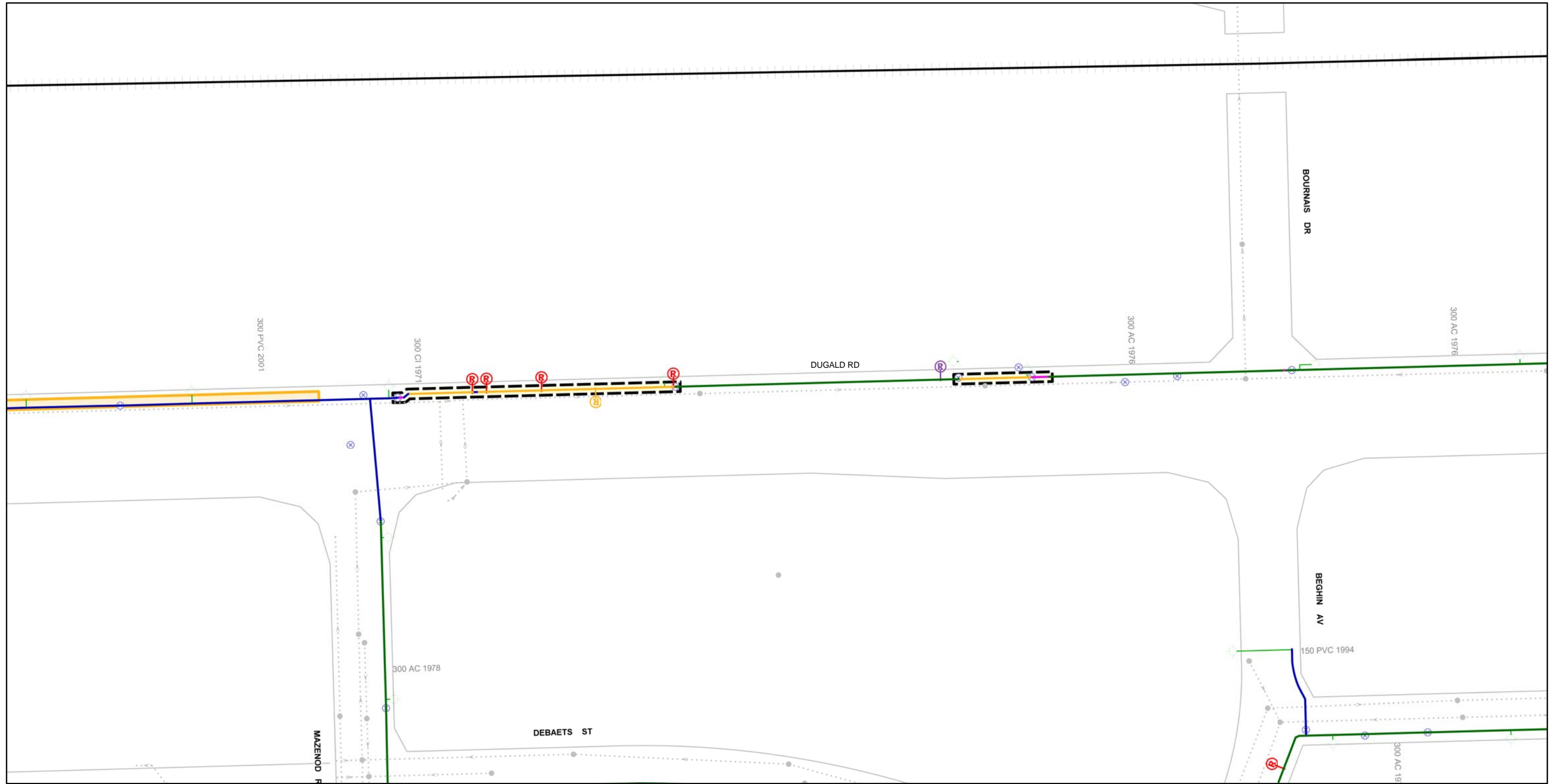


APPENDIX B – WATERMAIN RENEWAL LOCATIONS SKETCHES

Sketches for Dugald Rd, Elizabeth Rd, Government Ave., Kildare Ave., Lagimodiere Blvd., Sydney Ave., Winterton Ave., and Roch St.



CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

300 ok.

Printed: 10/19/2012



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

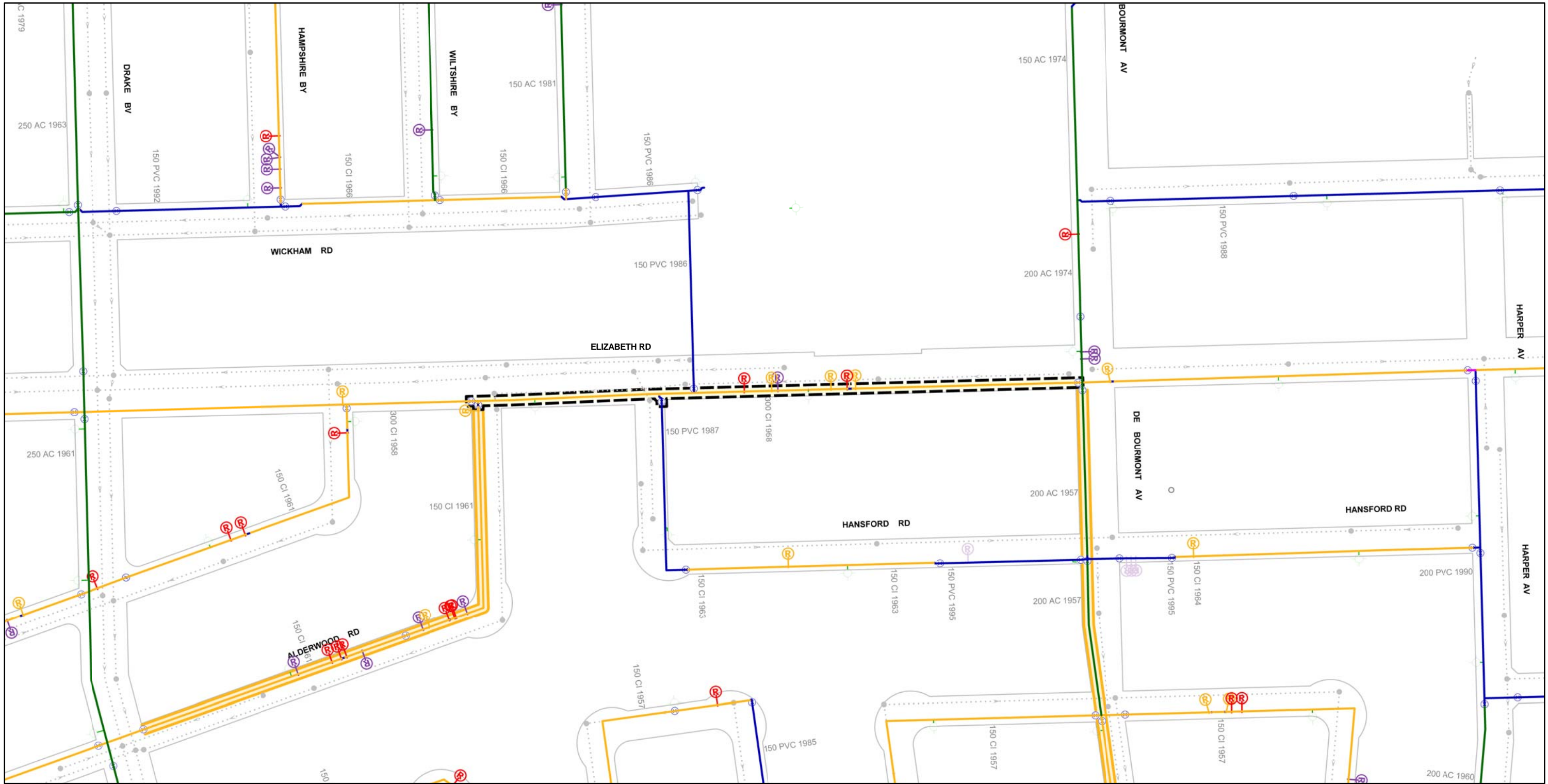
Location ID: 8

Street: DUGALD RD

Location Description: MAZENOD RD TO MID BLOCK E

Scale: 1:2000

Renewal Type: REPAIR COUNT




CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

300 ok.

