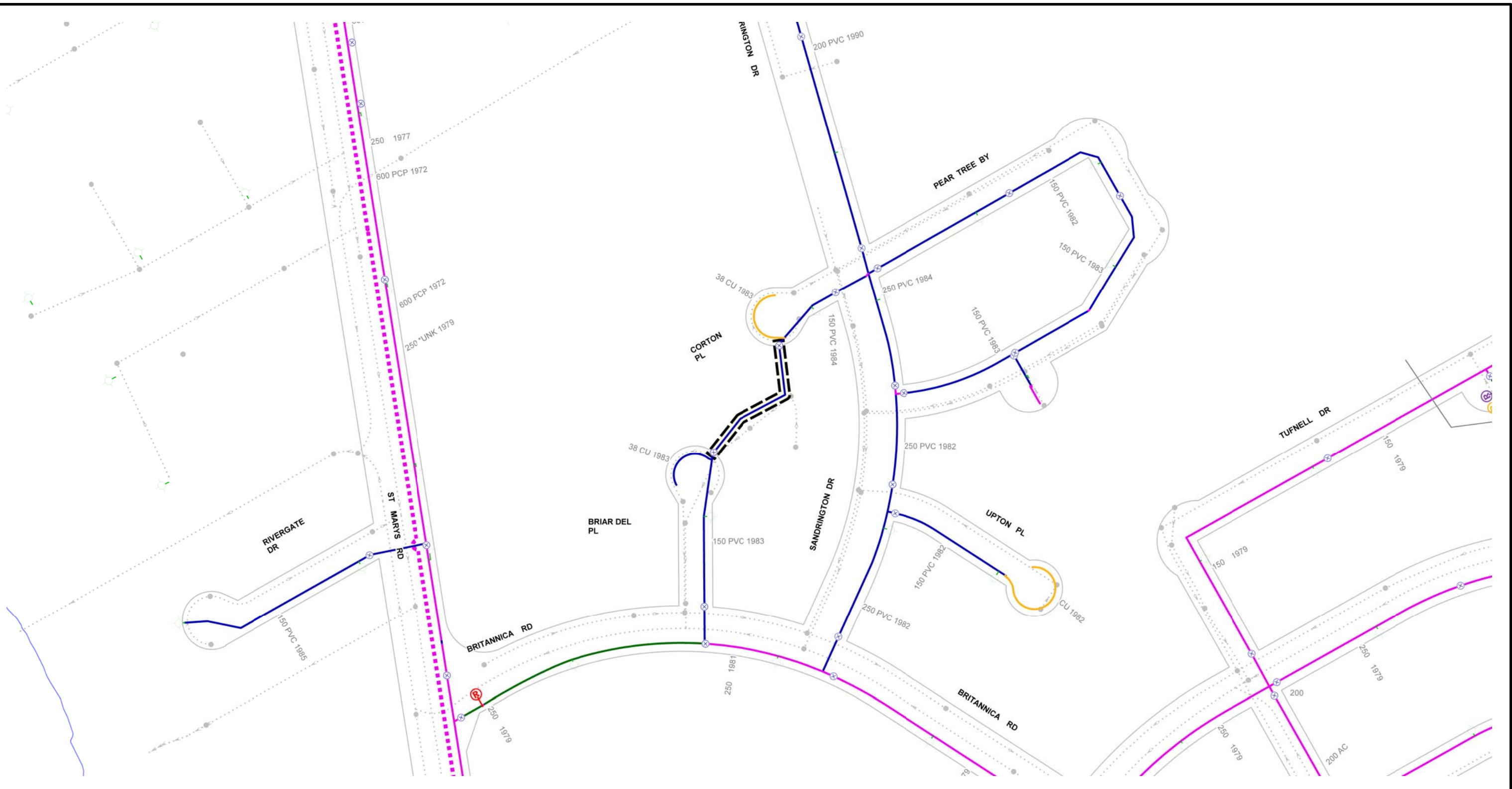


APPENDIX C – WATERMAIN RENEWAL LOCATIONS SKETCHES

Sketches for ELM PARD RD,NEWARK RD,ROCH ST/OTTAWA AV,WOODVALE ST,RIEL AVE,CORTON PL TO BRIAR DEL..




