



# Solid Waste Management By-Law Town of Norman Wells Norman Wells, NT

June 2021



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## GENERAL HOUSEKEEPING:

Please have your volumes set on MUTE



Use the chat line to send questions

Questions?



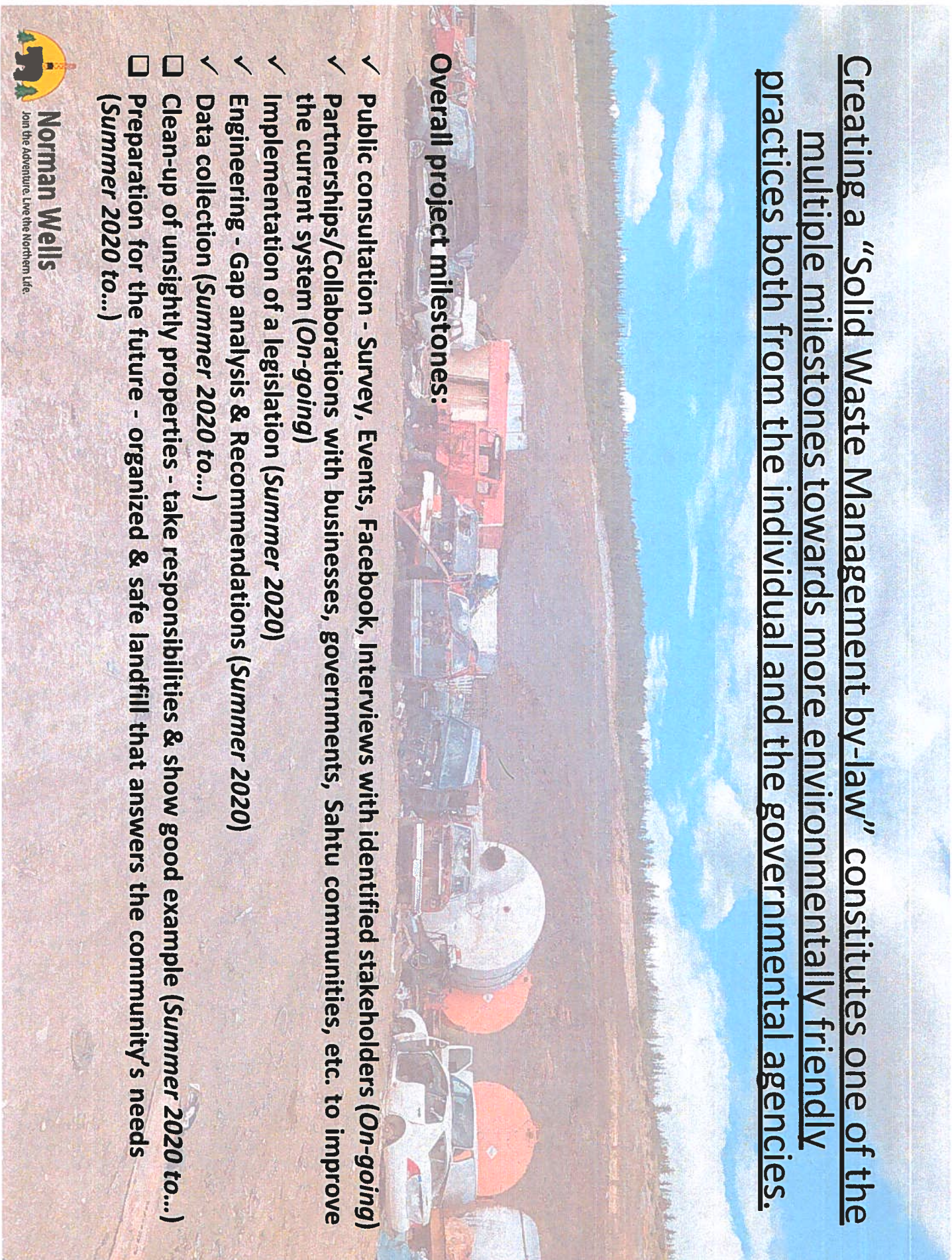
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# OUTLINE

- ☐ Quick Facts
- ☐ Management Options Considered
- ☐ Key Topics
- ☐ Gap Analysis – Assessment of Current State



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Creating a “Solid Waste Management by-law” constitutes one of the multiple milestones towards more environmentally friendly practices both from the individual and the governmental agencies.

