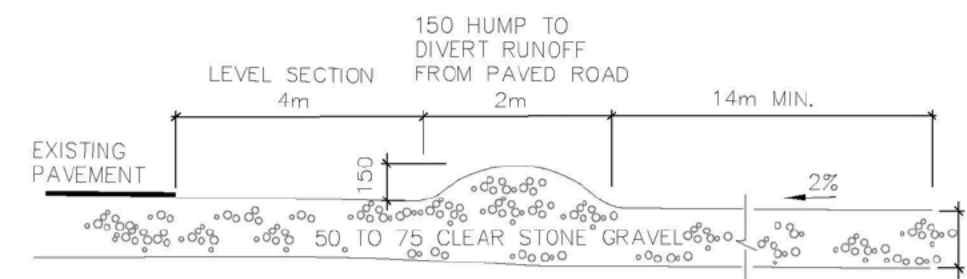


**EROSION & SEDIMENT CONTROL**

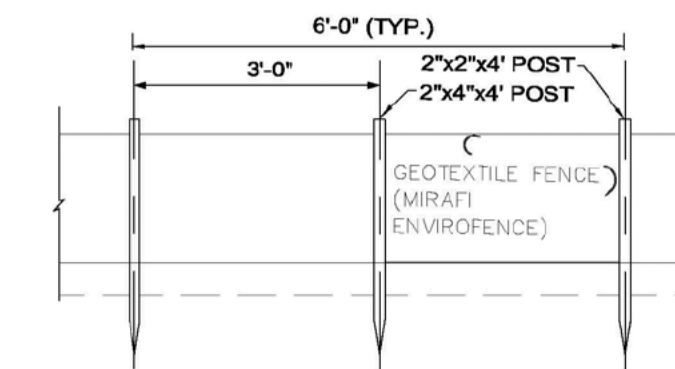
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED TO PROTECT ALL NATURAL WATERCOURSE FROM DAMAGE DUE TO SILT LADEN RUN-OFF FROM CONSTRUCTION.
- RECOMMENDED CONSTRUCTION AND MAINTENANCE PROCEDURES MAY BE OBTAINED FROM THE LATEST REVISION OF "EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITE", PREPARED BY THE NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT.
- PERIODICALLY INSPECT AND CORRECT EROSION AND SEDIMENTATION CONTROL MEASURES TO ENSURE CONTINUED EFFECTIVENESS.
- STABILIZE ALL DISTURBED AREAS TO PREVENT EROSION IMMEDIATELY AFTER COMPLETION OF WORK.
- PROTECT ALL POINTS OF CONSTRUCTION SITE ENTRANCE AND EXIT TO PREVENT TRACKING OF MUD ONTO PUBLIC STREETS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION INSTALL SILT CONTROL MEASURES SUCH AS SILT FENCE OR FILTER SPREADER OF GRAVEL FILTER.
- CONSTRUCT STORM SEWER TO DIVERT FLOW FROM OFF SITE DRAINAGE AWAY FROM THE WORK AREA. PUMP THE FLOW, IF REQUIRED AROUND THE WORK SITE.
- ANY SILT LADEN WATER PUMPED FROM THE TRENCH IS TO PASS THROUGH A FILTERING SYSTEM.

