


LEGEND

LINE TYPES

— WM —	— EXISTING WATERMAIN
— SA —	— EXISTING SANITARY SEWER
— G —	— GAS LINE
— B —	— A/G BELL TELEPHONE SERVICE
— A-HV —	— A/G HIGH VOLTAGE ELECTRICAL
— E —	— U/G ELECTRICAL SERVICE
— — — — —	— GUARD RAIL

	GEOTECH BOREHOLE
	GEOTECH TEST PIT
	SANITARY MANHOLE
	STORM MANHOLE
	BOLLARD
	BELL-HYDRO POLE
	HYDRO POLE
	HYDRANT
	VALVE BOX
	VALVE CHAMBER
	CAP

- ⊗ VC EXIST. VALVE CHAMBER
- LS EXIST. LIGHT STANDARD
- LP EXIST. LAMP POST



EXIST. DECIDUOUS TREE

EXIST. CONIFEROUS TREE

STUMP EXIST. TREE STUMP

EXISTING SURFACE ELEVATION

4	ISSUED FOR TENDER	13/01/17
3	99% REVIEW	21/12/16
2	66% REVIEW	21/11/16
1	33% REVIEW	10/10/16
visions	description	date

A detail no.
no. du détail
 B location drawing no.
sur dessin no.
 C drawing no.
dessin no.

project	projet
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SIR JOHN CARLING
BUILDING - ANNEX
STORM SEWER RELINING

OTTAWA, ONTARIO

drawing	dessin
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PLAN - RELINING

DRAWING NOTES:

1. PROTECT AND DO NOT DISTURB EXISTING MONITORING WELL.
2. EXCAVATE TO UNDISTURBED NATIVE SOIL ON EITHER SIDE OF PREVIOUS PIPE TRENCH AND KEY-IN 300mm FOR NEW CIP LNER. EXTEND EXCAVATION UNDER EXISTING STORM PIPE AND PIPE BEDDING TO 300mm BELOW UNDISTURBED NATIVE MATERIAL. BACKFILL WITH CLAY MATERIAL, 1.0m THICK AND TO 1.0m OF EXISTING GRADE. EXCAVATE EXISTING EXCAVATION FROM TOP OF CLAY SEAL MATERIAL TO SURFACE WITH TYPE 1 FILL.
3. FOR LNER END SEAL INSTALLATION FOR NEW PIPE RE-LINING, TRIM BACK BOTH EXISTING CURED IN PLACE (CIP) LINER AND NEW CIP LINER TO CARRIER PIPE AS PER MANUFACTURER'S INSTRUCTIONS AND INSTALL NEW LINER END SEAL.
4. FOR LNER END SEAL INSTALLATION ON EXISTING CIP LINER, TRIM BACK EXISTING CIP LINER TO CARRIER PIPE AS PER MANUFACTURER'S INSTRUCTIONS AND INSTALL NEW LINER END SEAL.
5. ALL SURFACES, UNLESS OTHERWISE NOTED, ARE TO BE RESTORED TO EXISTING SURFACE GRADES WITH TYPE 1 FILL.
6. REINSTATE DAMAGED LAWNS IN VICINITY OF MAINTENANCE HOLE DMH138 WITH 150mm TOPSOIL AND SOD.

ender	D.MOIR	Soumission
	2017/01/13	

R.083619.002

drawing no.	no. du dessin
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