

OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR TH ROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER. JNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE RAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT. THESE DRAWINGS II LUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NO RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF ONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIE CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITION: AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFEC THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN ULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO IS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING. UNAUTHORIZED CHANGES: N THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSEN THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCI CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRI AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY

JSE AND INTERPRETATION OF DRAWINGS

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GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF

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T ALSO THE OWNER-CONTRACTOR AGREEMENTS. CONDITIONS OF TH

FTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE

OMPLEMENTARY AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS

WN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT. THE OWNER

ONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. TH

ONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED

INSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND ORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE

AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES

REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE ONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK

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 G FROM SUCH CHANGES

N ADDITION. THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FO TRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTO OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES O INDIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOF RITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR D INDEMNIEY BOTH LRI AND THE CLIENT FROM ANY LIABILITY OR COS SING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATIO GENERAL NOTES:

EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OF ERFORMING WORK.

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS ICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE

ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS NCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

REFERENCE: PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK Ltd. FIELD WORK COMPLETE NOVEMBER 4, 2015.

Job No. E-7265-15 BEARING ARE GRID, DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS DESERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9.

NAD-83 (CSRS) (1997) COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG

POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71

BOUNDARY INFO COMPILED FROM PLAN 4R-27946

SCALE: 1:500

ISSUED AS PER SNC COMMENT	D.M.	01 APR 2019
ISSUED FOR SPA #3	G.B.	02 NOV 2018
ISSUED FOR SPA #2	G.B.	07 SEP 2018
ISSUED FOR SPA	G.B.	05 FEB 2018
REVISIONS	BY	DATE
	COMMENT ISSUED FOR SPA #3 ISSUED FOR SPA #2 ISSUED FOR SPA	COMMENTD.M.ISSUED FOR SPA #3G.B.ISSUED FOR SPA #2G.B.ISSUED FOR SPAG.B.



NOT AUTHENTIC UNLESS SIGNED AND DATED



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

# **C&C TRANSPORTATION**

DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

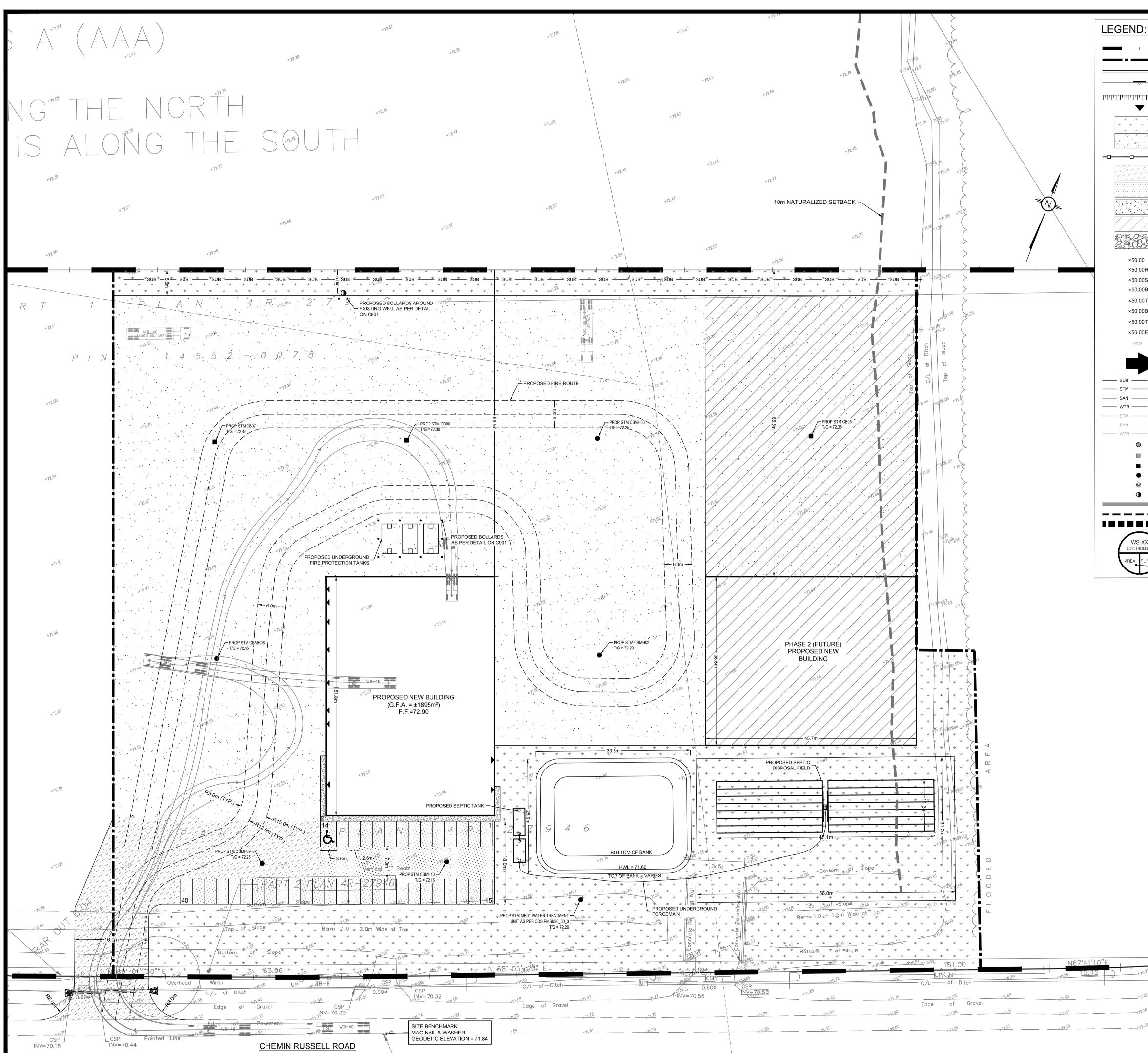
### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

