

Master Servicing Plans (Master Plans)

A complicated and fun real-life game of Catan" - maneuvering between competing needs, constraints, and conflicting policies

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PRESENTATION OUTLINE AND LEARNING OBJECTIVES



- > What is a Master Servicing Plan?
- > Considerations for a Master Servicing Plan
- Competing or conflicting requirements

- Case Study
- > Lessons Learned

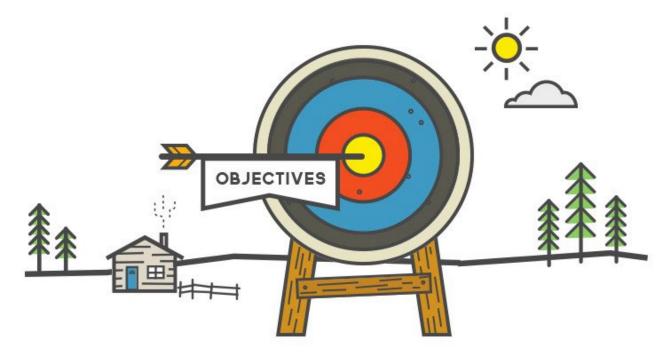


Photo by Unknown on https://furtheredagogy.wordpress.com/2016/06/30/lesson-objectives-what-are-we-measuring/

WHAT IS A MASTER PLAN?



Created to ensure the municipalities can sustainably grow and provide services to current and future residents

- A plan of long -term strategies, initiatives, programs, and infrastructure projects to meet community needs
- Main purpose is system wide approach
- Can be used to plan for growth, changes in the community or to optimize systems
- > Examples:
 - Municipal Plans
 - Water and wastewater (and even stormwater) master servicing plans
 - Transportation master servicing plans
 - Infrastructure master servicing plans



WHAT IS A MASTER PLAN?



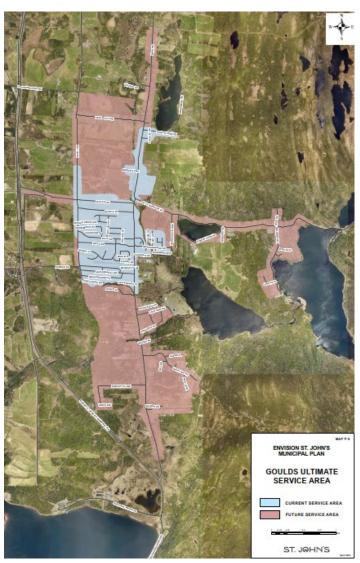
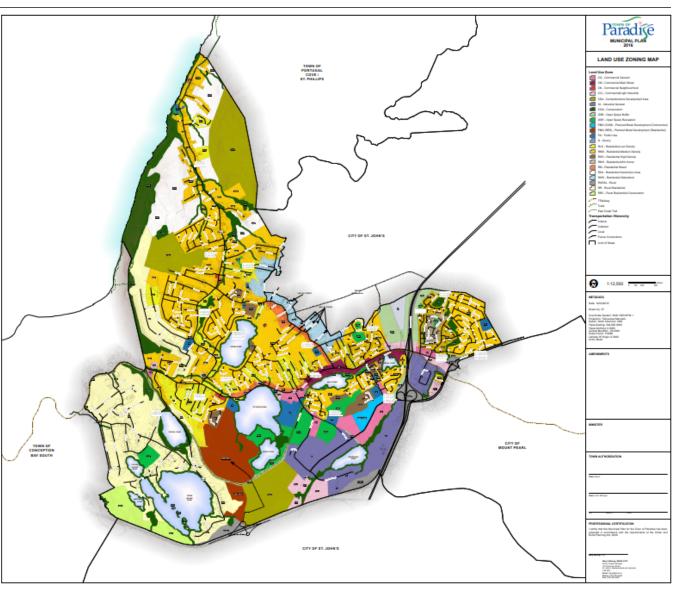


Photo by City of St. John's





- Usually undertaken through the Municipal Class Environmental Assessment process
- This allows specific recommended projects from the master plan to have gone through the Municipal Class Environmental Assessment process
- Although the Master Servicing Plan itself does not require a Municipal Class Environmental Assessment process, the projects that come out from the master plans will

CONSIDERATIONS FOR A MASTER SERVICING PLAN



Why? What is the reason for the master plan?

- > Is it to accommodate growth?
- > Are there changing community needs?
- Is it to optimize the systems?

What services are being considered?

