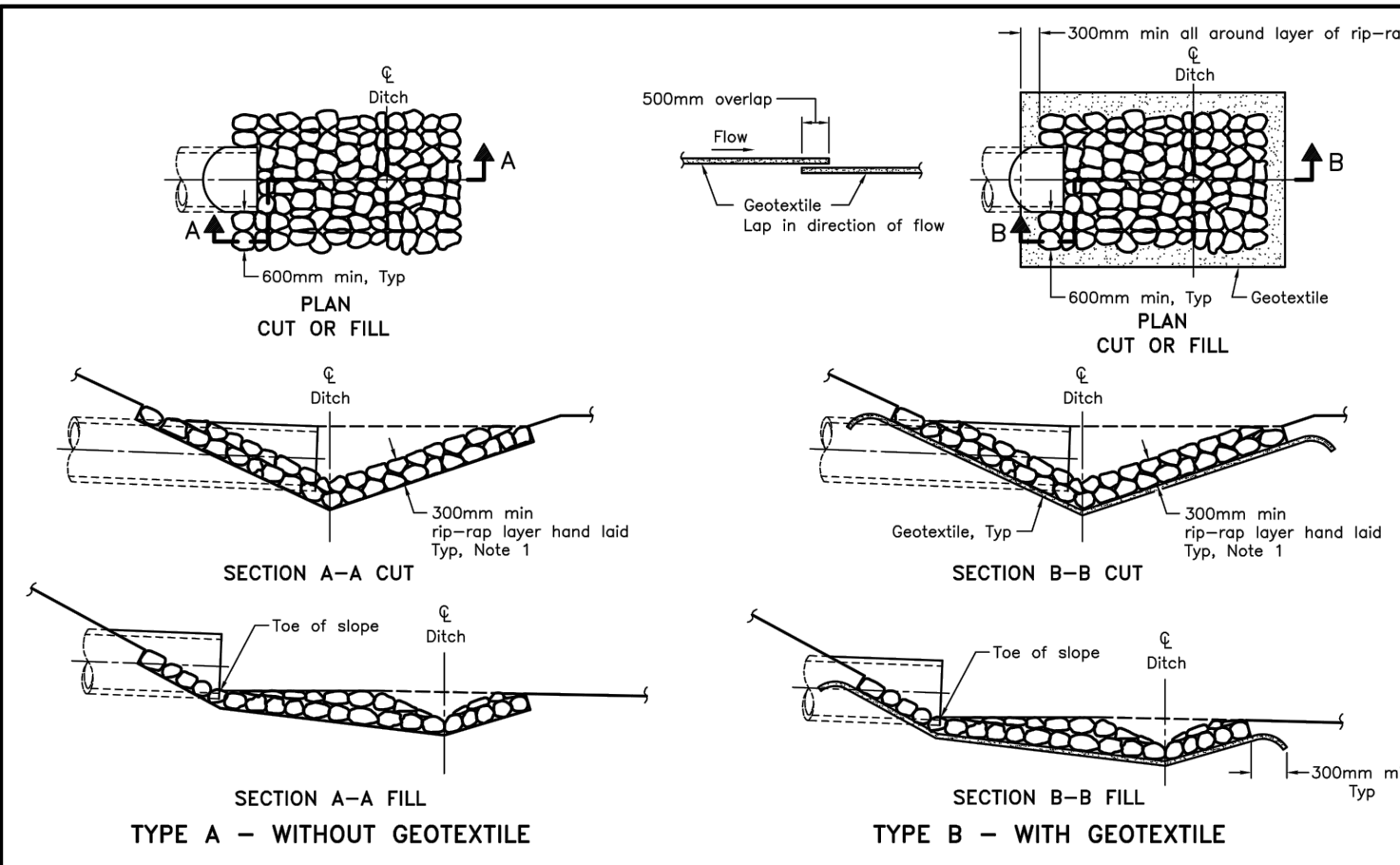
