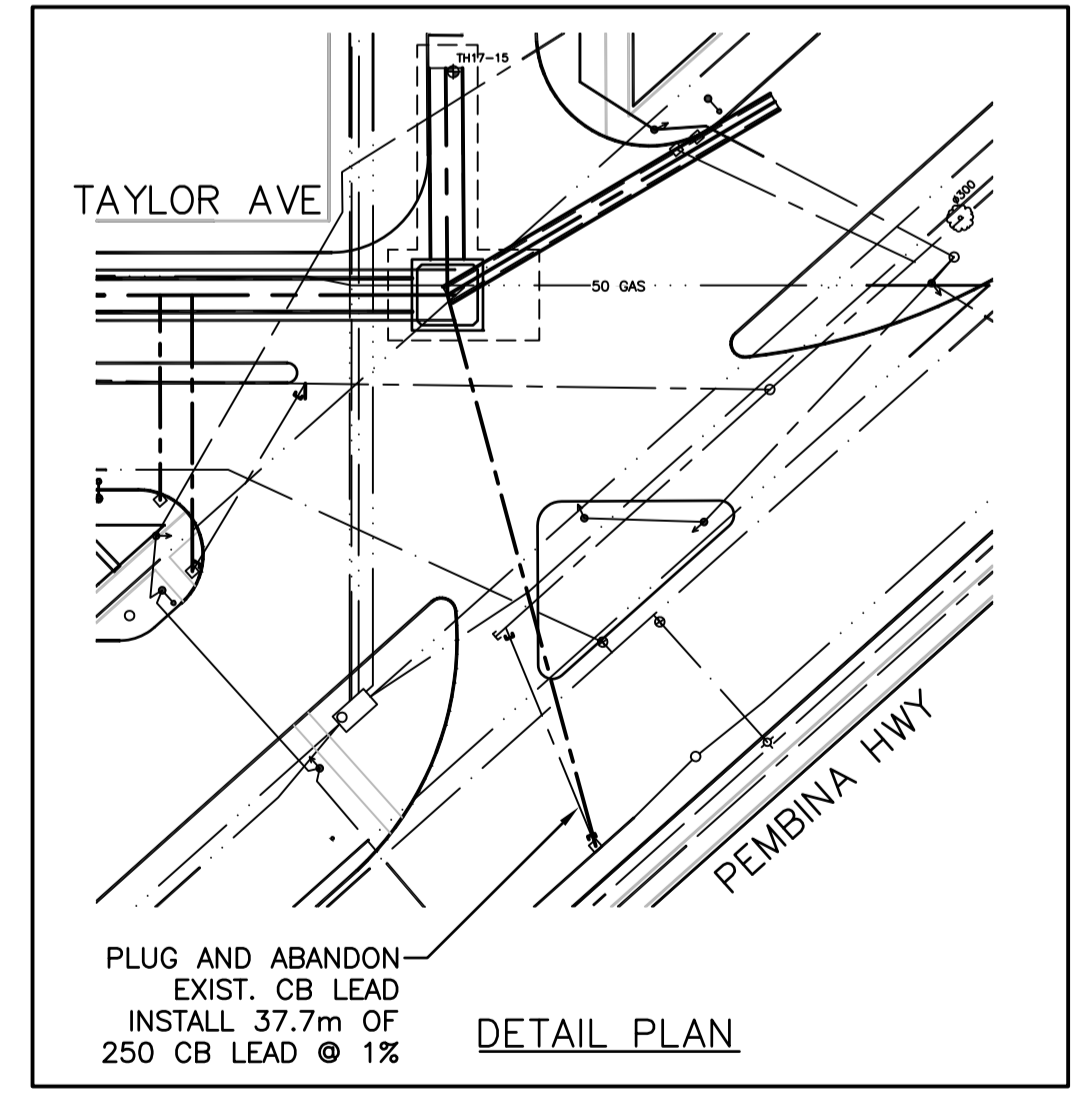
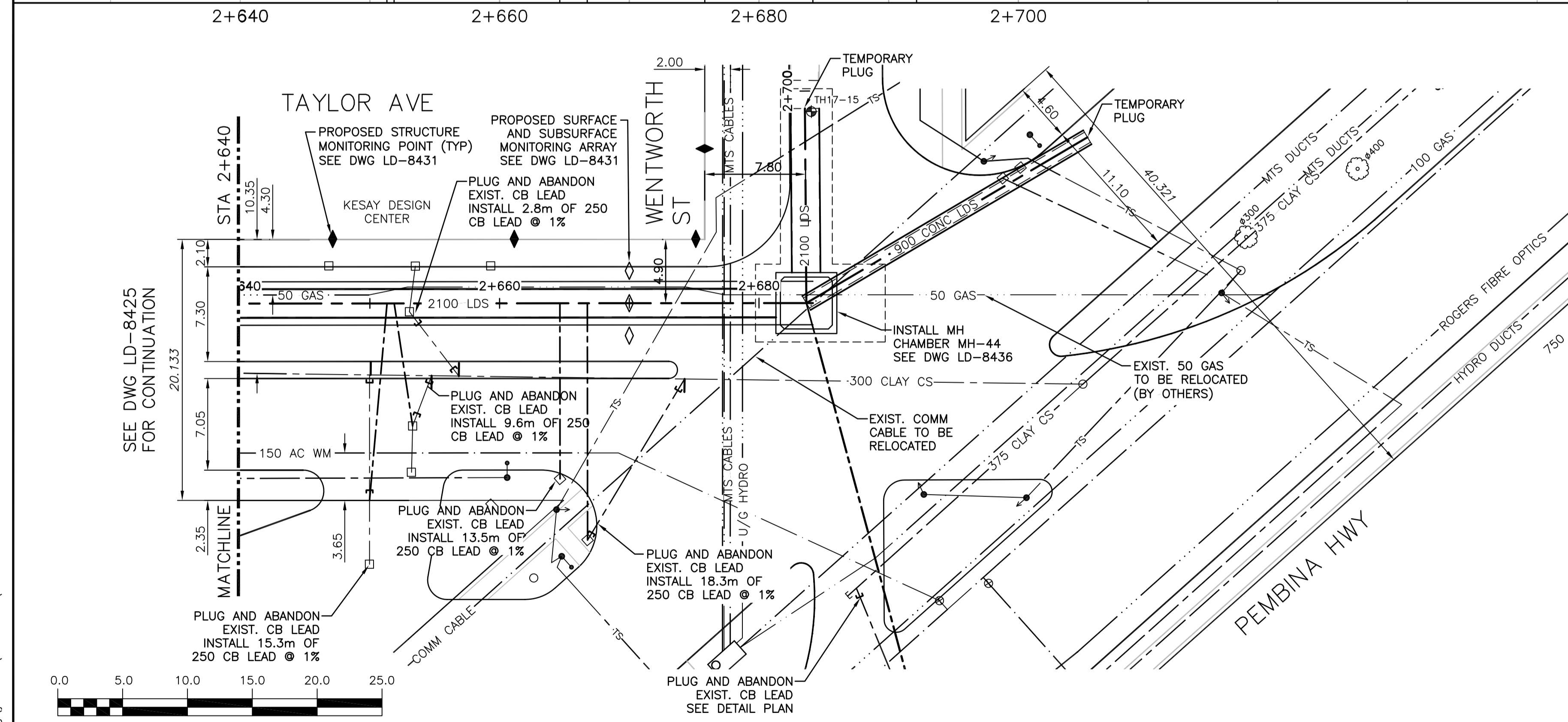