- > Water supply, treatment, storage and distribution?
- > Wastewater collection and treatment?
- > Stormwater?
- > Transportation?
- > Infrastructure?

When - How long of a planning horizon?



Photo by Diva Plavalaguna: https://www.pexels.com/photo/wood-man-people-woman-6147373/

CONSIDERATIONS FOR A MASTER SERVICING PLAN



Where?

- Is it a specific community or area?
- > Is it an entire city or municipality?
- Does it involve several municipalities or within an entire region or county?

Who are the stakeholders?

- > Local and regional governing bodies
- Public, businesses, developers, special interest groups
- Indigenous communities
- > Agencies

All this needs to be considered to answer the "How", which is the Master Plan



Photo by Diva Plavalaguna: https://www.pexels.com/photo/wood-man-people-woman-6147373/

HOW IS A MASTER SERVICING PLANLIKE PLAYING CATAN"?



This sets up the game board...now the fun begins... Because the game isn't fun without constraints and issues...

HOW IS A MASTER SERVICING PLAN LIKE PLAYING CATAN"?



Different players with varying strategies

> Stakeholders with different interests and needs

Limited resources

> Financial, physical resources, time, space/location

Things outside of your control may impact outcome

> i.e. climate change, politics, public opinion

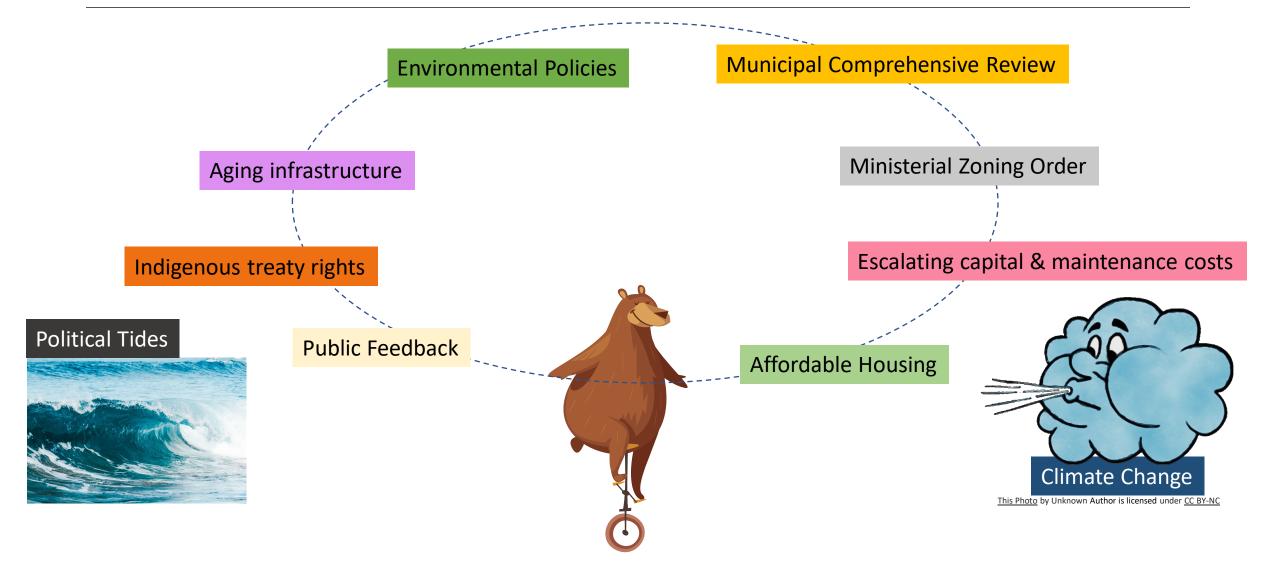
You can plan and strategize all you want, but sometimes you just don't get what you want

