PROPOSED COMMERCIAL BUILDING 524 LACOLLE WAY, OTTAWA, ON



KEY PLAN (N.T.S.)

DRAWING INDEX

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CONSTRUCTION DETAIL PLAN





ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca | (613) 842-3434

C101	
C301	
C401	
C601	
C701	
C702	
C901	





NOT AUTHENTIC UNLESS SIGNED AND DATED





<u>D:</u>	PROPERTY LINE PROPOSED CURB	GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK
<u>lilililililili</u>	PROPOSED TERRACING (3:1 MAX.)	NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.
Ψ Ψ Ψ Ψ Ψ Ψ	PROPOSED 100mm TOPSOIL AND SOD (OR HYDROSEEDING)	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS. VERIFIED FIELD DIMENSIONS AND CORRELATED HIS
4 4 4	PROPOSED CONCRETE SIDEWALKS	OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
	PROPOSED SILT FENCE AS PER OPSD 219.110	AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT
	PROPOSED HEAVY DUTY ASPHALT	CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.
	PROPOSED LIGHT DUTY ASPHALT	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
0.00	PROPOSED ELEVATION	THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND
0.00S	PROPOSED SWALE ELEVATION	PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED
0.00TG	PROPOSED TOP OF GRATE ELEVATION	CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE
0.00BC	PROPOSED BOTTOM OF CURB ELEVATION	WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN
0.00TC	PROPOSED TOP OF CURB ELEVATION	PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
0.00BW	PROPOSED BOTTOM OF WALL ELEVATION	UNAUTHORIZED CHANGES:
0.00TW	PROPOSED TOP OF WALL ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR
0.00EX	MATCH INTO EXISTING ELEVATION	ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER
50.00	EXISTING ELEVATION	CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL
x x x	PROPOSED 1.8m HIGH CHAINLINK FENCE	RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY
	PROPOSED RETAINING WALL	LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.
	PROPOSED OVERLAND MAJOR FLOW ROUTE	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
SAN	PROPOSED SANITARY SEWER PROPOSED 250mmØ PERFORATED SUBDRAIN PROPOSED STORM SEWER	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.
•	PROPOSED OIL/GRIT SEPARATOR OR MANHOLE	GENERAL NOTES:
	PROPOSED CATCHBASIN OR CATCHBASIN-MANHOLE	EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE.
•	PROPOSED REAR YARD CATCHBASIN	CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.
Ŏ	PROPOSED WATER VALVE	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS
O ^{CS}	PROPOSED CURB STOP	BEFORE START OF CONSTRUCTION.
WTR	PROPOSED WATER SERVICE	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS,
	PROPOSED PIPE INSULATION	SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE
	PROPOSED MAXIMUM HIGH WATER LEVEL	ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
	STORM CATCHMENT EXTENT	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY
A-XX	-CATCHMENT NAME	DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	-RUNOFF COEFFICIENT	
RUNOFF	- AREA IN HECTARES	SCALE: 1:250

USE AND INTERPRETATION OF DRAWINGS

01 ISSUED FOR APPROVAL S.V. 18 DEC 2024 REVISIONS BY DATE EFSSIO (51) S. GODIN 100574017 VCE OF ON 2024-12-18 NOT AUTHENTIC UNLESS SIGNED AND DATED RL ENGINEERING | INGÉNIERIE 5430 Canotek Road I Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434 PATRICE HOULE HOLDING INC. DRAWN B APPROVED BY: DESIGNED BY S.G. S.V. S.V. PROJECT 524 LACOLLE WAY, OTTAWA, ON DRAWING TITLE

STORMWATER MANAGEMENT PLAN

240203 DATE SEPTEMBER 2024

PROJECT NO.

Ottawa

FOR REAR YARD AND

LANDSCAPING APPLICATIONS

MARCH 2017

DWG. No.: S29

_____ø1800 _____

B TAPERED TRANSITION SLAB

Flat cap

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PREFABRICATED POLYETHYLENE SMOOTHWALL PIPE 'T' SECTION

5%6" X 1 ⅔4" LAG BOLT T BE INSERTED

NOTES:

			С	2.4	3.2	5.7	12.8	
		450	A B	7.6	NL 4.4	NL 10.0	NL NL	
		525	A B	2.5 8.5 3.3	3.4 NL 4.7	6.2 NL 10.9	13.2 NL	
		020	C A	2.6	3.5 NL	6.6 NL	17.6 NL	
		600	B C	3.4 2.6	4.9 3.7	11.5 7.0	NL 18.6	
		675	B	3.5 2.7	5.1 3.8	11.8 7.2	NL 18.6	
		750	A B	10.0	NL 5.2	NL 12.0	NL NL	
		825	A	10.2	5.8 NL 5.2	NL 12.0	NL NL	
			Č A	2.8 9.8	3.8 NL	7.4 NL	17.4 NL	
		900		3.8 2.8 6.2	5.4 4.0 9.6	11.6 7.4 NL	NL 16.0	
		975	B Ç	3.4 2.8	4.6 3.8	8.0 6.0	14.4 9.6	
		1050	A B C	6.4 3.6 2.8	9.8 4.6 3.8	NL 8.2 6.2	NL 14.6 9.8	
		1200	Ă B	6.8 3.6	10.4 4.8	NL 8.4	NL 15.0	
		1350	A B	3.0 7.0 3.8	3.8 10.8 5.0	6.4 NL 8.6	10.2 NL 15.2	
		1500	C A	3.2 7.2	4.0 11.0	6.4 NL	10.4 NL	
		1500	C A	3.2 7.4	4.0 11.2	6.6 NL	10.4 NL	
	LEGEND:	1650	C A	4.0 3.4 7.6	5.2 4.2 11.4	9.0 6.8 NL	15.2 10.6 NL	
	NOTES:	1800	B C	4.0 3.4	5.2 4.2	9.0 6.8	15.2 10.6	
	A Height of fill is measured t B The load factor used for t	from the fin ne calculatio	ished surfac n of the vo	ce to top o priable bedd	of pipe. ling factor is	s: Class A bed	lding=2.8,	
	Class B bedding=1.9, and C The excavation width is bas	Class C bed sed on OPSI	ding=1.5. 0 802.030	and is the	width of the	excavation m	neasured	
	D Minimum height of fill over E Strength designations are 5	top of pipe	shall be f	300mm.	according to	CSA 4257 2		
	F The table is based on back	fill density	of 1900 kg	$/m^{3}$.	according to	CSA A257.2.		
	H Conditions other than those I All dimensions are in metres	e indicated s s unless oth	shall be cal Ierwise shov	culated from	n first princ	iples.		
	ONTARIO PROVI	NCIAL ST	ANDARD	DRAWIN	IG	Nov 2015	i Rev S	3 COSTAND
	HEIGHT	OF FI	LL TA	BLE				
	REINFORCED CONCRE			IFINED T	RENCH			
	CLASS 50-D, 8	5-D, TO	0-D, a	na 140-	-0	OPSI	D 80.	/.010
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		24 BOX				Å		
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			1.0°0 Ng		202020000			
	150m		- CONCRETE BLOCKS					2
	WATERMAIN BEDD	ING	(W24)		2 20r	0 MPa TO UNDIS		JND
		LE	EAD AS SPECI	FIED		5000		
1.	L OR ALL WATERMAINS 1. SEE DETAIL W20 FOR HYDRANTS IN DITCH AREAS.							
2.	2. FOR WATERMAINS 400mm AND UNDER, LOCATE VALVE WITHIN 1.0m OF CENTRELINE. RETAINING/RESTRAINING DEVICES TO BE UTILIZED. FOR WATERMAINS 600mm AND OVER, BOLT VALVE WITH FLANGED END DIRECTLY TO FLANGED TEE.							
з. 4. с	3. RETAINING/RESTRAINING DEVICES TO BE UTILIZED. 4. HYDRANT BREAKABLE FLANGE ELEVATION TO BE ESTABLISHED PRIOR TO INSTALLATION. REFER TO MW-19.4 AND F-4414.							
5. 6. 7	* SEE F-4414 FOR HYDRANT LOCATIO	N REQUIREMEN	TS.					
	milline in milline intES							
F		HYDR	4. NIT IN			N	DATE:	MAY 2001 MARCH 2013
-				NJIAL		N	DATE:	

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50-D 65-D 100-D 140-D MAXIMUM HEIGHT OF FILL

PIPE DIA BEDDING mm CLASS

300

375

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

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PROJECT NO. **240203**

DATE

SEPTEMBER 2024

C902

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01	ISSUED FOR	APPROVAL	S.V.	18 DEC 2024		
No.	RE	VISIONS	BY	DATE		
TERMINE AND ALTER AND ALTE						
DESIGN	ED BY:	DRAWN BY:	AP	PROVED BY:		
	S.V.	S.V.		S.G.		
PROJEC	[™] 524 LAC0	DLLE WAY, C	DTTAW	/A, ON		

DRAWING TITLE

CONSTRUCTION DETAIL PLAN

PROJECT NO.

240203 DATE

SEPTEMBER 2024

