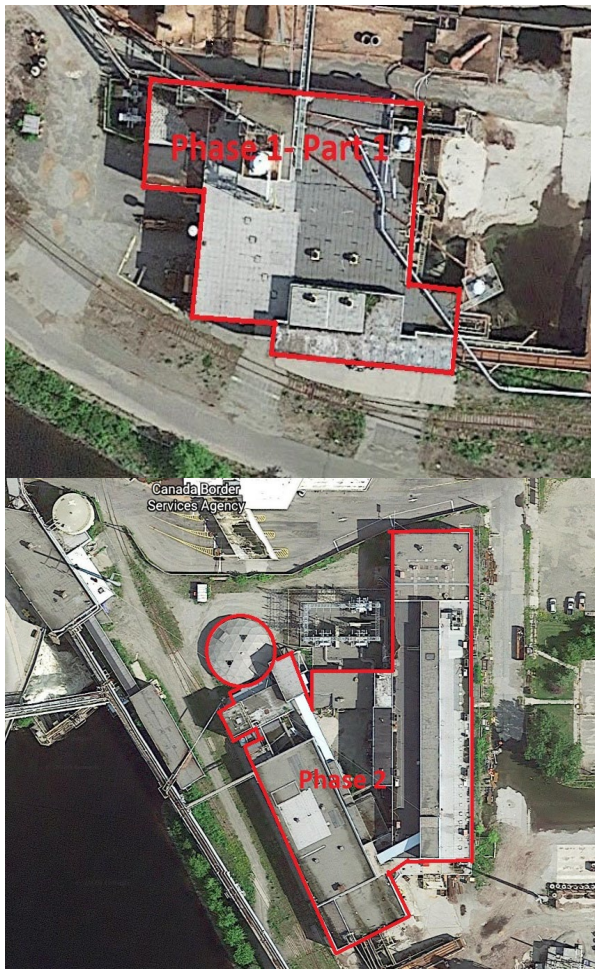
Canadian National Demolition
Storm Water Management Plan (Interim Phase)
– Fort Francis Demolition of Paper Mill



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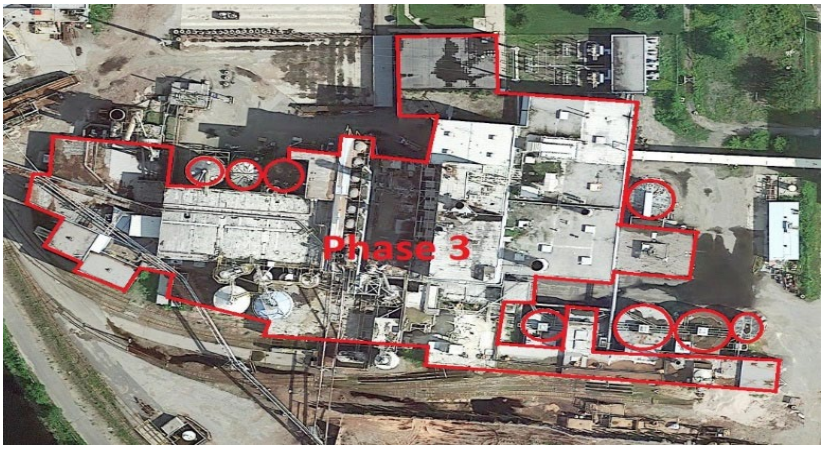

GENERAL OUTLINE

- "Interim Phase" is defined as the period during the three phases of demolition, and the period after demolition until a new storm water management system for the redevelopment is implemented
- The storm water management during the demolition shall be carried out in conformance with the Amended Environmental Compliance Approval (#8782-9QSLUX) issued by the Ministry of Environment and Climate Change
- With the additions of new measures outlined in this plan, the existing storm water management system is to remain functional for the duration of the interim phase
- The demolition is sub-divided into three phases. The plan outlines purposed measures for each phase of the demolition in order to effectively manage storm water and run off
- Phase 1 Part 1
    - Existing system
        - Water from roof drains is collected into a collection area inside of the building. The water is then pumped out to the Kraft Mill Collection Point
    - Interim System
        - After the building's superstructure is demolished, the pipe directing water collected from the roof drains of the building to the Kraft Building will be decommissioned and capped at slab level
- Phase 1 Part 2
    - Existing System

        - A holding tank known as the “alligator pit” located inside the building collects water from the entire Kraft Mill side and Paper Mill side and pumps water to the clarifier.
