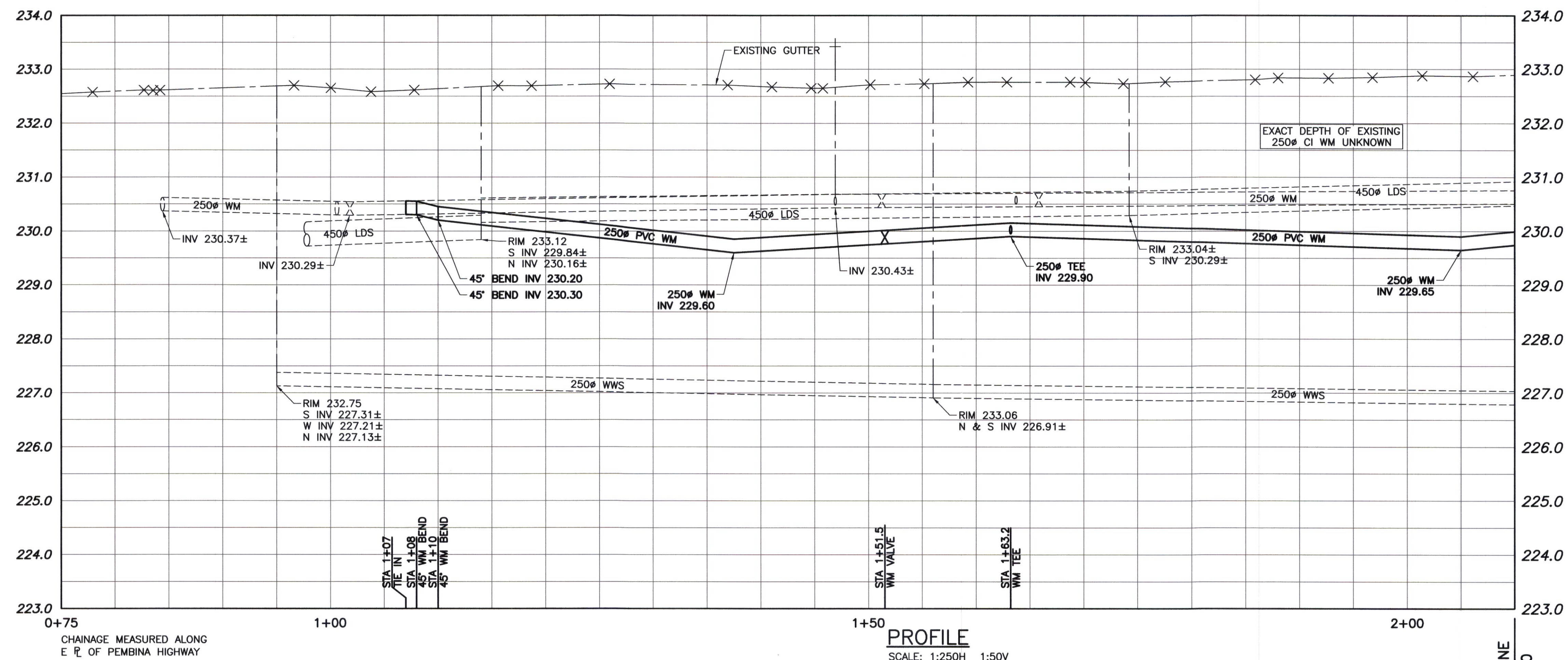
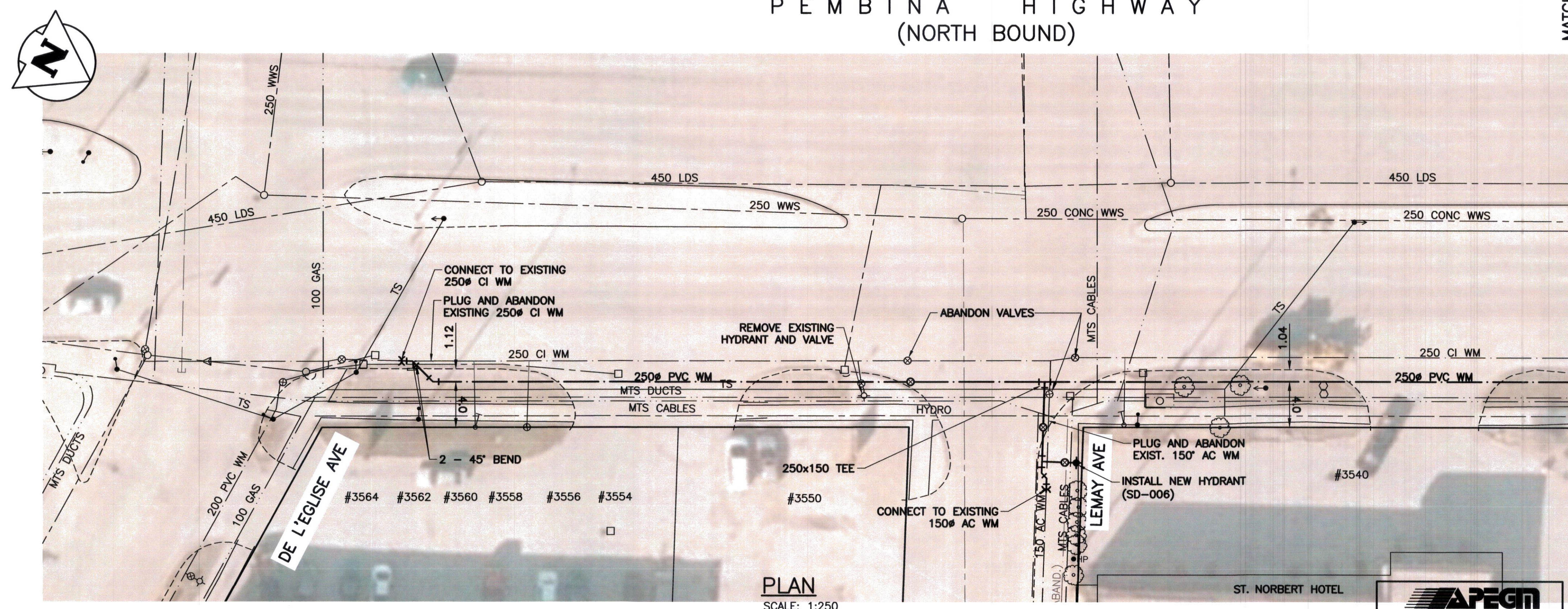




