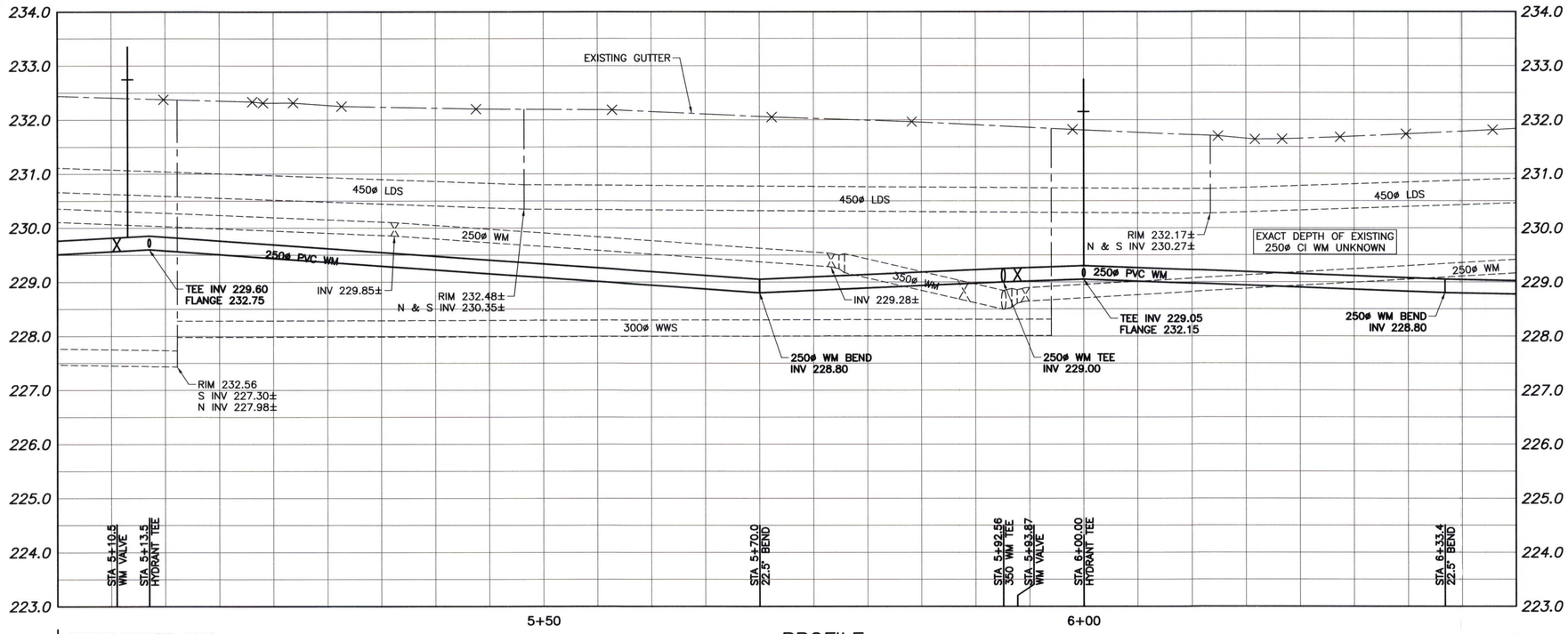
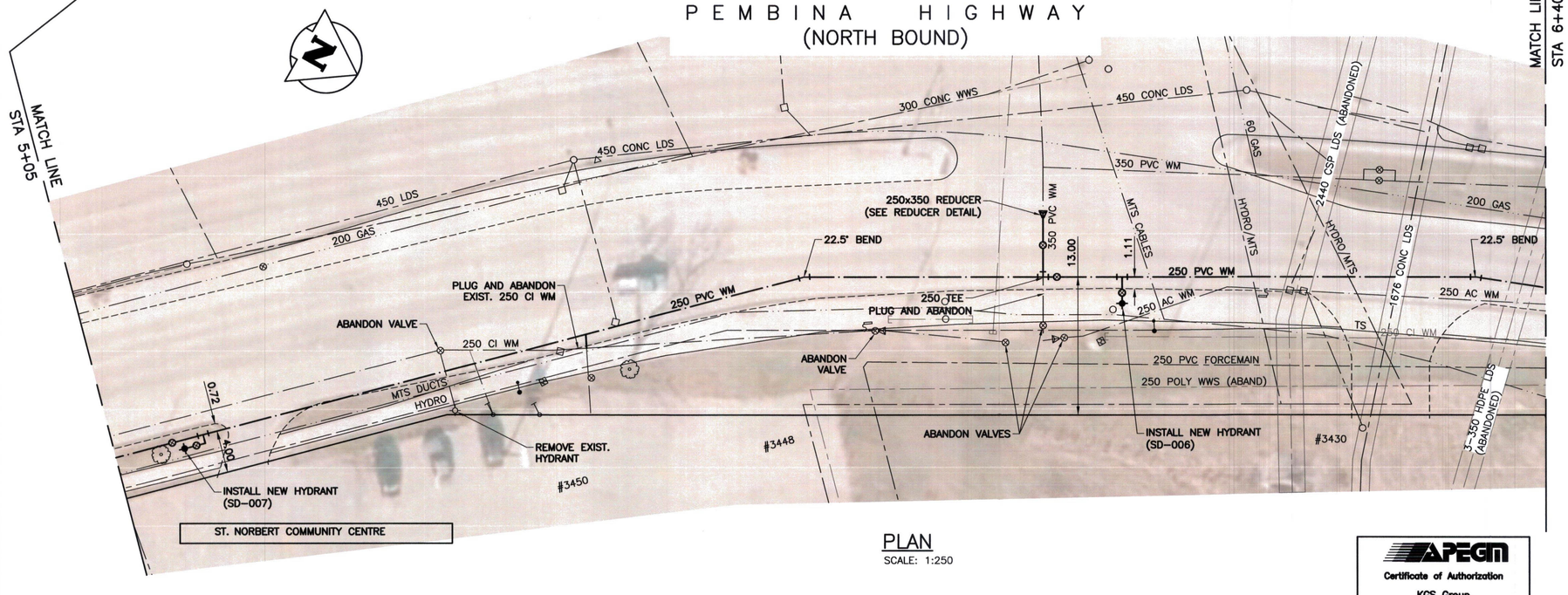


