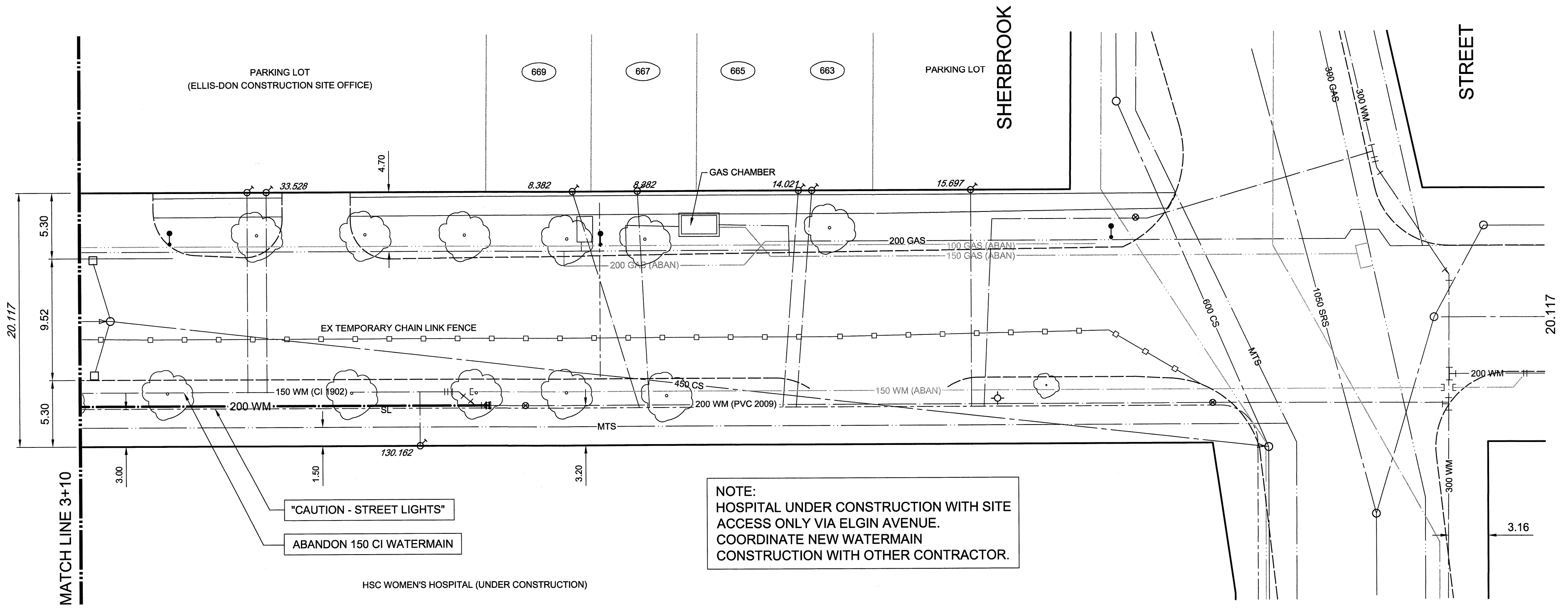
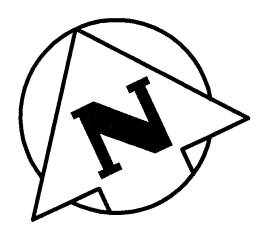


- CONSTRUCTION NOTES:**
1. WATERMAIN TO HAVE 2.5m COVER FROM CENTRELINE OF ROAD.
  2. ALL CURB REPLACEMENT TO MATCH EXISTING CURB.
  3. ALL EXISTING WATERMAINS AT CONNECTION LOCATIONS ARE TO HAVE INVERTS VERIFIED PRIOR TO CONSTRUCTION.
  4. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION FROM 50mm TO 150mm 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:  
RECONNECT ALL EXISTING COPPER SERVICES TO NEW WATERMAIN.  
INSTALL ANODE AT EVERY COPPER WATER SERVICE CONNECTION TO NEW PVC WATERMAIN.

NOTE:  
OFF-LINE RENEWAL.  
ABANDON EXISTING PIPE



NOTE:  
HOSPITAL UNDER CONSTRUCTION WITH SITE ACCESS ONLY VIA ELGIN AVENUE.  
COORDINATE NEW WATERMAIN CONSTRUCTION WITH OTHER CONTRACTOR.

**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 140/92 FOR DETAILS.

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

BID OPPORTUNITY No. 371-2013

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

LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV.
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.	
01 ISSUED FOR TENDER	13.05.06 BLM
00 ISSUED FOR APPROVAL	DATE BY
NO REVISIONS	DATE BY

**TETRA TECH**

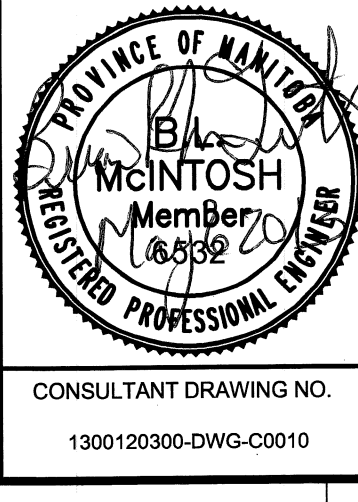
DESIGNED BY: GWC, SR  
DRAWN BY: GMD, NL

CHECKED BY:  
APPROVED BY:

HOR. SCALE: 1 : 250  
VERTICAL: 1 : 50

RELEASSED FOR CONSTRUCTION

CONSULTANT DRAWING NO. 1300120300-DWG-C0010



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

2013 WATERMAIN RENEWALS - CONTRACT 8

ELGIN AVENUE  
90m WEST OF SHERBROOK STREET TO  
SHERBROOK STREET

CITY DRAWING NUMBER D-13231  
SHEET 10 OF 10  
C0010