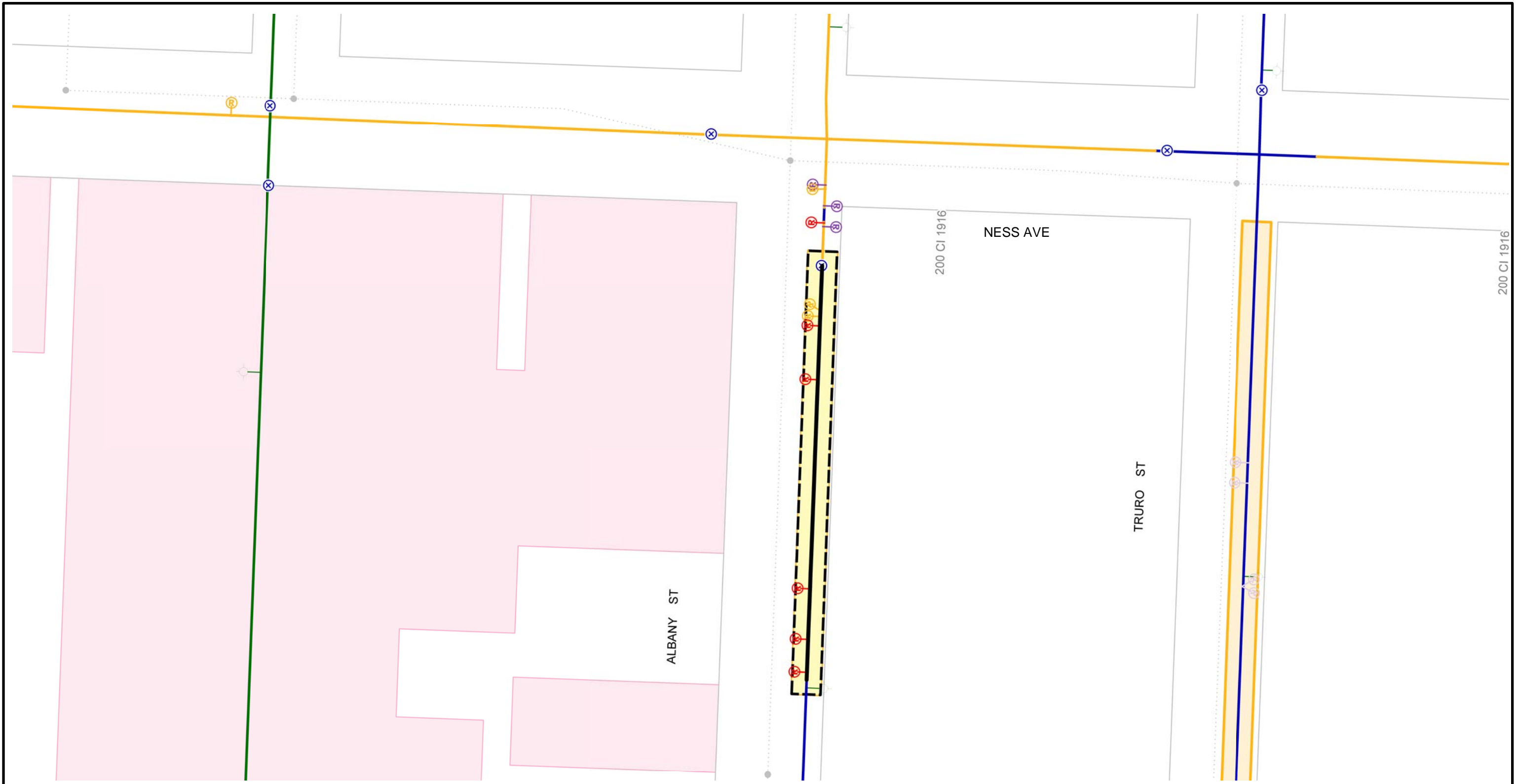


APPENDIX C – WATER MAIN RENEWAL LOCATION SKETCHES

Sketches for Albany St, Berry St, Boreham Blvd, Laidlaw Blvd, Oxford St, Portage Ave/Woodlawn St, Rita St, Acheson Dr



