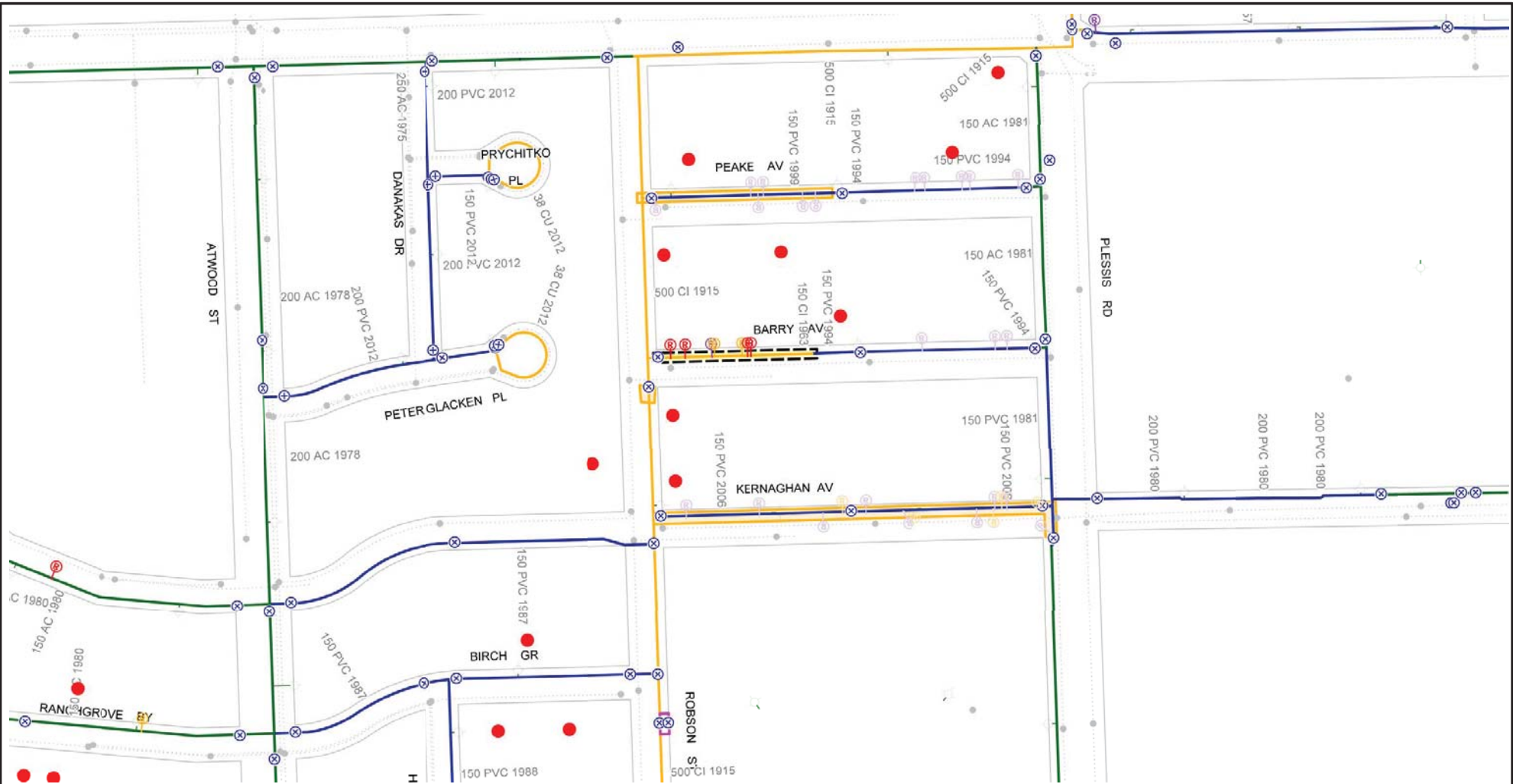


APPENDIX C – WATER MAIN RENEWAL LOCATION SKETCHES

Sketches for Barry Ave, Gateway Rd/Government Ave, Melrose Ave E, Tudor Cr/Marsden St, Wayota St



