

LEGEND

	CONCRETE BARRIER CURB		LIMIT OF CONSTRUCTION
	STORM SEWER MANHOLE		DRAINAGE SWALE
	LANDSCAPE CATCHBASIN PER CITY 530 & 331		DRAINAGE DITCH
	CATCHBASIN PER OPD 701.010		SLOPING AT 3:1 UNLESS SPECIFIED
	AREA DRAIN TO BE SPECIFIED BY MECHANICAL		SURFACE ELEVATION
	SANITARY SEWER MANHOLE		SWALE ELEVATION
	FIRE HYDRANT		TOP OF WALL ELEVATION
	WATER VALVE		BOTTOM OF WALL ELEVATION
	WATER METER		OVERLAND FLOW ROUTE
	REMOTE WATER METER		SILT FENCE BARRIER
	ROOF DRAIN		PROPOSED WALL
	SIAMESE CONNECTION		
	SUBDRAIN		

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

9	ISSUED FOR REVIEW	AUG 30, 2022
8	ISSUED FOR REVIEW	AUG 08, 2022
7	ISSUED FOR REVIEW	JULY 21, 2022
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
No.	Revisions	Date

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

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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

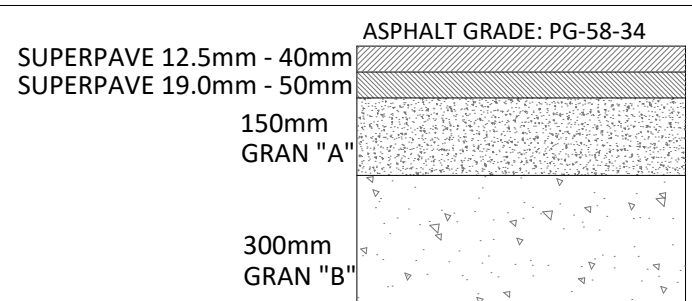
Scale:	1:300	Project Number:	CCO-21-3764
Drawn By:	R.R.R.		
Checked By:	C.J.M.	Drawing Number:	C101
Designed By:	C.J.M.		

007-12-21-0098

- ## GENERAL NOTES

1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA DATA ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN ON THIS PLAN ARE BASED ON THE CADASTRAL SURVEY (OR SHOWN ON) ONLY. FLEMING, SMITH & DENNIS SURVEYING LTD FILE # 139-21 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE PROPERTY BOUNDARIES AND EASEMENTS SHOWN ON THIS PLAN MAY ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ACCREDITED 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 LIABILITY 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 BE THE SAME OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND CITY.
8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE FILL ARE IN AND BE 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 AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SIGNS, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, AND ALL TRAFFIC MARKING.
11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY.

2. 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.
3. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT, TOPSOIL, MULCH AND/OR SOIL.
4. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO COMMENCEMENT. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
5. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY:
 - ELECTRICAL SERVICE - HYDRO ONE
 - GAS SERVICE - ENBRIDGE
 - TELEPHONE SERVICE - TELUS CANADA
 - TELEVISION SERVICE - ROGERS
6. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY.
7. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION
8. ALL PROPOSED CURBS TO BE CONCRETE BARRIER CURB UNLESS OTHERWISE SPECIFIED
9. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEO TECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP DATED APRIL 21, 2021.



HEAVY DUTY PAVEMENT
CROSS-SECTION
NOT TO SCALE

REFER TO GEOTECHNICAL REPORT COMPLETED BY PATERSON GROUP (REPORT # PG5758-1) DATED APRIL 21, 2021 FOR FURTHER DETAILS REGARDING PAVEMENT STRUCTURE.

Allison Hamlin

ALLISON HAMLIN
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
DEPARTMENT, CITY OF OTTAWA

APPROVED

By Allison Hamlin at 9:16 am, Nov 18, 2022

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
AVAILABLE 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

ICD TABLE						
STRUCTURE ID	ICD SIZE (mm)	STYLE	5-YEAR DESIGN HEAD (m)	100-YEAR DESIGN HEAD (m)	5-YEAR DESIGN FLOW (L/s)	100-YEAR DESIGN FLOW (L/s)
AD1*	82mm	PLUG	-	0.67	-	11.09
AD2*	75mm	PLUG	-	0.55	-	9.19
AD3*	90mm	PLUG	0.55	0.62	12.60	13.37

*ICD TO BE PERMANENTLY AFFIXED TO OUTLET PIPE