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		

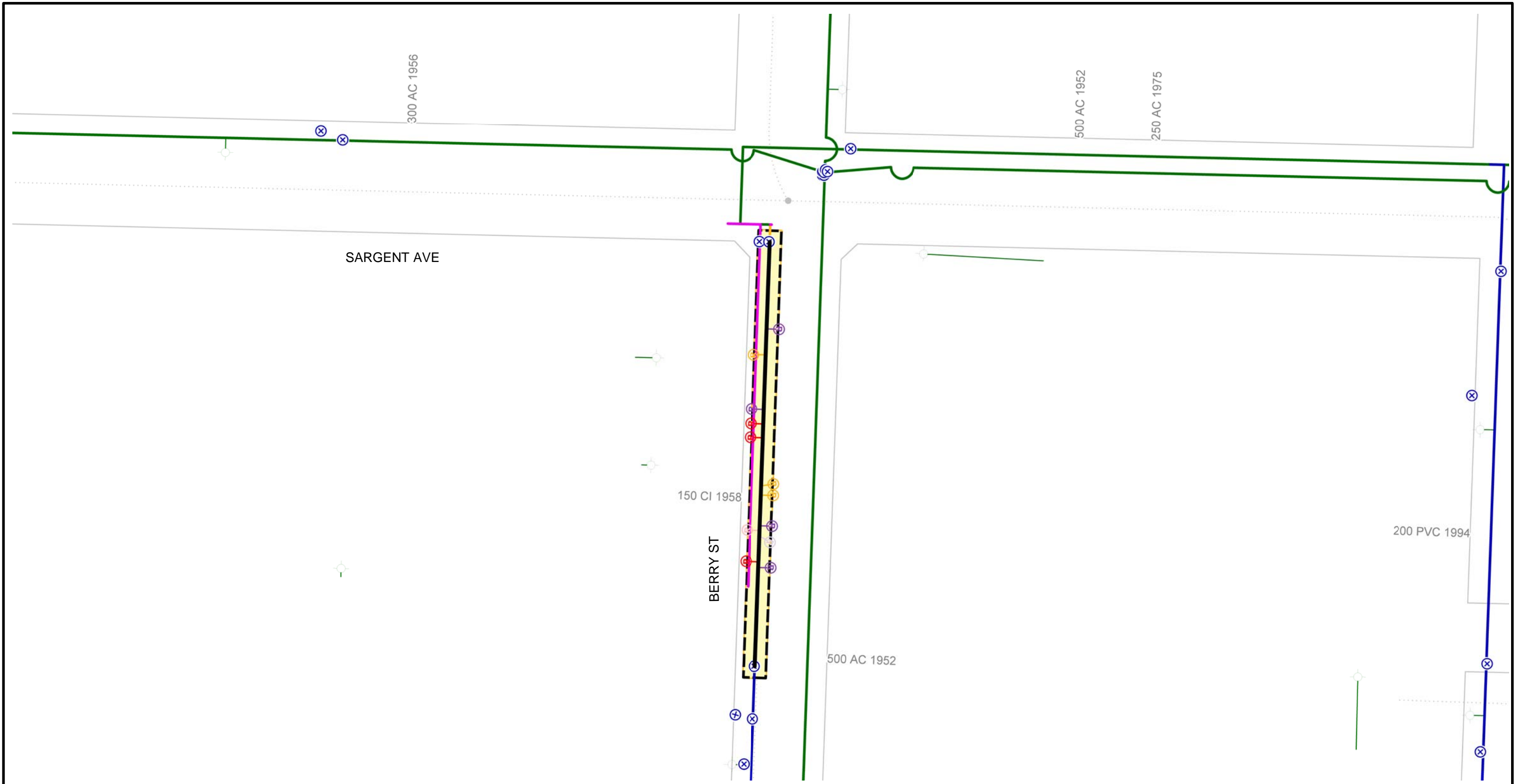
Additional Notes:
 -Proximity to school
 -150mm ok



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Location ID: 1	Street: ALBANY ST
Location Description: NESS AVE TO MID-BLOCK S	
Scale:	Renewal Type: REPAIR COUNT

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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:
-200mmok.

