

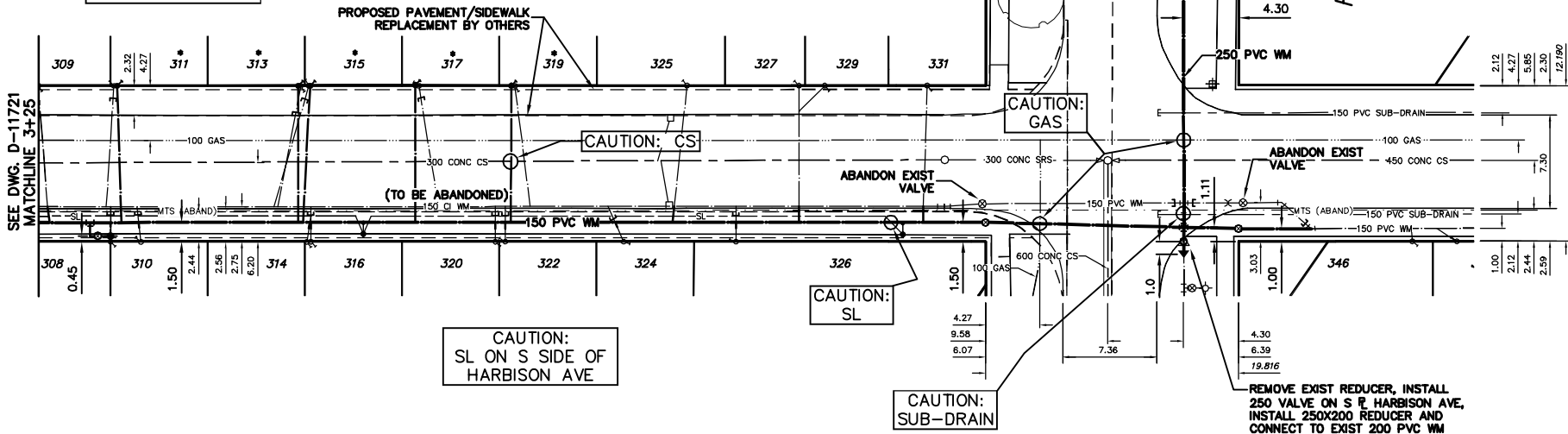
NOTE: CHAINAGES SHOWN ARE ALONG S R OF HARBISON AVE

CAUTION: GAS ON N SIDE OF HARBISON AVE

HARBISON AVENUE (WEST)

SEE DWG. D-11723 FOR CONTINUATION

ROCH ST



CAUTION: SL ON S SIDE OF HARBISON AVE

CAUTION: SL

CAUTION: SUB-DRAIN

REMOVE EXIST REDUCER, INSTALL 250 VALVE ON S R HARBISON AVE, INSTALL 250X200 REDUCER AND CONNECT TO EXIST 200 PVC WM



- CONSTRUCTION NOTES**
1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 2. CONFIRM LOCATION OF ALL SERVICES IN THE FIELD.
 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
 4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 M.
 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO E.
 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

