

**General Notes**

1. Environmental protection measures and procedures shall be as per MOE environmental guidelines. Also the following mitigation measures will be implemented to protect water quality and fish habitat within the project site:
2. Erosion and sediment control measures must be in place prior to the commencement of any construction activities, be maintained throughout construction, and remain in place until all disturbed areas are fully stabilized.
3. All activities, including maintenance procedures, shall be controlled to prevent the entry of petroleum products, debris, rubble, concrete or other deleterious substances into watercourse.
4. Contractor must maintain positive drainage at all times. Drainage must not be directed off-site unless indicated on the plans.
5. The contractor must not remove or adjust any fences, nor enter adjacent properties without the approval of the engineer.
6. All work shall be completed in accordance with the current "occupational health and safety act and regulations for construction projects". The general contractor shall be deemed to be the constructor as defined in the act.

**Construction Notes**

7. All area grading and resulting drainage patterns shall not adversely affect adjacent lands.
8. No alterations to existing boundary elevations or adjacent lands shall be undertaken
9. All soil piles to be sodded.

**Erosion Control Notes**

1. All silt fencing to be installed prior to commencement of any area grading, excavating, or demolition.
2. Erosion control fencing to be placed around the base of all stockpiles.
3. Erosion control facilities to be monitored regularly by Owners

- Representatives and any damage repaired immediately. Sediments to be removed when accumulations reach a maximum of one third (1/3) the height of the silt fence.
4. The Contractor is responsible for removing sediments from the municipal roadway and sidewalks at the end of each work day.
  5. Mud mats of diameter 150mm rip rap, (12 meters long, 6 meters wide, 300mm deep) shall be provided on site construction entrances. Contractor to ensure all vehicles leave the site via the mud mat and that the mat is maintained in a manner to maximize its effectiveness at all times.
  6. For dust control, on site vehicle speed should not exceed 10km/hr, and contractor to provide necessary means to wet the site roads and exposed areas.

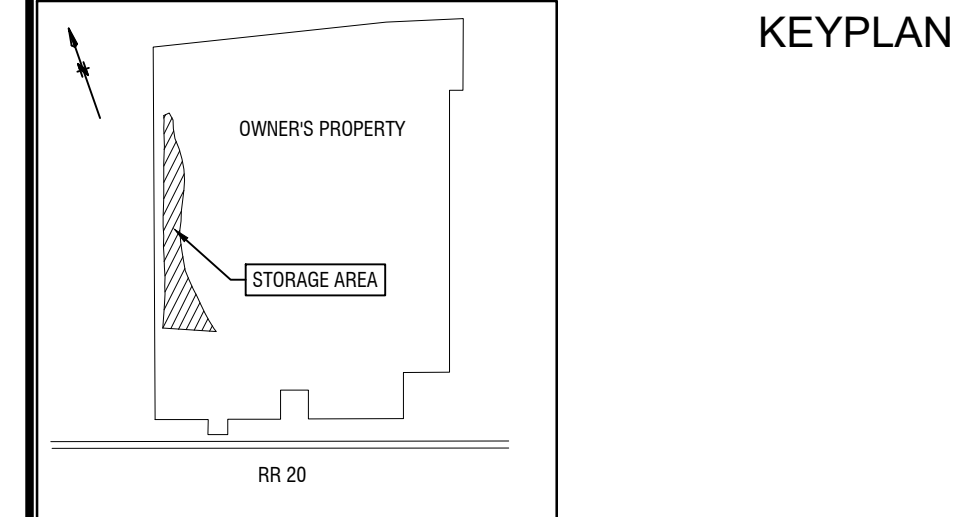
**Temporary Sediment & Erosion Control Basin Design Notes**

- Design requirements:
1. Proposed storage area is 0.81 ha;
  2. Required sediment control basin rate to be 125m³/ha;
  3. Fore bay to be 20% of the total volume;
  4. Length /Width ratio: 4:1
  5. Required temporary sediment & erosion control basin volume to be 101 m³.

- Proposed temporary basin:
6. Top dimension: 28m x 7m
  7. Permanent pool depth: 1.0m
  4. Free board: 0.3m
  5. Volume provided: 109 m³

**References**

1. Ontario Environmental Protection Act Ontario Regulation 153/04
2. Stormwater Management Planning and Design Manual (2003) MOE
3. Erosion & Sediment Control Guidelines For Urban Construction (December 2006) MOE



REV.	DATE	DESCRIPTION	BY
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5			
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1			
0	2024/04/24	FOR SITE ALTERATION PERMIT	FS

BENCHMARK  
ELEVATION ARE DERIVED FROM BENCHMARK #00819708834, HAVING AN ELEVATION OF 204.860m (CGVD 1928, 1978 ADJUSTMENT)

DESCRIPTION:  
HAMILTON-WENTWORTH - 1-1/2 STOREY STUCCO HOUSE ON NORTH SIDE OF HWY 20, 3.8 KM WEST OF JCT OF HWY 20 AND SOUTH GRINSEY RD 18 IN THE HAMLET OF FLETON, 71.9 M WEST OF GLANBROOK W LINCOLN TOWNSHIP RD AND 25.3 M NORTH OF CENTRELINE OF HWY 20. T ABLET IS SET HORIZONTALLY IN EAST FACE OF CONCRETE FOUNDATION, 2.04 M NORTH OF S.E. CORNER, AND 34CM BELOW STUCCOWORK.