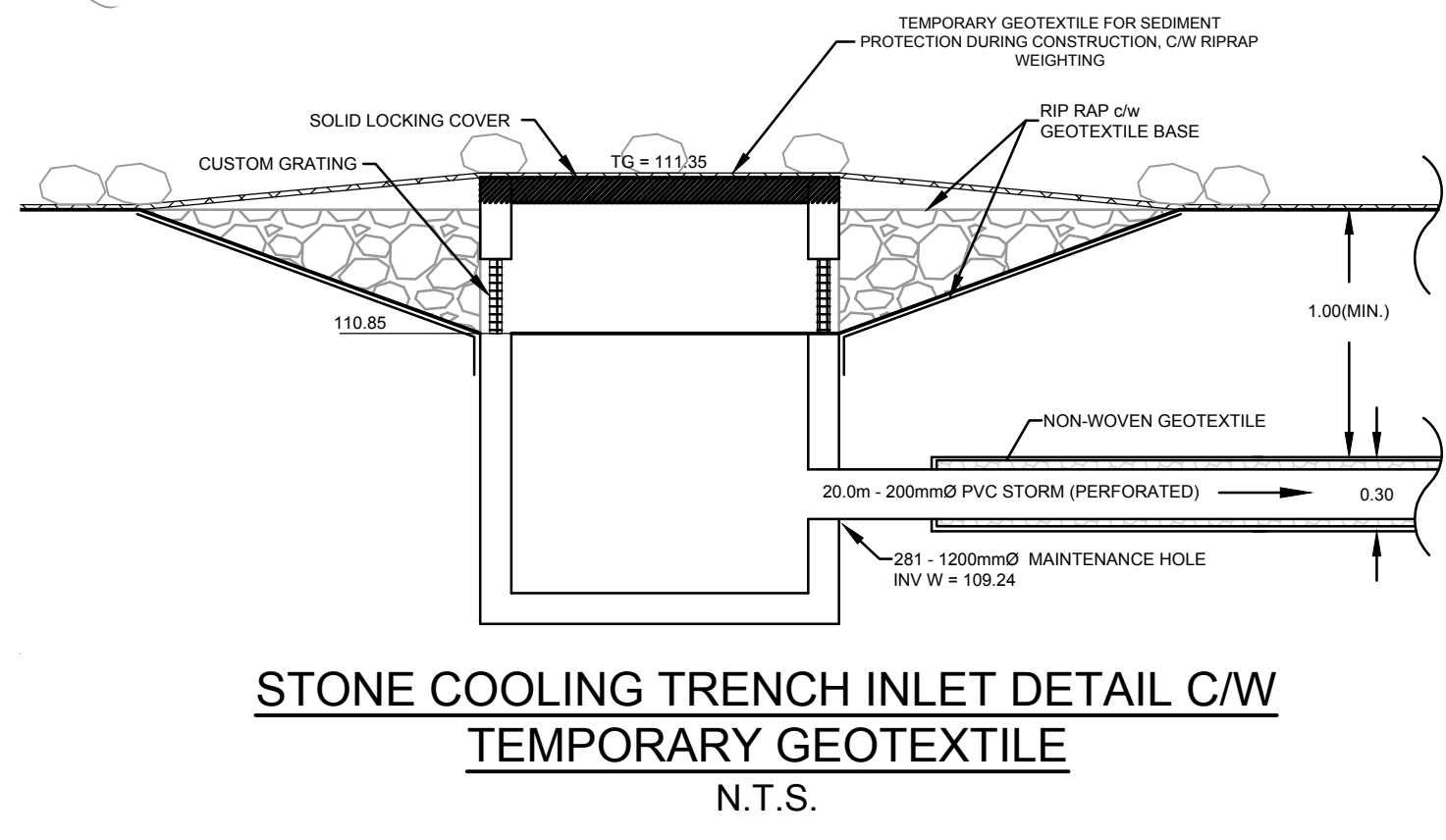


EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA AND CONSERVATION AUTHORITY (MCA), APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
- THE EROSION AND SEDIMENT CONTROL PLANS ARE TO BE READ IN CONJUNCTION WITH THE ENVIRONMENTAL IMPACT STATEMENT AND TREE CONSERVATION REPORT PREPARED BY MUNCASTER ENVIRONMENTAL PLANNING INC. DATED NOVEMBER, 2021.
- THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- THE CONTRACTOR IS TO INSTALL FILTER BAGS UNDER ROADWAY AND REARWARD CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES. FILTER BAGS MUST BE KEPT IN PLACE AND REGULARLY INSPECTED AND MAINTAINED UNTIL SOD OR VEGETATION HAS FULLY ESTABLISHED.
- THE CONTRACTOR IS TO INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER.
- THE CONTRACTOR IS ADVISED THAT THE EXISTING VORTECHS UNIT WILL REMAIN IN SERVICE DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN FREE OF DEBRIS, MONITOR ON A REGULAR BASIS, AND CLEAN AS REQUIRED (AT LEAST ONCE A YEAR).
- THE CONTRACTOR IS TO INSPECT ALL EROSION AND SEDIMENT CONTROL DAILY DURING ACTIVE CONSTRUCTION AND IMMEDIATELY AFTER EVERY RAINFALL EVENT, SIGNIFICANT SNOWMELT EVENT, AND ANY EXTREME WEATHER EVENT, AND REPAIR ANY DAMAGED OR NON FUNCTIONING MEASURES IMMEDIATELY.
- THE CONTRACTOR SHALL ENSURE THAT RECORDS OF INSPECTION, INCLUDING AT A MINIMUM, THE INSPECTOR'S NAME, DATE OF INSPECTION, VISUAL OBSERVATIONS, AND ANY NECESSARY REMEDIAL MEASURES TO MAINTAIN INTERIM ESC MEASURES.
- THE EROSION AND SEDIMENT CONTROL PLANS ARE TO BE CONSIDERED A LIVING DOCUMENT WHICH MAY BE MODIFIED IN THE EVENT THE EROSION AND SEDIMENT CONTROL MEASURES ARE INSUFFICIENT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL THE SITE HAS STABILIZED, AFTER WHICH ANY SUCH MEASURES THAT ARE NOT PERMANENT, AS PER THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, SHALL BE REMOVED IN A MANNER THAT MINIMIZES DISTURBANCE TO THE SITE. THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN, IN THE OPINION OF THE ENGINEER, THE MEASURES ARE NO LONGER REQUIRED. NO CONTROL MEASURES MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER.
- FOR MATERIAL STOCKPILING, MINIMIZE THE AMOUNT OF EXPOSED MATERIALS AT ANY GIVEN TIME. APPLY TEMPORARY SEEDING, TARPING, COMPACTION AND/OR SURFACE ROUGHENING AS REQUIRED TO STABILIZE STOCKPILED MATERIALS THAT WILL NOT BE USED WITHIN 14 DAYS.
- ROADWAYS ARE TO BE SWEEP AS REQUIRED OR AS DIRECTED BY THE ENGINEER AND/OR THE REPRESENTATIVE OF THE CITY OF OTTAWA.