**Overall project milestones:**

- ✓ Public consultation - Survey, Events, Facebook, Interviews with identified stakeholders (*On-going*)
- ✓ Partnerships/Collaborations with businesses, governments, Sahtu communities, etc. to improve the current system (*On-going*)
- ✓ Implementation of a legislation (*Summer 2020*)
- ✓ Engineering - Gap analysis & Recommendations (*Summer 2020*)
- ✓ Data collection (*Summer 2020 to...*)
- ☐ Clean-up of unsightly properties - take responsibilities & show good example (*Summer 2020 to...*)
- ☐ Preparation for the future - organized & safe landfill that answers the community's needs (*Summer 2020 to...*)



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# Solid Waste Management is a huge topic for which it is essential to plan and take action.

## Quick facts

**\*SAFETY\*** *Community Safety and Well-being was established as a Council priority in the 2019 Strategic Plan.*

**\*CHALLENGE\*** *Solid Waste Management is a global challenge. It is even more difficult in remote and northern communities due to transportation issues, ground condition, etc.*

**\*HAZARD\*** *The landfill currently contains hazardous material and experienced fires recently.*

**\*DATA\*** *The Town has identified a lack of data over the years on the waste arriving and leaving the landfill.*

**\*SIGNAGE\*** *The current signage at the landfill is not always respected.*

**\*WATER\*** *The Norman Wells solid waste management is regulated at territorial level by the water license provided by the Sahtu Land and Water Board.*

**\*LIFE EXPECTANCY\*** *The Norman Wells landfill is reaching capacity. It is time to decide and organize our next move.*

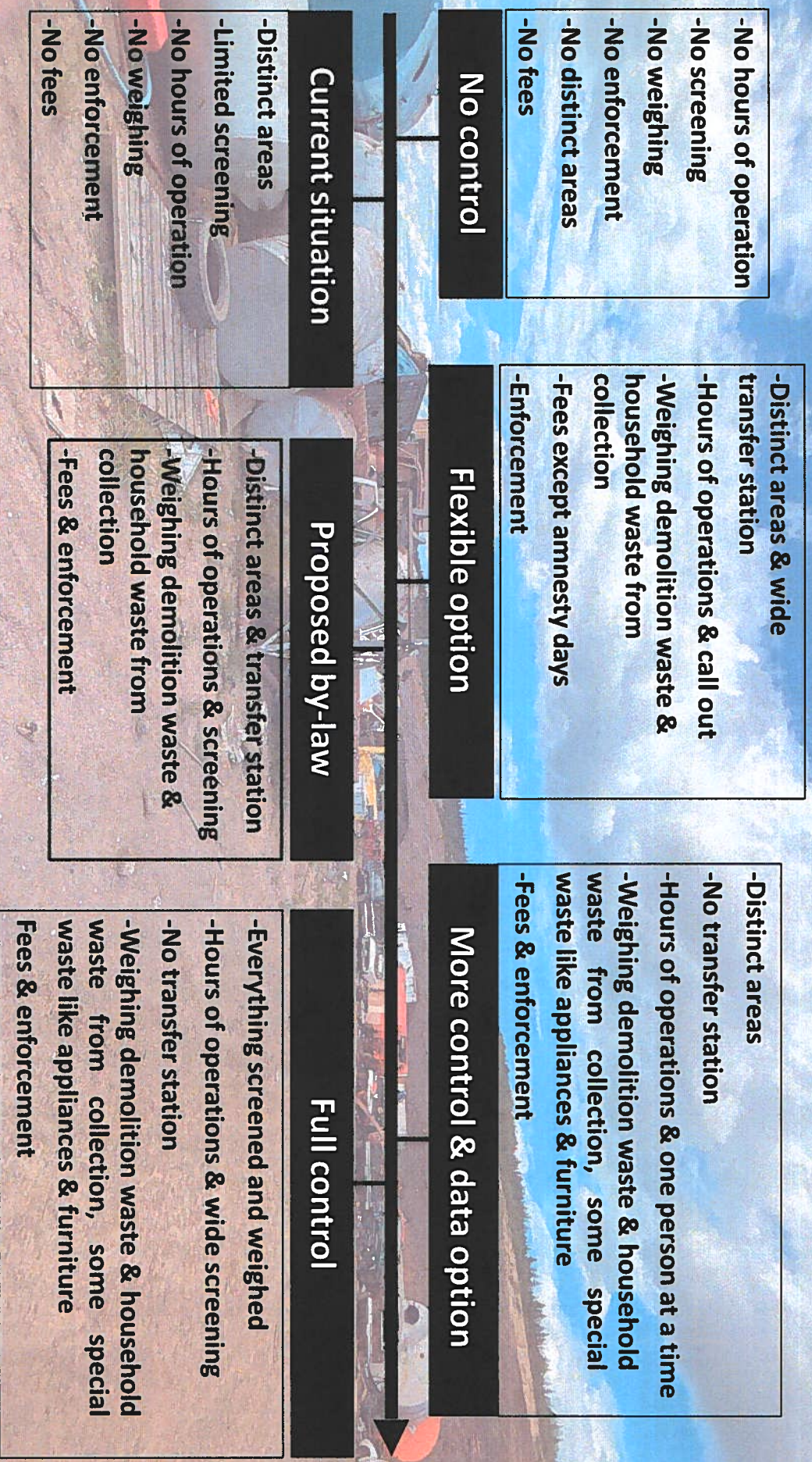
**\*BY-LAW\*** *The only current Town regulation on the topic is Schedule C of the Service Rates by-law (17-09). It provides the right to charge a fee to non-residents for the use of the landfill and to charge a clean-up fee to anybody who would not respect the standard operating procedures at the landfill.*

