CONDELAND

CONSULTING ENGINEERS & PROJECT MANAGERS

SINCE 1993

CONSTRUCTION MANAGEMENT PLAN

IN SUPPORT OF

PROPOSED RESIDENTIAL TOWNHOUSE DEVELOPMENT

2312390 ONTARIO Ltd.

LOCATED AT

159 Confederation Street

TOWN OF HALTON HILLS

REGIONAL MUNICIPALITY OF HALTON

September 5, 2024

C.E. FILE: 12-031

350 CREDITSTONE ROAD, UNIT 200
CONCORD, ONTARIO L4K 3Z2

TELEPHONE: (905) 695-2096
FAX: (905) 695-2099

TABLE OF CONTENTS

1.0. Introduction

The site is located at 159 Confederation Street, within the Town of Halton Hills. It is bordered by Credit River and Tweedle Street to the north, Bennett Place to the east, Bishop Court to the west, and Confederation Street to the south. Currently, the site is vacant and predominantly covered with trees and grass. The total land area encompasses approximately 12.33 hectares. Of this area, 8.01 hectares is designated for development, which includes plans for 81 townhome residential units and one single detached unit. For detailed information on the site layout and its location, please refer to Appendix 'A', which includes the site plan and key location map.

1.1. Statement of Project Purpose and Objectives

The purpose of the Construction Management Report (CMR) is to address the detailed procedures, sequencing and construction methodology anticipated by the project team engaged in the planning, liaison, and construction of the project. This report in conjunction with the approved Engineering Plans, outlines proposals on traffic and environmental management measures to be adopted during construction and provides guidelines on construction related issues. Throughout the project development, approval, detailed design, construction and operation phases of the project, construction methods will be carefully developed to avoid, remedy or mitigate adverse environmental effects using best practice techniques.

The CMP has been developed in response to the identification of actual and potential adverse effects during the technical assessment and preliminary design phases of the project. The CMP will continue to evolve as more detail is developed relating to construction and monitoring activities.

The overall objectives of this CMR are:

- provide guidance on environmental management for construction activities; and
- avoid, remedy or mitigate any adverse environmental effects associated with construction activities.

The primary goals of this CMR are:

- describe the program for construction of each element;
- describe what actions will be taken to manage and avoid or reduce the risk of adverse environmental effects during construction;
- provide a list of key positions and points of contact during construction; and
- describe how stakeholders will be kept informed during construction and how issues will be managed.

1.2. Scope of the Project

Construction activities can be broken down into two separate locations:

- Confederation Street external sanitary sewer works.
  a) Approximately 420m of sanitary sewer works on Confederation St.
- Townhouses development including stormwater management tank.
  a) Placing Erosion and Sedimentation controls, including sedimentation traps, stripping of topsoil and stockpile on site, cut/fill earthwork operation and servicing of 81 townhome residential units and one single detached unit including storm and sanitary sewer, watermain and underground storage tank.

2.0. Construction Schedule and Implementation

The following table provides a brief outline of our anticipated construction schedule. Please note that these dates represent our best estimate at the time of authoring this plan and are to provide a general guidance for the overall timing of construction activities. Specific activities and their associated schedules will be reviewed throughout the construction process. The anticipated schedule is as follows:

Table 2.0 – Construction Schedule

CONSTRUCTION ACTIVITY	ESTIMATED DURATION	ANTICIPATED START	ANTICIPATED COMPLETION
External Sanitary Sewer Works			
Erosion & Sediment Control	4 days	(TBD)	(TBD)
Underground Servicing and Road Restoration	4 weeks	(TBD)	(TBD)
Residential Townhouses 2312390 Ontario Ltd.			
Erosion & Sediment Control	1 week	(TBD)	(TBD)
Bulk Earthworks	6 weeks	(TBD)	(TBD)
Underground Servicing and Base Road Building	2.5 months	(TBD)	(TBD)
Utility Installation	(TBD)	(TBD)	(TBD)
Home Construction	(TBD)	(TBD)	(TBD)
Resident Occupancy	(TBD)	(TBD)	(TBD)

2.1. Implementation

- The general contractor will assume the responsibility of ordering and placing all signage and pavement markings as required for traffic control and traffic

notification in accordance with requirements of the Ontario Traffic Manual book 7. The general contractor will keep the consultant apprised of any changes to the construction schedule as it relates to the construction impact mitigation plan.

