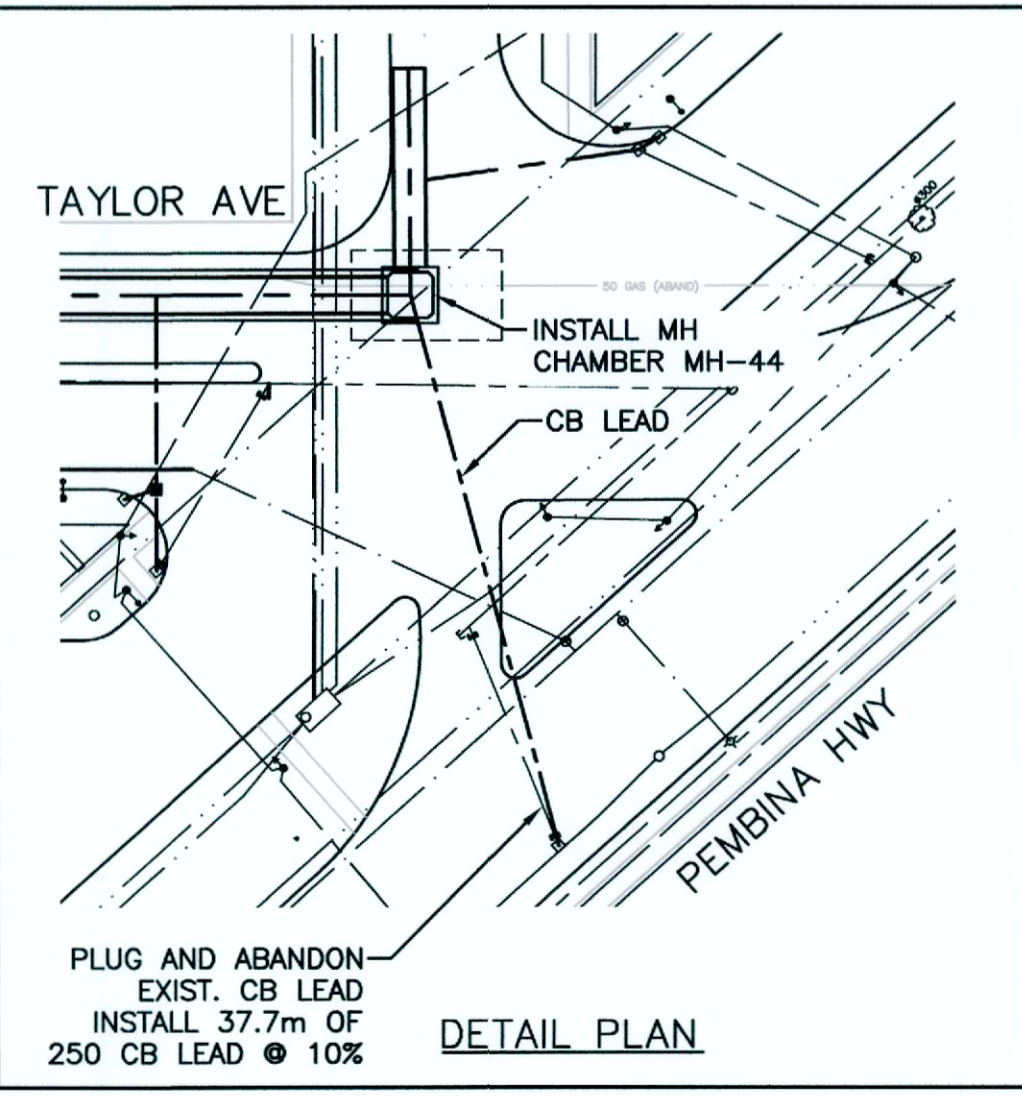