	CI WM		REPAIR 5-15 YRS - ABANDON		FEEDERMAIN		HISTORICAL PROJECTS
	PVC WM		REPAIR > 15 YRS		AQUEDUCT		2014 PWD PROJECT- LOCAL
	A.C WM		REPAIR > 15 YRS - ABANDON		MANHOLE		2014 PWD PROJECT - REGIONAL
	UNKNOWN MATERIAL		VALVES		SEWER		CATHODIC PROTECTION
	REPAIR < 5 YRS		FROZEN SERVICE		RAILWAY		FIRE PROTECTION UPGRADE
	REPAIR < 5 YRS - ABANDON		HYDRANT		SCHOOL PARCELS		
	REPAIR 5-15 YRS		HYDRANT BRANCH		PROJECTS_2014		

Additional Notes:

ABANDON WM

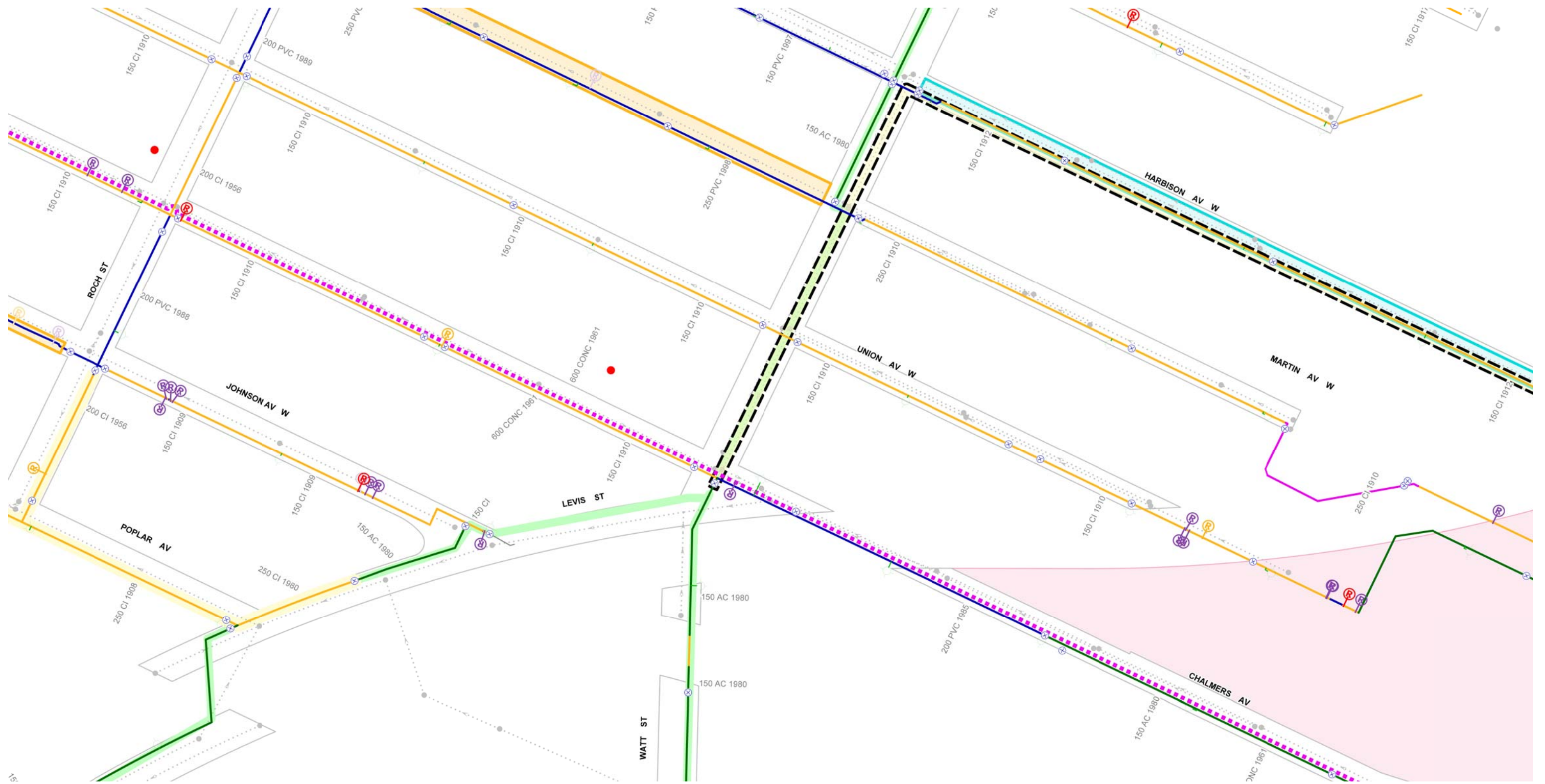
INSTALL CUL-DE-SAC CONFIGURATION.
(SEE EMAIL 8/26/13)

