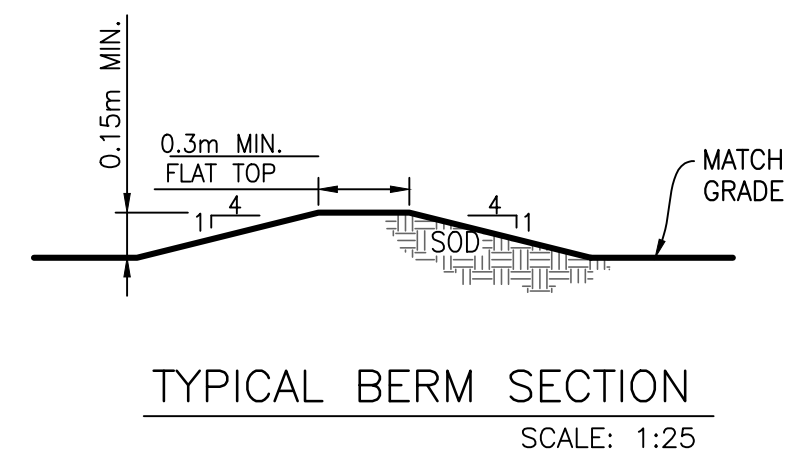
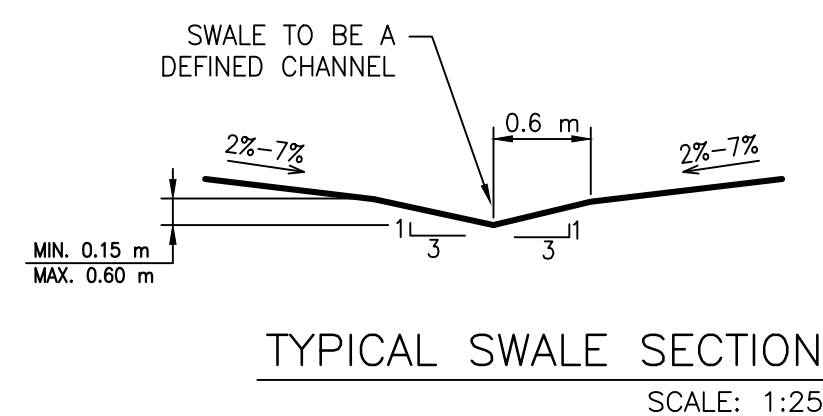
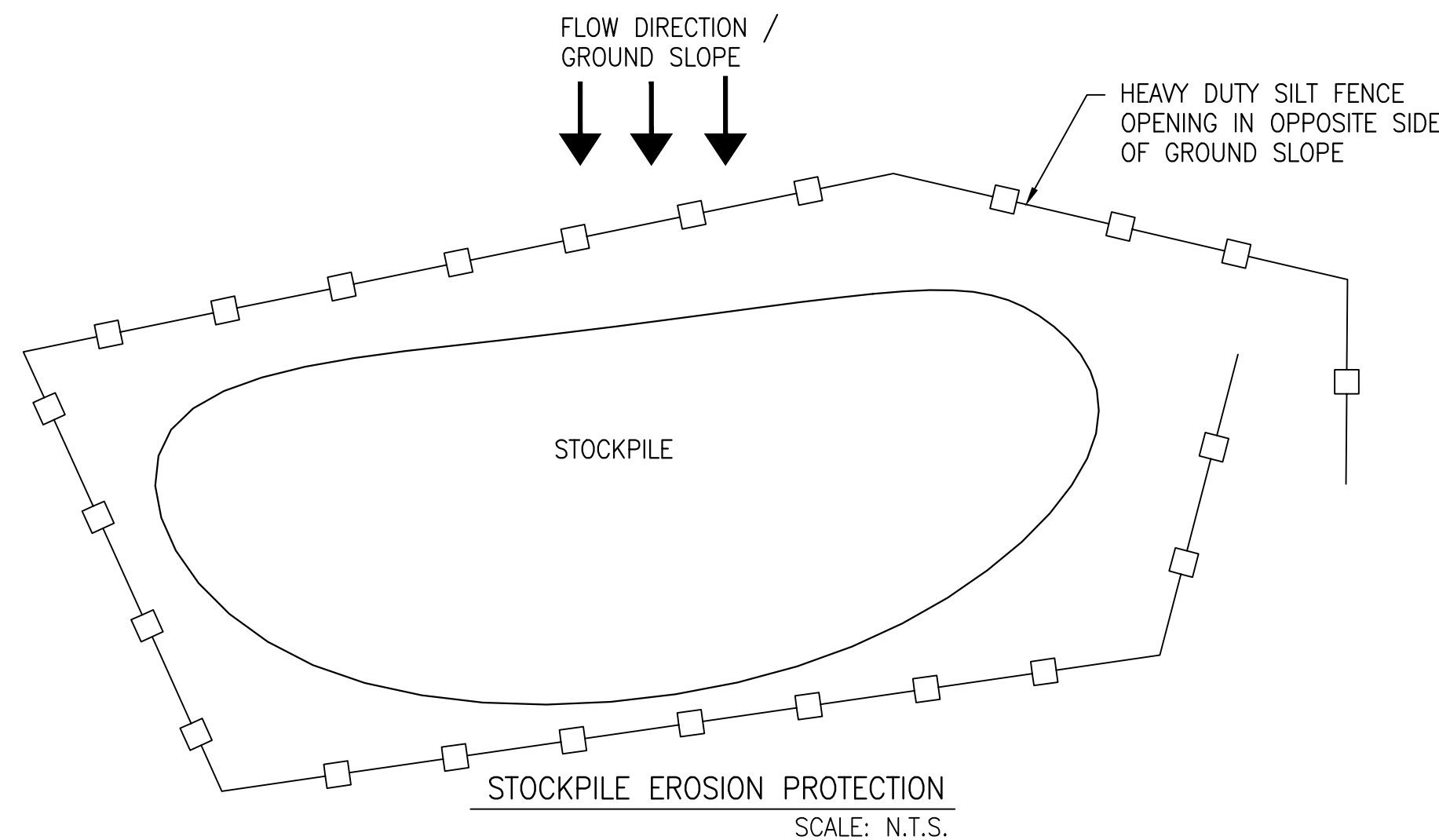