        - When bypass gates on the powerhouse dam are open, water seeps in from the river through the building into a small containment area. The water is then pumped back into the river
    - Interim System
        - All drains will be capped at slab level
- Phase 2
    - Existing System
        - Water from roof drains are collected into a collection area inside of the buildings (Woodroom) The water is then pumped out to the Lap building
    - Interim System
        - After the buildings super structure is demolished. The pipe directing water collected from the roof drains will be capped at slab level
- Phase 3-**If applicable**
    - Existing System
        - Water coming from the Bio-mass Building is collected at the north-east corner of the buildings
        - The water is then directed to the Kraft Mill Effluent Pit (located outside of the demolition footprint through the floor drains
        - Water collected from the buildings roof drains is also directed to the Kraft Mill Effluent Pit
        - The water in the Effluent Pit is then pumped to the Lap Building
    - Interim System
        - Prior to starting demolition, water from the Bio-mass Building will be taken by a pipe to the Kraft Mill Effluent Pit
        - After the buildings super structure is demolished, the drains will be capped at slab level
- In the event that contaminated soil is encountered and identified, the following steps should be taken
    - The potentially contaminated soil is stock piled on plastic sheeting or in a steel bin for off-site disposal
    - Cover all soil stock pile to protect from precipitation and to prevent dispersion by wind

  - Stockpile soils until the soil verification laboratory data are provided by environmental consultant retained by the owner, indicating disposal requirements. Results from the laboratory shall be provided within one week of sample submission
  - Direct loading of excavated soil after approval of the environmental consultant and is conducted under the supervision of the consultant