N

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Location ID: 6	Street: BERRY ST
Location Description: SARGENT AVE TO MID-BLOCK S	
Scale:	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		

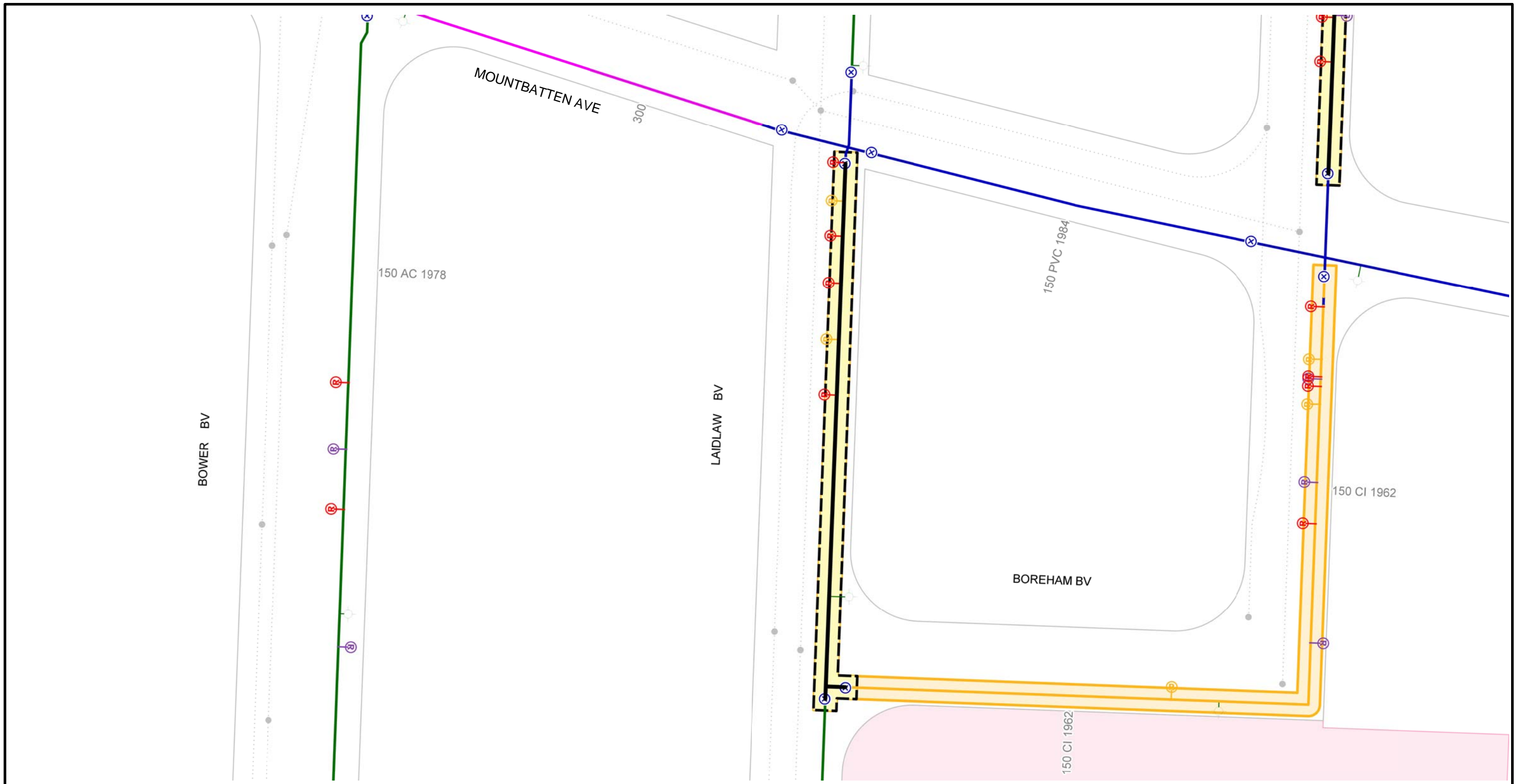
Additional Notes:
-150mmok.

N

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2016 WATERMAIN RENEWAL PROGRAM**

Location ID: 7	Street: BOREHAM BLVD
Location Description: MOUNTBATTEN AVE TO MID-BLOCK N	
Scale:	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		