- Traffic Management plans for the works on Confederation Street will be will be provided in detail on the drawings in the next stage.
- As the project progresses, any potential pedestrian safety issues that arise will be addressed through signage or circulation plan modifications. Upon completion of the project all affected areas will be restored to pre-construction condition of the facilities and/or in accordance with the approved site development plans.
- Condeland Engineering Ltd. will be the point of contact for the Town of Halton Hills and the public. The consultant will oversee the implementation of this plan by the general contractor.
- Construction access to the residential townhouses will be limited to Confederation Street only.
- The consultant and general contractor will ensure that community mailboxes will remain accessible throughout the construction program.
- Public utilities such as gas, hydro, cable and phone will be required on-site during construction to monitor their specific utilities. General contractor and consultant will notify utilities regarding pending construction as necessary.
- No temporary road closures are required at this time. Transit service disruptions are not expected for this stage of construction.
- No temporary road closures are required at this time. Emergency service disruptions are not expected.

2.1.1 Erosion and Sedimentation Control Staging (ESC)

- **Double Siltation Control Fence:** A double siltation control fence with straw bales will be installed along the entire perimeter of the development lands, including adjacent properties and the Valley. This fencing will manage runoff

quality and localize intense erosion and sedimentation areas. The silt fencing will remain in place until sediment migration is no longer a concern.

- **Construction Access Mud-Mat:** A mud-mat will be installed at construction access points to minimize the transfer of on-site soils onto existing municipal roads, thereby limiting mud-tracking.
- **Filter Fabric for Catch-Basins:** Filter fabric will be wrapped around all proposed catch-basins and rear-lot catch-basin lids as per the approved details. These catch-basins will be constructed with 0.60-meter sumps to collect salt, sand, silt, and other debris from winter road maintenance, preventing them from entering the storm conveyance system. Refer to Appendix 'B' for details on the Erosion and Sedimentation Control Plan Stage I.
- **Sedimentation Traps:** Two sedimentation traps will be installed—one in the north for tributary area (A1) and another in the south for tributary area (A2). These traps will function as end-of-pipe controls to detain runoff from a 2-year pre-development storm event, allowing most soil particles to settle. For further details, refer to the Erosion and Sediment Control Plan Stage 1.
- **Interceptor Swales and Rock Check Dams:** Temporary grading will create interceptor swales to collect and convey runoff away from unprotected or disturbed slopes, directing it to downstream sediment traps. Swales will be placed along the site perimeter and internal lots, integrated with Rock Check Dams. These dams, made of granular material, will be placed temporarily across the swales to reduce runoff velocity and erosion.
- **Earthworks:** The remaining earthworks, including cutting and filling, will be completed. All earthworks, filling, and grading activities will be monitored by the Geotechnical Engineer and Civil Consultant.
- **Stage 2 ESC Measures:** During the servicing and base roadworks construction, Stage 2 ESC measures will be implemented. Cutoff swales will be intercepted and diverted to temporary storm service laterals to maintain and control surface drainage. These works will be inspected by the Civil Consultant.

- **Additional Temporary Storm Service Laterals:** Temporary storm service laterals will be installed as needed to manage surface drainage effectively.

3.0. Site Conditions

All parties employed to work at the project site will use their best efforts to minimize disruption to local traffic caused by the site access and routing. Site staff will ensure that surrounding roadways and driveways are not blocked by parties working at the site or any parties delivering materials to, or removing materials from, the site. All loading and unloading shall take place within the site's boundary.

Due to the limited access route to the subject site, the construction truck route to and from the site is restricted exclusively to Confederation Street. Since Confederation Street is surrounded by residential homes, all construction traffic must strictly follow the speed limit. To ensure the speed limit is followed, signage will be placed at the exit points of the site indicating turning movements and the strict enforcement of speed limit.

4.0. Truck Loading Points and Trailer Parking

- The location of truck loading points will be completely within the boundary of the site. furthermore, to promote efficiency and reduce idling time, loading points will be located near the work for which they are employed to complete. Drawing 12-031-10 provides locations for the Construction Staging Area and Personnel Area (Construction Trailers, Workers Parking Area)
- All material delivered to the project will be stored within the property limits. No material will be stored on existing public right of ways.
- Trailer parking will remain within the boundaries of the site to limit disturbance to the surrounding homes and be located in an area where it is not in conflict with proposed works. During earthworks, a site trailer is not required and will not be brought out to the site. Once servicing works commence, a trailer will be brought to the site. The location will be determined closer to the start time of this component of the work. The location will be within the boundaries of the site and

will be placed as to avoid any conflicts with the proposed work prior to the start of house construction; a separate trailer will be brought out to the site to replace the trailer used during servicing. Again, this trailer location will be determined closer to the start date of house construction.

