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**Stantec**

**APPENDIX A**

**Layout of NOTL Municipal Irrigation  
System**










# Town of Niagara-on-the-Lake Airport Bright Lavigne Irrigation System

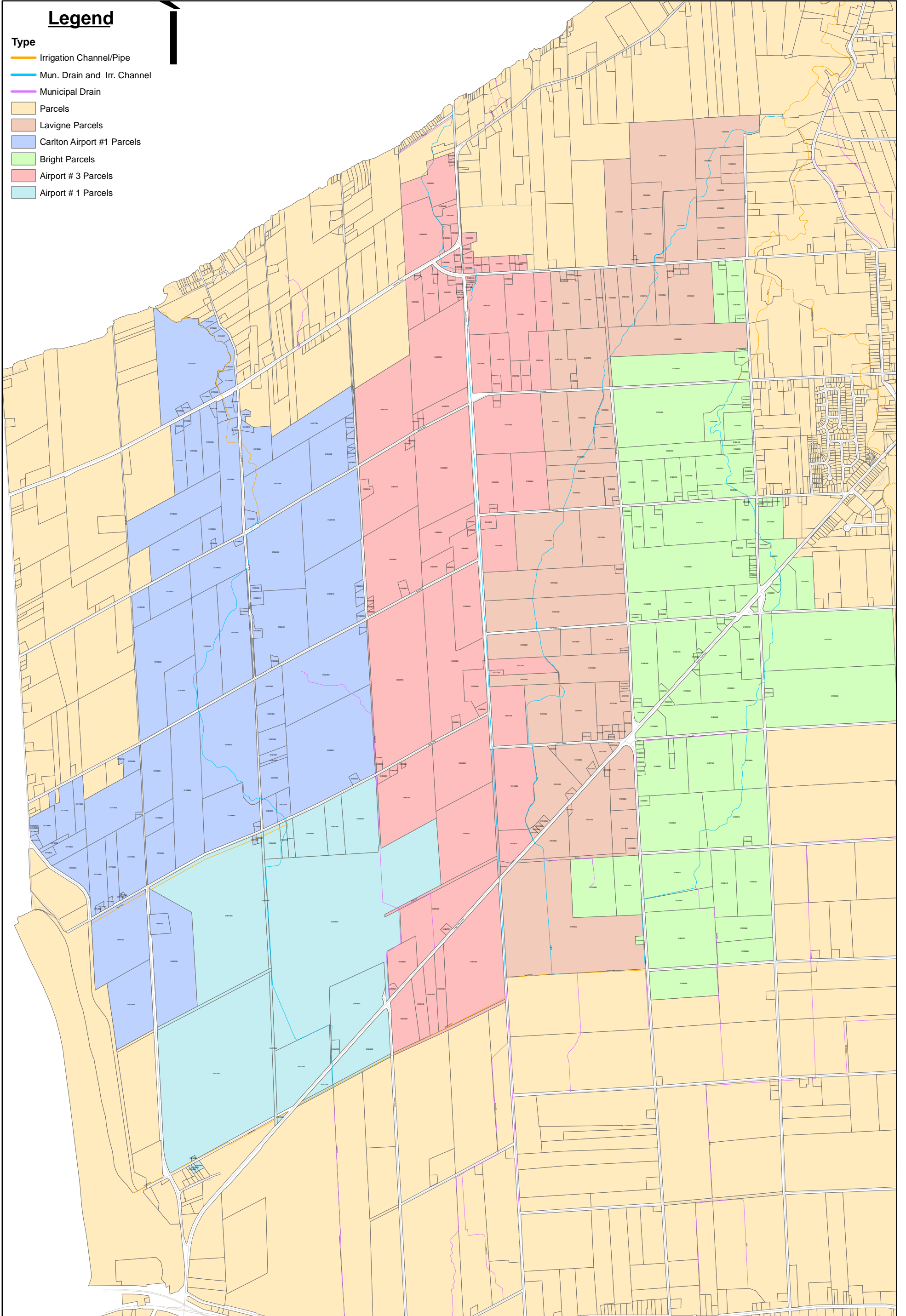


By : Mike Komljenovic  
Dept : Engineering Department  
Date : March 23, 2005  
h:\GIS\Drawings\ArcView\Municipal Drains\ABLJan2005.mxd

## Legend

### Type

-  Irrigation Channel/Pipe
-  Mun. Drain and Irr. Channel
-  Municipal Drain
-  Parcels
-  Lavigne Parcels
-  Carlton Airport #1 Parcels
-  Bright Parcels
-  Airport # 3 Parcels
-  Airport # 1 Parcels









