

ON-LINE WATERMAIN RENEWAL

( 989 )

(987)

22.76

**INSTALL 150 VALVE** 

13 LEAD

TO BE RENEWED

986

(985)

7.62

RENEW 150 SERVICE

TO PROPERTY LINE

16 LEAD

TO BE RENEWED

10.058

REMOVE EXISTING HYDRANT ASSEMBLY

16 LEAD

TO BE RENEWED

984

INSTALL NEW HYDRANT ASSEMBLY (SD-006)

16 LEAD

TO BE RENEWED

REMOVE EXISTING PIPE

(993)

11.278

10.058

13 LEAD

TO BE RENEWED

994



\* SERVICE TO BE RENEWED. ALL OTHERS TO BE RECONNECTED

#### NOTE:

DORCHESTER AVENUE IS PART OF 2010 PAVEMENT RENEWAL PROJECT. FINAL SURFACE RESTORATION OF PAVEMENTS, BOULEVARDS, AND SIDEWALKS EXCAVATED FOR WATERMAIN AND SEWER RENEWAL CONSTRUCTION IN THIS PORTION OF DORCHESTER AVENUE WILL BE CARRIED OUT BY THE PAVEMENT RENEWAL CONTRACTOR.

### **CONSTRUCTION NOTES**

- WATERMAIN TO HAVE 2.5m COVER FROM CENTRELINE OF ROAD.
- 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.
- 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.
- RENEW ALL LEAD WATER CONNECTIONS UP TO THE PROPERTY LINE WITH 20mm COPPER WATER CONNECTIONS UNLESS RENEWAL SIZE IS OTHERWISE
- 8. ALL VALVES SHALL TURN COUNTER CLOCKWISE TO CLOSE WITH RED OPERATING NUT.
- 9. ALL BACKFILL UNDER PAVEMENT SHALL BE CLASS 3.
- 10. ALL BACKFILL UNDER BOULEVARD SHALL BE CLASS 5.
- 11. ABANDON SERVICES NO LONGER IN USE WHERE DIRECTED BY CONTRACT
- 12. CONTRACTOR TO NOTIFY BUSINESSES AND RESIDENTS A MINIMUM OF 24
- HOURS PRIOR TO ANY DISRUPTION TO WATER SERVICE.

13. ALL SEWER SERVICES TO BE TRACED AND LOCATIONS CONFIRMED PRIOR TO BEING REPLACED.

### NOTE:

ADMINISTRATOR.

CHAINAGE IS ALONG SOUTH LIMIT OF DORCHESTER AVENUE RIGHT-OF-WAY.

# **AVENUE**

20 LEAD

TO BE RENEWED

(990)

**RENEW 150 SERVICE** 

TO PROPERTY LINE

\_\_\_\_\_\_

7.62

NOTES: CONTRACTOR TO CONTACT THE GEOMATICS BRANCH 3 WORKING DAYS IN ADVANCE OF THE CONSTRUCTION TO PROVIDE THE SURVEY MONUMENT PROTECTION SERVICES REQUIRED. PHONE: 918-1360

16 LEAD

TO BE

RENEWED

980

## Certificate of Authorization Wardrop Engineering Inc. No. 195 Expiry: April 30, 2011

<u>150_WM</u>	WATERMAIN		프	TEE	中	$\odot$	TREE	LOCATION APPROVED
400 FM	FEEDERMAIN		ď	CURB STOP	•	15.240	LEGAL DIMENSION	UNDERGROUND STRUCTURES
300_LDS	LAND DRAINAGE SEWER			PLUG		+	SURVEY BAR	
250_WWS	WASTEWATER SEWER		0	MANHOLE	•	—·-·• • ·-·—	TRAFFIC SIGNAL	
300_CS	COMBINED SEWER			CATCHBASIN			GAS	SUPV. U/G STRUCTURES DATE COMMITTEE
200_FCM	FORCEMAIN		$\nabla$	CURB INLET	▼		HYDRO	
	REDUCER			ZINC ANODE	a		ASPHALT	NOTE: LOCATION OF UNDERGROUND STRUCTURES
<b></b>	HYDRANT	<b>+</b>	•	HYDRO POLE			CURB	AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE
8	VALVE	8	•••	LIGHT STANDARD		66	ADDRESS	SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND
4	BEND	4	←	ANCHOR		-	SIGN	EXACT LOCATION OF ALL SERVICES MUST BE

LEGEND-PLAN

6.25

(1019)

ST

— / ——150 CI WM−

J D 1020

**EXISTING** 

LEGEND-PLAN

PROPOSED

**EXISTING** 

7.60

EXISTING

CONCRETE

CONNECT TO EXISTING

INSTALL 10.9 Kg ZINC

150 CI WM.

ANODE

6.25

(999)

11.887

ABANDON EXISTING VALVE.

INSTALL NEW VALVE

13 LEAD

TO BE RENEWED

(1008)

PROPOSED

**EXISTING** 

RENEW 150 SERVICE

TO PROPERTY LINE

22.30

997

11.278

3.50

EXTERNAL POINT

\_\_\_\_\_\_

REPAIR 450 CS

10.363

1002

DORCHESTER

LEGEND-PLAN

995

10.058

998

REMOVE EXISTING

150 CI WM

NDERGROUND STRUCTURES PV. U/G STRUCTURES DATE MMITTEE CATION OF UNDERGROUND STRUCTURES SHOWN ARE BASED ON THE BEST ORMATION AVAILABLE. BUT NO GUARANTEE GIVEN THAT ALL EXISTING UTILITIES ARE OWN OR THAT THE GIVEN LOCATIONS ARE CT. CONFIRMATION OF EXISTENCE AND CT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. PROPOSED

B.I EL	M. EV.						
				WARDROP	PEOPLE, PASSION, PERFORMANCE. TRUSTED GLOBALLY		
				A TETRA TECH COMPANY			
				DESIGNED GWC	CHECKED BLM	ORIGINAL DRAWING REVISION "00" SEALED BY B.L. McINTOSH, P. ENG.	
				DRAWN BY NL	APPROVED GS BY	2010.05.13	
02	ISSUED FOR ADDENDUM No.1	10.05.27	GS	1.250	RELEASED FOR	1	
01	ISSUED FOR TENDER	10.05.14	GS	HOR. SCALE: 1:250	CONSTRUCTION	CONSULTANT DRAWING NO.	
00	ISSUED FOR APPROVAL	10.05.13	BLM	VERTICAL: 1:50		4000400400 FIMO 00004 00	
NO.	REVISIONS	DATE	BY	DATE 10.03.23	DATE	1000120100-DWG-C0004-02	



GEOMATICS JOB NUMBER - 20100290

## THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2010 - WATERMAIN RENEWALS AND SEWER REHABILITATION CONTRACT 11

DORCHESTER AVENUE
GUELPH STREET TO 100m EAST OF
GUELPH STREET

TITY DRAWING NUMBER D-12027						
HEET	4	<sup>OF</sup> 10				
C0004						