- Confederation Street is a residential road and there will be no parking allowed for the construction trades or construction supervisors/inspectors on the adjacent residential Streets or along Confederation Street. Furthermore, employee/construction vehicle parking will remain within the boundaries of the site as much as possible to limit disturbance to the surrounding community. All vehicles parked illegally will be subject to either ticketing or towing, as mandated by the appropriate municipal by-laws. Ann Street is a narrow residential road and in order to limit disturbance to the surrounding community, construction trades, employee or construction vehicles are required to park within site limits.
- Throughout the site preparation and bulk earthworks stage, as well as underground servicing and road building, parking will be provided on-site, near the construction entrance. Therefore the developer will be responsible to construct a parking lot inside the property to the satisfaction of the Town. The developer or its agents will be responsible for all design, approvals and construction costs associated with the creation of this parking lot.
- All construction trades and construction and construction supervisors/external consultants/inspectors will be required to park their personal vehicles/company vehicles in the parking lot located inside the property. The developer or its agents will be responsible for summer and winter maintenance requirements for the parking lot during the time period associated with the construction project.
- No construction traffic shall be permitted to queue on Confederation Street beyond the demarcated delivery zone.

5.0. Contractor Office

The contractor will provide a construction office or a portable trailer that can be used for the purposes of a construction office and/or the temporary placement of a secure and enclosed roll off container for the purposes of storing construction trades tools and hand equipment.

6.0. Site Containment

The site will be monitored by the developer through its agents or employee's and shall only terminate once the site has been stabilized to the Town's satisfaction. All deficiencies noted during any inspection shall be recorded and rectified within two calendar days. Details of site containment are found on Drawing 12-031-10 Erosion and Control Sediment plan.

Heavy duty silt fences will be installed to enclose the entire site perimeter in accordance with the Town and region's requirements. The perimeter properties are to be protected via siltation control fence. Regular maintenance and all necessary repairs shall be performed including the safe disposal of all sediment material. Maintenance, which in most cases will require the removal of sediment and the installation of a new device, shall be conducted when the level of performance of the implemented control device is reduced to less than 40% of its initial capacity based on the engineer’s observation.

Various techniques have been included in the project's design to control the quality of runoff and localize the areas of intense erosion and sedimentation, such as:

- temporary cut-off swales - cut-off swales with reduced slope gradients, in order to minimize erosion effects and resulting sediment will be installed and maintained throughout earthworks and servicing works
- Rock check dam - rock check dam is a barrier constructed of well-graded stone consisting of a mixture of rock sizes. Rock check dams can reduce the effective

slope of the channel, thereby reducing the velocity of flowing water, allowing sediment to settle and reducing erosion.

- Silt fencing - used to control the release of any sediment-laden water from the site will be installed. Silt fence is comprised of wire fence fastened to steel posts installed at a maximum spacing of 3.0m centre-to-centre, with Terrafix 270r, or equivalent, filter fabric folded over and securely stapled to the fence. Its installation is completed by anchoring/securing of the filter fabric base into the ground at a minimum depth of 300mm. This silt fencing has been installed and will remain in place until sediment migration is no longer a concern, typically when landscape services are vegetated with proven growth. These silt fences are inspected throughout the project, generally after a rain event to ensure that they remain intact and that their functionality is maintained as intended. Any damaged portions will be repaired back to its originally installed condition.
- Siltsoxx - a sediment-trapping device which uses filter media materials, such as straw and wood-fibre cores, wrapped with synthetic netting. They will be installed along the existing road, such as Confederation Street, where erecting silt fence is not suitable. Siltsoxx can be used for successfully trapping and settling suspended solids with minimal disruption to the existing drainage pattern, hence preventing unnecessary ponding.

An Erosion and Sediment control plans have been prepared for the works and found within the detailed Engineering Plans. Refer to Appendix ‘B’.

Dust will be controlled using a variety of techniques as required based on both conditions of the site and the weather. During earthworks, the site supervisor will assess the dust being generated by site activity. If deemed necessary, a water truck will be deployed to the site to apply water. In some cases, where water trucks cannot be used, we will place calcium chloride as required. If the forecast calls for windy conditions and work is scheduled to occur, a water truck will be deployed to the site.

In situations where mud is tracked onto Confederation Street, a flusher truck or Street sweeper will be dispatched to the site, depending on weather conditions. When material is being exported or imported into the site, the sweeper/flusher will be deployed

towards the end of each working day. At a minimum, the road will be cleaned once a week, and, as otherwise required to ensure a clean road surface that is free of dust, mud and debris. This schedule can be increased if deemed necessary and as earthworks and servicing progresses.

The road shall be maintained in a condition that is deemed acceptable to the Town. The general contractor or site servicing contractor shall be responsible to mobilize the appropriate equipment to ensure the continued cleanliness of the road and all expenses associated with this responsibility will be borne exclusively by the site servicing contractor.

Littering is strictly prohibited throughout the site. Throughout the duration of the project, the contractor and home builders will be diligent in an effort to keep both the site clean and the surrounding areas as well. Throughout the earthworks and servicing portion of the works, labourers on site will be responsible for cleaning up fugitive litter from the site. During house construction, the home builders will be responsible for maintaining site cleanliness, which extends to the adjacent roads (Confederation Street). The site and surrounding areas will be inspected on a weekly basis, and any clean-up required, will be completed at that time.