Printed: 10/8/2013



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 47	Street: ROW
Location Description: BETWEEN CORTON PL AND BRIAR DEL PL	
Scale: 1:2000	Renewal Type: ABANDON



CI WM	REPAIR < 5 YRS	FEEDERMAIN	HISTORICAL PROJECTS
PVC WM	REPAIR < 5 YRS - ABANDON	AQUEDUCT	2014 PWD PROJECT- LOCAL
A.C WM	REPAIR > 15 YRS	MANHOLE	2014 PWD PROJECT - REGIONAL
UNKNOWN MATERIAL	REPAIR > 15 YRS - ABANDON	SEWER	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	VALVES	RAILWAY	FIRE PROTECTION UPGRADE
REPAIR 5-15 YRS	FROZEN SERVICE	SCHOOL PARCELS	
	HYDRANT	PROJECTS_2014	
	HYDRANT BRANCH		

Additional Notes:
INSTALL NEW 200mm WM



Printed: 10/8/2013



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 38

Street: WATT ST/ HARBISON AV W

Location Description: CHALMERS AV TO END OF HARBISON AV W

Scale: 1:2000

Renewal Type: WATER PLANNING/
PWD_LOCAL



	CI WM		REPAIR 5-15 YRS - ABANDON		FEEDERMAIN		HISTORICAL PROJECTS
	PVC WM		REPAIR > 15 YRS		AQUEDUCT		2014 PWD PROJECT- LOCAL
	AC WM		REPAIR > 15 YRS - ABANDON		MANHOLE		2014 PWD PROJECT - REGIONAL
	UNKNOWN MATERIAL		VALVES		SEWER		CATHODIC PROTECTION
	REPAIR < 5 YRS		FROZEN SERVICE		RAILWAY		FIRE PROTECTION UPGRADE
	REPAIR < 5 YRS - ABANDON		HYDRANT		SCHOOL PARCELS		
	REPAIR 5-15 YRS		HYDRANT BRANCH		PROJECTS_2014		


Additional Notes:

HYDRANT DIFFICENCY.

DO NOT RENEW WM. INSTALL HYDRANT.