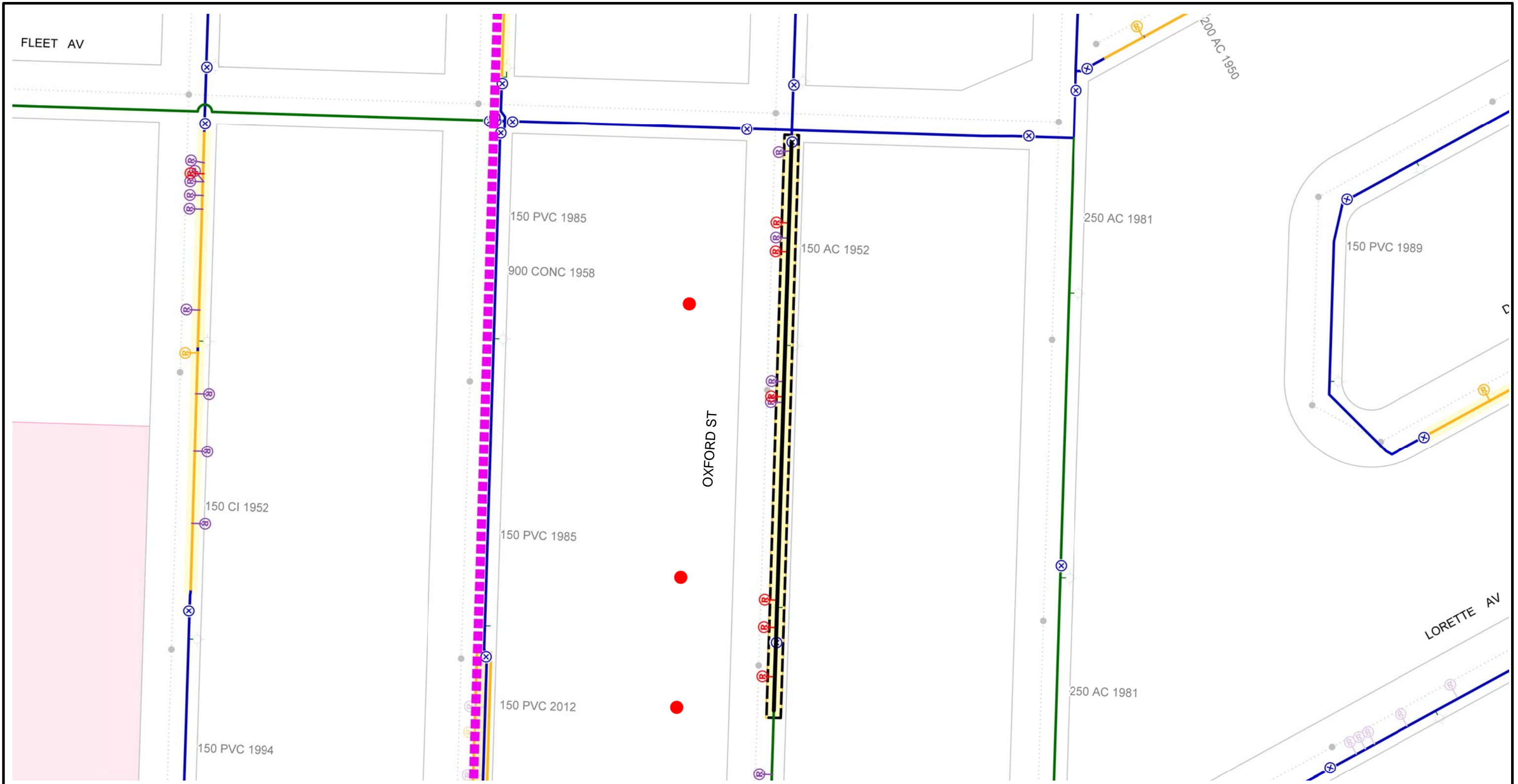
Additional Notes:
 -Proximity to school
 -250mm ok

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 WATER AND WASTE DEPARTMENT
 2016 WATERMAIN RENEWAL PROGRAM**

Location ID: 16	Street: LAIDLAW BLVD
Location Description: BOREHAM BLVD TO MOUNTBATTEN AVE	
Scale:	Renewal Type: REPAIR COUNT