DRAWING TITLE

# **EROSION AND SEDIMENT** CONTROL PLAN

PROJECT NO 170254





	EXISTING PROPERTY LINE TO REMAIN PROPOSED LIMIT OF CONSTRUCTION PROPOSED CURB	DRAWING. THE CONTRACT DOCUMENTS BUT ALSO THE OWNER-CONTRACTOR CONTRACT, THE SPECIFICATIONS, ADD AFTER EXECUTION OF THE CONTRACT. COMPLEMENTARY, AND WHAT IS REQUIR IF REQUIRED BY ALL. WORK NOT COMPLI CONSTRUCTED OF THE SAME MATERIAL'S SHOWN MORE COMPLETELY ELSEWHERE
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արդորդություն	PROPOSED TERRACING (3:1 MIN.)	CONTRACTOR CONFIRMS THAT HE HAS REVIEWED AN CONTRACTOR CONFIRMS THAT HE HA HIMSELF WITH THE LOCAL CONDITIONS
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	PROPOSED DOOR ENTRANCE/EXIT	AS INSTRUMENTS OF SERVICE, ALL DRA
	PROPOSSED GRASS AREA	OR OTHER ELECTRONIC MEDIA AND CC ENGINEER ARE HIS PROPERTY. THEY PROJECT AND ARE NOT TO BE USED C REPEATS OF THE PROJECT. CHANGES TO
	PROPOSED CONCRETE FEATURES/SLAB	
	PROPOSED SILT FENCE AS PER OPSD 219.110	UNLESS THE REVISION TITLE IS "ISS DRAWINGS SHALL BE CONSIDERED PRELI CONSTRUCTION DOCUMENT.
	PROPOSED HEAVY DUTY ASPHALT	THESE DRAWINGS ILLUSTRATES THE WOR RESPONSIBLE FOR THE MEANS, METHO PROCEDURES USED TO DO THE WO CONSTRUCTION, AND NOTHING ON THES
	PROPOSED LIGHT DUTY ASPHALT	CHANGES THIS CONDITION. CONTRACTO AT THE SITE AND SHALL BE RESPONSIBI THE WORK. SUBMITTAL OF A BI
	PROPOSED GRAVEL AREA	ACKNOWLEDGEMENT OF THE RESPONSI FULLY CONSIDERED IN PLANNING OF T CLAIMS FOR EXTRA CHARGES DUE FORTHCOMING.
	PHASE 2 - FUTURE DEVELOPMENT	UNAUTHORIZED CHANGES:
	PROPOSED RIP RAP AS PER OPSD 810.010	IN THE EVENT THE CLIENT, TH SUBCONTRACTORS, OR ANYONE FOR W MAKES OR PERMITS TO BE MADE ANY SPECIFICATIONS OR OTHER CONSTRUCT ASSOCIATES LTD. (LRL) WITHOUT OBTAIN
×50.00	PROPOSED ELEVATION	THE CLIENT SHALL ASSUME FULL RESPO CHANGES. THEREFORE THE CLIENT AGRE AND TO RELEASE LRL FROM ANY LIABILI
×50.00HP	PROPOSED HIGH POINT ELEVATION	FROM SUCH UNAUTHORIZED CHANGES.
×50.00SW	PROPOSED SWALE ELEVATION	IN ADDITION, THE CLIENT AGREES, TO LAW, TO INDEMNIFY AND HOLD HARMLESS
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION	OR COST, INCLUDING REASONABLE ATTO ARISING FROM SUCH CHANGES.
×50.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES TO
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION	CONSTRUCTION APPROPRIATE LANGUAG OR ANY SUBCONTRACTORS OF ANY THE MODIFICATIONS TO LRL'S CONSTRUCTION
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×50.00EX	MATCH INTO EXISTING ELEVATION	GENERAL NOTES:
×70.19	EXISTING ELEVATION	EXISTING SERVICES AND UTILITIES SHOW
	PROPOSED OVERLAND MAJOR FLOW ROUTE	FROM THE BEST AVAILABLE RECORDS, DATE. CONTRACTOR SHALL VERIFY IN FIE PIPES AND CHECK WITH THE UTILITY PERFORMING WORK.
SUB — SUB	PROPOSED 100mmØ PERFORATED SUBDRAIN	CONTRACTOR IS ADVISED TO COLLECT BEFORE START OF CONSTRUCTION.
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AN SAN	PROPOSED SANITARY SEWER	PROBLEMS WHICH ARISE FROM FAI SPECIFICATIONS AND THE DESIGN INTEN
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● ⊗	PROPOSED CURB STOP	N68"16'30"E AND ARE REFERRED TO THE C NAD-83 (CSRS) (1997)
Ō	PROPOSED WELL	COORDINATE VALUES ARE TO URBAN ACC 216/10
-	PROPOSED PIPE INSULATION	-POINT A NORTHING 5026437.63, EASTING -POINT B NORTHING 5026547.14, EASTING
	PROPOSED 100 YEAR HIGH WATER LEVEL	
	STORM WATERSHED EXTENT	BOUNDARY INFO COMPILED FROM PLAN 4
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O THE FULLEST EXTENT PERMITTED B' ESS LRL FROM ANY DAMAGES, LIABILITIES TORNEY'S FEES AND COST OF DEFENSE