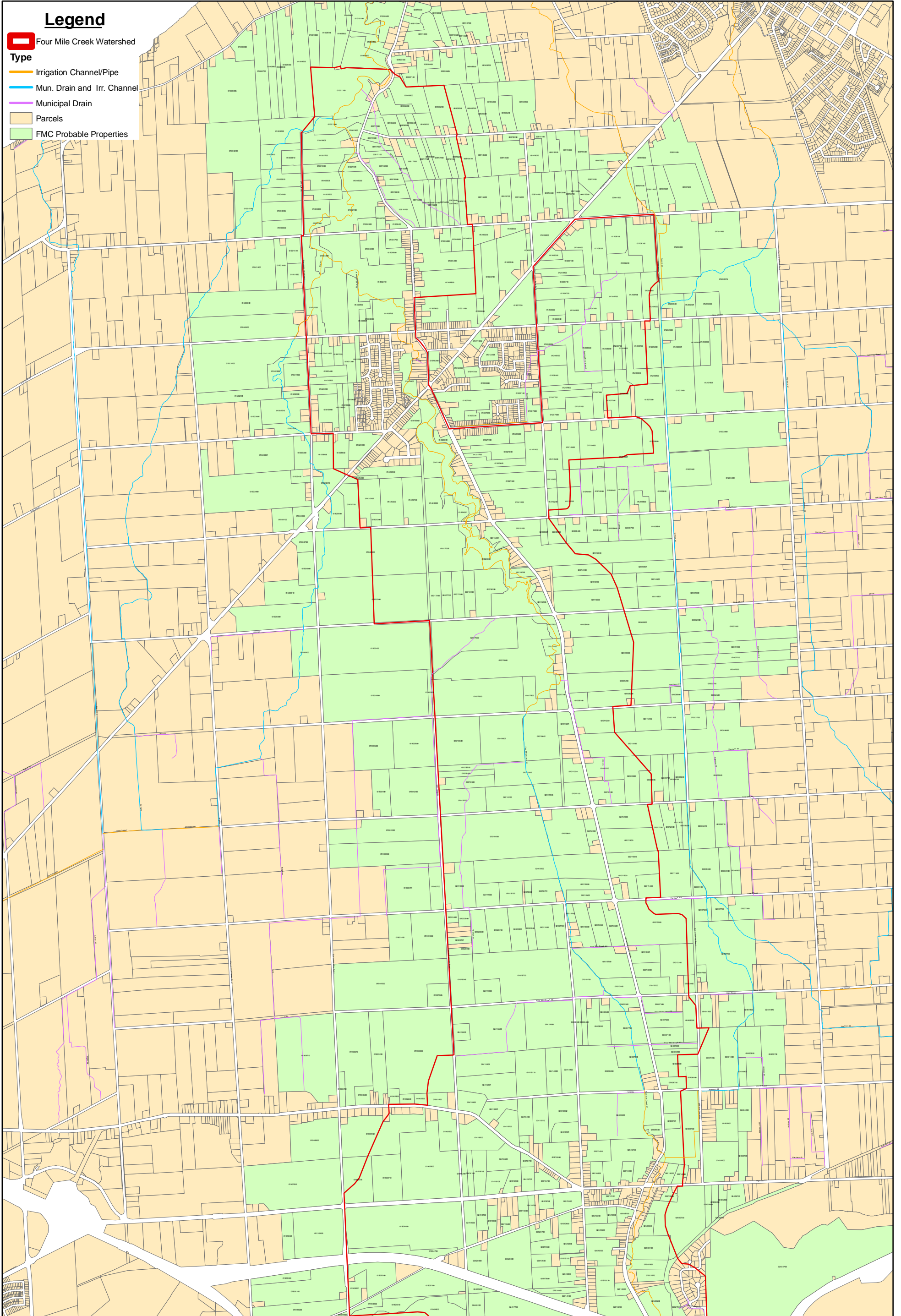
# Town of Niagara-on-the-Lake Four Mile Creek Irrigation System



By : Mike Komjenovic  
Dept : Engineering Department  
Date : March 23, 2005  
I:\GIS\Drawings\ArcView\Municipal Drains\Four Mile Creek.mxd