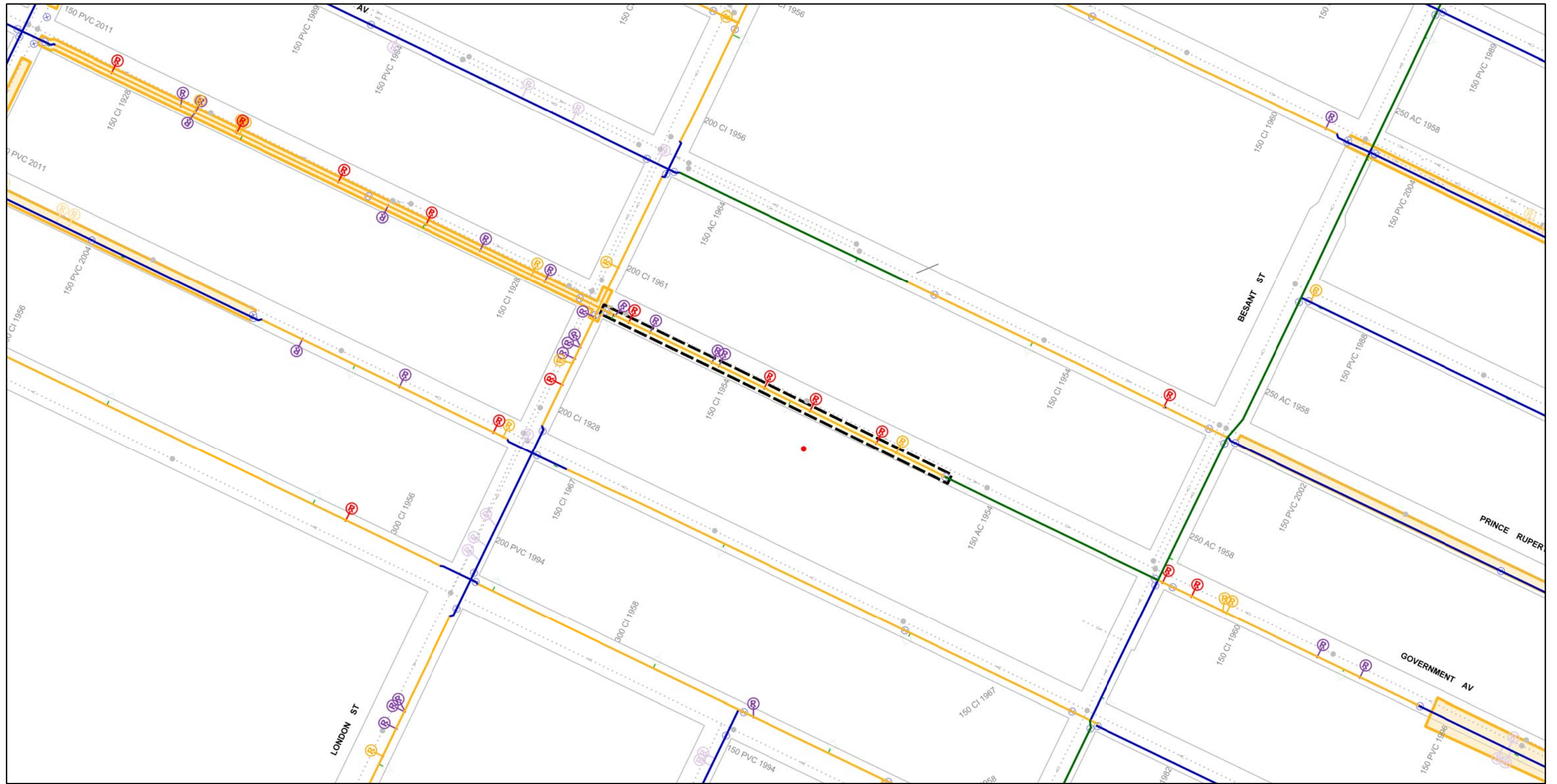
Printed: 10/19/2012





**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

Location ID: 12	Street: ELIZABETH RD
Location Description: ALDERWOOD RD TO DE BOURMONT AV	
Scale: 1:2000	Renewal Type: REPAIR COUNT



CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

FROZEN SERVICE
150 ok.

