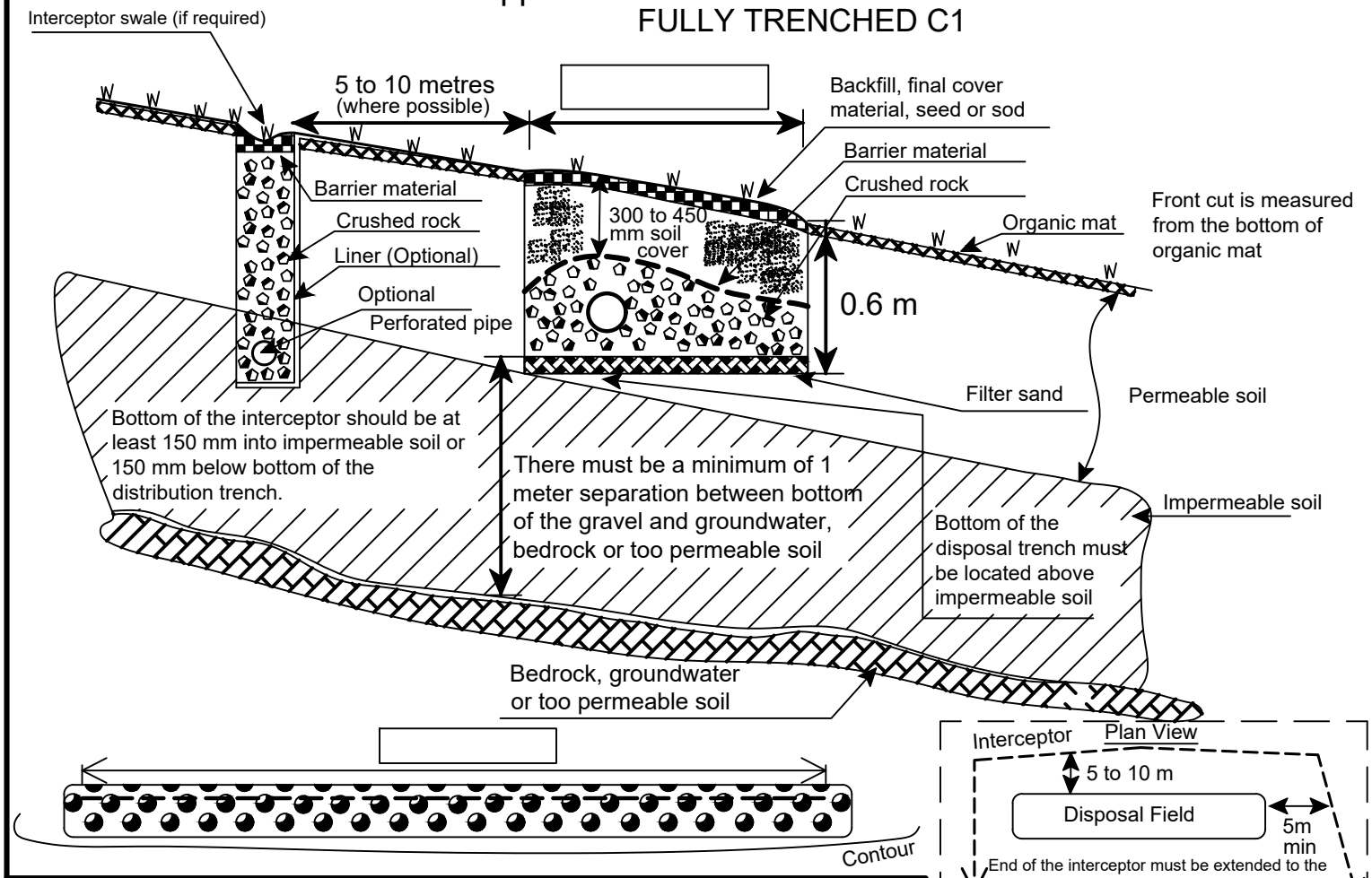
APPENDIX D

Detailed cross section drawings

PLEASE NOTE: The cross section diagrams contained within this appendix present a general representation of the main system parts and specifications but are not to scale and may not include all requirements of this Standard.
It is the responsibility of the qualified person or professional engineer to ensure the installer has accurate and sufficient information to construct a system in accordance with all requirements of this Standard.

Appendix D-1 DETAILED CROSS SECTION
FULLY TRENCHED C1



General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

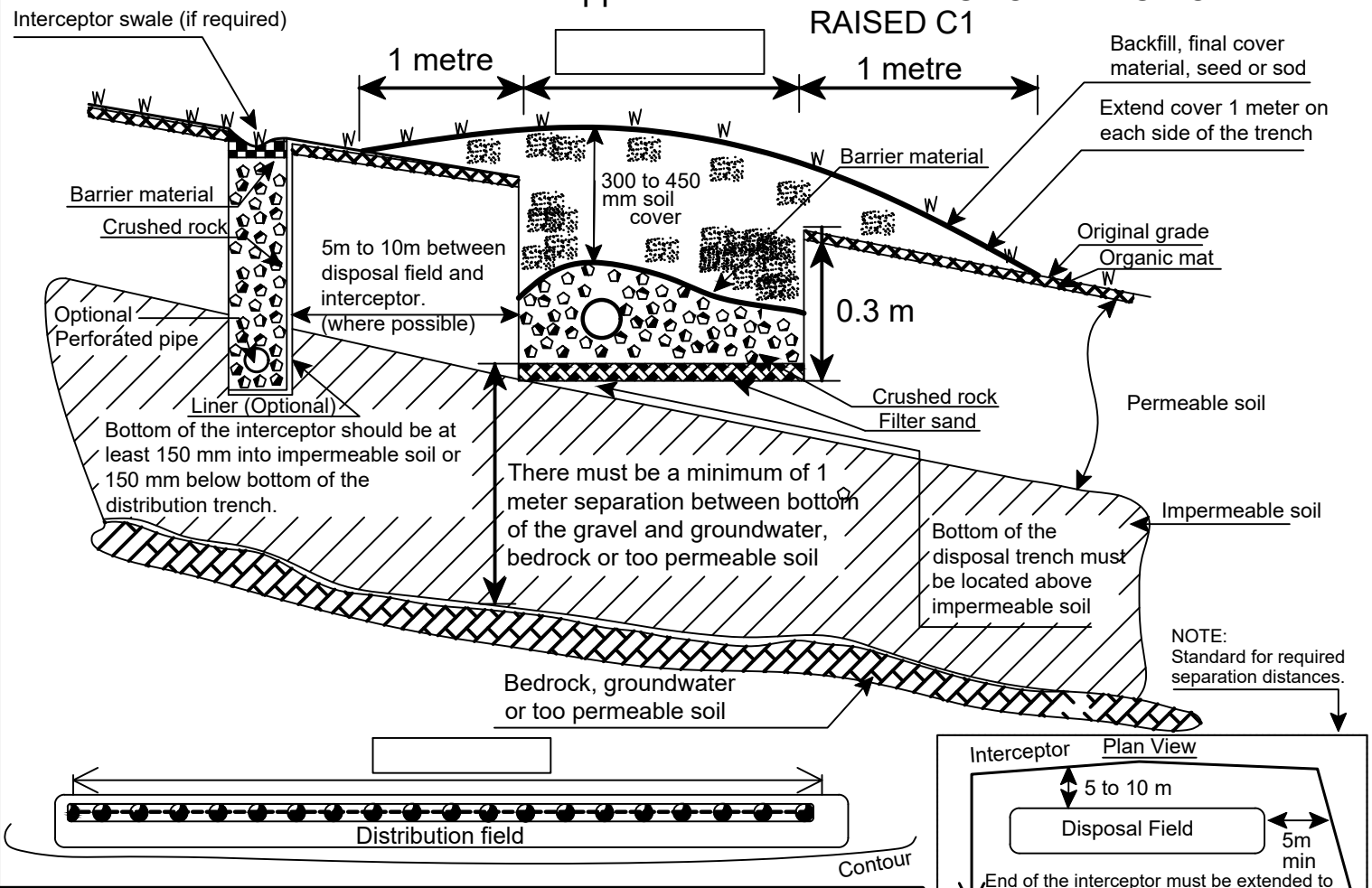
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor /swale depth | Liner | Yes | No

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-2 DETAILED CROSS SECTION
RAISED C1



General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

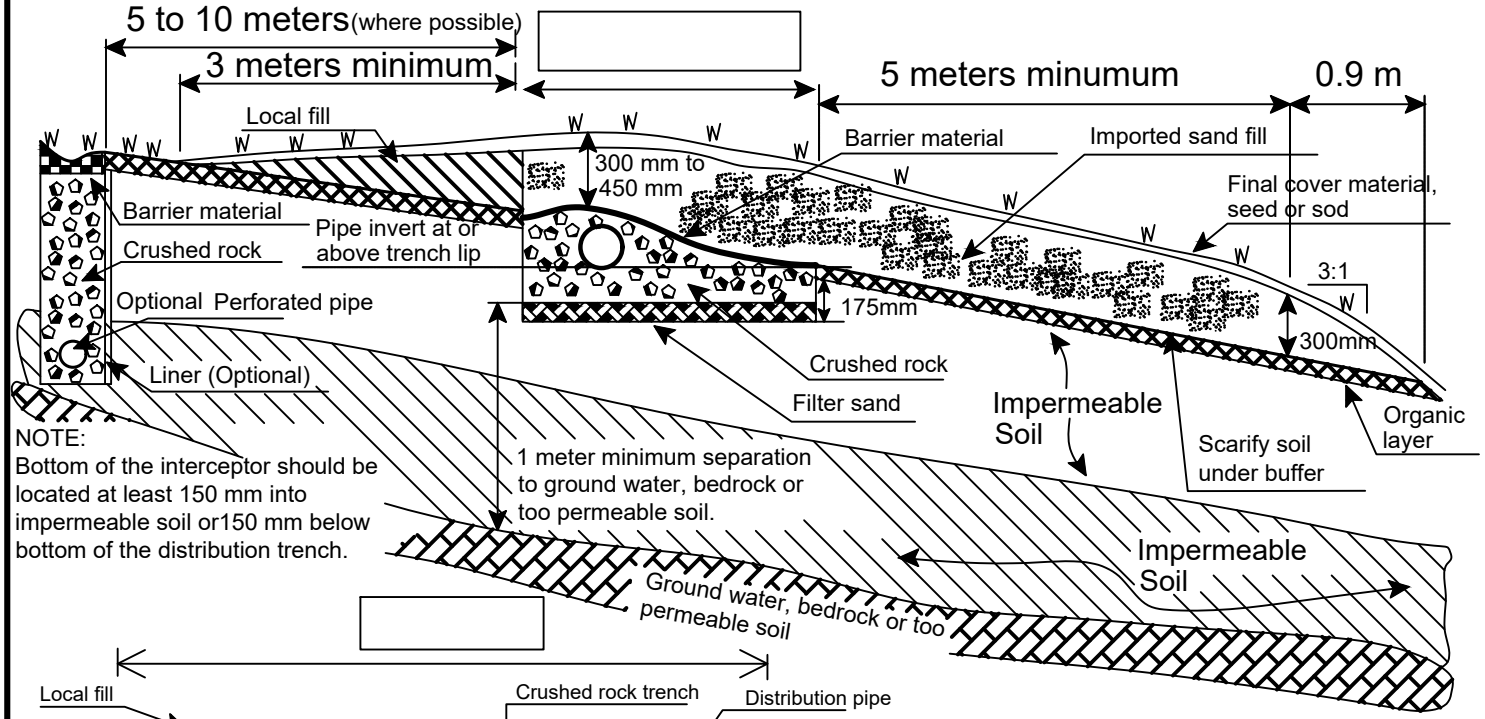
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

