

Michael McCoy Pizza Restaurant

File No.: 198300449

City and State: Wilmington, MA

General Impacts: 0.06 acre non-tidal emergent

Functions and Values Lost:

Floodflow Alteration

Year(s) Mitigation Constructed: Permit issued 1983

Size and Type of Mitigation as Proposed: 0.24 acre non-tidal emergent

Proposed Functions and Values of Mitigation:

Floodflow Alteration

Mitigation Special Condition(s):

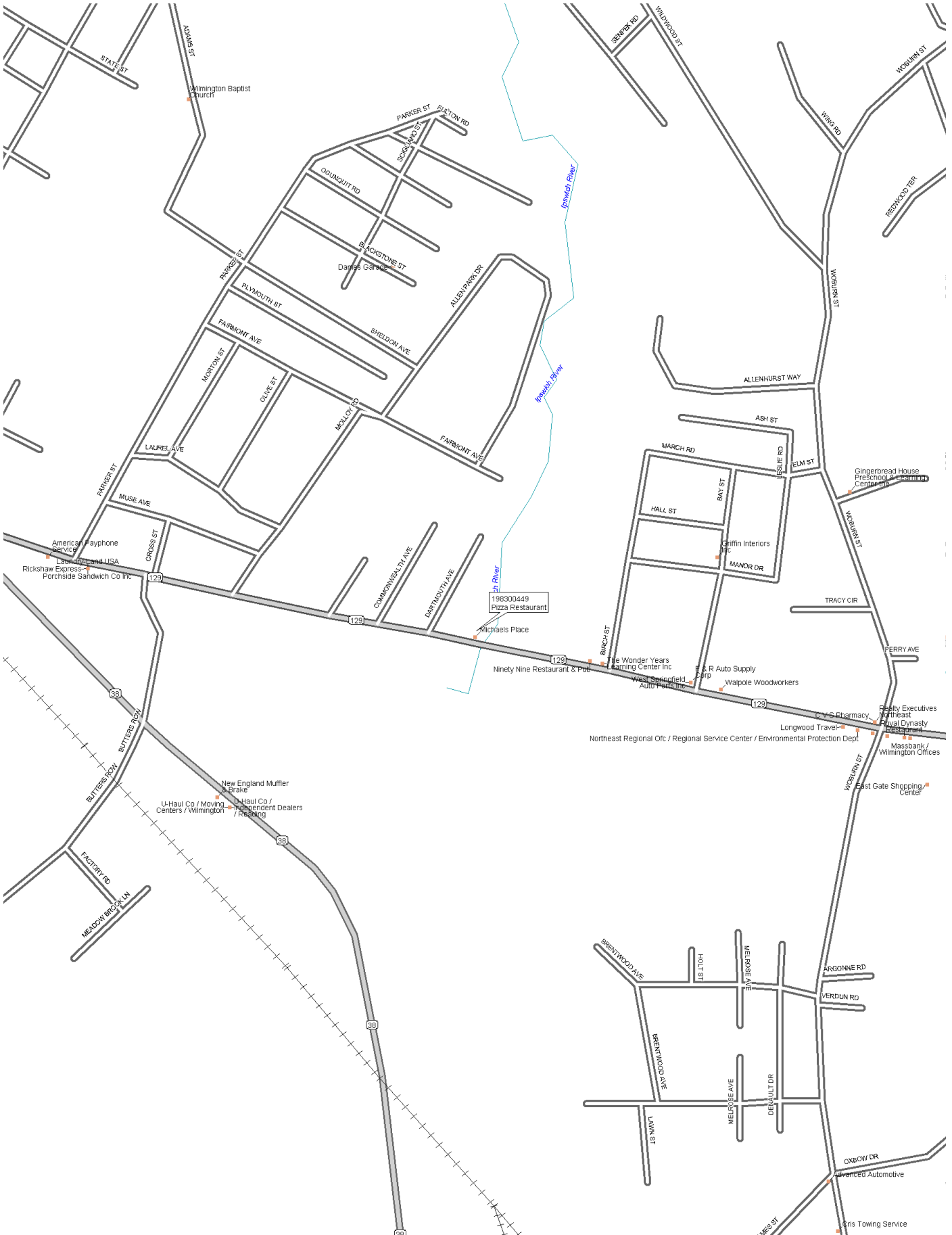
a. The peat to be removed from the wetland area prior to filling will be used to produce a wetland base over the 10,600 square foot compensation storage area at the rear of the property as shown on sheet 2 of 4 of the plans entitled "Pizza Restaurant, Lowell Street, Wilmington, Mass." dated "June 27, 1983". The Corps will be contacted at the time this work is to take place.

Remarks:

No mitigation plan in file other than a drawing entitled, "Pizza Restaurant, Lowell Street, Wilmington, Mass, Project Proposal" dated June 27, 1983.

Directions:

Take I-95/128 north to I-93N. Take exit 12 for Route 129. Turn right at the end of the ramp onto Route 129W (Lowell Street). Site is on the right just over a mile down Route 129 after crossing Woburn Street and just after crossing a brook. The mitigation site is behind the restaurant.





MITIGATION SITE FIELD DATA FORM

Site Name: Mike's Pizza File No.: 198300449

City/Town: Wilmington State: MA Waterbody: Ipswich River Watershed

Monitor(s): Ladd, Minkin, Wright, McKee Date: 6-05-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 0.24 acre

Actual size of wetland: TBD

Landscape position: lowland next to riverside wetland

Lat/Long Points: N 42.54156 W071.15802

Saved GPS Waypoint name: PIZZA

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:

Parking lot, residential

Is wetland function compromised by surrounding land use?

Floodwater storage not compromised but ecological function compromised by surrounding land use and dominance by invasive species.

Plant Health:

Good

Invasive Species:

Phragmites australis (dominates site), *Lythrum salicaria*

Plants:

Acer rubrum

Carex stricta

Eleocharis sp.

Equisetum sp.

Juncus effusus

Kalmia angustifolia

Lythrum salicaria

Onoclea sensibilis

Osmunda regalis

Phragmites australis

Rhamnus frangula

Scirpus cyperinus

Scirpus validus

Spiraea tomentosa

Thelypteris palustris

Typha latifolia

Wildlife Use:

Red-winged blackbird

Soils Data:

Soils data were not collected at this site.

Sketch approximate mitigation site, noting areas and types of wetlands, waters, other features, landscape position, landmarks, etc., and data and photo point(s):

See file.

Overall Description of site:

This is a flood storage area adjacent to Mike's Pizza parking lot. Site was graded but no planting was done. Dominated by *Phragmites australis*. There is a decrease in diversity as distance from adjacent scrub shrub wetland increases.

Comments, problems, recommendations:

Eupatorium perfoliatum, *Rhododendron viscosum*, *Vaccinium corymbosum*, *Salix discolor*, *Clethra alnifolia*, *Osmunda cinnamomea*, *Symplocarpus foetidus*, *Smilax* sp., and *Spiraea* sp. were found in the adjacent scrub shrub system.

Also, a more recent mitigation site, required by state/local for flood storage, was adjacent (with back to the restaurant it is beyond the study wetland) to the one described in this report. The two sites were separated by siltation fence. This second site was characterized by viviparous *Juncus* sp., *Scirpus cyperinus*, *Scirpus validus*, *Scirpus microcarpus*, and a patch of *Carex lurida*.

LEGEND

EXISTING CONTOURS & ELEVATIONS 81.2
PROPOSED CONTOURS & ELEVATIONS 82
MARAFI EROSION FILTER
WETLAND FILLING

LOWELL STREET
RTE. 129

PIZZA RESTAURANT
LOWELL STREET
WILMINGTON, MASS.
PROJECT PROPOSAL

APPLICANT: MICHAEL MCCOY
JUNE 27, 1983 SCALE 1" = 40'

Wetland Function-Value Evaluation Form

Total area of wetland 0.24 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use parking lot, residential, wetland Distance to nearest roadway or other development 5 feet

Dominant wetland systems present PEM Contiguous undeveloped buffer zone present 20%

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? low

How many tributaries contribute to the wetland? 0 Wildlife & vegetation diversity/abundance (see attached list)

Pizza Restaurant
Wetland I.D. 198300449













Latitude N42.54156 Longitude W71.15802

Prepared by: Minkin Date 6/5/02

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office _____ Field X

Corps manual wetland delineation
completed? Y _____ N X

Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			
 Floodflow Alteration	X		4,6,7,8,9,10,13	X	site was designed for flood storage
 Fish and Shellfish Habitat		X			
 Sediment/Toxicant Retention	X		1,2,10,12,16		site in urban area adjacent to natural wetlands
 Nutrient Removal	X		3,4,8,9,12,13,14		sense cover of <i>Phragmites</i>
 Production Export	X		2,7		probably some plant fragments
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X		6,11,13		probably minimal; red-winged blackbirds
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			
Other					

Notes:

* Refer to backup list of numbered considerations.

198300449
Pizza Restaurant
Wilmington, MA
6/5/02



Looking northeasterly from edge of restaurant parking area over the side slope (covered with *Rosa multiflora*), the mitigation site vegetated with *Phragmites australis*, towards the scrub-shrub wetland associated with Maple Meadow Brook.



Looking southerly from the northern edge of the mitigation site back toward the pizza restaurant.

USGS **Wilmington, Massachusetts, United States** 29 Mar 1995



0 100M

0 100yd

Image courtesy of the U.S. Geological Survey
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