

APPENDIX A

**POPULATION STUDY
MONTREAL AND ENVIRONS**

**POPULATION STUDY
MONTREAL AND ENVIRONS**

Population of the Inner Area

	Actual					Estimated	
	1911	1921	1931	1941	1951	1961	1971
CITIES							
Montreal	489,504	618,506	818,577	903,007	1,021,520	1,160,000	1,290,000
Lachine	10,699	15,404	18,630	20,051	27,773	37,000	41,000
Outremont	4,820	13,249	28,641	30,751	30,057	30,500	31,000
Verdun	11,629	25,001	60,745	67,349	77,391	85,000	88,000
Westmount	14,579	17,593	24,235	26,047	25,222	25,400	25,500
TOWNS							
Hampstead		53	594	1,974	3,260	4,500	5,000
Lasalle		726	2,362	4,651	11,633	20,000	35,000
Montreal North		1,360	4,519	6,152	14,081	25,000	35,000
Montreal West	703	1,882	3,190	3,474	3,721	4,000	4,500
Mount Royal		160	2,174	4,888	11,352	20,000	30,000
St. Laurent	1,860	3,232	5,348	6,242	20,426	40,000	65,000
St. Leonard-de-Port-Maurice		462	453	518	742	1,000	6,000
St. Michel		493	1,528	2,956	10,539	20,000	35,000
St. Pierre	2,201	3,535	4,185	4,061	4,976	5,200	5,300
VILLAGES							
Cote St. Luc	303	377	490	776	1,083	3,000	20,000
PARISHES							
St. Jean-de-Dieu	2,494	3,371	4,578	7,276	6,899	7,000	7,000
Notre-Dame-de-Liesse			1,621	1,629	1,392	1,500	1,700
St. Laurent	2,228	1,829	1,230	1,151	1,473	10,900	25,000
Total Inner Area	541,020	707,233	983,100	1,092,953	1,273,540	1,500,000	1,750,000

**POPULATION STUDY
MONTREAL AND ENVIRONS**

Distribution of Population in the Inner Area

	Actual			Estimated	
	1931	1941	1951	1961	1971
WEST OF ST. LAWRENCE BLVD.					
Montreal City	321,551	359,708	423,920	503,000	580,000
Lachine	18,630	20,051	27,773	37,000	41,000
Outremont	28,641	30,751	30,057	30,500	31,000
Verdun	60,745	67,349	77,391	85,000	88,000
Westmount	24,235	26,047	25,222	25,400	25,500
Hampstead	594	1,974	3,260	4,500	5,000
LaSalle	2,362	4,651	11,633	20,000	35,000
Montreal West	3,190	3,474	3,721	4,000	4,500
Mount Royal	2,174	4,888	11,352	20,000	30,000
St. Laurent	5,348	6,242	20,426	40,000	65,000
St. Pierre	4,185	4,061	4,976	5,200	5,300
Cote St. Luc	490	776	1,083	3,000	20,000
Notre-Dame-de-Liesse	1,621	1,629	1,392	1,500	1,700
St. Laurent Parish	1,230	1,151	1,473	10,900	25,000
Total	474,996	532,752	643,679	790,000	957,000
Percent of Total Inner Area	48.5	48.8	50.5	52.6	54.8
EAST OF ST. LAWRENCE BLVD.					
Montreal City	497,026	543,299	597,600	657,000	710,000
Montreal North	4,519	6,152	14,081	25,000	35,000
St. Leonard-de-Port-Maurice	453	518	742	1,000	6,000
St. Michel	1,528	2,956	10,539	20,000	35,000
St. Jean-de-Dieu	4,578	7,276	6,899	7,000	7,000
Total	508,104	560,201	629,861	710,000	793,000
Percent of Total Inner Area	51.5	51.2	49.5	47.4	45.2

**POPULATION STUDY
MONTREAL AND ENVIRONS**

Growth in Inner Area

	Actual					Estimated	
	<u>1911</u>	<u>1921</u>	<u>1931</u>	<u>1941</u>	<u>1951</u>	<u>1961</u>	<u>1971</u>
TOTAL INNER AREA							
Population	541,020	707,233	983,100	1,092,953	1,273,540	1,500,000	1,750,000
Ten-year Growth		166,213	275,867	109,853	180,587	226,460	250,000
CITY OF MONTREAL							
Population	489,504	618,506	818,577	903,007	1,021,520	1,160,000	1,290,000
Ten-year Growth		129,002	200,071	84,430	118,513	138,480	130,000
Percent of Inner Area		77.6	72.6	77.0	65.6	61.0	52.0
BALANCE OF INNER AREA							
Population	51,516	88,727	164,523	189,946	252,020	340,000	460,000
Ten-year Growth		37,211	75,796	25,423	62,074	87,980	120,000
Percent of Inner Area		22.4	27.4	23.0	34.4	39.0	48.0

**POPULATION STUDY
MONTREAL AND ENVIRONS**

Distribution of Growth in the Inner Area

	Actual		Estimated	
	1931-41	1941-51	1951-61	1961-71
WEST OF ST. LAWRENCE BLVD.				
Montreal City	38,157	64,212	79,080	77,000
Other Municipalities	19,599	46,715	67,241	90,000
Total	57,756	110,927	146,321	167,000
Percent Montreal City of Total	66.0	58.0	54.0	46.0
EAST OF ST. LAWRENCE BLVD.				
Montreal City	46,273	54,301	59,400	53,000
Other Municipalities	5,824	15,359	20,739	30,000
Total	52,097	69,660	80,139	83,000
Percent Montreal City of Total	89.0	77.0	74.0	64.0
TOTAL INNER AREA				
Montreal City	84,430	118,513	138,480	130,000
Other Municipalities	25,423	62,074	87,980	120,000
Total	109,853	180,587	226,460	250,000
Percent Montreal City of Total	77.0	66.0	61.0	52.0
PERCENT OF TOTAL MONTREAL CITY GROWTH				
West of St. Lawrence Blvd.	45	54	57	59
East of St. Lawrence Blvd.	55	46	43	41
Total Inner Area	100	100	100	100

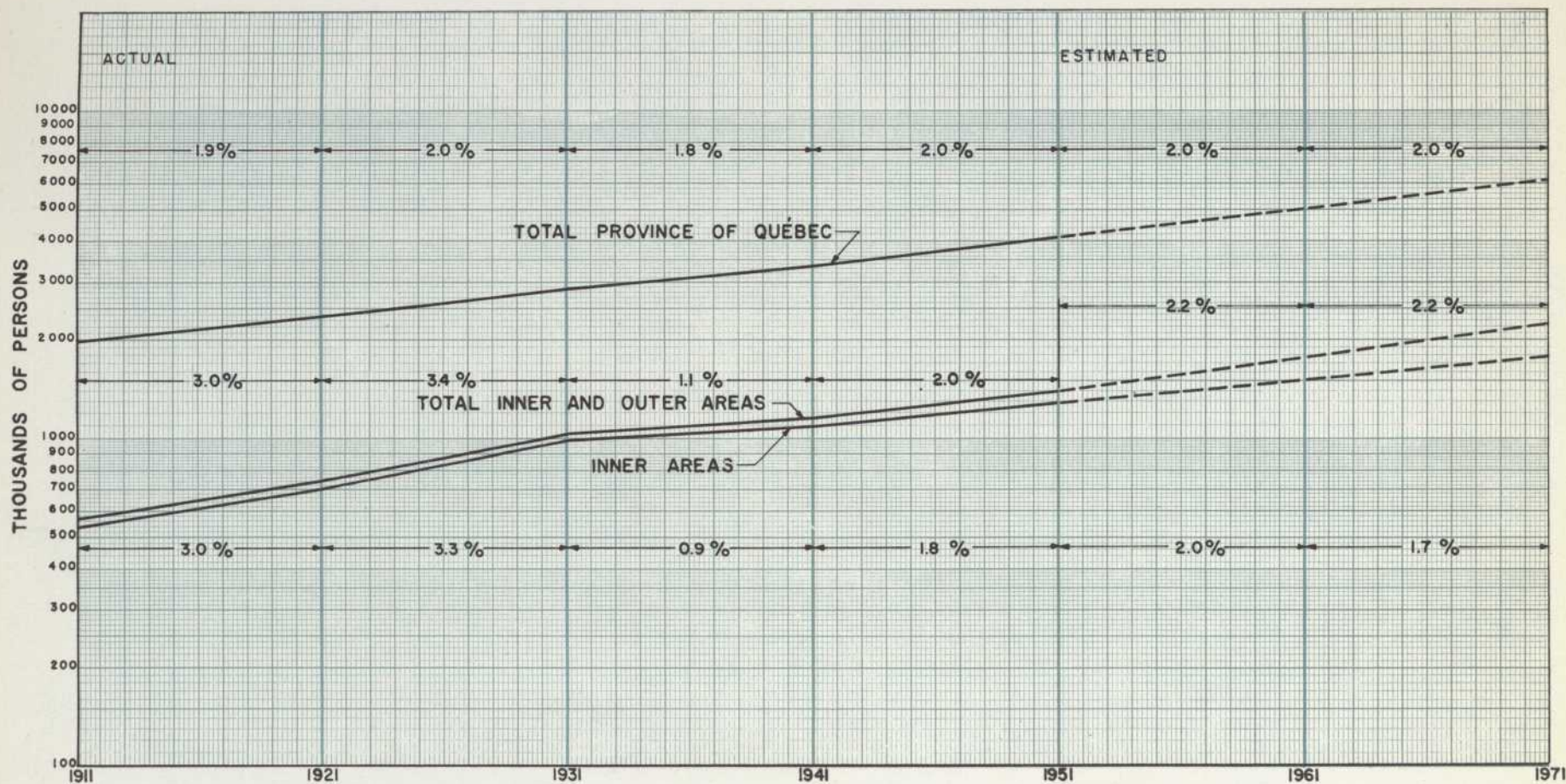
**POPULATION STUDY
MONTREAL AND ENVIRONS**

Actual Population of the Outer Area

	1911	1921	1931	1941	1951
NORTH SHORE					
<i>Towns</i>					
Laval-des-Rapides	1,014	1,989	2,716	3,242	4,998
<i>Villages</i>					
L'Abord-a-Plouffe		1,011	1,227	1,773	4,604
Ste. Dorothee					726
<i>Parishes</i>					
Pont Viau			1,091	1,342	5,129
Ste. Dorothee	900	992	1,265	1,688	1,820
St. Elzear-de-Laval	920	871	744	925	1,596
St. François-de-Sales	941	807	701	1,161	1,275
St. Martin	1,954	1,515	1,825	2,095	3,128
St. Vincent-de-Paul	2,914	3,571	3,243	4,275	5,901
Total	8,643	10,756	12,812	16,501	29,177
EASTERN SECTION					
<i>Towns</i>					
Montreal East	210	1,776	2,242	2,355	4,513
Point-aux-Trembles	1,517	1,811	2,970	4,314	8,241
<i>Parishes</i>					
St. Joseph de la Rivière-des-Prairies	638	585	595	912	4,072
St. Leonard-de-Port-Maurice	1,268	326	280	340	1,501
Total	3,633	4,498	6,087	7,921	18,327

Actual Population of the Outer Area (Continued)

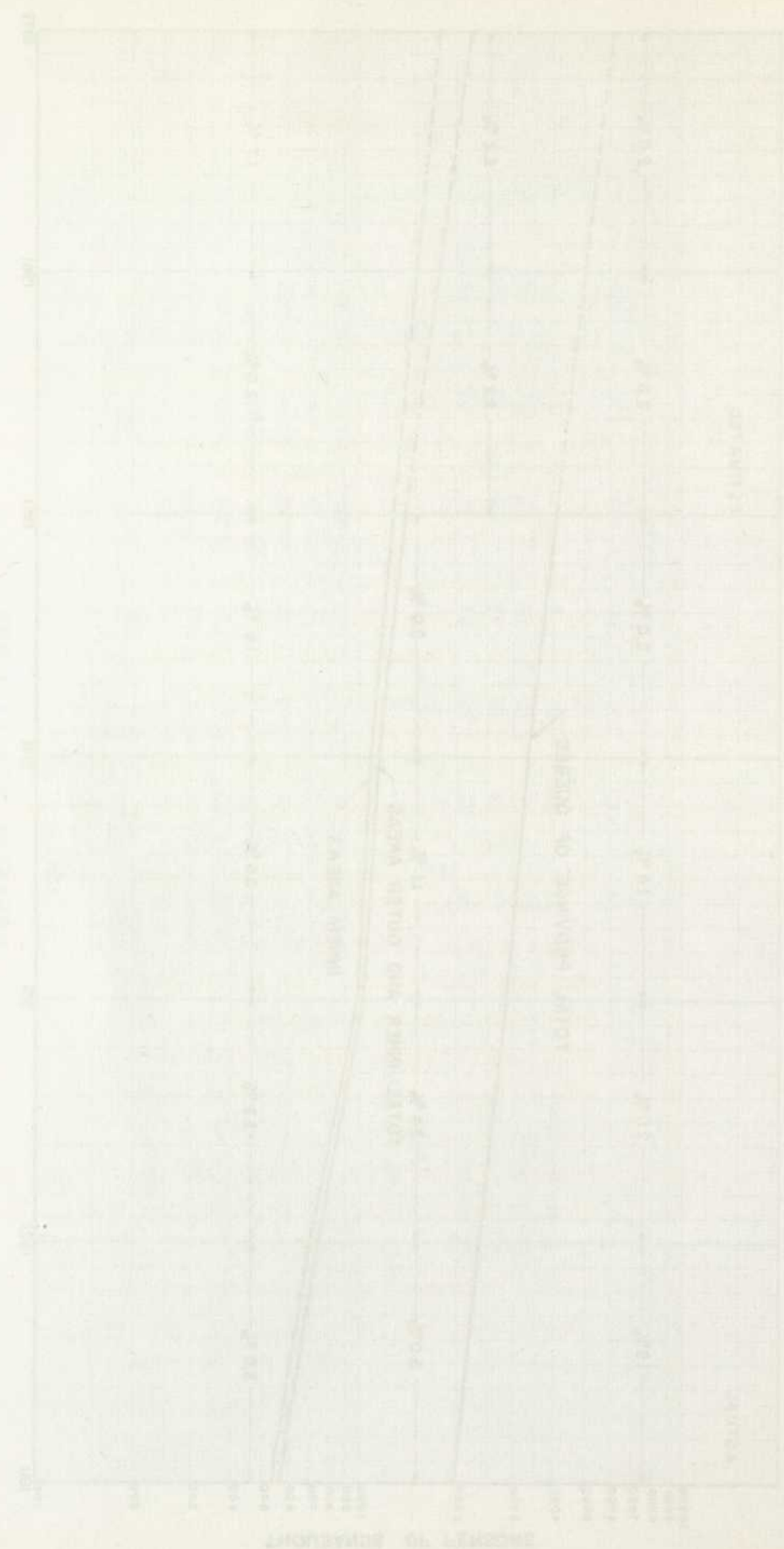
	1911	1921	1931	1941	1951
SOUTH SHORE					
<i>Cities</i>					
Longueuil	3,972	4,682	5,407	7,087	11,103
St. Lambert	3,344	3,890	6,075	6,417	8,615
<i>Towns</i>					
Greenfield Park		1,112	1,610	1,819	3,379
Jacques Cartier					22,450
Le Moyne					4,078
Mackayville					6,494
Montreal South	790	1,030	1,164	1,441	4,214
Preville					104
<i>Parishes</i>					
St. Antoine-de-Longueuil	1,270	2,472	3,932	5,361	
St. Hubert	952	2,225	1,981	2,457	6,294
Total	10,328	15,411	20,169	24,582	66,731
WESTERN SECTION					
<i>Towns</i>					
Dorval	1,005	1,466	2,052	2,048	5,293
Roxboro		23	25	23	459
Ste. Genevieve	612	683	758	489	1,322
Saraguay		55	178	263	411
<i>Parishes</i>					
La Presentation de la Ste-Vierge	221	273	290	323	278
Ste. Genevieve	1,075	1,074	936	1,362	1,436
Total	2,913	3,574	4,239	4,508	9,199



POPULATION OF THE MONTREAL METROPOLITAN REGION
 SHOWING PERCENT ANNUAL RATE OF INCREASE BY DECADES
 MONTREAL TRANSPORTATION COMMISSION—JUNE 1953

ПОСЛЕДСТВИЯ РАБОТЫ КОМПЛЕКСА КОМПЬЮТЕРНО-МАТЕМАТИЧЕСКОГО МОДЕЛИРОВАНИЯ
 ВНЕШНЕГО РАБОЧЕГО ПРОЦЕССА НА ПЕРИОД 1985-1990 ГОДОВ
 ПОСЛЕДСТВИЯ РАБОТЫ КОМПЛЕКСА КОМПЬЮТЕРНО-МАТЕМАТИЧЕСКОГО МОДЕЛИРОВАНИЯ

Рис. 1. Структурная диаграмма результатов работы комплекса компьютерно-математического моделирования внешнего рабочего процесса на период 1985-1990 годов.