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4R-27946

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### **C&C TRANSPORTATION**

DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

RAWING TITLE

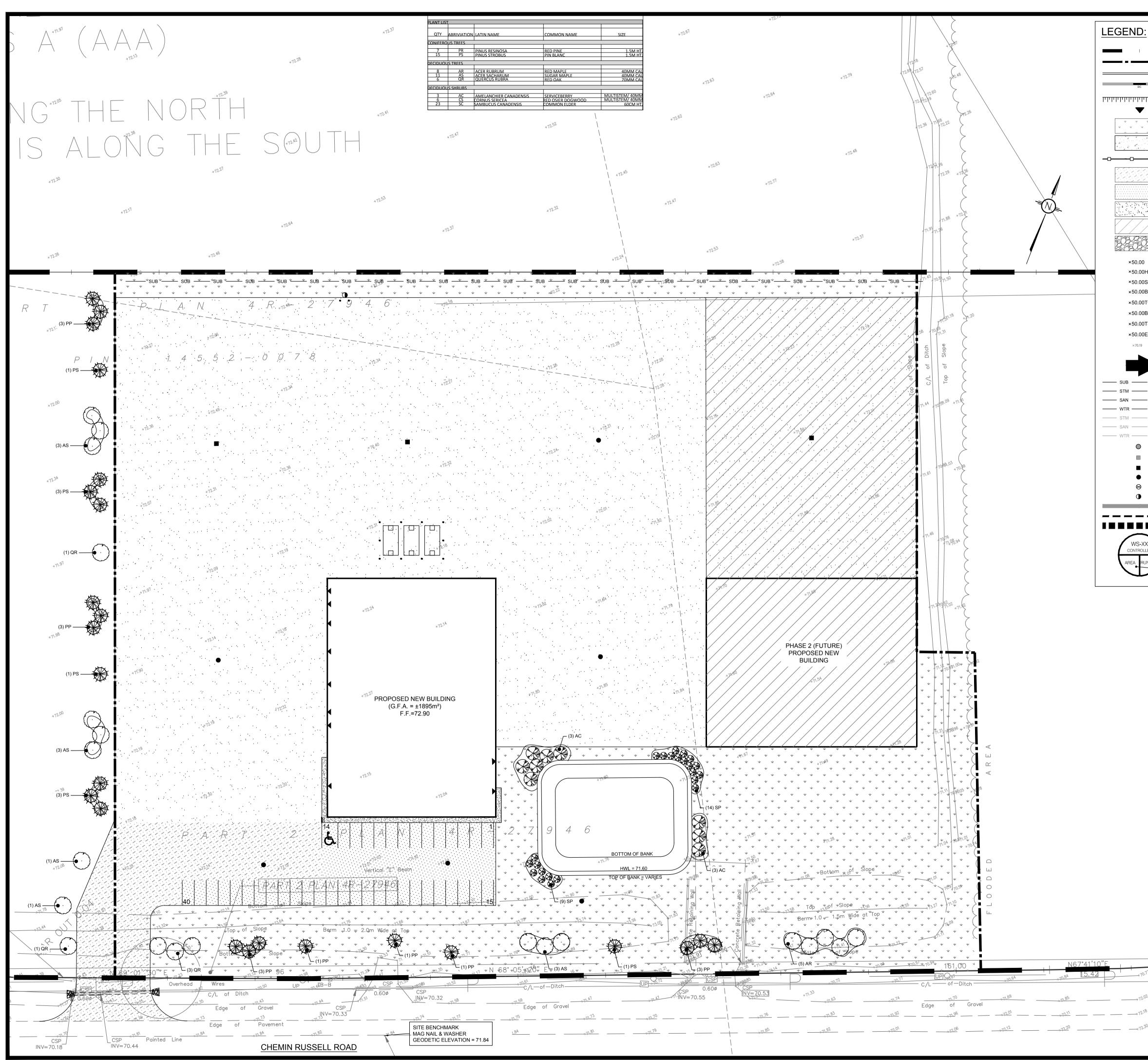
CLIENT

# SITE DEVELOPMENT PLAN

PROJECT NO. 170254

DATE





		USE AND INTERPRETATION OF DRAWINGS
<u>SEND:</u>		GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE
	EXISTING PROPERTY LINE TO REMAIN	DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE
	PROPOSED LIMIT OF CONSTRUCTION	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
	PROPOSED CURB	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. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER
DC	PROPOSED DEPRESSED CURB	CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED
որդորդուրդություն	PROPOSED TERRACING (3:1 MIN.)	HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE
$\checkmark$	PROPOSED DOOR ENTRANCE/EXIT	CONTRACT DOCUMENTS. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES
	PROPOSSED GRASS AREA	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 TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE
	PROPOSED CONCRETE FEATURES/SLAB	BY THE ENGINEER.
	PROPOSED SILT FENCE AS PER OPSD 219.110	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
	PROPOSED HEAVY DUTY ASPHALT	THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS
	PROPOSED LIGHT DUTY ASPHALT	CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN
	PROPOSED GRAVEL AREA	FULLY CONSIDERED IN PLANNING OF THE WORK, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
	PHASE 2 - FUTURE DEVELOPMENT	UNAUTHORIZED CHANGES:
	PROPOSED RIP RAP AS PER OPSD 810.010	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH
×50.00	PROPOSED ELEVATION	CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY
×50.00HP	PROPOSED HIGH POINT ELEVATION	FROM SUCH UNAUTHORIZED CHANGES.
×50.00SW	PROPOSED SWALE ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION	OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
×50.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION	OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRU'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR
×50.00TS	PROPOSED TOP OF SIDEWALK ELEVATION	WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST
×50.00EX	MATCH INTO EXISTING ELEVATION	ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.
×70.19	EXISTING ELEVATION	GENERAL NOTES: EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN
	PROPOSED OVERLAND MAJOR FLOW ROUTE	FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.
SUB — SUB —	PROPOSED 100mmØ PERFORATED SUBDRAIN	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
sтм ——— sтм ———	PROPOSED STORM SEWER	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR
	PROPOSED SANITARY SEWER	PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE
		ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
	EXISTING STORM SEWER EXISTING SANITARY SEWER	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY
	EXISTING WATERMAIN	DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. REFERENCE:
•	EXISTING MANHOLE	REFERENCE. PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM
	EXISTING CATCHBASIN	TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK Ltd. FIELD WORK COMPLETE NOVEMBER 4, 2015.
-	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN	Job No. E-7265-15 BEARING ARE GRID, DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS
•	PROPOSED STC300	OBSERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9.
$\otimes$	PROPOSED CURB STOP	NAD-83 (CSRS) (1997)
$\bullet$	PROPOSED WELL	COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG 216/10
	PROPOSED PIPE INSULATION	-POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71
	PROPOSED 100 YEAR HIGH WATER LEVEL	
	STORM WATERSHED EXTENT	BOUNDARY INFO COMPILED FROM PLAN 4R-27946.
	-WATERSHED NAME	5m 0 10 20m
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		04 ISSUED AS PER SNC D.M. 01 APR 2019

USE AND INTERPRETATION OF DRAWINGS

03         ISSUED FOR SPA #3         G.B.         02 NOV 2018           02         ISSUED FOR SPA #2         G.B.         07 SEP 2018           01         ISSUED FOR SPA         G.B.         05 FEB 2018           No.         REVISIONS         BY         DATE	04	ISSUED AS PER SNC COMMENT	D.M.	01 APR 2019
01         ISSUED FOR SPA         G.B.         05 FEB 2018	03	ISSUED FOR SPA #3	G.B.	02 NOV 2018
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No. REVISIONS BY DATE	01	ISSUED FOR SPA	G.B.	05 FEB 2018
	No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



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### **C&C TRANSPORTATION**

DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

#### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

549 POW

CLIENT

# LANDSCAPING PLAN

PROJECT NO 170254



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		GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DOMINION THE CONTRACT DOCUMENTS INVITIES NOT UNLY THE DOMINION
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	PROPOSED LIMIT OF CONSTRUCTION	AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS
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-00	PROPOSED SILT FENCE AS PER OPSD 219.110	DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
	PROPOSED HEAVY DUTY ASPHALT	THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED
	PROPOSED LIGHT DUTY ASPHALT	CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN
	PROPOSED GRAVEL AREA	FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
	PHASE 2 - FUTURE DEVELOPMENT	UNAUTHORIZED CHANGES:
	PROPOSED RIP RAP AS PER OPSD 810.010	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT,
×50.00	PROPOSED ELEVATION	THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY
×50.00HP	PROPOSED HIGH POINT ELEVATION	FROM SUCH UNAUTHORIZED CHANGES.
×50.00SW	PROPOSED SWALE ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION	OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
×50.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION	OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR
×50.00TS	PROPOSED TOP OF SIDEWALK ELEVATION	WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST
×50.00EX	MATCH INTO EXISTING ELEVATION	ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.
×70.19	EXISTING ELEVATION	GENERAL NOTES: EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN
	PROPOSED OVERLAND MAJOR FLOW ROUTE	FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.
3 — SUB —	PROPOSED 100mmØ PERFORATED SUBDRAIN	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
1 STM	PROPOSED STORM SEWER	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS,
SAN	PROPOSED SANITARY SEWER	SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE
R WTR	PROPOSED WATERMAIN EXISTING STORM SEWER	ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
I SAN	EXISTING SANITARY SEWER	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY
R — WTR —	EXISTING WATERMAIN	DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. REFERENCE:
0	EXISTING MANHOLE	PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM
	EXISTING CATCHBASIN	TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK Ltd. FIELD WORK COMPLETE NOVEMBER 4, 2015.
	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN	Job No. E-7265-15 BEARING ARE GRID. DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS
•	PROPOSED STC300	OBSERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68°16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9.
$\otimes$	PROPOSED CURB STOP	NAD-83 (CSRS) (1997)
$\bullet$	PROPOSED WELL	COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG 216/10
	PROPOSED PIPE INSULATION	-POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71
	PROPOSED 100 YEAR HIGH WATER LEVEL	BOUNDARY INFO COMPILED FROM PLAN 4R-27946.
	STORM WATERSHED EXTENT	
WS-XX	-WATERSHED NAME	5m 0 10 20m
CONTROLLED	-RUNOFF COEFFICIENT	SCALE: 1:400
REA RUNOFF	-AREA IN HECTARES	
$\checkmark$		ISSUED AS PER SNC

04	ISSUED AS PER SNC COMMENT	D.M.	01 APR 2019
03	ISSUED FOR SPA #3	G.B.	02 NOV 2018
02	ISSUED FOR SPA #2	G.B.	07 SEP 2018
01	ISSUED FOR SPA	G.B.	05 FEB 2018
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