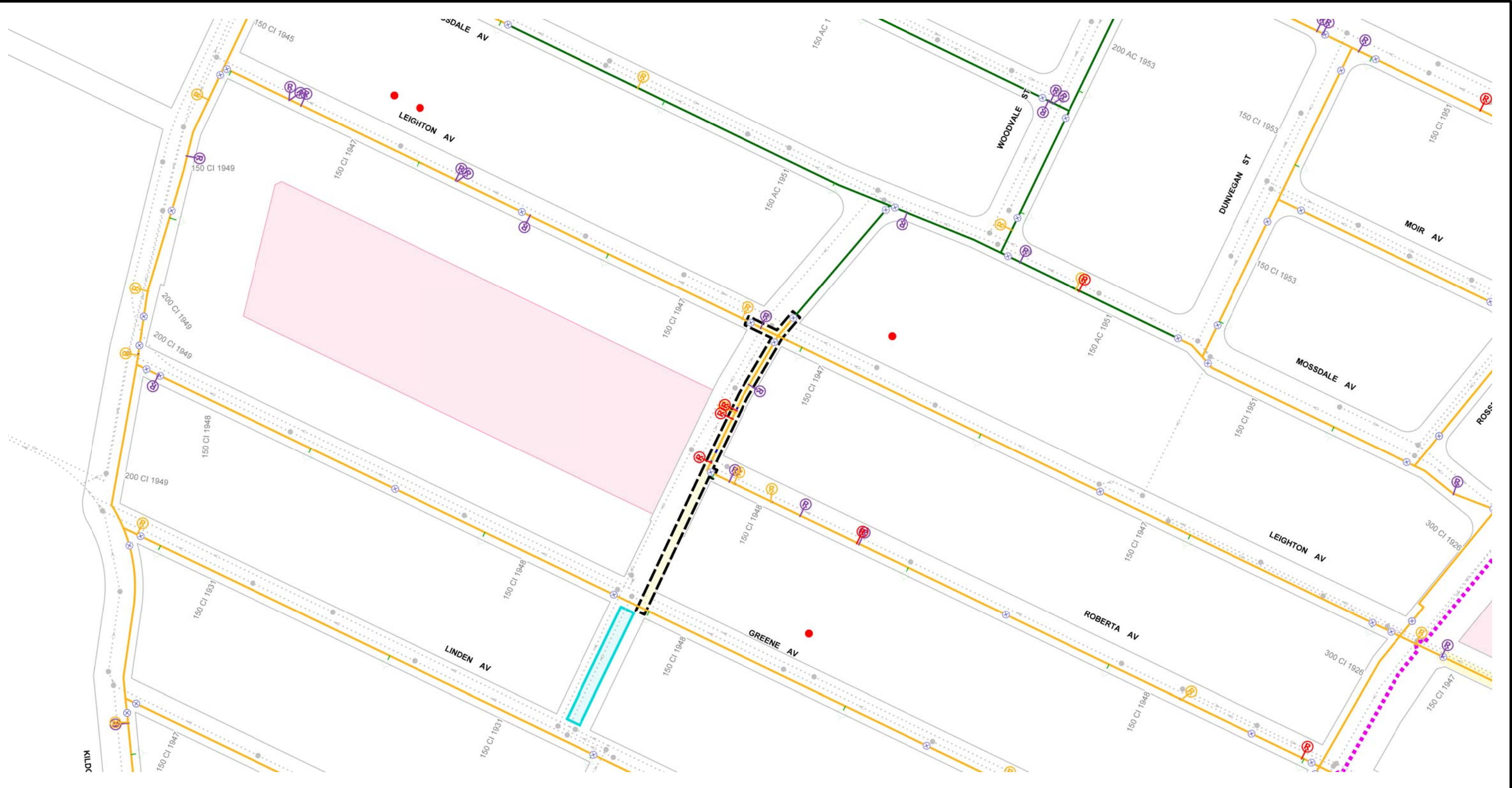
Printed: 10/8/2013





**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 35	Street: RIEL AV
Location Description: DARWIN ST TO GLEN MEADOW ST	
Scale: 1:2000	Renewal Type: WATER PLANNING




	CI WM		REPAIR > 15 YRS		AQUEDUCT		HISTORICAL PROJECTS
	PVC WM		REPAIR > 15 YRS - ABANDON		MANHOLE		2014 PWD PROJECT- LOCAL
	A.C WM		VALVES		SEWER		CATHODIC PROTECTION
	UNKNOWN MATERIAL		REPAIR < 5 YRS		RAILWAY		FIRE PROTECTION UPGRADE
	REPAIR < 5 YRS - ABANDON		FROZEN SERVICE		SCHOOL PARCELS		PROJECTS_2014
	REPAIR 5-15 YRS		HYDRANT				
			HYDRANT BRANCH				