7.0. Deliveries / Removal of Materials

Removal and disposal of excess topsoil and fill will be required for this project. It should be noted that this material is clean and is not contaminated. All fill movement offsite will follow the traffic requirements as explained as a part of this plan. The cleanliness of the surrounding area during this operation is also referenced in the Section 6 of this plan.

In order to properly co-ordinate the delivery/removal of materials to and from the construction site, the general contractor or earthwork contractor will be responsible to have a personnel member act as a flag person to assist in construction vehicles accessing/exiting the construction site. The completion of these tasks will be consistent with directions issued by the Town.

8.0. Noise By-Law and Working Hours

Consistent with the applicable provision of Town of Halton Hills By-law 2010-0030, no construction activity, which includes the delivery/removal of materials or equipment, is permitted on-site on Sundays or Statutory Holidays. Construction activity is only allowed during the period extending from Monday to Friday, between the hours of 7:00 hours and 19:00 hours (7 am to 7 pm).
8:00 am to 6:00 pm Saturdays.

9.0. Emissions

Emissions during construction will consist of light, dust and fumes. The site will be generally unlit at night. In poor light conditions during normal working hours and when 24 hour operations (if approved) are being undertaken, temporary lighting units powered by portable generators will be used where necessary to ensure safe working and/or site security. They will be positioned in such a way as to minimize glare to residents, motorists and wildlife.
Most machinery used on site will be powered by diesel engines. In order to control the emission of excessive exhaust fumes and smoke, contractors will ensure that all vehicles and items of plant and equipment are correctly adjusted and maintained.
Inevitably a certain amount of dust will be produced during dry weather conditions. However, every effort will be made to keep this to a minimum. Vehicle speeds will be restricted on site to minimize dust generation. Where appropriate, water will be sprayed onto the surface to dampen the surface and thereby reduce dust generation. Water may be extracted from site settlement lagoons for this use, but not from watercourses. Precautions will be taken to minimize the deposit of mud and dust on the roads, but this cannot be avoided completely. Any such deposits will be removed regularly using road brushes and vacuum road sweepers.

10.0. Site Security

Public safety will be a paramount concern at all times throughout the development of this site. During earthworks, sewer, and road construction, the site will remain fenced off and hoarded to ensure no trespassing into the site. The hoarding/fencing will be inspected daily to ensure that there are no breaches and that the site remains secure and safe. During this component of the work, a supervisor from the trade partners will be onsite throughout the duration of the work. Regular inspection by the General Contractor and Civil consultant will be maintained throughout this portion of the work. at the end of each business day, the gates will be locked and the site fully secured.

11.0. Communication and Notification

Condeland engineering ltd. will circulate construction notices in advance prior to the start of construction. For all foreseen and unforeseen events where working outside the subdivision boundary is required, Condeland Engineering Ltd.'s will prepare and circulate a notice a minimum of five (5) days prior to any external construction activities.

Online access and updates please go to (www.thechase.ca/construction-schedules-plans/) for construction schedules, contact information, road closure notices and etc.

Prior to the commencement of any temporary road closures, the General Contractor will install appropriate traffic control signs, construction signs and barricades as per the Ontario Traffic Manual Book 7 in the vicinity of the Development site. The General Contractor will notify Condeland Engineering Ltd. and the Town of Halton Hills of any changes to the schedule and plan of construction, if required. All such signs are subject to change during the duration of construction as necessary.

A Pre-Construction meeting will be required prior to the commencement of the construction. Part of the purpose of the meeting will be to confirm the Construction Management Plan details and any further community notification that is required, as well as to review the appropriate measures to help minimize the effects of the construction on the public.

Information in order to maintain communication with Condeland, Contractor on site, Town contact are noted below.

Condeland Engineering Ltd.'s project manager shall be responsible to prepare and circulate a notice a minimum of five (5) days in advance of the commencement of any external construction activities with contact information and construction schedule. This notice will be prepared to the satisfaction of the Town before it is released. All residents within the impacted areas will receive the notice. It is the project manager's responsibilities to maintain a log that records the nature of any complaint; who filed the complaint; the date/time of the complaint; and, how the matter was resolved along with the schedule of when the work was completed to resolve the complaint.