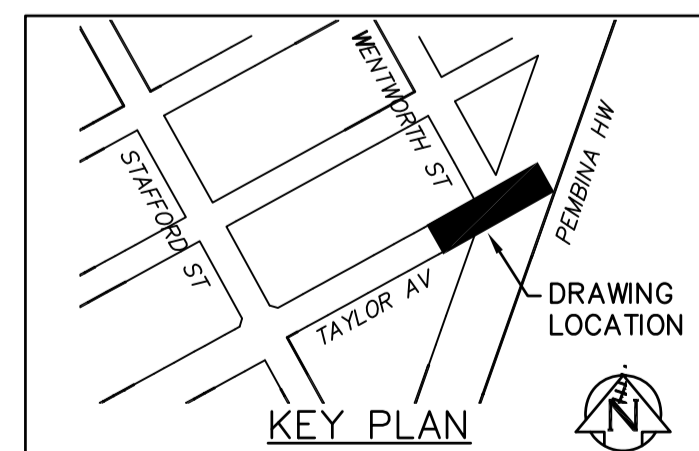
WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

PROPERTY LIMITS DELINEATION
 DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DRAWING DOES NOT REPRESENT A "LEGAL SURVEY". CH2M HILL MAKES 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.
 - INSTALL NEW SEWER BY TRENCHLESS METHODS, UNLESS OTHERWISE NOTED.
 - TRAFFIC MANAGEMENT PLAN TO BE IMPLEMENTED AS PER SPECIFICATIONS DURING EACH PHASE OF CONTRACT.
 - 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).



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



EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATER MAIN	150 WM	HYDRO	M.T.S.	150 WM	WATER MAIN	150 WM	
300 LDS	LAND DRAINAGE SEWER	300 LDS	CONCRETE	ASPHALT	300 LDS	LAND DRAINAGE SEWER	300 LDS	
250 WWS	WASTE WATER SEWER	250 WWS	SIDEWALK	PLANNING	250 WWS	WASTE WATER SEWER	250 WWS	
MANHOLE		MANHOLE	PROPERTY LINE	SURVEY BAR	MANHOLE		MANHOLE	
CATCH BASIN		CATCH BASIN	GAS	CURB STOP	CATCH BASIN		CATCH BASIN	
CURB INLET		CURB INLET	TEE		CURB INLET		CURB INLET	
BEND		BEND			BEND		BEND	
REDUCER		REDUCER			REDUCER		REDUCER	

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.

B.M. ELEV.	NO.	REVISIONS	DATE	BY
	B	ISSUED FOR RFQ	11/2017	JBC
	A	ISSUED FOR REVIEW	10/2017	

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: SDG
 CHECKED BY: MD
 DRAWN BY: JBC
 APPROVED BY:

HOR. SCALE: 1:250
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION: DATE

ENGINEER'S SEAL

PRELIMINARY
 NOT FOR CONSTRUCTION

CONSULTANT DRAWING NO.
 C-252

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

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

FROM STA 2+640 TO PEMBINA HWY

SHEET OF
 15 OF 25

COMPUTER FILE NAME
 C-252.dwg

CITY DRAWING NUMBER
 LD-8426