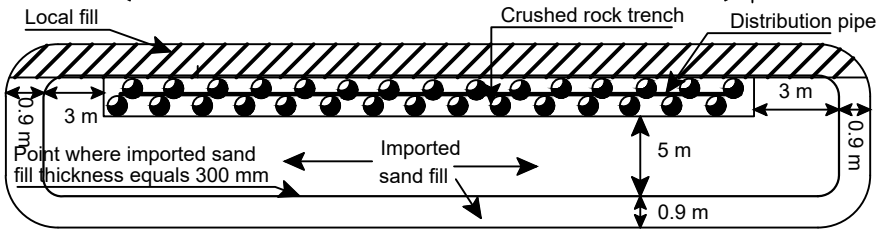
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

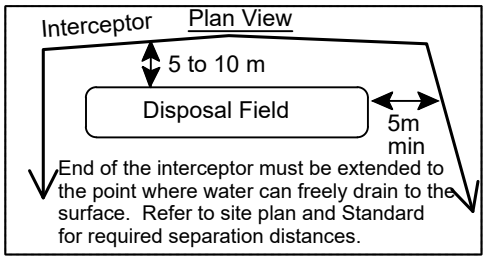
DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth | Liner | Yes | No

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-3 DETAILED CROSS SECTION
STANDARD C2







DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth | Liner | Yes | No
	mm	Imported sand fill permeability | Minutes at 20° C

General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

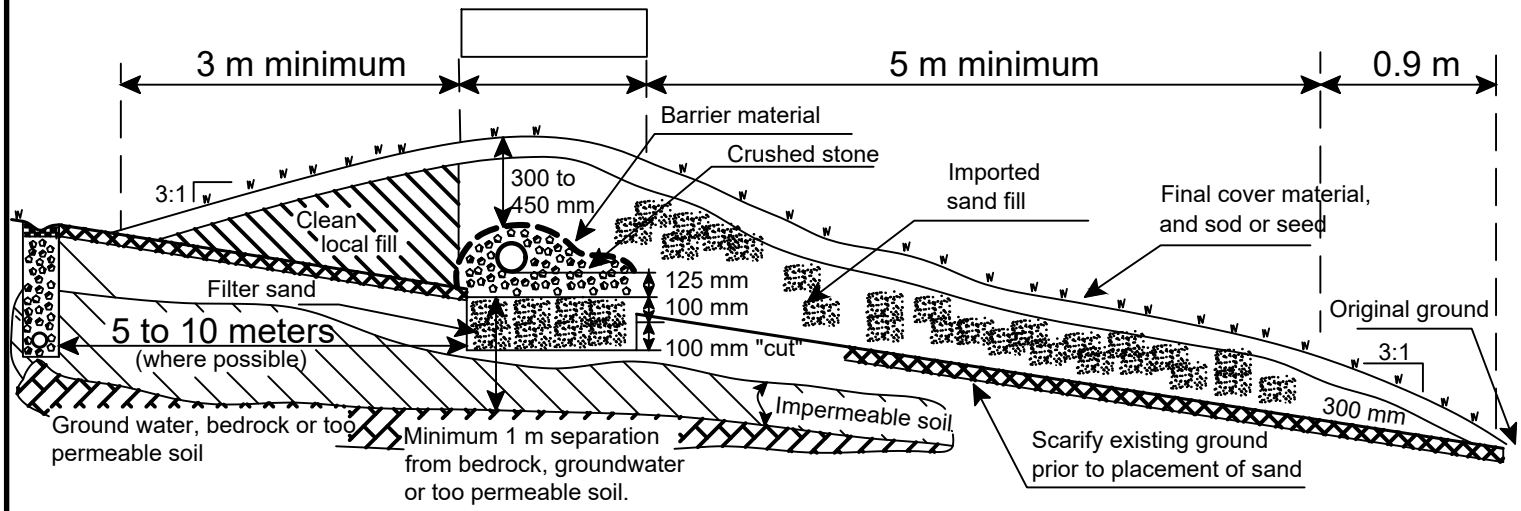
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

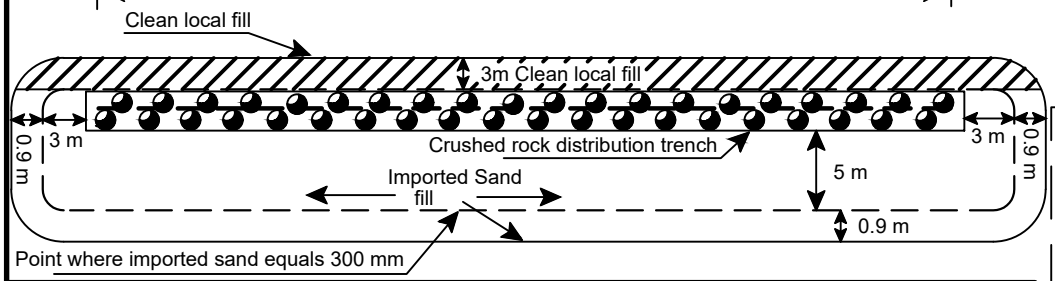
Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

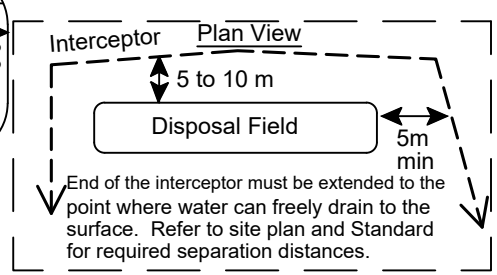
Appendix D-4 DETAILED CROSS SECTION

Raised C2



Plan View





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

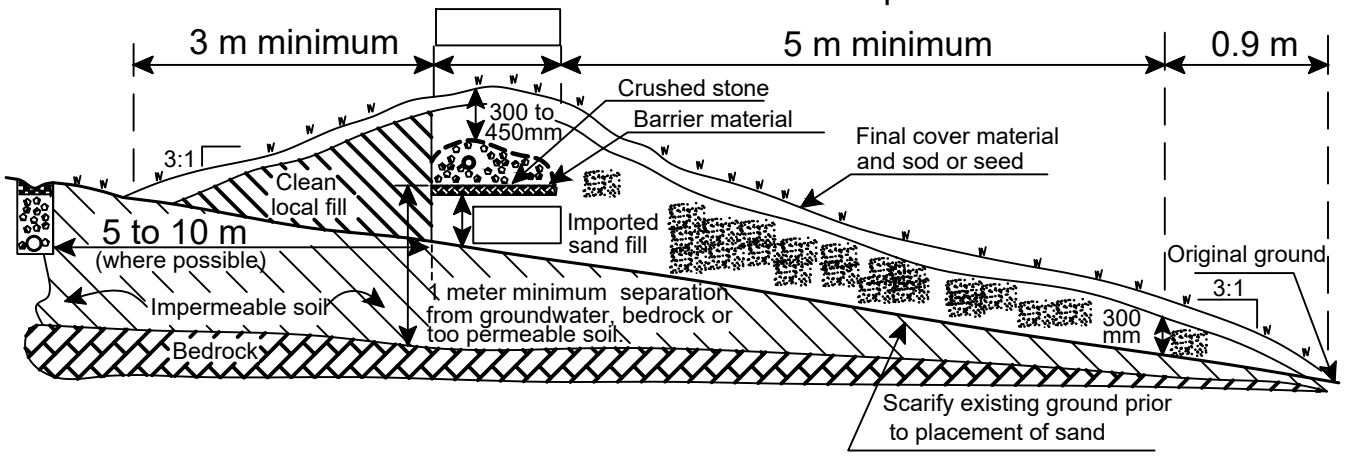
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

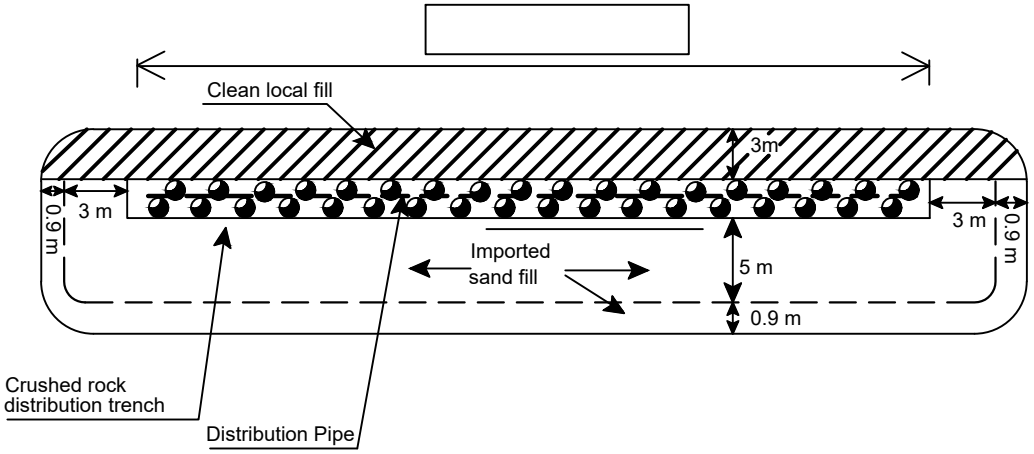
DISPOSAL FIELD REQUIREMENTS						
100	mm	Final cover material, seed or sod				
200 to 350	mm	Imported sand fill				
Required over crushed rock		Barrier material				
75	mm	Crushed rock above pipe				
	mm	Distribution pipe diameter				
	m	Distribution pipe length				
125	mm	Crushed rock below pipe				
200	mm	Filter sand	Permeability m/s:		Minutes at 20° C	
	m	Interceptor/Swale depth	Liner	Yes	No	
	mm	Imported sand fill permeability			Minutes at 20° C	

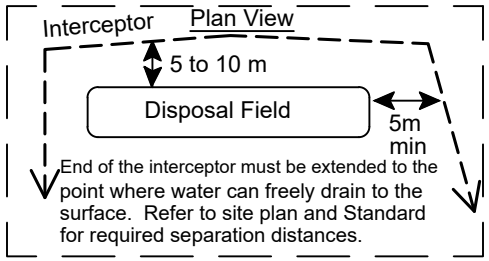
Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-5 DETAILED CROSS SECTION

