

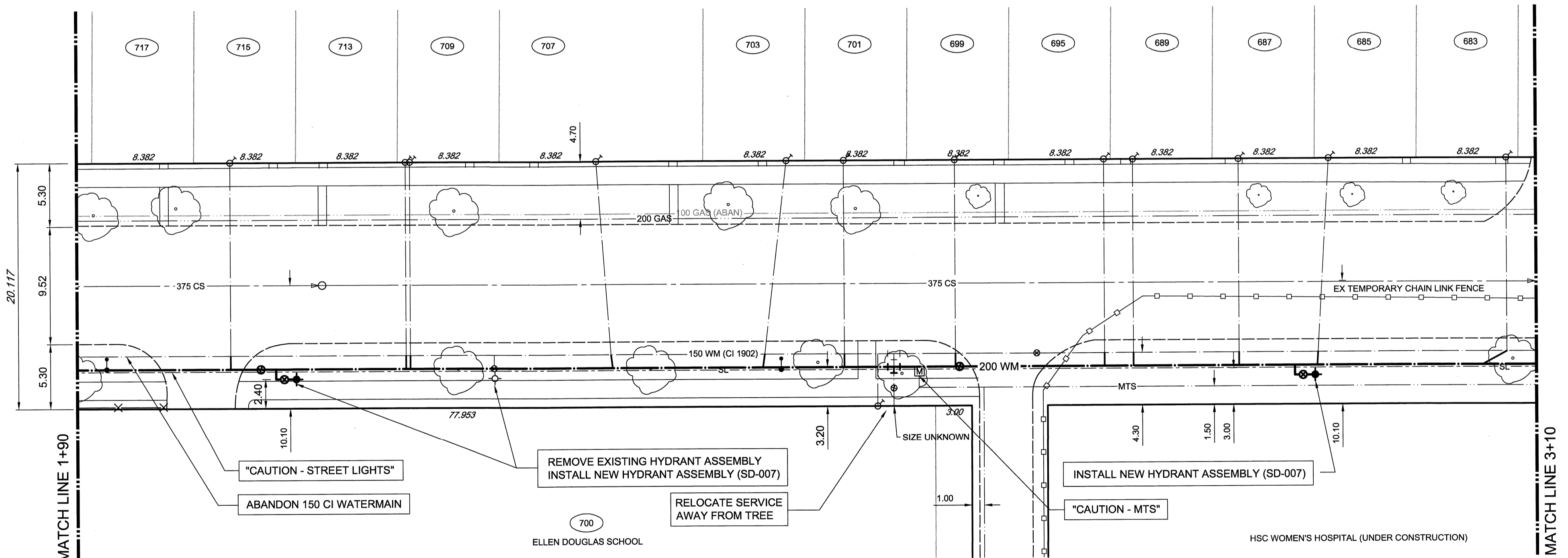
- CONSTRUCTION NOTES:**
1. WATERMAIN TO HAVE 2.5m COVER FROM CENTRELINE OF ROAD.
  2. ALL CURB REPLACEMENT TO MATCH EXISTING CURB.
  3. ALL EXISTING WATERMANS AT CONNECTION LOCATIONS ARE TO HAVE INVERTS VERIFIED PRIOR TO CONSTRUCTION.
  4. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION FROM 50mm TO 150mm ABOVE FINISHED GRADE.
  5. SALVAGE ALL EXISTING HYDRANT ASSEMBLIES AND VALVES WHEN DIRECTED BY THE CONTRACT ADMINISTRATOR AND RETURN TO THE CITY YARD. ABANDON THE REMAINING VALVES (AND/OR VALVE BOXES) AND HYDRANT ASSEMBLIES.
  6. INSTALL WATERMAIN BY TRENCHLESS METHODS UNDER ALL PAVEMENTS, TREES, LIGHT STANDARDS, AND OTHER APPURTENANCES.
  7. LOCATION OF ALL SERVICES TO BE CONFIRMED IN FIELD.
  8. RENEW ALL LEAD WATER CONNECTIONS UP TO THE PROPERTY LINE WITH 19mm COPPER WATER CONNECTIONS UNLESS RENEWAL SIZE IS OTHERWISE NOTED.
  9. ALL VALVES SHALL TURN COUNTER CLOCKWISE TO CLOSE WITH RED OPERATING NUT.
  10. ALL BACKFILL UNDER AND WITHIN 1.0m OF PAVEMENT OR SIDEWALK SHALL BE CLASS 3.
  11. ALL BACKFILL UNDER BOULEVARD SHALL BE CLASS 5.
  12. ABANDON SERVICES NO LONGER IN USE WHERE DIRECTED BY CONTRACT ADMINISTRATOR.
  13. CONTRACTOR TO NOTIFY BUSINESSES AND RESIDENTS A MINIMUM OF 24 HOURS PRIOR TO ANY DISRUPTION TO WATER SERVICE.