> Someone or something causes limitations and constraints

Sometimes you have to negotiate and bargain to succeed

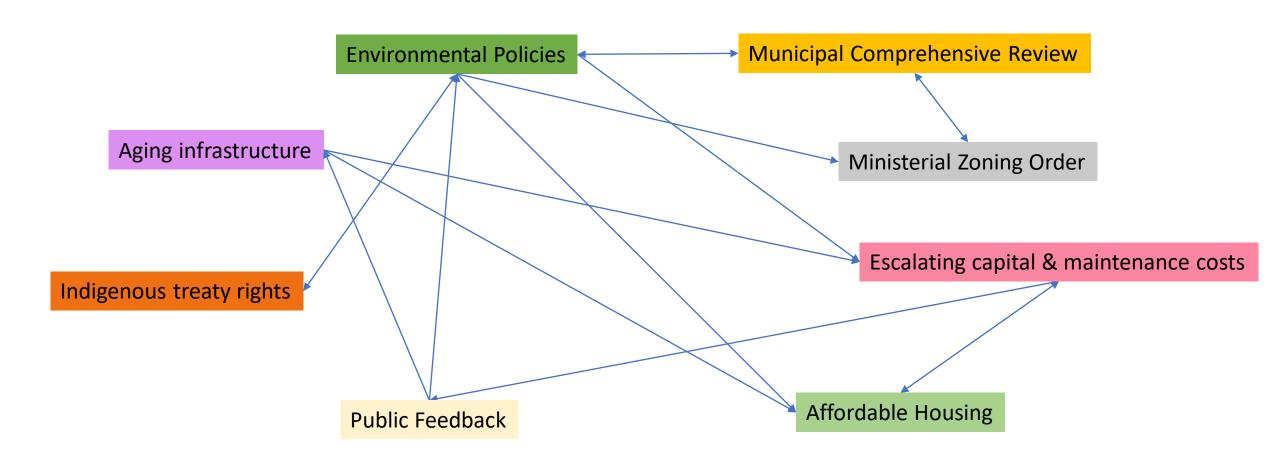
> A win-win bargain is always best (at least for a MSP), so try to think win-win





THESE REQUIREMENTS/NEEDS ARE ALL INTERCONNECT

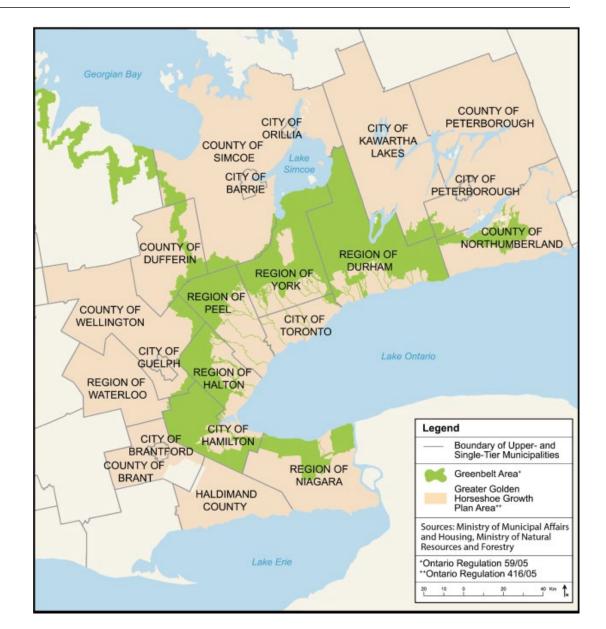






Municipal Comprehensive Review (MCR)

- Used in Ontario's Greater Golden Horseshoe to ensure that Master Plans conform with updated provincial plans and policies
- States areas need to accommodate certain amount of growth by 2051
- Master plans now need to consider:
 - Residential and employment growth
 - Growth requires servicing (water, wastewater, roads etc.)
 - Policies which may affect this growth





Ministerial Zoning Order (MZO)

- > Allows Ministry of Municipal Affairs and Housing to regulating the use of land, buildings and structures anywhere in Ontario
- Bypasses typical land use assessment, environmental and public consultation processes
- If there is a conflict between an MZO and a municipal zoning by-law, the MZO prevails
- Still need to consider servicing, comply with Provincial Policy Statement (for those within Ontario's Greenbelt) and Master Plan



Photo by Felipe López on Unsplash



Environmental Policies

- Balances environmental protection with growth and urbanization
- > Land use planning framework for where urbanization can occur and protects ecological, hydrological and agricultural resources



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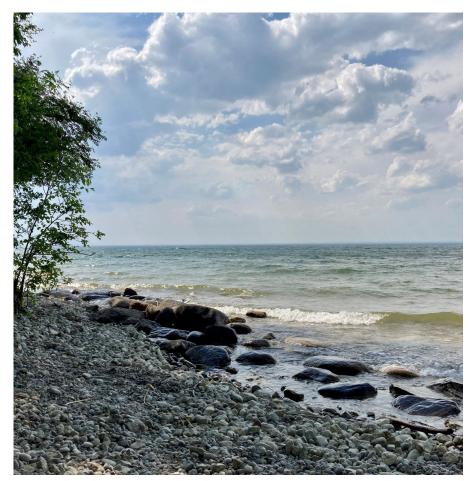