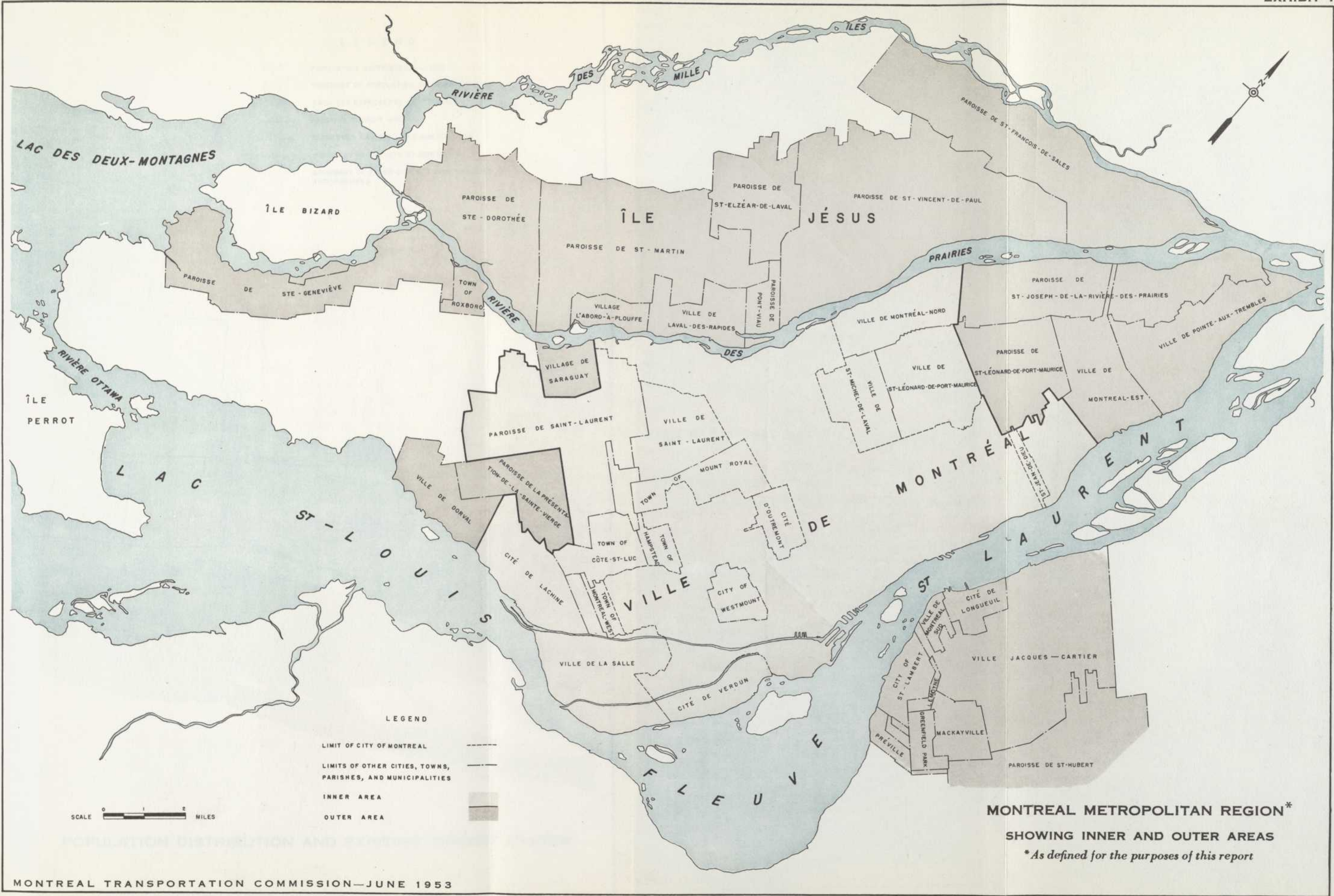
EXHIBITS

Number

- 1 Montreal Metropolitan Region — Showing Inner and Outer Areas
- 2 Population Distribution and Existing Transit System
- 3 Comprehensive Plan of Proposed Subway System — With Possible Pattern of Surface Routes
- 4 Plan and Profile of Initial Subway System — Atwater Terminal to St. Catherine and St. Denis Streets
- 5 Plan and Profile of Initial Subway System — St. Catherine and St. Denis Streets to Youville Terminal
- 6 Typical Mezzanine Station — Plan and Sections
- 7 Youville Terminal — General Plan and Section
- 8 Youville Bus Terminal — Plan and Elevation
- 9 Youville Car Storage Yard and Buildings
- 10 De Fleurimont Station — General Plan and Sections
- 11 St. Catherine - De Montigny Station — General Plan
- 12 St. Catherine - De Montigny Station — Plan and Sections at St. Denis Street
- 13 St. Catherine - De Montigny Station — Mezzanine Plan and Sections at De Montigny Street
- 14 Champ-de-Mars Station — General Plan
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- 17 Place d'Armes Station — Plan and Sections
- 18 Victoria Square Station — Plan and Sections
- 19 Dominion Square Station — General Plan
- 20 Dominion Square Station — Plan and Sections of South Mezzanine
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- 25 Atwater Bus Terminal — Plan and Elevation
- 26 Regions Benefited by the Initial Subway — In Conjunction with Revised Surface Routes

BIBLIOTHÈQUE
SAINT-SULPICE

SAINT-SULPICE
BARTOLIERS



LEGEND

--- LIMIT OF CITY OF MONTREAL

--- LIMITS OF OTHER CITIES, TOWNS, PARISHES, AND MUNICIPALITIES

■ INNER AREA

■ OUTER AREA

SCALE 0 1 2 3 4 5 MILES

MONTREAL METROPOLITAN REGION*
 SHOWING INNER AND OUTER AREAS
 *As defined for the purposes of this report



LEGEND

- POPULATION DISTRIBUTION — 1951
- FORECAST OF POPULATION DISTRIBUTION — 1971
- EACH DOT REPRESENTS 50 PERSONS
- EXISTING TRANSIT ROUTES
- PASSENGER RAILWAY LINES AND STATIONS
- BOUNDARY OF THE CITY OF MONTREAL
- BOUNDARY OF OTHER CITIES, TOWNS, VILLAGES AND PARISHES

POPULATION DISTRIBUTION AND EXISTING TRANSIT SYSTEM



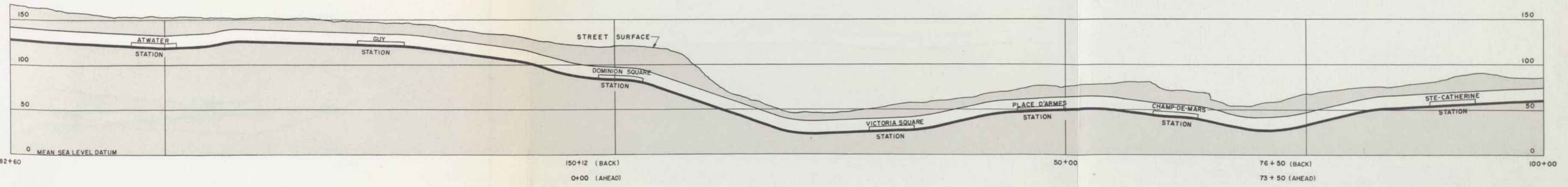
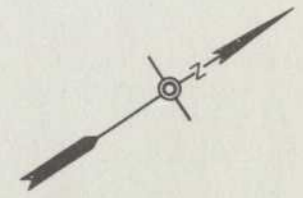
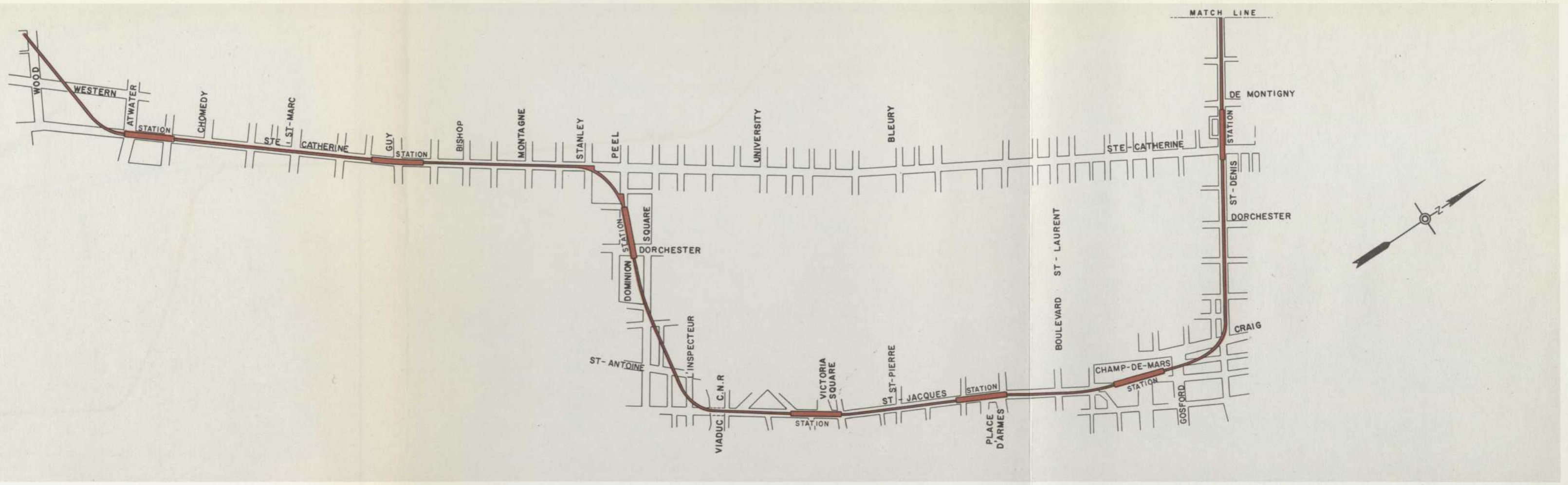
LEGEND

- FORECAST OF POPULATION DISTRIBUTION—1971
EACH DOT REPRESENTS 50 PERSONS
- INITIAL SUBWAY PROJECT
- FUTURE SUBWAY
- SUBWAY STATIONS
- SURFACE TRANSIT ROUTES
- PASSENGER RAILWAY LINES AND STATIONS
- BOUNDARY OF THE CITY OF MONTREAL
- BOUNDARY OF OTHER CITIES, TOWNS, VILLAGES AND PARISHES

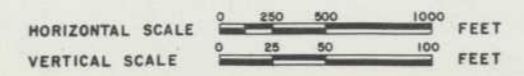


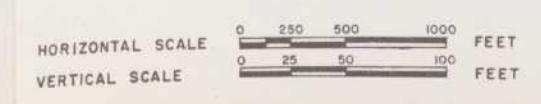
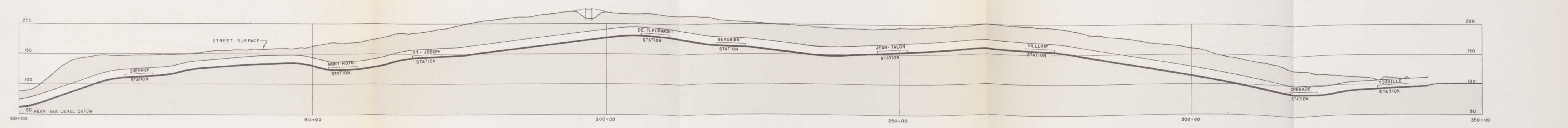
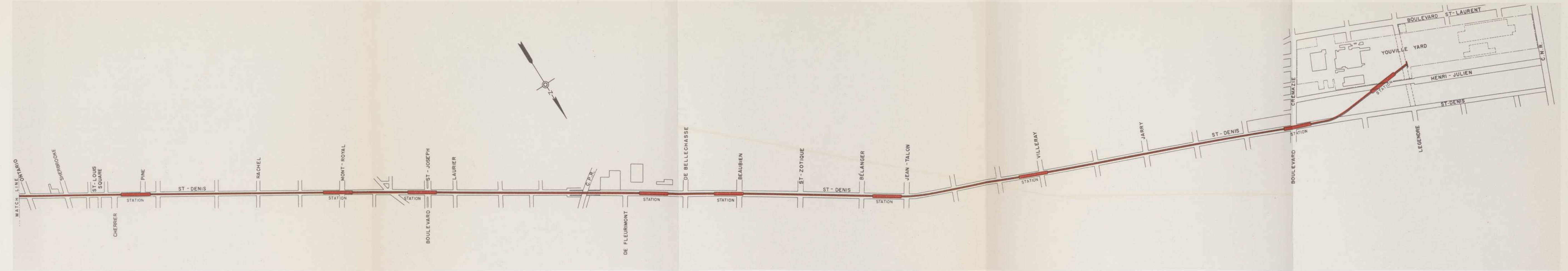
COMPREHENSIVE PLAN OF PROPOSED SUBWAY SYSTEM
WITH POSSIBLE PATTERN OF SURFACE ROUTES