C3 contour disposal field







General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

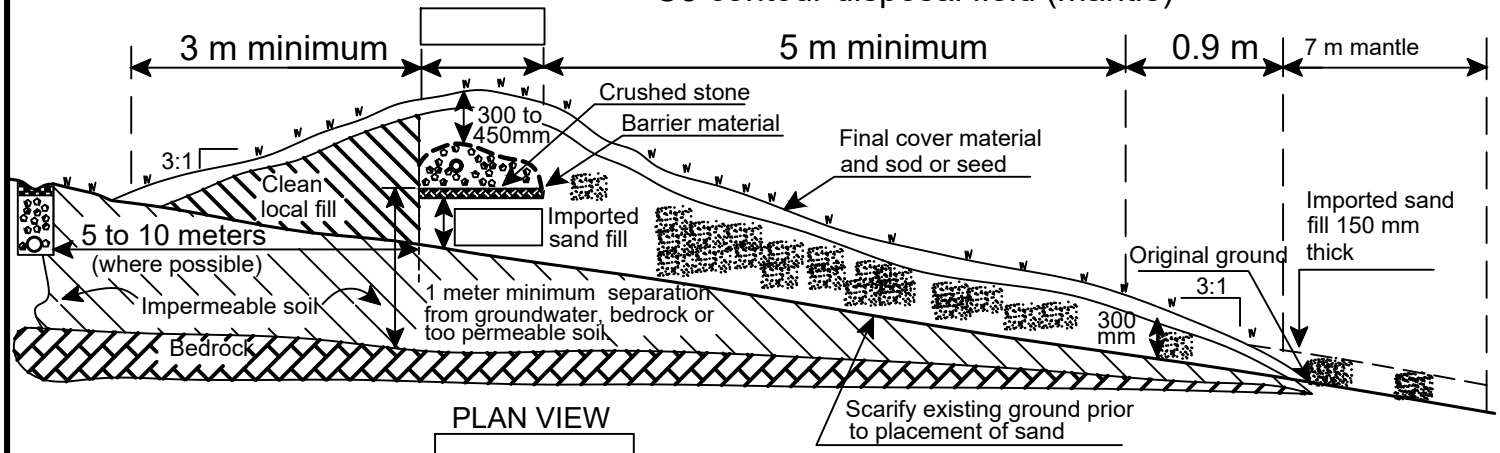
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

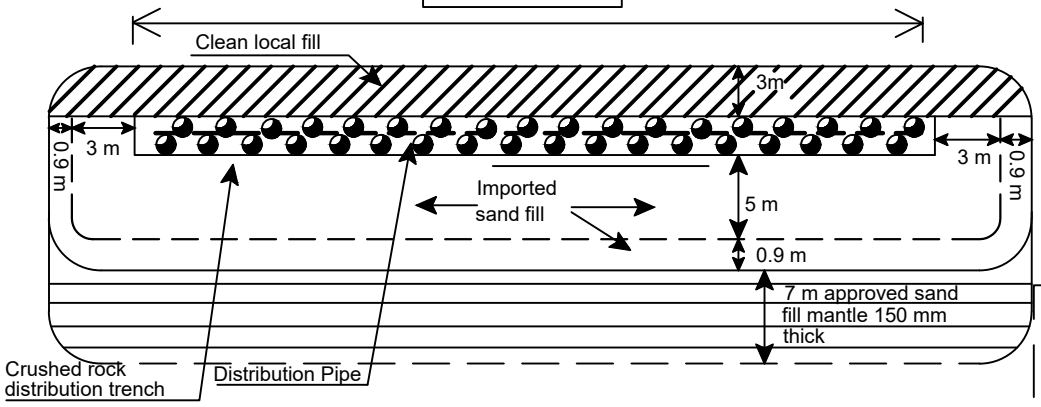
DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local backfill or Imported sand fill as indicated
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth | Liner | Yes ☐ No ☐
	mm	Imported sand fill permeability | Minutes at 20° C
	mm	Imported sand fill under distribution bed

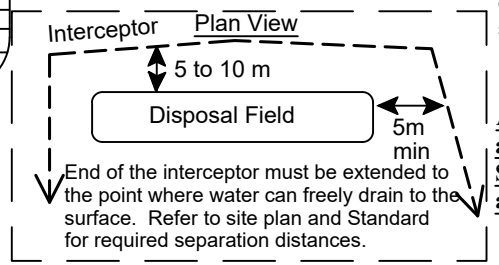
Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-6 DETAILED CROSS SECTION
C3 contour disposal field (mantle)



PLAN VIEW





100	mm	Final cover material, seed or sod
200 to 350	mm	Imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20°C
	m	Interceptor/Swale depth | Liner | Yes | No
	mm	Imported sand fill permeability | Minutes at 20°C
	mm	Imported sand fill under distribution trench
150	mm	Imported sand mantle 7 meters downslope

General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

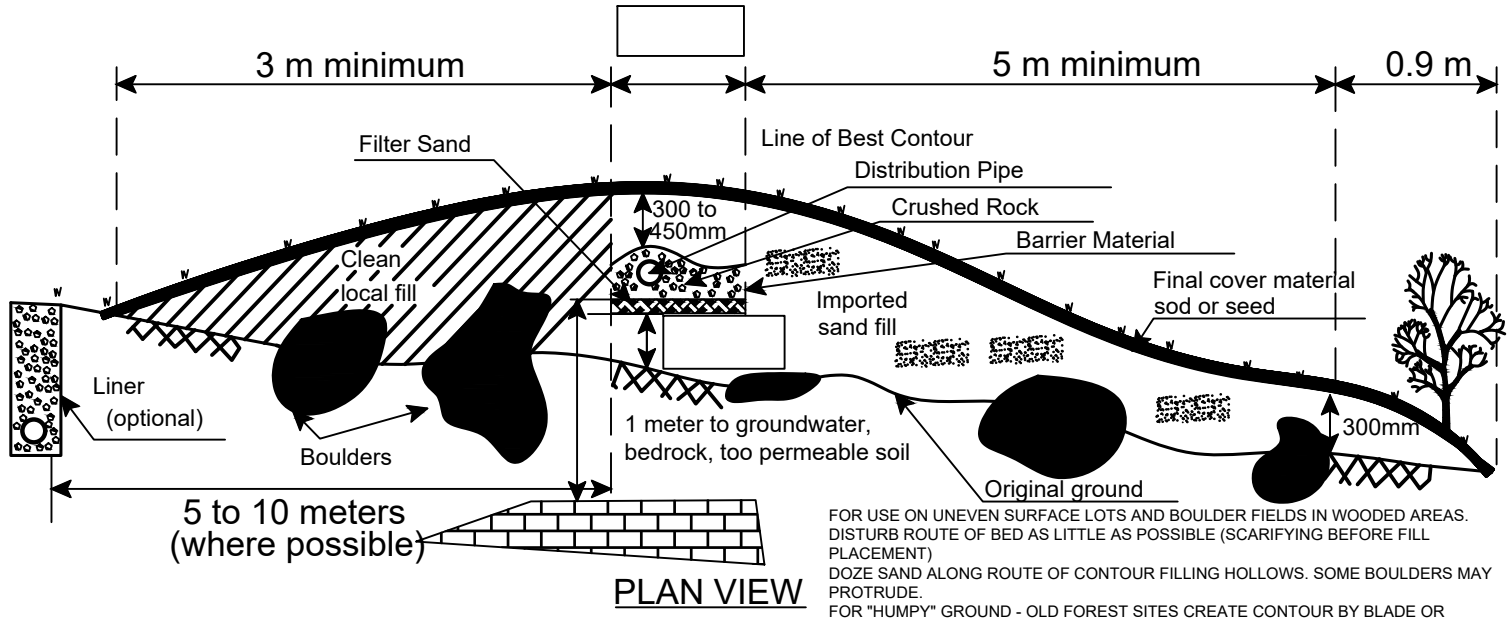
It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

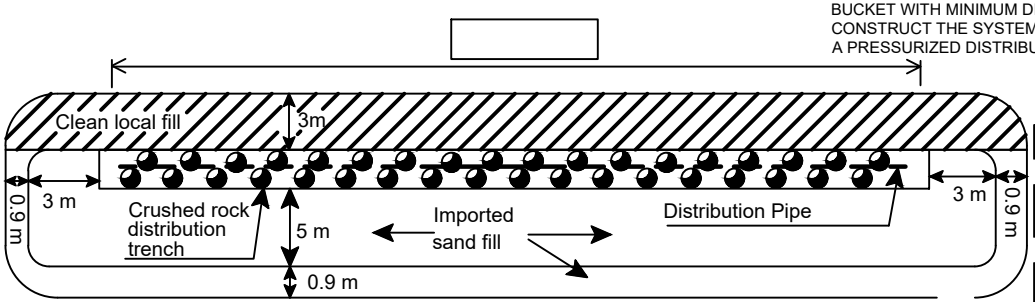
Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification No.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

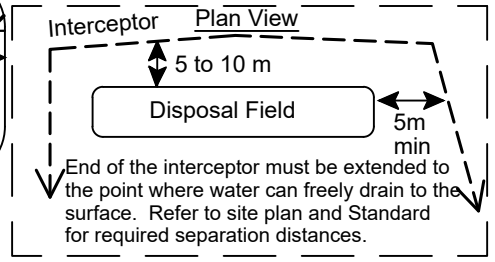
Appendix D-7 DETAILED CROSS SECTION
Modified C3 for uneven surface lot



PLAN VIEW

FOR USE ON UNEVEN SURFACE LOTS AND BOULDER FIELDS IN WOODED AREAS.
DISTURB ROUTE OF BED AS LITTLE AS POSSIBLE (SCARIFYING BEFORE FILL PLACEMENT)
DOZE SAND ALONG ROUTE OF CONTOUR FILLING HOLLOWS. SOME BOULDERS MAY PROTRUDE.
FOR "HUMPY" GROUND - OLD FOREST SITES CREATE CONTOUR BY BLADE OR BUCKET WITH MINIMUM DISTURBANCE TO THE BUFFER AREA AND THEN CONSTRUCT THE SYSTEM AT "GRADE".
A PRESSURIZED DISTRIBUTION SYSTEM IS REQUIRED.