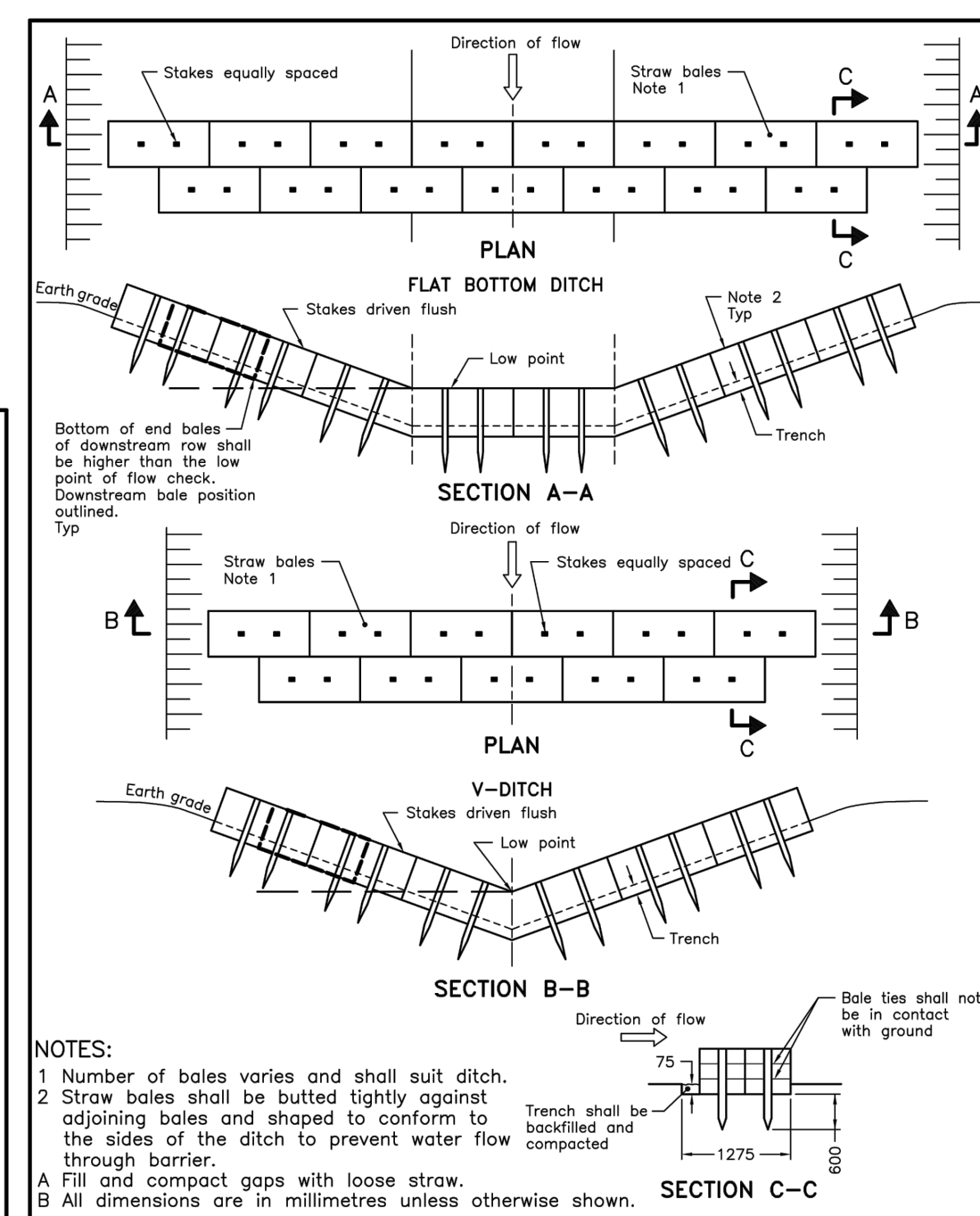
ESC Measure	Symbol	OPSD No.	During Construction		After Construction Prior to Final Acceptance		After Final Acceptance
			Installation Responsibility	Inspection Responsibility	Inspection/Maintenance Responsibility	Removal Responsibility	Inspection/Maintenance Responsibility
Light-Duty Silt Fence	○—○—○	219.110	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Heavy-Duty Silt Fence	○—○—○	219.130	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Straw Bale Flow Check Dam	■	219.180	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Filter Bags	○	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Mud Mats	■	N/A	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Geotextile Protection of Cooling Trench Inlet	○	N/A	Developer's Contractor	Developer's Contractor	Developer	Developer	N/A
Rock Flow Check Dam	■	219.211	Developer's Contractor	Developer's Contractor	Developer	N/A	Municipality
Vortech Unit	■	N/A	Developer's Contractor	Developer's Contractor	Developer	N/A	Municipality
Riprap	■	810.010	Developer's Contractor	Developer's Contractor	Developer	N/A	Municipality
Roof Leaders Directed to Grassed Areas	N/A	N/A	Builder	Builder	Homeowner	N/A	Homeowner
Roadside Ditches, Swales (Grading and Vegetation)	N/A	N/A	Developer's Contractor	Developer's Contractor	Developer	N/A	Municipality