Project Manager - Condeland Engineering Ltd. NAME: Angelo Maurizio, P. Eng. TITLE: Project Manager OFFICE: (905) 695-2096 ex. 31 CELL: (416) 553-2774 EMAIL: angelo@condeland.com
Site Inspector - Condeland Engineering Ltd. NAME: Dan Oakley TITLE: Inspector CELL: (416) 678-0639 EMAIL: Dan@condeland.com
Owner– 2312390 ONTARIO LIMITED. NAME: Gerry Mc Groggan TITLE: Contracts Manager CELL: 416.991.1630 EMAIL: gerry@edenoak.com

APPENDIX 'A'

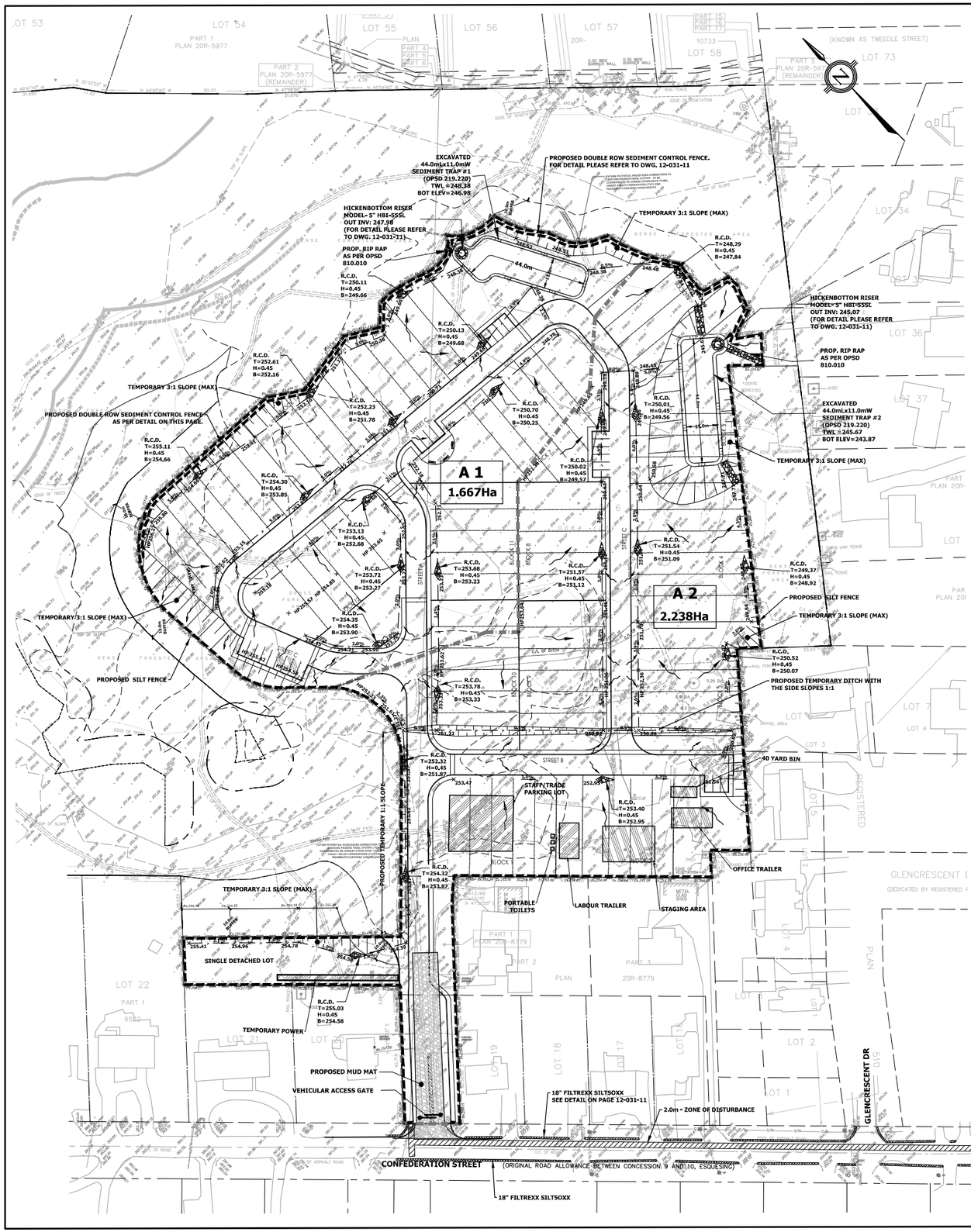
Location Map

2312390
ONTARIO LIMITED
TOWN OF HALTON HILLS
REGIONAL MUNICIPALITY OF HALTON

KEY PLAN N.T.S.