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

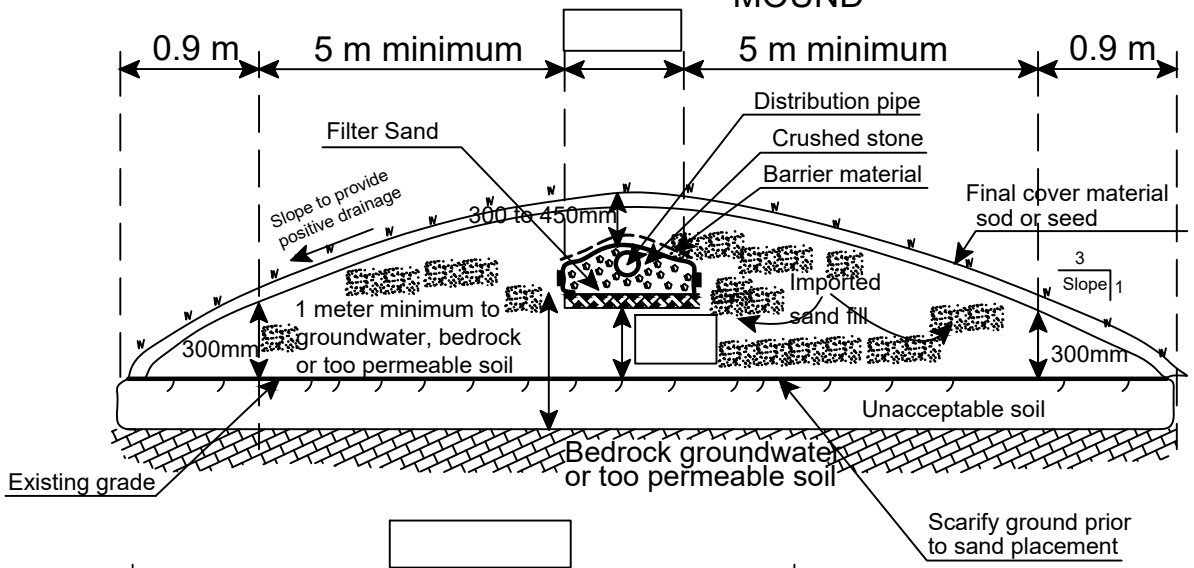
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

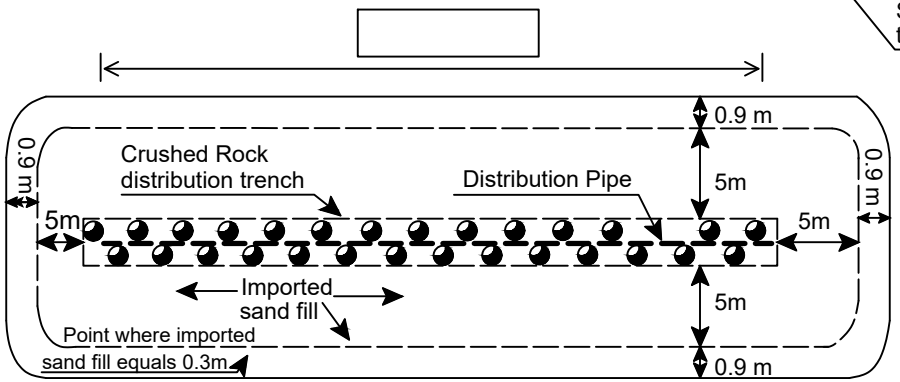
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

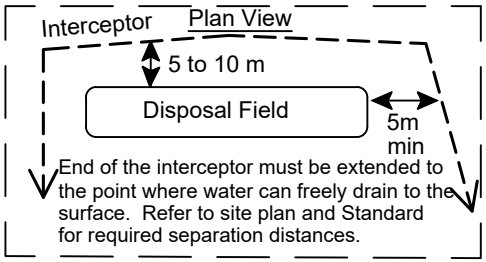
100	mm	Final cover material, seed or sod
200 to 350	mm	Imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes / No
	mm	Imported sand fill permeability | Minutes at 20° C
	mm	Imported sand fill under distribution trench

Selection Criteria:		NOT TO SCALE	
Flow (L/d):		Applicant:	
Slope (%):		Notification no.:	
Soil type:		Location:	
Soil depth (mm):		Qualified Person:	

Appendix D-8 DETAILED CROSS SECTION
MOUND







General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

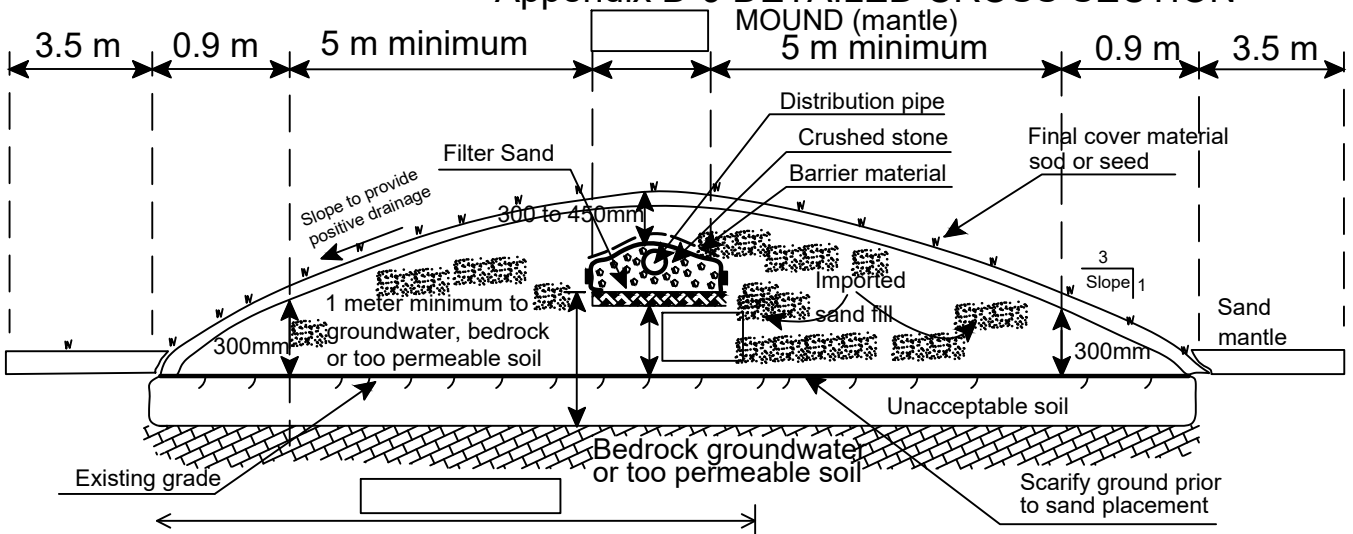
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

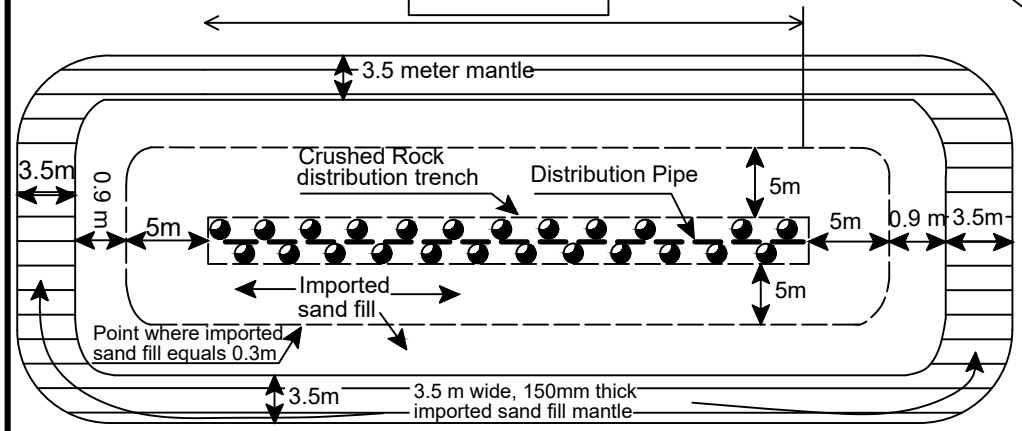
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

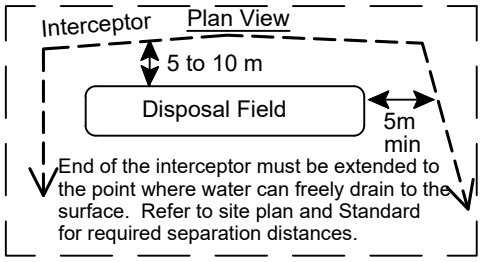
DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes ☐ No ☐
	mm	Imported sand fill permeability | Minutes at 20° C
	mm	Imported sand fill under distribution trench

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-9 DETAILED CROSS SECTION







General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

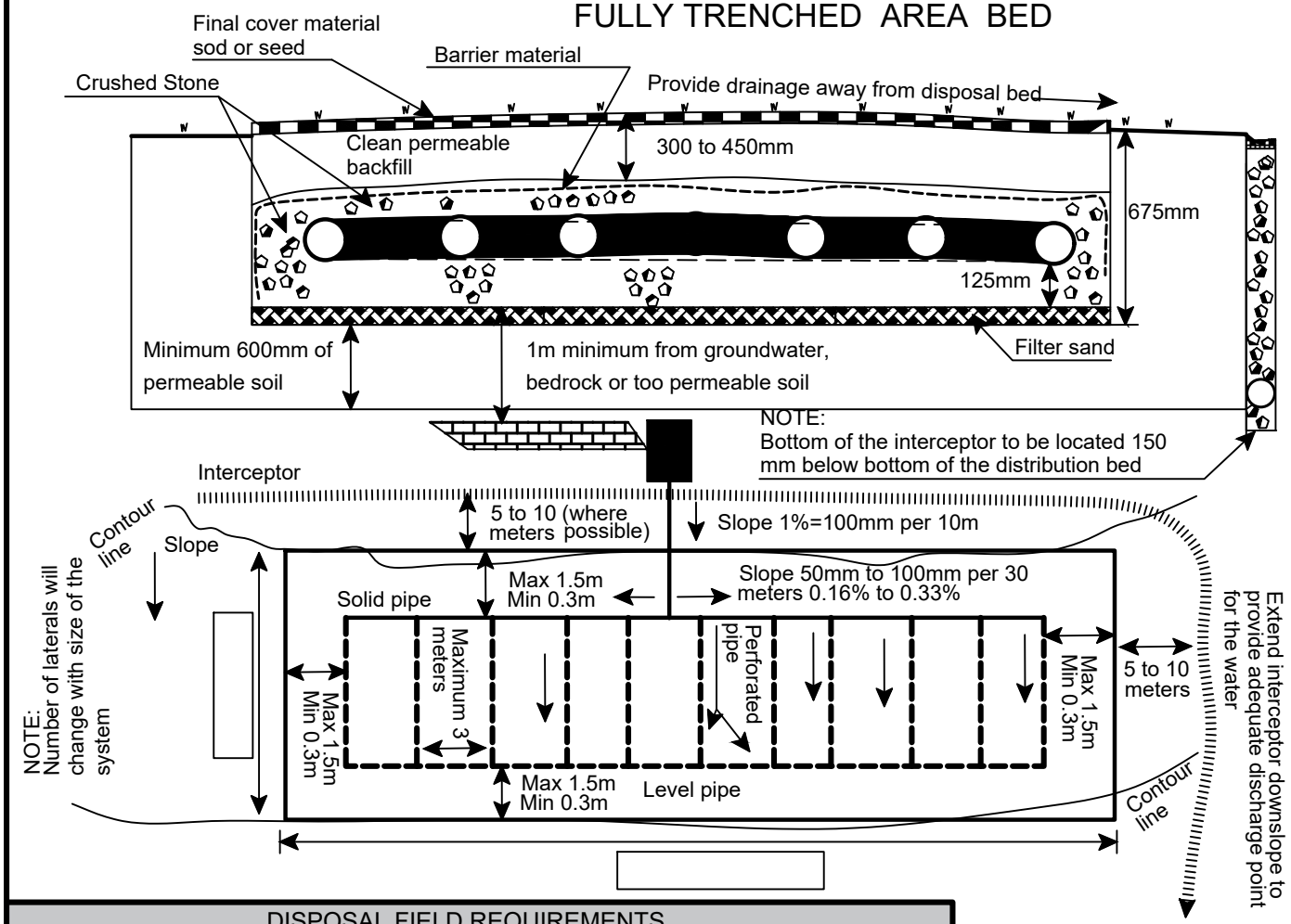
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth | Liner | Yes | No
	mm	Imported sand fill permeability | Minutes at 20° C
	mm	Imported sand fill under distribution trench
150	mm	Imported sand mantle 7 meters downslope

