

BEST MANAGEMENT PRACTICES

EROSION AND SEDIMENT CONTROL (BEST MANAGEMENT PRACTICES) SHALL BE RUN-UP DURING CONSTRUCTION OF THE PROJECT.

EROSION MUST BE MINIMIZED AND SEDIMENTATION MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFFS IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATE EXPOSED AREAS AND SOILS AS SOON AS POSSIBLE.
3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
4. INSTALL PETER CLOTHS BETWEEN PLASTIC OR CONCRETE ALPHAS.
5. INSTALL FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND ON ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
6. A BERT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
7. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED AS AN ACCUMULATED SLE AS REQUIRED. THE DEPOSITS WILL BE REMOVED BY THE PERFORMER OF THE CONTRACT.

SEDIMENT CONTROL, BARBERS MAY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OF THE PROJECT. ALL EXISTED SHALL BE REMOVED AND REINSTALLED AFTER WHEN CONSTRUCTION COMPLETION. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (SHOW) IN WHICH A NEW DEVICE HAS BEEN INSTALLED TO PROTECT THE EXISTING DRAIN AND SANITARY SEWER SYSTEMS.

- NO REPELING OR CLEANING OF EQUIPMENT IS REMOVED AFTER ANY EXISTING WATERWAY.
- SEDIMENT CONTROL MEASURES SHALL BE REMOVED WHEN IN THE DIRECTION OF THE CONTRACT ADMINISTRATION. THE MEASURES IS NO LONGER REQUIRED; THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE MEASURES FROM THE CONTRACT ADMINISTRATION.
- THE CONTRACTOR SHALL PERSONALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENT AS REQUIRED.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL BEHAVIOR OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE INSTALLED IMMEDIATELY.

SEDIMENT CONTROL MEASURES

2. PROTECT ALL EXPOSED SURFACES AND CONTROL ALL RUNOFF DURING CONSTRUCTION.
3. ALL EROSION CONTROL MEASURES TO BE IN PLACE BEFORE STARTING CONSTRUCTION AND REMAIN IN PLACE UNTIL RESTORATION IS COMPLETE.
4. MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION.
5. ALL COLLECTED SEDIMENT TO BE DEPOSITED OF AT AN APPROVED LOCATION.
6. MINIMIZE AREA DISTURBED DURING CONSTRUCTION.
7. ALL MATERIALS TO BE DEPOSITED OF IN AN APPROVED SEDIMENT BASIN.
8. PROTECT ALL CATCHMENTS, MOUNDLES AND PIPE DIPS FROM SEDIMENT INTRUSION WITH GEOTEXTILE (TERRAZ 270R OR APPROVED EQUIVALENT), UNLESS OTHERWISE SPECIFIED.
9. KEEP ALL SPLUMS CLEAN DURING CONSTRUCTION.
10. PREVENT WIND-LOADED DUST.
11. STRAW BALES TO BE USED IN LOCALIZED AREAS AS SHOWN AND AS DIRECTED BY THE CONTRACT ADMINISTRATOR DURING CONSTRUCTION.
12. STRAW BALES TO BE USED BY KNOCKING BALES TO CONTAIN AND FILTER RUNOFF.
13. CONSTRUCT TEMPORARY MEASURES TO CONTROL AND FILTER THE STORM DRAINAGE SYSTEM TO THE SPECIFICATIONS OUTLINED IN THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES PREPARED BY THE MINISTRY OF NATURAL RESOURCES. THESE MEASURES ARE TO BE IN PLACE UNTIL THE CONTRACTOR COMMENCES ANY CONSTRUCTION AND ARE TO REMAIN IN PLACE UNTIL CONSTRUCTION HAS BEEN COMPLETED TO THE SPECIFICATION OF THE CITY OF PEEL.
14. ALL SILT FENCING AND DETENTION ARE AT THE MINIMUM TO BE CONSTRUCTED IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES.
15. ALL OF THE ABOVE NOTICES AND ANY SEDIMENT AND EROSION CONTROL MEASURES ARE AT THE MINIMUM TO BE IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES.

