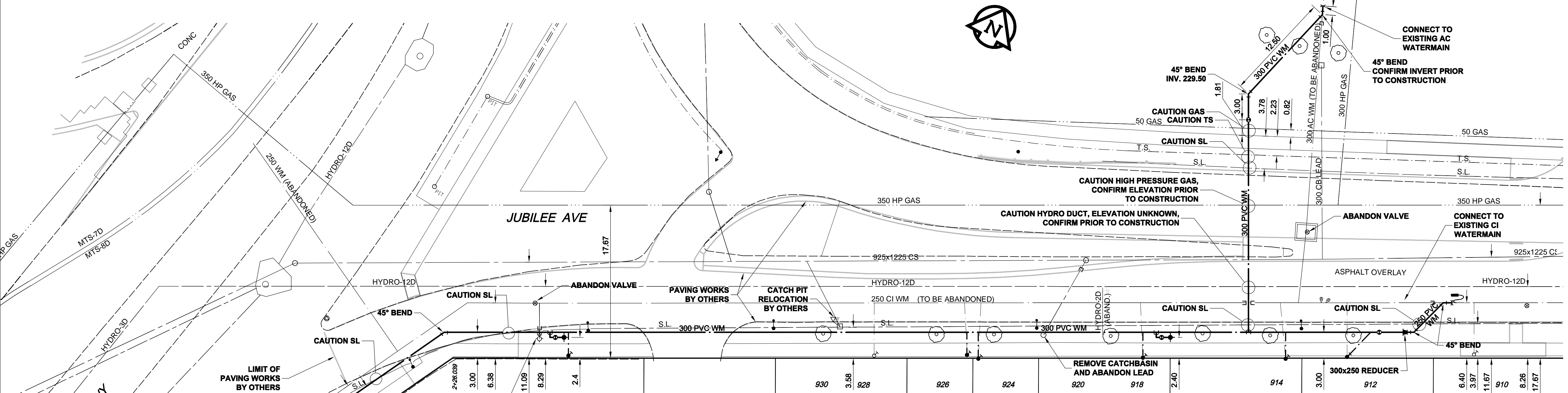


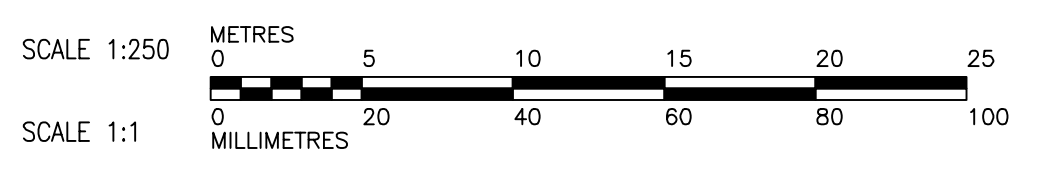
- CONSTRUCTION NOTES:**
1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION
  2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
  3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE 2.5m FROM STREET CENTERLINE.
  5. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
  6. REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
  7. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF 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. BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL EXCEPT AS NOTED BELOW. BACKFILL UNDER OR WITHIN 1.0m OF PEMBINA HWY OR JUBILEE AVENUE PAVEMENT SHALL BE CLASS 1 BACKFILL. BACKFILL IN BOULEVARDS SHALL BE CLASS 5 BACKFILL.
  10. ALL WATERMAIN PIPE, FITTINGS, AND APPURTENANCES TO HAVE NITRILE GASKETS



**AECOM**  
Certificate of Authorization  
AECOM Canada Ltd.  
No. 4671 Date: 2010/04/07

ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)		POSITION OF CC (corp)		COMMENTS:
					Long	Short	Long	Short	
960	PEMBINA HY	3/4 in (19 mm)	LEAD	(0.3 m)	Long: (13.4 m) E of EL	Short: (3.4 m) E of EL	Long: (14.2 m) E of EL	Short: (1.4 m) E of EL	RENEW AS 25mm TO PROPERTY
928	JUBILEE AV	3/4 in (19 mm)	COPPER	(0.5 m)	Long: (48.4 m) E of EL	Short: (0.0 m) E of EL	Long: (48.4 m) E of EL	Short: (0.0 m) E of EL	RENEW AS 19mm TO PROPERTY
926	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.3 m)	Long: (59.7 m) E of EL	Short: (0.0 m) E of EL	Long: (59.7 m) E of EL	Short: (0.0 m) E of EL	RENEW AS 19mm TO PROPERTY
924	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.3 m)	Long: (60.7 m) E of EL	Short: (0.0 m) E of EL	Long: (60.7 m) E of EL	Short: (0.0 m) E of EL	RENEW AS 19mm TO PROPERTY
920	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.3 m)	Long: (76.2 m) E of EL	Short: (1.2 m) W of EL	Long: (76.2 m) E of EL	Short: (0.3 m) W of EL	DOUBLE WITH 918
918	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.3 m)	Long: (76.2 m) E of EL	Short: (1.2 m) W of EL	Long: (76.2 m) E of EL	Short: (0.3 m) W of EL	RENEW AS 19mm TO PROPERTY
914	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.3 m)	Long: (84.2 m) E of EL	Short: (1.3 m) W of EL	Long: (84.2 m) E of EL	Short: (0.3 m) W of EL	RENEW AS 19mm TO PROPERTY
912	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.2 m)	Long: (103.6 m) E of EL	Short: (1.3 m) W of EL	Long: (103.6 m) E of EL	Short: (0.6 m) W of EL	RENEW AS 19mm TO PROPERTY
910	JUBILEE AV	3/4 in (19 mm)	COPPER	(0.5 m)	Long: (117.3 m) E of EL	Short: (1.8 m) W of EL	Long: (117.3 m) E of EL	Short: (1.8 m) W of EL	
908	JUBILEE AV	1/2 in (13 mm)	LEAD	(0.5 m)	Long: (130.1 m) E of EL	Short: (1.3 m) W of EL	Long: (130.1 m) E of EL	Short: (1.3 m) W of EL	

**WARNING**  
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT, THE CONTRACTOR MUST NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS



BID OPPORTUNITY NO. 212-2010

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM	150 WM	WATERMAIN	150 WM	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	250 WWS	250 WWS	WASTE WATER SEWER	250 WWS	MANHOLE		
	CATCH BASIN			CURB INLET				
	CULVERT			PIPE ABANDONMENTS				
	SURVEY BAR			EXISTING				
	LEGEND - PLAN			NEW				

**LOCATION APPROVED UNDERGROUND STRUCTURES**  
SUPR. U/G STRUCTURES DATE COMMITTEE

**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.

53-003	BOLT IN 4.8m CONC. PILE, 0.6m N OF JUBILEE AVE. AND 2.8m E OF WL OF LILAC ST.	
ISSUED FOR TENDER	10/04/07	JP
ISSUED FOR REVIEW	10/04/01	JP
REVISIONS	YYMMDD	BY

**AECOM**

DESIGNED BY GSK  
CHECKED BY GSK  
DRAWN BY JP  
APPROVED BY KWF

HOR. SCALE 1:250  
VERT. SCALE 1:50

RELEASED FOR CONSTRUCTION K. ZUREK  
DATE 10/04/07

PROFESSIONAL'S SEAL  
PROVINCE OF MANITOBA  
REGISTERED PROFESSIONAL ENGINEER  
**FITCHETT**  
2010/04/07

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

**2010 WATERMAIN RENEWALS CONTRACT 9**

JUBILEE AVENUE  
PEMBINA HWY TO 110m EAST OF PEMBINA HWY

SHEET 8 OF 8  
CITY DRAWING NUMBER  
**D-12012**