

			WATER CONNECTIO	NDATA	
ADDRESS	SIZE & TYPE	DISTANCE	STOP COCK LOCATION	CORPORATION	COMMENTS
		TO PL	SHORT / LONG	COCK LOCATION	
143 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	1.5 S OF S SIDE 10.4 S OF HYDRANT	-	
145 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	8.5 S OF N SIDE 5.8 N OF HYDRANT	-	
147 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	6.7 E OF W SIDE 21.9 N OF HYDRANT	-	
149 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	2.6 N OF S SIDE 34.4 N OF HYDRANT	32.9 N HYDRANT ON W LEG	FOR INFORMATION ONLY
151 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	7.9 W OF E SIDE 58.8 N OF HYDRANT	34.1 N HYDRANT ON W LEG	FOR INFORMATION ONLY
154 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	5.8 W OF E SIDE 32.3 N OF HYDRANT	46.0 W 2nd HYDRANT W OF MOUNT ROYAL	FOR INFORMATION ONLY
155 GARRIOCH AVE (RESIDENTIAL)	19 COPPER	-	3.0 E OF W SIDE 50.6 N OF HYDRANT	35.4 N HYDRANT ON W/LEG	FOR INFORMATION ONLY

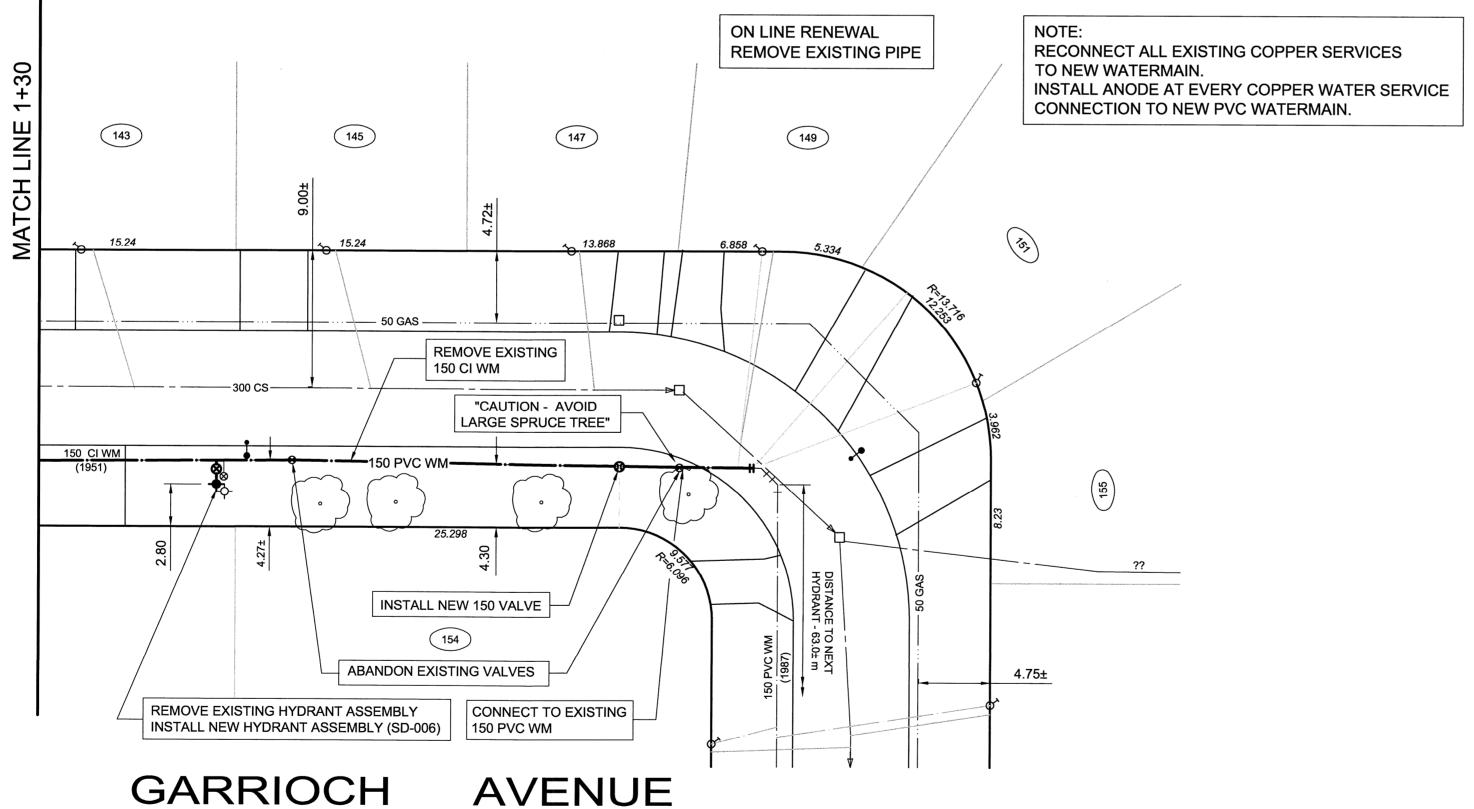


EXISTING

LEGEND-PLAN

PROPOSED

EXISTING



LEGEND-PLAN PROPOSED

CHAINAGE IS ALONG CENTRELINE OF GARRIOCH AVENUE RIGHT-OF-WAY.

GARRIOCH AVENUE IS PART OF 2011 PAVEMENT RENEWAL PROJECT. FINAL SURFACE RESTORATION OF PAVEMENTS, BOULEVARDS, AND DRIVEWAYS EXCAVATED FOR WATERMAIN CONSTRUCTION IN THIS PORTION OF GARRIOCH AVENUE WILL BE CARRIED OUT BY THE PAVEMENT RENEWAL CONTRACTOR.

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 1+00 = SOUTHEAST CORNER OF GARRIOCH AVENUE SOUTH AND

APEGIN Certificate of Authorization Wardrop Engineering Inc.

No. 195 Expiry: April 30, 2011

<u>150 WM</u>	WATERMAIN	150 WM	凸	TEE	再	0	TREE	
400 FM	FEEDERMAIN	400 FM	σ̈́	CURB STOP	•	15.240	LEGAL DIMENSION	1
300 LDS	LAND DRAINAGE SEWER	300 LDS		PLUG]	#	SURVEY BAR	1 '
250 WWS	WASTEWATER SEWER	250 WWS	0	MANHOLE	•		TRAFFIC SIGNAL	1 _