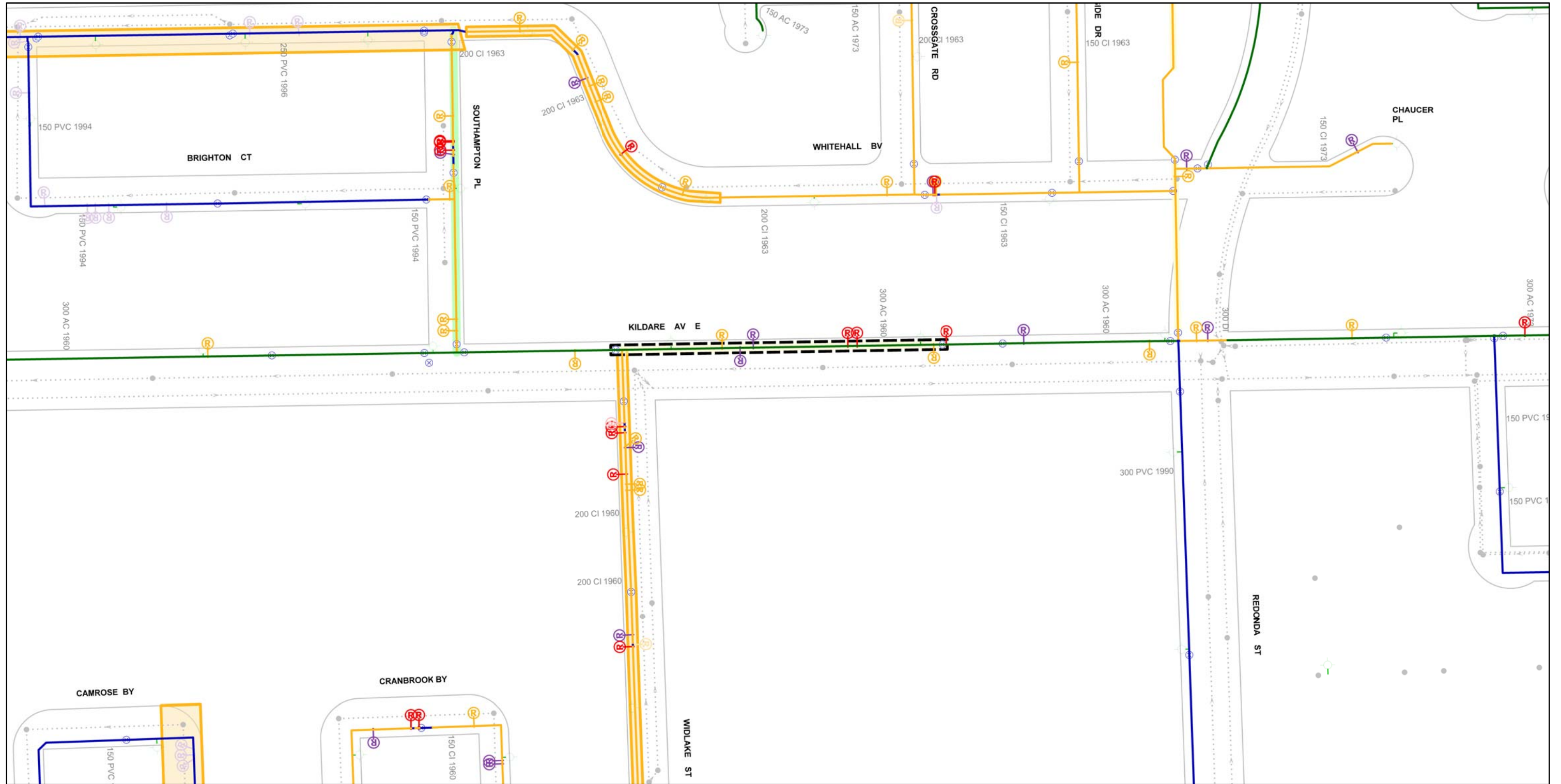
Printed: 10/19/2012





**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

Location ID: 14	Street: GOVERNMENT AV
Location Description: LONDON ST TO MID BLOCK E	
Scale: 1:2000	Renewal Type: REPAIR COUNT




CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

300 ok.

