



WATER SERVICE INFORMATION

ADDRESS	SIZE(mm) & TYPE	SIZE(mm) & TYPE	SHORT & LONG MEASUREMENT	CORP LOCATION	ADDRESS	SIZE(mm) & TYPE	SIZE(mm) & TYPE	SHORT & LONG MEASUREMENT	CORP LOCATION
70 ROBSON ST	19 COPPER	19 COPPER	3.4 S OF N HL		832 KERNAGHAN AVE	19 COPPER	19 COPPER	1.7 W OF E HL	
849 KERNAGHAN AVE	19 COPPER	19 COPPER	2.7 S OF N HL		831 KERNAGHAN AVE	19 COPPER	19 COPPER	5.8 E OF W HL	
845 KERNAGHAN AVE	19 COPPER	19 COPPER	5.8 W OF E HL		828 KERNAGHAN AVE	19 COPPER	19 COPPER	0.9 E OF E HL	
840 KERNAGHAN AVE	19 COPPER	19 COPPER	1.5 W OF E HL		827 KERNAGHAN AVE	19 COPPER	19 COPPER	6.1 W OF E HL	
837 KERNAGHAN AVE	19 COPPER	19 COPPER	7.6 W OF E HL		824 KERNAGHAN AVE	19 COPPER	19 COPPER	2.6 W OF E HL	
836 KERNAGHAN AVE	19 COPPER	19 COPPER	1.4 W OF E HL		823 KERNAGHAN AVE	19 COPPER	19 COPPER	3.4 E OF W HL	

- NOTES:**
- ALL GATE VALVES ARE TO BE COUNTER-CLOCKWISE TO OPEN WITH A BLACK OPERATING NUT.
  - WATERMAIN TO BE INSTALLED BY TRENCHLESS METHODS.
  - BACKFILL IS CLASS 5 WITHIN BOULEVARD AND CLASS 3 WHEN WITHIN PAVEMENT/SIDEWALK OR WHEN WITHIN 1.0m OF PAVEMENT OR SIDEWALK.
  - WATER SERVICES ARE 19mm UNLESS OTHERWISE NOTED.
  - MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4m.
  - LOCATION OF ALL SERVICES TO BE CONFIRMED IN FIELD.
  - EXPOSE EXISTING WATERMAIN TO CONFIRM DEPTH PRIOR TO CONSTRUCTION.
  - ALL LEAD SERVICES TO BE RENEWED.
  - SERVICES TO BE RENEWED SHALL BE REPLACED FROM WATERMAIN TO PROPERTY LINE. ALL OTHERS TO BE RECONNECTED.

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
SEG Engineering Inc.  
No. 1432 Expiry: April 30, 2006

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
---	WATERMAIN	---	---	HYDRO	---	---	CENTER LINE	---
⊕	HYDRANT VALVE	⊕	---	M.T.S.	---	---	NORTH GUTTER LINE	---
---	LAND DRAINAGE SEWER	---	---	CONCRETE ASPHALT	---	---	SOUTH GUTTER LINE	---
---	WASTE WATER SEWER	---	---	PROPERTY LINE	---	---	WATERMAIN	---
○	MANHOLE	○	---	SURVEY BAR	---	---	VALVE	---
□	CATCH BASIN	□	---	CURB STOP	---	---	LAND DRAINAGE SEWER	---
△	CURB INLET	△	---	C.B. LEAD	---	---	WASTE WATER SEWER	---
---	TRAFFIC SIGNAL	---	---	SIDEWALK	---	---	JUNCTIONS	---
---	STEAM HT.	---	---	SIDEWALK RAMP	---	---	CULVERT	---
---	GAS	---	---	ELEVATIONS	---	---	ANODE	---
---		---	---		---	---	PLUG	---

LOCATION APPROVED

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 EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV. CWM: 30-003 234.065 m

**SEG ENGINEERING INC.**  
200 TACHE AVENUE  
WINNIPEG, MANITOBA  
(204)-233-2113

DESIGNED BY: DJ	CHECKED BY: SM
DRAWN BY: RH	APPROVED BY: IMck
HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION: K. ZUREK P. ENG
VERT. SCALE: 1:50	ORIGINALLY SIGNED BY: K. ZUREK P. ENG
NO. REVISIONS	DATE
	MAY 2005

DATE: JUNE 28, 2004

ENGINEERS SEAL  
I. G. MCKINNON  
CONSULTANT DRAWING NO. 069-019-12

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

2005 CAPITAL WORKS  
WATERMAIN RENEWALS  
KERNAGHAN AVENUE  
ROBSON STREET TO 110m EAST OF ROBSON STREET

CITY DRAWING NO. SHEET 1 OF 2  
D-8817