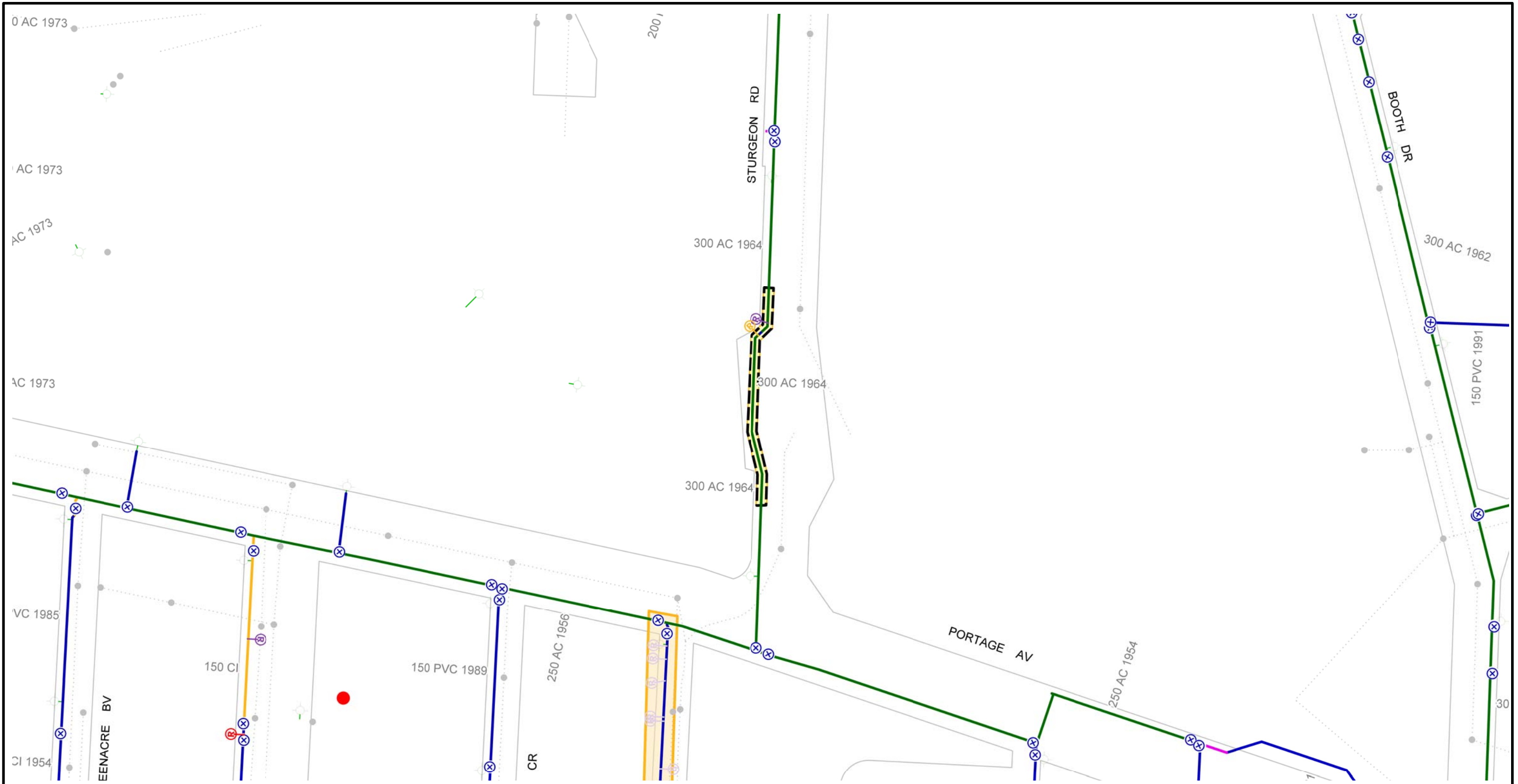


APPENDIX C – WATERMAIN RENEWAL LOCATIONS SKETCHES

Sketches for HOME ST., LOGAN AVE., ISABEL ST., RIVER AVE., & STUREGEON RD.




