

# Ipswich Public Works

**File No.:** 198600168

**City and State:** Ipswich, MA

**General Impacts:** 0.16 acre of salt marsh

**Functions and Values Lost:** Unable to tell from file.

**Year(s) Mitigation Constructed:** 1987

**Size and Type of Mitigation as Proposed:** 0.16 acre of salt marsh (restoration of temporary impact)

**Proposed Functions and Values of Mitigation:** Unable to tell from file.

**Mitigation Special Condition(s):**

a. All areas of wetlands which are disturbed during construction shall be restored to their approximate original elevation (but not higher) and condition by careful protection, and or removal, and replacement of existing soil and vegetation. In addition, if upland clearing, grubbing, or other construction activity results in or may result in soil erosion with transport and deposition into wetland, devices such as hay bales, sediment trenches, etc. shall be installed and properly maintained to minimize such impacts during construction. These devices must be removed when no longer needed.

**Remarks:**

No mitigation plan in file.

**Directions:**

Take I-95 north to Route 128 to Route 1A north to Ipswich, MA. Take a right onto Argilla Road shortly after passing Route 133 on the right. Pass Heartbreak and Northgate Roads on the right, then Fox Creek Road on the left. The site is on the right (south) side of the road just after crossing the creek (east side of the creek). If you get to Castle Hill, you passed it.









## MITIGATION SITE FIELD DATA FORM

**Site Name:** Ipswich Public Works **File No.** 198600168

**City/Town:** Ipswich **State:** MA **Waterbody:** canal-Fox Creek

**Monitor(s):** Paul Minkin, Kathleen McKee **Date:** 6-10-02

**Was site constructed?** yes

**Is site wetland?** yes

**Size of proposed wetland:** 0.16a

**Actual size of wetland:** same

**Landscape position:** tidal marsh

**Lat/Long Points:** 42.67710N W070.78591

**Saved GPS Waypoint Name:** N/A

**GPS Tracking Log Name:** IPS

**Perimeter:** TBD

**Surrounding Land Use**

Salt marsh, road, residential

**Is wetland function compromised by surrounding land use?**

No

**Plant health:**

Very good

**Invasive species:**

None, but *Phragmites australis* located  
250' away from marsh

**Wildlife use:**

Great egret, periwinkle mollusk,  
crab, barnacles, small fish

**Plants:**

*Distichlis spicata*

*Spartina alterniflora*

*Spartina patens*

**Soils Data:**

Soils data 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 field notes.

