





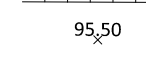









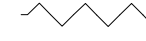











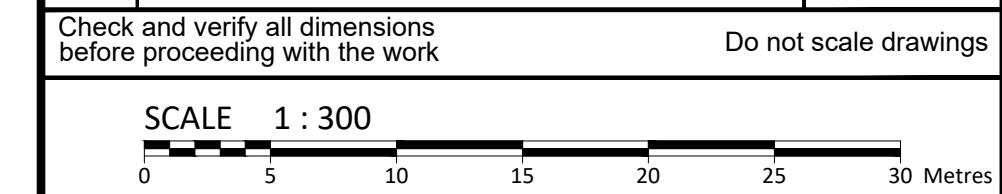
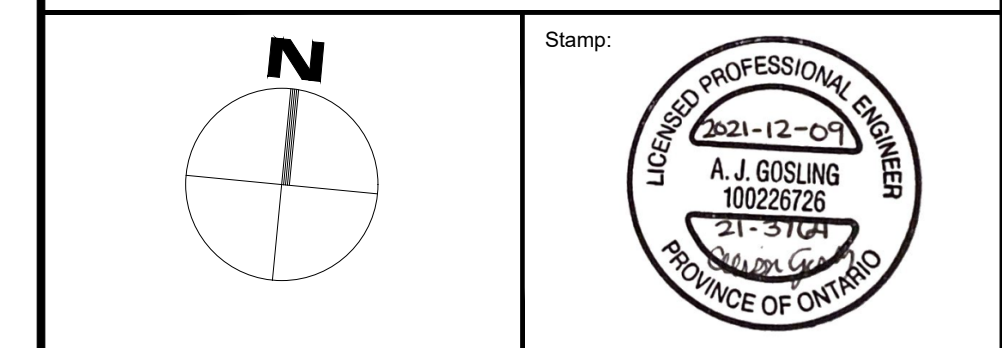
	CONCRETE BARRIER CURB		LIMIT OF CONSTRUCTION
	CONCRETE WALKWAY		DRAINAGE SWALE
	PROPOSED ASPHALT		DRAINAGE DITCH
	STORM SEWER MANHOLE		SLOPING AT 3:1 UNLESS SPECIFIED
	CATCHBASIN MANHOLE		SWALE ELEVATION
	AREA DRAIN CATCHBASIN MANHOLE		TOP OF WALL ELEVATION
	CATCHBASIN		BOTTOM OF WALL ELEVATION
	AREA DRAIN CATCHBASIN		OVERLAND FLOW ROUTE
	SANITARY SEWER MANHOLE		SILT FENCE BARRIER
	FIRE HYDRANT		STRAW BALE CHECK DAM
	WATER VALVE		PROPOSED WALL
	WATER METER		
	REMOTE WATER METER		
	ROOF DRAIN		
	LANDSCAPE CATCHBASIN		
	LANDSCAPE CATCHBASIN AREA DRAIN		
	SIAMSESE CONNECTION		
	SUBDRAIN		

1	ISSUED FOR REVIEW	DEC 10, 2021
2	ISSUED FOR REVIEW	NOV 29, 2021
1	ISSUED FOR TENDER	NOV 10, 2021
No.	Revisions	Date



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Client: **KANATA WOODS INC**
205 - 1600 LAPERRIERE AVE
OTTAWA, ON K1Z 8P5

Project:

THE WOODS
180 KANATA AVE

Drawing Title:

EROSION AND SEDIMENT CONTROL PLAN

Scale:	1:300	Project Number: CCO-21-3764
Drawn By:	R.R.R.	
Checked By:	C.J.M.	Drawing Number: C103
Designed By:	C.J.M.	