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-10 DETAILED CROSS SECTION
FULLY TRENCHED AREA BED



General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

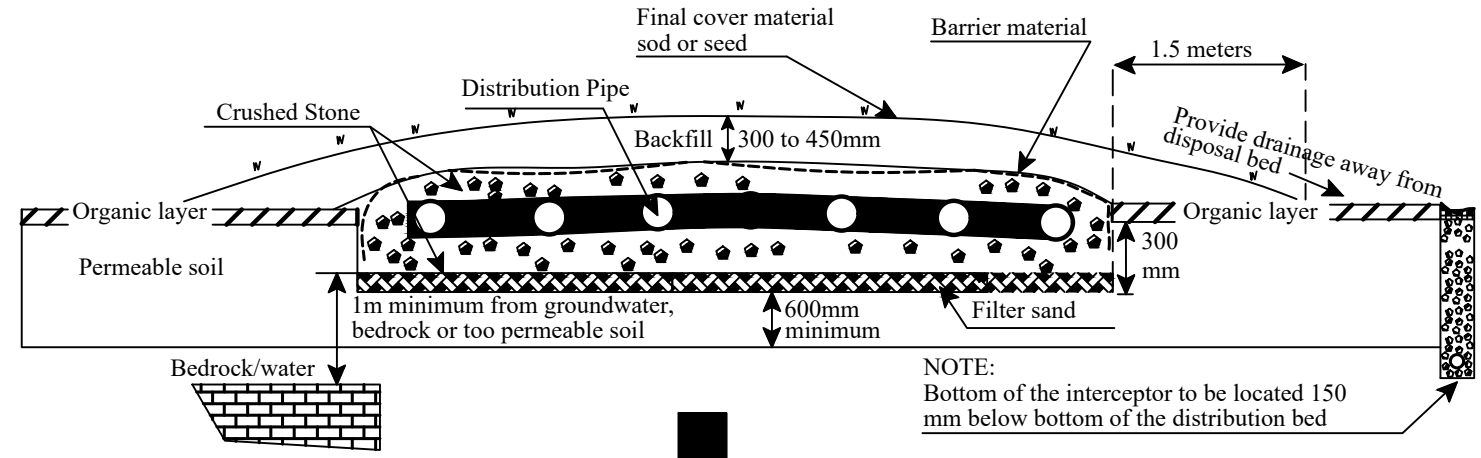
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

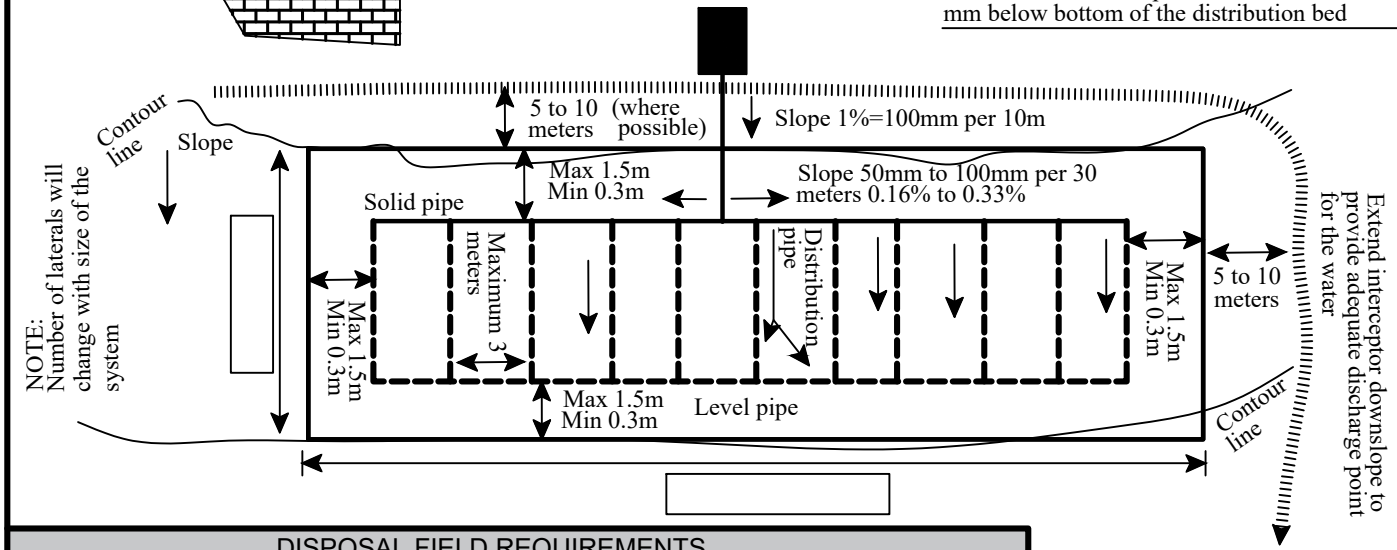
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Perforated pipe diameter
	m	Disposal bed length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes ☐ No ☐
	m	Disposal bed width
	m^2	Disposal bed area

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-11 DETAILED CROSS SECTION
PARTIALLY TRENCHED AREA BED





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

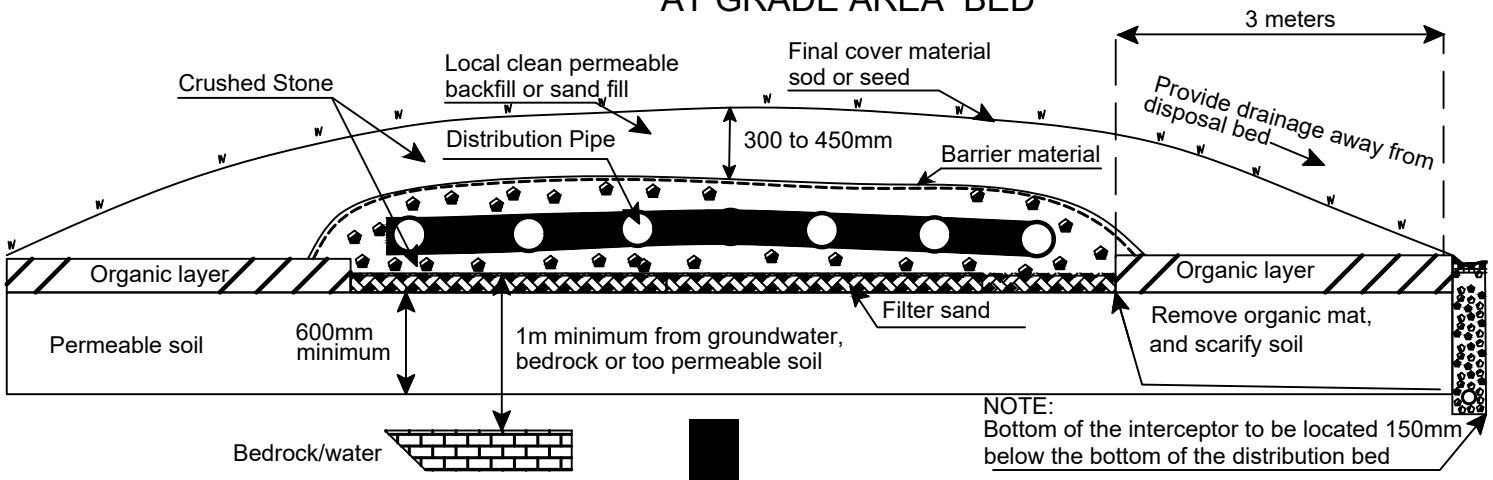
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

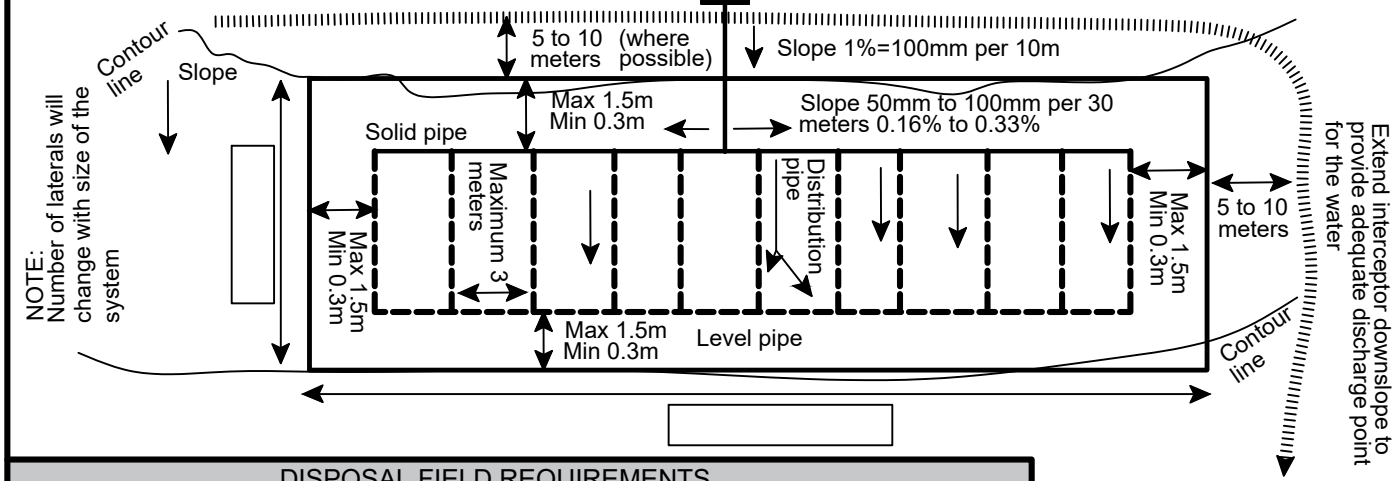
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Disposal bed length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20°C
	m	Interceptor/Swale depth Liner Yes No
	m	Disposal bed width
	m^2	Disposal bed area