CHAINAGE MEASURED ALONG E ℄ OF PEMBINA HIGHWAY

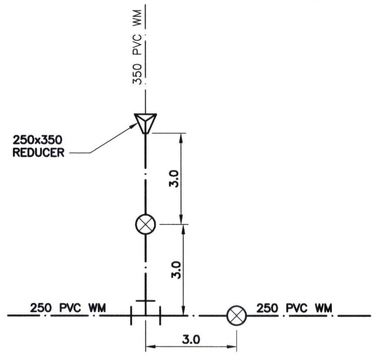
PROFILE

SCALE: 1:250H 1:50V



PLAN

SCALE: 1:250



REDUCER DETAIL

SCALE: NTS

CONSTRUCTION NOTES:

1. INSTALL WATERMAIN BY TRENCHLESS METHODS.
2. ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
3. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN IS 2.5m FROM STREET CENTERLINE.
4. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
5. REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
6. BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, (INCLUDING SIDEWALKS) IS CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS IS CLASS 5 BACKFILL.
7. WATER VALVES ARE CLOCKWISE TO CLOSE (BLACK OPERATING NUT).
8. THE CONTRACTOR TO REMOVE ALL VALVE BOXES AND CASINGS ALONG THE 150 AC WATERMAIN TO BE ABANDONED AND PATCHED RESULTANT HOLE.

WATER SERVICE INFORMATION				
ADDRESS	SIZE & MATERIAL	CURB STOP MEASUREMENTS		CORP LOCATION
		SHORT	LONG	
3430 PEMBINA HWY				
3448 PEMBINA HWY				
3450 PEMBINA HWY				

WARNING

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
3. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

PROPERTY LIMITS DELINEATION

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

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0 1.0 2.0 3.0 4.0m
SCALE: 1:50m (A1)

0 5.0 10.0 15.0 20.0m
SCALE: 1:250m (A1)

EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM		HYDRO		150 WM	WATERMAIN	150 WM
⊹	HYDRANT	✦		M.T.S.		⊥ , ⊠	HYDRANT, VALVE	⊥
⊗	VALVE	⊗		CONCRETE		300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT		250 WWS	WASTE WATER SEWER	250 WWS
250 WWS	WASTE WATER SEWER	250 WWS		SIDEWALK		×	C PROFILE	
○	MANHOLE	●		PLANING		□	NORTH/WEST GUTTER	
□	CATCH BASIN	■		PROPERTY LINE		○	SOUTH/EAST GUTTER	
▽	CURB INLET	▼	⊕	SURVEY BAR	✦	◇ , ○	N/W , S/E ℄'S	
⊢	BEND	⊢		GAS		⊡ , ⊹	N/W , S/E TOP/CURB	
⊽	REDUCER	⊽		CURB STOP				
⌋		⌋	⊢	TEE	⊢			

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. KGS BASE ELEV. — DWGS BASE ON C.S.R.S. NAD 83 SYSTEM UTM GRID.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	16/03/16	RJO

APEGM
Certificate of Authorization
KGS Group
No. 245

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY	MAT	CHECKED BY	BJM
DRAWN BY	DMW	APPROVED BY	RJO
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION:	
VERTICAL:	1:50		
DATE	16/02/19	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. OFFMAN
Member
24701
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
15-0107-021_C07

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROJECT TITLE
2016 WATERMAIN RENEWALS
CONTRACT 1
PEMBINA HIGHWAY
DE L'EGLISE AVEUE TO PTH #100 OVERPASS
STA 5+05 TO STA 6+40

SHEET 07 OF 13
COMPUTER FILE NAME 15-0107-021_CALL
CITY DRAWING NUMBER D-14251

FileName: U:\FMS\15-0107-021\15-0107-021_CALL.dwg – Tab: C07 Plotted By: gloewen 16/03/15 [Tue 12:54pm]