  - Transport contaminated soil to disposal facility using a licenced MOECP hauler
  - Ensure trucks hauling contaminated soils are covered
  - Arrange off-site disposal of contaminated soil at an MOECP licenced facility
  - Obtain waybill from licenced facility for each load of soil disposed of and provide to the owner and stakeholders within 15 days of completing soil removal
- In the event of any storm water accumulation or the potential risk of water being discharged to the river, Canadian National Demolition will ensure to have straw bale barriers and silt fencing on site and available for installation to prevent occurrence. Canadian Nation Demolition will have equipment available to facilitate the installation as required
- Sketches outlining existing and interim stages are presented on next pages

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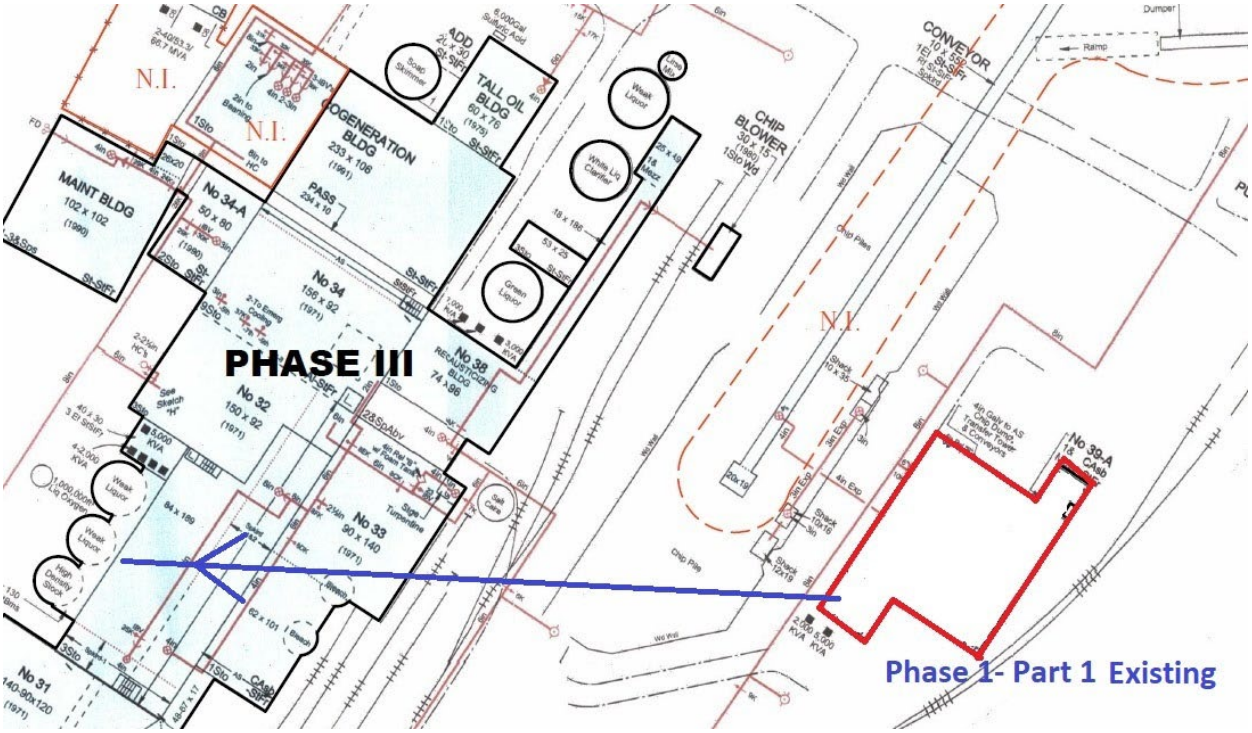

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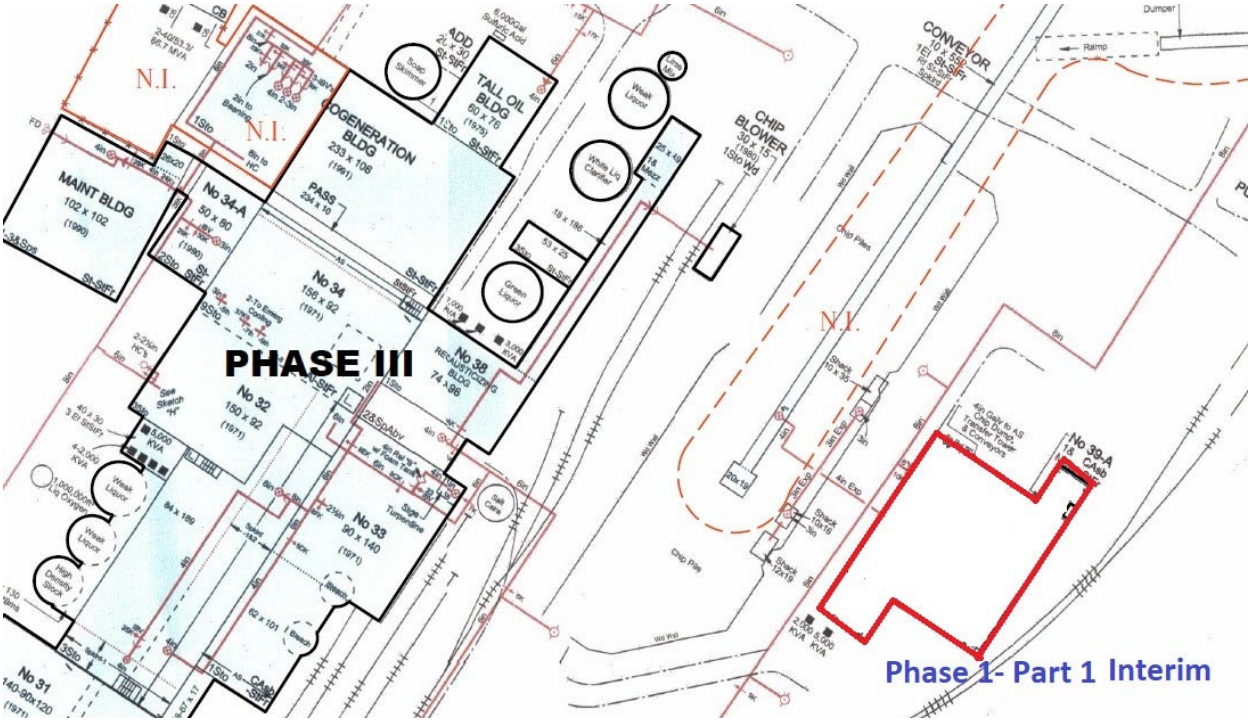

