

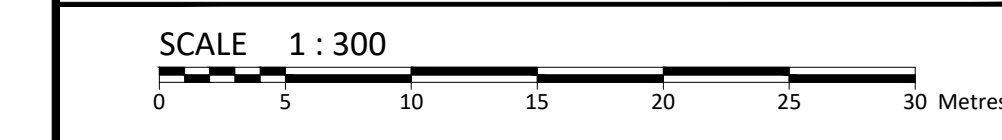
**LEGEND**

	CONCRETE BARRIER CURB		LIMIT OF CONSTRUCTION
	CONCRETE WALKWAY		DRAINAGE SWALE
	PROPOSED ASPHALT		SLOPING AT 3:1 UNLESS SPECIFIED
	STORM SEWER MANHOLE		SWALE ELEVATION
	CATCHBASIN MANHOLE		SURFACE 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		
	SIAMSE CONNECTION		
	SUBDRAIN		

**FOR REVIEW ONLY**  
NOT FOR CONSTRUCTION

No.	Revisions	Date
6	ISSUED FOR REVIEW	MAY 06, 2022
5	ISSUED FOR REVIEW	MAR 10, 2022
4	ISSUED FOR REVIEW	DEC 10, 2021
3	ISSUED FOR REVIEW	NOV 29, 2021
2	ISSUED FOR TENDER	NOV 10, 2021
1	ISSUED FOR REVIEW	JUNE 30, 2021

Check and verify all dimensions before proceeding with the work. Do not scale drawings.



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

Project: **THE WOODS**  
180 KANATA AVE

Drawing Title: **LOT GRADING AND DRAINAGE PLAN**

Scale: 1:300 Project Number: CCO-21-3764

Drawn By: R.R.R. Drawing Number: C101

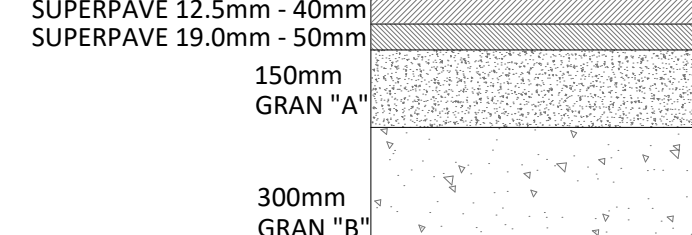
Checked By: C.J.M.

Designed By: C.J.M.

**GENERAL NOTES**

- THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED FROM INFORMATION SUPPLIED BY (OR SHOWN ON) FARLEY, SMITH & DENNIS SURVEYING LTD FILE # 139-21 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.
- THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
- 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 EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
- RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
- EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
- TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.
- DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY.
- 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.
- CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOIL.
- ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
- 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.
- INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY.
- CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION.
- ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB UNLESS OTHERWISE SPECIFIED.
- THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP DATED APRIL 21, 2021.

ASPHALT GRADE: PG-58-34



**HEAVY DUTY PAVEMENT CROSS-SECTION**  
NOT TO SCALE

REFER TO GEOTECHNICAL REPORT COMPLETED BY PATERSON GROUP (REPORT # PGS758-1) DATED APRIL 21, 2021 FOR FURTHER DETAILS REGARDING PAVEMENT STRUCTURE.

**ROOF DRAINS (B3)**

TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (CLOSED)		
NUMBER OF ROOF DRAINS	23		
SCENARIO	2-YEAR	5-YEAR	100-YR
ROOFTOP STORAGE (m³)	94.71	132.60	303.08
DEPTH OF FLOW (m)	0.025	0.035	0.080
FLOW PER ROOF DRAIN (L/S)	0.32	0.32	0.32
TOTAL RESTRICTED FLOW	7.25	7.25	7.25