Additional Notes:

ANGUS MCKAY SCHOOL

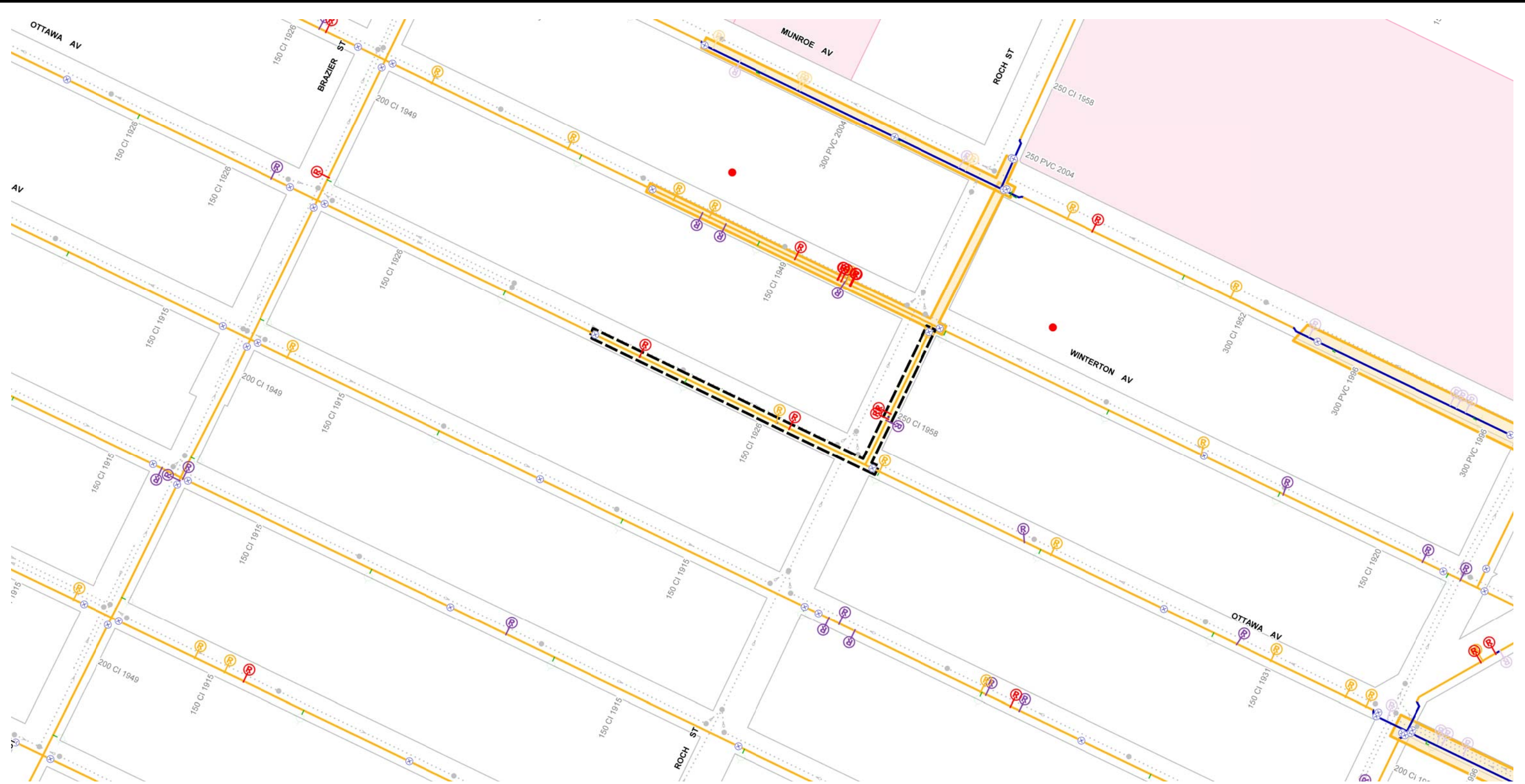
200mm OK FOR WOODVALE. UPSIZE LEIGHTON WEST OF WOODVALE TO 200mm. CAN WE EXPAND THE PROJECT TO INSTALL A 200mm LINK TO GREENE? (AT LEAST LEAVE 200mm STUB FACING SOUTH?)