	CI WM		REPAIR < 5 YRS		REPAIR > 15 YRS		REPAIR > 15 YRS - ABANDON		VALVES		2014 FROZEN SERVICES		HYDRANT		HYDRANT BRANCH
	PVC WM		REPAIR < 5 YRS - ABANDON		REPAIR < 5 YRS		REPAIR < 5 YRS - ABANDON		REPAIR < 5 YRS		REPAIR < 5 YRS - ABANDON		REPAIR < 5 YRS		REPAIR < 5 YRS - ABANDON
	AC WM		REPAIR > 15 YRS		REPAIR > 15 YRS - ABANDON		REPAIR > 15 YRS - ABANDON		REPAIR > 15 YRS		REPAIR > 15 YRS		REPAIR > 15 YRS		REPAIR > 15 YRS
	UNKNOWN MATERIAL		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	SCHOOL PARCELS		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	RAILWAY		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	SEWERS		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	FEEDER MAIN		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	AQUEDUCT		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	MANHOLE		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	PROJECTS - 2015		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	HISTORICAL PROJECTS		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	CATHODIC PROTECTION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL
	FIRE PROTECTION UPGRADE		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL		2015 PWD PROJECT - REGION		2015 PWD PROJECT - LOCAL

Additional Notes:
 -150mm ok.
 -Add 1 hydrant.



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Location ID: 4 Street: BARRY AVE

Location Description: ROBSON ST TO MID-BLOCK E

Scale: 1:2000 Renewal Type: REPAIR COUNT

Printed: 10/16/2015



CI WM	REPAIR 5 - 15 YRS - ABANDON	FEEDERMAIN	PROJECTS - 2015
PVC WM	REPAIR > 15 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR > 15 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	VALVES	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	2014 FROZEN SERVICES	RAILWAY	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	HYDRANT	SCHOOL PARCELS	FIRE PROTECTION UPGRADE
REPAIR 5 - 15 YRS	HYDRANT BRANCH		

Additional Notes:
 -200mm ok for Gateway Rd.
 -150mm ok for Government Ave
 -Y-services at 593,595,597,599,601 and 603 Gateway



Printed: 10/16/2015

CITY OF WINNIPEG WATER AND WASTE DEPARTMENT 2016 WATERMAIN RENEWAL PROGRAM	
Location ID: 13	Street: GATEWAY RD/ GOVERNMENT AVE
Location Description: PRINCE RUPERT AVE TO MID-BLOCK E	
Scale: 1:2000	Renewal Type: REPAIR COUNT

C:\Asset Management Branch\Water\WM Renewal\2015\GCOMEDIA\2015_WMIR.gws




CI WM	REPAIR < 5 YRS - ABANDON	FEEDER MAIN	PROJECTS - 2015
PVC WM	REPAIR > 15 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR > 15 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	VALVES	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	2014 FROZEN SERVICES	RAILWAY	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	HYDRANT	SCHOOL PARCELS	FIRE PROTECTION UPGRADE
REPAIR 5 - 15 YRS	HYDRANT BRANCH		

Additional Notes:
-150mm ok

↑
N
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Printed: 10/16/2015



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WATER AND WASTE DEPARTMENT
2016 WATERMAIN RENEWAL PROGRAM**


Location ID: 22	Street: MELROSE AVE E
Location Description: KANATA ST TO ROANOKE ST	
Scale: 1:2000	Renewal Type: REPAIR COUNT



CI WM	REPAIR > 15 YRS	FEEDER/MAIN	PROJECTS - 2015
PVC WM	REPAIR < 5 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR < 5 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	2014 FROZEN SERVICES	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	HYDRANT	RAILWAY	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	HYDRANT BRANCH	SCHOOL PARCELS	FIRE PROTECTION UPGRADE
REPAIR 5 - 15 YRS			