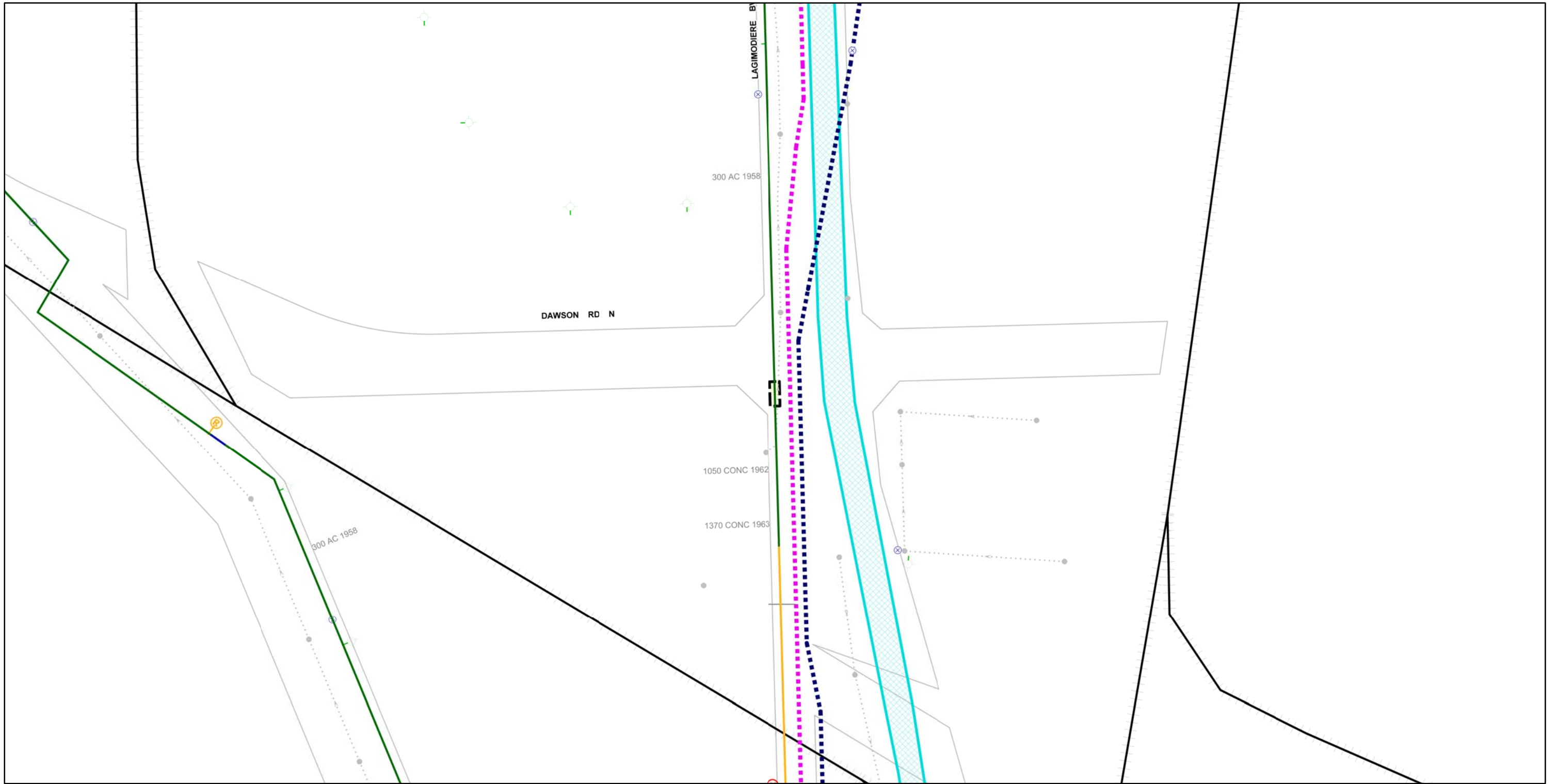
Printed: 10/19/2012





**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

Location ID: 20	Street: KILDARE AV
Location Description: WIDLAKE ST TO MID BLOCK E	
Scale: 1:2000	Renewal Type: LEAK FREQUENCY



CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

INSTALL VALVE



Printed: 10/19/2012



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

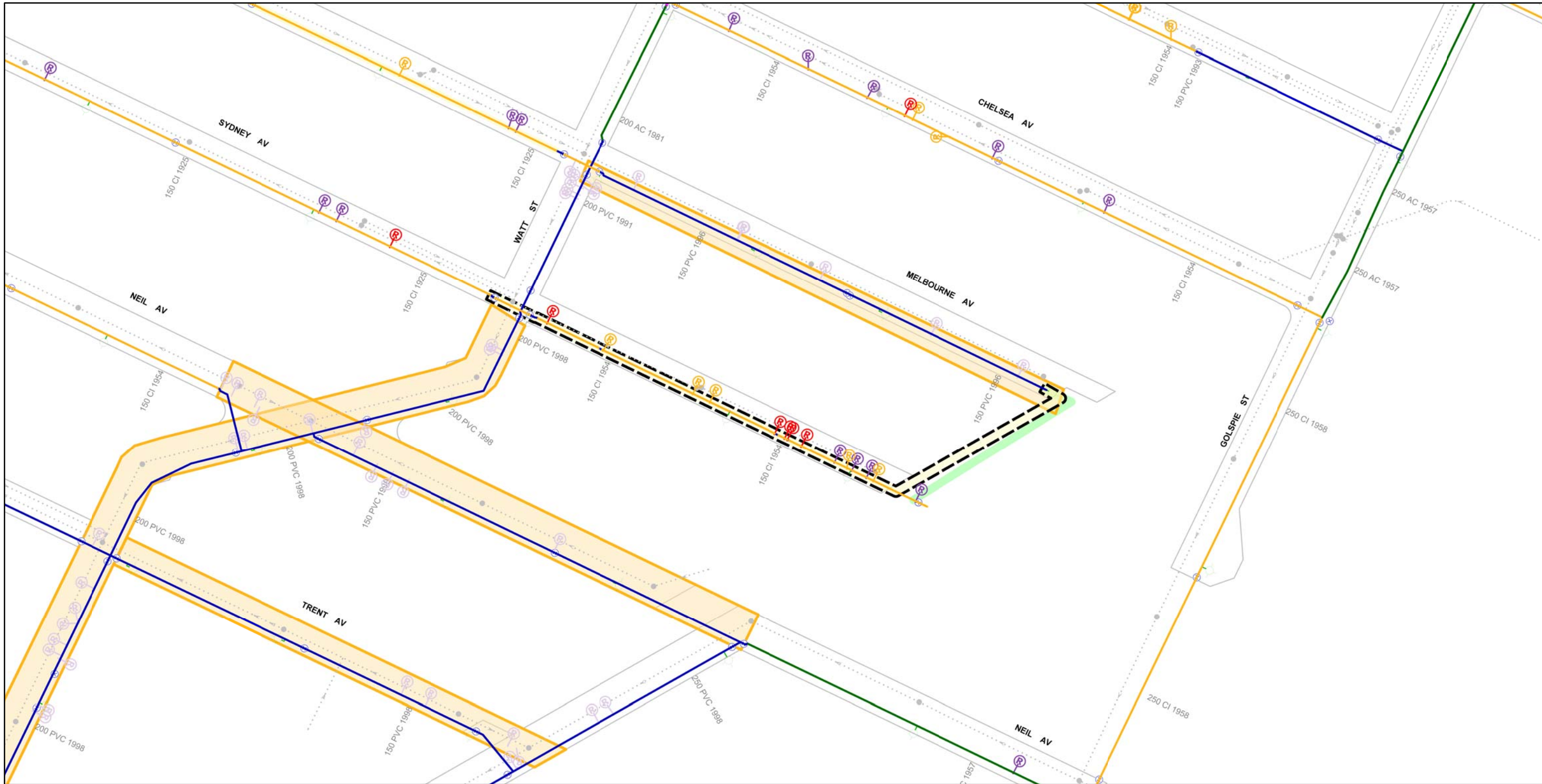
Location ID: 21

Street: LAGIMODIERE BV

Location Description: AT DAWSON RD

Scale: 1:2000

Renewal Type: LEAK FREQUENCY




CI WM	REPAIRS: <5 YRS	REPAIRS: >15 YRS - ABANDON	FROZEN SERVICES	2013 PWD PROJECT - LOCAL STREET
PVC WM	REPAIRS: <5 YRS - ABANDON	HYDRANT	MANHOLE	2013 PWD PROJECT - REGIONAL
AC WM	REPAIRS: 5 - 15 YRS	HYDRANT BRANCH	SEWER	2014 PWD PROJECT - REGIONAL
UNKNOWN WM MATERIAL	REPAIRS: 5 - 15 YRS - ABANDON	AQUEDUCT	2013 WMR PROJECTS	CATHODIC PROTECTION
VALVES	REPAIRS: >15 YRS	FEEDERMAIN	HISTORICAL PROJECTS	FIRE PROTECTION UPGRADE

Additional Notes:

150 ok. 150 loop to melbourne to eliminate dead ends and improve fire flows is a FPU.