Printed: 10/7/2013



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 32	Street: WOODVALE ST
Location Description: ROBERTA AV TO LEIGHTON AV	
Scale: 1:2000	Renewal Type: REPAIR COUNT



	CI WM		REPAIR 5-15 YRS - ABANDON		FEEDERMAIN		HISTORICAL PROJECTS
	PVC WM		REPAIR > 15 YRS		AQUEDUCT		2014 PWD PROJECT- LOCAL
	A.C. WM		REPAIR > 15 YRS - ABANDON		MANHOLE		2014 PWD PROJECT - REGIONAL
	UNKNOWN MATERIAL		VALVES		SEWER		CATHODIC PROTECTION
	REPAIR < 5 YRS		FROZEN SERVICE		RAILWAY		FIRE PROTECTION UPGRADE
	REPAIR < 5 YRS - ABANDON		HYDRANT		SCHOOL PARCELS		
	REPAIR 5-15 YRS		HYDRANT BRANCH		PROJECTS_2014		

Additional Notes:
 EXISTING SIZING OK. LEAVE 250mm STUB POINTING SOUTH AT ROCH OR PREFERABLY INSTALL NEW 250 CONNECTION TO WASHINGTON AS PART OF THIS PROJECT.

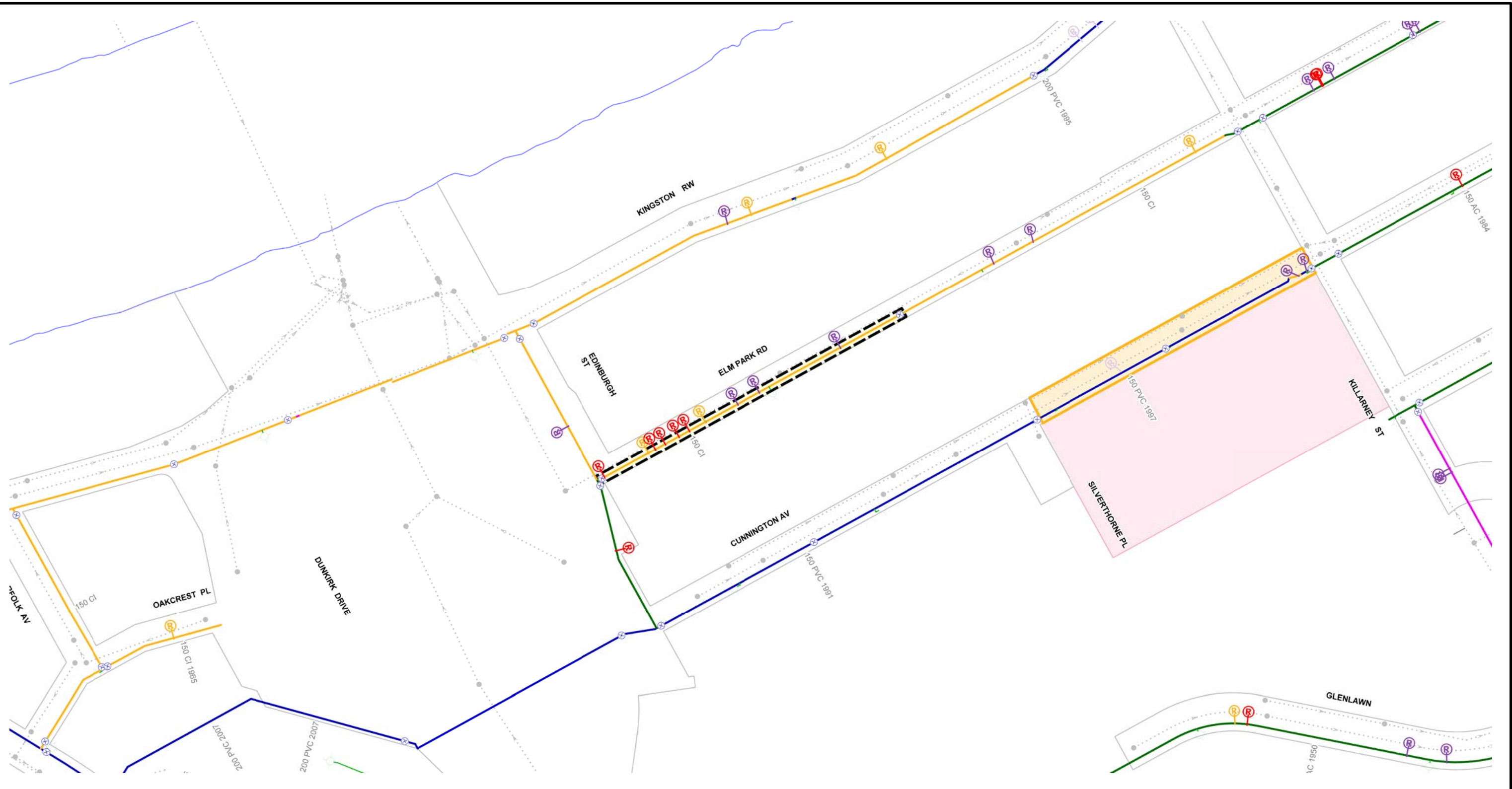
NOTE: THERE IS GOOD PAVEMENT ON ROCH AND WE MAY NOT WANT TO EXTEND LIMITS IF PAVEMENT WILL BE DISTURBED.