APPENDIX 'B'

Conceptual Erosion and Sediment Control Plan Stage 1 & Construction Management Plan and details, Dwg #12-031-10&11



SEDIMENTATION TRAP CALCULATION(PERMANENT POOL)

TRAP ID	TRIB AREA (ha)	VOLUME REQ'D 125 cu.m/l	LENGTH (m)	WIDTH (m)	DEPTH (m)	VOLUME PROV'D (cu,m)
1	1.667	208.38	44	11	0.50	242.0
2	2.238	279.75	44	11	0.60	290.4

SEDIMENTATION TRAP CALCULATION(ACTIVE POOL)

TRAP ID	TRIB AREA (ha)	VOLUME REQ'D 125 cu.m/l	LENGTH (m)	WIDTH (m)	DEPTH (m)	VOLUME PROV'D (cu.m)	AVERAGE Q FOR 24hr DRAWDOWN (Ccu,m/S)
1	1.667	208.38	44	11	0.50	242.0	0.0028
2	2.238	279.75	44	11	0.60	290.4	0.0034

STANDARD NOTES:

1. "EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION."
2. "DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES."
3. "ALL IN-WATER AND NEAR WATER WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS."
4. "THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. CVC ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY."
5. "AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS, AS WELL AS ON A REGULAR BASIS, OR FOLLOWING RAIN/SNOWMELT EVENT, TO MONITOR ALL WORKS, AND IN PARTICULAR WORKS RELATED TO EROSION AND SEDIMENT CONTROLS, DEWATERING OR UNWATERING, RESTORATION AND IN- OR NEAR- WATER WORKS. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR WILL CONTACT THE CVC ENFORCEMENT OFFICER AS WELL AS THE PROPONENT.
6. "ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OR PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER."
7. "ALL GRADES WITHIN THE REGULATORY FLOOD PLAN WILL BE MAINTAINED OR MATCHED.
8. "THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFIXED ITEMS FROM THE REGIONAL STORM FLOOD PLAN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, E.G., FUEL TANKS, PORTAPOTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC."
9. "ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR FOREST, OR ALLOWED TO DRAIN ONTO DISTURBED SOLS VWTHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER."
10. ALL ACCESS TO THE WORK SITE SHALL BE McMASTER STREET.

NOTES:

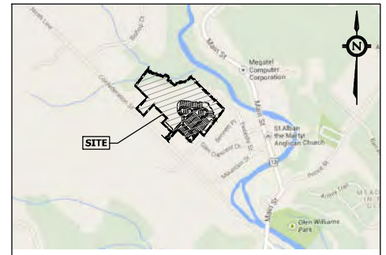
1. SILTATION CONTROL FENCING, CONSTRUCTION MUD-MAT AND ROCK CHECK DAMS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON SITE.
2. THE REGN INSPECTIONS SHOULD BE OCCURRING DURING ALL CONSTRUCTION STAGES. INSPECTION OF ALL SILTATION AND EROSION CONTROL DEVICES IS REQUIRED DURING EARTHWORKS, UNDERGROUND SERVICING, ROAD CONSTRUCTION AND BUILDING, COPY OF INSPECTION REPORT SHOULD BE SUBMITTED TO THE CITY GRADING & MUNICIPAL INSPECTION SECTION OF THE ENGINEERING DEPARTMENT.
   - 2.1. WEEKLY, AFTERY RAINFALL EVENT.
   - 2.2. AFTER SIGNIFICANT SNOWMELT EVENT.
   - 2.3. DAILY DURING EXTENDED RAIN OR SNOWMELT EVENT.
3. ALL REPAIRS TO BE COMPLETED WITHIN 48 HOURS OF NOTIFICATION BY BUILDER/CONTRACTOR.
4. VEHICLE TRACKING CONTROL/MUD MATS MUST BE MADE TO PREVENT THE TRANSPORT OF SEDIMENT ONTO THE PAVED SURFACE.
   - 4.1. THE PAD SHOULD BE AS PER EROSION AND SEDIMENT CONTROL GUIDELINES (DECEMBER 2006).
   - 4.2. THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT.
5. INTERCEPTOR SWALES TO BE CONSTRUCTED AS PER LAYOUT ON THIS DRAWING. SWALES SHOULD BE COMPACTED AND CONSTRUCTED WITH MAX. 2:1 SIDE SLOPES. RIP-RAP STABILIZATION REQUIRED AT THE OUTLET.
6. EROSION CONTROL MATS TO BE APPLIED TO CONVEYANCE SWALE AND DITCHES.
7. ALL FILL MATERIAL TO BE CLEAN AND FREE OF TRASH, RUBBISH, GLASS, LIQUID OR TOXIC CHEMICALS OR GARBAGE MATERIALS.

NOTES:

1. THE ESC STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES TO THE NATURAL ENVIRONMENT. THE CVC ENFORCEMENT OFFICE WILL BE CONTACTED IMMEDIATELY SHOULD THE EROSION AND SEDIMENT CONTROL PLANS CHANCE FROM THE APPROVED PLANS. FAILED ESC MEASURES WILL BE REPAIRED IMMEDIATELY.
2. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED 30 MATERS FROM THE WATER.