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-12 DETAILED CROSS SECTION
AT GRADE AREA BED





DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Disposal bed length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth | Liner | Yes ☐ | No ☐
	m	Disposal bed width
	m^2	Disposal bed area

General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

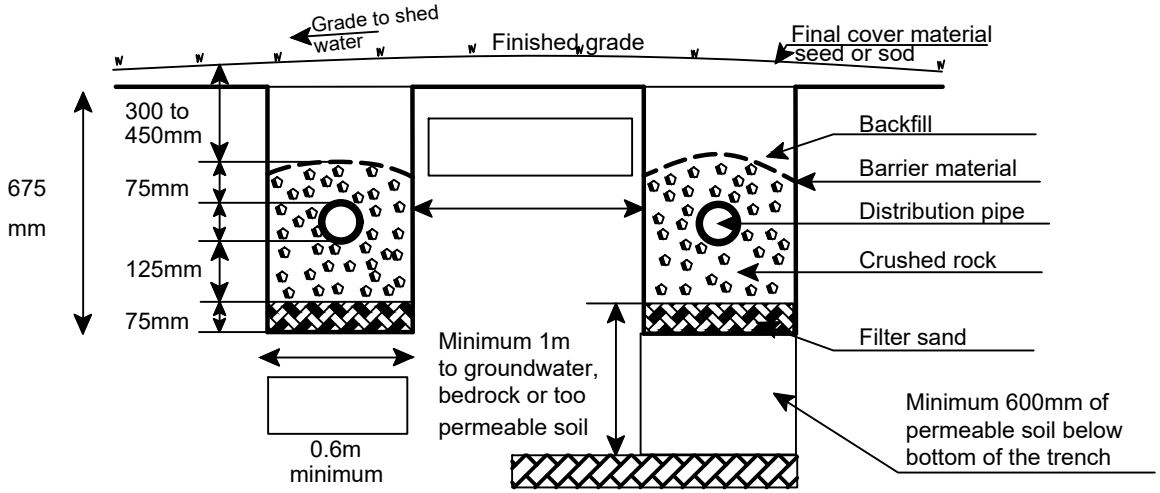
It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

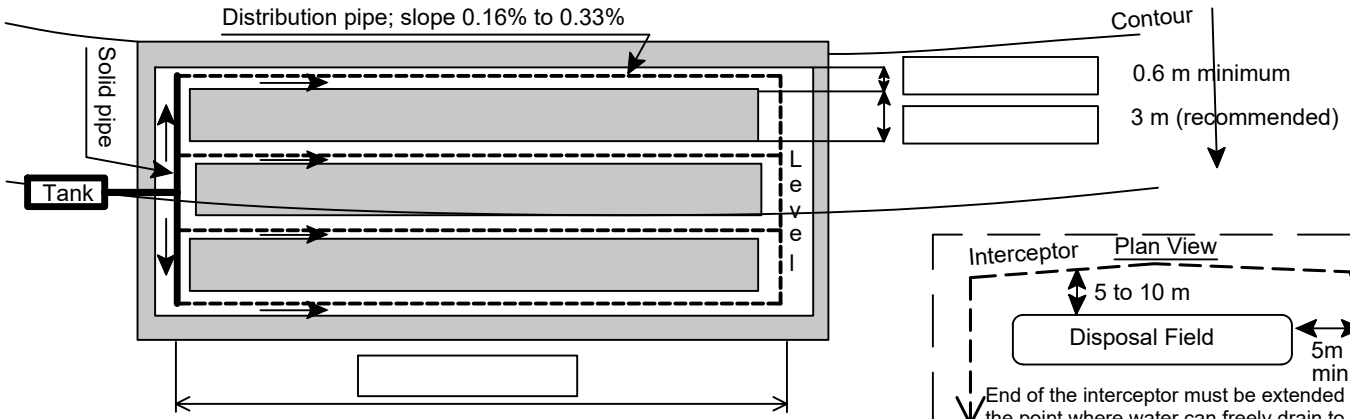
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-13 DETAILED CROSS SECTION
FULLY TRENCHED MULTIPLE TRENCH





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

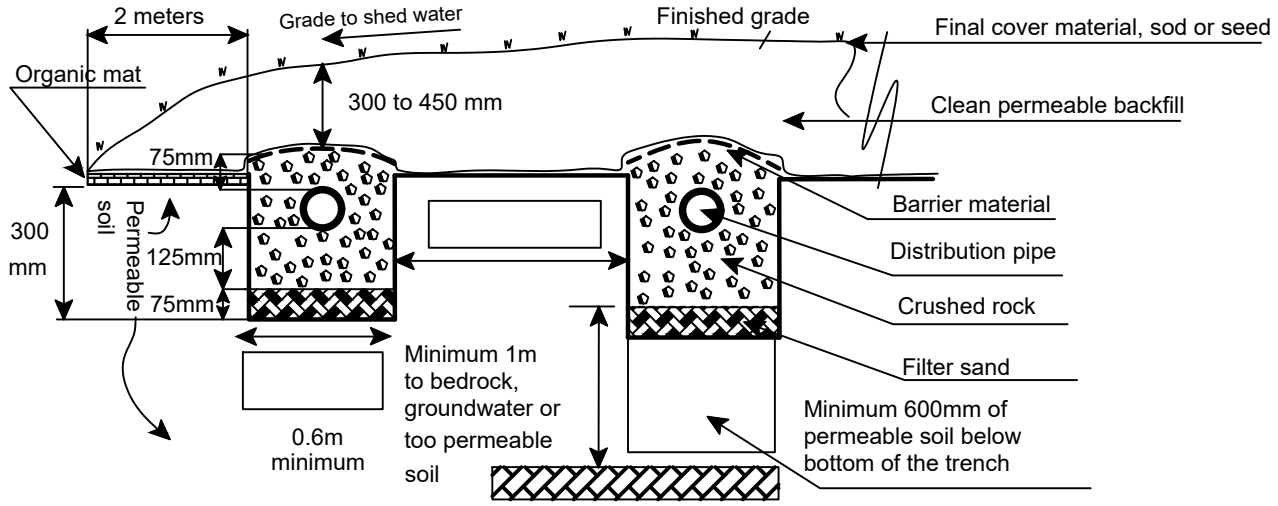
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

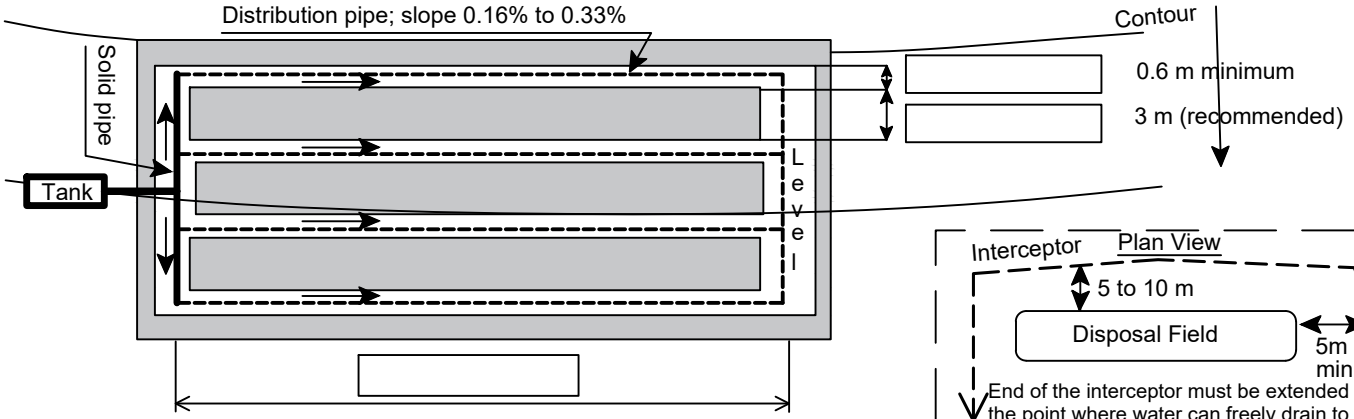
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes ☐ No ☐
		Number of trenches

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-14 DETAILED CROSS SECTION
SHALLOW MULTIPLE TRENCH





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

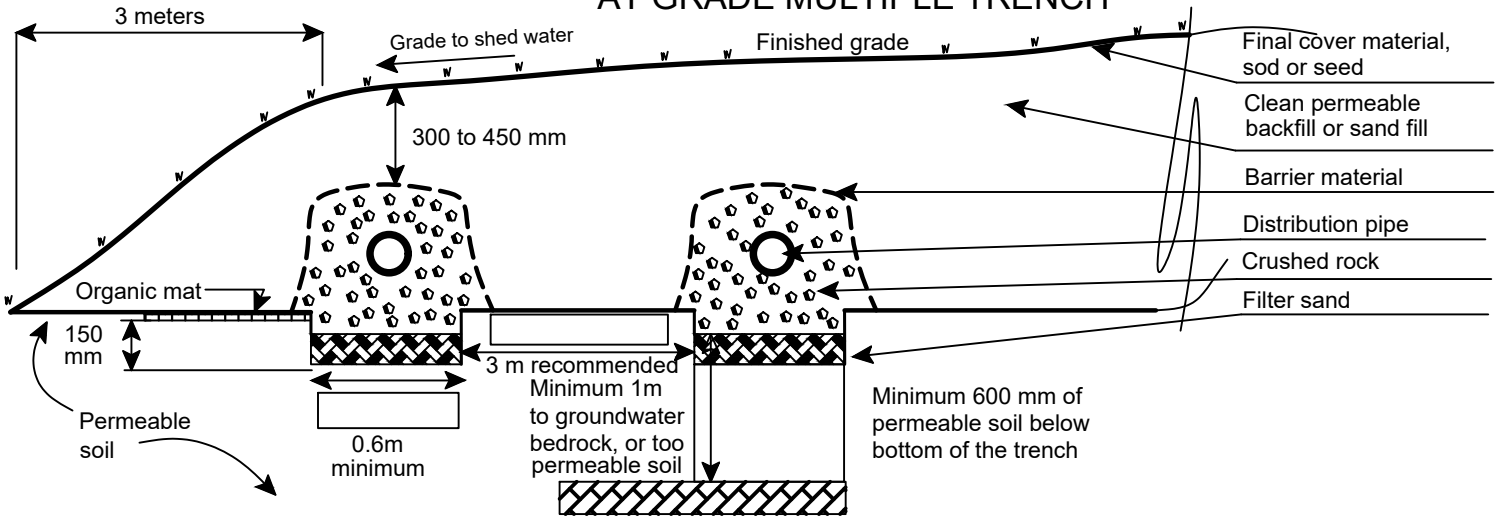
Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