WATER SERVICE INFORMATION					
ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
308 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	0.40 EEL HSE 68.51 WWL ROCH	OPP S/C	RECONNECT SERVICE
309 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	0.72 EWL HSE 74.11 WWL ROCH	0.7 E OF S/C	RECONNECT SERVICE
310 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	0.40 EWL HSE 66.15 WWL ROCH	0.3 W OF S/C	RECONNECT SERVICE
311 HARBISON AVE RESIDENTIAL	12 COPPER	12 LEAD	1.17 WWL HSE 68.26 WWL ROCH	0.6 W OF S/C	RENEW TO R W/20 COPPER
313 HARBISON AVE RESIDENTIAL	16 COPPER	12 LEAD	OPP EL HSE 53.61 WWL ROCH	1.8 W OF S/C	RENEW TO R W/20 COPPER
314 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	OPP EL HSE 53.15 WWL ROCH	0.3 E OF S/C	DEL. SERV. W/316 RECONNECT SERVICE
315 HARBISON AVE RESIDENTIAL	16 COPPER	12 LEAD	1.01 WWL HSE 52.80 WWL ROCH	2.7 W OF S/C	RENEW TO R W/20 COPPER
317 HARBISON AVE RESIDENTIAL	12 COPPER	12 LEAD	1.23 WWL HSE 52.87 WWL ROCH	OPP S/C	DEL. SERV. W/314 RECONNECT SERVICE
319 HARBISON AVE RESIDENTIAL	12 COPPER	12 LEAD	OPP WL HSE 44.27 WWL ROCH	1.5 E OF S/C	RENEW TO R W/20 COPPER
320 HARBISON AVE RESIDENTIAL	12 COPPER	12 LEAD	0.73 WWL HSE 36.83 WWL ROCH	1.2 E OF S/C	RENEW TO R W/20 COPPER
322 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	0.40 EEL HSE 38.34 WWL ROCH	OPP S/C	RECONNECT SERVICE
324 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	1.0 WWL HSE 37.51 WWL ROCH	OPP S/C	RECONNECT SERVICE
325 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	0.59 EWL HSE 28.21 WWL ROCH	1.2 W OF S/C	RECONNECT SERVICE
326 HARBISON AVE RESIDENTIAL	20 COPPER	20 LEAD	5.43 EWL HSE 23.39 WWL ROCH	1.0 W OF S/C	RECONNECT SERVICE
328 HARBISON AVE RESIDENTIAL	20 COPPER	20 LEAD	2.12 EWL HSE 19.81 WWL ROCH	-	RECONNECT SERVICE
327 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	4.14 EWL HSE 14.83 WWL ROCH	OPP S/C	DEL. SERV. W/329 RECONNECT SERVICE
329 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	6.07 EWL HSE 12.53 WWL ROCH	2.0 W OF S/C	DEL. SERV. W/327 RECONNECT SERVICE
331 HARBISON AVE RESIDENTIAL	20 COPPER	12 LEAD	1.73 EWL HSE 4.57 WWL ROCH	0.3 W OF S/C	RECONNECT SERVICE
346 HARBISON AVE RESIDENTIAL	20 COPPER	20 LEAD	5.06 EWL HSE 13.60 EEL ROCH	0.1 W OF S/C	-

* SERVICES TO BE RENEWED TO R UPON CONFIRMATION BY THE CONTRACTOR OF EXISTING LEAD SERVICE. OBTAIN APPROVAL FROM CONTRACT ADMINISTRATOR PRIOR TO RENEWAL.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS



200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	MTS	+	HYDRANT	+
o	VALVE	o	TRAFFIC SIGNALS	o	VALVE	o
525 LDS	LAND DRAINAGE SEWER	525 LDS	GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS
375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR	250 WWS	WASTEWATER SEWER	250 WWS
o	MANHOLE	o	FENCE	o	PROFILE	o
∇	CATCH BASIN	∇	POLE - HYDRO, MTS	∇	GROUND ABOVE PIPE	∇
∇	CURB INLET	∇	CURB STOP	∇	∅ DITCH (NORTH & WEST)	∇
∇	REDUCER	∇	GUY ANCHOR	∇	∅ DITCH (SOUTH & EAST)	∇
X	COUPLER	X	LIGHT STANDARD	∇	GUTTER (NORTH & WEST)	∇
∅	ANODE	∅	TREE	∇	GUTTER (SOUTH & EAST)	∇
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING
				LEGEND-PROFILE	PROPOSED	

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	FIELD BOOK #:
POSTED TO LBS	
NO. REVISIONS	DATE BY

CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION

DESIGNED BY: NC
CHECKED BY: NC

DRAWN BY: C/JH
APPROVED BY: KZ

HOR. SCALE: 1:250
VERTICAL: 1:50

RELEASED FOR CONSTRUCTION

DATE: 2009 03 12

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 09/03/12

BID OPPORTUNITY 196-2009
FILENAME: D-11722.dwg
PLOT DATE: 2009 03 13

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2009 WATERMAIN RENEWALS CONTRACT 4

HARBISON AVENUE (WEST)
75 W OF ROCH STREET TO ROCH STREET

SHEET 5 OF 10
CITY DRAWING NUMBER D-11722