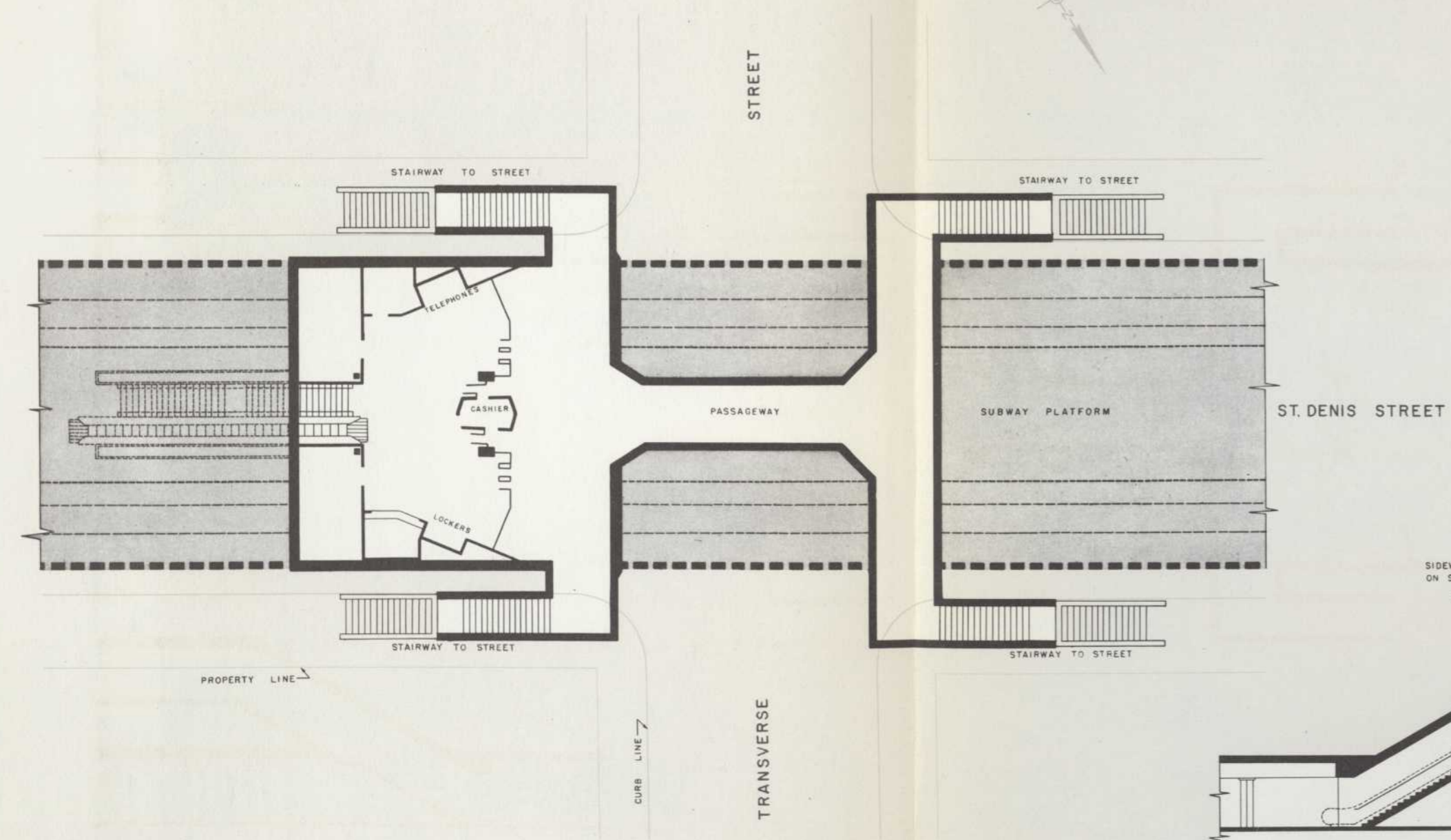


PLAN AND PROFILE OF INITIAL SUBWAY SYSTEM
ATWATER TERMINAL TO ST. CATHERINE AND ST. DENIS STREETS

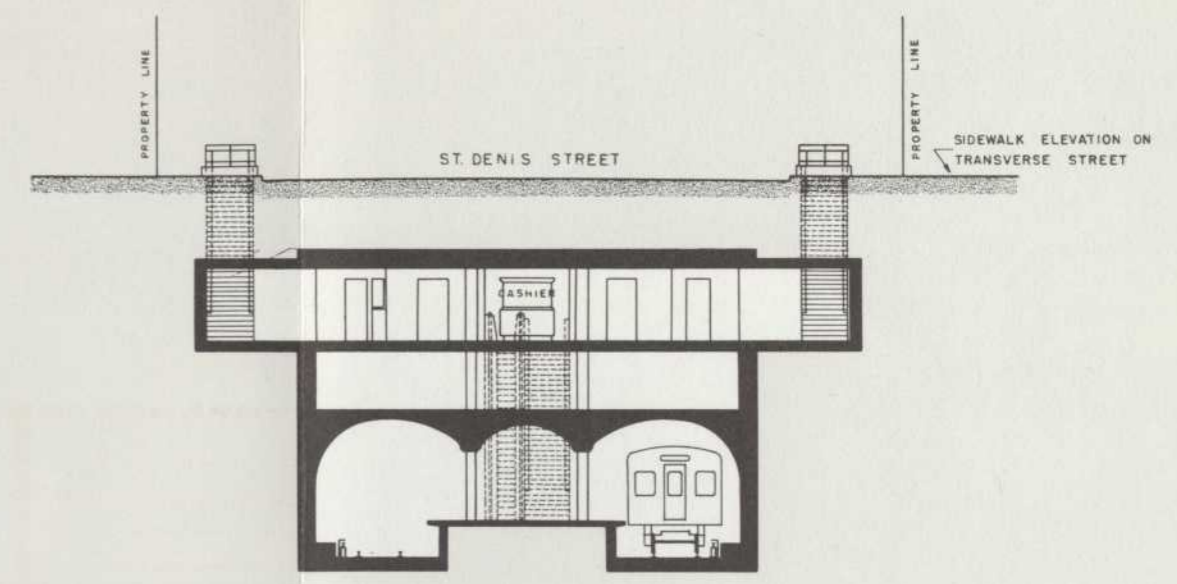




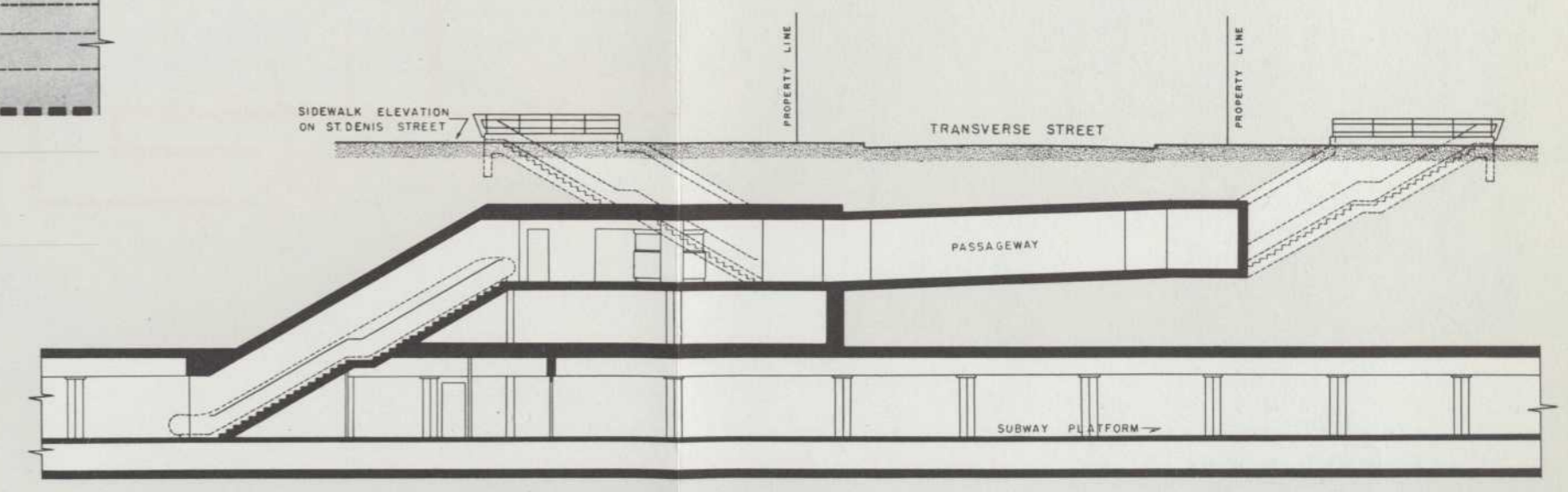
PLAN AND PROFILE OF INITIAL SUBWAY SYSTEM
ST. CATHERINE AND ST. DENIS STREETS TO YOUVILLE TERMINAL



