

SEWER CONNECTION DATA				
ADDRESS	SIZE	PROPERTY LINE INVERT	PROPERTY LINE TIE	JUNCTION TIE
No. 890 BURROWS AV	150	UNKNOWN	2.7 EWL	10.0 TO DS MH
No. 889	150	UNKNOWN	3.0 EWL	11.2 TO DS MH
No. 888	150	UNKNOWN	3.7 EWL	21.7 TO DS MH
No. 887	150	UNKNOWN	1.8 EWL	21.0 TO DS MH
No. 884	150	UNKNOWN	5.0 EWL	31.6 TO DS MH
No. 883	150	UNKNOWN	1.8 EWL	31.1 TO DS MH
No. 880	150	UNKNOWN	1.7 EWL	49.5 TO DS MH
No. 876	150	UNKNOWN	2.4 EWL	51.2 TO DS MH
No. 872	150	UNKNOWN	1.9 EWL	61.6 TO DS MH
No. 869	150	UNKNOWN	4.4 EWL	40.7 TO DS MH
No. 868	150	UNKNOWN	2.6 EWL	71.4 TO DS MH
No. 867	150	UNKNOWN	2.8 EWL	50.6 TO DS MH
No. 865	150	UNKNOWN	@WL	61.2 TO DS MH
No. 859	150	UNKNOWN	3.2 EWL	70.9 TO DS MH
No. 857	150	UNKNOWN	6.8 WWL	70.9 TO DS MH
No. 855	150	UNKNOWN	3.3 EWL	91.0 TO DS MH
No. 853	150	UNKNOWN	2.4 EWL	1.9 TO DS MH
No. 852	150	UNKNOWN	12.7 EWL	91.7 TO DS MH
No. 849	150	UNKNOWN	5.0 EWL	10.4 TO DS MH
No. 847	150	UNKNOWN	5.0 WWL	10.4 TO DS MH
No. 846	150	UNKNOWN	12.6 EWL	51.2 TO DS MH
No. 845	150	UNKNOWN	5.7 EWL	30.8 TO DS MH
No. 839	150	UNKNOWN	3.1 EWL	40.8 TO DS MH
No. 837	150	UNKNOWN	3.6 EWL	51.3 TO DS MH
No. 835	150	UNKNOWN	1.1 EWL	61.3 TO DS MH
No. 834	150	UNKNOWN	1.0 EWL	81.3 TO DS MH
No. 833	150	UNKNOWN	5.7 EWL	71.0 TO DS MH
No. 832	150	UNKNOWN	1.0 EWL	81.3 TO DS MH
No. 831	SERVICED OFF OF SINCLAIR ST			

**CONSTRUCTION NOTES**

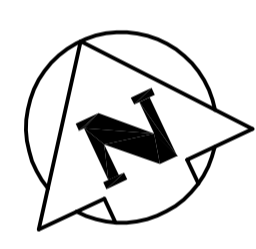
- ALL BACKFILL UNDER PAVEMENT TO BE CLASS 3.
- ALL BACKFILL IN BOULEVARDS TO BE CLASS 5.
- ALL BACKFILL IN SIDEWALKS TO BE CLASS 3.
- ALL PIPE UNDER EXISTING PAVEMENT OR OTHER SURFACE OBSTRUCTIONS TO BE INSTALLED USING TRENCHLESS METHODS. WHERE NOT POSSIBLE, OPEN CUT WITH CLASS 3 BACKFILL.
- CONTRACTOR SHALL RENEW ALL SEWER SERVICES TO THE PROPERTY LINE.
- ALL CATCHBASIN LEADS TO BE 250mm AT A MINIMUM 1.0% UNLESS OTHERWISE NOTED.
- CONTRACTOR TO CONFIRM LOCATION OF ALL SEWER AND WATER SERVICES.

CATCHBASIN INFORMATION	
CATCHBASIN NUMBER	ADDITIONAL INFORMATION
CB 1	REPLACE TOP 0.6 RISER.
CB 2	REPLACE FRAME & COVER. REPLACE TOP 0.6 RISER. INSTALL 4 RUNGS.
CB 3	REPLACE FRAME & COVER. INSTALL 4 RUNGS.
CB 4	GROUT TOP 0.6 RISER. INSTALL 4 RUNGS.
CB 5	GROUT TOP 0.3 RISER. INSTALL 4 RUNGS.
CB 6	REPLACE TOP 0.3 RISER. INSTALL 4 RUNGS.
CB 7	INSTALL 4 RUNGS.
CB 8	INSTALL 3 RUNGS.
CB 9	NO REPAIRS REQUIRED.