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

#### **C&C TRANSPORTATION**

DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

#### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

DRAWING TITLE

# GRADING AND DRAINAGE PLAN

PROJECT NO. 170254

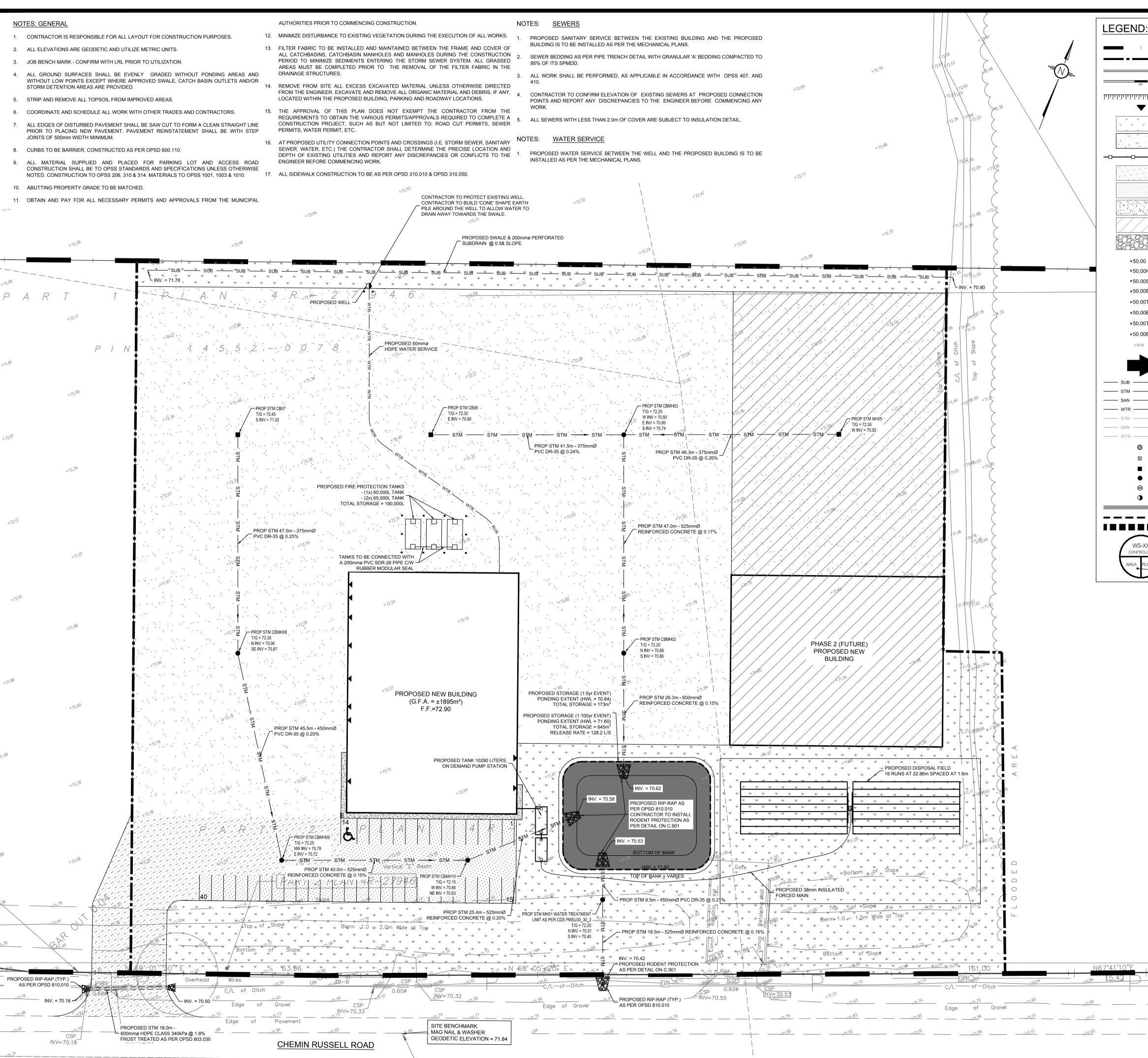
DATE 26 JUNE, 2017 C301

#### NOTES: GENERAL

- WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE, CATCH BASIN OUTLETS AND/OR STORM DETENTION AREAS ARE PROVIDED.

- NOTED. CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.

- PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE
- CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO; ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
- SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.



	EXISTING PROPERTY LINE TO REMAIN
	PROPOSED LIMIT OF CONSTRUCTION
	PROPOSED CURB
DC	PROPOSED DEPRESSED CURB
	PROPOSED TERRACING (3:1 MIN.)
	PROPOSED DOOR ENTRANCE/EXIT
* * *	FROFOSED DOOR ENTRANGE/EXT
	PROPOSSED GRASS AREA
	PROPOSED CONCRETE FEATURES/SLAB
	PROPOSED SILT FENCE AS PER OPSD 219.110
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED LIGHT DUTY ASPHALT
	PROPOSED GRAVEL AREA
	PHASE 2 - FUTURE DEVELOPMENT
	PROPOSED RIP RAP AS PER OPSD 810.010
×50.00	PROPOSED ELEVATION
×50.00HP	PROPOSED HIGH POINT ELEVATION
×50.00SW	PROPOSED SWALE ELEVATION
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION
×50.00TC	PROPOSED TOP OF CURB ELEVATION
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION
×50.00TS	PROPOSED TOP OF SIDEWALK ELEVATION
×50.00EX	MATCH INTO EXISTING ELEVATION
×70.19	
×70.19	EXISTING ELEVATION
	PROPOSED OVERLAND MAJOR FLOW ROUTE
3 — SUB —	PROPOSED 100mmØ PERFORATED SUBDRAIN
	PROPOSED STORM SEWER
I SAN	PROPOSED SANITARY SEWER
R WTR	PROPOSED WATERMAIN
1 STM	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
R WTR	EXISTING WATERMAIN
$\circ$	EXISTING MANHOLE
	EXISTING CATCHBASIN
	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
•	PROPOSED STC300
$\otimes$	PROPOSED CURB STOP
•	PROPOSED WELL
	PROPOSED PIPE INSULATION
	PROPOSED 100 YEAR HIGH WATER LEVEL
	STORM WATERSHED EXTENT
WS-XX	-WATERSHED NAME
CONTROLLED	-RUNOFF COEFFICIENT
REA RUNOFF	
	- AREA IN HECTARES

USE AND INTERPRETATION OF DRAWINGS GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF

LE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF TH RAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWING UT ALSO THE OWNER-CONTRACTOR AGREEMENTS. CONDITIONS OF TI CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUE AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE OMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING A REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL B ONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK OWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT. THE OWNER ONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. T CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZE CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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 TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THES DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NO RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AN PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS C CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIE CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITION: AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFEC THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEET FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO IS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL E FORTHCOMING.

UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSEN THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUC CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LF AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTL ROM SUCH UNAUTHORIZED CHANGES.

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 DEFENS G FROM SUCH CHANGES

IN ADDITION. THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FO 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 OF INDIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIO IRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTO D INDEMNIEY BOTH LRI AND THE CLIENT FROM ANY LIABILITY OR COS NG FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATIO GENERAL NOTES:

EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING O PERFORMING WORK

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS

WHICH ARSE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW TH ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS NCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY

DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. REFERENCE:

PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK Ltd. FIELD WORK COMPLETE NOVEMBER 4, 2015.