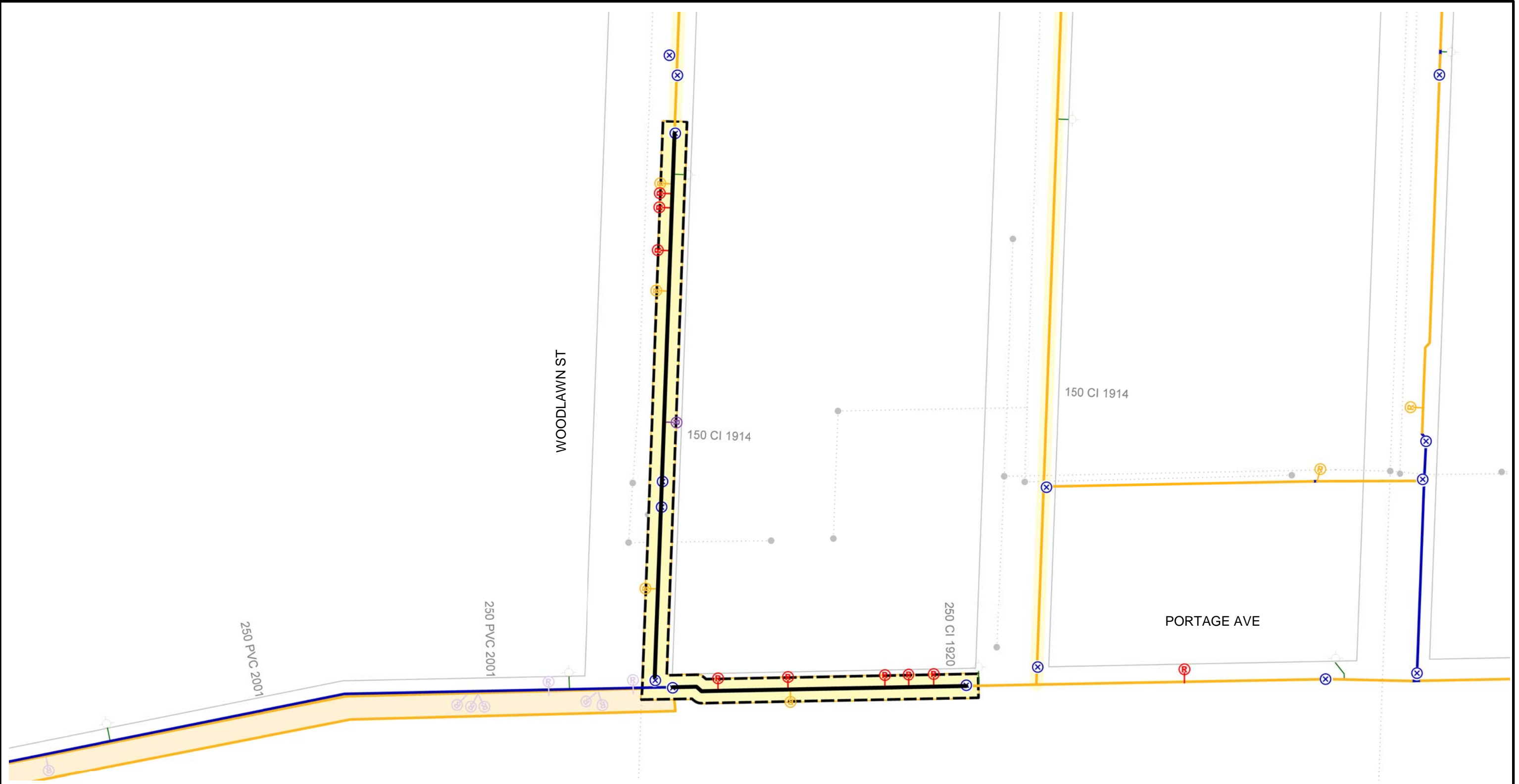
CI WM	REPAIR 5 - 15 YRS - ABANDON	FEEDERMAIN	PROJECTS - 2015
PVC WM	REPAIR > 15 YRS	AQUEDUCT	HISTORICAL PROJECTS
AC WM	REPAIR > 15 YRS - ABANDON	MANHOLE	2015 PWD PROJECT - LOCAL
UNKNOWN MATERIAL	VALVES	SEWERS	2015 PWD PROJECT - REGION
REPAIR < 5 YRS	2014 FROZEN SERVICES	RAILWAY	CATHODIC PROTECTION
REPAIR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

Additional Notes:
 -150mm ok
 -frozen service replacement required at 625,653 and 665 Oxford St

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 2016 WATERMAIN RENEWAL PROGRAM**

Location ID: 25	Street: OXFORD ST
Location Description: GRANT AVE TO FLEET AVE	
Scale:	Renewal Type: REPAIR COUNT



