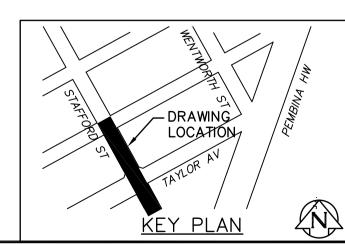


CONSTRUCTION NOTES:

- 1. SEWER AND WATER SERVICES SHOWN ON
- DRAWING ARE APPROXIMATE ONLY. 2. LOCATION OF ALL SEWER AND WATER LINES TO
- BE CONFIRMED IN FIELD. 3. INSTALL NEW SEWER BY TRENCHLESS METHODS,
- UNLESS OTHERWISE NOTED. 4. TRAFFIC MANAGEMENT PLAN TO BE IMPLEMENTED
- AS PER SPECIFICATIONS DURING EACH PHASE OF CONTRACT.
- 5. ALL SIZING FOR SHAFTS ARE SHOWN FOR PLANNING ONLY. CONTRACTOR TO DETERMINE REQUIRED SHAFT SIZE BASED ON SELECTED METHODOLOGY.
- 6. CONTRACTOR'S TEMPORARY SHAFT TO HAVE A MIN. OF 1.0m OF PROPOSED LDS INSTALLED INSIDE SHAFT. SHAFT TO BE FULLY BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (MAX. 1MPa).

APEGIN Certificate of Authorization CH2M HILL Canada Ltd. No. 1441



<u>WM</u> WATER MAIN	<u> 150 WM</u>		HYDRO		1 <u>50</u> WM	WATER MAIN	150 WM	L_{1}
HYDRANT	+		M.T.S.		_±_,_X_	HYDRANT, VALVE	<u>+</u> ,==	
VALVE	⊗		CONCRETE		300 LDS	LAND DRAINAGE SEWER	300 LDS	
<u>PS</u> LAND DRAINAGE SEWEF	300 LDS		ASPHALT		<u>250 WWS</u>	WASTE WATER SEWER	250 WWS	_ Sl
WS_ WASTE WATER SEWER	250 WWS		SIDEWALK		×	CENTRELINE		CC
MANHOLE			PLANING		\Box	NORTH/WEST GUTTER		N
CATCH BASIN			PROPERTY LINE		0	SOUTH/EAST GUTTER		LO
CURB INLET	▼	+	SURVEY BAR	-	♦, ٥	N/W , S/E R'S		SH AV
BEND	\vdash		GAS					THA
REDUCER	\square	√ ₀	CURB STOP	\				co
	ב	H	TEE	보				OB.
NG LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	BEI
	HYDRANT VALVE LAND DRAINAGE SEWER WASTE WATER SEWER MANHOLE CATCH BASIN CURB INLET MEDUCER	HYDRANT VALVE VALVE DS LAND DRAINAGE SEWER WWS WASTE WATER SEWER ANNHOLE CATCH BASIN CURB INLET BEND REDUCER VALVE VALVE	HYDRANT VALVE VALVE DS LAND DRAINAGE SEWER JOO LDS WASTE WATER SEWER JOO WWS MANHOLE CATCH BASIN CURB INLET BEND REDUCER W S HYDRANT W S HOW THE SEWER JOO LDS THE SEWER	HYDRANT VALVE VALVE S CONCRETE ASPHALT WS WASTE WATER SEWER 250 WWS SIDEWALK MANHOLE PLANING CATCH BASIN CURB INLET BEND REDUCER M.T.S. CONCRETE ASPHALT ASPHALT FROPERTY SIDEWALK PROPERTY LINE SURVEY BAR GAS CURB STOP TEE	HYDRANT VALVE S CONCRETE ASPHALT WS WASTE WATER SEWER 250 WWS SIDEWALK MANHOLE CATCH BASIN CURB INLET BEND REDUCER M.T.S. CONCRETE ASPHALT SIDEWALK PLANING Z///Z PROPERTY LINE SURVEY BAR GAS CURB STOP TEE	HYDRANT	HYDRANT VALVE VALVE VALVE CONCRETE CONCR	HYDRANT

WM	LOCATION APPROVED UNDERGROUND STRUCTURES	
WWS	SUPV. U/G STRUCTURES DATE COMMITTEE	
OSED	NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	

B.M ELE					KGS		1.0	Ī
					GROU CONSULTIN	G	42/4:	
					DESIGNED BY	SDG	CHECKED MD	
					DRAWN BY	JBC	APPROVED BY	
B A		D FOR RFQ UED FOR	11/2017 10/2017		HOR. SCALE: VERTICAL:	1: 250 1: 50	RELEASED FOR CONSTRUCTION:	}
NO.	REVISIONS		DATE	BY	DATE		DATE	

Winnipeg

ENGINEER'S SEAL

CONSULTANT DRAWING NO.

C - 254

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PRELIMINARY NOT FOR CONSTRUCTION PROJECT TITLE COCKBURN AND CALROSSIE COMBINED

SEWER RELIEF WORKS - CONTRACT 5 STAFFORD STREET

SHEET OF 17 OF 25 COMPUTER FILE NAME C-254.dwg CITY DRAWING NUMBER LD-8428