NOTES:
THE SUBDIVISION IS TO BE CONSTRUCTED ON FILL MATERIAL.
- AFTER ROAD AND SERVICING WORK, FOLLOW GRADING PLAN FOR FINAL STATE.
- EXISTING ELEVATIONS ON EAST, WEST AND SOUTH SIDES TO REMAIN UNCHANGED.



EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, CLEARING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.
- PERSONAL ON CONSTRUCTION SITE SHALL BE INFORMED ON SEDIMENT AND EROSION CONTROL MEASURES.
- PRIOR TO TOPSOIL STRIPPING, EARTHWORKS, OR UNDERGROUND CONSTRUCTION, EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- SILT FENCE TO BE IN PLACE PRIOR TO INITIATION OF TOPSOIL STRIPPING OR PRE-GRADING OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE WORKING AREA HAS BEEN STABILIZED AND RE-VEGETATED.
- SEDIMENT CONTROL FENCE SHALL BE LOCATED TO PREVENT SURFACE RUNOFF FROM LEAVING THE SITE UNTREATED, AND SHALL BE CLEANED AND MAINTAINED IN GOOD CONDITION BY CONTRACTOR.
- ACCUMULATED SEDIMENT TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF SEDIMENT CONTROL FENCE.
- ANY DISTURBED SLOPES ARE TO BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING COMPLETION OF PRE-GRADING.
- STRAW BALES OR ROCK CHECK DAMS ARE TO BE USED IN ANY TEMPORARY DRAINAGE DITCHES REQUIRED DURING CONSTRUCTION PERIOD.
- TOPSOIL AND/OR FILL MATERIAL NOT TO BE USED ON SITE SHALL BE DISPOSED OFF SITE IMMEDIATELY.
- TOPSOIL PILES TO BE LOCATED AWAY FROM DRAINAGE SWALES OR DITCHES AND SURROUNDED WITH SILT FENCING.
- PROVIDE MUD-MATS OF COARSE 50mm STONE AT SITE ENTRANCES AS SHOWN AND MAINTAIN IN CLEAN CONDITION.
- CONTRACTOR IS RESPONSIBLE FOR TOWN ROADWAY TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AT THE END OF EACH WORK DAY.
- DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
- CONSTRUCTION EQUIPMENT FUELING AND MAINTENANCE TO BE DONE AS FAR AS REASONABLY POSSIBLE FROM NATURAL FEATURES.
- DUST CONTROL BEST MANAGEMENT MEASURES SHALL BE IMPLEMENTED TO STABILIZE SOIL FROM WIND EROSION AND REDUCE DUST GENERATED BY CONSTRUCTION ACTIVITIES. THEY MAY INCLUDE WATER SPRAYING, MULCHING, COVERING STOCKPILES WITH TRAPS, RAPID CLEANUP OF SEDIMENT DEPOSIT, ETC.
- ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED REGULARLY AND CLEARED OR REPLACED AS SPECIFIED. PARTICULARLY, INSPECTION SHALL BE DONE ON A WEEKLY BASIS, AFTER EVERY RAINFALL EVENT, AFTER SIGNIFICANT SNOW MELTDOWN AND PRIOR TO FORECAST RAINFALL EVENT.
- EROSION CONTROLS ARE TO BE KEPT IN PLACE AND FUNCTIONAL UNTIL THE SITE IS STABILIZED (GRADING AND SODDING COMPLETE).
- EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF CLARENCE-ROCKLAND OR CONSERVATION AUTHORITY PERSONNEL.
- CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL.
- REFER TO SITE SERVICING PLAN AND SITE GRADING AND DRAINAGE PLAN FOR DETAILS OF LOT SERVICING AND DRAINAGE.