BEARING ARE GRID, DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS DESERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 NAD-83 (CSRS) (1997)

COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG

POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71

Job No. E-7265-15

BOUNDARY INFO COMPILED FROM PLAN 4R-27946

SCALE: 1:400

04	ISSUED AS PER SNC COMMENT	D.M.	01 APR 2019
03	ISSUED FOR SPA #3	G.B.	02 NOV 2018
02	ISSUED FOR SPA #2	G.B.	07 SEP 2018
01	ISSUED FOR SPA	G.B.	05 FEB 2018
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



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

### **C&C TRANSPORTATION**

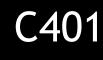
DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

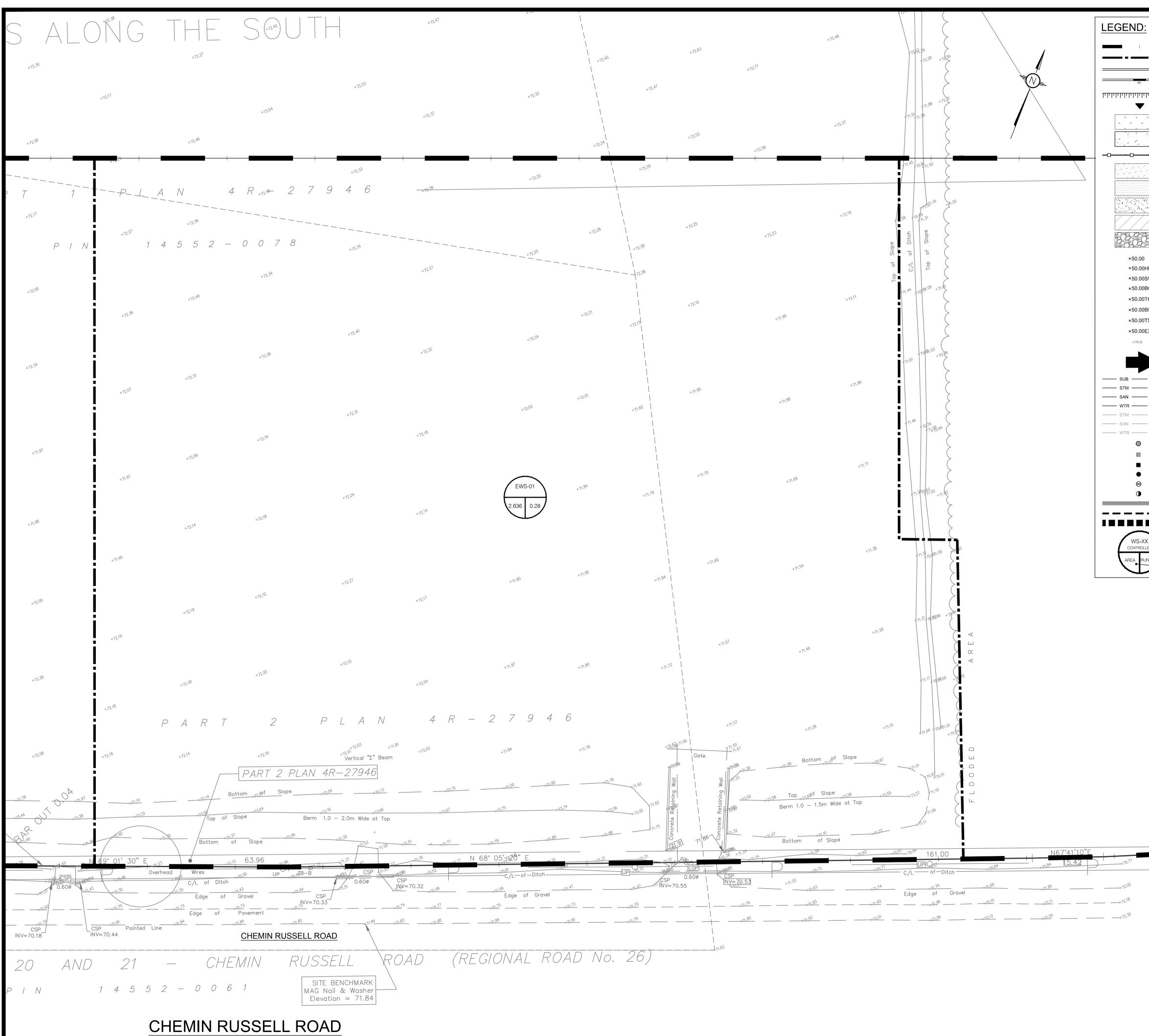
### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

AWING TITL

SERVICING PLAN & STORMWATER MANAGEMENT PLAN

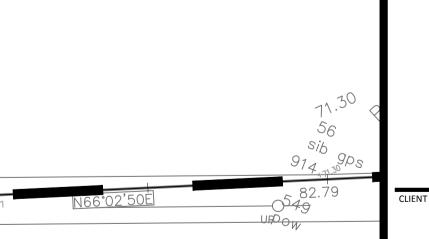
PROJECT NO.
170254





		USE AND INTERPRETATION OF DRAWINGS		
<u>:ND:</u>	EXISTING PROPERTY LINE TO REMAIN	GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF TH DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWING BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF TH CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUE AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS AR		
	PROPOSED LIMIT OF CONSTRUCTION	COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING A IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL B CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WOR		
	PROPOSED DEPRESSED CURB	SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNE		
		CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. TH CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZE		
	PROPOSED TERRACING (3:1 MIN.)	HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AN CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF TH CONTRACT DOCUMENTS.		
<b>•</b>	PROPOSED DOOR ENTRANCE/EXIT	AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILE		
	PROPOSSED GRASS AREA	OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY TH ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THI PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDIN REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MAD		
	PROPOSED CONCRETE FEATURES/SLAB	BY THE ENGINEER.		
	PROPOSED SILT FENCE AS PER OPSD 219.110	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THES DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS CONSTRUCTION DOCUMENT.		
	PROPOSED HEAVY DUTY ASPHALT	THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NO RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AN PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS O CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIE		
	PROPOSED LIGHT DUTY ASPHALT	CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITION AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFEC THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK		
	PROPOSED GRAVEL AREA	ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEE FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. N CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL B FORTHCOMING.		
	PHASE 2 - FUTURE DEVELOPMENT	UNAUTHORIZED CHANGES:		
	PROPOSED RIP RAP AS PER OPSD 810.010	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS O SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABL MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLAN: SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LE ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSEN THE CURL ACCUME FULL PERCONSTRUCTION OF COMPANY		
×50.00	PROPOSED ELEVATION	THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUC CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LR AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTL		
×50.00HP	PROPOSED HIGH POINT ELEVATION	FROM SUCH UNAUTHORIZED CHANGES.		
×50.00SW	PROPOSED SWALE ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED B LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIE		
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION	OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSI ARISING FROM SUCH CHANGES.		
×50.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FO CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTO		
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION	OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES O MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIO		
×50.00TS	PROPOSED TOP OF SIDEWALK ELEVATION	WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTO TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COS		
×50.00EX	MATCH INTO EXISTING ELEVATION	ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION		
×70.19	EXISTING ELEVATION	GENERAL NOTES: EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKE		
	PROPOSED OVERLAND MAJOR FLOW ROUTE	FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR T DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OF PERFORMING WORK.		
3 SUB	PROPOSED 100mmØ PERFORATED SUBDRAIN	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITION BEFORE START OF CONSTRUCTION.		
1 —— STM ——	PROPOSED STORM SEWER	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FO		
N SAN	PROPOSED SANITARY SEWER	PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEM		
R — WTR —	PROPOSED WATERMAIN	WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW TH ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSION: INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.		
1 STM		CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF AN		
N SAN R WTR		DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.		
•	EXISTING MANHOLE			
	EXISTING CATCHBASIN	PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK LId. FIELD WORK COMPLETE NOVEMBER 4, 2015.		
-	PROPOSED CATCHBASIN	Job No. E-7265-15		
-	PROPOSED STC300	BEARING ARE GRID, DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS OBSERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING		
8	PROPOSED CURB STOP	N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9. NAD-83 (CSRS) (1997)		
Ū	PROPOSED WELL	COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG 216/10		
	PROPOSED PIPE INSULATION	-POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71		
	PROPOSED 100 YEAR HIGH WATER LEVEL			
	STORM WATERSHED EXTENT	BOUNDARY INFO COMPILED FROM PLAN 4R-27946.		
WS-XX	-WATERSHED NAME	5m 0 10 20m		
CONTROLLED	-RUNOFF COEFFICIENT	SCALE: 1:400		
	-AREA IN HECTARES			
		04ISSUED AS PER SNC COMMENTD.M.01 APR 2019		