Printed: 10/7/2013



**CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 23	Street: ROCH ST/OTTAWA AV
Location Description: ROCH ST AT WINTERTON AV TO MID-BLOCK W ON OTTAWA	
Scale: 1:2000	Renewal Type: REPAIR COUNT



CI WM	REPAIR < 5 YRS	REPAIR < 5 YRS - ABANDON	REPAIR 5-15 YRS	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	FEEDERMAIN	AQUEDUCT	HISTORICAL PROJECTS	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL
PVC WM	REPAIR < 5 YRS - ABANDON	REPAIR 5-15 YRS	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	VALVES	MANHOLE	SEWER	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
A.C WM	REPAIR 5-15 YRS	REPAIR 5-15 YRS - ABANDON	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
UNKNOWN MATERIAL	REPAIR 5-15 YRS	REPAIR 5-15 YRS - ABANDON	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
REPAIR < 5 YRS	REPAIR < 5 YRS - ABANDON	REPAIR 5-15 YRS	REPAIR 5-15 YRS - ABANDON	REPAIR > 15 YRS	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
REPAIR < 5 YRS - ABANDON	REPAIR 5-15 YRS	REPAIR 5-15 YRS - ABANDON	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
REPAIR 5-15 YRS	REPAIR 5-15 YRS - ABANDON	REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	VALVES	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	2014 PWD PROJECT- LOCAL	2014 PWD PROJECT - REGIONAL	CATHODIC PROTECTION
REPAIR > 15 YRS	REPAIR > 15 YRS - ABANDON	VALVES	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	SEWER	RAILWAY	SCHOOL PARCELS	PROJECTS_2014	FIRE PROTECTION UPGRADE
REPAIR > 15 YRS - ABANDON	VALVES	FROZEN SERVICE	HYDRANT	HYDRANT BRANCH	SEWER	RAILWAY	SCHOOL PARCELS	PROJECTS_2014	FIRE PROTECTION UPGRADE	

Additional Notes:
150mm OK



Printed: 10/7/2013



**CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
2014 WATERMAIN RENEWAL PROGRAM**

Location ID: 11

Street: ELM PARK RD

Location Description: EDINBURGH ST TO MID-BLOCK E

Scale: 1:2000

Renewal Type: REPAIR COUNT