NOTE:
IN ACCORDANCE WITH THE MBCA ALL VEGETATION CLEARING IS TO BE AVOIDED BETWEEN APRIL 1ST TO OCTOBER 31ST OF A GIVEN YEAR.

NOTE:
FOR CONSTRUCTION STAGING PLEASE REFER TO CONSTRUCTION MANAGEMENT REPORT.



KEY PLAN N.T.S.

PART OF LOT 26 REGISTRAR'S COMPLIED PLAN No. 1355
FORMERLY PART OF THE WEST HALF OF LOT 27, CONCESSION 10
TOWN OF HALTON HILLS
REGIONAL MUNICIPALITY OF HALTON.

LEGEND

+191.84	PROPOSED ELEVATION
HP 191.84	PROPOSED HIGH POINT ELEVATION
	PROPOSED SILT FENCE
	PROPOSED DOUBLE ROW SILT FENCE
	TRIBUTARY BOUNDARY
	PROPOSED SWALE
	TREE PRESERVATION ZONE
	EXCAVATED SEDIMENT TRAP OPSD 219.220
	PROPOSED SILTSOXX
	PROPOSED MUD-MAT
T = TOP H = HEIGHT B = BOTTOM	TEMPORARY ROCK FLOW CHECK DAM

ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM: THE TOWN OF HALTON HILLS BENCH MARK NO. HHBM-101 000 ELEVATION = 272.551 METRES AND THE TOWN OF HALTON HILLS BENCHMARK NO. HHBM-032 L21,C09 ELEVATION = 227.829 METRES
ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED

REVISION	BLOCK	DATE	APPR. BY
1	ZONING AND OPA AMENDMENTS AND DRAFT PLAN	AUG/16/2024	R.P.D.

2312390 ONTARIO LIMITED

R.P. DE ANGELIS
AUG/16/2024
PROFESSIONAL ENGINEERS PROVINCE OF ONTARIO

MUNICIPAL
DESIGN APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF HALTON HILLS STANDARDS AND SPECIFICATIONS.

SIGNED_____
ENGINEERING & PUBLIC WORKS

DATE_____

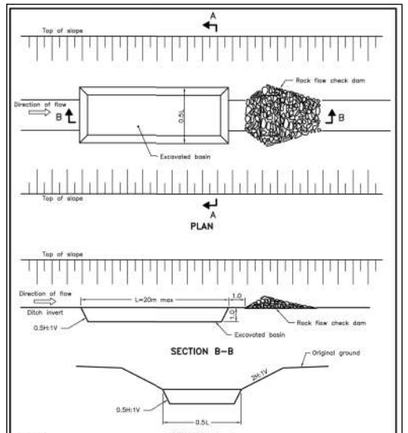
CONDELAND
CONSULTING ENGINEERS & PROJECT MANAGERS
350 Creditstone Road, Unit 200 P: (905) 695-2096
Concord, Ontario L4K 3Z2 F: (905) 695-2099

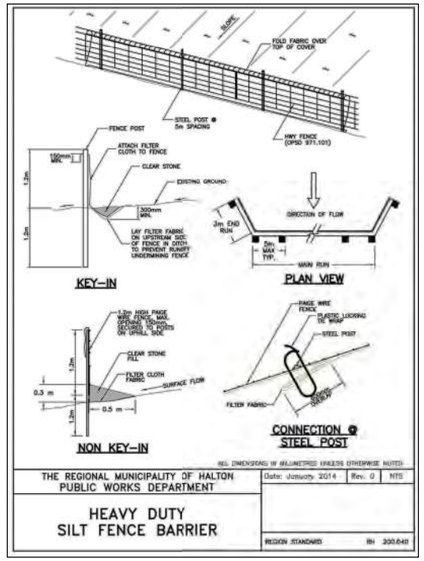
TOWN OF HALTON HILLS
Working Together Working for You!

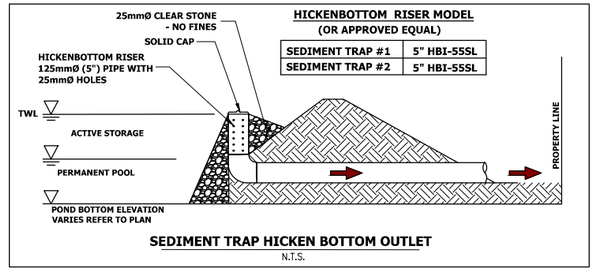
Halton REGION

CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN STAGE I & CONSTRUCTION MANAGEMENT PLAN

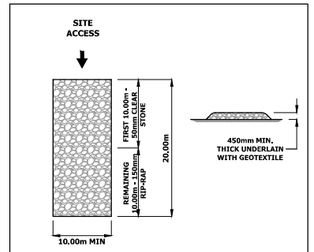
DESIGNED BY: M.E.H.	DATE: AUGUST 2024	CHECKED BY: R.P.D.
DRAWN BY: VB	DRAWING NO. 12-031-10	CITY FILE:
SCALE HOR 1:750	Sheet: 10 OF 11	REGION FILE:



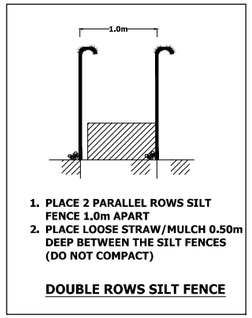




SEDIMENT TRAP HICKEN BOTTOM OUTLET
N.T.S.