- GENERAL NOTES:**
1. STATION 4+00 = WEST LIMIT OF SHERBROOK STREET.
  2. CHAINAGE IS ALONG SOUTH LIMIT OF ELGIN AVENUE RIGHT-OF-WAY.

NOTE:  
OFF-LINE RENEWAL.  
ABANDON EXISTING PIPE

NOTE:  
RECONNECT ALL EXISTING COPPER SERVICES  
TO NEW WATERMAIN.  
INSTALL ANODE AT EVERY COPPER WATER SERVICE  
CONNECTION TO NEW PVC WATERMAIN.

WATER CONNECTION DATA					
ADDRESS	SIZE & TYPE	DISTANCE TO FL	STOP COCK LOCATION SHORT / LONG	CORPORATION COCK LOCATION	COMMENTS
717 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.5 EWL BLDG 715 201.4 WWL SHERBROOK	OPP S/C	RENEW SERVICE
715 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.5 EWL BLDG 715 201.4 WWL SHERBROOK	OPP S/C	DBL WITH 717
713 ELGIN AVE (RESIDENTIAL)	19 COPPER	-	1.8 EEL BLDG	OPP S/C	-
709 ELGIN AVE (RESIDENTIAL)	19 COPPER	-	1.2 WWL BLDG	OPP S/C	-
707 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.2 EEL BLDG 707 156.1 WWL SHERBROOK	1.5 E OF S/C	DBL WITH 705
705 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.2 EEL BLDG 707 156.1 WWL SHERBROOK	1.5 E OF S/C	RENEW SERVICE
703 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	0.9 EEL BLDG 141.1 WWL SHERBROOK	1.8 W OF S/C	-
701 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	OPP EL OF DOOR 135.6 WWL SHERBROOK	OPP S/C	-
700 ELGIN AVE (SCHOOL)	19 COPPER	-	0.8 WEL BLDG 4.7 WE FL	OPP S/C	-
699 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.45	2.6 WWL BLDG 126.5 WWL SHERBROOK	OPP S/C	-
695 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.2 EEL BLDG 114.9 WWL SHERBROOK	OPP S/C	-
689 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.8 EWL BLDG 104.2 WWL SHERBROOK	OPP S/C	-
687 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.45	2.1 EWL BLDG 61.3 E OF 1ST HYD W OF SHERBROOK	OPP S/C	-
685 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	0.6 EWL BLDG 95.7 WWL SHERBROOK	0.9 W OF S/C	-
683 ELGIN AVE (RESIDENTIAL)	19 COPPER	0.3	1.0 EEL BLDG 81.1 WWL SHERBROOK	OPP S/C	-



**ELGIN AVENUE**

**WARNING**  
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:  
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.  
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION #692 FOR DETAILS.

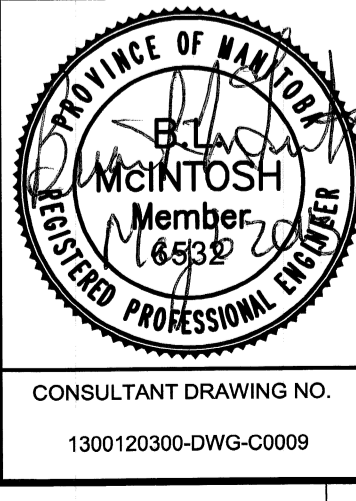
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	BEND		ANCHOR			
400 FM	FEEDERMAIN	400 FM	TEE		TREE			
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP		LEGAL DIMENSION			
250 WWS	WASTEWATER SEWER	250 WWS	PLUG		SURVEY BAR			
300 CS	COMBINED SEWER	300 CS	MANHOLE		TRAFFIC SIGNAL			
200 FCM	FORCEMAIN	200 FCM	CATCHBASIN		GAS			
	JUNCTIONS		CURB INLET		HYDRO			
	HYDRANT		ADDRESS		MTS			
	VALVE		HYDRO POLE		SIDEWALK			
	REDUCER		LIGHT STANDARD		CURB			

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.

NO.	REVISIONS	DATE	BY
01	ISSUED FOR TENDER	13.05.07	
00	ISSUED FOR APPROVAL	13.05.06	BLM

**TETRA TECH**

DESIGNED BY: GWC, SR  
DRAWN BY: GMD, NL  
CHECKED BY:  
APPROVED BY:  
HORIZ. SCALE: 1 : 250  
VERTICAL: 1 : 50  
RELEASSED FOR CONSTRUCTION  
DATE: 2013.04.15



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

2013 WATERMAIN RENEWALS - CONTRACT 8  
ELGIN AVENUE  
210 WEST OF SHERBROOK STREET TO  
90m WEST OF SHERBROOK STREET

CITY DRAWING NUMBER: D-13230  
SHEET: 9 OF 10  
C0009

BID OPPORTUNITY No. 371-2013

**APCGM**  
Certificate of Authorization  
**TETRA TECH WEI Inc.**  
No. 5313 Date: April 30, 2014