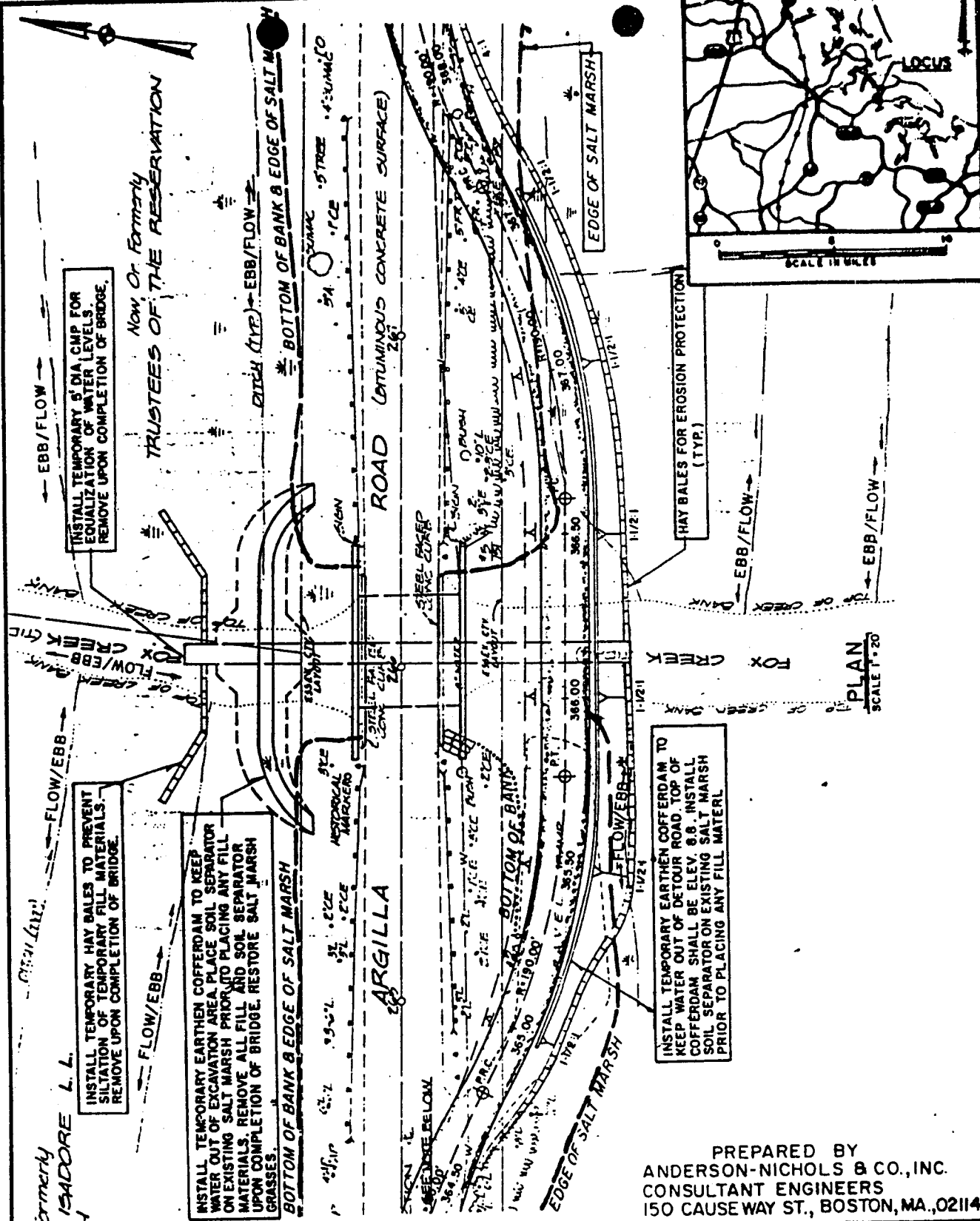
**Overall Description of site:**

Restoration due to damage by bridge work. Mitigation site can't be distinguished from adjacent marsh. Soil had sulfuric odor. Small low salt road does not compromise marsh. In one hour tide dropped 6-10''. Weather sunny 70's, breezy. Rained a little about 36 hours ago.

**Comments, problems, actions needed:**

None

978 0745



PLAN ACCOMPANYING PETITION OF TOWN OF IPSWICH, MA. TO CONSTRUCT NEW BRIDGE AND TEMPORARY DETOUR ROADWAY, OVER FOX CREEK ON ARGILLA ROAD IN THE TOWN OF IPSWICH, COUNTY OF ESSEX, MA.

