

# Attachment 5: Block 12 EPA Concept Restoration Design

## LEGEND

- EROSION CONTROL BLANKET (ECB)
- TRANSITIONAL THICKET
- FRESH - MOIST OAK MAPLE HICKORY DECIDUOUS FOREST (FOD9)
- FRESH - MOIST SUGAR MAPLE DECIDUOUS FOREST (FOD6)
- DRY - FRESH SUGAR MAPLE DECIDUOUS FOREST (FOD5)
- NATIVE MEADOW
- SHALLOW AQUATIC (SA)
- SHALLOW MARSH (MAS)
- MEADOW MARSH (MAM)
- WILLOW MINERAL THICKET SWAMP (SWT2-2)
- ALDER MINERAL THICKET SWAMP (SWT2-1)
- RAPTOR POLES
- TURTLE NESTING AREA HABITAT FEATURE
- BAT ROCKET BOX HABITAT FEATURE
- BASKING LOG HABITAT FEATURE
- BRUSH PILE HABITAT FEATURE
- PIT AND MOUND GRADING

EPA LANDS - BLOCK 12  
AREA = 8.536ha.  
LANDSCAPE FEATURES AND PLANTING WITHIN  
BLOCK 12 ARE PER DESIGN COMPLETED BY  
CROZIER CONSULTING ENGINEERS. PLEASE SEE  
CROZIER DRAWINGS FOR FURTHER DETAILS AND  
SPECIFICATIONS.

WETLAND 1 - BLOCK 13  
AREA = 4.039ha.  
WORKS ARE PER DESIGN COMPLETED BY CROZIER  
CONSULTING ENGINEERS. PLEASE REFER TO  
CROZIER  
DRAWINGS FOR FURTHER SPECIFICATIONS AND  
DETAILS.

WETLAND 2 - BLOCK 14  
AREA = 4.954ha.  
WORKS ARE PER DESIGN COMPLETED BY CROZIER  
CONSULTING ENGINEERS. PLEASE REFER TO  
CROZIER  
DRAWINGS FOR FURTHER SPECIFICATIONS AND  
DETAILS.

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN METRES OR MILLIMETRES, UNLESS OTHERWISE NOTED.
  - ACTIVITIES WITHIN THE WATERCOURSE SHALL BE IN ACCORDANCE WITH THE RESIDE DAZE CONSTRUCTION TIMING WINDOW IDENTIFIED BY THE MECP (JULY 1 TO SEPTEMBER 15).
  - THE CONTRACTOR SHALL PROVIDE THE DESIGNER AT LEAST 48 HOURS OF NOTICE PRIOR TO COMMENCING WORK.
  - THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH ALL EXISTING UTILITY PROVIDERS TO HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED PRIOR TO THE START OF CONSTRUCTION.
  - CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL UTILITY LOCATIONS HAVE BEEN REVIEWED AND ALL PERMITS AND APPROVALS HAVE BEEN RECEIVED BY THE CONTRACT ADMINISTRATOR.
  - ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER IMMEDIATELY.
  - LAYOUT OF WORKS SHALL BE REVIEWED AND APPROVED BY THE DESIGNER OR THEIR REPRESENTATIVE.
  - COMPLETED WORKS SHALL BE REVIEWED AND APPROVED BY THE DESIGNER OR THEIR REPRESENTATIVE.
- ENVIRONMENTAL MITIGATION NOTES:**
- ESC MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATERCOURSE/NATURAL AREAS. ESC MEASURES ARE TO BE EVALUATED ON A DAILY BASIS AND AFTER ANY STORM EVENT. ANY REPAIRS REQUIRED ARE TO BE RECTIFIED IMMEDIATELY.
  - FOLLOWING INSTALLATION OF THE PROPOSED ESC MEASURES, A QUALIFIED INSPECTOR, RETAINED BY THE DESIGNER OR THEIR REPRESENTATIVE, WILL CONDUCT REGULAR SITE VISITS TO MONITOR ALL WORKS, PARTICULARLY THE CONDITION OF THE ESC MEASURES, UNWATERING, AND IN- OR NEAR-WATER WETLANDS SHOULD CONCERNS ARISE. THE ENVIRONMENTAL MONITOR WILL CONTACT THE CONTRACT ADMINISTRATOR, WHO WILL NOTIFY THE CONSERVATION AUTHORITY AND ANY OTHER APPROPRIATE PARTIES.
  - ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF DEBRIS, SEDIMENTS, OR OTHER DELETTERIOUS PRODUCTS TO THE WATERCOURSE OR WETLAND. EQUIPMENT MAINTENANCE WILL BE CONDUCTED OUTSIDE THE EXTENTS OF RESIDE DAZE HABITAT. SEDIMENT LADEN RUNOFF FROM DISTURBED AREAS TO THE WATERCOURSE OR NATURAL FEATURE IS NOT ALLOWED. ALL DEWATERING SHALL BE TREATED AND THEN RELEASED 30 METRES FROM A WATERCOURSE OR WETLAND. DISCHARGE IS TO BE RELEASED TO AN UNDISTURBED NATURAL AREA. THESE CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED OR REVISOR TO ENSURE WATER QUALITY TARGETS ARE BEING ACHIEVED.
  - THE ESC PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL.
  - ADDITIONAL ESC MATERIALS (IE. SILT FENCE, FILTER SOCKS, STRAW BALES, CLEAR STONES, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
  - DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES. ALL DISTURBED GROUND LEFT INACTIVE FOR MORE THAN 30 DAYS SHALL BE STABILIZED USING APPROPRIATE EROSION CONTROL MEASURES AND AN APPROPRIATE NATIVE NON-INVASIVE SEED MIX OR WITH THE FINAL APPROVED RESTORATION PLAN.
  - ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED BY THE PROJECT ADMINISTRATOR TO THE MECP (SPILL ACTION CENTER) AT 1-800-288-6666, AS WELL AS THE PROJECT ECOLOGIST.
  - IF EXCESSIVE SILTATION RESULTS FROM THE CONSTRUCTION ACTIVITIES, THE ON-SITE SUPERVISOR/INSPECTOR AND/OR CONSERVATION AUTHORITY RESERVE THE RIGHT TO REQUEST ADDITIONAL ESC MEASURES WHICH WOULD BE INSTALLED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES.
  - THE CONTRACTOR SHALL MONITOR WEATHER FORECASTS TO ENSURE THAT THE WORKS WILL BE CONDUCTED IN FAVOURABLE WEATHER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL CONSTRUCTION EQUIPMENT AND MATERIALS THAT WOULD HAVE POTENTIAL TO CAUSE A SPILL OR OBSTRUCTION (IE. FUEL TANKS, PORTABLE TOILETS, MACHINERY, ETC.) FROM THE FLOODPLAIN IN THE CASE OF A LARGE STORM EVENT.
  - CROSSING AN ACTIVE WATERCOURSE OR WETLAND BY EQUIPMENT, VEHICLES, PERSONNEL, ETC. IS NOT PERMITTED UNLESS APPROVED. ALL ACCESS TO WORK SITES SHALL BE FROM EITHER SIDE OF THE WATERCOURSE OR WETLAND.
  - ALL IN-WATER AND NEAR-WATER WORKS WILL BE CONDUCTED IN THE DRY DURING THE TIMING WINDOW SPECIFIED. ALL WORKS MUST BE STAGED WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS. PLAN THE WORK ACCORDINGLY WITH THE WEATHER FORECAST.
  - AFTER-HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL PLANS SHOULD HAVE NAME AND CONTACT INFO OF THE PERSON RESPONSIBLE FOR ESC MEASURES.

<b>RICE GROUP</b>			
No.	DATE	ISSUE/REVISION	INITIAL
2	04/18/2024	DRAFT CONCEPT PLAN SUBMISSION	LM
1	02/28/2024	DRAFT CONCEPT PLAN SUBMISSION	LM

TULLAMORE INDUSTRIAL GP LTD. - TULLAMORE LANDS MAYFIELD ROAD & AIRPORT ROAD & TORBRAM ROAD TOWN OF CALEDON

BLOCK 12 EPA CONCEPT RESTORATION DESIGN

## ECOLOGICAL COMMUNITIES



DESIGNED BY: LM DATE: APRIL 2024 CHECKED BY: ASJS  
DRAWN BY: LM/JW PROJECT No. 2100975 DRAWING No. G-04  
SCALE: 1:750

CONCEPT - NOT FOR CONSTRUCTION