PHOTO NO. 1 - OVERGROWN CULVERT

PHOTO NO. 2 - OVERGROWN CULVERT

PHOTO NO. 3 - OVERGROWN CULVERT

PHOTO NO. 4 - OVERGROWN CULVERT

figure 2.17

EXISTING CONDITIONS - WESTERN CULVERT ALONG PARISH ROAD
TOBICO MARSH
Saginaw River/Bay NRD Settlement

PHOTO NO. 1 - OVERGROWN CULVERT

PHOTO NO. 2 - OVERGROWN CULVERT

PHOTO NO. 3 - DETERIORATED AND PARTIALLY COLLAPSED CULVERT

PHOTO NO. 4 - OVERGROWN CULVERT

figure 2.18

EXISTING CONDITIONS - MIDDLE CULVERT ALONG PARISH ROAD
TOBICO MARSH
Saginaw River/Bay NRD Settlement

PHOTO NO. 1 - OVERGROWN CULVERT

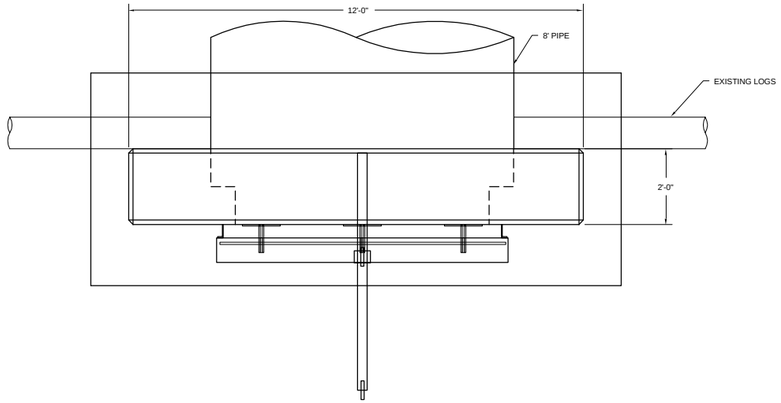
PHOTO NO. 2 - DETERIORATED CULVERT

PHOTO NO. 3 - OVERGROWN CULVERT

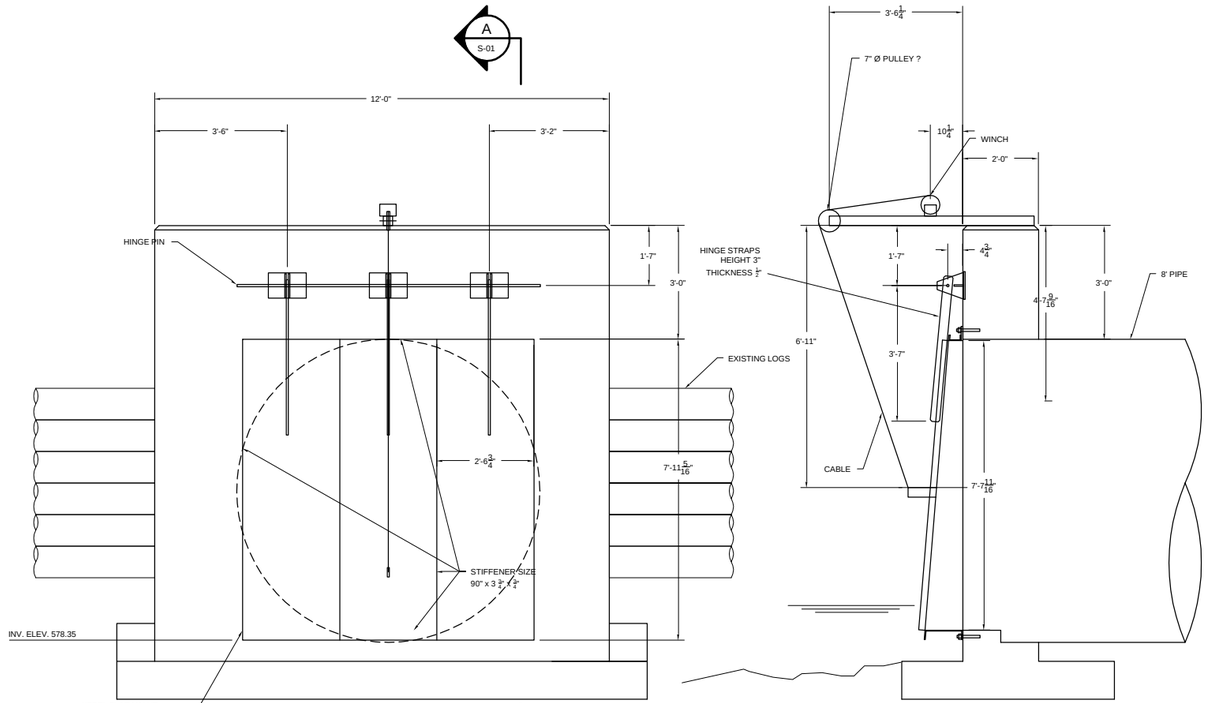
PHOTO NO. 4 - OVERGROWN CULVERT

figure 2.19

EXISTING CONDITIONS - EASTERN CULVERT ALONG PARISH ROAD
TOBICO MARSH
Saginaw River/Bay NRD Settlement



PLAN



ELEVATION A S-01

SECTION A S-01
1/2"=1'-0"

STEEL FLAP-GATE EXISTING CONDITIONS

SCALE 1/2"=1'-0"