**CONCEPTUAL STORMWATER MANAGEMENT**

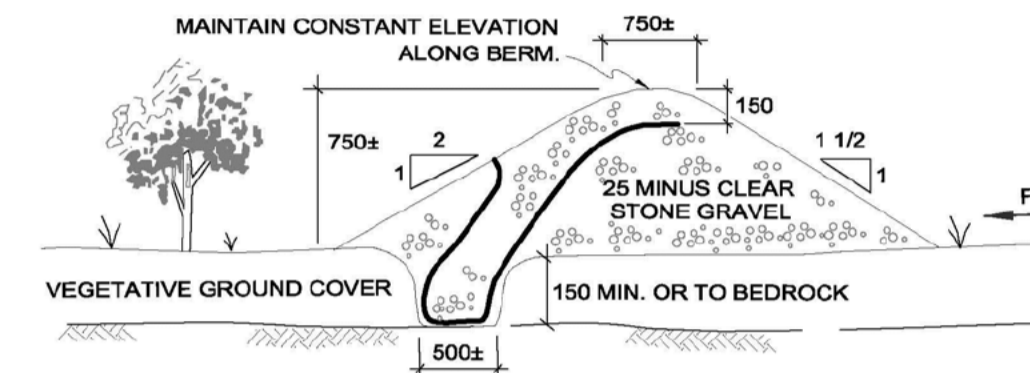
- THE PURPOSE OF THIS CONCEPTUAL STORM WATER MANAGEMENT PLAN IS TO ADDRESS THE POTENTIAL EFFECTS UPON WATER QUALITY AND QUANTITY FROM THE PROPOSED DEVELOPMENT.
- THE GOAL OF THIS SWMP FOR STORMWATER QUANTITY CONTROL IS TO MATCH CLOSELY THE PRE-DEVELOPMENT HYDROLOGIC CONDITIONS TO THE POST-DEVELOPMENT CONDITIONS (NO NET INCREASE IN PEAK FLOW RESULTING FROM THE PROPOSED DEVELOPMENT).
- STORMWATER QUANTITY AND QUALITY CONTROLS FOR THIS DEVELOPMENT MAY INCLUDE:
- CONTROL POST-DEVELOPMENT PEAK FLOWS FROM THE 5 AND 100 YEAR 24 HOUR STORM EVENTS.
  - MULTI-UNIT RESIDENTIAL BUILDING ROOFS AND PODIUMS SO THAT STORM WATER IS DETAINED AND DRAINED AT A CONTROLLED RATE.
  - DIRECT RUNOFF FROM DRIVEWAYS AND PARKING AREAS TO THE BIORETENTION AREA (RAIN GARDEN) SO THAT STORM WATER IS RETAINED, ATTENUATED AND DRAINED AT A CONTROLLED RATE.
  - SURFACE DETENTION COMBINED WITH ROOF & PODIUM STORAGE AND THE EXISTING DEPRESSIONS AND PONDS CAN BE INCORPORATED TO CONTROL THE POST DEVELOPMENT STORM WATER FLOWS TO PRE-DEVELOPMENT CONDITIONS.
  - BIORETENTION AREA VEGETATION AND SOIL MEDIUM SHALL BE SELECTED TO ENSURE STORM WATER QUALITY ENHANCEMENT.
  - RETAIN ON-SITE STORM WATER RUNOFF GENERATED FROM THE FIRST 10mm DEPTH OF A RAINFALL EVENT. (VOLUME OF INTERNAL WATER STORAGE WITHIN THE BIORETENTION SYSTEMS)



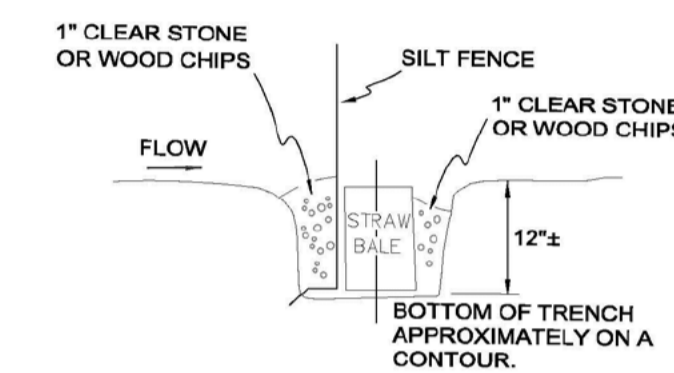
**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**  
N.T.S.