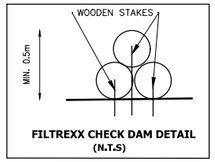


CONSTRUCTION MUD-MAT DETAIL
AS PER PAGE C–32, C–33 OF EROSION AND SEDIMENT GUIDELINES (N.T.S)

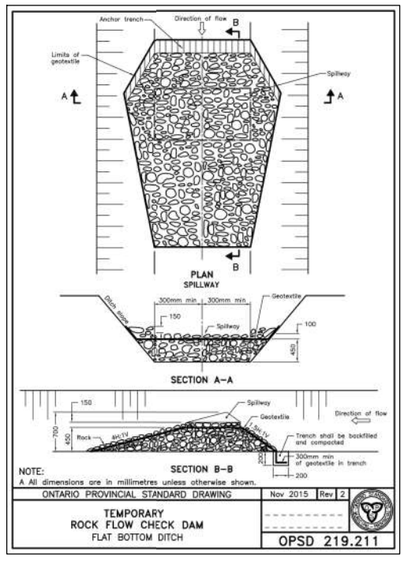


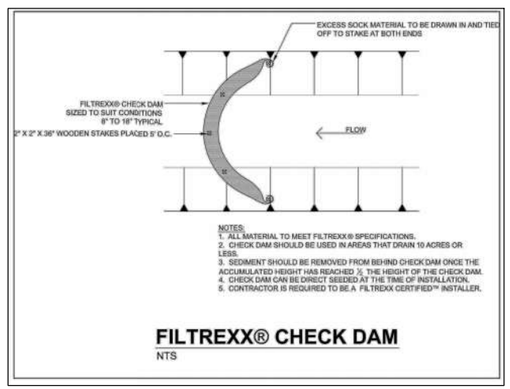
1. PLACE 2 PARALLEL ROWS SILT FENCE 1.0m APART
2. PLACE LOOSE STRAW/MULCH 0.50m DEEP BETWEEN THE SILT FENCES (DO NOT COMPACT)

DOUBLE ROWS SILT FENCE

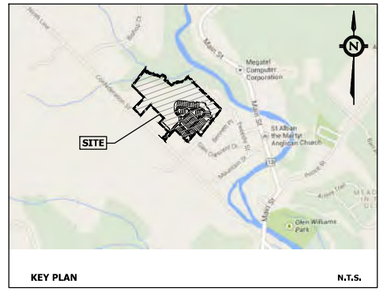


FILTREXX CHECK DAM DETAIL
(N.T.S)





FILTREXX® CHECK DAM
NTS



KEY PLAN N.T.S.

PART OF LOT 26 REGISTRAR'S COMPLIED PLAN No. 1555
FORMERLY PART OF THE WEST HALF OF LOT 22, CONCESSION 10
TOWN OF HALTON HILLS
REGIONAL MUNICIPALITY OF HALTON.

ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM: THE TOWN OF HALTON HILLS BENCH MARK NO. HHBM–101 000 ELEVATION = 272.551 METRES AND THE TOWN OF HALTON HILLS BENCHMARK NO. HHBM–032 L21,C09 ELEVATION = 227.829 METRES
ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED

1	ZONING AND OPA AMENDMENTS AND DRAFT PLAN	AUG/16/2024	R.P.D.
REVISION	BLOCK	DATE	APPR. BY

2312390 ONTARIO LIMITED

R.P. DE ANGELIS
AUG/16/2024

MUNICIPAL
DESIGN APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF HALTON HILLS STANDARDS AND SPECIFICATIONS.
SIGNED_____
ENGINEERING & PUBLIC WORKS
DATE_____

CONDELAND
CONSULTING ENGINEERS & PROJECT MANAGERS
350 Creditstone Road, Unit 200 P: (905) 695-2096
Concord, Ontario L4K 3Z2 F: (905) 695-2099

TOWN OF HALTON HILLS
Working Together Working for You!

Halton REGION

NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL DETAILS

DESIGNED BY: M.E.H.	DATE: AUGUST 2024	CHECKED BY: R.P.D.
DRAWN BY: VB	DRAWING NO. 12-031-11	CITY FILE:
SCALE HOR 1:750	Sheet: 11 OF 11	REGION FILE: