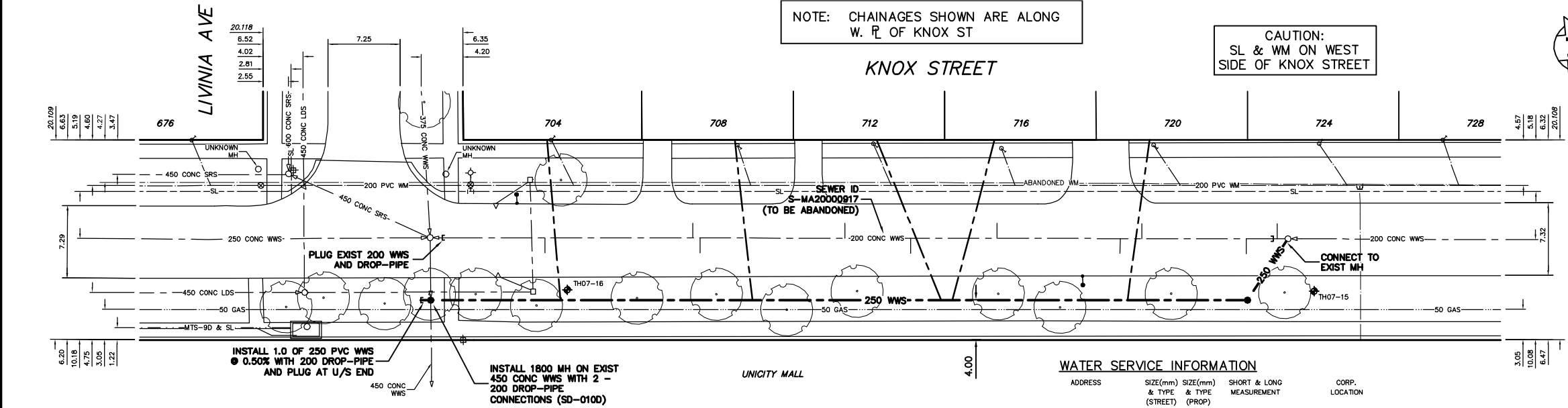


SEWER SERVICE INFORMATION		
ADDRESS	SIZE	R DIST JUNCTION TIE
676 KNOX ST RESIDENTIAL	7.69 S OF NL	22.34 S MH AT LIVINIA
704 KNOX ST RESIDENTIAL	9.83 S OF NL	74.90 S 1ST MH N LIVINIA
708 KNOX ST RESIDENTIAL	7.49 S OF NL	59.25 S 1ST MH N LIVINIA
712 KNOX ST RESIDENTIAL	-	NO INFORMATION AVAILABLE
716 KNOX ST RESIDENTIAL	-	NO INFORMATION AVAILABLE
720 KNOX ST RESIDENTIAL	4.41 N OF SL	-
724 KNOX ST RESIDENTIAL	14.04 S 1ST MH N LIVINIA	-
728 KNOX ST RESIDENTIAL	-	NO INFORMATION AVAILABLE
728 KNOX ST RESIDENTIAL	3.98 N OF SL	-
728 KNOX ST RESIDENTIAL	15.57 N 1ST MH N LIVINIA	-

- CONSTRUCTION NOTES:
- SEWER TO BE RENEWED BY TRENCHLESS METHODS.
 - TRACE AND CONFIRM THE LOCATION OF ALL SEWER SERVICES WITHIN LIMITS OF RENEWAL PRIOR TO EXCAVATION AT R.
 - RENEW SEWER SERVICES TO R.
 - BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 m OF PAVEMENT TO BE CLASS 3.
 - BACKFILL IN BOULEVARD TO BE CLASS 5.
 - SEWER SERVICES TO BE INSTALLED AT A MINIMUM 1.0% SLOPE.
 - SEWER SERVICE RISERS TO BE INSTALLED WHEN SEWER EXCEEDS 4.25 m IN DEPTH.

NOTE: CHAINAGES SHOWN ARE ALONG W. R. OF KNOX ST

CAUTION: SL & WM ON WEST SIDE OF KNOX STREET



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20000917		
DISTANCE FROM MH ID S-MH20000827		
1.1 S	100#	WEST CN
4.2 S	100#	EAST CN
14.7 S	100#	WEST JN
16.9 S	100#	EAST JN
29.3 S	100#	WEST JN
38.0 S	100#	EAST CX
44.6 S	100#	WEST JN
59.2 S	100#	EAST JN
59.9 S	100#	WEST JN
74.8 S	100#	EAST JN

WATER SERVICE INFORMATION				
ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION
676 KNOX ST RESIDENTIAL	20 COPPER	20	3.51 SNL HSE	1.84 N OF S/C
704 KNOX ST RESIDENTIAL	20 COPPER	20	7.20 SSL LIVINIA	2.35 N OF S/C
708 KNOX ST RESIDENTIAL	20 COPPER	20	5.56 NSL HSE	-
712 KNOX ST RESIDENTIAL	20 COPPER	20	8.96 NNL LIVINIA	1.48 N OF S/C
716 KNOX ST RESIDENTIAL	20 COPPER	20	3.96 SNL HSE	2.05 N OF S/C
720 KNOX ST RESIDENTIAL	20 COPPER	20	28.14 NNL LIVINIA	1.59 N OF S/C
724 KNOX ST RESIDENTIAL	20 COPPER	20	5.43 SNL HSE	3.0 N OF S/C
728 KNOX ST RESIDENTIAL	20 COPPER	20	41.82 NNL LIVINIA	3.18 N OF S/C
728 KNOX ST RESIDENTIAL	20 COPPER	20	54.69 NNL LIVINIA	1.56 N OF S/C
728 KNOX ST RESIDENTIAL	20 COPPER	20	2.14 NSL HSE	-
728 KNOX ST RESIDENTIAL	20 COPPER	20	69.98 NNL LIVINIA	-
728 KNOX ST RESIDENTIAL	20 COPPER	20	6.27 SNL HSE	-
728 KNOX ST RESIDENTIAL	20 COPPER	20	86.81 NNL LIVINIA	-
728 KNOX ST RESIDENTIAL	20 COPPER	20	1.96 NSL HSE	-
728 KNOX ST RESIDENTIAL	20 COPPER	20	98.55 NNL LIVINIA	-

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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	525 LDS	GAS	50 GAS	300 LDS	LAND DRAINAGE SEWER
375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR	250 WWS	250 WWS	WASTEWATER SEWER
○	MANHOLE	○	FENCE	⊕	⊕	PROFILE
□	CATCH BASIN	□	POLE - HYDRO, MTS	⊕	⊕	GROUND ABOVE PIPE
▽	CURB INLET	▽	CURB STOP	⊕	⊕	
⊕	JUNCTIONS	⊕	GUY ANCHOR	⊕	⊕	
⊕	CULVERT	⊕	LIGHT STANDARD	⊕	⊕	
⊕	ANODE	⊕	TREE	⊕	⊕	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING
EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.	FIELD BOOK #:
SUPP. 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.		
NO.	REVISIONS	DATE	BY

CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION			
DESIGNED BY	NC	CHECKED BY	TW
DRAWN BY	CJH	APPROVED BY	KZ
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:50		
NO.	REVISIONS	DATE	BY

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 07/10/22

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2007 SEWER RENEWALS
CONTRACT 34
KNOX STREET
1ST MH N OF LIVINIA AVENUE TO MH AT LIVINIA AVENUE

SHEET 5 OF 10
CITY DRAWING NUMBER
06452

BID OPPORTUNITY: 767-2007
FILENAME: 06452.dwg
PLOT DATE: 2007 10 19