**SILTATION FENCE**  
N.T.S.



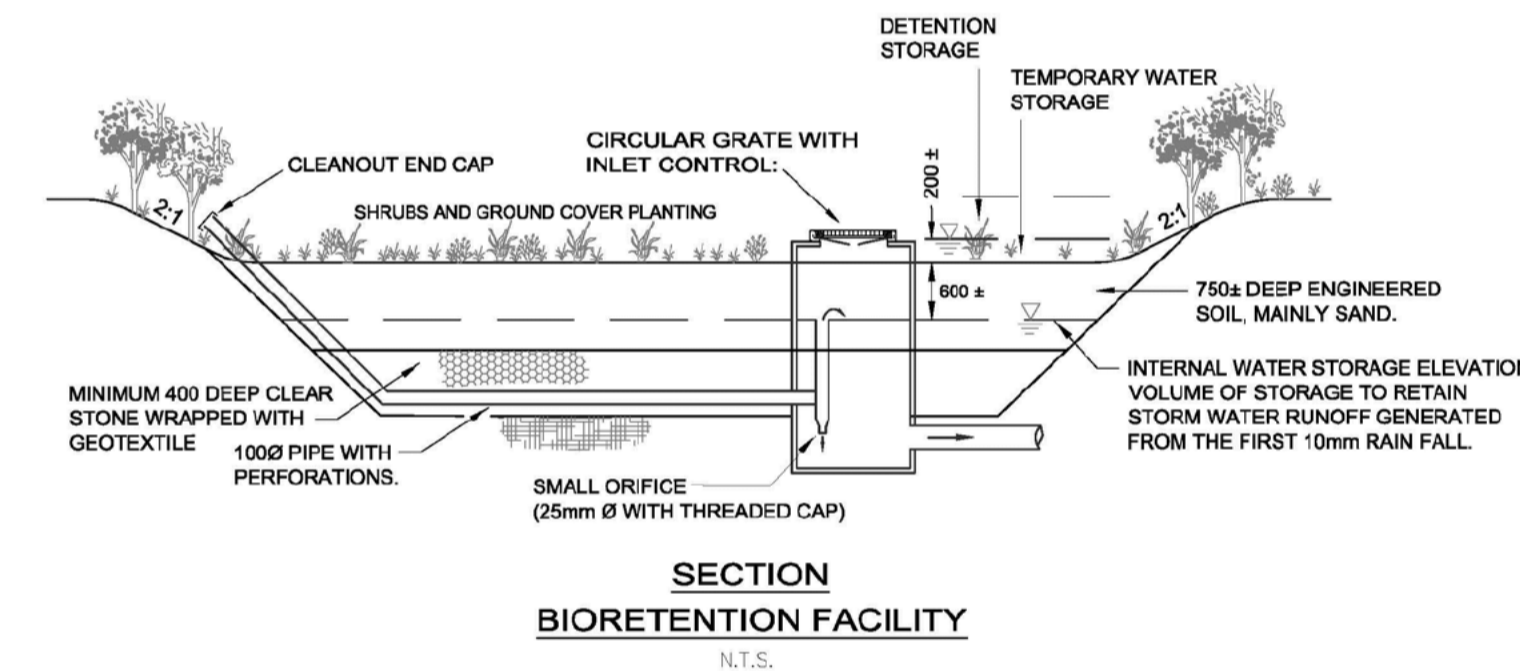
