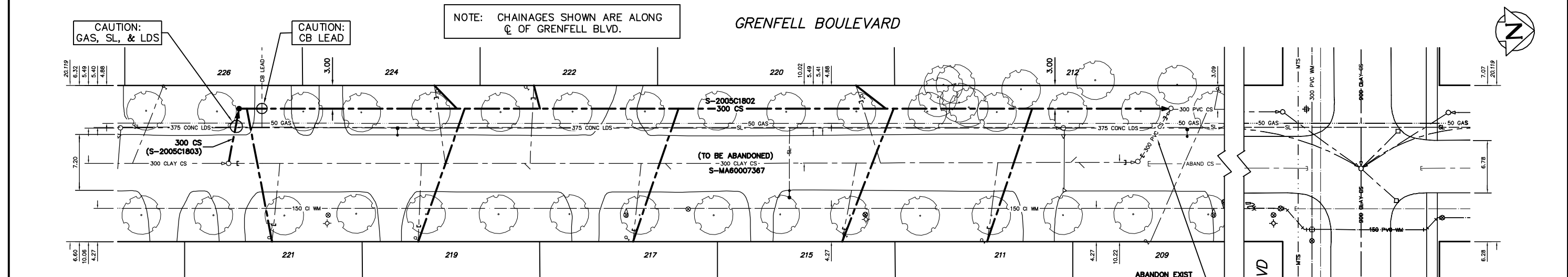
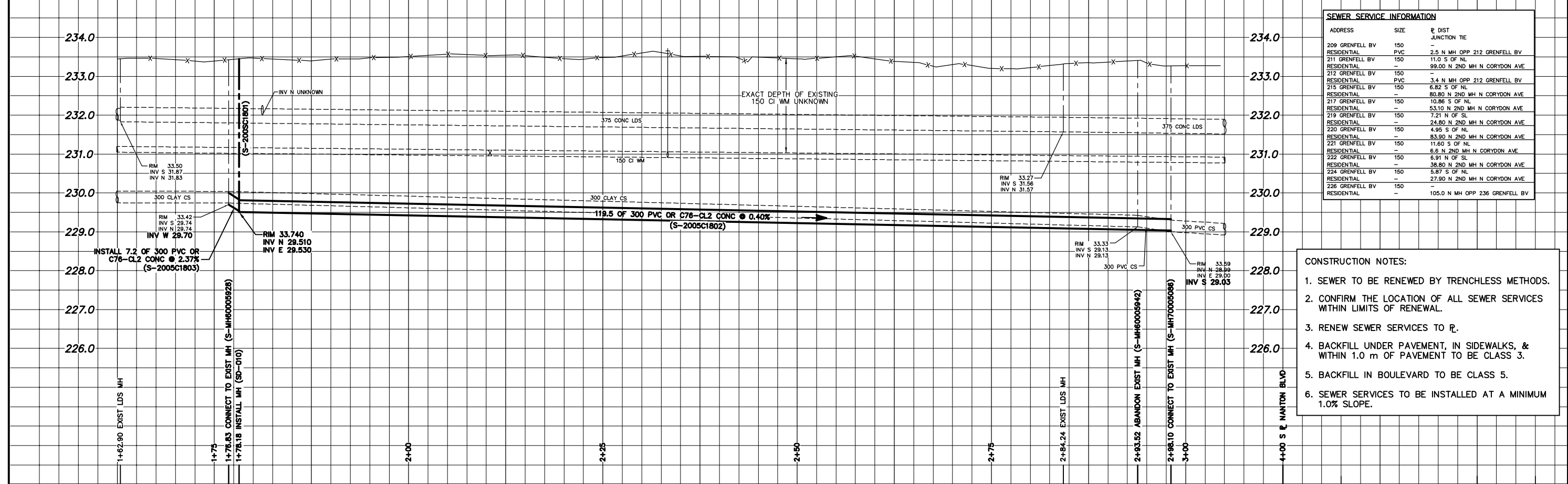


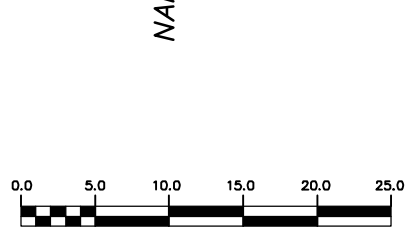
SEWER SERVICE INFORMATION		
ADDRESS	SIZE	R. DIST
209 GRENFELL BV	150	JUNCTION TIE
RESIDENTIAL	PVC	2.5 N MH OPP 212 GRENFELL BV
211 GRENFELL BV	150	11.0 S OF NL
RESIDENTIAL	PVC	99.00 N 2ND MH N CORYDON AVE
212 GRENFELL BV	150	3.4 N MH OPP 212 GRENFELL BV
RESIDENTIAL	PVC	6.82 S OF NL
215 GRENFELL BV	150	80.80 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	10.86 S OF NL
217 GRENFELL BV	150	53.10 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	7.21 N OF SL
219 GRENFELL BV	150	24.80 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	4.95 S OF NL
220 GRENFELL BV	150	83.90 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	11.60 S OF NL
221 GRENFELL BV	150	6.6 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	6.91 N OF SL
222 GRENFELL BV	150	38.80 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	5.87 S OF NL
224 GRENFELL BV	150	27.90 N 2ND MH N CORYDON AVE
RESIDENTIAL	PVC	105.0 N MH OPP 236 GRENFELL BV

- CONSTRUCTION NOTES:**
- SEWER TO BE RENEWED BY TRENCHLESS METHODS.
 - CONFIRM THE LOCATION OF ALL SEWER SERVICES WITHIN LIMITS OF RENEWAL.
 - RENEW SEWER SERVICES TO \varnothing .
 - 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.



WATER SERVICE INFORMATION			
ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT
209 GRENFELL BV	-	-	7.40 NSL HSE
RESIDENTIAL	-	-	115.21 SSL NANTON
211 GRENFELL BV	-	-	10.30 SNL HSE
RESIDENTIAL	-	-	126.26 SSL NANTON
212 GRENFELL BV	20	-	2.29 SNL HSE
RESIDENTIAL	COPPER	-	95.52 SSL NANTON
215 GRENFELL BV	-	-	2.59 SNL HSE
RESIDENTIAL	-	-	143.98 SSL NANTON
217 GRENFELL BV	-	-	3.35 NSL HSE
RESIDENTIAL	-	-	172.04 SSL NANTON
219 GRENFELL BV	-	-	0.88 NSL HSE
RESIDENTIAL	-	-	199.13 SSL NANTON
220 GRENFELL BV	-	-	1.71 NSL HSE
RESIDENTIAL	-	-	141.72 SSL NANTON
221 GRENFELL BV	-	-	5.18 NSL HSE
RESIDENTIAL	-	-	217.95 SSL NANTON
222 GRENFELL BV	-	-	4.42 NSL HSE
RESIDENTIAL	-	-	184.94 SSL NANTON
224 GRENFELL BV	-	-	3.80 SNL HSE
RESIDENTIAL	-	-	196.33 SSL NANTON
226 GRENFELL BV	-	-	3.29 NSL HSE
RESIDENTIAL	-	-	231.55 SSL NANTON

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION S-MA60007367			
DISTANCE FROM MH S-MH60005928			
6.60	N	150	EAST JN
24.80	N	150	EAST CNI
27.90	N	150	WEST CNI
38.10	N	150	EAST JN
38.80	N	150	WEST JN
53.10	N	150	EAST JN
56.20	N	150	EAST JN
80.80	N	150	EAST CNI
83.90	N	150	WEST JN
99.00	N	150	EAST JN
108.40	N	150	WEST CNI
109.40	N	100	EAST CNI



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

<table border="1"> <tr> <td>200 WM</td> <td>WATERMAIN</td> <td>200 WM</td> <td>SL, HYDRO</td> </tr> <tr> <td>525 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>525 LDS</td> <td>50 GAS</td> </tr> <tr> <td>375 WWS</td> <td>WASTEWATER SEWER</td> <td>375 WWS</td> <td>50 GAS</td> </tr> </table>	200 WM	WATERMAIN	200 WM	SL, HYDRO	525 LDS	LAND DRAINAGE SEWER	525 LDS	50 GAS	375 WWS	WASTEWATER SEWER	375 WWS	50 GAS	<table border="1"> <tr> <td>150 WM</td> <td>WATERMAIN</td> <td>150 WM</td> <td>SL, HYDRO</td> </tr> <tr> <td>300 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>300 LDS</td> <td>50 GAS</td> </tr> <tr> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> <td>50 GAS</td> </tr> </table>	150 WM	WATERMAIN	150 WM	SL, HYDRO	300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS	250 WWS	WASTEWATER SEWER	250 WWS	50 GAS	<table border="1"> <tr> <td>150 WM</td> <td>WATERMAIN</td> <td>150 WM</td> <td>SL, HYDRO</td> </tr> <tr> <td>300 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>300 LDS</td> <td>50 GAS</td> </tr> <tr> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> <td>50 GAS</td> </tr> </table>	150 WM	WATERMAIN	150 WM	SL, HYDRO	300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS	250 WWS	WASTEWATER SEWER	250 WWS	50 GAS	<table border="1"> <tr> <td>150 WM</td> <td>WATERMAIN</td> <td>150 WM</td> <td>SL, HYDRO</td> </tr> <tr> <td>300 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>300 LDS</td> <td>50 GAS</td> </tr> <tr> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> <td>50 GAS</td> </tr> </table>	150 WM	WATERMAIN	150 WM	SL, HYDRO	300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS	250 WWS	WASTEWATER SEWER	250 WWS	50 GAS	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>NO. REVISIONS: _____ DATE: _____ BY: _____</p>	<p>B.M. ELEV. _____ FIELD BOOK # _____</p> <p>POSTED TO LISB: _____</p>	<p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY: NC CHECKED BY: TW</p> <p>DRAWN BY: CJH APPROVED BY: KZ</p> <p>HOR. SCALE: 1:250 VERTICAL: 1:50</p> <p>RELEASED FOR CONSTRUCTION: _____</p> <p>DATE: 2005 12 08</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY K.R. ZUREK 05/12/07</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2005 SEWER RENEWALS AND SEWER REPAIRS CONTRACT 18</p> <p>GRENFELL BOULEVARD</p> <p>2ND MH N CORYDON AVENUE TO 3RD MH N CORYDON AVENUE</p>	<p>SHEET 8 OF 10</p> <p>CITY DRAWING NUMBER: 05707</p>
200 WM	WATERMAIN	200 WM	SL, HYDRO																																																						
525 LDS	LAND DRAINAGE SEWER	525 LDS	50 GAS																																																						
375 WWS	WASTEWATER SEWER	375 WWS	50 GAS																																																						
150 WM	WATERMAIN	150 WM	SL, HYDRO																																																						
300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS																																																						
250 WWS	WASTEWATER SEWER	250 WWS	50 GAS																																																						
150 WM	WATERMAIN	150 WM	SL, HYDRO																																																						
300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS																																																						
250 WWS	WASTEWATER SEWER	250 WWS	50 GAS																																																						
150 WM	WATERMAIN	150 WM	SL, HYDRO																																																						
300 LDS	LAND DRAINAGE SEWER	300 LDS	50 GAS																																																						
250 WWS	WASTEWATER SEWER	250 WWS	50 GAS																																																						