PLAN

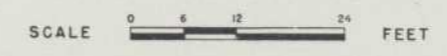


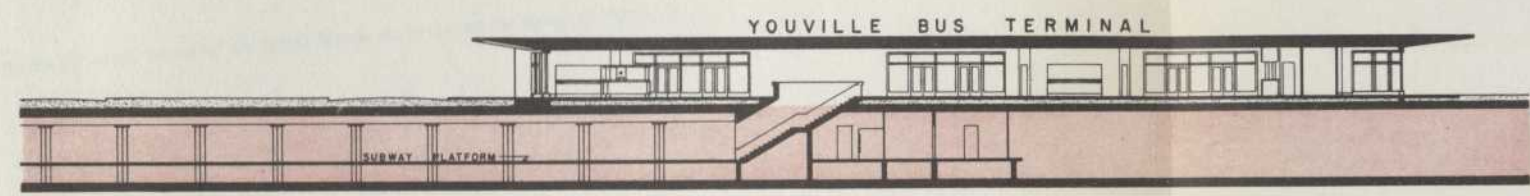
TRANSVERSE SECTION



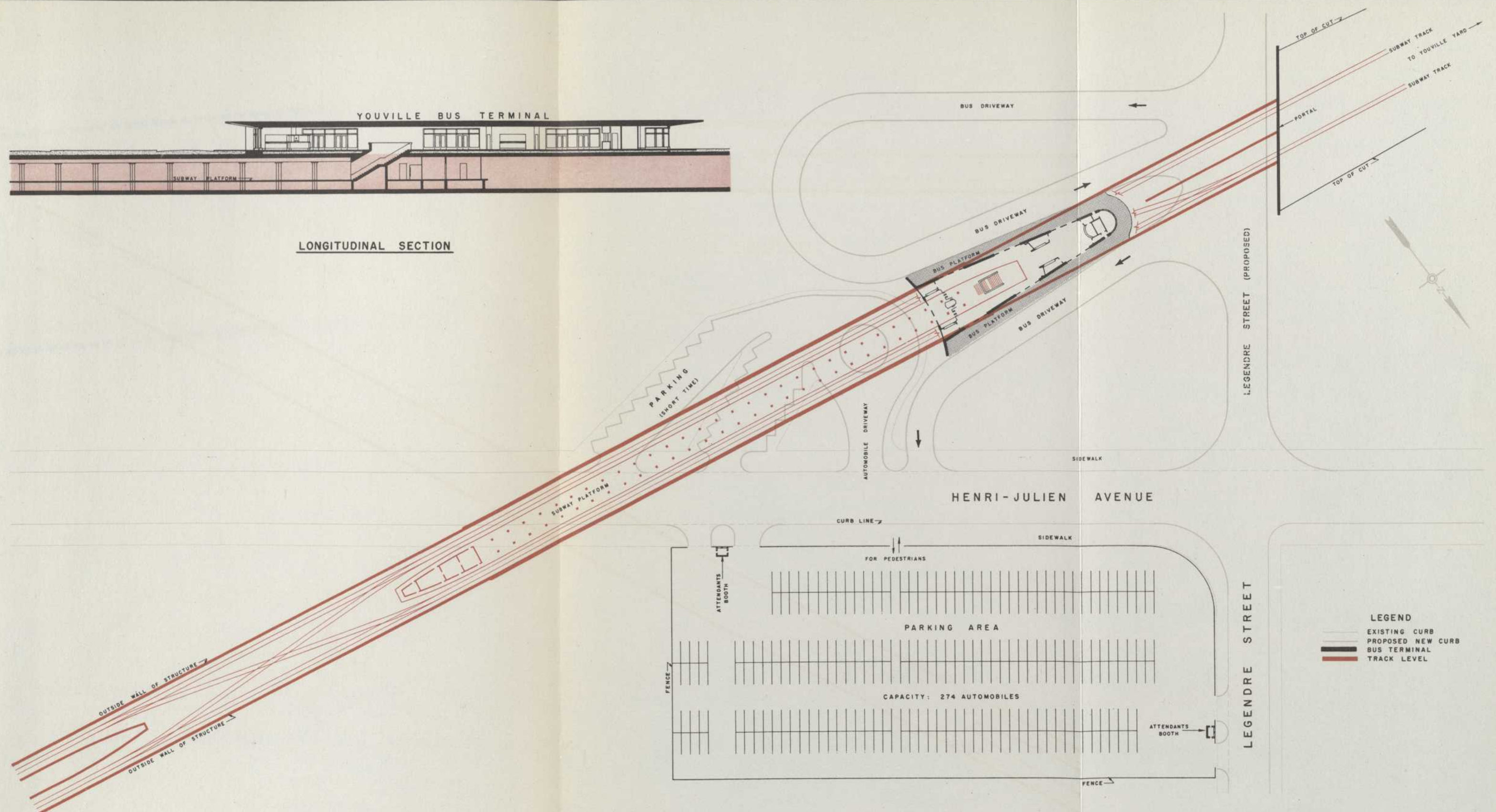
LONGITUDINAL SECTION

TYPICAL MEZZANINE STATION
PLAN AND SECTIONS

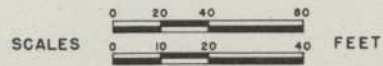


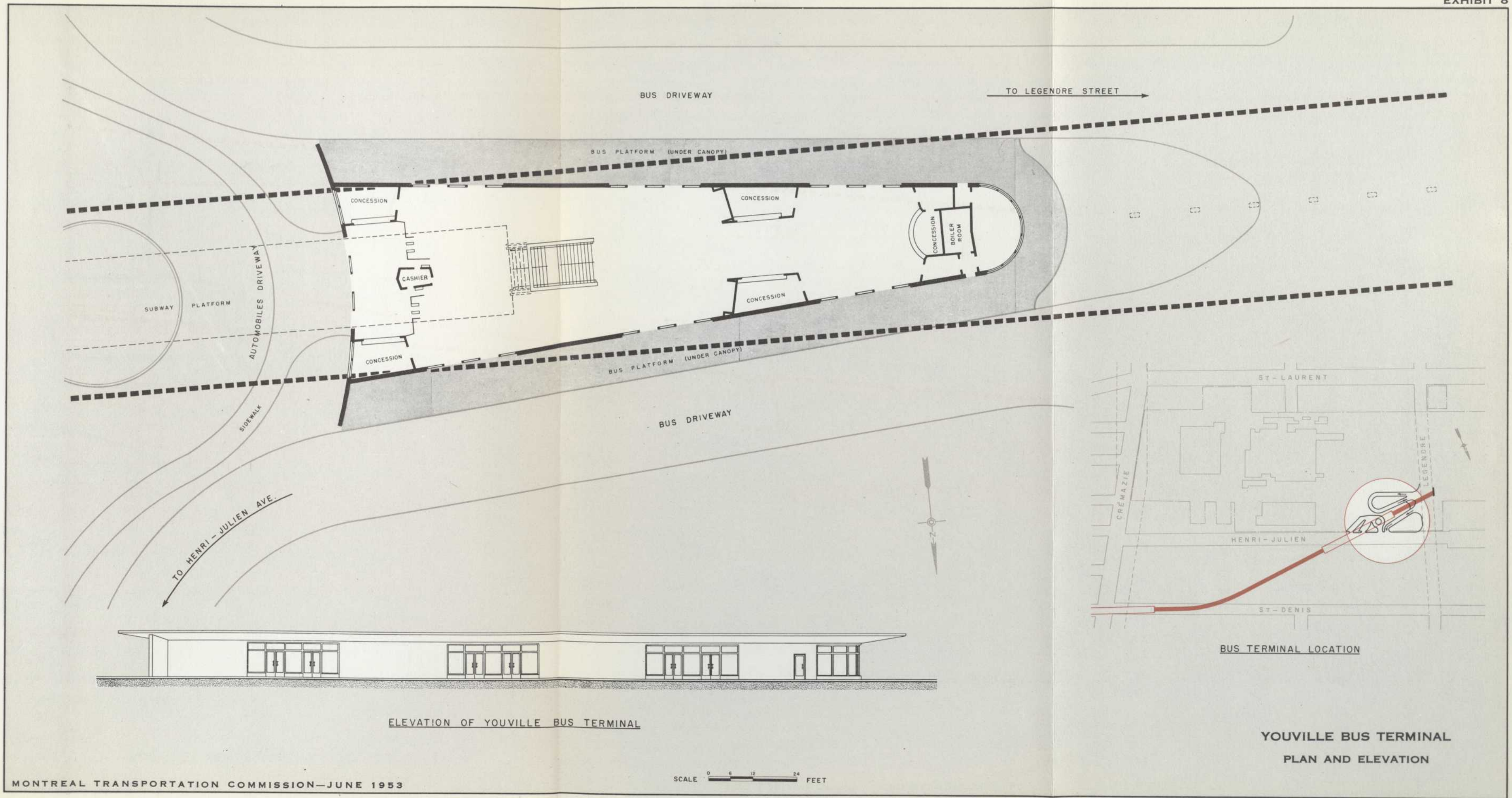


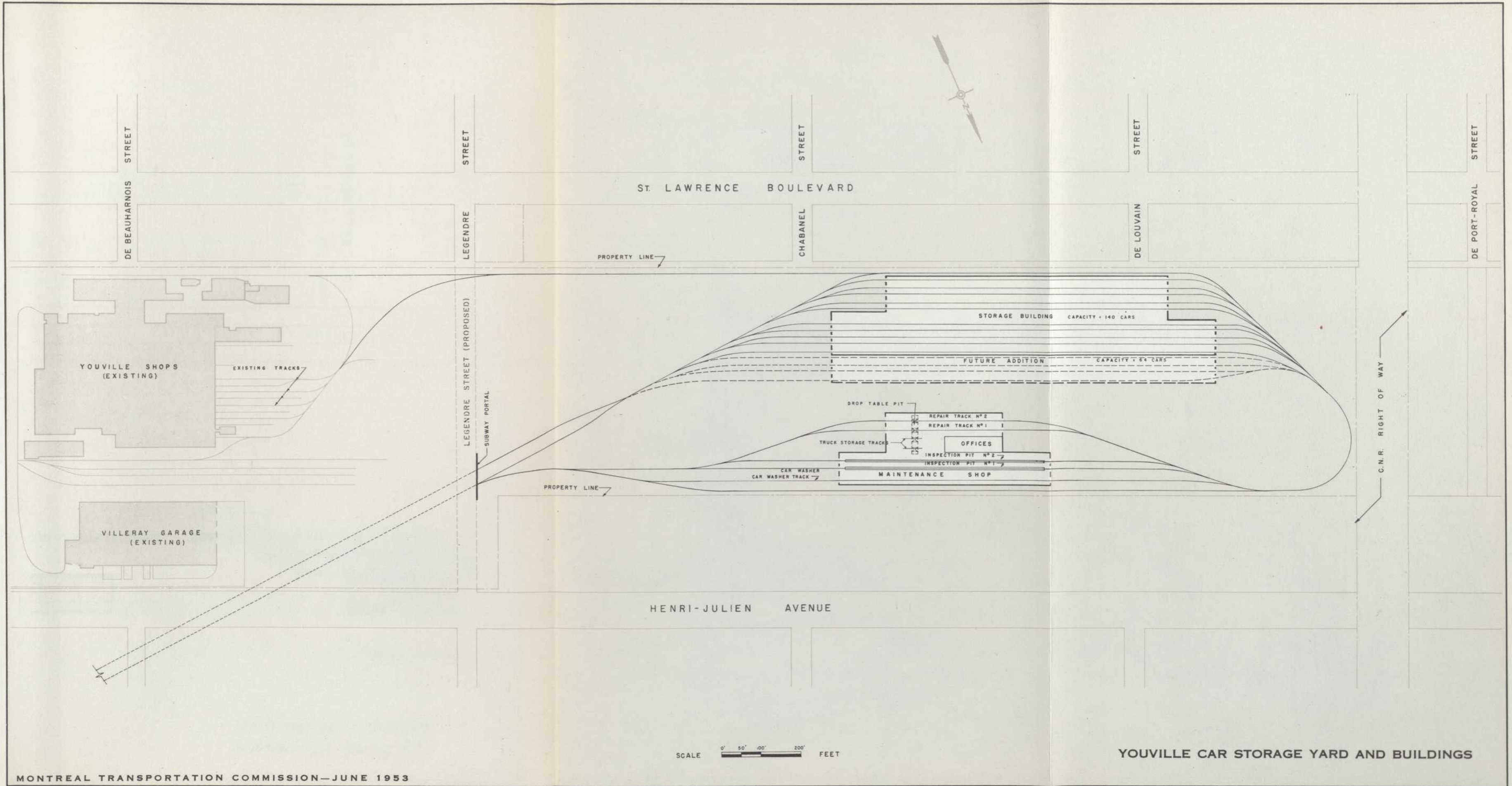
LONGITUDINAL SECTION



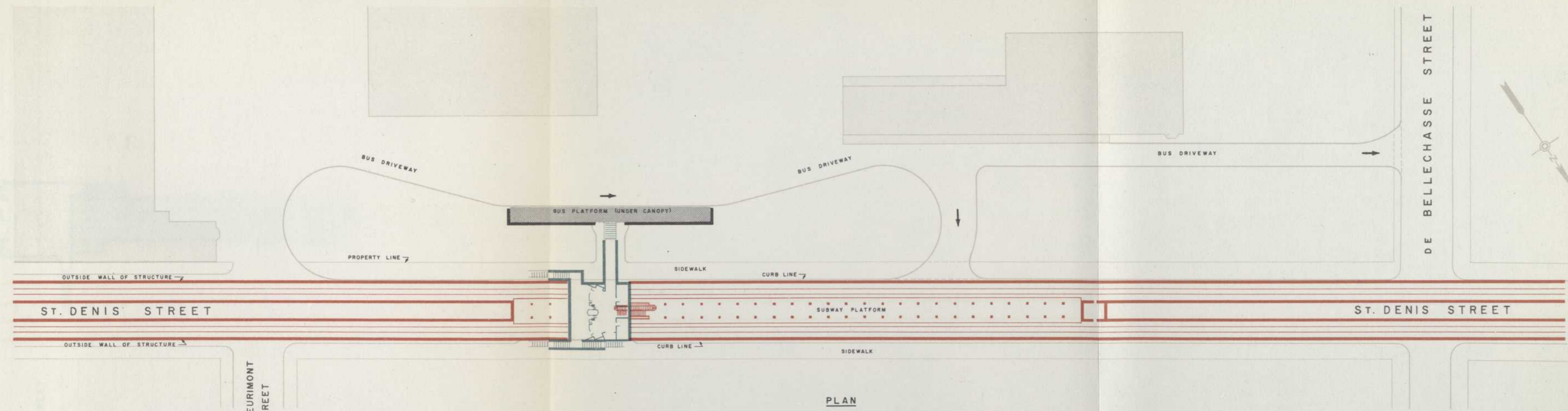
YOUVILLE TERMINAL
GENERAL PLAN AND SECTION



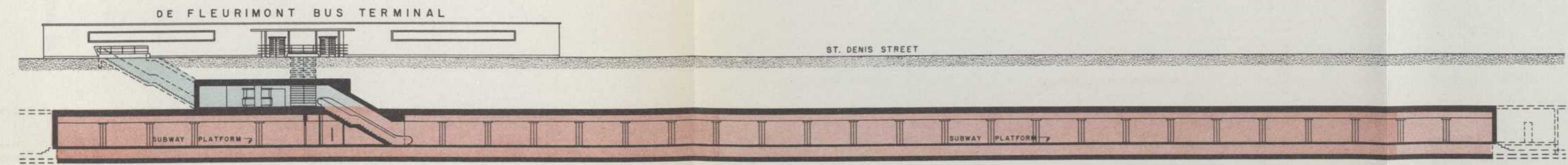




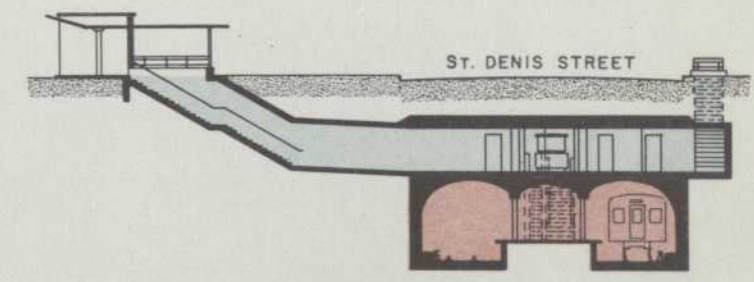
SAINT DENIS YARD - PROPERTY OF THE MONTREAL TRANSPORTATION COMMISSION



PLAN

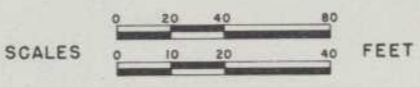


LONGITUDINAL SECTION

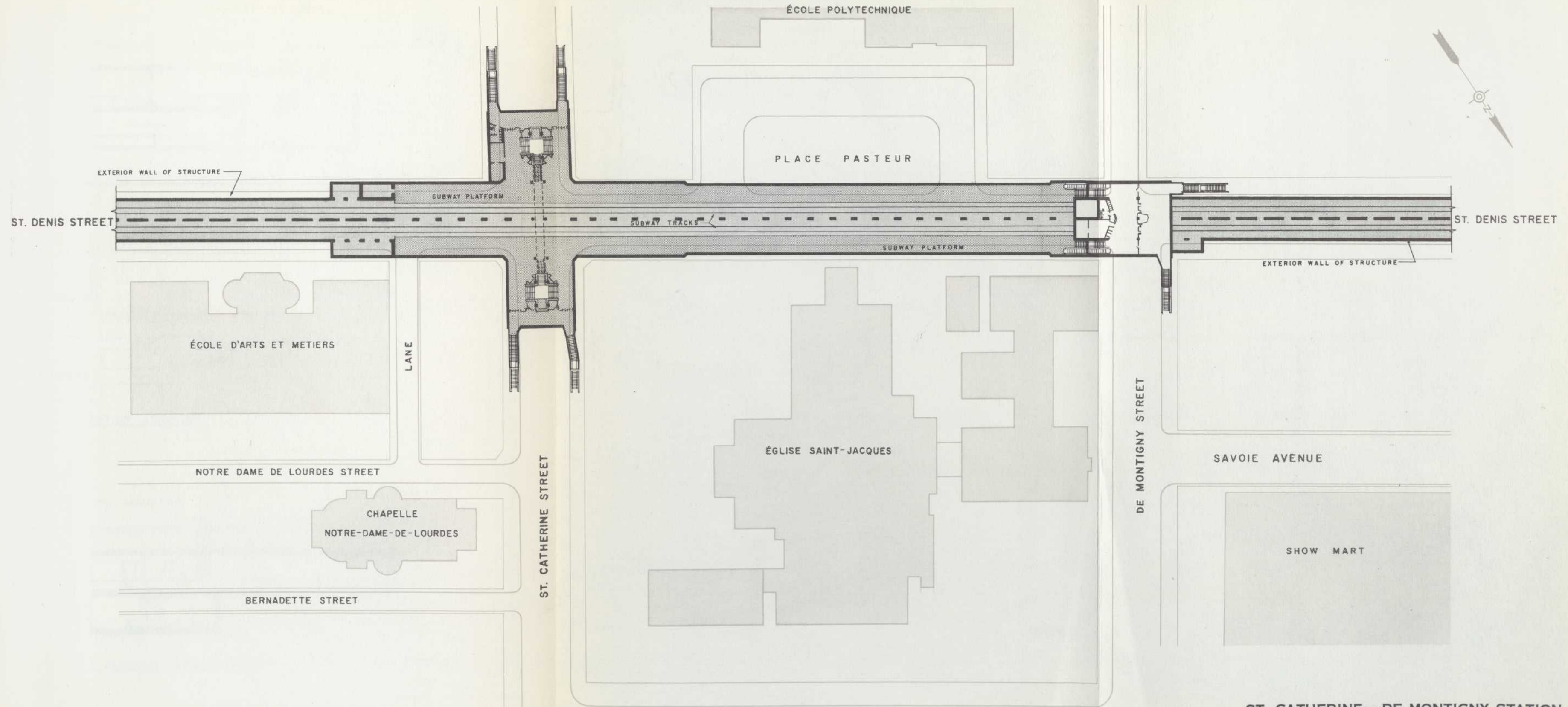


TRANSVERSE SECTION

- LEGEND**
- EXISTING CURB
 - PROPOSED NEW CURB
 - BUS TERMINALS
 - MEZZANINE LEVEL
 - TRACK LEVEL

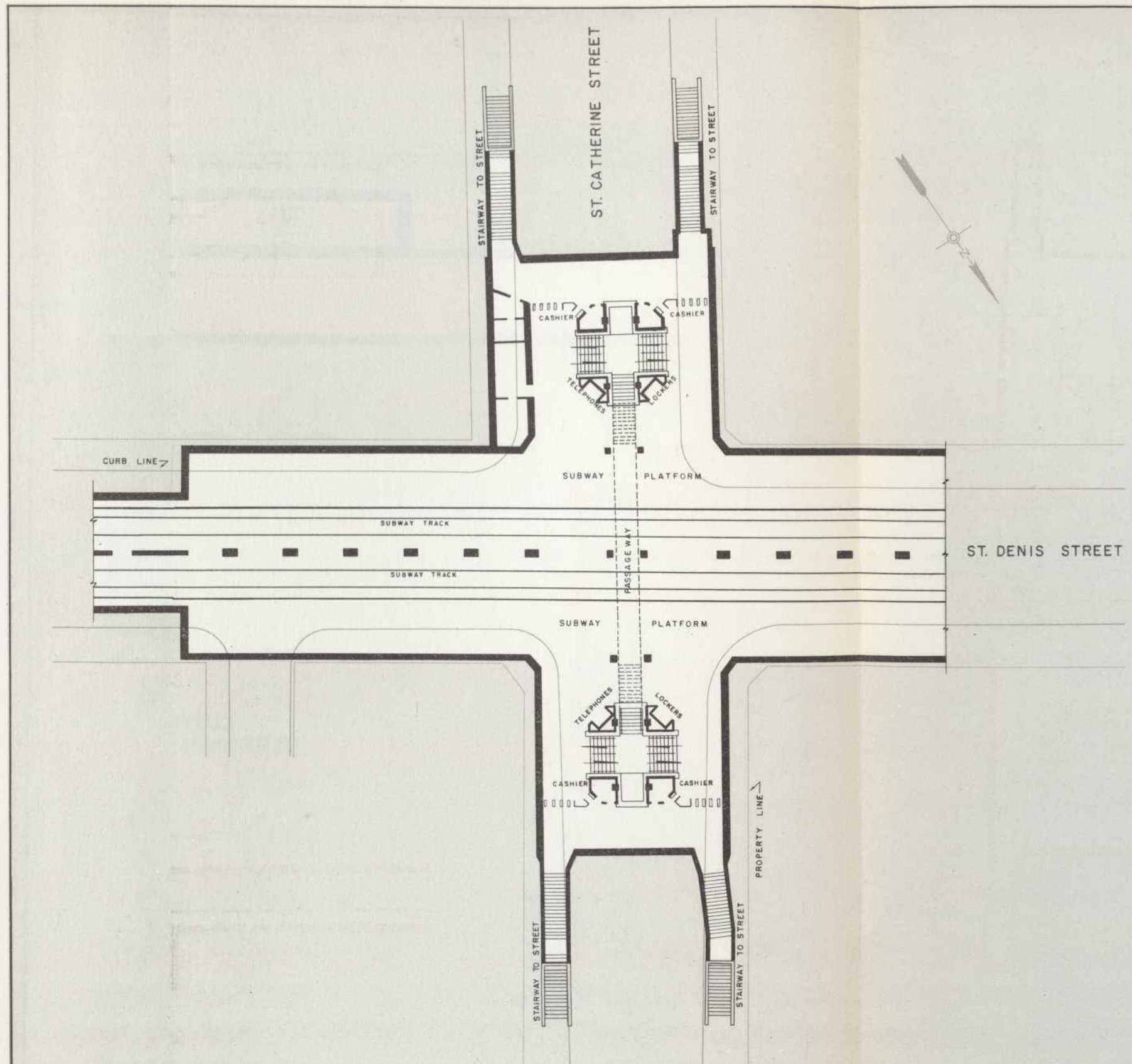


DE FLEURIMONT STATION
GENERAL PLAN AND SECTIONS

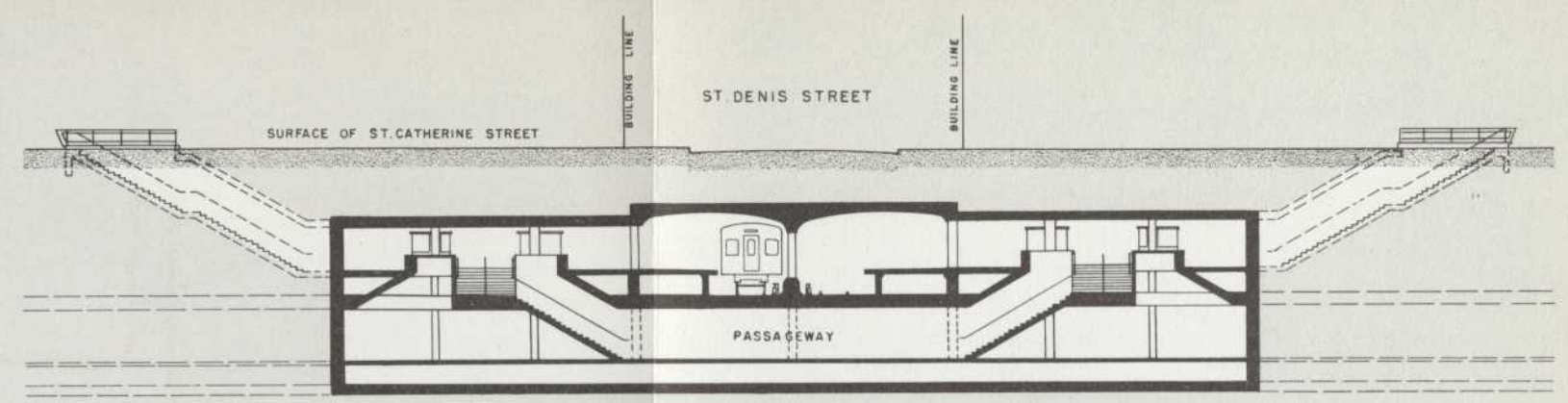


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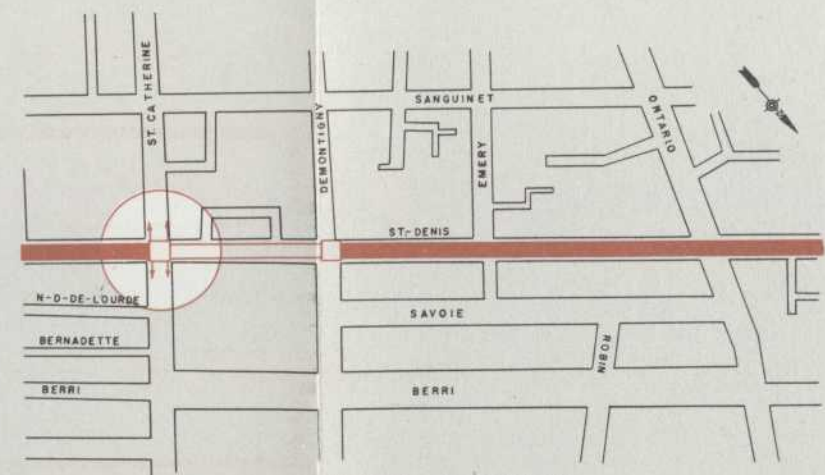
ST. CATHERINE—DE MONTIGNY STATION
GENERAL PLAN