USE AND INTERPRETATION OF DRAWINGS





1/04/2

03 ISSUED FOR SPA #3

02 ISSUED FOR SPA #2

NOT AUTHENTIC UNLESS SIGNED AND DATED

REVISIONS

01 ISSUED FOR SPA

G.B. 02 NOV 2018

G.B. 07 SEP 2018

G.B. 05 FEB 2018

BY DATE

\_\_\_\_\_

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

### **C&C TRANSPORTATION**

DESIGNED BY:	DRAWN BY:	APPROVED BY:
G.B.	M.L.	J.C.L.
PROJECT		

### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

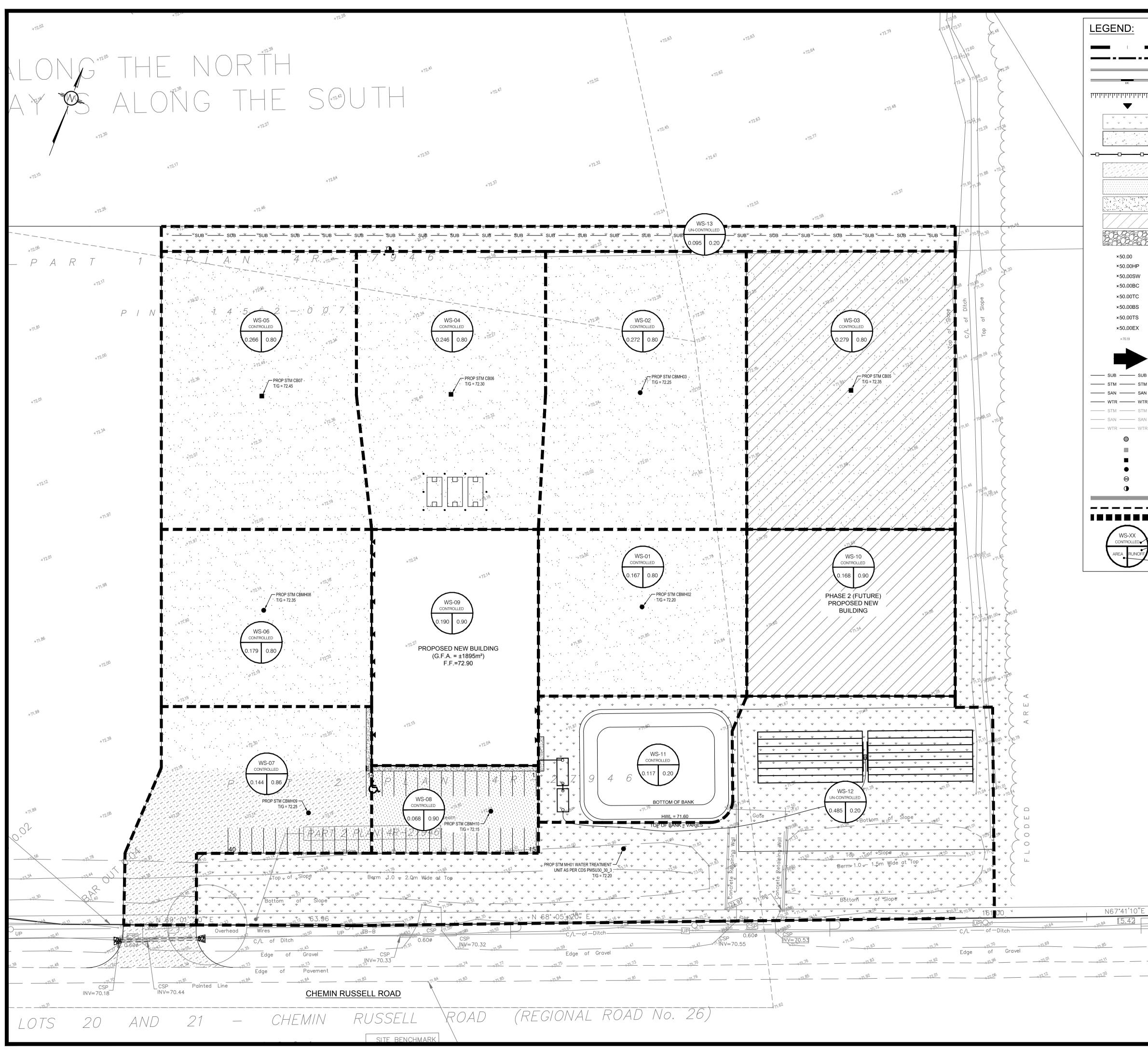
DRAWING TITLE

## PRE-DEVELOPMENT WATERSHED PLAN

PROJECT NO. 170254

DATE 26 JUNE, 2017





		USE AND INTERPRETATION OF DRAWINGS
ND:		GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PA THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT O
	EXISTING PROPERTY LINE TO REMAIN	DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAV BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS O
	PROPOSED LIMIT OF CONSTRUCTION	CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS IN AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENT COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BIND
		IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SH. CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS
	PROPOSED CURB	SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS
DC	PROPOSED DEPRESSED CURB	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS
որդորդորդութ	PROPOSED TERRACING (3:1 MIN.)	CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILI/ HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSION CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF
▼	PROPOSED DOOR ENTRANCE/EXIT	CONTRACT DOCUMENTS.
$\psi$ $\psi$ $\psi$		AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED B
¥ ¥ ¥ ¥	PROPOSSED GRASS AREA	ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOD PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCL REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE
	PROPOSED CONCRETE FEATURES/SLAB	BY THE ENGINEER.
		UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USE
	PROPOSED SILT FENCE AS PER OPSD 219.110	CONSTRUCTION DOCUMENT. THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER
	PROPOSED HEAVY DUTY ASPHALT	RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPEC
		CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IN CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL COND
	PROPOSED LIGHT DUTY ASPHALT	AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY A THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WO ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE
	PROPOSED GRAVEL AREA	FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WI
		FORTHCOMING.
	PHASE 2 - FUTURE DEVELOPMENT	
	PROPOSED RIP RAP AS PER OPSD 810.010	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, I
	FROFOSED RIF RAF AS FER OFSD 810.010	SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED E ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CON
×50.00	PROPOSED ELEVATION	THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAIN
×50.00HP	PROPOSED HIGH POINT ELEVATION	AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIR FROM SUCH UNAUTHORIZED CHANGES.
×50.00SW	PROPOSED SWALE ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITT LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIAB
×50.00BC	PROPOSED BOTTOM OF CURB ELEVATION	OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEI ARISING FROM SUCH CHANGES.
×50.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACT
×50.00BS	PROPOSED BOTTOM OF SIDEWALK ELEVATION	CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANG MODIFICATIONS TO LRU'S CONSTRUCTION DOCUMENTS WITHOUT THE
×50.00TS	PROPOSED TOP OF SIDEWALK ELEVATION	WOLFICATIONS TO LEES CONSTRUCTION DOCUMENTS WITHOUT THE WRITTEN APPROVAL OF LEL AND THAT FURTHER REQUIRES THE CONTR. TO INDEMNIFY BOTH LEL AND THE CLIENT FROM ANY LIABILITY OR
×50.00EX	MATCH INTO EXISTING ELEVATION	ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZ
×70.19	EXISTING ELEVATION	GENERAL NOTES:
		EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATI
	PROPOSED OVERLAND MAJOR FLOW ROUTE	PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGIN PERFORMING WORK.
		CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL COND
	PROPOSED 100mmØ PERFORATED SUBDRAIN PROPOSED STORM SEWER	BEFORE START OF CONSTRUCTION.
	PROPOSED SANITARY SEWER	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILIT PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE OF SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PRO
	PROPOSED WATERMAIN	WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMIS
1 STM	EXISTING STORM SEWER	INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
I SAN	EXISTING SANITARY SEWER	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER O DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
R WTR	EXISTING WATERMAIN	REFERENCE:
0	EXISTING MANHOLE	PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN,
	EXISTING CATCHBASIN	VOLLEBERK LIG. FIELD WORK COMPLETE NOVEMBER 4, 2015. Job No. E-7265-15
	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN	BEARING ARE GRID, DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GP
•	PROPOSED STC300	OBSERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZON
$\otimes$	PROPOSED CURB STOP	NAD-83 (CSRS) (1997) COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH C
•	PROPOSED WELL	COORDINATE VALUES ARE TO ORBAN ACCURACY IN ACCORDANCE WITH C 216/10 -POINT A NORTHING 5026437.63, EASTING 392706.88
	PROPOSED PIPE INSULATION	-POINT B NORTHING 5026547.14, EASTING 392981.71
	PROPOSED 100 YEAR HIGH WATER LEVEL	BOUNDARY INFO COMPILED FROM PLAN 4R-27946.
	STORM WATERSHED EXTENT	5m 0 10 20m
WS-XX	-WATERSHED NAME	SCALE: 1:400
CONTROLLED	-RUNOFF COEFFICIENT	JUALE. 1.400
REA RUNOFF		
	- AREA IN HECTARES	ISSUED AS PER SNC
	· · · · · · · · · · · · · · · · · · ·	