## Legend

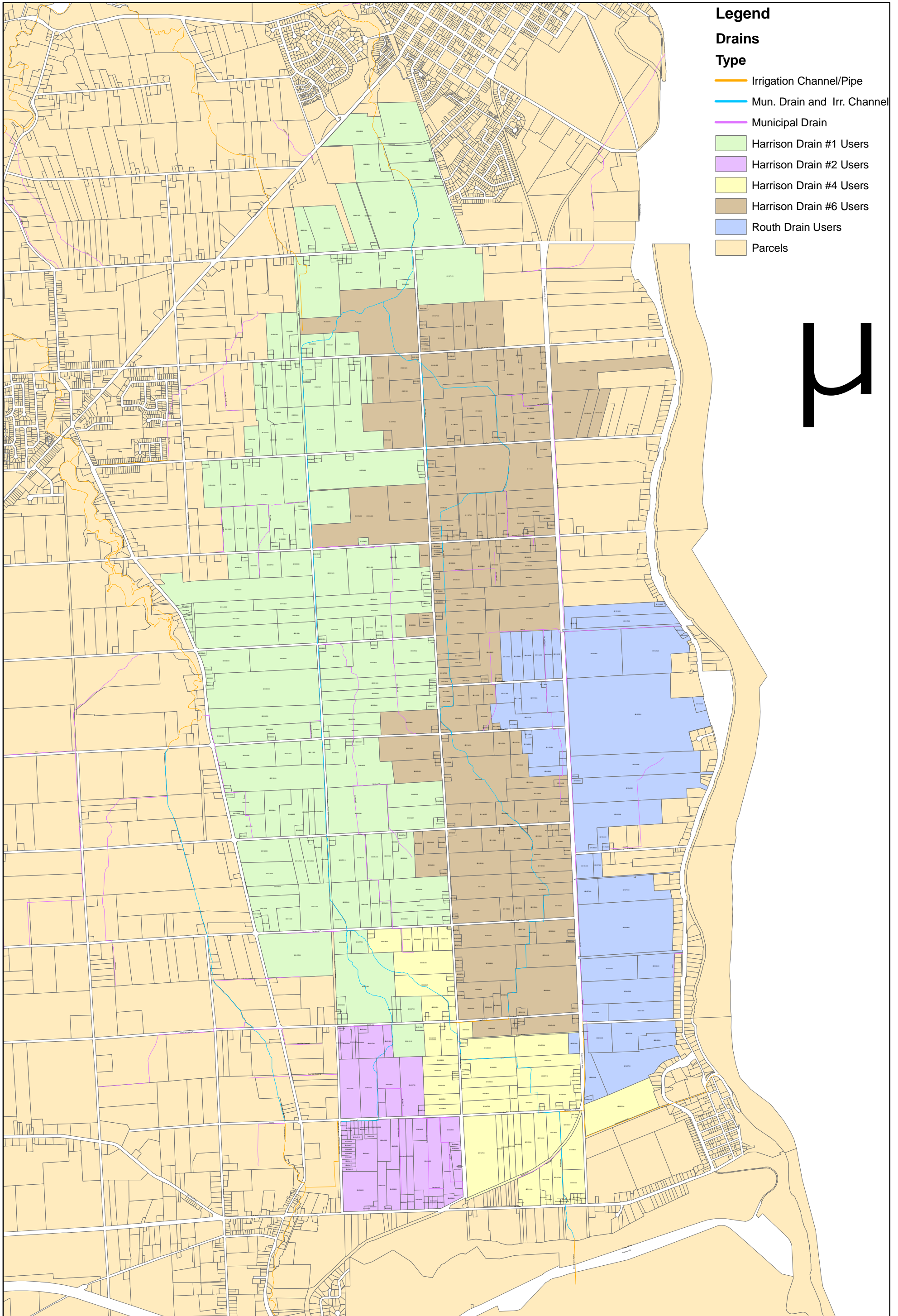
-  Four Mile Creek Watershed
- Type
-  Irrigation Channel/Pipe
-  Mun. Drain and Irr. Channel
-  Municipal Drain
-  Parcels
-  FMC Probable Properties



# Town of Niagara-on-the-Lake Harrison Routh Irrigation System



By : Mike Komljenovic  
Dept : Engineering Department  
Date : March 23, 2005  
H:\GIS\Drawings\ArcView\Municipal Drains\Harrison Jan2005.mxd





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**Stantec**

**APPENDIX B**

**Comment from St. Lawrence Seaway  
Authority on this Report**

From: FJohnston@seaway.ca  
Sent: Wednesday, August 24, 2005 10:22 AM  
To: Soltani, Saeed  
Cc: LMalone@seaway.ca  
Subject: RE: Niagara Project Report - Draft

Follow Up Flag: Follow up  
Flag Status: Flagged

Saeed :

We have reviewed your Project Report draft.

It has been decided within SLSMC that we wish to avoid any additional third party usage of our Penstock provided water which could affect our power production capabilities, and therefore wish its consideration in 8.1.1 removed from your report, as well as the significant issues 1st and 3rd bullets referenced below it.. We also prefer that any expansion to the existing East District, Niagara on the Lake supply, currently from above Lock 2, be focused to supply from above Lock 6, which will not affect our future power production efforts at the lower Weirs 1,2 & 3 of the Welland Canal. Also any references you have made to supply sources governed by the Niagara Treaty, eg. Lake Erie via the Welland Canal, will definitely require approval from Dept. of Foreign Affairs.

I have also just been reminded of another possible supply source from the same elevation and geographical area of the Welland Canal as our Penstock intake.

There is an existing 36" intake above Lock 7 that was a former raw water gravity feed to Thorold Industries, with a head level of 173.3 during the summer months. As there is no more industrial water requirement, Regional Municipality of Niagara as the owner is preparing to decommission this. At present it continues at 24" dia. at least a kilometer north into the Town of Thorold, buried in an old Welland Canal Right of Way, nearly as far as the City of St. Catharines border. There is an existing Old Canal park & public trail corridor continuing downstream beyond this, which carries north past the CN East / West Mainline. This existing infrastructure although of short length may be of some consideration for the Irrigation Study, as it seems to have potential for 4+cms delivered to the West District irrigation sites.

I recently discussed this decommissioning with a Regional person and wondered if this had occurred to anyone else within the Region as having any potential in the Irrigation scheme. It would certainly alleviate some expensive excavation works to access the Canal otherwise.

Regards  
Fraser Johnston  
Survey & Hydrographics Officer  
SLSMC  
Niagara Region  
905-641-1932 x5365  
Cell-905-726-1478