PRELIMINARY

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved

SAGINAW RIVER/BAY NRD SETTLEMENT

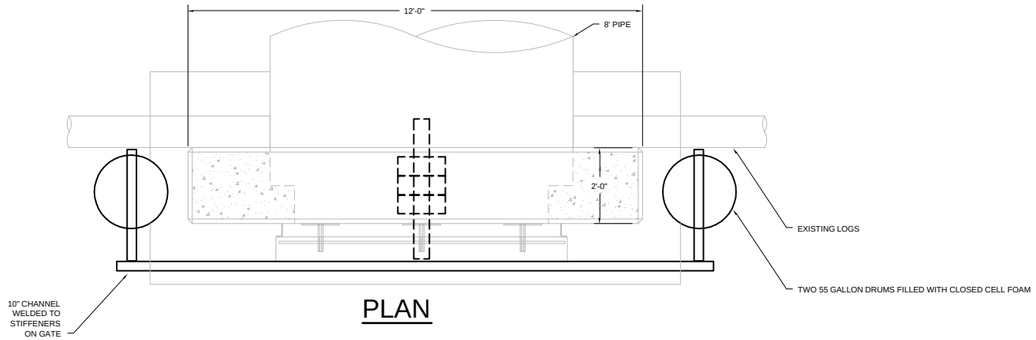
TOBICO MARSH 90% PLAN

FLAP-GATE
EXISTING CONDITIONS

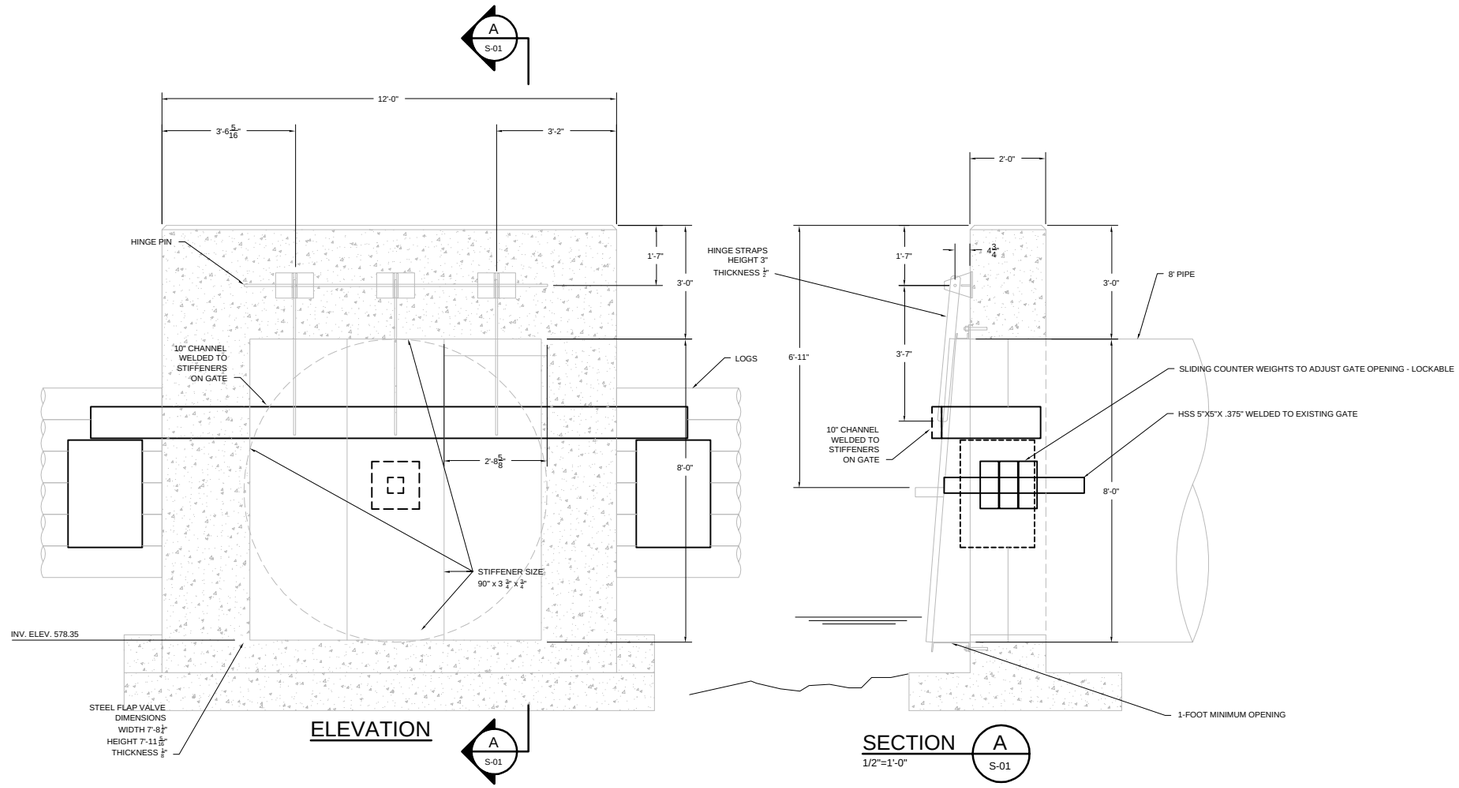
CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: JUNE 2003
Project Manager: M. TOMKA	Reviewed By: C. AMEY	Designed By:	Drawn By:
Scale: AS SHOWN	Project No: 18204-03	Report No: 012	Drawing No: 2.20

18204-03(012)ST-WA001 JAN 09/2004



PLAN



ELEVATION

A
S-01

SECTION
1/2"=1'-0"

A
S-01

STEEL FLAP-GATE MODIFICATIONS

SCALE 1/2"=1'-0"