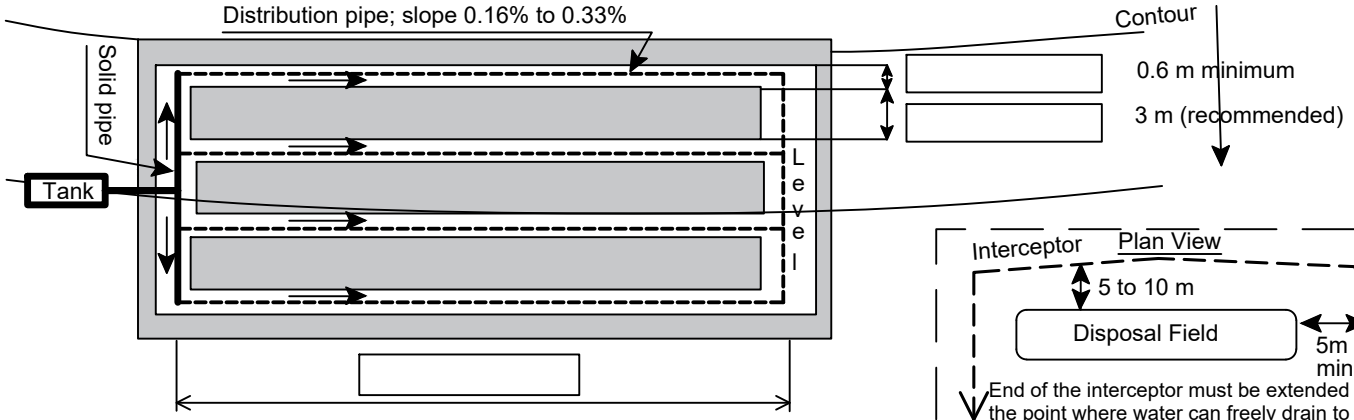
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes ☐ No ☐
		Number of trenches

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-15 DETAILED CROSS SECTION AT GRADE MULTIPLE TRENCH





General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

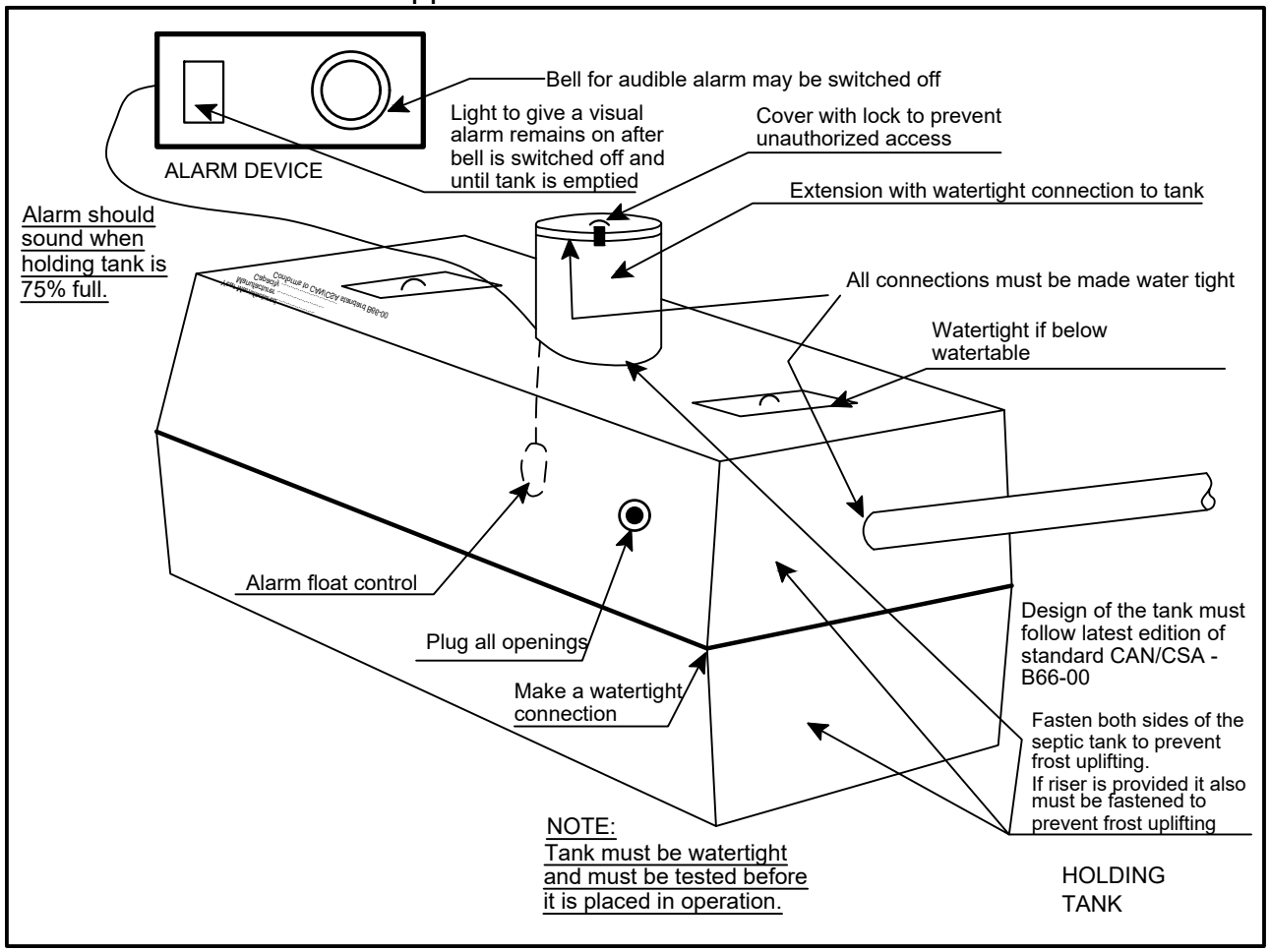
All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

DISPOSAL FIELD REQUIREMENTS		
100	mm	Final cover material, seed or sod
200 to 350	mm	Clean local permeable backfill or imported sand fill
Required over crushed rock		Barrier material
75	mm	Crushed rock above pipe
	mm	Distribution pipe diameter
	m	Distribution pipe length across slope
125	mm	Crushed rock below pipe
75	mm	Filter sand | Permeability m/s: | Minutes at 20° C
	m	Interceptor/Swale depth Liner Yes ☐ No ☐
		Number of trenches

Selection Criteria:		NOT TO SCALE
Flow (L/d):		Applicant:
Slope (%):		Notification no.:
Soil type:		Location:
Soil depth (mm):		Qualified Person:

Appendix D-16 HOLDING TANK

No overflow is to be installed and any access ports shall be made water tight with gaskets and mechanical joint fasteners.



General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of disposal system)

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the holding tank.

Steps must be taken to ensure that the proposed holding tank location is not subject to vehicular traffic that can be harmful to the structural integrity of the holding tank. Easy access for the septic tank pumper must be provided.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

HOLDING TANK INSTALLATION

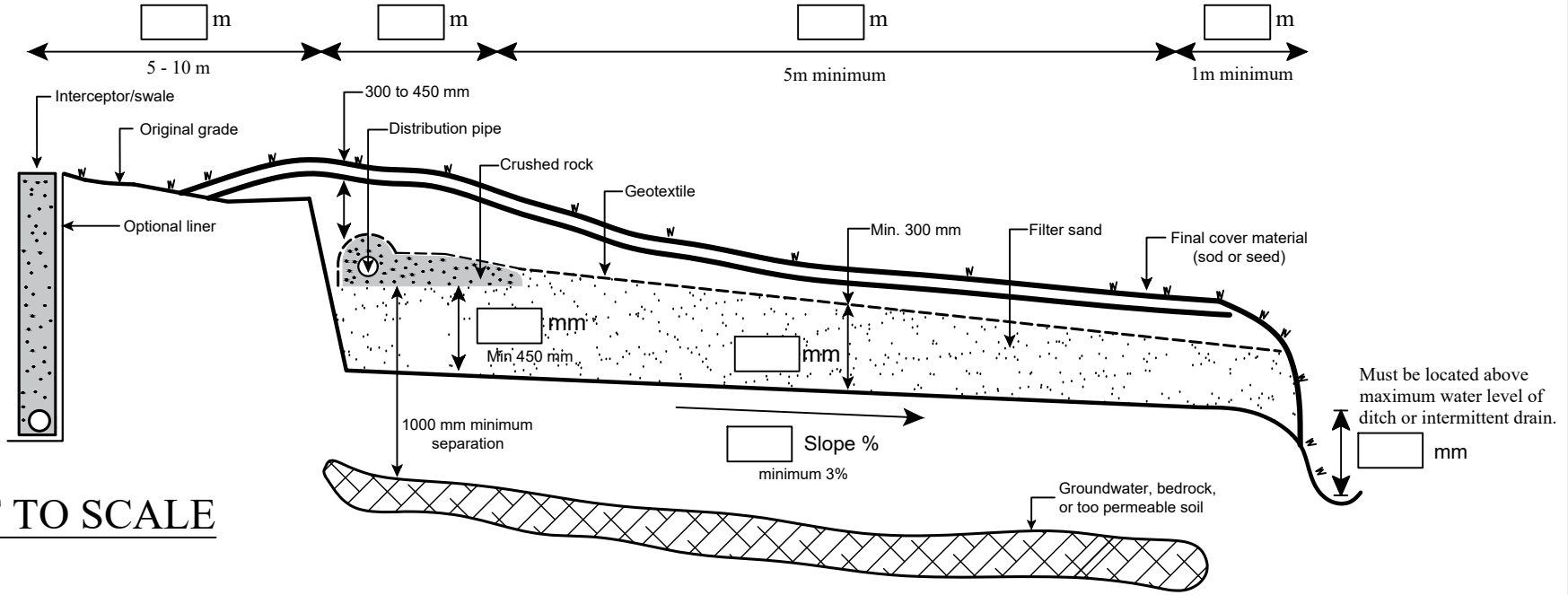
NOTE: This is a general sketch only. For construction you must use details supplied by holding tank manufacturer that include:

1. Details of assembly such as back filling, ballast, tie downs, and /or anchorage for different depths of final tank soil cover.
2. Details on the tank clean-out (extension, lock, protection against frost action).
3. Maximum and minimum depth of cover and any restrictions on traffic load.
4. Detailed excavation, bedding and backfilling requirements.

	Liters/day	Design Daily Flow
	Liters	Tank Volume (Minumum 4500 Liters)
Required		Alarm System
Required		Pumping Contract
Yes ☐	No ☐	Watertight Testing
The holding tank must be constructed such that the highest level in the tank does not exceed any horizontal joint, unless such joint is made water tight with gaskets and mechanical fasteners. See testing procedure in the On-site Guidlines and latest edition of CAN/CSA-B66-00.		
	mm	Depth of cover

Pumping Contract		NOT TO SCALE
Telephone:		Applicant:
Fax:		Notification no.:
Company		Location:
Tank Cleaner		Qualified Person:

Appendix D-17 DETAILED CROSS SECTION
SLOPING SAND FILTER- MALFUNCTION DESIGN ONLY



NOT TO SCALE

Note:

- Bottom of interceptor must be located 150 mm below bottom of the sand filter.
- Minimum basal area must be provided.