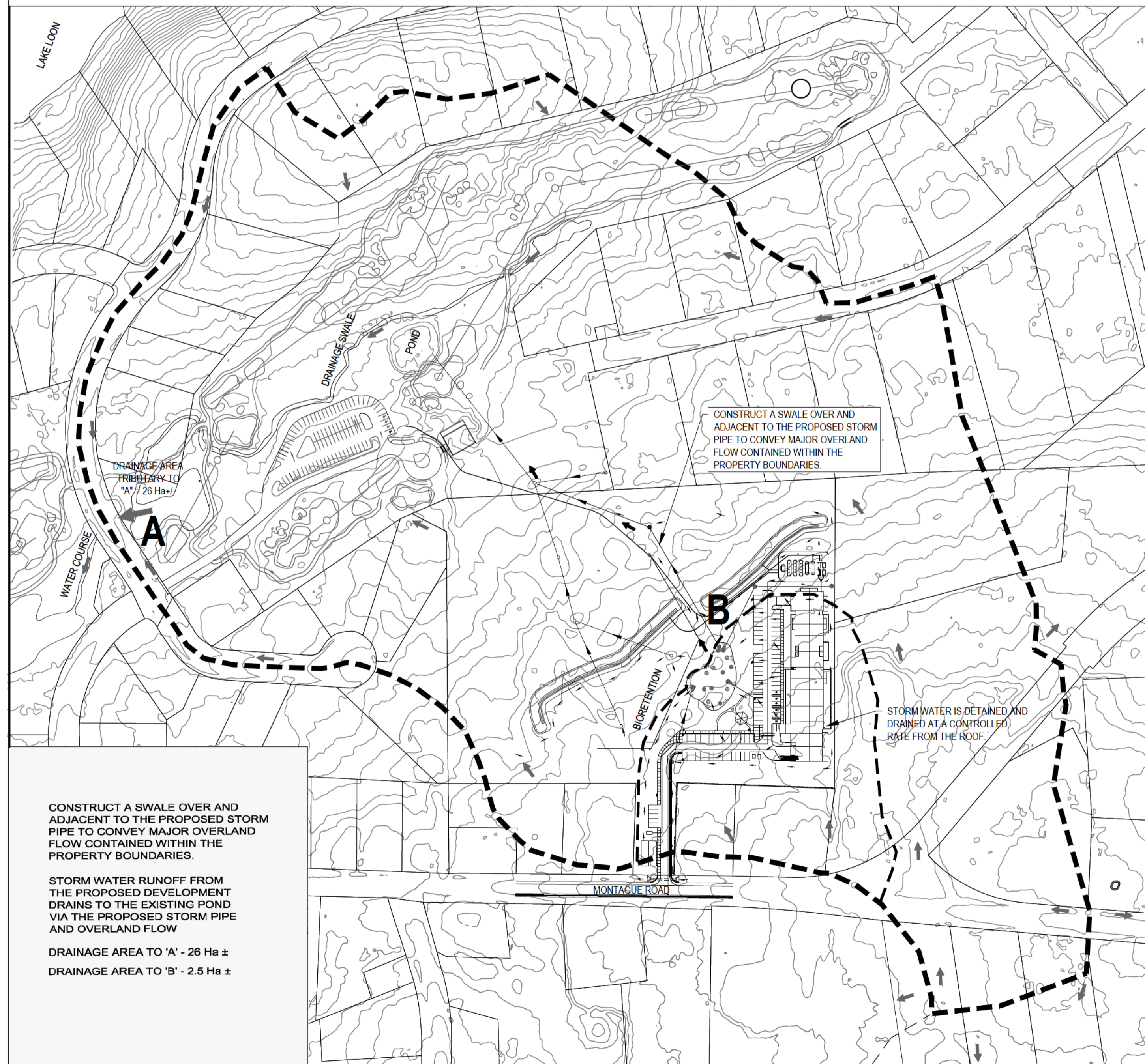
**GRAVEL FILTER**  
N.T.S.