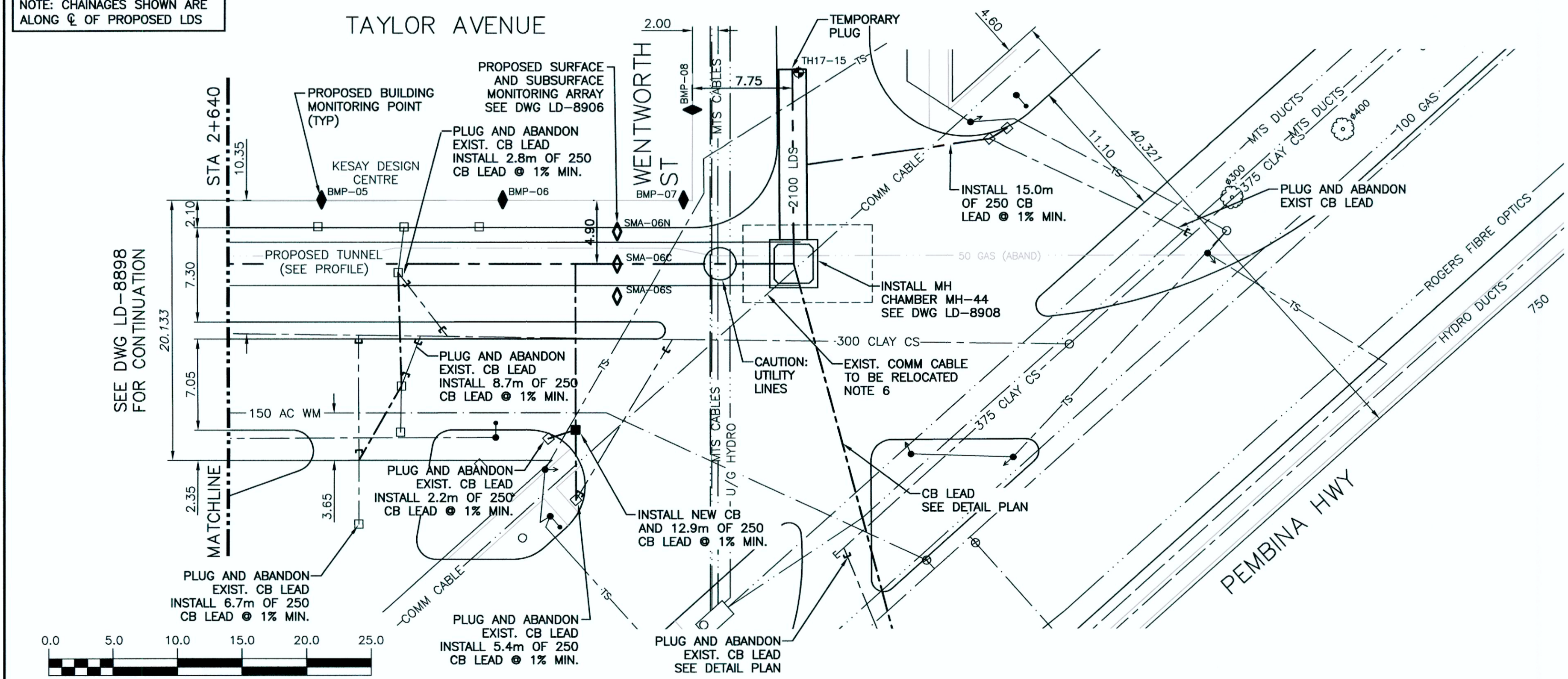