CONTINGENCY SEDIMENT CONTROL MEASURES

- INITIAL, BENTON AND BROGEMAN CONTROL MEASURES (HEAVY DUTY SPICE, ROBUST SPICE) TO BE INSTALLED IN LOCATIONS AS SHOWN ON THE CONTRACT AND SEWMENT CONTROL PLAN DRAWINGS.
- IF DEEMED NECESSARY BY THE CONTRACT ADMINISTRATOR, INITIAL, BENTON AND BROGEMAN CONTROL MEASURES TO BE MADE WITH ADJUNCTAL CONDITIONS AS DIRECTED BY THE CONTRACT ADMINISTRATOR (SPICE).
- IF DEEMED NECESSARY BY THE CONTRACT ADMINISTRATOR THAT ADDITIONAL SEWMENT AND BROGEMAN CONTROL MEASURES ARE REQUIRED, INSTANT AN ADDITIONAL ROW OF HEAVY DUTY SPICE AS SHOWN ON THE DETAIL DRAWING.
- IF THE CONTRACT ADMINISTRATOR REQUIRES FURTHER SEWMENT AND BROGEMAN CONTROL MEASURES, INSTAL A STRAW BALE FILTER IN FRONT OF THE SECOND ROW OF HEAVY DUTY SPICE.
- ## INSPECTION AND REPORTING
- IN ORDER TO MONITOR THE EFFECTIVENESS OF THE SEWMENT AND BROGEMAN CONTROL MEASURES DURING CONSTRUCTION, REGULAR INSPECTIONS WILL BE REQUIRED. THE INSPECTION ACTIVITIES WILL BE PERFORMED BY THE CONTRACT ADMINISTRATOR AND WILL INCLUDE:
- INSPECTING THE BROGEMAN AND SEWMENT CONTROL WORKS ON A DAILY BASIS WHEN CONSTRUCTION IS ACTIVE.
 - INSPECTING THE BROGEMAN CONTROL WORKS WITHIN THE 24 HOURS MAXIMUM FOLLOWING ALL RAINFALL EVENTS.
 - DOCUMENTING ALL INSPECTION ACTIVITIES IN A LOGBOOK THAT WILL BE SUBMITTED TO THE CITY OF OTTAWA ON THE COMPLETION OF CONSTRUCTION.
- THE CONTRACT ADMINISTRATOR WILL PERFORM REGULAR INSPECTIONS TO VERIFY:
- THE TEMPORARY BROGEMAN AND SEWMENT CONTROL MEASURES ARE ROUTINELY MAINTAINED, AND
 - THE SUBSIDION CONSTRUCTION DOES NOT NEGATIVELY IMPACT OF THE ECOLOGICAL HEALTH OF THE RECEIVING WATERCOURSE.
- THE FOLLOWING REPORTING SYSTEM FOR PROPOSED INSPECTION ACTIVITIES WILL BE PERFORMED BY THE CONTRACT ADMINISTRATOR AND WILL INCLUDE:
- PREPARING INSPECTION REPORTS FOR THE DURATION OF CONSTRUCTION AND SUBMITTING THEM TO THE CITY OF OTTAWA. THE INSPECTION REPORTS SHOULD DOCUMENT ANY REPAIRS, RAINFALL, OR FLOWING THAT HAS OCCURRED SINCE THE LAST REPORT, OR BE ANTICIPATED TO OCCUR PRIOR TO THE NEXT REPORT.
 - PROVIDE REMOVAL OF THE BROGEMAN AND SEWMENT CONTROLS. THE CITY OF OTTAWA, THE OWNER, AND THE CONTRACT ADMINISTRATOR SHOULD CONDUCT A JOINT INSPECTION OF THE SITE.

ANY FAILURE OF THE PROPOSED TEMPORARY EROSION & SEDIMENTATION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CITY OF OTTAWA, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY SUCH DAMAGE.

- ## SEVERE WEATHER ANTICIPATED
1. WHEN THE LOCAL WEATHER FORECAST INDICATES THAT SIGNIFICANT RAINFALL IS EXPECTED WITHIN A 24 HOUR PERIOD, THE CONTRACTOR SHALL IMMEDIATELY COMPLETE THE FOLLOWING:
 - INSURE THAT ALL EROSION & SEDIMENT CONTROL MEASURES ARE SECURE AND THAT THERE IS NO EXPOSED SOIL THAT COULD BRODE AND BE DEPOSITED IN THE PINECONE DRAIN.
 - MONITOR ALL MEASURES DURING THE FLOOD EVENT, AND WHERE A POTENTIAL FOR FAILURE IS IDENTIFIED, TAKE CORRECTIVE MEASURES.