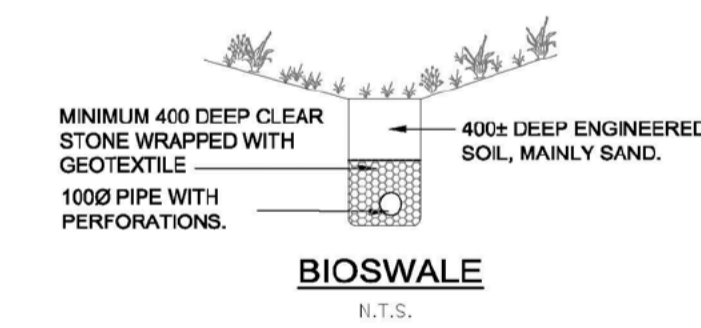
**FILTER SPREADER**  
N.T.S.

**LEGEND:**

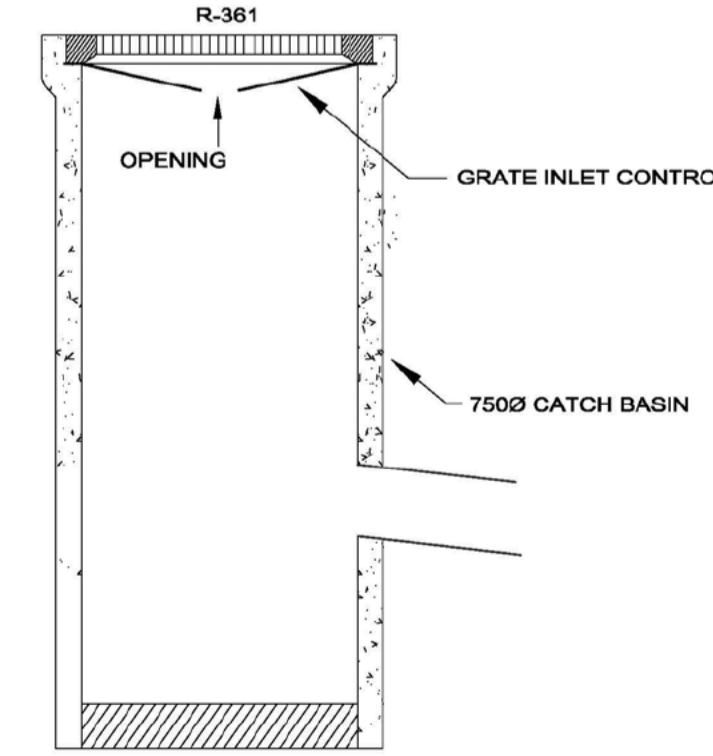
EXISTING	PROPOSED



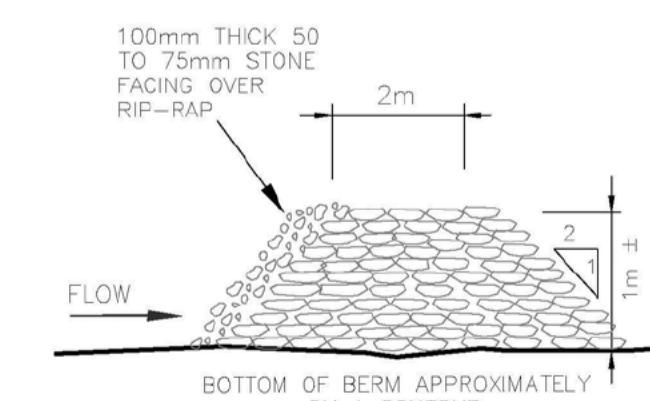
**SECTION BIORETENTION FACILITY**  
N.T.S.



**BIOSWALE**  
N.T.S.

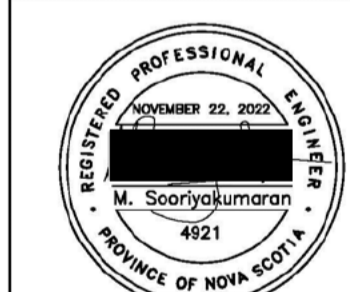


**OFF SITE CATCH BASIN**  
N.T.S.



**LEVEL SPREADER**  
N.T.S.

NO.	DATE	REVISION	DESCRIPTION	APPRD
1	22 NOV. 22		ISSUED FOR APPROVAL	



LANDS OF  
LOON LAKE DEVELOPMENTS LIMITED  
PID 00624668

ckm engineering inc.

**CONCEPTUAL STORMWATER MANAGEMENT**

**MONTAGUE DEVELOPMENT**

MONTAGUE ROAD		WESTPHAL, N.S.	
DRAWN	DATE	PLAN NO.	
M.D.M.	NOVEMBER 22, 2022		22-187-02
ENGINEER	SCALE	SHEET	
SOORI	NTS UN		2