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 3

GENERAL RIP-RAP LAYOUT FOR SEWER AND CULVERT OUTLETS

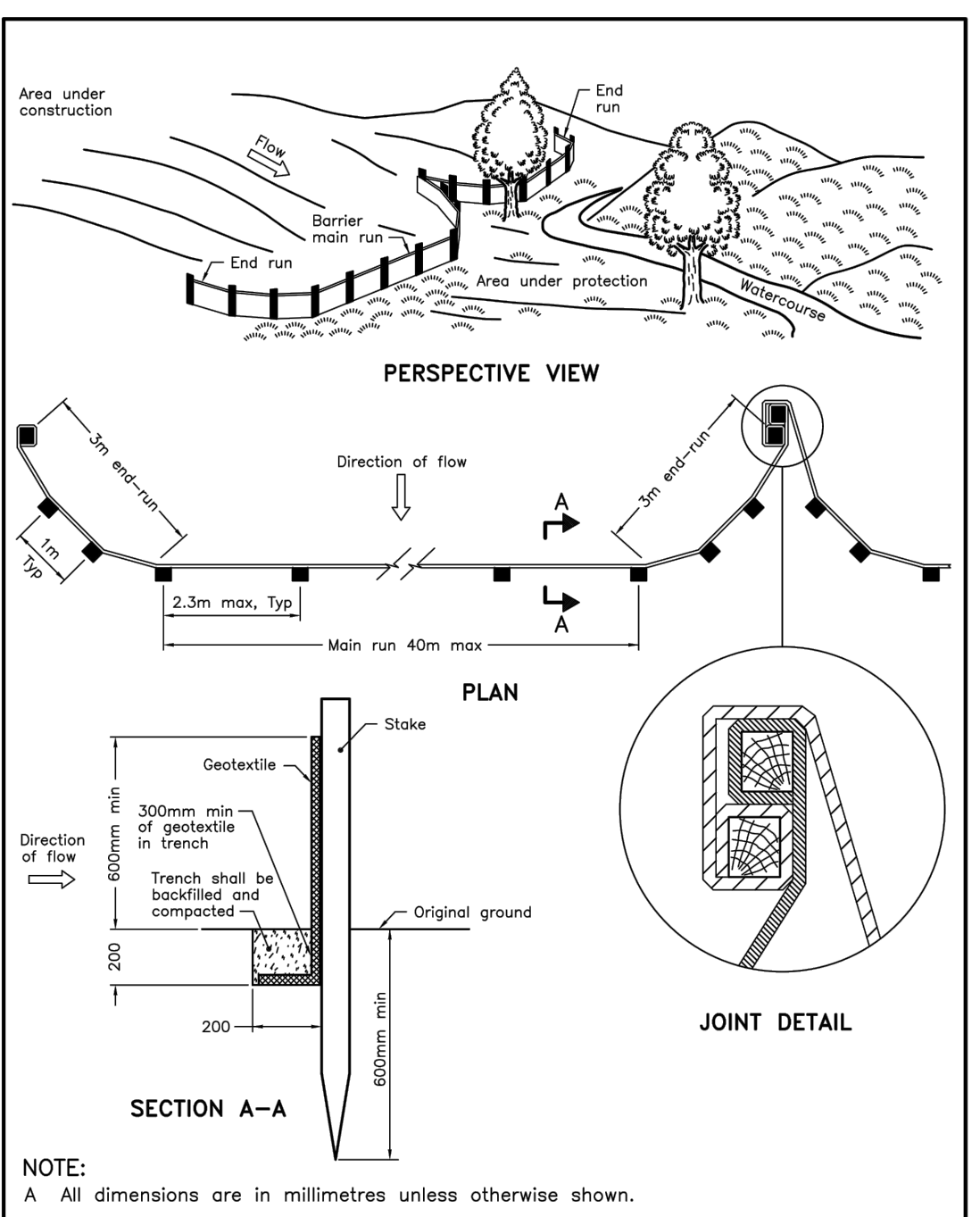
OPSD 810.010



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3

STRAW BALE FLOW CHECK DAM

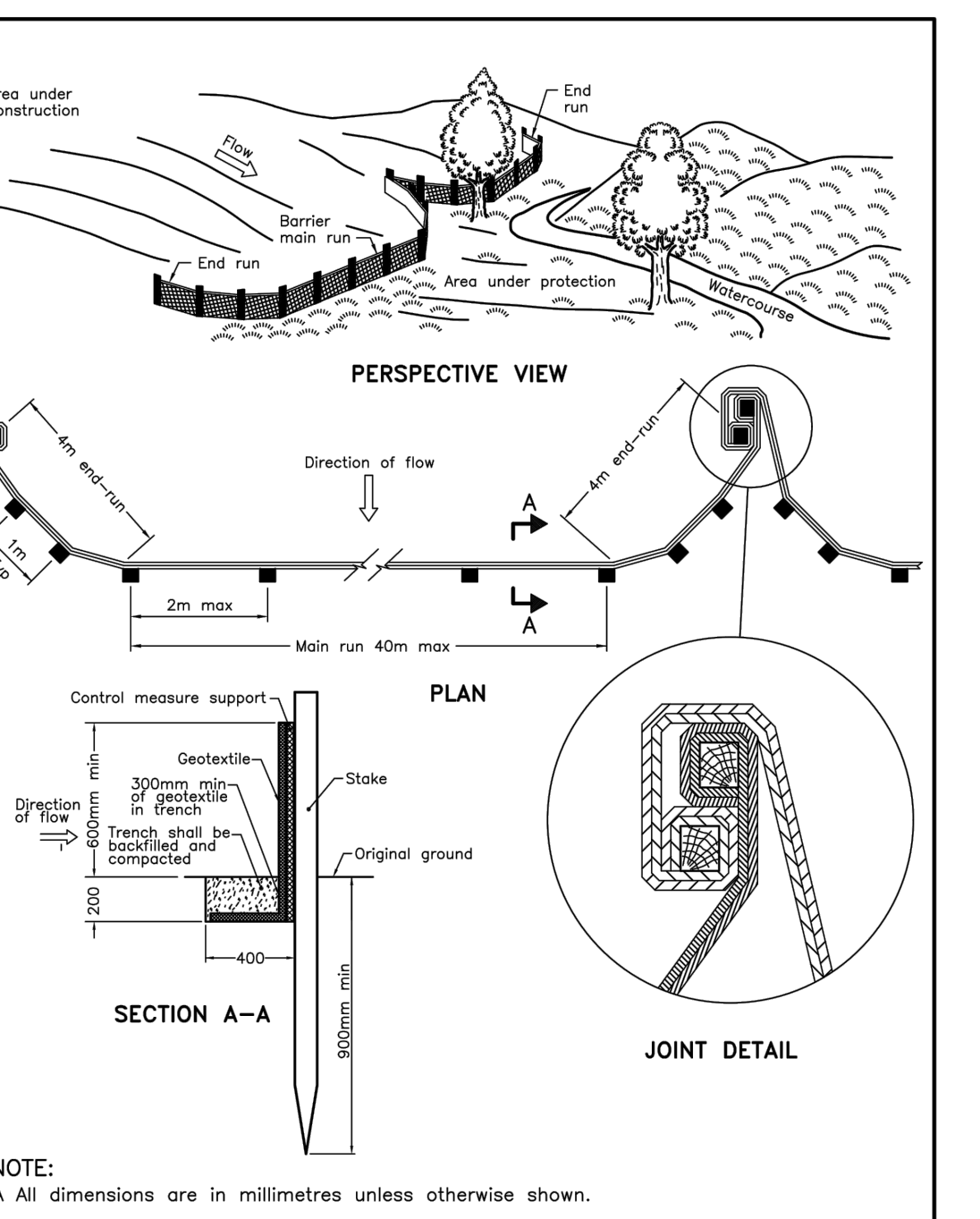
OPSD 219.180



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3

LIGHT-DUTY SILT FENCE BARRIER

OPSD 219.110



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3

HEAVY-DUTY SILT FENCE BARRIER

OPSD 219.130

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NO.	REVISION	DATE	BY
6.	ISSUED FOR REGISTRATION AND ECA	JUN 28/24	ARM
5.	REVISED POND INLET SWALE	MAY 14/24	ARM
4.	REVISED PER CITY COMMENTS	FEB 20/24	ARM
3.	ISSUED WITH ADDENDUM #2 (NO CHANGES)	JAN 5/24	ARM
2.	ISSUED FOR TENDER	DEC 7/23	ARM
1.	ISSUED FOR REVIEW	JUL 28/23	ARM

SCALE: 1:1000

APPROVED: SMG

LOCATION: CITY OF OTTAWA WEST CAPITAL AIRPARK

DRAWING NAME: EROSION & SEDIMENT CONTROL PLAN

PROJECT NO: 102085

REV # 6

DRAWING NO: 102085-ESC3

NOVATECH Engineers, Planners & Landscape Architects Suite 200, 240 Michael Cowpland Drive Ottawa, Ontario, Canada K2M 1P6 Telephone: (613) 254-9643 Facsimile: (613) 254-5867 Website: www.novatech-eng.com