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:



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CITY OF WINNIPEG WATER AND WASTE DEPARTMENT 2015 WATERMAIN RENEWAL PROGRAM

Location ID: 33	Street: STURGEON RD
Location Description: UNDER CREEK, MID-BLOCK BETWEEN PORTAGE AV AND BOOTH DR	
Scale: 1:2000	Renewal Type: WATER SERVICES



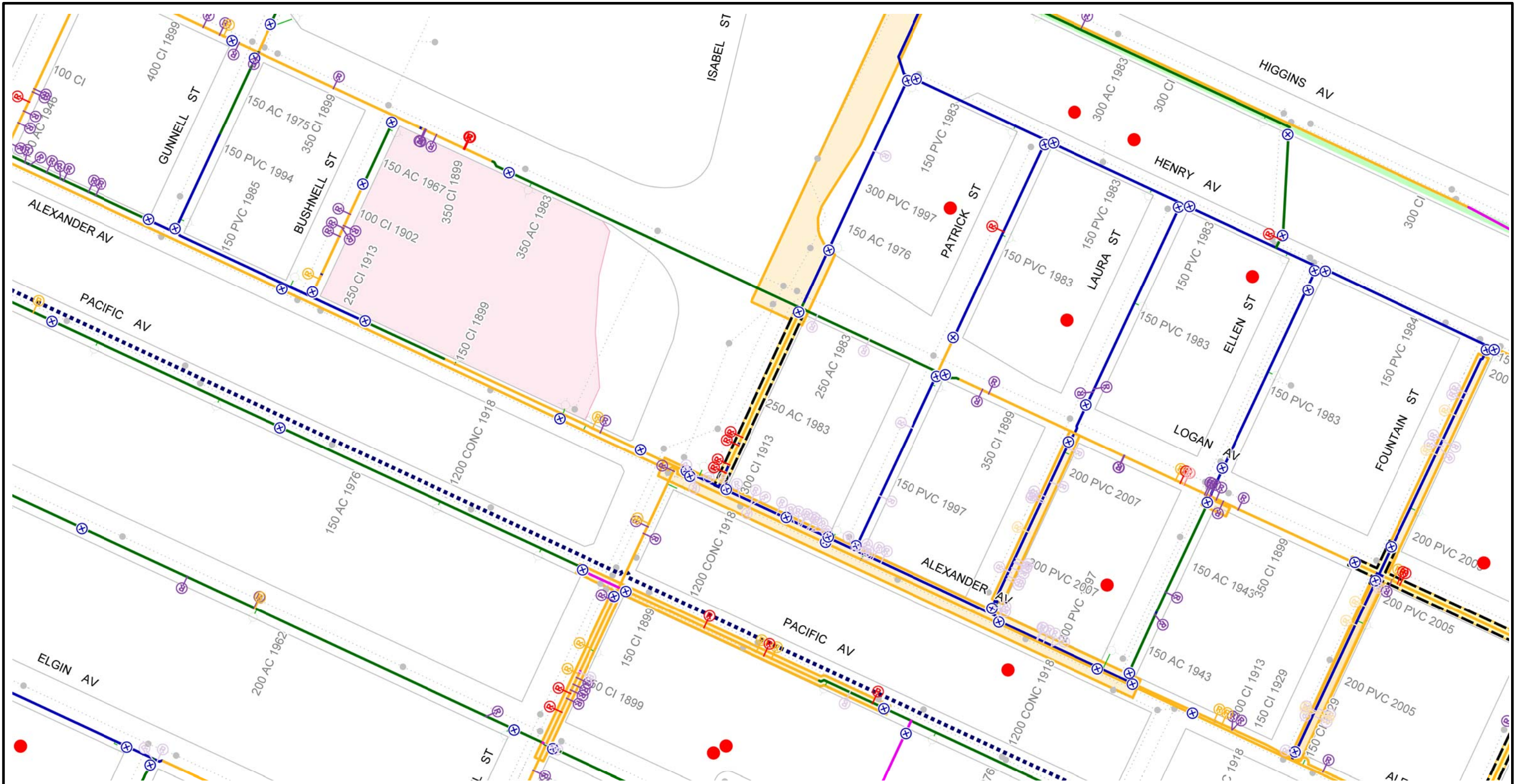
CI WM	REPAIR < 5 YRS	FEEDERMAIN	PROJECTS - 2015
PVC WM	REPAIR < 5 YRS - ABANDON	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR > 15 YRS	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	REPAIR > 15 YRS - ABANDON	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	VALVES	RAILWAY	CATHODIC PROTECTION
REPAIR < 5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

Additional Notes:
 Upsize to 250mm on River. Add 250mm on Harkness from River to Bell. School Nearby.