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

Additional Notes:
-250mm ok



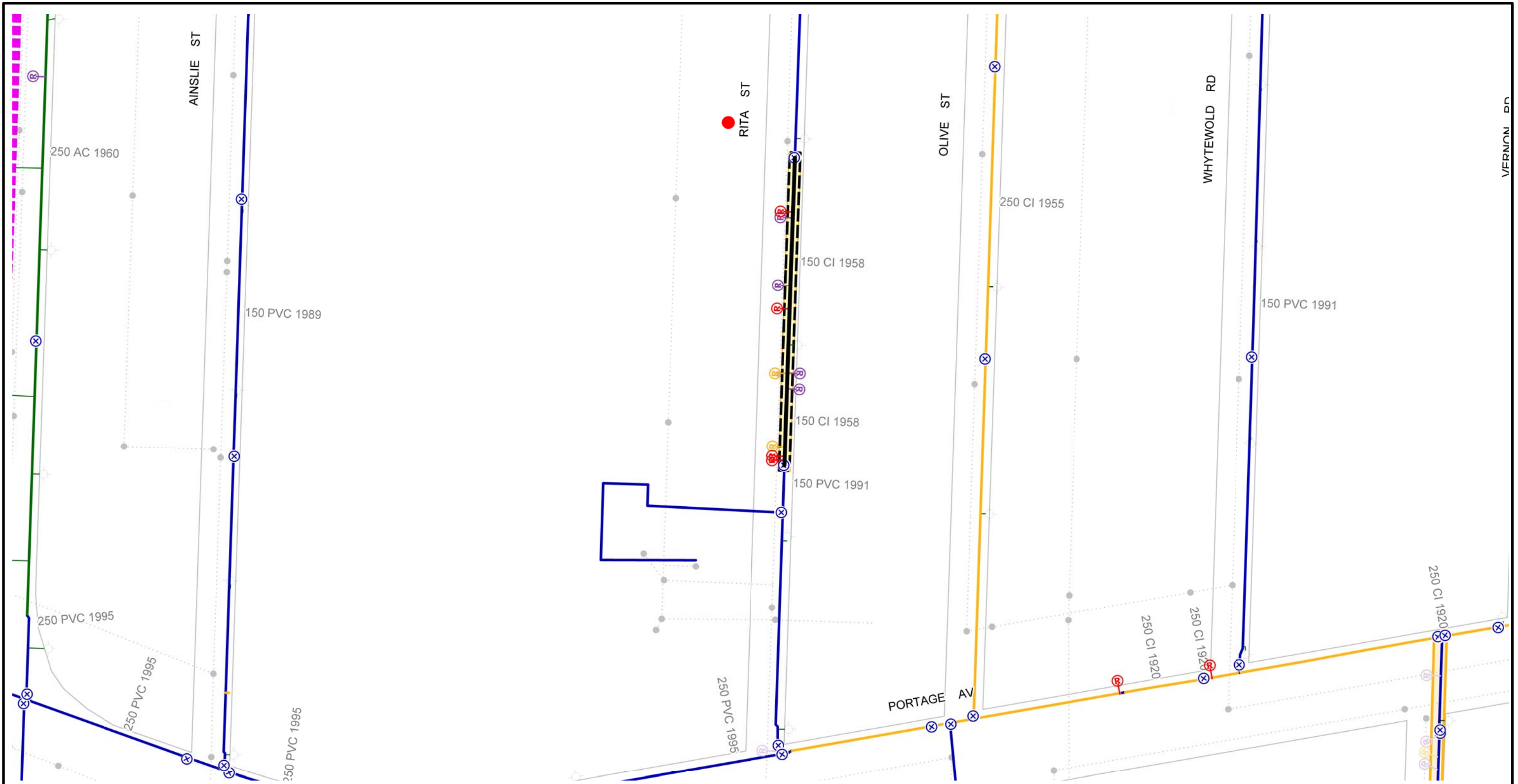
**CITY OF WINNIPEG
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2016 WATERMAIN RENEWAL PROGRAM**

Location ID: 27 Street: PORTAGE AVE/WOODLAWN ST

Location Description: BELVIDERE ST TO MID-BLOCK N ON WOODLAWN ST

Scale: Renewal Type: REPAIR COUNT

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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:
-150mm ok

