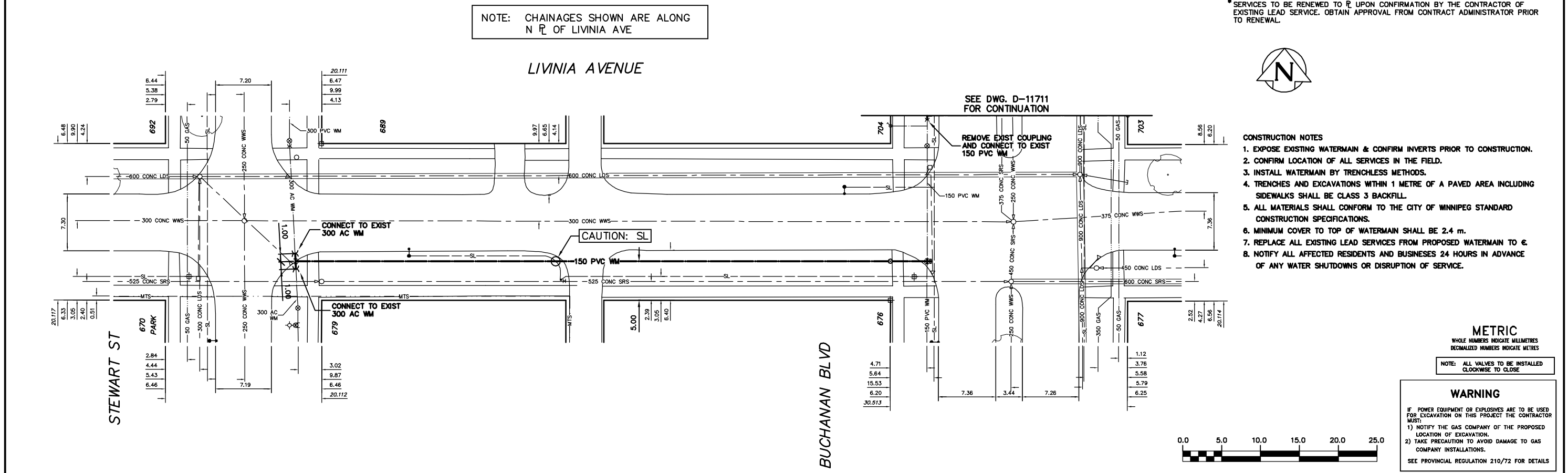


NOTE: CHAINAGES SHOWN ARE ALONG N R OF LIVINIA AVE

WATER SERVICE INFORMATION					
ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CDRP. LOCATION	REMARKS
676 BUCHANAN BV RESIDENTIAL	20 COPPER	20	2.09 NSL HSE 11.56 SSL LIVINIA	2.0 N OF S/C	SERVICED OF BUCHANAN
677 BUCHANAN BV RESIDENTIAL	25 COPPER	25	8.53 NSL HSE 10.49 SSL LIVINIA	0.9 S OF S/C	SERVICED OF BUCHANAN
703 BUCHANAN BV RESIDENTIAL	20 COPPER	20	0.78 NSL HSE 3.68 NSL LIVINIA	-	SERVICED OF BUCHANAN RECONNECT SERVICE
704 BUCHANAN BV RESIDENTIAL	20 COPPER	20	0.94 SSL HSE 2.28 NSL LIVINIA	-	SERVICED OF BUCHANAN EXACT CORP LOCATION UNKNOWN
870 STEWART ST PARK	-	-	-	-	NO SERVICE INFORMATION
879 STEWART ST RESIDENTIAL	20 COPPER	20	2.09 NSL HSE 11.41 SSL LIVINIA	OPP S/C	SERVICED OF STEWART
888 STEWART ST RESIDENTIAL	20 COPPER	20	5.22 NSL HSE 8.0 NSL LIVINIA	2.4 N OF S/C	SERVICED OF STEWART
892 STEWART ST RESIDENTIAL	20 COPPER	20	1.40 NSL HSE 10.04 NSL LIVINIA	0.7 S OF S/C	SERVICED OF STEWART

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

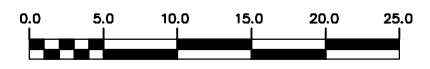


- CONSTRUCTION NOTES**
1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 2. CONFIRM LOCATION OF ALL SERVICES IN THE FIELD.
 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
 4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
 5. ALL 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.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NOTE: ALL VALVES TO BE INSTALLED CLOCKWISE 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	⊕
⊙	VALVE	⊙	TRAFFIC SIGNALS	⊙	VALVE	⊙
—	525 LDS LAND DRAINAGE SEWER	—	GAS	—	525 LDS LAND DRAINAGE SEWER	—
—	375 WWS WASTEWATER SEWER	—	SURVEY BAR	—	375 WWS WASTEWATER SEWER	—
○	MANHOLE	○	FENCE	○	PROFILE	○
□	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	X	GUTTER (NORTH & WEST)	X
⊕	ANODE	⊕	TREE	⊕	GUTTER (SOUTH & EAST)	⊕
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

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: DB
CHECKED BY: NC

DRAWN BY: C/JH
APPROVED BY: KZ

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

RELEASED FOR CONSTRUCTION

DATE: 2009 03 10

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 09/03/10

BID OPPORTUNITY 181-2009
FILENAME: D-11712.dwg
PLOT DATE: 2009 03 10

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2009 WATERMAIN RENEWALS CONTRACT 3
LIVINIA AVENUE STEWART STREET TO BUCHANAN BOULEVARD

SHEET 6 OF 10
CITY DRAWING NUMBER D-11712