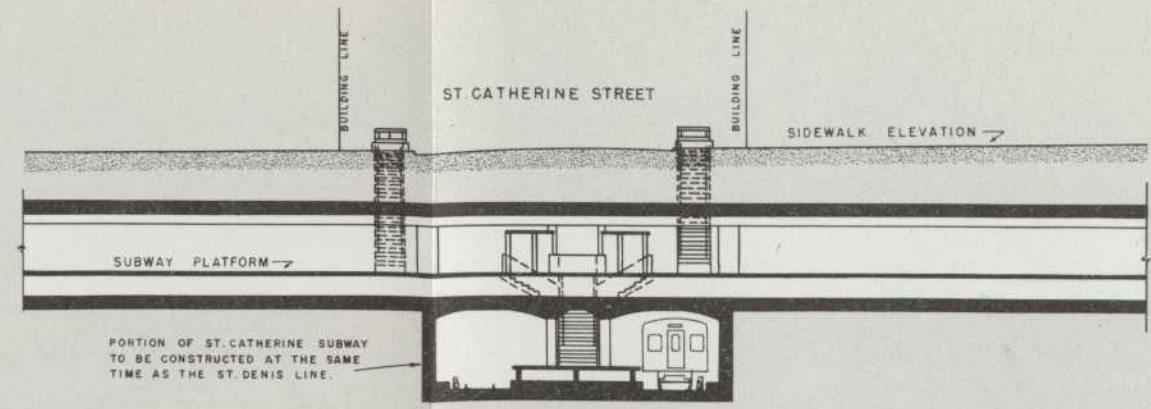
PLAN



SECTION ALONG ST. CATHERINE STREET



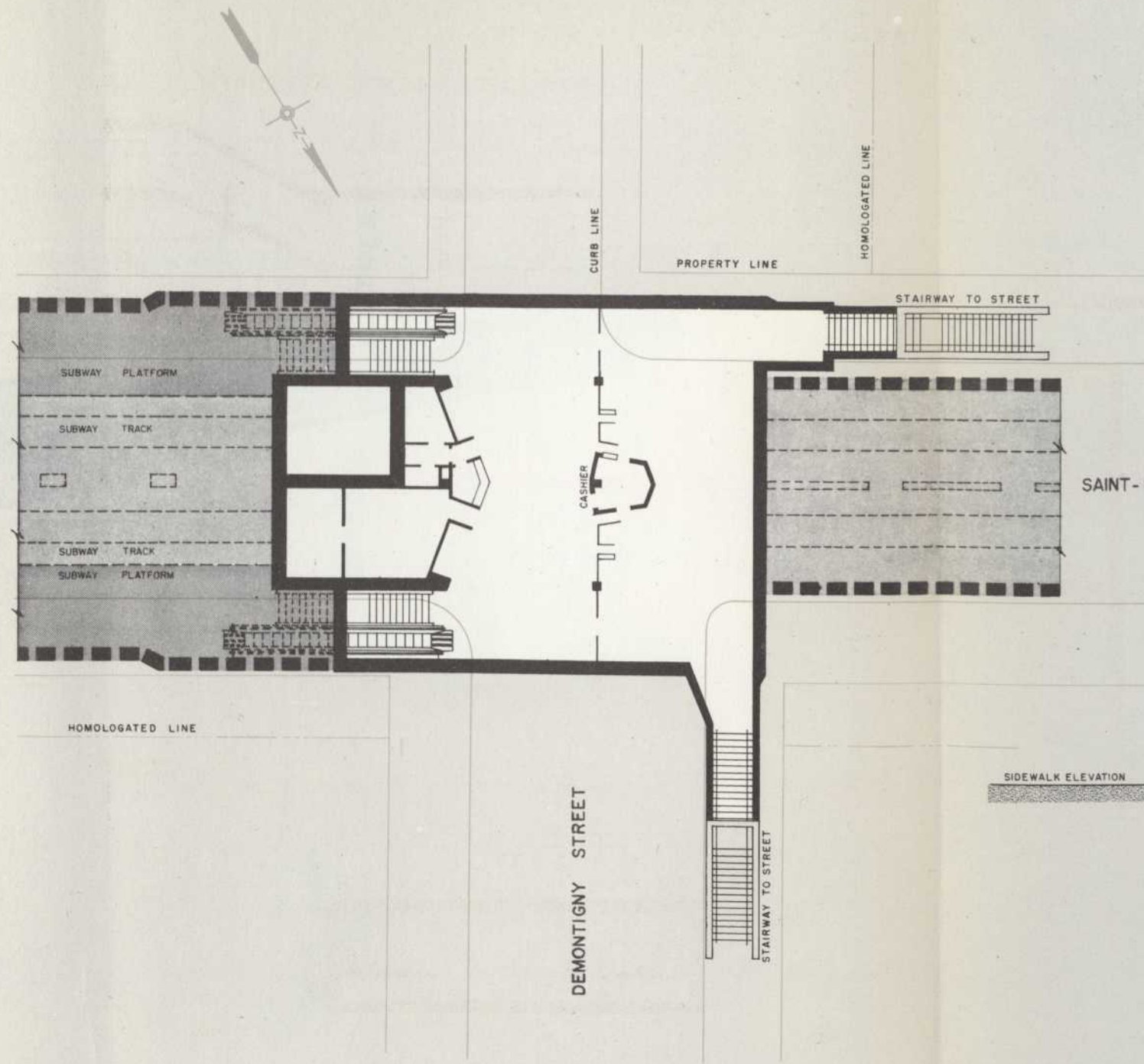
STATION LOCATION



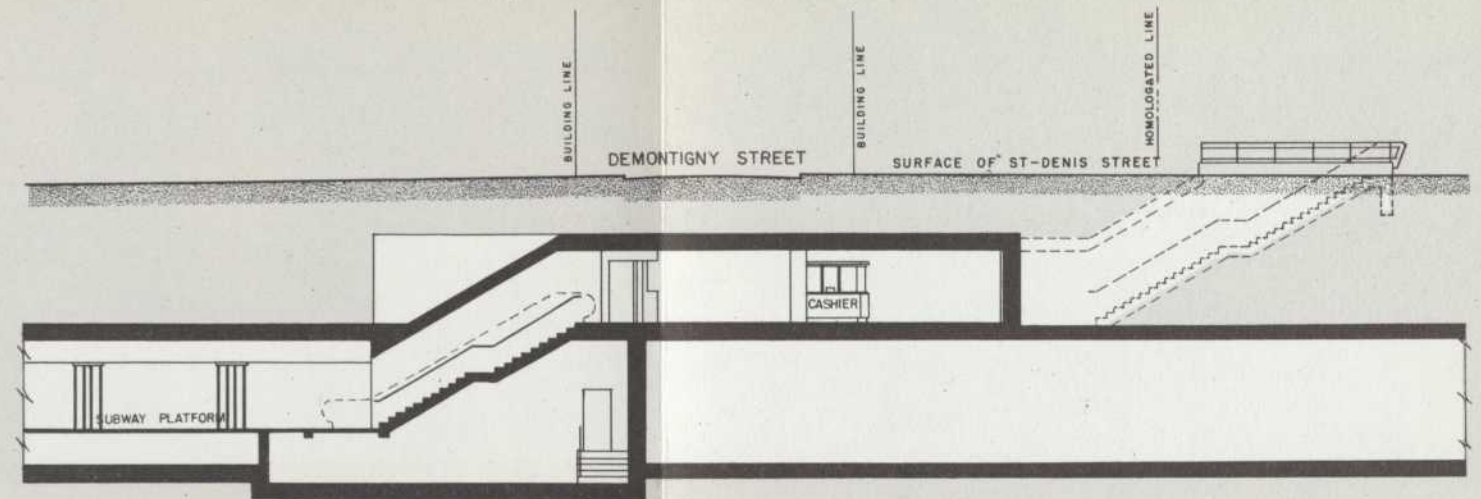
SECTION ALONG ST. DENIS STREET

ST. CATHERINE—DE MONTIGNY STATION
PLAN AND SECTIONS AT ST. DENIS STREET

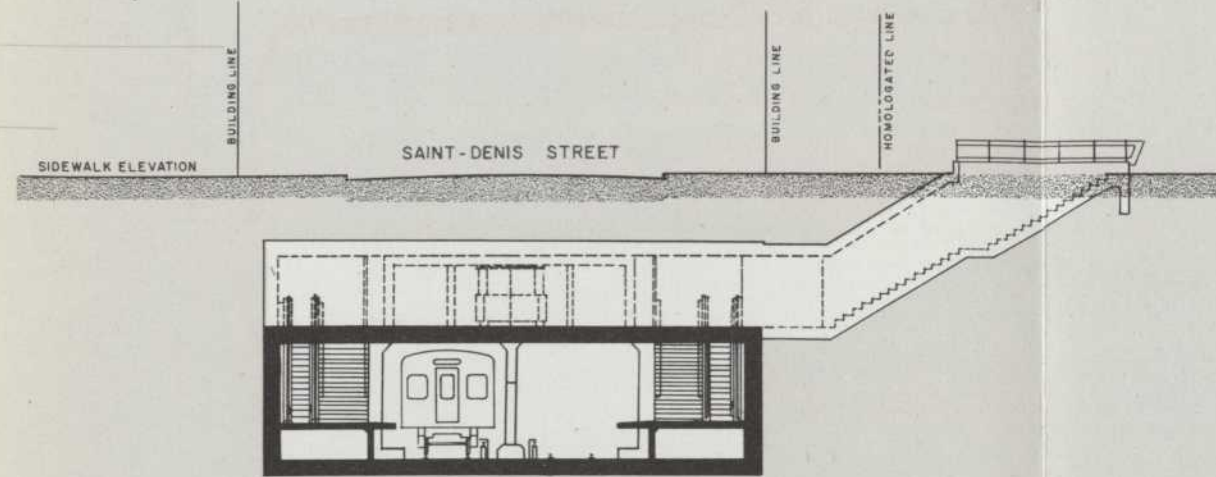
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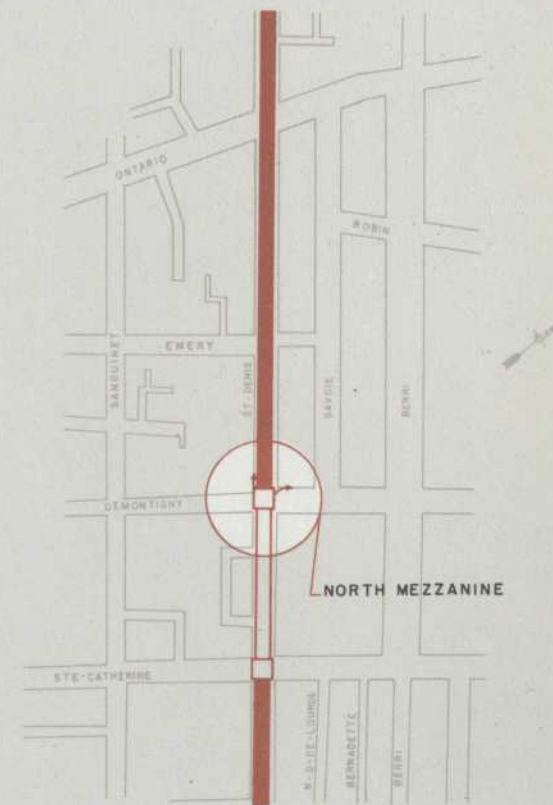
PLAN OF DEMONTIGNY MEZZANINE