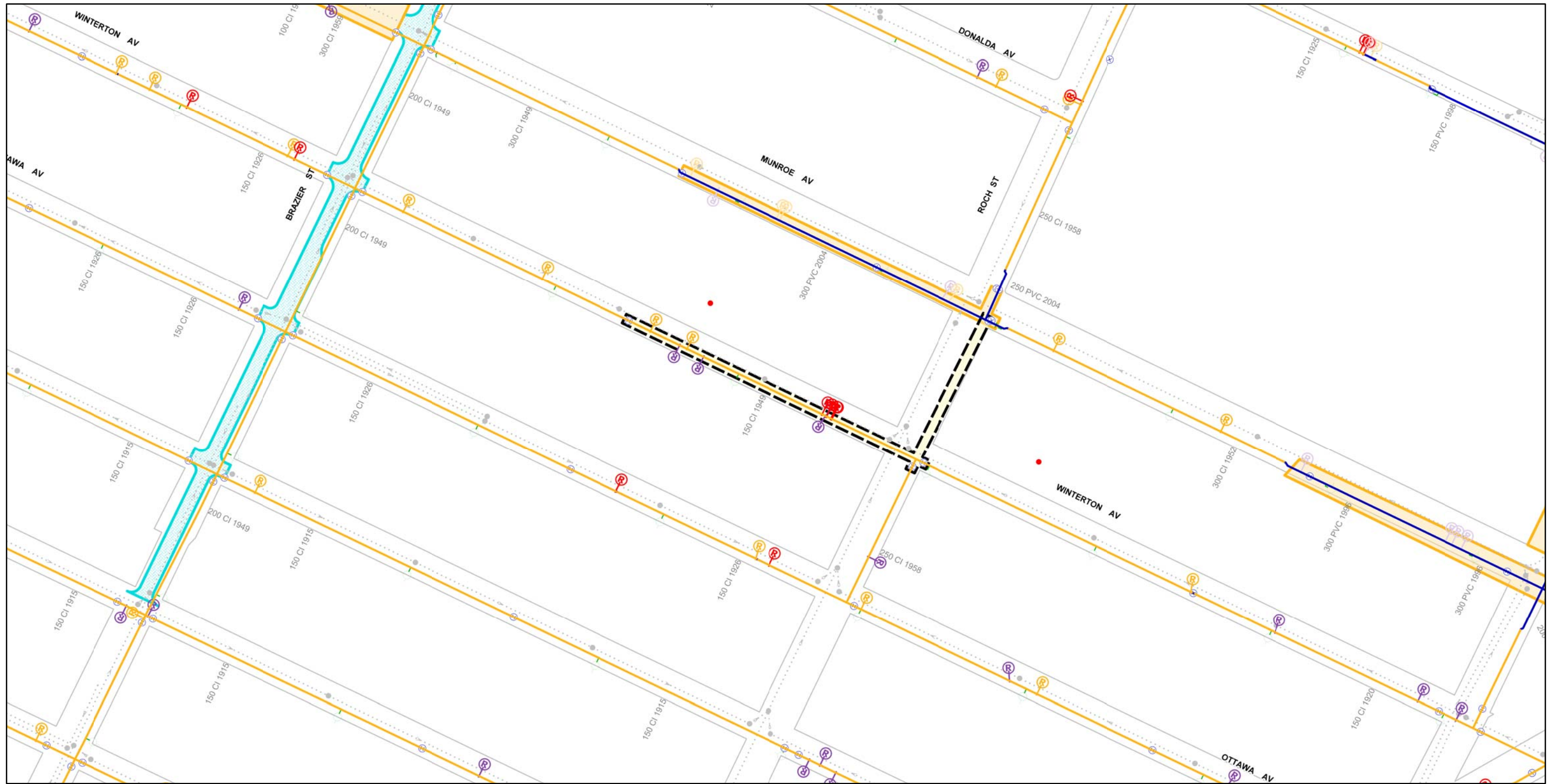
Printed: 10/19/2012





**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

Location ID: 29	Street: SYDNEY AV
Location Description: WATT ST TO MELBOURNE AV	
Scale: 1:2000	Renewal Type: LEAK FREQUENCY/ FPU



— CI WM	Ⓡ REPAIRS: <5 YRS	Ⓡ REPAIRS: >15 YRS - ABANDON	● FROZEN SERVICES	▨ 2013 PWD PROJECT - LOCAL STREET
— PVC WM	Ⓡ REPAIRS: <5 YRS - ABANDON	Ⓡ HYDRANT	● MANHOLE	▨ 2013 PWD PROJECT - REGIONAL
— AC WM	Ⓡ REPAIRS: 5 - 15 YRS	— HYDRANT BRANCH	— SEWER	▨ 2014 PWD PROJECT - REGIONAL
— UNKNOWN WM MATERIAL	Ⓡ REPAIRS: 5 - 15 YRS - ABANDON	▬ AQUEDUCT	▭ 2013 WMR PROJECTS	▨ CATHODIC PROTECTION
⊗ VALVES	Ⓡ REPAIRS: >15 YRS	▬ FEEDERMAIN	▭ HISTORICAL PROJECTS	▨ FIRE PROTECTION UPGRADE

Additional Notes:

150 ok for Winterton. 250 for Roch St

Printed: 10/19/2012



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2013 WATERMAIN RENEWAL PROGRAM**

Location ID: 32 Street: WINTERTON AV/ ROCH ST

Location Description: ROCH ST TO MID BLOCK W/ WINTERTON AV TO MUNROE

Scale: 1:2000 Renewal Type: LEAK FREQUENCY