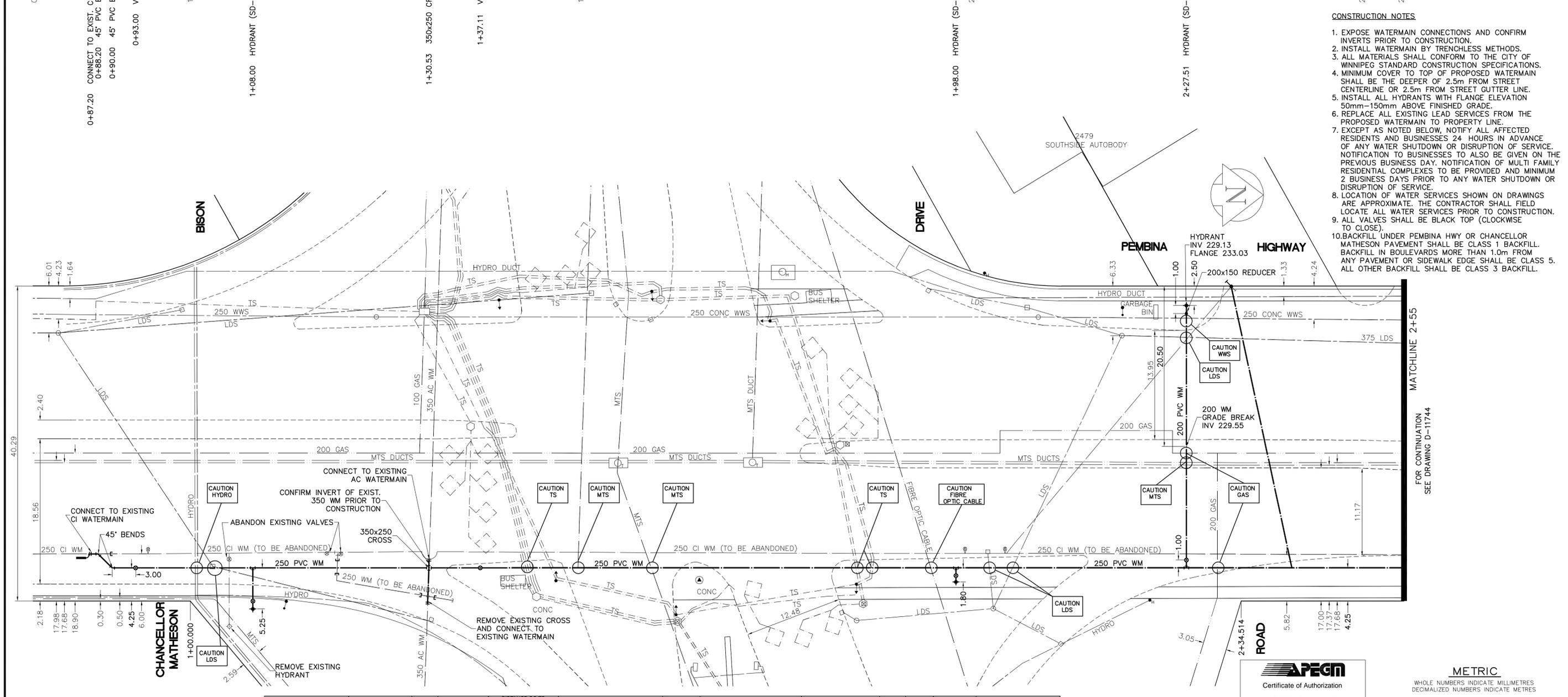
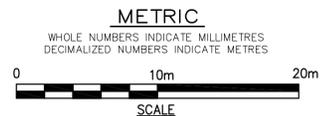


- CONSTRUCTION NOTES**
1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
  2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
  3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG'S STANDARD CONSTRUCTION SPECIFICATIONS.
  4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE THE 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 OR CHANCELLOR MATHESON 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.



ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS
2479 PEMBINA HIGHWAY	COMMERCIAL	20 mm	COPPER	21.4 m	Long: of of NL BLDG Short: 12.8 m S	Long: of of Short:	RENEW AS 25mm TO PROPERTY

**APEGM**  
Certificate of Authorization  
AECOM Canada Ltd.  
Original dated on:  
No. 4671 Date: 2009/04/29



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

**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. 76-021 S.E. Cor. Pembina Hwy. & Markham Rd. 1st In E. Conc. Foundation of Monocorn Water Hotel, No. 2280 Pembina Hwy. 1.15 m S. & 0.3 m below Conc. brooks of N.E. Cor. of Bldg. E. 232.806

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

**AECOM**

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

**ENGINEER'S SEAL**  
PROVINCE OF MANITOBA  
ORIGINAL SIGNED BY  
**K.W. FITCHETT**  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NO. 111272-C01

**THE CITY OF WINNIPEG**  
Winnipeg WATER AND WASTE DEPARTMENT

**2009 WATERMAIN RENEWALS CONTRACT 7**

PEMBINA HIGHWAY  
BISON DRIVE TO 117m S. OF DARTMOUTH DRIVE  
BISON DRIVE TO STA 2+55

SHEET 1 OF 9  
CITY DRAWING NUMBER **D-11743**