LONGITUDINAL SECTION

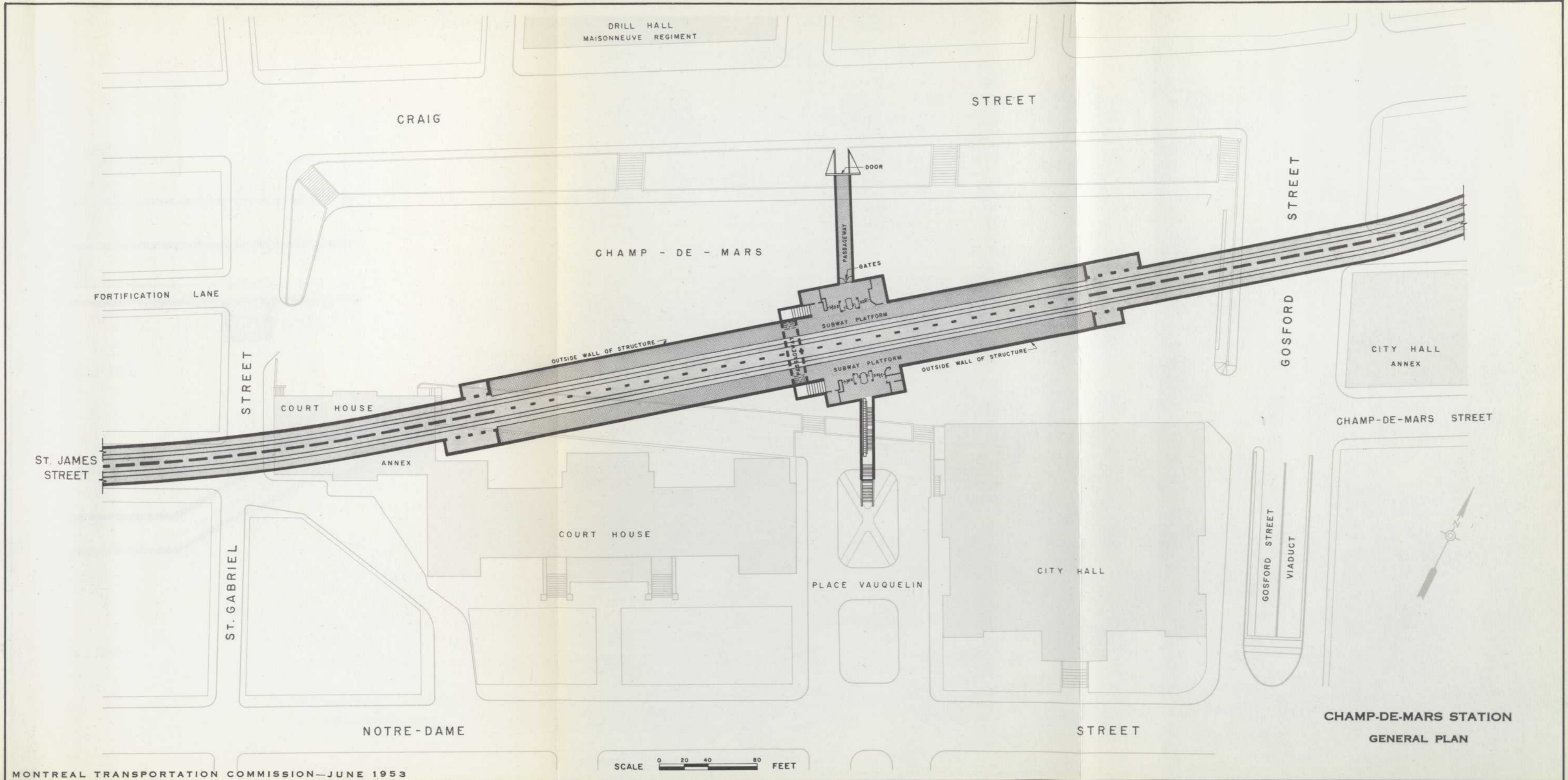


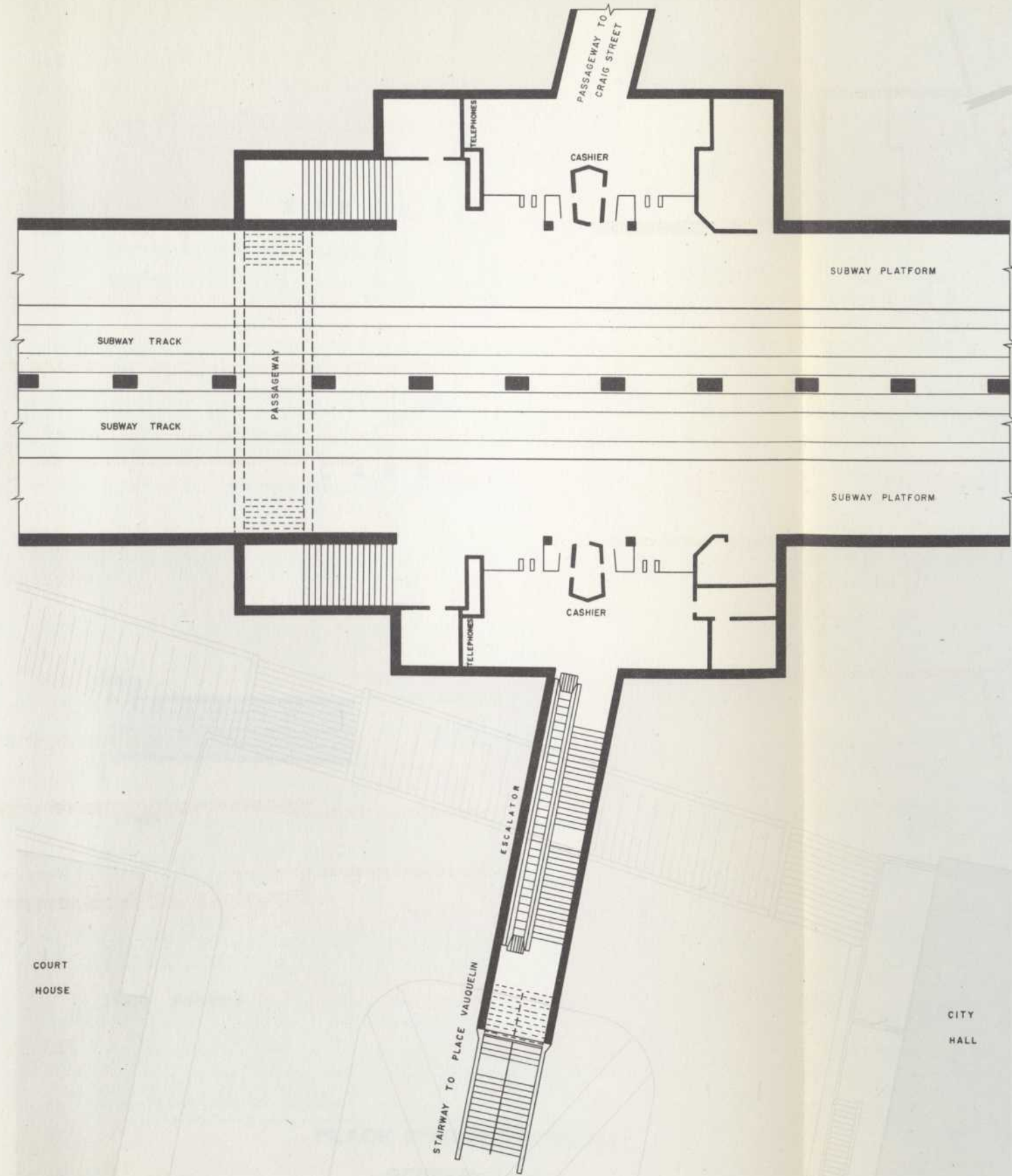
TRANSVERSE SECTION



STATION LOCATION

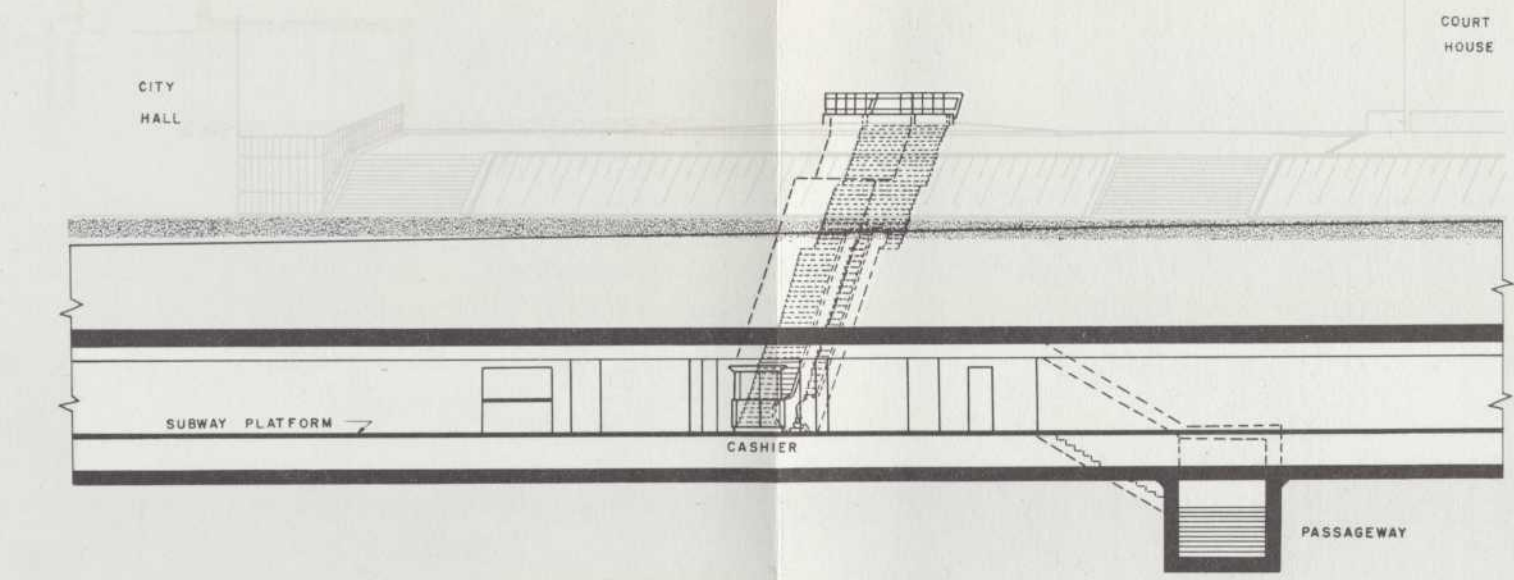
ST. CATHERINE—DE MONTIGNY STATION
 MEZZANINE PLAN AND SECTIONS AT DE MONTIGNY STREET