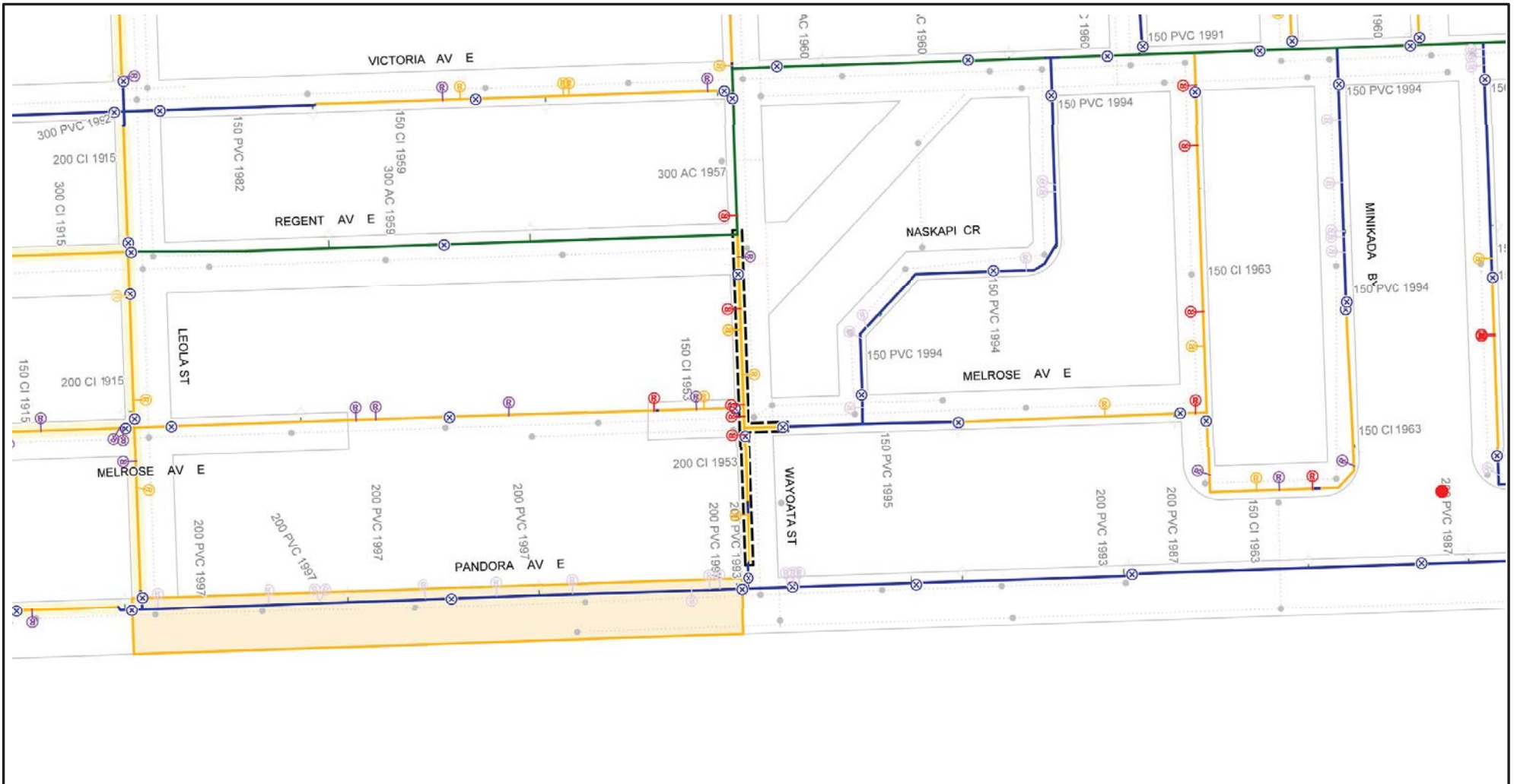
Additional Notes:
 -150mm ok.
 -Add 1 hydrant.

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**CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 2016 WATERMAIN RENEWAL PROGRAM**

Location ID: 32	Street: TUDOR CR/MARSDEN ST
Location Description: LONDON ST TO MID-BLOCK N ON MARSDEN ST	
Scale: 1:2000	Renewal Type: REPAIR COUNT



CI WM	REPAIR 5 - 15 YRS - ABANDON	FEEDERMAIN	PROJECTS - 2015
PVC WM	REPAIR > 15 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR > 15 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	VALVES	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	2014 FROZEN SERVICES	RAILWAY	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	HYDRANT	SCHOOL PARCELS	FIRE PROTECTION UPGRADE
REPAIR 5 - 15 YRS	HYDRANT BRANCH		

Additional Notes:
-200mm ok

↑
N
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CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2016 WATERMAIN RENEWAL PROGRAM

Location ID: 33	Street: WAYOTA ST
Location Description: REGENT AVE E TO PANDORA AVE E	
Scale: 1:2000	Renewal Type: REPAIR COUNT