

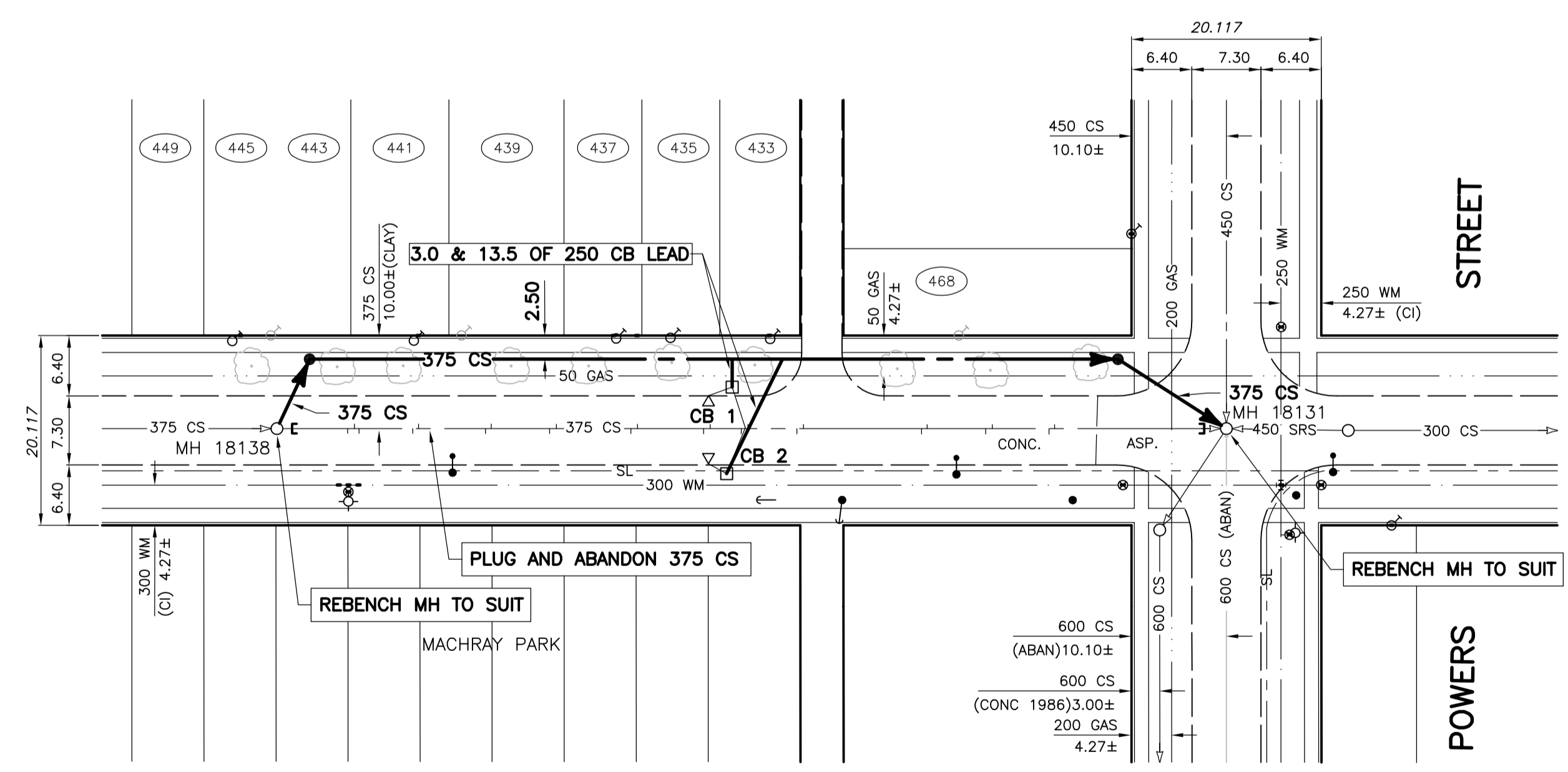
NOTE:
CHAINAGE IS ALONG SOUTH PROPERTY LINE
OF CHURCH AVENUE.