DISPOSAL FIELD REQUIREMENTS							
100 Min	mm	Final cover material, seed, or sod					
200 to 350	mm	Clean local permeable backfill					
Required over crushed rock and filter sand		Barrier material					
75	mm	Crushed rock above pipe					
	mm	Distribution pipe diameter					
	m	Distribution pipe length					
125	mm	Crushed rock below pipe					
	m/s	Filter sand	Permeability m/s:		Minutes at 20°C		
	m	Interceptor/ swale depth		Liner:	Yes ☐	No ☐	

DESIGN CRITERIA	
Flow (L/d):	
Lot slope:	
Soil type:	
Soil depth (mm):	
Notification No.:	
Location:	
Engineer:	

General Conditions

Installer shall verify location of all wells, watercourses, lot boundaries, and all elevations prior to construction (within 30 m from the location of disposal system).

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank, and pump, or dosing chamber.

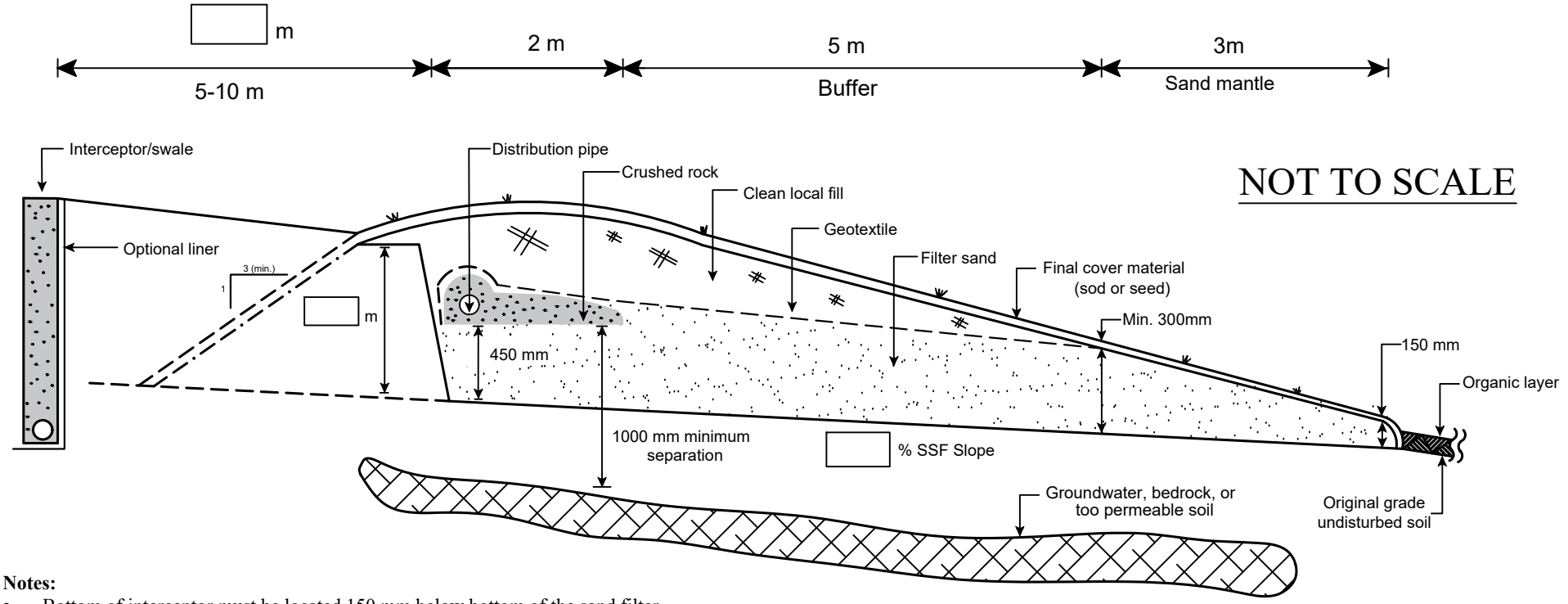
Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well, or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.

Appendix D18- DETAILED CROSS SECTION
SLOPING SAND FILTER- SELECTION



Notes:

- Bottom of interceptor must be located 150 mm below bottom of the sand filter.
- Backfill around filter to be low permeability clean local fill compacted in 200 mm lifts.
- If low permeability fill is not available, 12 total mils of impermeable membrane can be used around the filter.
- Use of a liner on the bottom of the filter is not allowed.

DISPOSAL FIELD REQUIREMENTS				
100 Min	**mm**	**Final cover material, seed, or sod**		
200 to 350	**mm**	**Clean local permeable backfill**		
Required over crushed rock and filter sand		**Barrier material**		
75	**mm**	**Crushed rock above pipe**		
	mm	**Distribution pipe diameter**		
	m	**Distribution pipe length**		
125	**mm**	**Crushed rock below pipe**		
	m	**Interceptor/swale depth**	**Liner:** Yes ☐ No ☐	
	m/s	**Filter sand Permeability**	**Minutes at 20°C**	

SELECTION CRITERIA	
Flow (L/d):	
Lot slope:	
Soil Type:	
Soil depth (mm):	
Notification No.	
Location:	
Qualified Person/ Engineer:	

General Conditions

Contractor shall verify location of all wells, watercourses, lot boundaries, and all elevations prior to construction (within 30 m from the location of disposal system).

Roof, foundation and lot drainage must be directed away from disposal field, septic tank and pump (siphon) chamber.

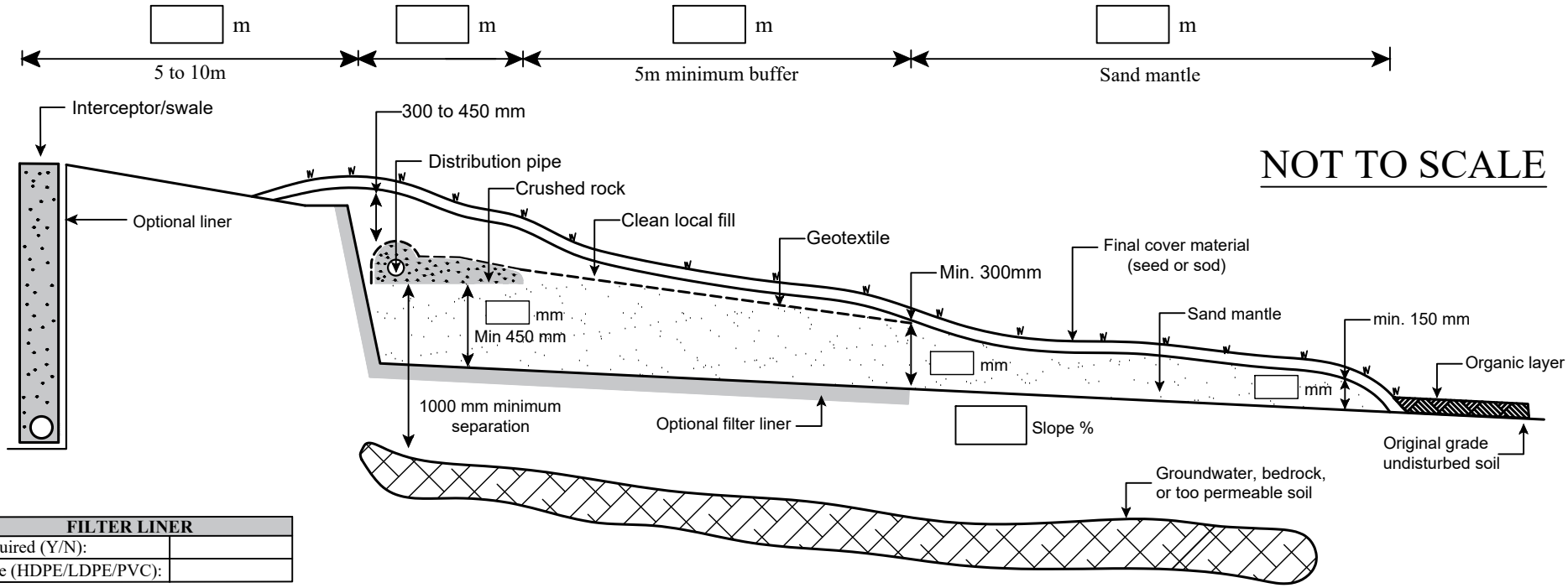
Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation, or stockpiling of excavated material etc,.

It is the applicant's responsibility to assure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Standard.

Appendix D-19 DETAILED CROSS SECTION
SLOPING SAND FILTER– DESIGN



NOT TO SCALE

FILTER LINER	
Required (Y/N):	
Type (HDPE/LDPE/PVC):	

LINER SPECIFICATIONS:
Provide 20 mils HDPE, LDPE, or PVC geomembrane liner. All joints must be properly welded and tested according to manufacturers recommendations, to provide a watertight connection.

Notes:
- Bottom of the interceptor must be located 150mm below bottom of the sand filter.
- Minimum basal area must be provided.
- When liner is used, 50 mm sand cushion is required.

DISPOSAL FIELD REQUIREMENTS						
100 Min	mm	Final cover material, seed, or sod				
200 to 350	mm	Clean local permeable backfill				
Required over crushed rock and filter sand		Barrier material				
75	mm	Crushed rock above pipe				
	mm	Distribution pipe diameter				
	m	Distribution pipe length				
125	mm	Crushed rock below pipe				
	m/s	Filter sand	Permeability m/s:		Minutes at 20°C	
	m	Interceptor/ swale depth		Liner:	Yes ☐	No ☐
		Sand cushion			Yes ☐	No ☐

DESIGN CRITERIA	
Flow (L/d):	
Lot slope:	
Soil type:	
Soil depth (mm):	
Notification No.:	
Location:	
Engineer:	

General Conditions
Installer shall verify location of all wells, watercourses, lot boundaries and all elevations prior to construction (within 30 m from the location of distribution trench).

Backwash water from water treatment devices must not be discharged to the on-site sewage disposal system unless the system is designed by a professional engineer.

Roof, foundation and lot drainage must be directed away from the disposal field, septic tank and pump or dosing chamber.

Steps must be taken to ensure that the proposed disposal field area is not subject to vehicular traffic or any other disturbance such as excavation or stockpiling of excavated material etc.

It is the applicants responsibility to ensure that the construction of foundations, driveway, well or any other development on the lot will not impact on the feasibility of on-site sewage disposal field installation.

Disposal System must be installed by a contractor licensed to install on-site sewage disposal systems in Nova Scotia.

All work must be completed in accordance with the Nova Scotia On-Site Sewage Disposal Systems Regulations and Standard.