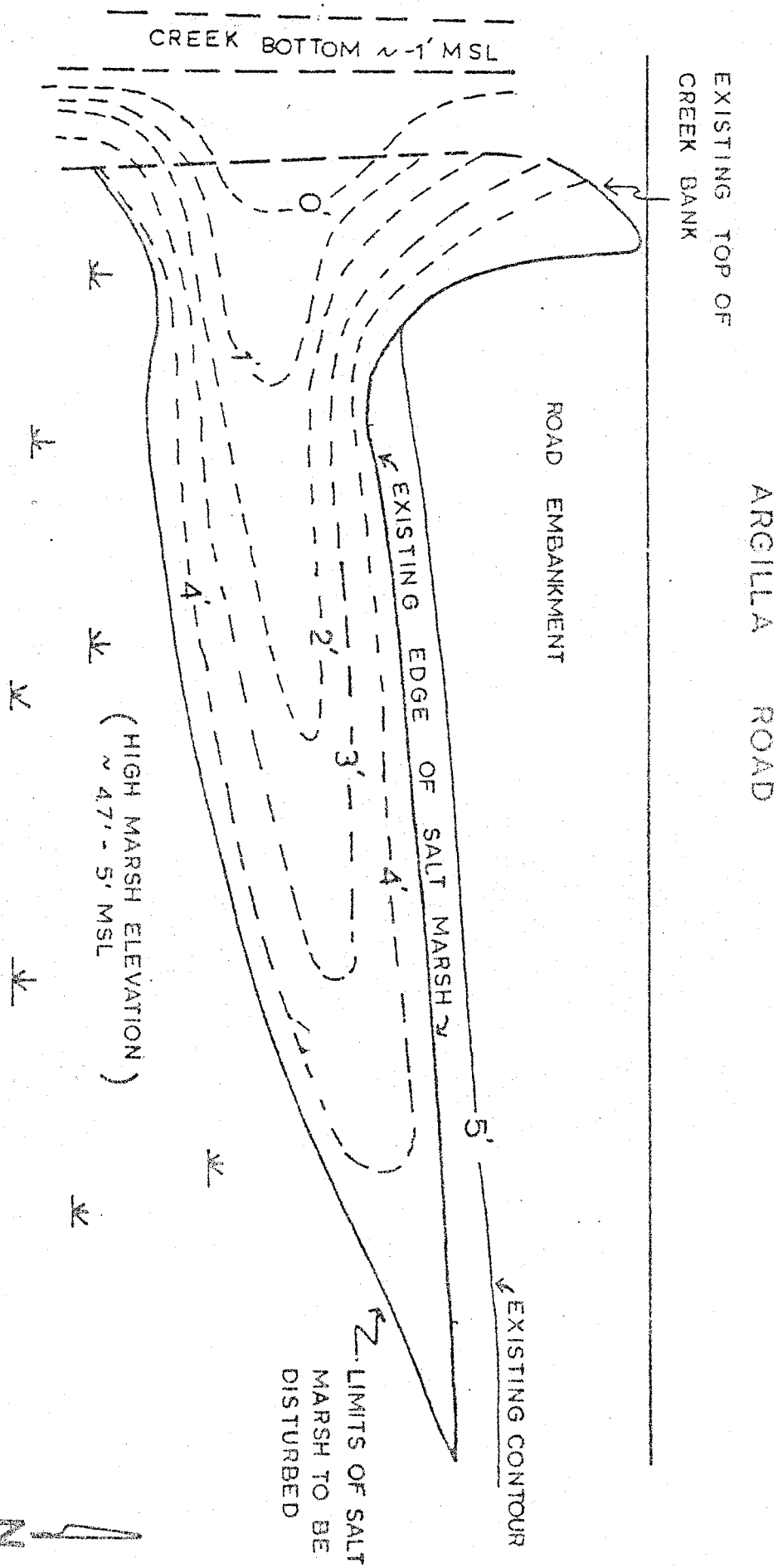
SEPTEMBER 1985

PREPARED BY  
ANDERSON-NICHOLS & CO., INC.  
CONSULTANT ENGINEERS  
150 CAUSEWAY ST., BOSTON, MA. 02114

# PROPOSED BRIDGE RECONSTRUCTION AND TEMPORARY BYPASS ROAD

OVER FOX CREEK CANAL ON ARGILLA ROAD IN  
IPSWICH RIVER ESTUARY SALT MARSH  
TOWN OF IPSWICH, ESSEX COUNTY MASSACHUSETTS  
BY IPSWICH DEPARTMENT OF PUBLIC WORKS

# CONCEPTUAL PLAN FOR LOW MARSH OPTION ON EAST SIDE OF ARGILLA RD.



NOTES: ELEVATIONS BELOW 4' MSL TO BE PLANTED TO SPARTINA ALTERNIFLORA

ELEVATIONS 4'-5' MSL TO BE PLANTED TO SPARTINA PATENS

---3'--- = PROPOSED CONTOURS

SCALE: 1" = 20'

# Wetland Function-Value Evaluation Form

Total area of wetland 0.16 ac Human made?        Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use road, tidal marsh Distance to nearest roadway or other development 5 feet

Dominant wetland systems present estuarine emergent Contiguous undeveloped buffer zone present 60%

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

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

Ipswich Public Works  
Wetland I.D. 198600168













Latitude N42.6771 Longitude W70.78591

Prepared by: Minkin Date 6/10/02

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		5,6,9,10,13,18		tidal marsh
 Fish and Shellfish Habitat	X		marine – 1,4,5		near marsh channel, nursery for juveniles
 Sediment/Toxicant Retention	X		1,2,4,10,13,14,16		
 Nutrient Removal	X		3,4,5,8,9,10,12,13		dense marsh vegetation
 Production Export	X		2,4,6,7,10,11	X	tidal flushing
 Sediment/Shoreline Stabilization	X		3,7,11,12,15	X	marsh along tidal channel
 Wildlife Habitat	X		6,7,8,11,13,19		marsh species, great egret, crab, periwinkle, barnacles, small fish
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics	X				attractive vista
<b>ES</b> Endangered Species Habitat		X			
Other					

Notes:

\* Refer to backup list of numbered considerations.



198600168  
Ipswich DPW  
Ipswich, MA  
6/10/02



Looking southeast from toe of slope on Argilla Road toward the tidal creek. Site is in foreground.



Looking west from site to road bridge.



0 100M

0 100yd

Image courtesy of the U.S. Geological Survey  
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