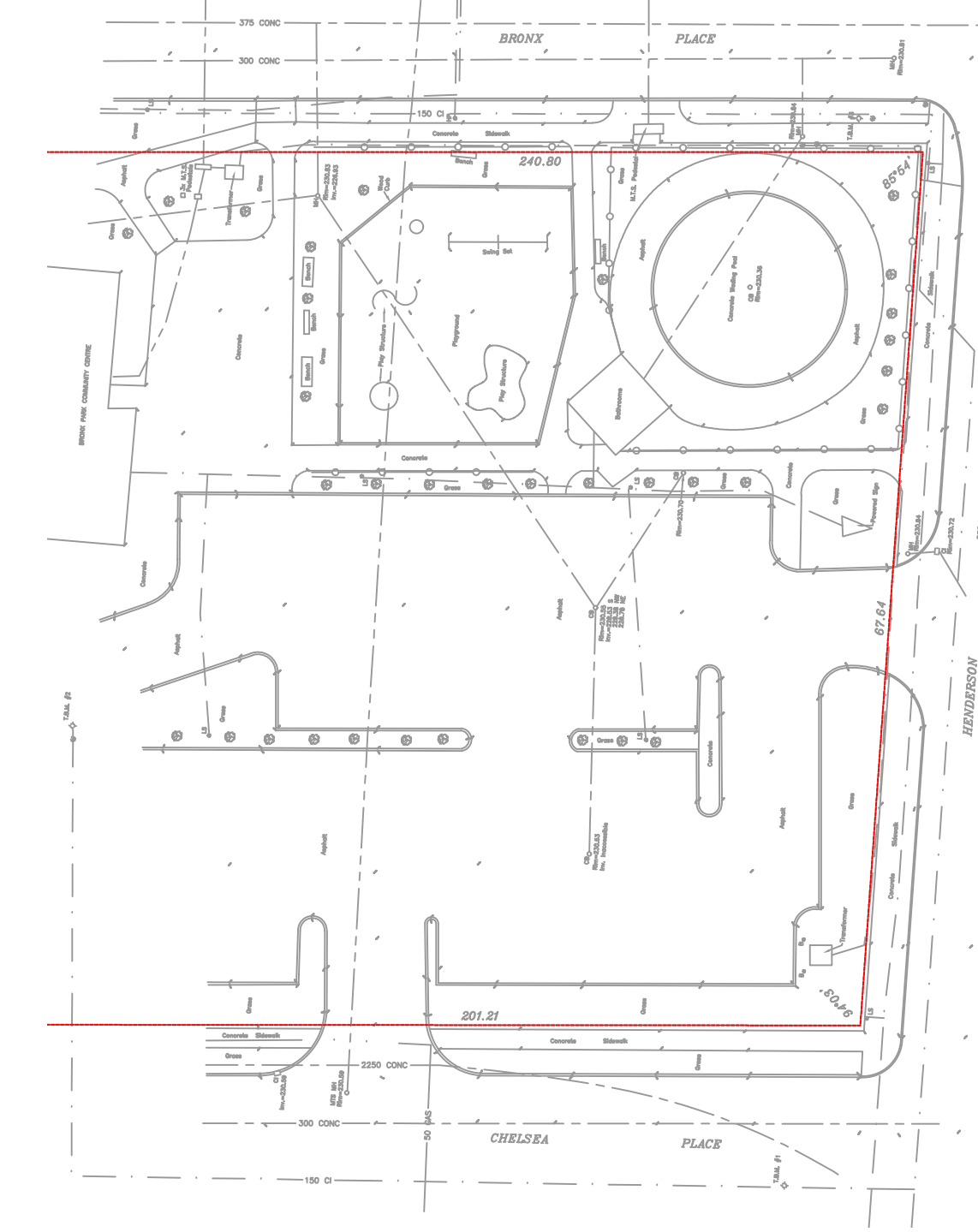


NOTE:
 OUTDOOR SPRAY FEATURES SHALL BE EQUIPPED WITH RAIN SENSING DEVICES AS NOT TO ALLOW ADDITIONAL FLOWS INTO THE COMBINED SEWER DURING RAINFALL EVENTS. SUPPLIER TO PROVIDE PRODUCT SPECIFICATIONS.
 - SUPPLIER TO PROVIDE DWG OUTLINE OF SPRAY PATTERNS FOR INCORPORATION INTO CIVIL PLAN.
 - SUPPLIER TO PROVIDE ESTIMATED FLOW GENERATED BY SPRAY FEATURES.
 - TOTAL WASTEWATER VOLUME PRODUCED BY SPRAY FEATURES NOT TO EXCEED 150,000 L PER DAY



KEY PLAN
 EXISTING CONDITIONS
 1:500

PLAN
 SERVICING
 1:100

WWS Flow Estimation - Pre-Development
 Existing Uses: Wading Pool

Pre-Development Wastewater Flow Estimates		
Site		
Site Information		
Area	0.0172	ha
Use	Wading Pool	
Estimated Flow		
Hours of Operation	12.0	hr/day
Refresh Time	3.0	hours
Wadding Pool Volume	30000.0	L
Daily Wastewater Volume	150000.0	L
Wastewater Flow	3.5	lps
Pre WW Volume	150000.0	L

WWS Flow Estimation - Post-Development
 Proposed Uses: Spray Pad

Proposed Development Wastewater Flow Estimates		
Site		
Site Information		
Area	0.0172	ha
Use	Spray Pad	
Daily Wastewater Volume	150000.0	lps
Post WW Volume	150000.0	L
WWV Increase	0.0	L

*Note:
 - Hours of operation estimated as 12/day from mid-June to mid-September
 - Refresh time is the number of hours in which the entire volume of the wading pool is drained during regular hours of operation.