04	ISSUED AS PER SNC COMMENT	D.M.	01 APR 2019
03	ISSUED FOR SPA #3	G.B.	02 NOV 2018
02	ISSUED FOR SPA #2	G.B.	07 SEP 2018
01	ISSUED FOR SPA	G.B.	05 FEB 2018
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



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

### **C&C TRANSPORTATION**

DESIGNED BY: G.B.	drawn by: M.L.	APPROVED BY: J.C.L.		
PROJECT				
NEW GARAGE AND OFFICE				

# 8015 RUSSELL ROAD, OTTAWA (ON)

DRAWING TITLE

CLIEN

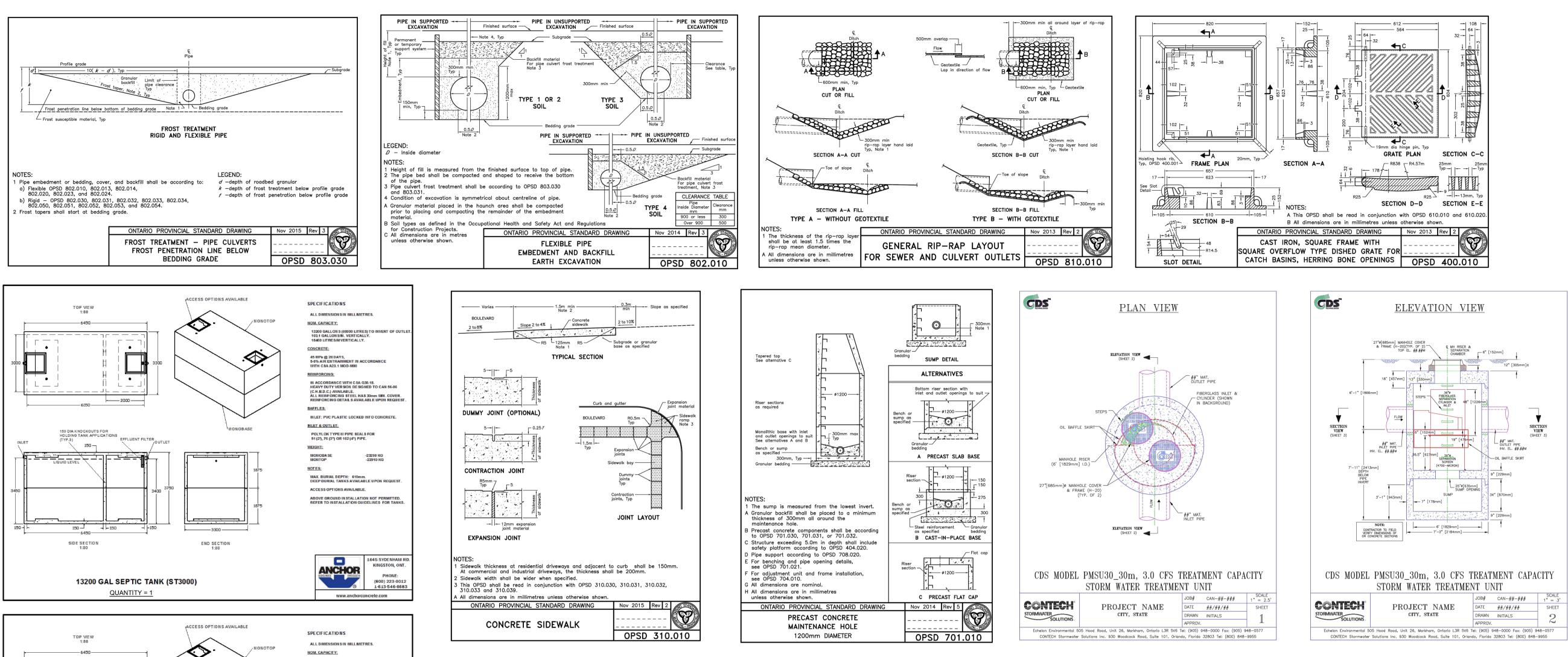
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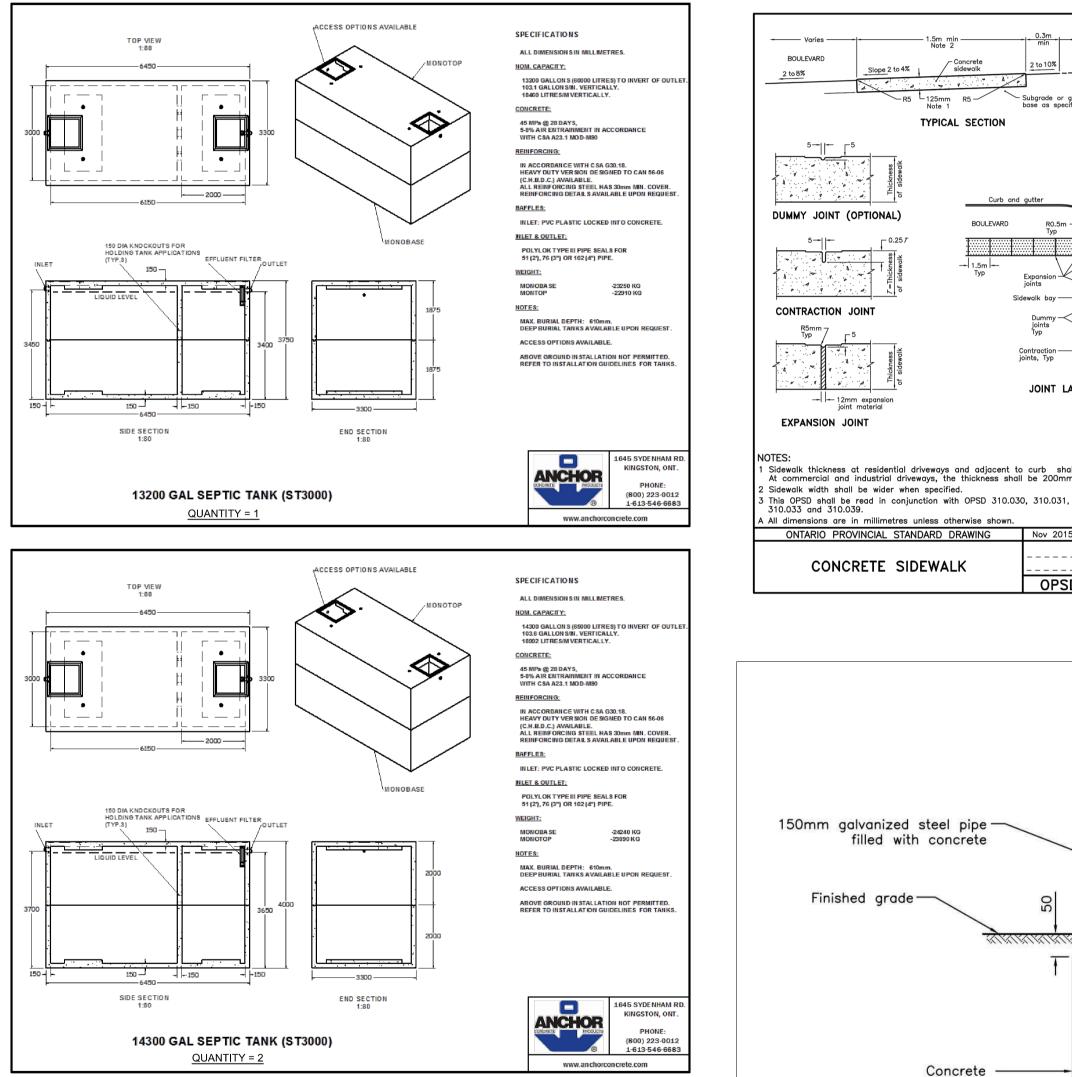
POST-DEVELOPMENT WATERSHED PLAN

