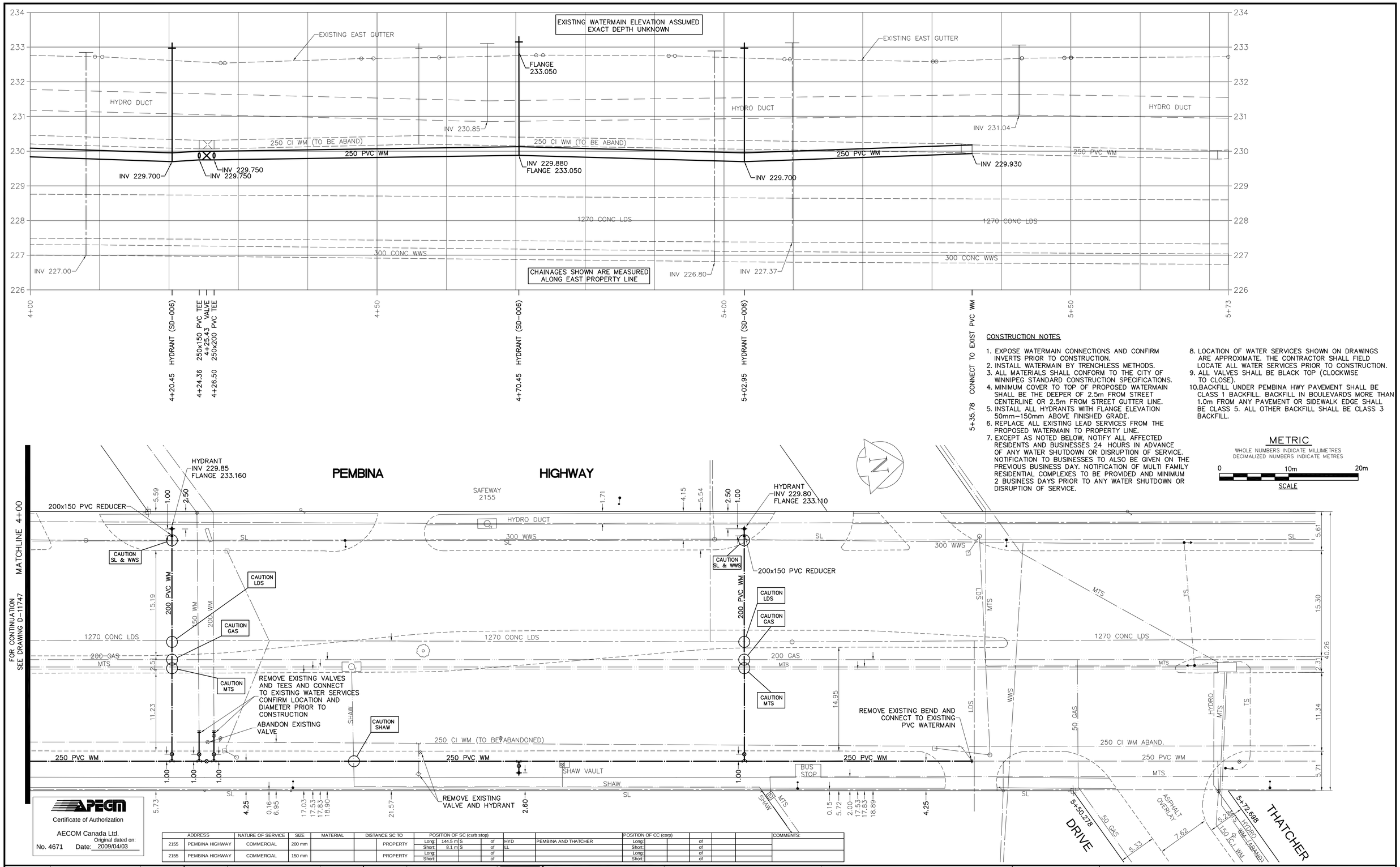


CONSTRUCTION NOTES

1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE THE DEEPER OF 2.5m FROM STREET CENTERLINE OR 2.5m FROM STREET GUTTER LINE.
5. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm–150mm ABOVE FINISHED GRADE.
6. REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
7. EXCEPT AS NOTED BELOW, NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE. NOTIFICATION TO BUSINESSES TO ALSO BE GIVEN ON THE PREVIOUS BUSINESS DAY. NOTIFICATION OF MULTI FAMILY RESIDENTIAL COMPLEXES TO BE PROVIDED AND MINIMUM 2 BUSINESS DAYS PRIOR TO ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
8. LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
9. ALL VALVES SHALL BE BLACK TOP (CLOCKWISE TO CLOSE).
10. BACKFILL UNDER PEMBINA HWY PAVEMENT SHALL BE CLASS 1 BACKFILL. BACKFILL IN BOULEVARDS MORE THAN 1.0m FROM ANY PAVEMENT OR SIDEWALK EDGE SHALL BE CLASS 5. ALL OTHER BACKFILL SHALL BE CLASS 3 BACKFILL.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
0 10m 20m
SCALE

APEGM
Certificate of Authorization
AECOM Canada Ltd.
Original dated on:
No. 4671 Date: 2009/04/03

| ADDRESS | | NATURE OF SERVICE | SIZE | MATERIAL | | DISTANCE SC TO | POSITION OF SC (curb stop) | | | | HYD | | POSITION OF CC (corp) | | | | | COMMENTS: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2155 | PEMBINA HIGHWAY | COMMERCIAL | 200 mm | | | PROPERTY | Long: | 144.5 m | S | of | HYD | PEMBINA AND THATCHER | Long: | | | of | | |
| | | | | | | | Short: | 8.1 m | S | of | LL | | Short: | | | of | | |
| 2155 | PEMBINA HIGHWAY | COMMERCIAL | 150 mm | | | PROPERTY | Long: | | | of | | | Long: | | | of | | |
| | | | | | | | Short: | | | of | | | Short: | | | of | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 150 mm W.M. | WATERMAIN | 150 mm W.M. | | HYDRO | | 150 mm W.M. | WATERMAIN | |