PRELIMINARY

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved

SAGINAW RIVER/BAY NRD SETTLEMENT

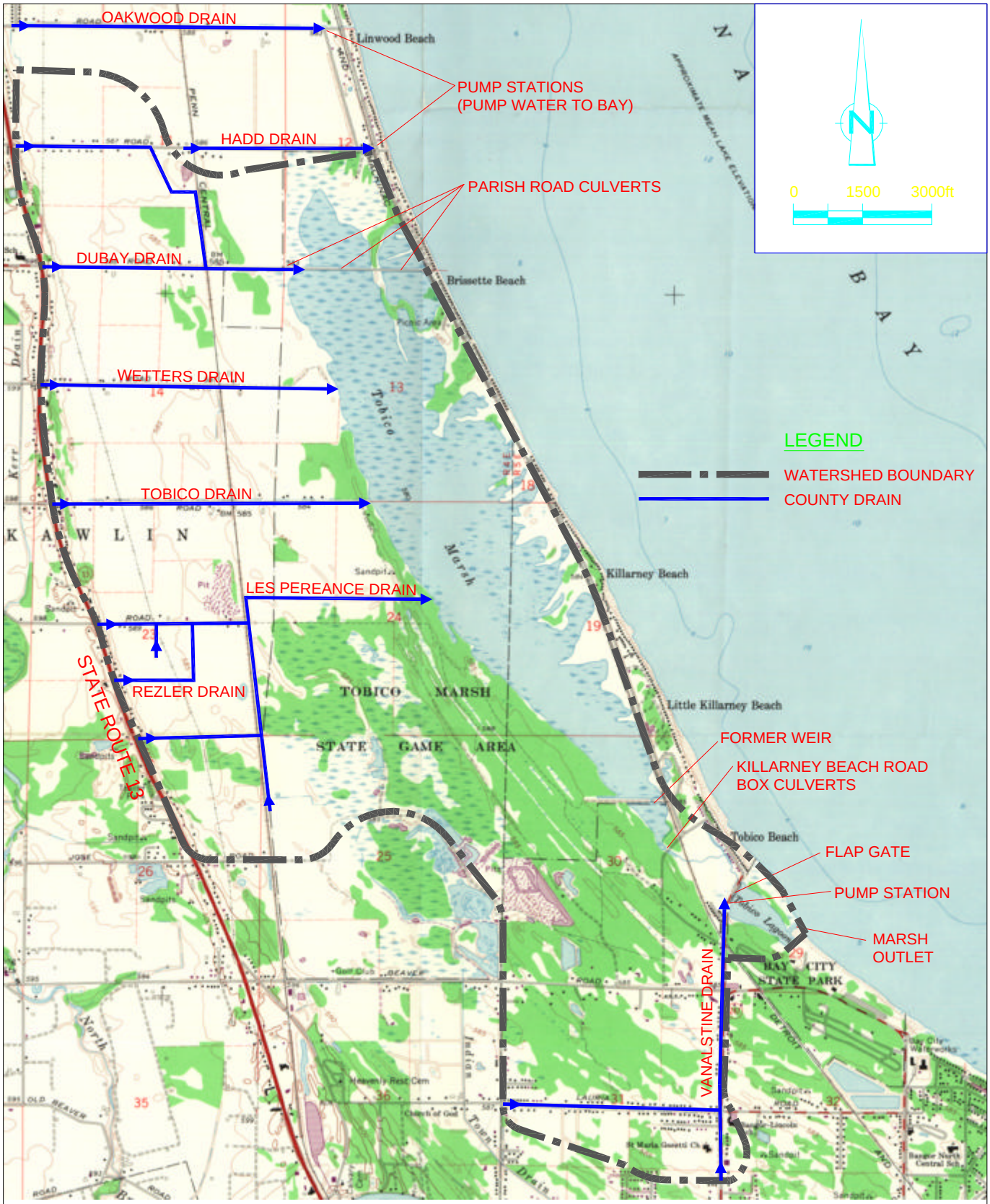
TOBICO MARSH 90% PLAN

PROPOSED FLAP-GATE MODIFICATIONS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			Date: JUNE 2003
Project Manager: M. TOMKA	Reviewed By: C. AMEY	Designed By:	Drawn By:
Scale: AS SHOWN	Project No: 18204-03	Report No: 012	Drawing No: 2.21