Environmental Protection of Receiving Waters

- Limits nutrient amounts that can be discharged into sensitive receiving water bodies
- Primary nutrient of concern is total phosphorus

Source Water Protection

Protects drinking water supply (surface and groundwater)



https://www.ontarioparks.com/parksblog/winter-lake-simcoe/



Escalating capital and maintenance costs

- > Supply shortage (pandemic, world events)
- > Skilled labour shortage
- > Fluctuating energy prices



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Affordable Housing

- Hot topic!
- Many factors local and global
- Cost for infrastructure and servicing to accommodate the growth and additional housing increasing



Aging Infrastructure

- Infrastructure have expected life span
 - Many of these infrastructures are getting to their end of life and need to be replaced
- Cost to replace has increased
 - Inflation
 - Supply shortage
 - Labour shortage
 - Built up areas around aging infrastructure making replacement difficult/complicated
 - Limited redundancy in previous designs complications and further cost increase during replacement process



This Photo by Unknown Author at https://depositphotos.com/vector-images/cracked-road.htm



Indigenous Treaty Rights

 Indigenous consultation necessary as part of Class EA and Master Plan process

Public Feedback

* "Not In My Backyard" (NIMBY) Syndrome

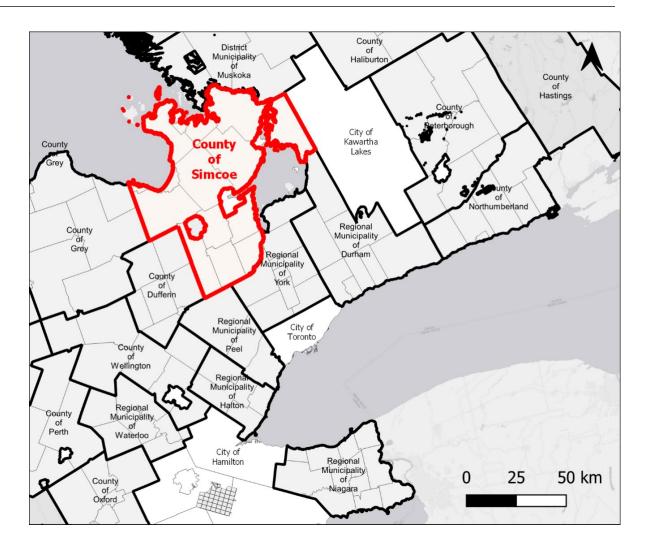


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Simcoe County

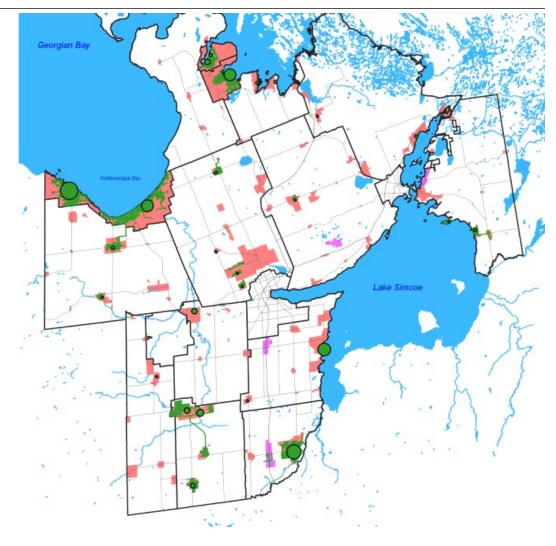
- Many different stakeholders (16 member municipalities in Simcoe County)
- Several municipalities in Simcoe County heavily impacted by MCR and environmental policies
- > MCR requires growth
- Lake Simcoe Protection Plan, the lake is at or near its contaminant load capacity
- Conflicting policies squeezes the municipality between rock and hard place
- "You can live here, but you can't poop here"
- Servicing would be costly due to environmental requirements





Simcoe County: Lessons Learned

- Difficult to accommodate growth in a certain areas where servicing will be very difficult and costly to achieve
- Serviceability needs to be considered along with the MCR population and employment allocations
- > Promote discussion on different levels of government and with involved ministries and environmental agencies
- Consider partnering with nearby municipalities for shared resources/servicing/costs





THANK YOU FOR LISTENING! QUESTIONS?