MANHOLE INFORMATION		
MANHOLE NUMBER	MANHOLE TYPE	ADDITIONAL INFORMATION
17637	CONCRETE	REPLACE FRAME AND COVER, INSTALL 10 STEPS, REPLACE TOP 0.45 OF RISER

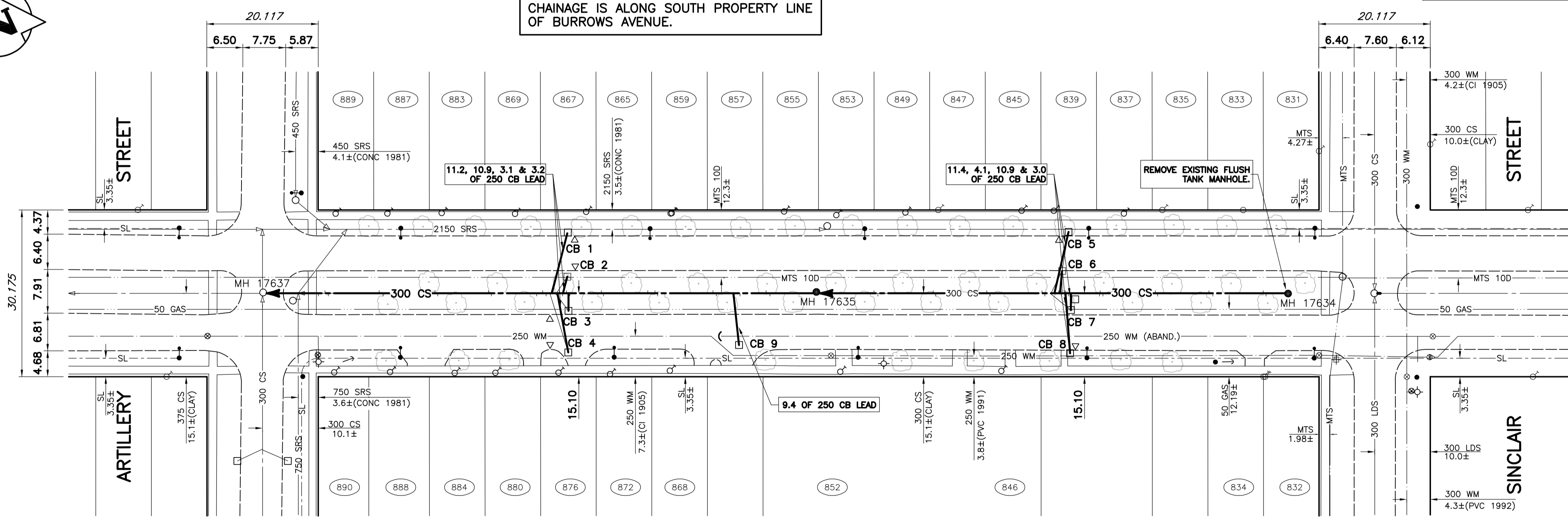
**APEGN**  
 Certificate of Authorization  
 Wardrop Engineering Inc.  
 No. 195 Expiry: April 30, 2005

DWG NORTH



NOTE:  
CHAINAGE IS ALONG SOUTH PROPERTY LINE OF BURROWS AVENUE.

NOTE  
ON-LINE RENEWAL



**BURROWS AVENUE**

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	BEND			ANCHOR		
400 FM	FEEDERMAIN	400 FM	TEE			TREE		
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP			LEGAL DIMENSION		
250 WWS	WASTEWATER SEWER	250 WWS	PLUG			SURVEY BAR		
300 CS	COMBINED SEWER	300 CS	MANHOLE			TRAFFIC SIGNAL		
200 FCM	FORCEMAIN	200 FCM	CATCHBASIN			GAS		
	JUNCTIONS		CURB INLET			HYDRO		
	HYDRANT		ADDRESS			MTS		
	VALVE		HYDRO POLE			SIDEWALK		
	REDUCER		LIGHT STANDARD			CURB		

**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES DATE COMMITTEE

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. CITY OF WINNIPEG 25-017  
ELEV. 31.977m

F.B. 2031

NO.	REVISIONS	DATE	BY

**WARDROP** Engineering Inc.

DESIGNED BY GEL	CHECKED BY HAK
DRAWN BY GEL	APPROVED BY E. SHARP
HOR. SCALE: 1 : 500	RELEASED FOR CONSTRUCTION K. ZUREK
VERTICAL: 1 : 50	DATE 04.04.20
DATE 04.04.20	DATE 04.07.19

ORIGINAL DRAWING REVISION "L" SEALED BY HARTLEY KATZ 04.07.19

CONSULTANT DRAWING NO. 0400120800-DWG-C1009

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

2004 COMBINED SEWER RENEWALS FULL SEGMENT REPLACEMENT

**BURROWS AVENUE**  
 MANHOLE AT ARTILLERY STREET TO 1ST MANHOLE WEST OF SINCLAIR STREET

CITY DRAWING NUMBER 05422  
 SHEET 9 OF 11  
 C1009