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Location ID: 32	Street: RIVER AV
Location Description:	MID-BLOCK W OF HARKNESS ST TO MID-BLOCK E OF HARKNESS AT
Scale: 1:2000	Renewal Type: WATER SERVICES/ WATER PLANNING



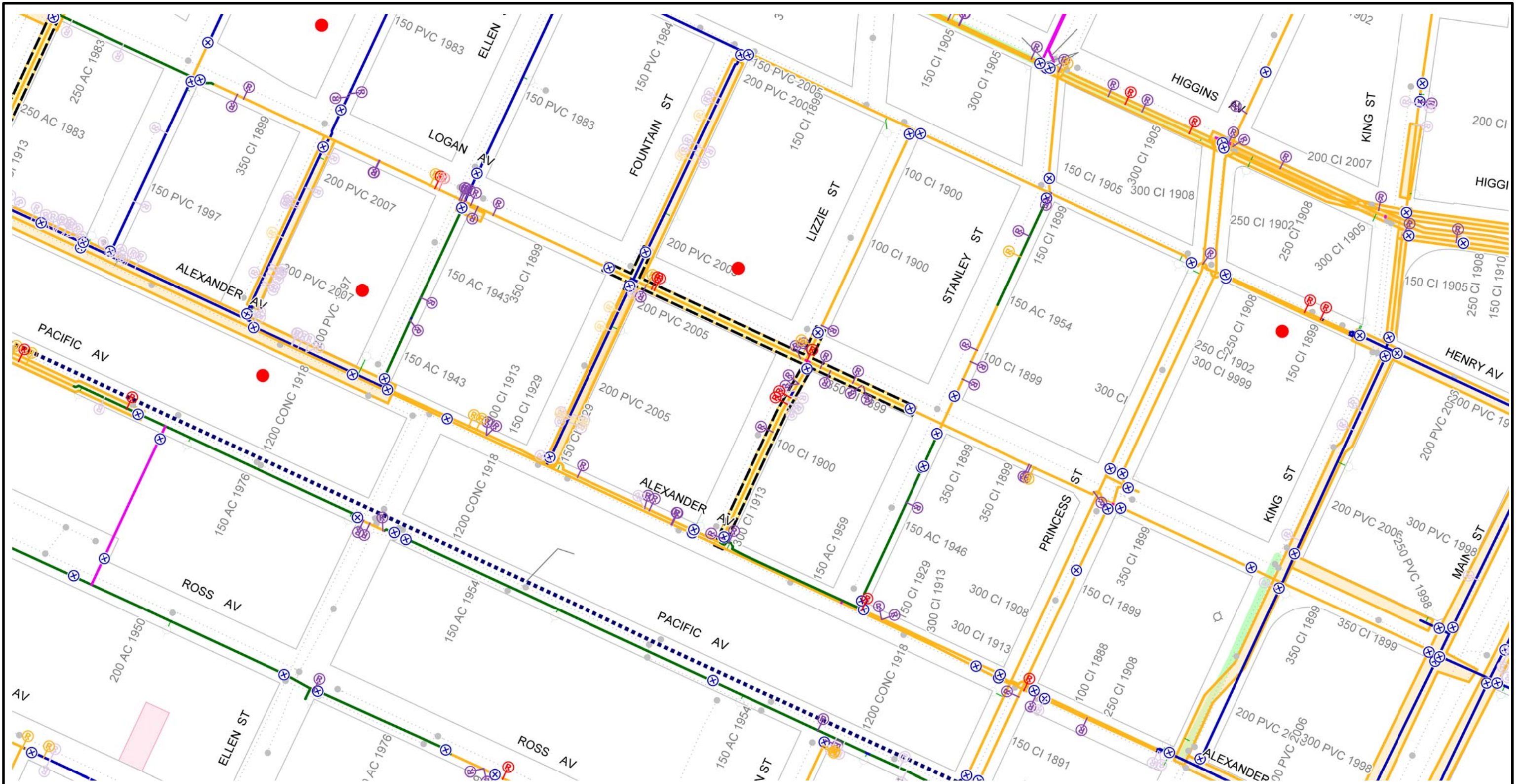
CI WM	REPAIR > 15 YRS	FEEDERMAIN	PROJECTS - 2015
PVC WM	REPAIR < 5 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR < 5 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	HYDRANT	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	HYDRANT BRANCH	RAILWAY	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON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

Additional Notes:
 Across Isabel from School

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Location ID: 22	Street: ISABEL ST
Location Description: LOGAN AV TO ALEXANDER AV	
Scale: 1:2000	Renewal Type: REPAIR COUNT/ WATER SERVICES