007-12-21-0098

1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO WARRANTY OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) CERTAIN DEEDS AND RECORDS, AND ARE NOT TO BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF ANY PROPERTY BOUNDARY OR EASEMENT LINE CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLE SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN AUTHORIZED SURVEYOR.
3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING UTILITIES OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO ORIGINAL CONDITION OR BETTER. MAINTAIN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE AUTHORITIES.
7. EXCAVATE AND EQUALIZE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
8. TOPSOIL TO BE FILLED AND STOCKPILED FOR REHABILITATION. CLEAN TOPSOIL TO BE SHIPPED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNS, DELINEATORS, MARKERS AND BARRIERS.
11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE

12. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
13. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT. POSITIVE DRAINAGE INSPECTION SHALL BE RETURNED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
14. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DISCOVERS A DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
15. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY:
 - ELECTRICAL SERVICE - HYDRO ONE,
 - GAS SERVICE - ENBRIDGE,
 - TELEPHONE SERVICE - BELL CANADA,
 - TELEVISION SERVICE - ROGERS
16. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY.
17. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION
18. ALL PROPOSED CURB TO BE CONCRETE BARRIED CURB UNLESS OTHERWISE SPECIFIED.
19. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL REPORT DATED BY PATTERSON GROUP DATED APRIL 11, 2021

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE LENGTH OF EXPOSED SLOPE, TEMPORARILY PROTECTING CONTROL GEOTECHNICAL INSERTS WITH AN OVERFLOW UNDER GRATE OR COVER) TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD CATCHMENTS, REINFORCED CATCHMENTS AND DITCHES AND ON ALL PROPOSED ROAD CATCHMENTS. NO RECYCLED GEOTECH MATERIAL SHALL BE PERMITTED FOR USE ON SITE.
2. AT THE DISCRETION OF THE PROJECT MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATION.
3. FOR SILT FENCE BARRIER, USE OPSD 219.310.0. GEOTECH FOR SILT FENCE AS PER OPSD 1860.1, TABLE 3.
4. EXCEPT AS PROVIDED IN PARAGRAPHS 4.1., AND 4.2. BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NOT AFTER THE 14TH DAY AFTER CONSTRUCTION OF THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED.
 - 1.1. WHERE THE INITIATION OF STABILIZATION MEASURES IS TEMPORARILY CEASED IS PRECIPITATED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE.
 - 1.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASE, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
5. SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND IS NOT ALLOWED TO BE DEPOSITED ON THE DOWNSTREAM SIDE OF THE CONTROL MEASURE. THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE FOLLOWING:
 1. FOR LOCATED TO BE REMOVED PRIOR TO THE REMOVAL OF THE SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE LESSER OF THE FOLLOWING:
 - 5.1.1. A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT OF THE CONTROL MEASURE.
 - 5.1.2. A DEPTH OF 300 MM IMMEDIATELY UPSTREAM OF THE CONTROL MEASURE.
 - 5.2. FOR ALL CONTROL MEASURES, ACCUMULATED SEDIMENT SHALL BE REMOVED AS NECESSARY TO PERFORM MAINTENANCE REPAIRS.
 - 5.3. ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURE.
 - 5.4. ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPSD

- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE EROSION MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST RAINFALL AND FOLLOWING ANY STORM EVENT.
7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO GRADING AND GRADING SHALL BE CONSIDERED PRIOR TO CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS TO PREVENT DUST. THIS SHALL BE DONE TO PREVENT DUST WHICH MAY TRANSPORT SEDIMENTS OFFSITE. WHERE THEY MAY BE WASHED INTO THE RECEIVING WATER BY THE NEXT RAIN EVENT.
- ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND HYDROSEEDING AS SOON AS FEASIBLE, AS PER OPS 570.
- TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS NOT STOCKPIPED TO BE USED FOR REHABILITATION.
- ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
1. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CHATCHBASINS, MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE MATERIAL IS LEFT IN PLACE IN EXCESS OF 14 DAYS.
2. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPS 219/240 AND LOCATED ON FLA GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. UNDETERMINED MATERIAL SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSE CROSSINGS SHALL BE CONSTRUCTED TO THE STANDARD UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE CONTRACTOR SHALL REPAIR AND REINFORCE THE PASSAGE UPON THE OPEN PORTION OF THE WATERCOURSE WITHOUT HARM.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPS 577
- WHERE DETERMINING IS REQUIRED, THE DISCHARGE DURING CONSTRUCTION SHALL BE CONTROLLED IN ACCORDANCE WITH OPS 518.
- ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH A REMOTE GEOTECHNICAL MONITORING POINT (LANT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED.