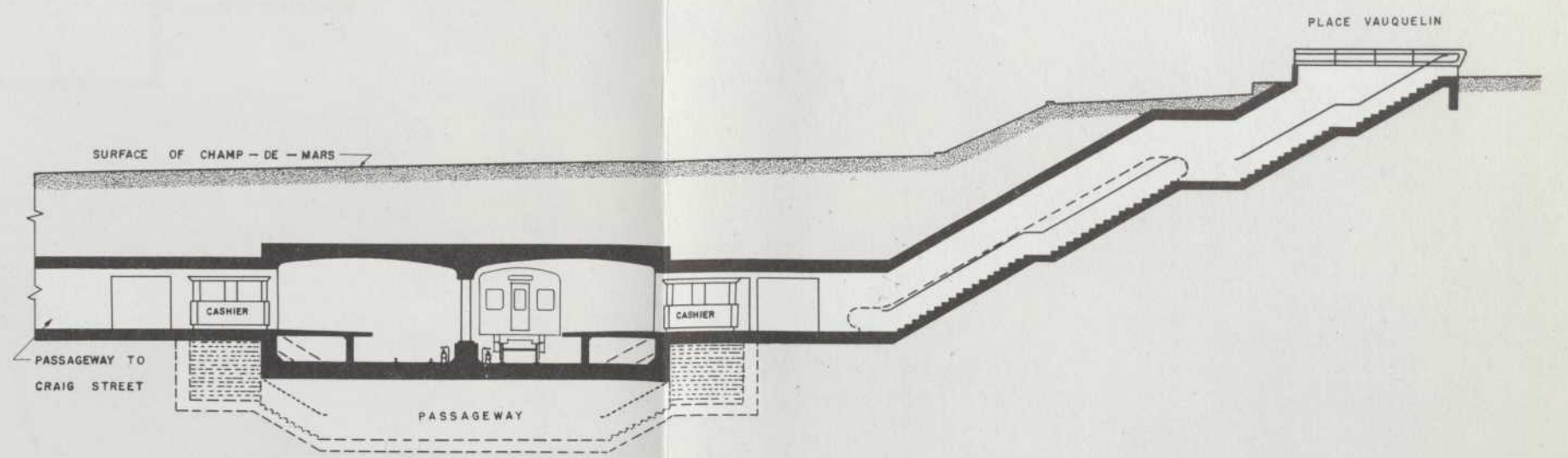


PLAN

MONTREAL TRANSPORTATION COMMISSION—JUNE 1953



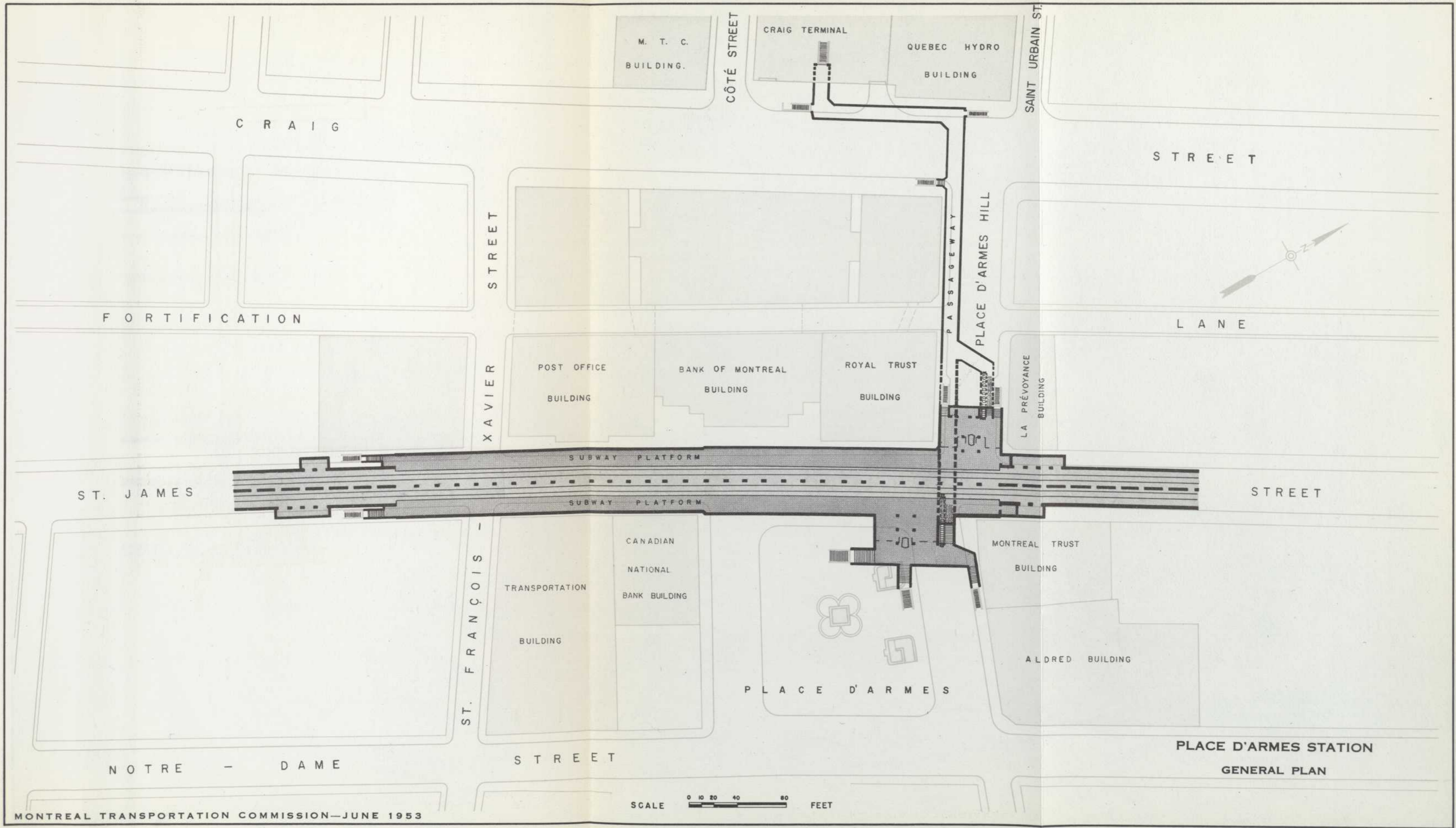
LONGITUDINAL SECTION



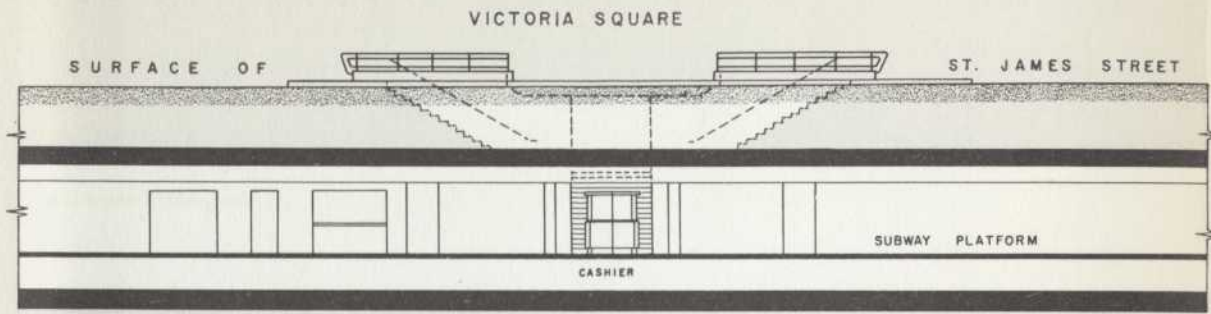
TRANSVERSE SECTION

CHAMP-DE-MARS STATION
PLAN AND SECTIONS

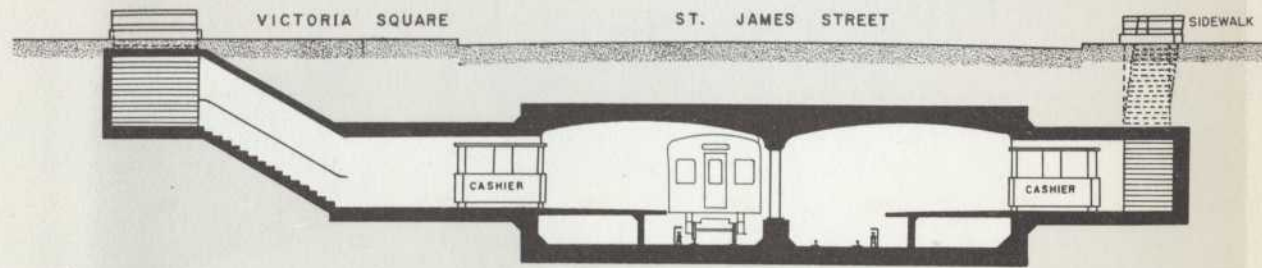
SCALE 0 6 12 24 FEET



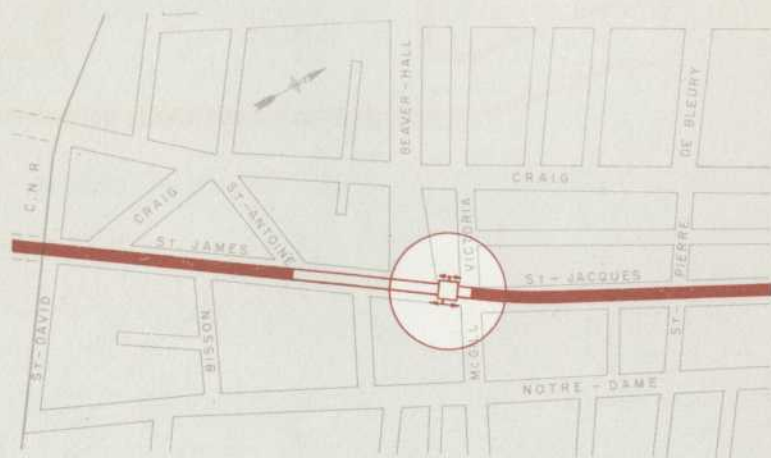
PLACE D'ARMES STATION
GENERAL PLAN



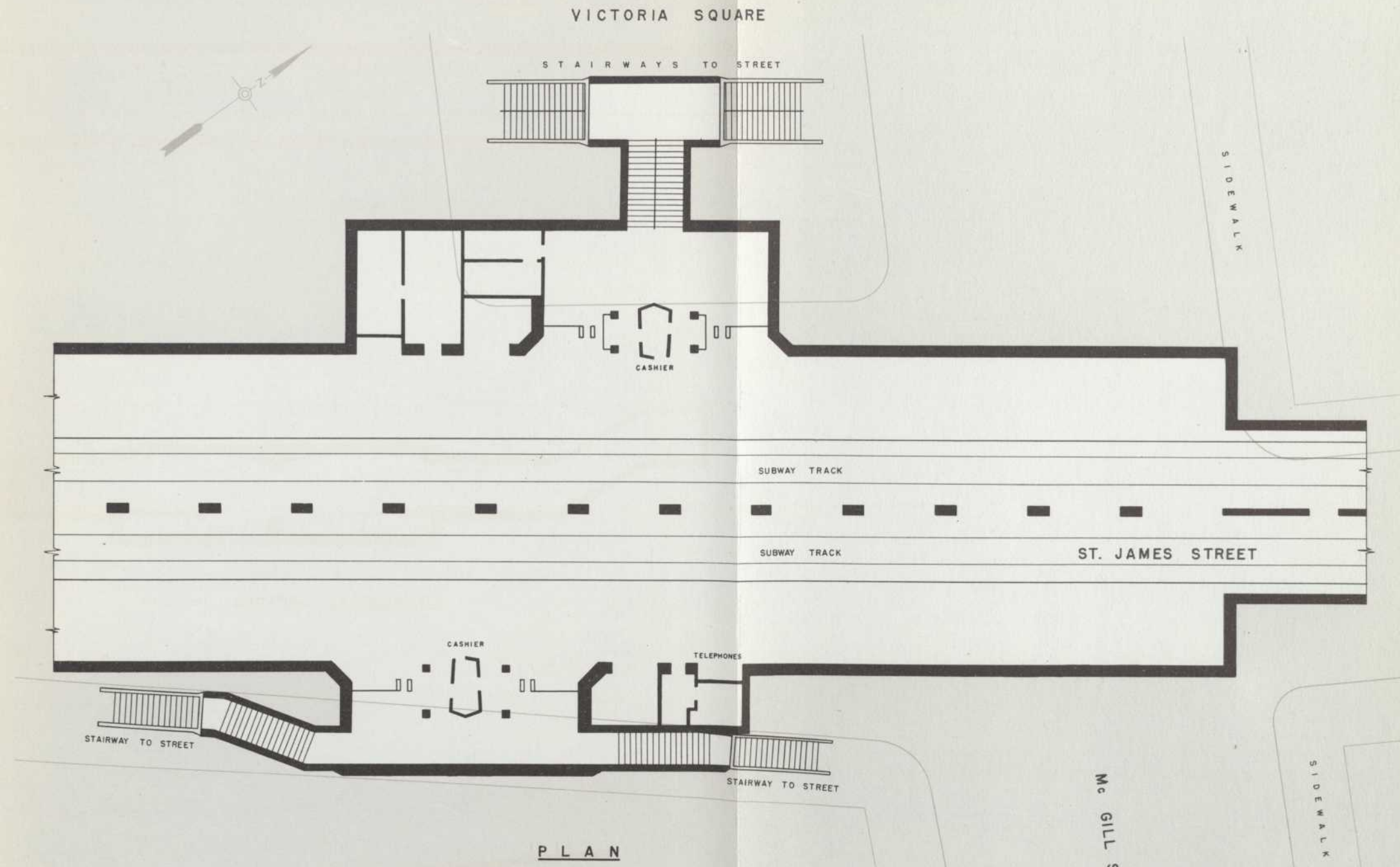
LONGITUDINAL SECTION



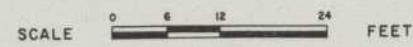
TRANSVERSE SECTION



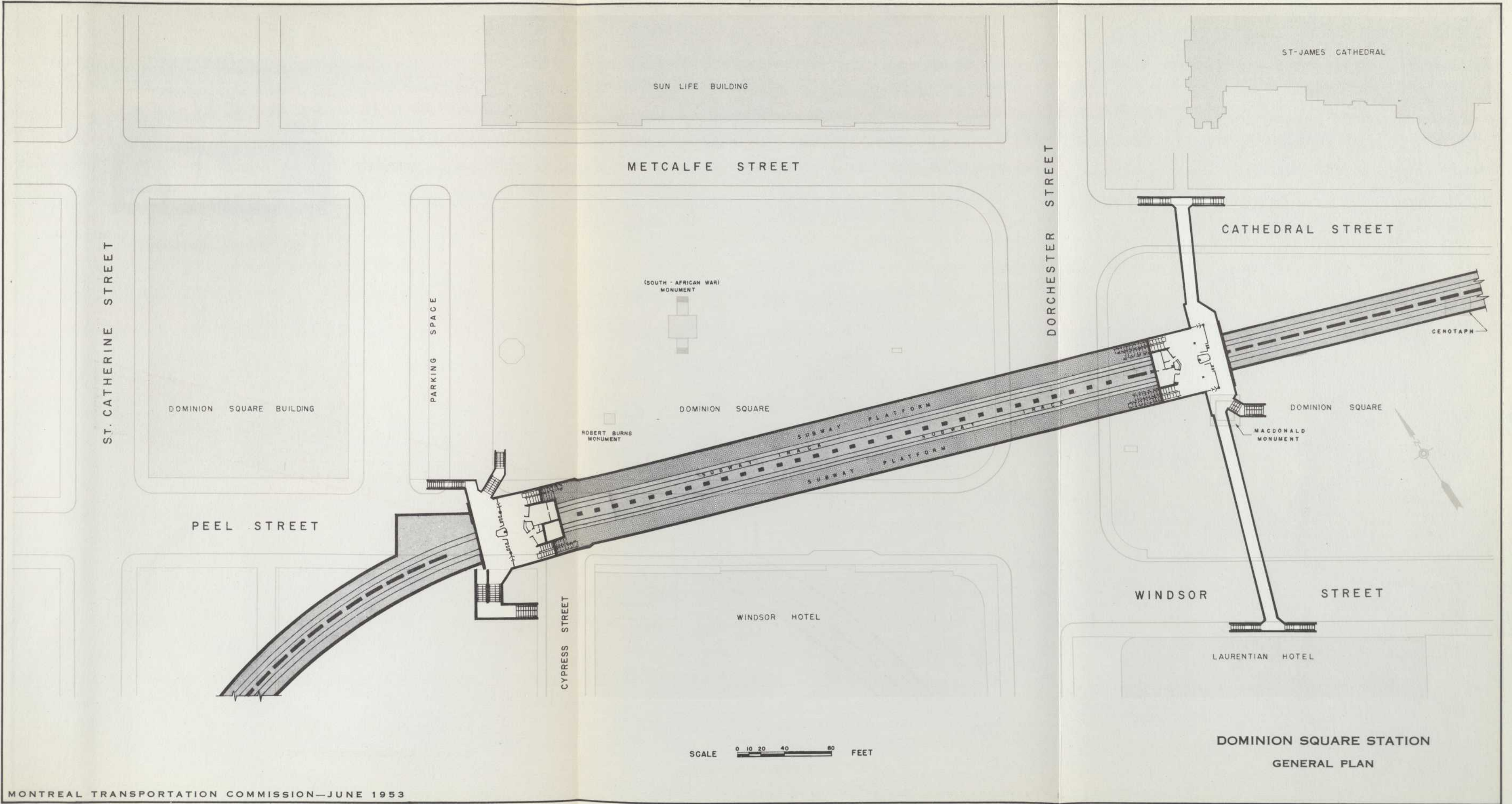
STATION LOCATION



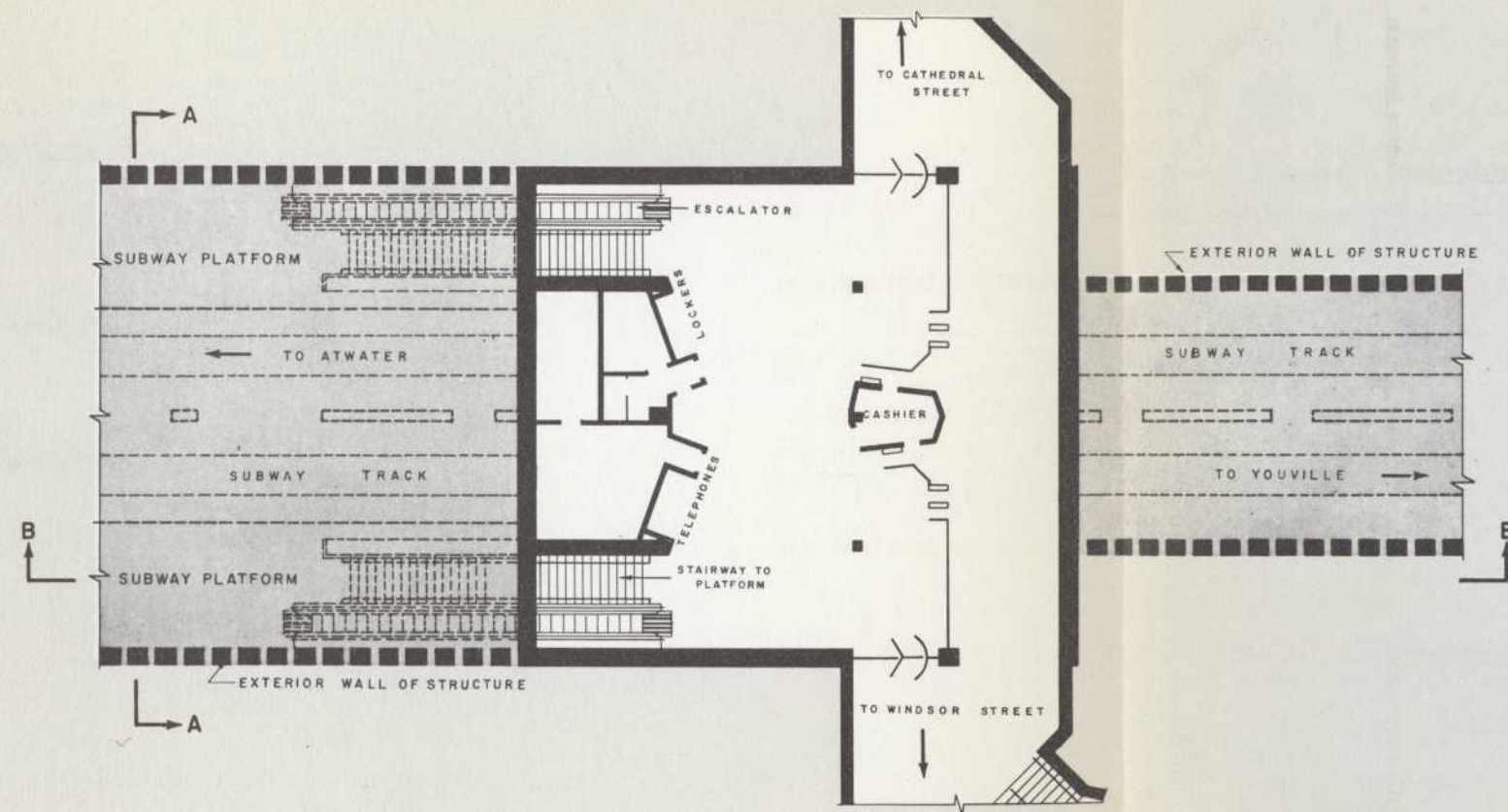
PLAN



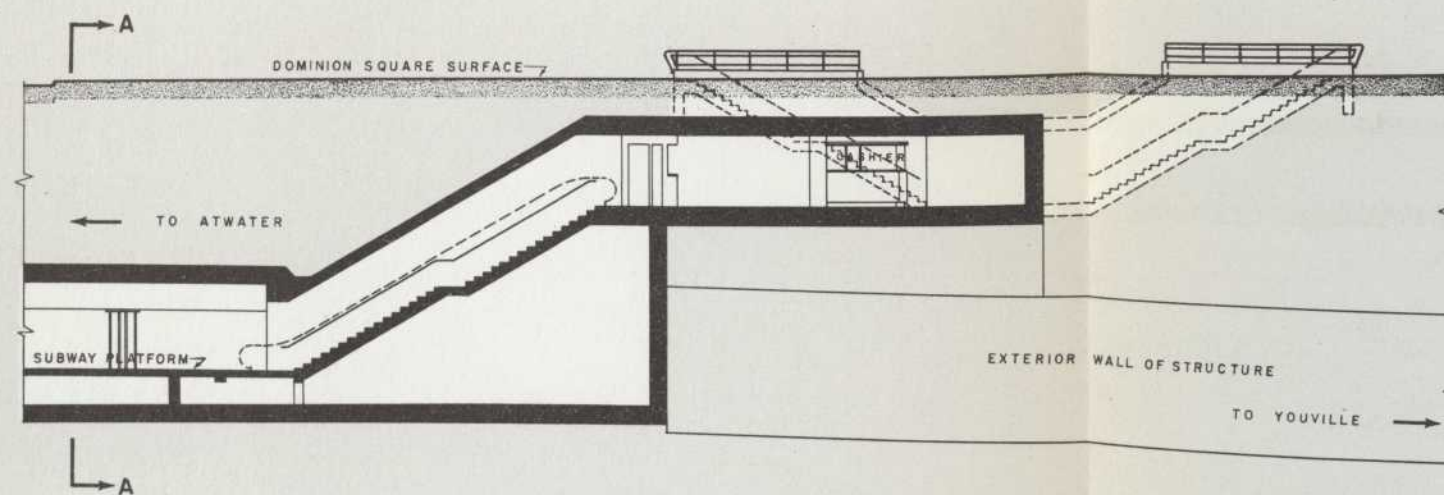
VICTORIA SQUARE STATION
PLAN AND SECTIONS