NOTE
OFF-LINE RENEWAL

SEWER CONNECTION DATA				
ADDRESS	SIZE	PROPERTY LINE INVERT	PROPERTY LINE TIE	JUNCTION TIE
No. 443 CHURCH AV	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
No. 441	150	UNKNOWN	3.2 WEL	85.5 TO DS MH
No. 439	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
No. 437	150	UNKNOWN	0.5 WEL	62.4 TO DS MH
No. 435	150	UNKNOWN	1.0 WEL	54.7 TO DS MH
No. 433	150	UNKNOWN	0.3 EEL	44.8 TO DS MH
No. 468 POWERS ST	150	UNKNOWN	14.7 WEL	24.8 TO DS MH

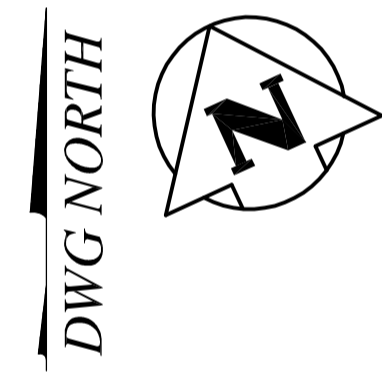
CONSTRUCTION NOTES

- 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.
- SEWER TO BE ABANDONED WITH FLOWABLE FILL.
- CONTRACTOR TO CONFIRM LOCATION OF ALL SEWER AND WATER SERVICES.



MANHOLE INFORMATION		
MANHOLE NUMBER	MANHOLE TYPE	ADDITIONAL INFORMATION
18131	PRECAST	INSTALL 2 RUNGS.
18138	PRECAST	GROUT UNDER FRAME, REPLACE & GROUT 5 STIRRUPS.

CATCHBASIN INFORMATION	
CATCHBASIN NUMBER	ADDITIONAL INFORMATION
CB 1	REPLACE TOP 1.2 RISER. INSTALL HOOD. INSTALL 5 RUNGS.
CB 2	INSTALL HOOD. INSTALL 2 RUNGS.



EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	BEND	BEND	ANCHOR	ANCHOR	ANCHOR	ANCHOR
400 FM	FEEDERMAIN	400 FM	TEE	TEE	TREE	TREE	TREE	TREE
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP	CURB STOP	LEGAL DIMENSION	LEGAL DIMENSION	LEGAL DIMENSION	LEGAL DIMENSION
250 WWS	WASTEWATER SEWER	250 WWS	PLUG	PLUG	SURVEY BAR	SURVEY BAR	SURVEY BAR	SURVEY BAR
300 CS	COMBINED SEWER	300 CS	MANHOLE	MANHOLE	TRAFFIC SIGNAL	TRAFFIC SIGNAL	TRAFFIC SIGNAL	TRAFFIC SIGNAL
200 FCM	FORCEMAIN	200 FCM	CATCHBASIN	CATCHBASIN	GAS	GAS	GAS	GAS
	JUNCTIONS		CURB INLET	CURB INLET	HYDRO	HYDRO	HYDRO	HYDRO
	HYDRANT		ADDRESS	ADDRESS	MTS	MTS	MTS	MTS
	VALVE		HYDRO POLE	HYDRO POLE	SIDEWALK	SIDEWALK	SIDEWALK	SIDEWALK
	REDUCER		LIGHT STANDARD	LIGHT STANDARD	CURB	CURB	CURB	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 26-033	F.B. 2031
ELEV. 31.031m	
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
VERTICAL: 1 : 50	K. ZUREK
DATE 04.07.07	DATE 04.07.19

ORIGINAL DRAWING REVISION " - " SEALED BY HARTLEY KATZ 04.07.19

CONSULTANT DRAWING NO. 0400120800-DWG-C1007

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2004 COMBINED SEWER RENEWALS FULL SEGMENT REPLACEMENT

CHURCH AVENUE
1st MANHOLE EAST OF ANDREWS STREET TO MANHOLE AT POWERS STREET

CITY DRAWING NUMBER 05417
SHEET 7 OF 11
C1007