NOTE: CHAINAGES SHOWN ARE ALONG ϕ OF PROPOSED LDS

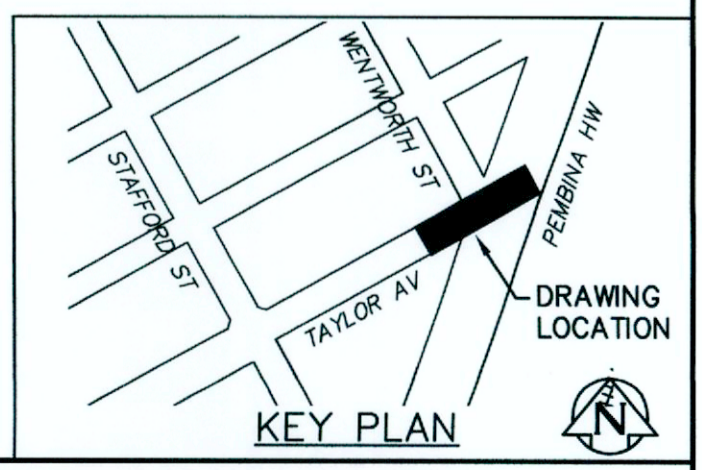
WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

PROPERTY LIMITS DELINEATION
 DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DRAWING DOES NOT REPRESENT A "LEGAL SURVEY". JACOBS AND KGS GROUP MAKE NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DRAWING, NOR ON THE DIMENSIONAL ACCURACY OF DRAWING FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

- CONSTRUCTION NOTES:**
- SEWER AND WATER SERVICES SHOWN ON DRAWING ARE APPROXIMATE ONLY.
 - LOCATION OF ALL SEWER AND WATER LINES TO BE CONFIRMED IN FIELD BY CONTRACTOR.
 - INSTALL NEW SEWER BY TRENCHLESS METHODS, UNLESS OTHERWISE NOTED.
 - ALL SIZING FOR SHAFTS ARE SHOWN FOR PLANNING ONLY. CONTRACTOR TO DETERMINE REQUIRED SHAFT SIZE BASED ON SELECTED METHODOLOGY.
 - 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).
 - CONTACT TELUS (647) 837-6443 TO COORDINATE COMMUNICATION CABLE RELOCATION.
 - CASING PIPE SHOWN FOR CONVENTIONAL TWO-PASS TUNNELING OPTION ONLY. DISREGARD FOR PIPE JACKING.
 - FOR TWO-PASS MAINTAIN A MINIMUM 250mm CLEARANCE BETWEEN TUNNEL AND CARRIER PIPE.



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



150 WM	WATER MAIN	150 WM	HYDRO	150 WM	WATER MAIN	150 WM
Ø	HYDRANT VALVE	+	M.T.S.	±	HYDRANT, VALVE	±
300 LDS	LAND DRAINAGE SEWER	300 LDS	CONCRETE	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	ASPHALT	250 WWS	WASTE WATER SEWER	250 WWS
○	MANHOLE	●	SIDEWALK	×	CENTRELINE	×
□	CATCH BASIN	■	PLANNING	□	NORTH/WEST GUTTER	□
▽	CURB INLET	▽	PROPERTY LINE	○	SOUTH/EAST GUTTER	○
∩	BEND	∩	SURVEY BAR	+	N/W, S/E P'S	+
∩	REDUCER	∩	GAS	◇, ○		◇, ○
J	LEGEND-PLAN	J	CURB STOP	∩		∩
EXISTING		PROPOSED	TEE	∩		∩
			LEGEND-PLAN			
			PROPOSED			
			LEGEND-PROFILE			
			PROPOSED			

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

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.

KGS GROUP CONSULTING ENGINEERS

JACOBS

DESIGNED BY SDG
 CHECKED BY MD
 DRAWN BY JBC
 APPROVED BY RBO (KGS Group)
 HOR. SCALE: 1:250
 VERTICAL: 1:50
 RELEASED FOR CONSTRUCTION: 01/2019
 DATE: 01/2019

ENGINEER'S SEAL
 PROVINCE OF MANITOBA
 DRAPER
 2 McArthur
 37958
 REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE
 COCKBURN AND CALROSSIE COMBINED SEWER RELIEF WORKS - CONTRACT 5

TAYLOR AVENUE
 FROM STA 2+640 TO PEMBINA HWY

SHEET OF 10 OF 19
 COMPUTER FILE NAME C-267.dwg
 CITY DRAWING NUMBER LD-8899

File Name: C:\pwworkdir\ch2mhill\wbg\cortez\ld0443046