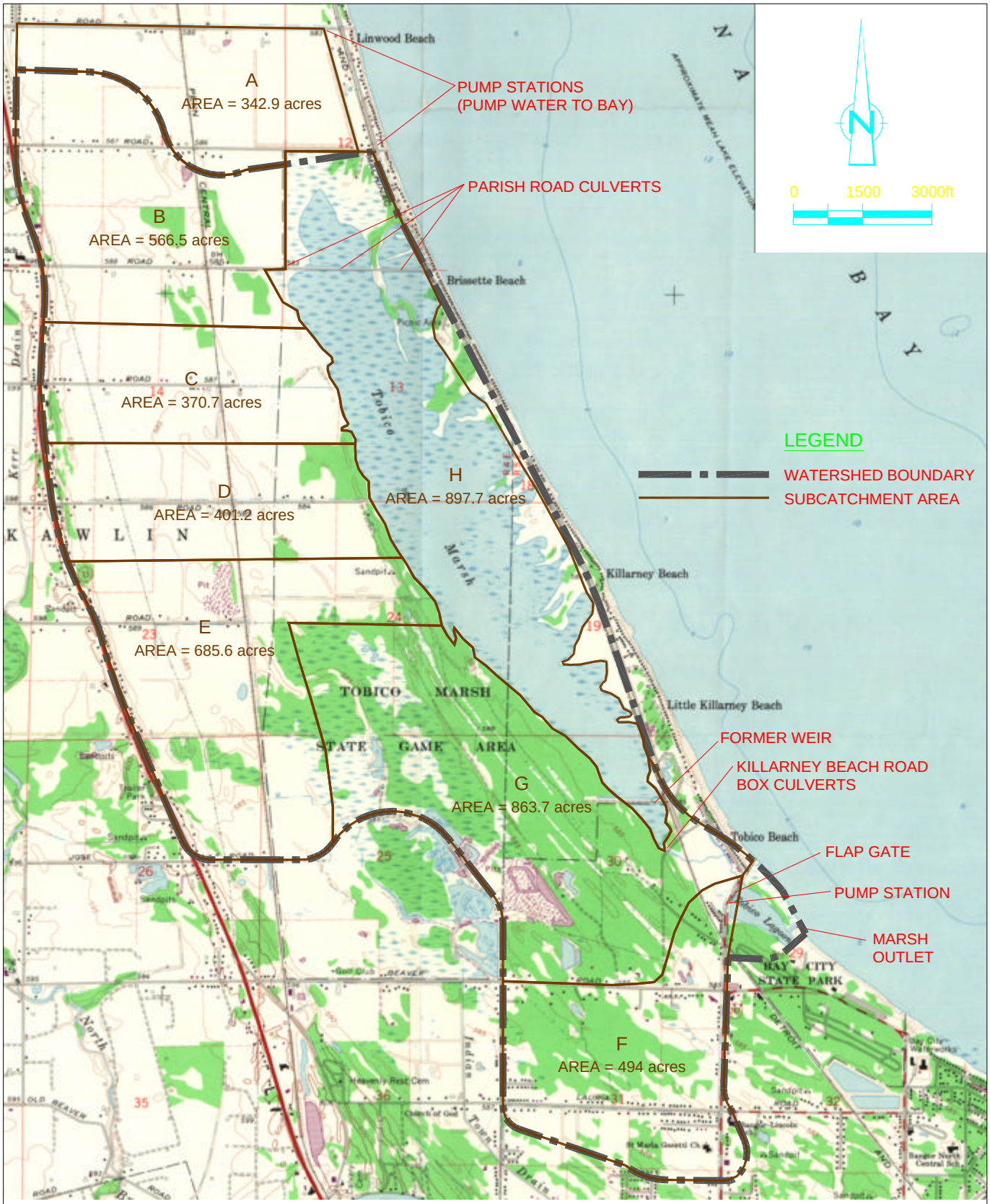
18204-03(012)ST-WA002 JAN 09/2004



SOURCE: USGS QUADRANGLE, KAWKAWLIN, MICH., 1967
BAY COUNTY DRAINAGE MAPS, 2002
(KAWKAWLIN AND BANGOR TOWNSHIPS)

figure 2.22

WATERSHED BOUNDARY
TOBICO MARSH
Saginaw River/Bay NRD Settlement



SOURCE: USGS QUADRANGLE, KAWKAWLIN, MICH., 1967
BAY COUNTY DRAINAGE MAPS, 2002
(KAWKAWLIN AND BANGOR TOWNSHIPS)

figure 2.23

SUBCATCHMENT AREAS
TOBICO MARSH
Saginaw River/Bay NRD Settlement