free Waterinches		10		H S/S T V			
Wetland Hydrology Indicators		11 12		H S/S T V H S/S T V			
Primary Indicators	j			11 3/3 1 1			
Inundated	:	-2					
Saturated in upper 12 inches	50)/20 Rule Applied: Yes	No Percent	of Dominant Species			
Water Marks Drift Lines				OBL, FACW, FAC	<u> </u>		
Sediment Deposits		Remarks:		OBL, FACW			
Drainage Patterns in Wetland	1						
Secondary Indicators (2 or more required)							
Oxidized Root Channels in upper 12 inches	, f	WF	TLAND DETE	RMINATION			
Water - Stained leaves	j	Hydrophytic Vegetation Present? Yes or No					
Local Soil Survey	j	Wetland Hydrology Present? Yes or No					
FAC - Neutral Test	1	Hydric Soils Present: Yes or (No)					
Other (Explain in Remarks)	1	Is this Sampling Point Within a Wetland? Yes or No					
Remarks:	1	Remarks: Upla	/				
		Upla	MCX.				

APPENDIX C Photographs

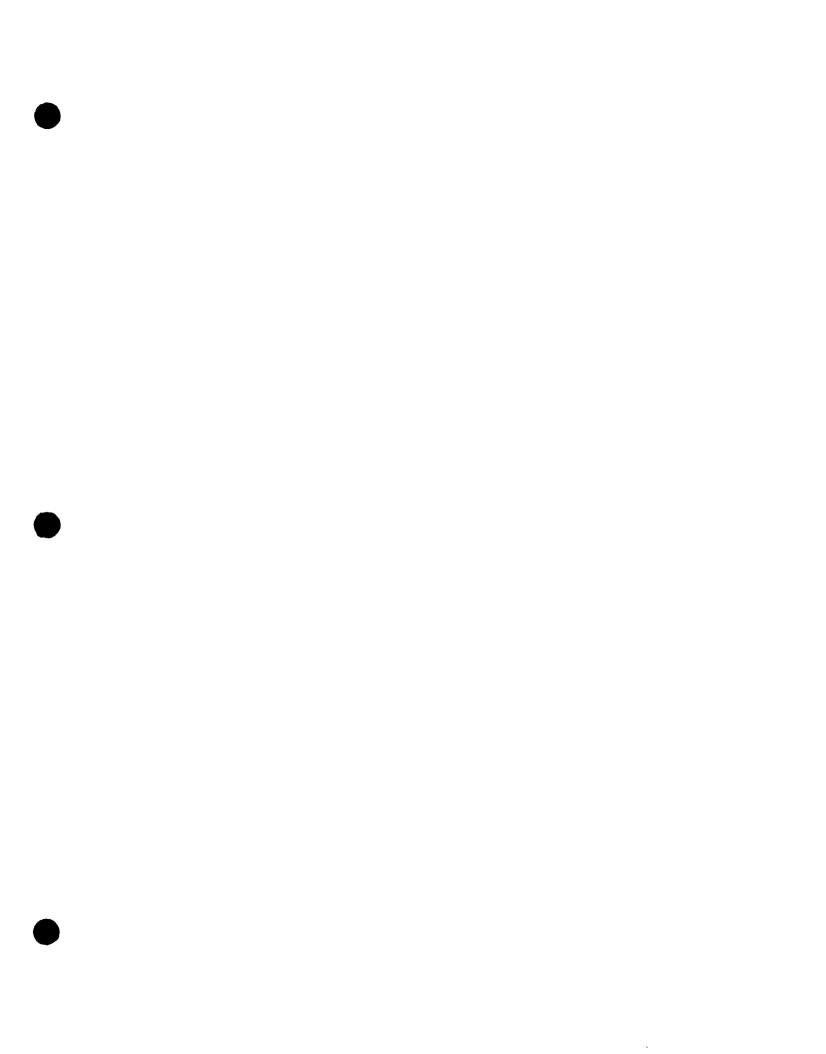




PHOTO 1. Channelized intermittent ditch (Wetland A). Note extensive fill bordering both sides of the channel.



PHOTO 2. Terminus of channelized intermittent stream (Wetland A) entering broad off-site emergent marsh to the east.



PHOTO 3. View of Wetland B (tan vegetation in background) as is straddles the east boundary line of the study area. Note on-site upland fill in foreground (location of Data Point 4U.



PHOTO 4. Successional "pioneer" forest community characterizing uplands south of Wetland A. Note fill mounds.



PHOTO 5. Representative view of extensive fill uplands characterizing the southern third of the study area. Evidence suggest this area still being used for construction material and equipment storage.



PHOTO 6. View of depressional Wetland C along the site's west-central boundary line. Note lola Campus development in background and abrupt fill edge on left side of photo.



PHOTO 7. View of delineated surface water depressional Wetland D dominated by common reed (*Phragmies australis*), and surrounded by fills.



 $\begin{tabular}{ll} PHOTO~8. Representative~view~of~extensive~fill~area~immediately~east~of~Wetland~C~and~south~of~Wetland~D. \end{tabular}$



PHOTO 9. View of typical cinder and gravel filled uplands colonized by opportunistic common reed.



PHOTO 10. Representative view of successional "pioneer" forest community characterizing uplands in the northern portion of the study area. Evidence suggests this area to consist of historic fills.