- ### CONSTRUCTION NOTES:
1. INSTALL WATERMAIN BY TRENCHLESS METHODS.
  2. ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  3. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN IS 2.5m FROM STREET CENTERLINE.
  4. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm 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 250 C WATERMAIN TO BE ABANDONED AND PATCHED RESULTANT HOLE.

| WATER SERVICE INFORMATION |                 |                        |      |               |
|---------------------------|-----------------|------------------------|------|---------------|
| ADDRESS                   | SIZE & MATERIAL | CURB STOP MEASUREMENTS |      | CORP LOCATION |
|                           |                 | SHORT                  | LONG |               |
| 3540 PEMBINA HWY          |                 |                        |      |               |
| 3550 PEMBINA HWY          |                 |                        |      |               |
| 3554 PEMBINA HWY          |                 |                        |      |               |
| 3556 PEMBINA HWY          |                 |                        |      |               |
| 3558 PEMBINA HWY          |                 |                        |      |               |
| 3560 PEMBINA HWY          |                 |                        |      |               |
| 3562 PEMBINA HWY          |                 |                        |      |               |
| 3564 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

|                                                                                     |                     |                                                                                     |                                                                                     |               |                                                                                     |                                                                                     |                     |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
|  | WATERMAIN           |  |  | HYDRO         |  |  | WATERMAIN           |  |
|  | HYDRANT             |  |  | M.T.S.        |  |  | HYDRANT, VALVE      |  |
|  | VALVE               |  |  | CONCRETE      |  |  | LAND DRAINAGE SEWER |  |
|  | LAND DRAINAGE SEWER |  |  | ASPHALT       |  |  | WASTE WATER SEWER   |  |
|  | WASTE WATER SEWER   |  |  | SIDEWALK      |  |  | C PROFILE           |  |
|  | MANHOLE             |  |  | PLANNING      |  |  | NORTH/WEST GUTTER   |  |
|  | CATCH BASIN         |  |  | PROPERTY LINE |  |  | SOUTH/EAST GUTTER   |  |
|  | CURB INLET          |  |  | SURVEY BAR    |  |  | N/W, S/E R/S        |                                                                                       |
|  | BEND                |  |  | GAS           |  |  | N/W, S/E TOP/CURB   |                                                                                       |
|  | REDUCER             |  |  | CURB STOP     |  |                                                                                     |                     |                                                                                       |
|  | TEE                 |  |  |               |  |                                                                                     |                     |                                                                                       |
| EXISTING                                                                            | LEGEND—PLAN         | PROPOSED                                                                            | EXISTING                                                                            | LEGEND—PLAN   | PROPOSED                                                                            | EXISTING                                                                            | LEGEND—PROFILE      | PROPOSED                                                                              |

LOCATION APPROVED  
UNDERGROUND STRUCTURES

|                                                                                                                                                                                                                                                                                                                                                                            |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| SUPV. U/G STRUCTURES COMMITTEE                                                                                                                                                                                                                                                                                                                                             | DATE |
| <p><b>NOTE:</b></p> <p>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.</p> |      |

|                        |                                                  |
|------------------------|--------------------------------------------------|
| B.M. KGS BASE<br>FILEV | DWGS BASE ON C.S.R.S. NAD 83<br>SYSTEM UTM GRID. |
|------------------------|--------------------------------------------------|

|     |                         |          |                                                                                       |
|-----|-------------------------|----------|---------------------------------------------------------------------------------------|
|     |                         |          |                                                                                       |
|     |                         |          |                                                                                       |
|     |                         |          |                                                                                       |
|     |                         |          |                                                                                       |
|     |                         |          |                                                                                       |
|     |                         |          |                                                                                       |
| 0   | ISSUED FOR CONSTRUCTION | 16/03/16 |  |
| NO. | DESCRIPTION             | DATE     |                                                                                       |

**KGS**  
**GROUP**  
CONSULTING  
ENGINEERS

**Certificate of Authorization**  
**KGS Group**  
**No. 245**

ENGINEER'S SEAL



CONSULTANT DRAWING NO.  
15-0107-021 C04



Winnipeg

PROJECT TITLE  
2016 WATERMAIN RENEWALS  
CONTRACT 1  
PEMBINA HIGHWAY  
DE L'EGLISE AVENUE TO PTH #100 OVERPASS  
DE L'EGLISE AVENUE TO STA 2+10

|                     |    |
|---------------------|----|
| SHEET               | OF |
| 04                  | 13 |
| COMPUTER FILE NAME  |    |
| 15-0107-021_CALL    |    |
| CITY DRAWING NUMBER |    |
| D-14248             |    |