**\*FUTURE\*** *Norman Wells is currently experiencing an economy transition. The Town is expecting the impact on the landfill to be very high over the next few years because many properties need clean-up/maintenance and because industrial waste requires more space and more processing.*



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# Management Options Considered

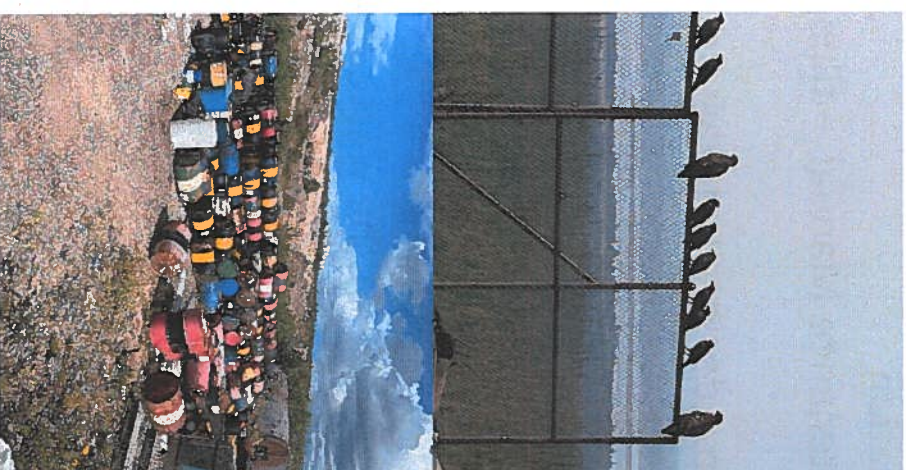
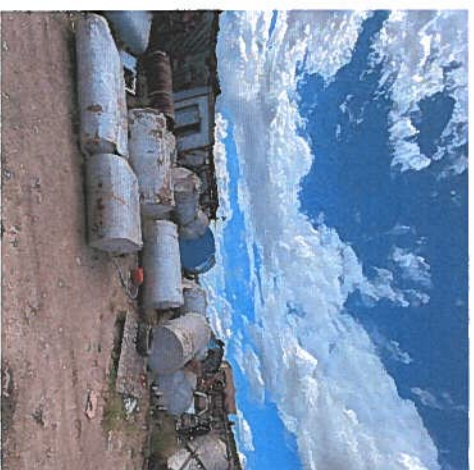
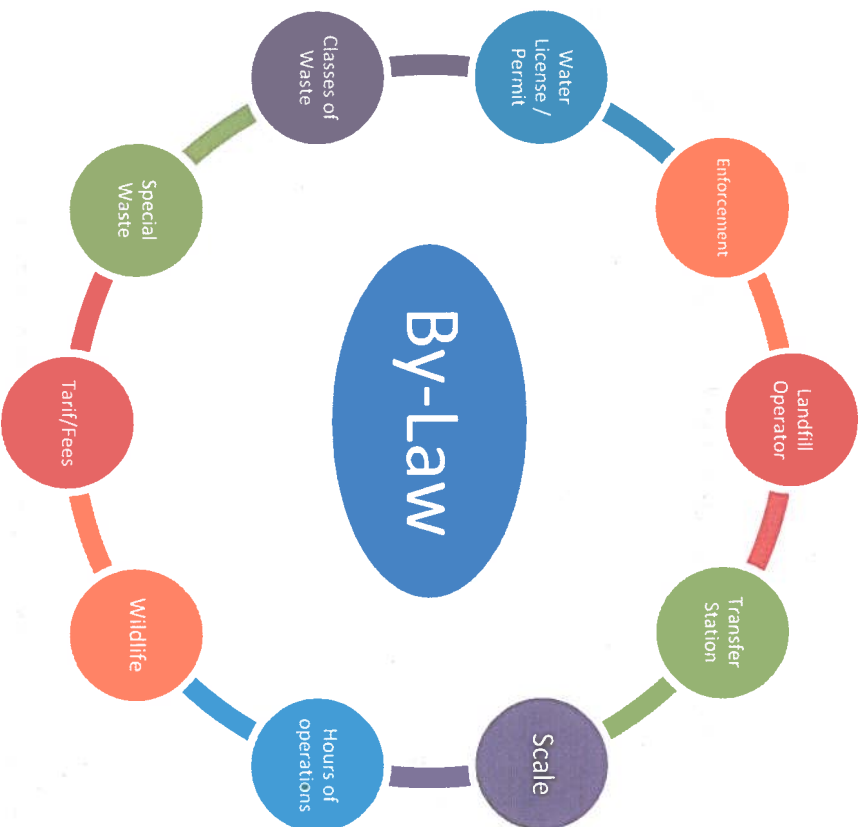


*The objective is to find a fair balance between the essential data collection and control at the landfill and the freedom of all users*



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# KEY TOPICS



## Gap Analysis – Assessment of Current State

Compliance with Regulatory Requirements (Water License/Permit)

- Management of Landfill and Safe Operations
- Resources to support operations
- Site Improvements and controls (Waste layout plan/signage/access/designated and organized waste drop off areas/reuse shelter)
- Community Education
- Operations Maintenance Manual – filling sequence
- Wildlife controls
- Waste layout plan – designated waste drop off areas

Engineering and Landfill Design

- Site grading and Sloping
- Survey controls and layout
- Assessment of landfill capacity
  - existing use and life of the waste disposal site
  - Initiate discussion regarding longer term options (expansion / innovative options)



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# Phased Approach – By Law Roll Out

## By Law Roll Out – Key Areas High level summary

- Landfill Operator
  - PROCESS For Users:
    - Residents
    - Businesses:
  - Waste Collection:
  - Waste Transportation
  - Wildlife Management
  - Transfer Station
  - TAGS / Fees
  - Hours of Operations
  - Waste
    - Special Waste
    - Hazardous Waste
    - Unaccepted Waste
  - Enforcement
- Schedule:**
- Phased approach By Law

# **Future Outlook**

Waste layout Plan

Future outlook

Authorities – Responsibilities: PWManager, Solid Waste Disposal Facility Contractor/Operator

Definitions: SPECIAL WASTE, HAZ WASTE,

WATER LICENCE PERMIT: WHAT's Accepted and not....