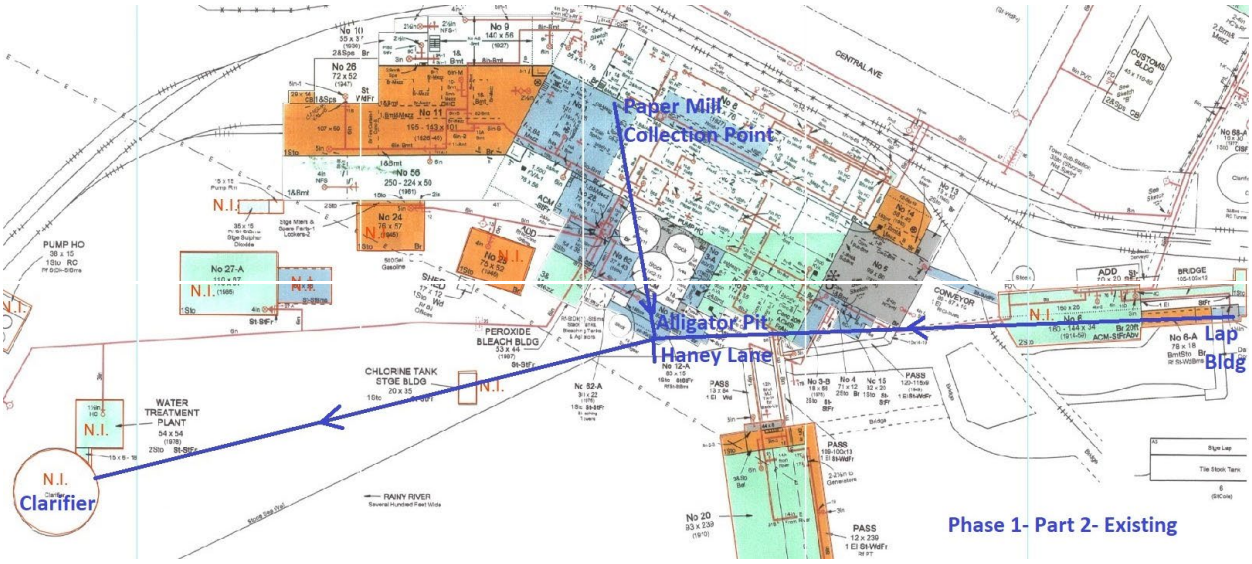

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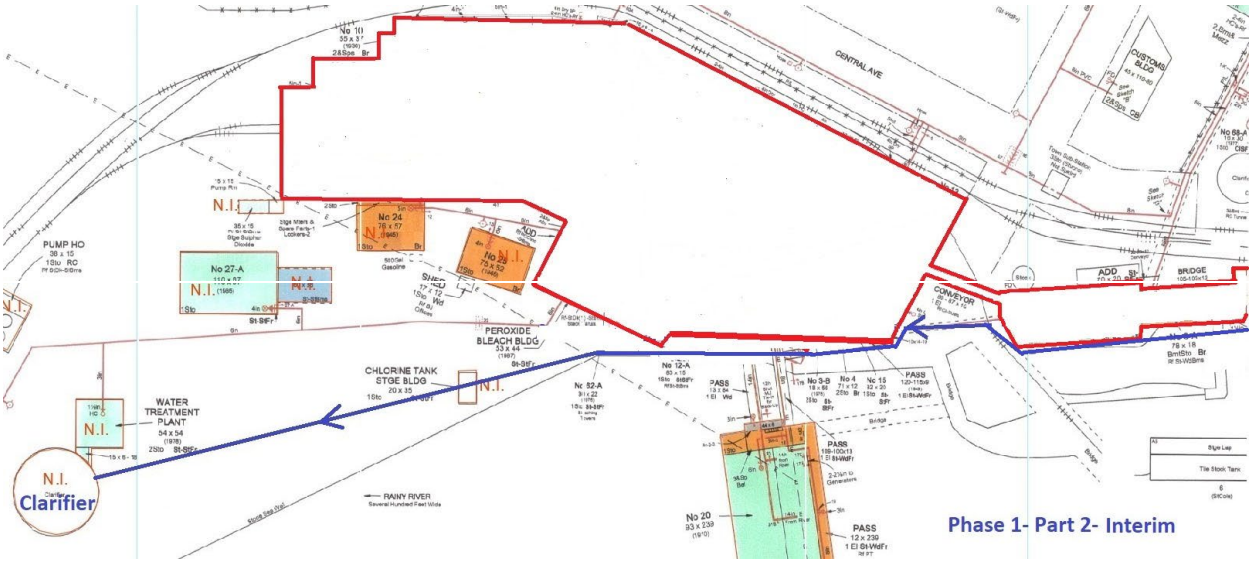

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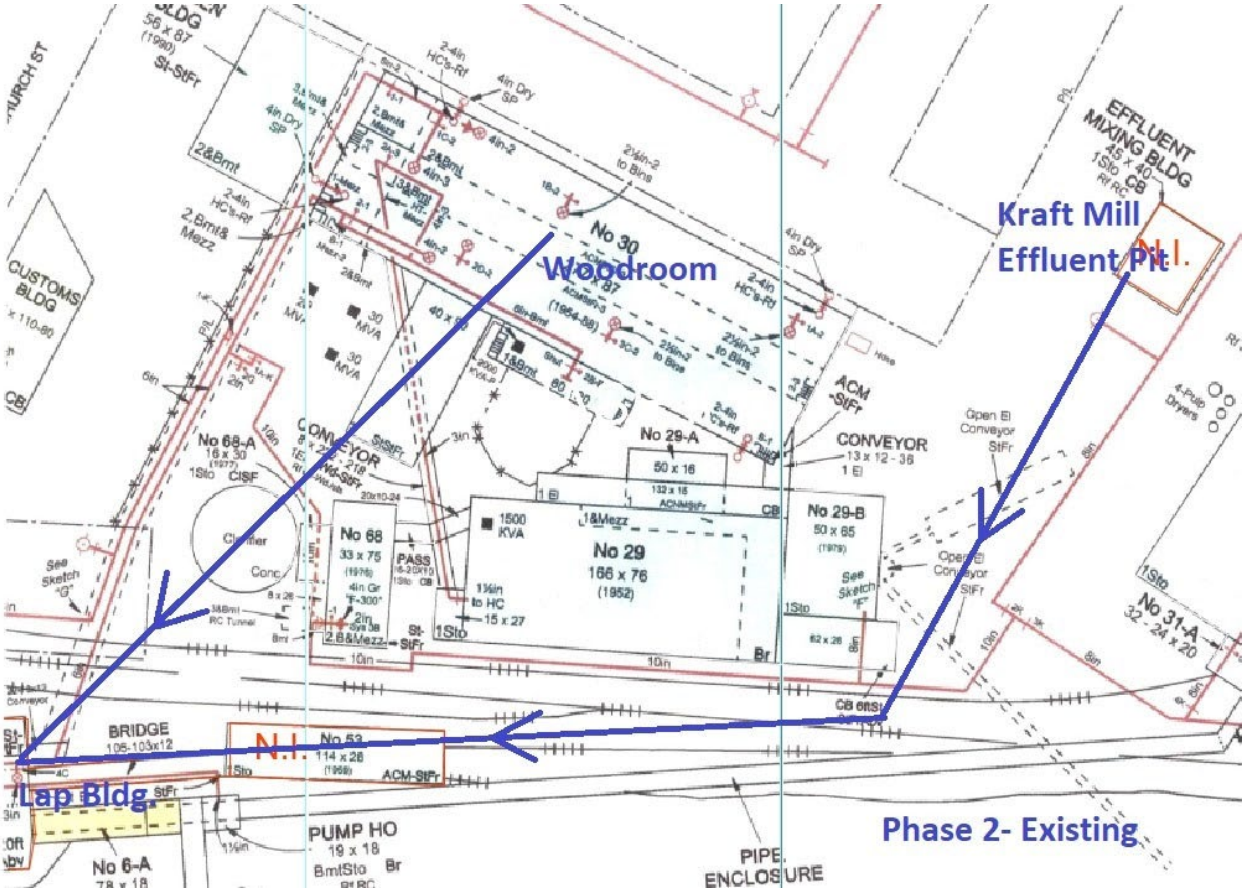

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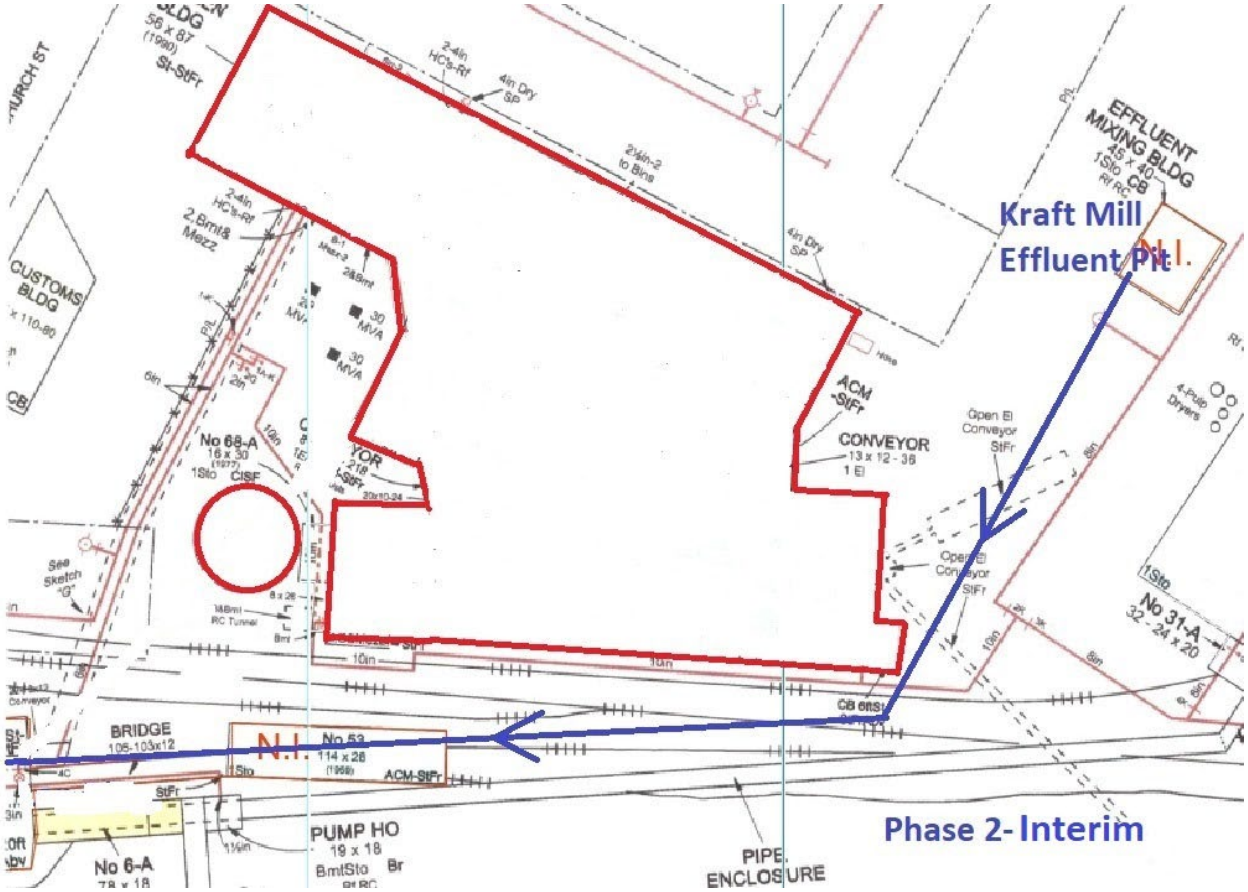

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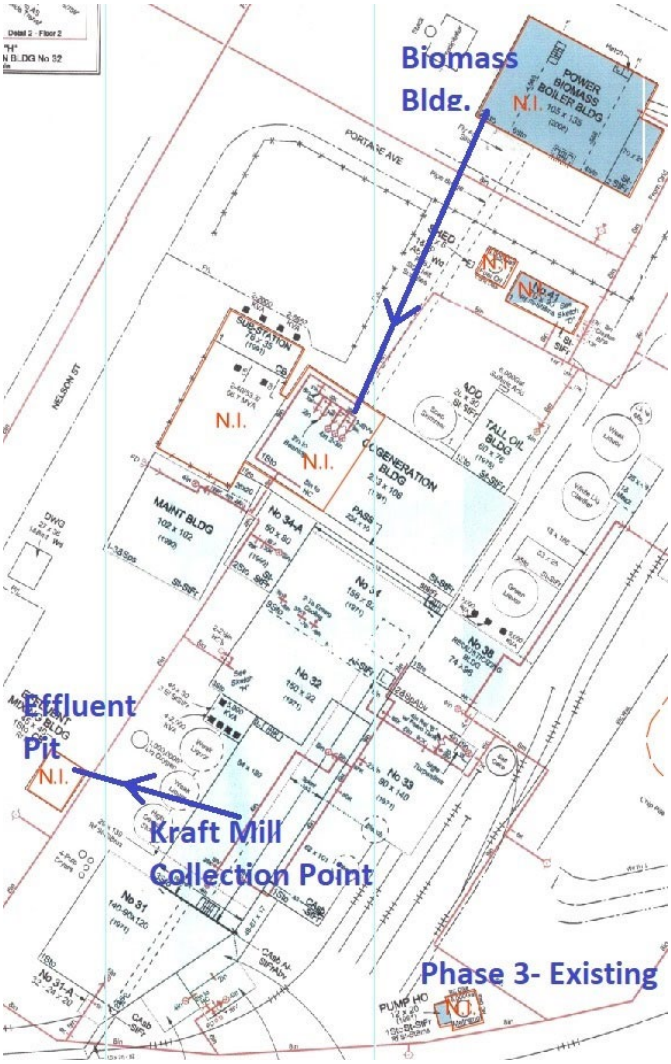
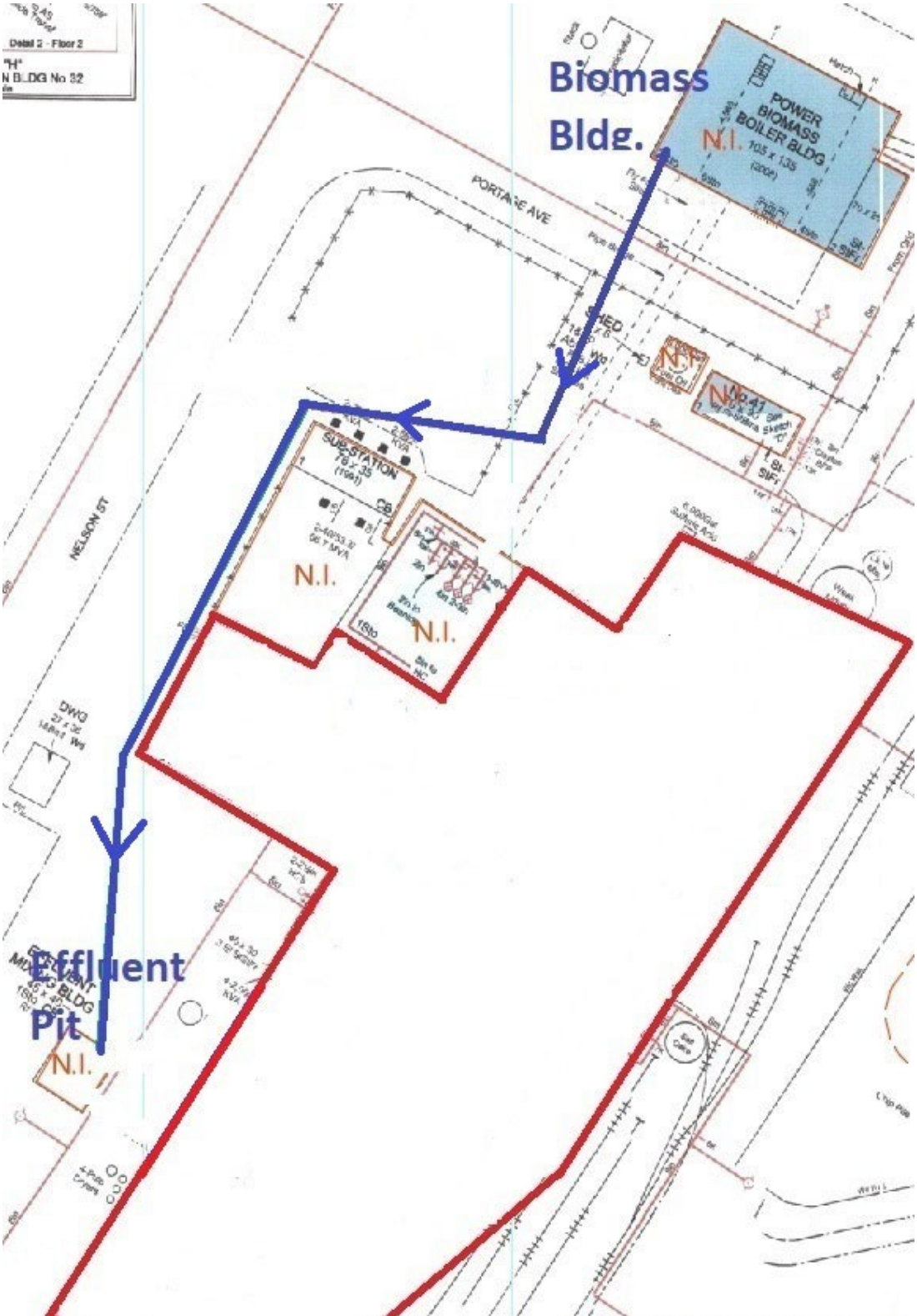
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