300 CS	COMBINED SEWER	300 CS		CATCHBASIN			GAS	S
FCM	FORCEMAIN	200 FCM	∇	CURB INLET	▼		HYDRO	1 .
	REDUCER			ZINC ANODE	— g		ASPHALT	
~	HYDRANT	+	•	HYDRO POLE			CURB	A IN
8	VALVE	8	•••	LIGHT STANDARD		66	ADDRESS	S
4	BEND	ኦ	←	ANCHOR		-0-	SIGN	E

LEGEND-PLAN

PROPOSED

EXISTING

LOCATION APPROVED		M. EV.				
UNDERGROUND STRUCTURES					WARDROP	PEOPLE, PASSION, PERFORMANCE. TRUSTED GLOBALLY
SUPV. U/G STRUCTURES DATE					ATETRATECH COMPANY	
COMMITTEE					DESIGNED GWC	CHECKED KJM
NOTE: OCATION OF UNDERGROUND STRUCTURES					DRAWN CMD/NII	APPROVED
AS SHOWN ARE BASED ON THE BEST NFORMATION AVAILABLE. BUT NO GUARANTEE					BY GMD/NL	BY GS
S GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND	04	ISSUED FOR TENDER	11.04.05	Kon	HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION
EXACT LOCATION OF ALL SERVICES MUST BE DBTAINED FROM THE INDIVIDUAL UTILITIES	00	ISSUED FOR APPROVAL	11.04.03	KSM	VERTICAL: 1:50	1 XXXX 1
BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 11.02.10	DATE / Paul 4/11

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	.M. LEV.					W 30 30
				WARDROP ATETRATECH COMPANY	PEOPLE, PASSION, PERFORMANCE. TRUSTED GLOBALLY	K.J.
				DESIGNED GWC	CHECKED KJM	McRAE
				DRAWN BY GMD/NL	APPROVED GS	PROFFESIONAL PROFF
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00	ISSUED FOR APPROVAL	11.04.03	KSM	VERTICAL: 1:50	1 XXXIII	CONSULTANT DRAWING NO.
NO.	REVISIONS	DATE	BY	DATE 11.02.10	DATE // ////	1100120300-DWG-C0007-00

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McRAE 2011/04/07	2011 - WATERMAIN RENE CONTRACT 3	WALS
PROFESSIONAL	GARRIOCH AVENU	JE (WEST LEG)

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THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

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