PROCESS For Users:

Residents

Businesses:

TAGS / Cost

Hours of Operations

Restrictions

Wildlife Management

By-Law:

Waste Collection:

Waste Transportation

Fees and Charges

Special Waste

On Site Regulations

Enforcement

Appeal

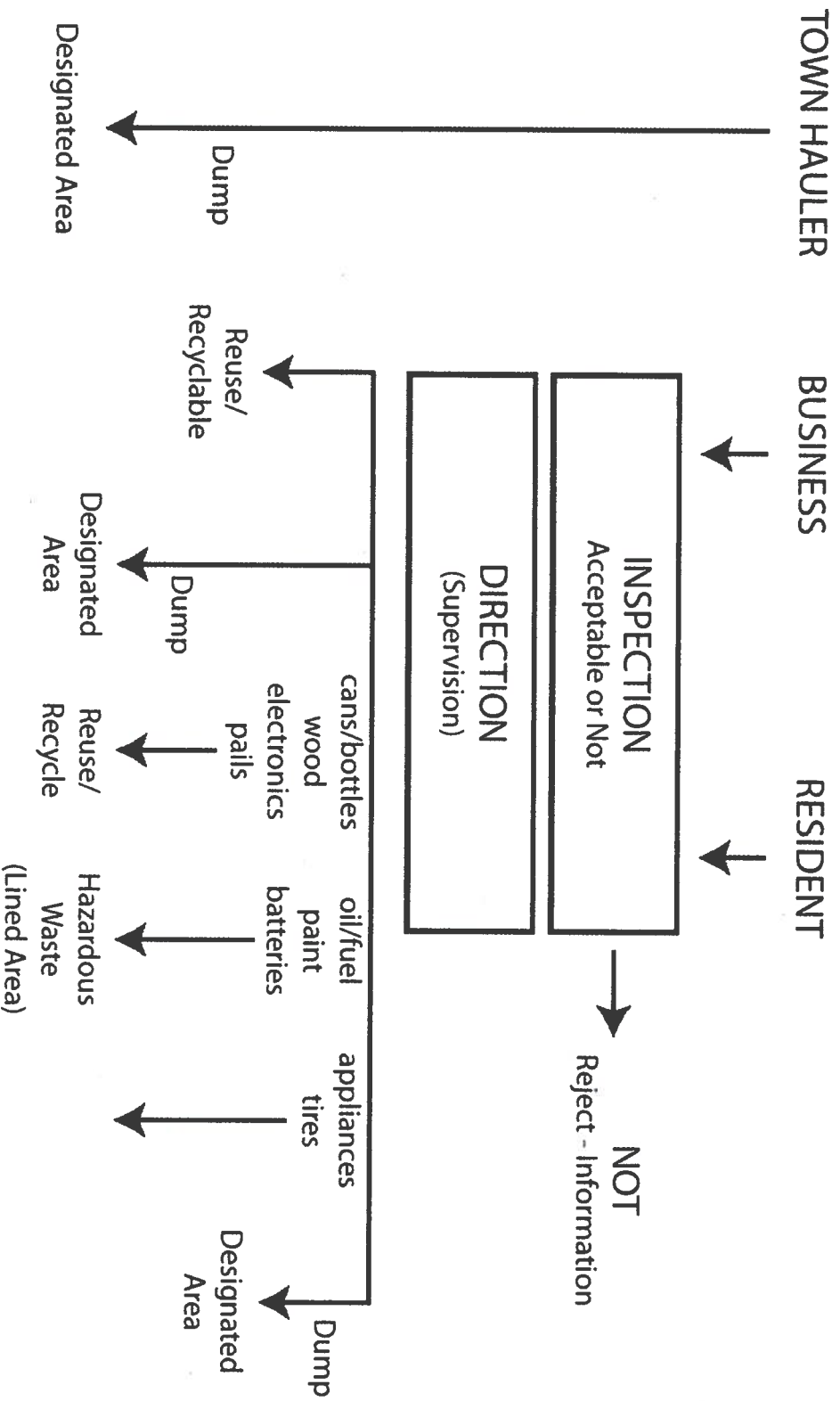
Phased Approach – Roll out of the By law  
Site Improvements:

Longer Terms

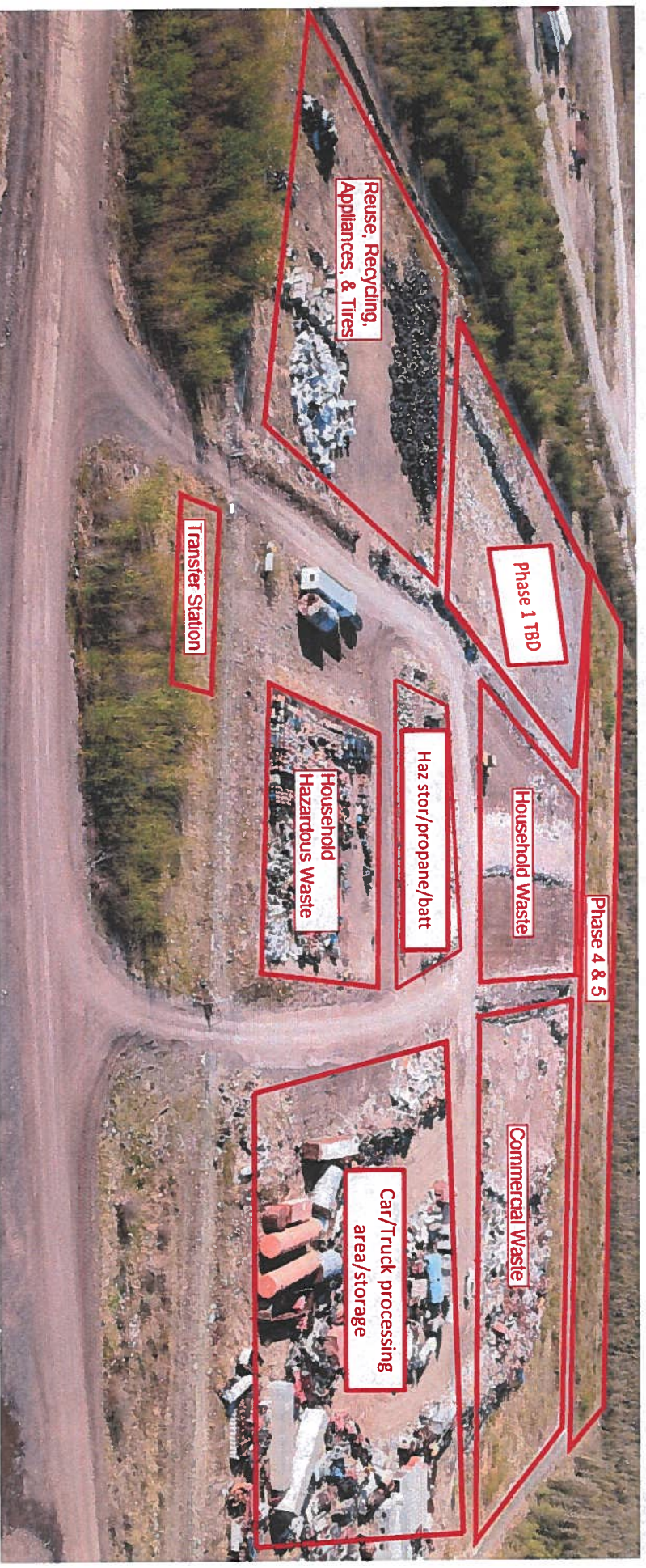


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# Waste Diversion Process



# Waste Layout Plan



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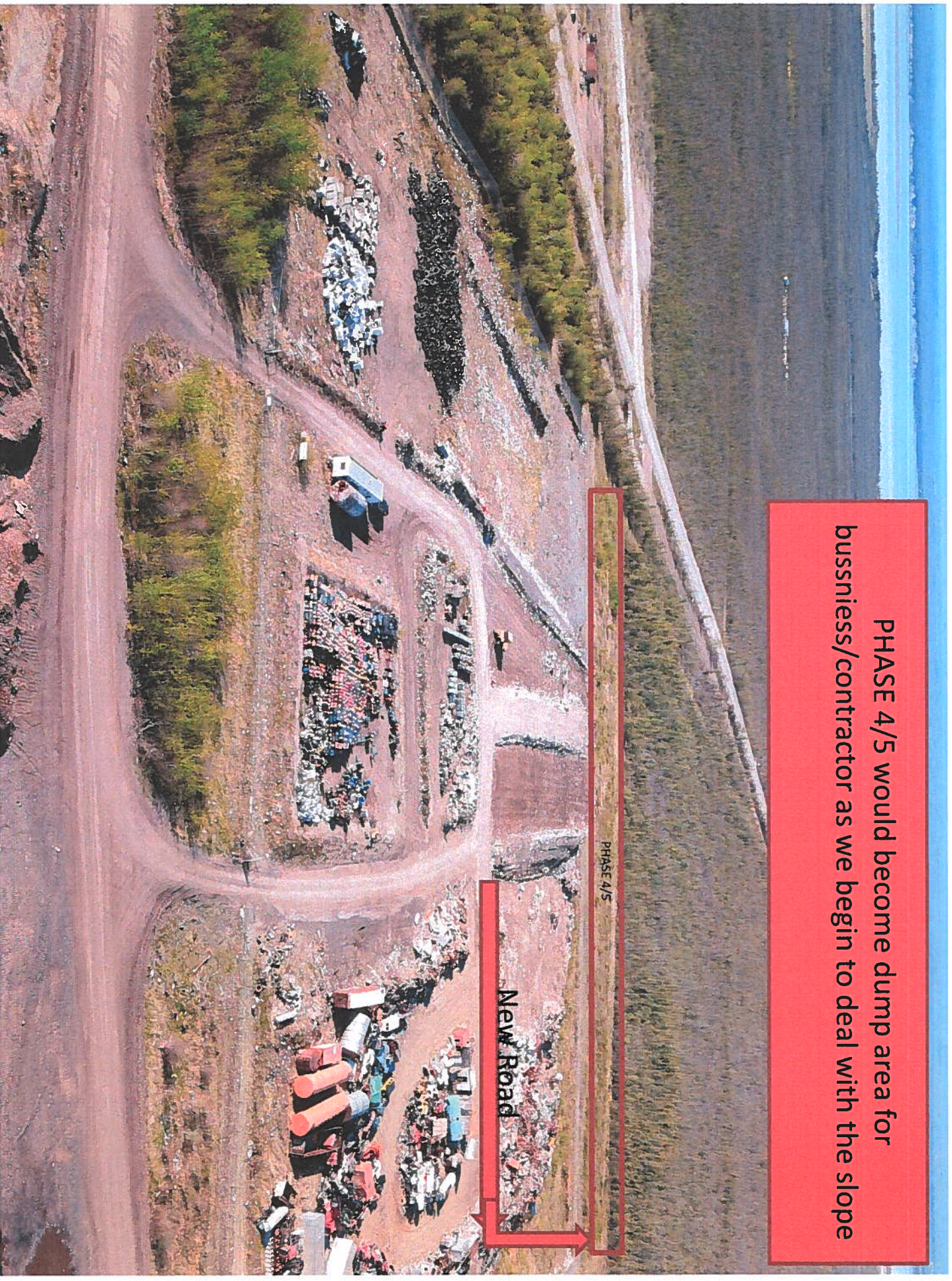




PHASE 4/5 would become dump area for  
bussniess/contractor as we begin to deal with the slope

PHASE 4/5

New Road



STORAGE FOR RECYCLING

Other recyclables  
and appliances  
staging area and  
processing

Re-usable item  
drop off

# END OF PRESENTATION QUESTIONS AND COMMENTS



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