MONITORING OF SEDIMENT AND EROSION CONTROLS

DURING CONSTRUCTION, MONITORING OF CONTROL MEASURES WILL BE COMPLETED:

- PRIOR TO PREDICTED RAIN EVENTS.
- SUBSEQUENT TO RAIN EVENTS.
- ON A DAILY BASIS.
- AFTER SIGNIFICANT SNOWMELT EVENTS (WINTER-SPRING CONDITIONS) DURING INACTIVE CONSTRUCTION PERIODS, WHERE THE SITE IS LEFT ALONE FOR 30 DAYS OR LONGER, A MONTHLY INSPECTION SHOULD BE CONDUCTED.
- DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS.

MAINTENANCE PROGRAM

- ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACEMENT WITHIN 48 HOURS OF THE INSPECTION.
- THE ENVIRONMENTAL MONITOR IS REQUIRED TO SUBMIT UPDATES TO THE VILLAGE/CONSERVATION AUTHORITY BY EMAIL IN A TIMELY MANNER.
- SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT CONTROL FENCING ONCE SEDIMENT HAS ACCUMULATED TO A LEVEL OF ONE-THIRD THE HEIGHT OF FENCING OR TO A HEIGHT OF 30 cm. ANY AMOUNT OF ACCUMULATED SEDIMENT SHOULD BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURES.
- A CATCH BASIN CLEANING PROGRAM SHALL BE ESTABLISHED DURING CONSTRUCTION.

DEWATERING

- CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MAINTENANCE, MONITORING AND REPAIR OF DEWATERING PROGRAM DURING CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR THE PROPOSED DEWATERING TO THE CITY PRIOR TO COMMENCEMENT.
- THE INSTALLATION OF SERVICES BELOW THE HIGH GROUND WATER LEVEL IN SAND OR SILTY SAND DEPOSITS IS EXPECTED. DURING CONSTRUCTION, SHOULD THE GROUNDWATER VOLUME OF PUMPING EXCEED 50,000 LITRES PER DAY A PERMIT TO DEWATERING SHOULD BE OBTAINED.
- SUITABLE FILTRATION IS REQUIRED BEFORE DISCHARGING SURFACE WATER AND GROUNDWATER INTO WATERCOURSE DURING CONSTRUCTION.

LEGEND:

PROPOSED SILT FENCE	
PROPOSED ROCK FLOW CHECK DAM	
PROPOSED STRAW BALE BARRIER	
PROPOSED STRAW BALE BARRIER WITH FILTER CLOTH	
FILTER CLOTH FOR EXISTING STRUCTURE	
PROPOSED RIP RAP TREATMENT	
EXISTING CULVERT	
DITCH AND CULVERT	
PROPERTY BOUNDARY	
EXIST. MAJOR OVERLAND FLOW DIRECTION	
PROPOSED SWALE	
PROPOSED SWALE INVERT	
CONTOUR	
PROPOSED TERRACING	
PROPOSED SURFACE DRAINAGE PATTERN	
HIGH POINT	
TEST PIT	
DEWATERING TRAP	
DEWATERING BAG	
PUMP HOSE	

1	NEW LAYOUT & MUNICIPALITY COMMENTS	07/08/25
0	INITIAL ISSUE	01/15/2025
No.	REVISION / ISSUE	DATE MM/DD/YY

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AE ADVANCE
ENGINEERING



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TORONTO ON

TITLE:

EROSION AND
SEDIMENT
CONTROL PLAN

SCALE: 1:500	DRAWING No.: ESC
DRAFTED BY:	SHEET No.: 9 OF 21
PROJECT No.: 123	
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