| | HYDRANT | | | TELEPHONE | | | HYDRANT | |
| | VALVE | | | CONCRETE | | | VALVE | |
| 300mm L.D.S. | LAND DRAINAGE SEWER | 300mm L.D.S. | | ASPHALT | | 300mm L.D.S. | LAND DRAINAGE SEWER | 300mm L.D.S. |
| 250mm W.W.S. | WASTEWATER SEWER | 250mm W.W.S. | | PROPERTY LINE | | 250mm W.W.S. | WASTE WATER SEWER | 250mm W.W.S. |
| | MANHOLE | | | SURVEY BAR | | | ℄ PROFILE | |
| | CATCH BASIN | | | CURB STOP | | | | |
| | CURB INLET | | 500ø | TREE | | | | |
| | JUNCTIONS | | | ANODE | | | | |
| | CULVERT | | | CONCRETE SIDEWALK | | | | |
| | GAS | | | FENCE | | | | |
| EXISTING | LEGEND – PLAN | PROPOSED | EXISTING | LEGEND – PLAN | PROPOSED | EXISTING | 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.

B.M. ELEV. 76–023, S.E. Cor. Pembina Hwy. & Markham Rd., Tbit in E. Conc. foundation of Mantcalm Motor Hotel, No. 2280 Pembina hwy., 1.5 m S. & 0.3 m below Conc. blocks of N.E. Cor. of Bldg. El. 232.806

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|
| 0 | ISSUED FOR TENDER | 2009/04/29 | GSK |
| A | ISSUED FOR REVIEW | 2009/04/03 | GSK |

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| | | | |
|---|---|---|---|
| DESIGNED BY | ADB | CHECKED BY | GSK |
| DRAWN BY | GDL | APPROVED BY | KWF |
| HOR. SCALE: | 1:250 | RELEASED FOR CONSTRUCTION BY: | |
| VERTICAL: | 1:50 | | K. ZUREK |
| DATE | 2009/03/20 | DATE | 09/04/29 |

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL SIGNED BY
K.W. FITCHETT
09/04/29
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
111272–C06

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2009 WATERMAIN RENEWALS
CONTRACT 7

PEMBINA HIGHWAY
MARKHAM ROAD TO THATCHER DRIVE
STA 4+00 TO STA 5+36

SHEET 6 OF 9

CITY DRAWING NUMBER
D-11748