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PROJECT NO.
170254
DATE
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26 JUNE, 2017

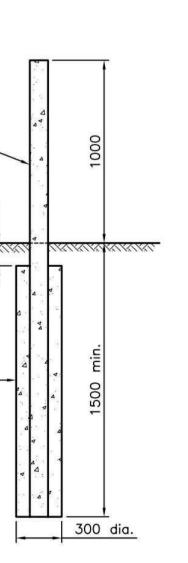
C702

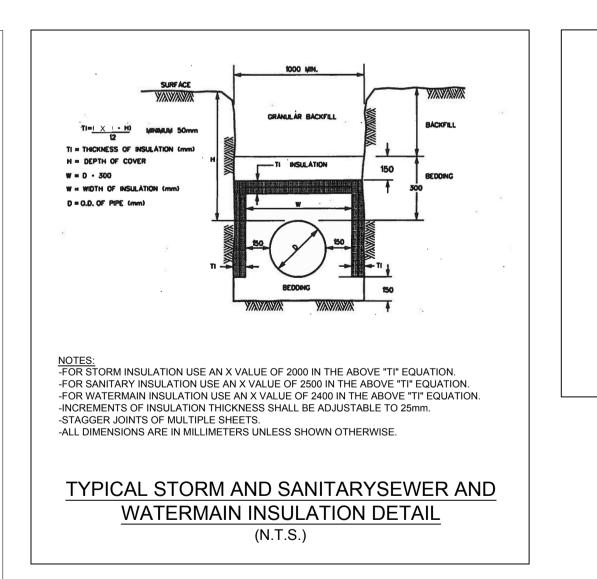


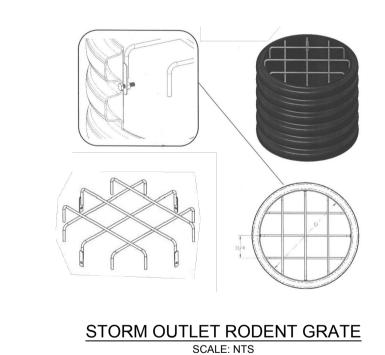


**BOLLARD DETAIL** (N.T.S.)

30MPA







	SIORM WAIER IREAIMENT UNIT			
t:		JOB#	CAN-##-###	SCALE 1'' = 3'
	PROJECT NAME	DATE	##/##/##	SHEET
	CITY, STATE	DRAWN	INITIALS	2
1		APPROV.		2
505 Hood Road, Unit 26, Markham, Ontario L3R 5V6 Tel: (905) 948-0000 Fax: (905) 948-0577				
ter Salutions Joc. 930 Woodcock Road. Suite 101. Orlando, Florida, 32803. Tel: (800), 848-9955				

#### JSE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART ( THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF TI DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWING BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF T CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUE AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS A IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WOR SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT. THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. T CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE. FAMILIARIZE HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AN CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF TI CONTRACT DOCUMENTS.

AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FIL OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE NGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR TH PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT. INCLUDIN REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MAD BY THE ENGINEER.

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", T DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIE CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITION AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. N CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL E FORTHCOMING.

#### UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS SUBCONTRACTORS. OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABL SUBCONTRACTORS, OR ANTONE FOR WHOM THE CLIENT IS LEGALE LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSEN THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUC CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST L AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTL FROM SUCH UNAUTHORIZED CHANGES.

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.

N ADDITION. THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FO CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES ( MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTO TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COS ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION GENERAL NOTES:

EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAK ROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR T DATE, CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION C PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OI PERFORMING WORK.

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITION BEFORE START OF CONSTRUCTION.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FO PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEM WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW TI ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSION INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF AN DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. REFERENCE:

PROPERTY BOUNDARY INFORMATION AND GRADES TAKEN FROM TOPOGRAPHICAL PLAN OF SURVEY, PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK Ltd. FIELD WORK COMPLETE NOVEMBER 4, 2015. Job No. E-7265-15

BEARING ARE GRID. DERIVED FROM CAN-NET 3.0 REAL TIME NETWORK GPS SERVATIONS ON POINTS A AND B, SHOWN HEREON, HAVING A BEARING N68"16'30"E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9. NAD-83 (CSRS) (1997)

COORDINATE VALUES ARE TO URBAN ACCURACY IN ACCORDANCE WITH O.REG -POINT A NORTHING 5026437.63, EASTING 392706.88 -POINT B NORTHING 5026547.14, EASTING 392981.71

BOUNDARY INFO COMPILED FROM PLAN 4R-27946.

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NOT AUTHENTIC UNLESS SIGNED AND DATED



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#### **C&C TRANSPORTATION**

DESIGNED BY APPROVED BY DRAWN BY G.B. M.L. J.C.L. PROJECT

### NEW GARAGE AND OFFICE 8015 RUSSELL ROAD, OTTAWA (ON)

DRAWING TITLE

CLIENT

### CONSTRUCTION DETAILS PLAN

PROJECT NO. 170254