 - Wadding pool volume is estimated based on surveyed extents of the existing pool. Pool is assumed to only be filled to the bottom of the perimeter curbing to be conservative.

ENGINEERS
 D. W. HANES
 Member
 32664
 Certificate of Authorization
 7076796 Manitoba Inc.
 o/a Sandbox Design & Consulting
 No. 7261

This is not a legal plan.
 Contours shown are approximated for reference only.
 Whole numbers are millimetres (mm).
 Decimal numbers are metres (m).
 Convert Metric to Standard 1.0m = 3.2808ft
 This plan is prepared only for the Client and may not be used by any other party without written consent.

EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED
1.98	SLOPE DIRECTION	2.98%	HYDRANT		CONTOUR
(394.98)	SURFACE ELEV.	(239.45)	CURB STOP		PONDING AREA
150 WM	WATERMAIN	150 WM	VALVE	-ELEC-	ELEC
250 WWS	WASTEWATER SEWER	250 WWS	WWS MANHOLE	-GAS-	GAS
300 LDS	LAND DRAINAGE SEWER	300 LDS	LDS CATCHBASIN	-COMM-	COMMUNICATIONS
			LDS MANHOLE		TOPO SURVEY POINT

APPROVING AUTHORITY STAMP

B.M.	TOP OF FH	ELEV.
	231.650	

Sandbox
 DESIGN & CONSULTING

DESIGNED BY	KP	CHECKED BY	DH
DRAWN BY	KP	APPROVED BY	DH
HOR. SCALE:	AS SHOWN	RELEASED FOR CONSTRUCTION:	
DATE	2024-02-02	DATE	

ENGINEER'S SEAL

CITY OF WINNIPEG
 DEAN SPEARMAN

SERVICING PLAN
BRONX PARK SPRAY PAD
 720 HENDERSON HIGHWAY, WINNIPEG, MB

SHEET	OF
1	1
CAD FILE DRAWING NUMBER	23002-C-R2
PROJECT CODE	23-002