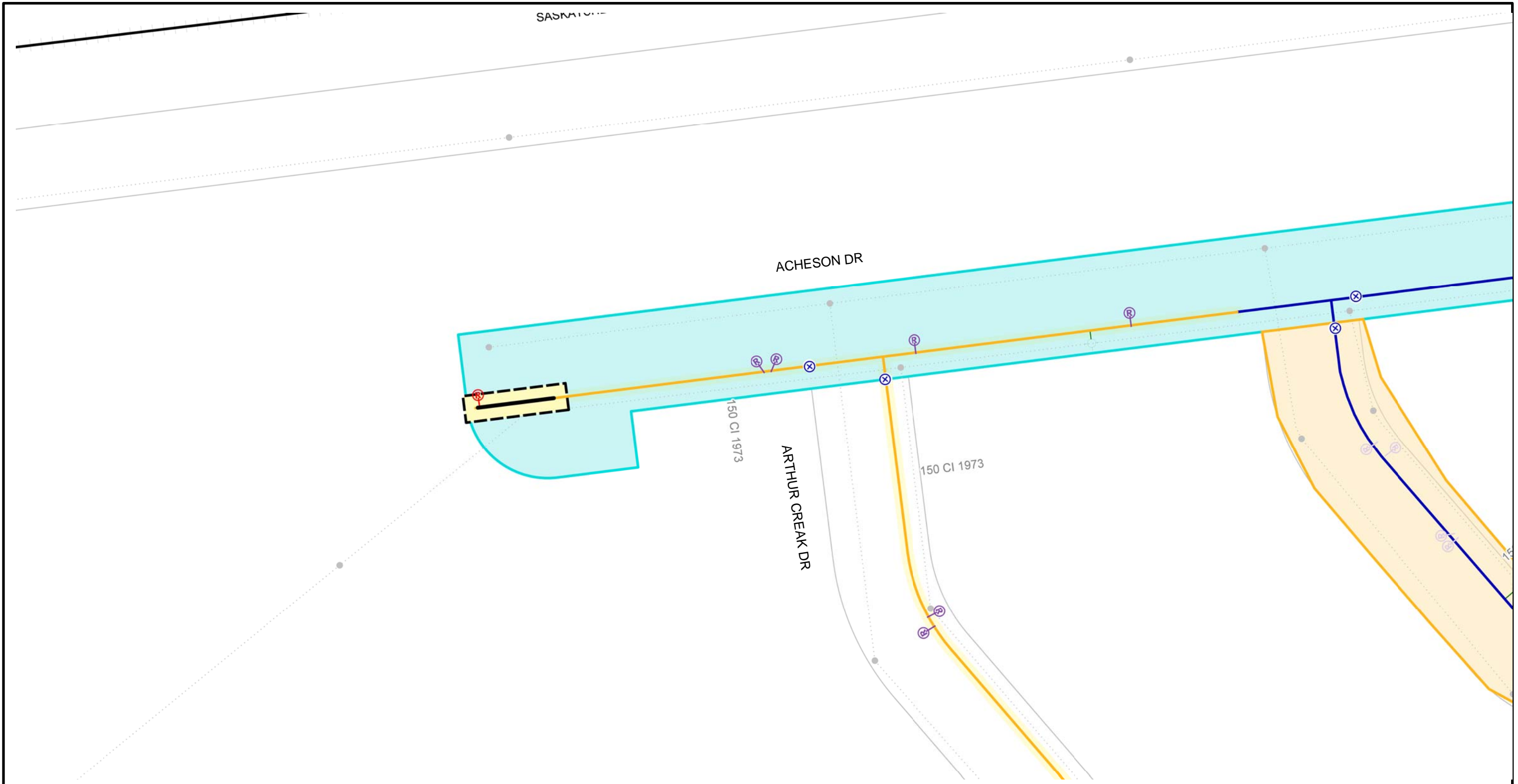




CITY OF WINNIPEG WATER AND WASTE DEPARTMENT 2016 WATERMAIN RENEWAL PROGRAM

Location ID: 28	Street: RITA ST (MID-BLOCK)
Location Description: PORTAGE AVE AND LODGE AVE	
Scale:	Renewal Type: REPAIR COUNT

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

Additional Notes:
-no water main renewal required,
just add hydrant.

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CITY OF WINNIPEG WATER AND WASTE DEPARTMENT 2016 WATERMAIN RENEWAL PROGRAM

Location ID: 36	Street: ACHESON DR
Location Description: END OF ACHESON DR	
Scale:	Renewal Type: WATER PLANNING- HYDRANT INSTALLATION