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

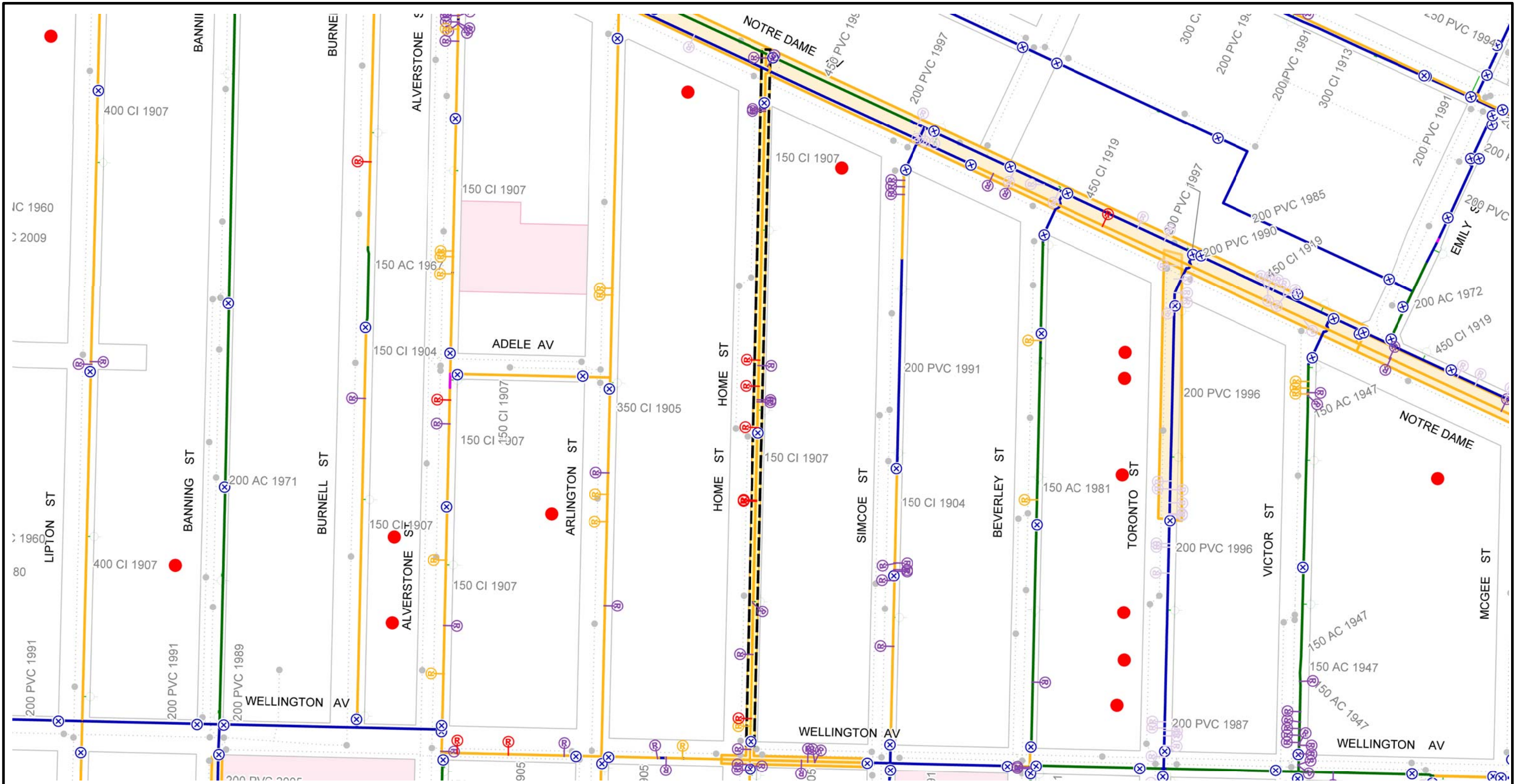
Additional Notes:
 Downsize Logan to 300mm, 200mm ok for Fountain. Upsize Lizzie to 200mm.
 2-3 additional hydrants required.

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**CITY OF WINNIPEG
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 2015 WATERMAIN RENEWAL PROGRAM**

Location ID: 17	Street: LOGAN AV/LIZZIE ST
Location Description: ARLINGTON FROM STANLEY ST TO FOUNTAIN ST/ LIZZIE FROM LOGAN TO ALEXANDER 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:
Upsize to 200mm.
Additional hydrant required.



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2015 WATERMAIN RENEWAL PROGRAM**

Location ID: 12 Street: HOME ST

Location Description: WELLINGTON AV TO NOTRE DAME AV

Scale: 1:2200 Renewal Type: REPAIR COUNT