







	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
Results 00 System Volume and Bed Size	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. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF
installed Storage Volume: 112.53 cubic meters. 5 Storage Volume Per Chamber: 3.12 cubic meters. 4 wrold Number Of Chambers Required: 20 Number Of End Caps Required: 4	WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND 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
Chamber Rows: 2 cubic meters. Maximum Length: 23.67 m. Maximum Width: 4.68 m.	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.
n. Approx. Bed Size Required: 110.61 square me- ters. n. <u>System Components</u>	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE 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
h. x 25.00 m.) Amount Of Stone Required: 122 cubic meters Volume Of Excavation (Not Including 186 cubic meters Fill): Total Non-woven Geotextile Required:380 square meters	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 AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE
Woven Geotextile Required (excluding14 square meters Isolator Row): Woven Geotextile Required (Isolator 74 square meters Row):	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. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
Total Woven Geotextile Required: 88 square meters Impervious Liner Required: 0 square meters	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
PINES, CAMARCE N IF COOMING WALL IT'S TO SE PROCTOR DUBLIT. HE INTERNAL FOR CONTENTION OF THE ALL AND THE ALL CHARGES SHALL BE DEBIORED A ACCORDANCE MATH ADM F2707 "ADMADED ATCHEFT ON IT REPORTING DEGLAR THE ALL AND THE ALL PROMEMENT ANTE (DESIGN BEDGENES) IN THE DESIGN BENGREED) IN THE DESIGN BENGREED)	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 CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY
	LIABILITY ARISING DIRECTLY OR INDIRECTLY 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
The state of the s	COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES. IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR
ISTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREARE COVER TO 24"	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.
	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 OR 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 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.
	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	SUBJECTIO
	SUBJECT TO APPROVAL
	03ISSUED FOR MUNICIPAL APPROVALK.H.19 DEC 202302ISSUED FOR MUNICIPAL APPROVALK.H.09 JUN 2023
PIPE IN UNSUPPORTED	01ISSUED FOR MUNICIPAL APPROVALA.S.24 DEC 2021No.REVISIONSBYDATE
Backfill material For pipe culvert frost treatment	V. JOHNSON THE
7PE 1 OR 2 TYPE 3 SOIL SOIL 0.5.2	V. JOHNSON TO 100510576
	12-19-2023 BOUNNEE OF ONTANIC
EXCAVATION EXCAVATION Finished surface	
DPSD 803.030	NOT AUTHENTIC UNLESS SIGNED AND DATED
reline of pipe. be compacted the embedment $\begin{array}{c c c c c c c c c c c c c c c c c c c $	
IND Safety Act and Regulations Over 900 500 O PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3 FLEXIBLE PIPE	
ABEDMENT AND BACKFILL	
STEP KEY	5430 Canotek Road Ottawa, ON, K1J 9G2 www.lrl.ca (613) 842-3434
-300mm (MIN.) TYP. -300mm (MIN.) TYP. 	CLIENT LANDRIC HOMES 1173 CYRVILLE RD, SUITE 202,
-SAWCUT	OTTAWA ON K1J 756 DESIGNED BY: DRAWN BY: APPROVED BY: K H K H V I
UNDISTURBED GRANULAR — EXISTING GRANULAR 'A'	K.H. K.H. V.J.
EXISTING GRANULAR 'B'	NAVAN STACKED TOWN HOMES 6001/6005 RENAUD RD, OTTAWA, ONTABIO
TRENCH - FINAL BACKFILL - APPROVED NATIVE MATERIAL OR SELECT SUBGRADE IN ACCORDANCE WITH F-2120	
EXCAVATED TRENCH COMPACTED IN ACCORDANCE WITH D-029 TABLE 2	DRAWING TITLE
COURSE ASPHALT SUPERPAVE 12.5mm .0mm IS TO BE USED. //X SHALL BE LEVEL B (PG58-34) FOR NON-BUS LOCAL ROADS,	CONSTRUCTION DETAIL PLAN
ADS. ISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, AND GRANULAR "A" FOR THE REMAINDER. UNDERLYING LAYER OF CONCRETE PAVEMENT EXISTS, OF SUPERPAVE 19.00mm LEVEL B (PG58-34) COMPACTED IN LIFTS. SPHALT PLACEMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH F-3130,	PROJECT NO.
SPHALT PLACEMENT AND CONSTRUCTION SPACE BE IN ACCORDANCE WITH F-3130. THED UNLESS FULL DEPTH KEY OPTION APPROVED BY THE CITY. H A BEAD OF HOT RUBBERIZED ASPHALT JOINT SEALING COMPOUND.	210216 C902

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. TH

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NOVEMBER 2021