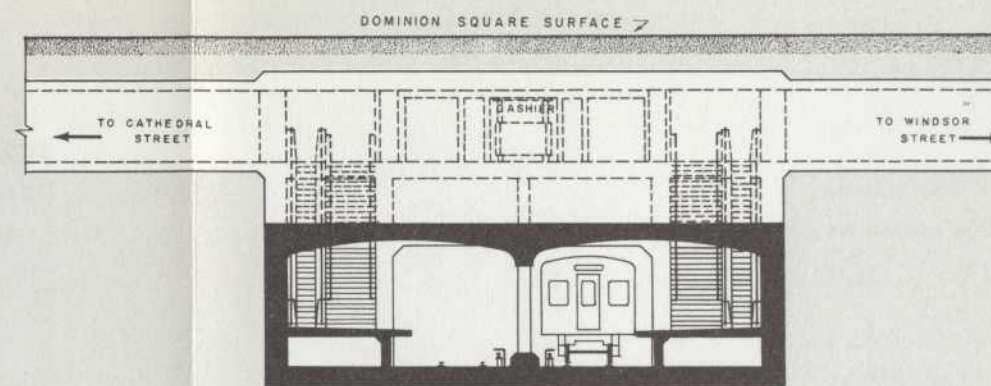
DOMINION SQUARE STATION
GENERAL PLAN



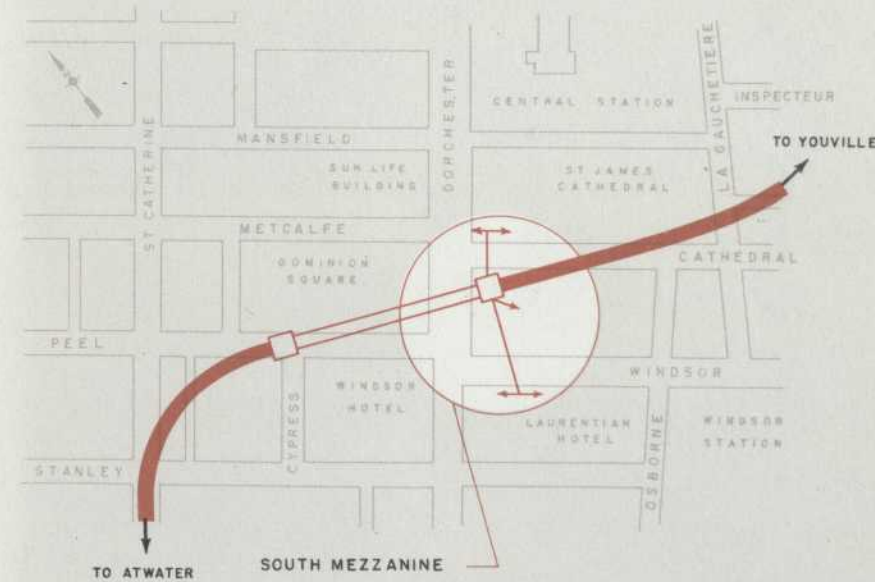
SOUTH MEZZANINE PLAN



LONGITUDINAL SECTION B-B

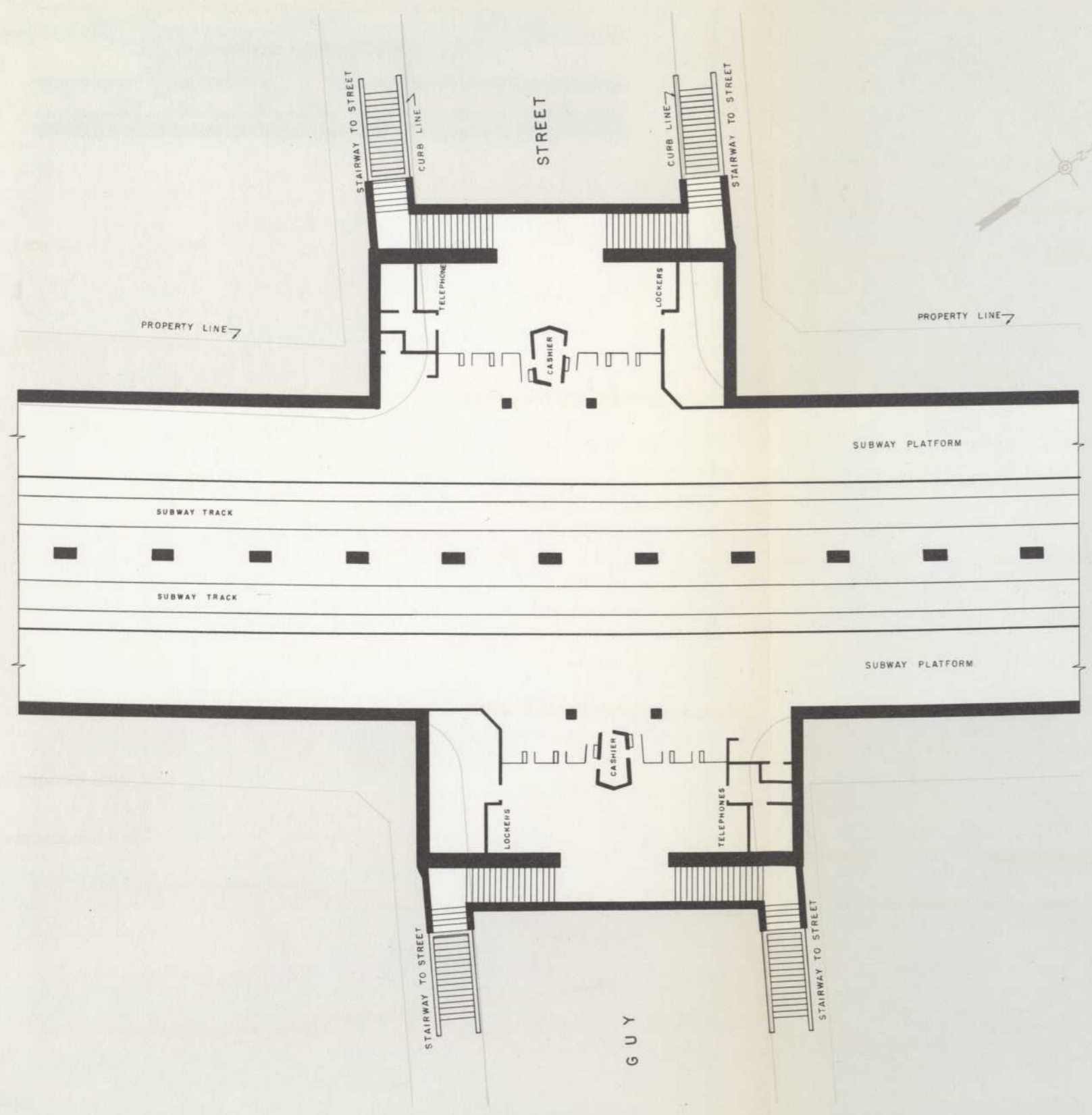


TRANSVERSE SECTION A-A



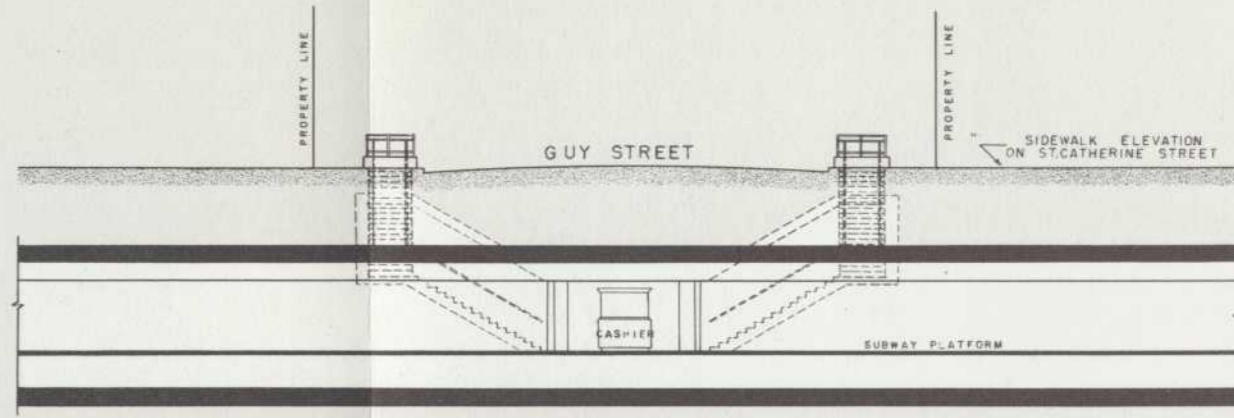
STATION LOCATION

**DOMINION SQUARE STATION
PLAN AND SECTIONS OF SOUTH MEZZANINE**

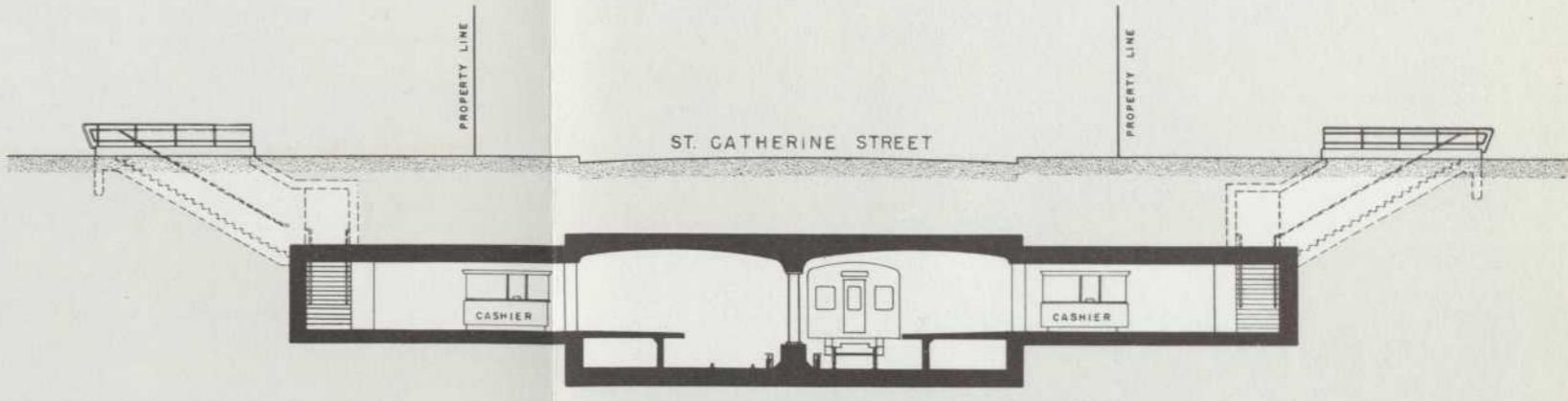


PLAN

ST. CATHERINE STREET



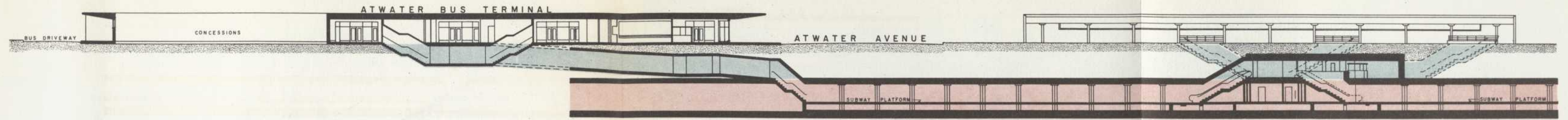
LONGITUDINAL SECTION



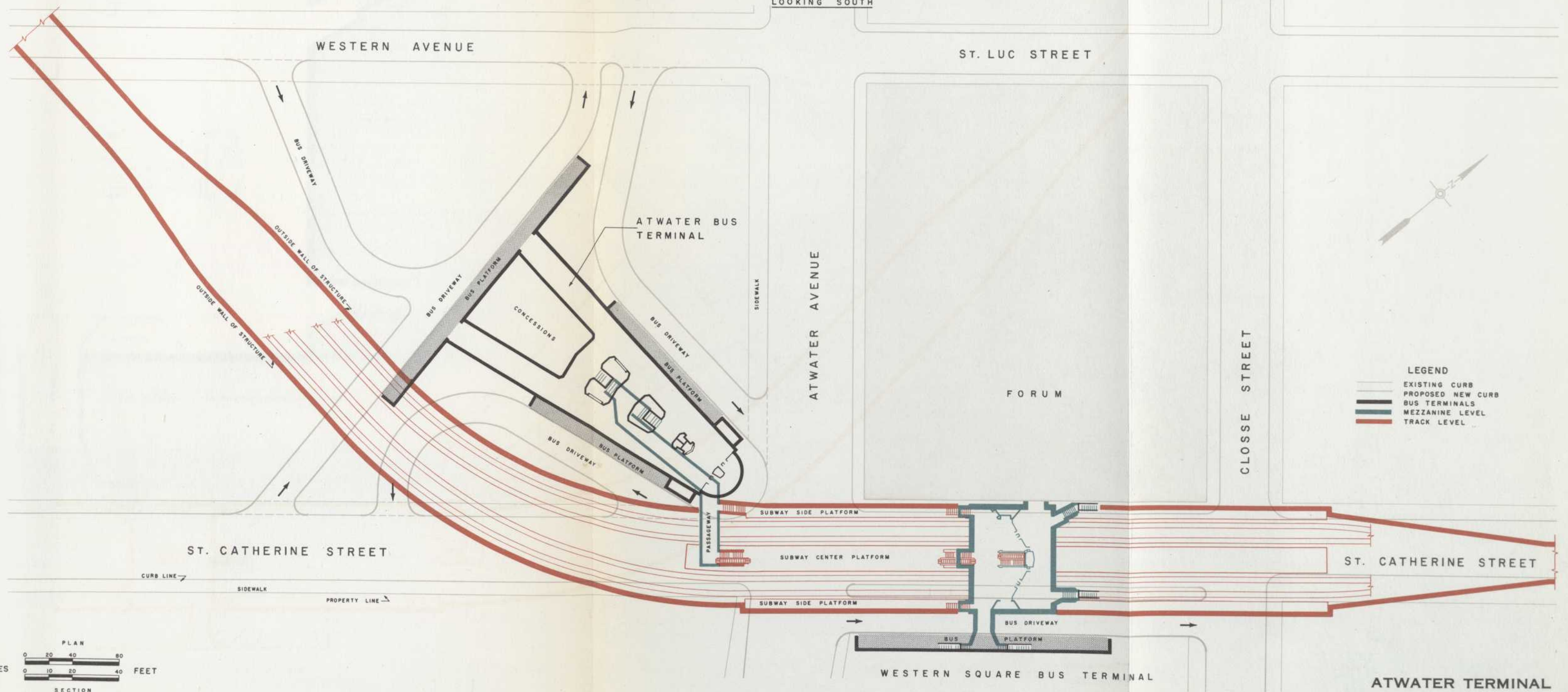
TRANSVERSE SECTION

GUY STATION
PLAN AND SECTIONS

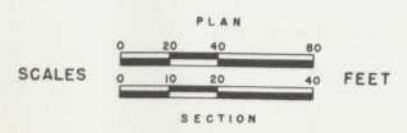
SCALE 0 6 12 24 FEET



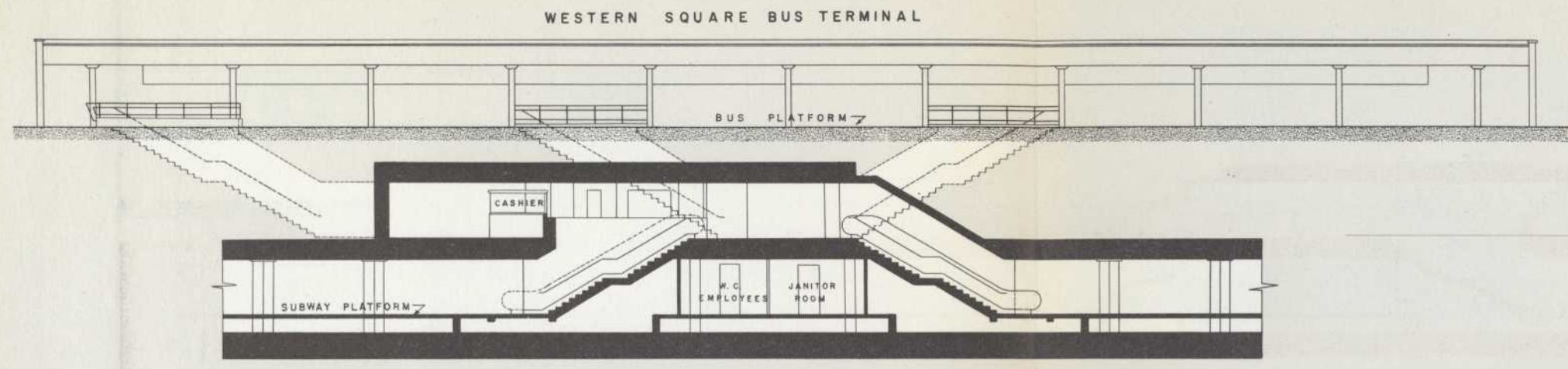
LONGITUDINAL SECTION THROUGH ATWATER SUBWAY STATION AND BOTH BUS TERMINALS
LOOKING SOUTH



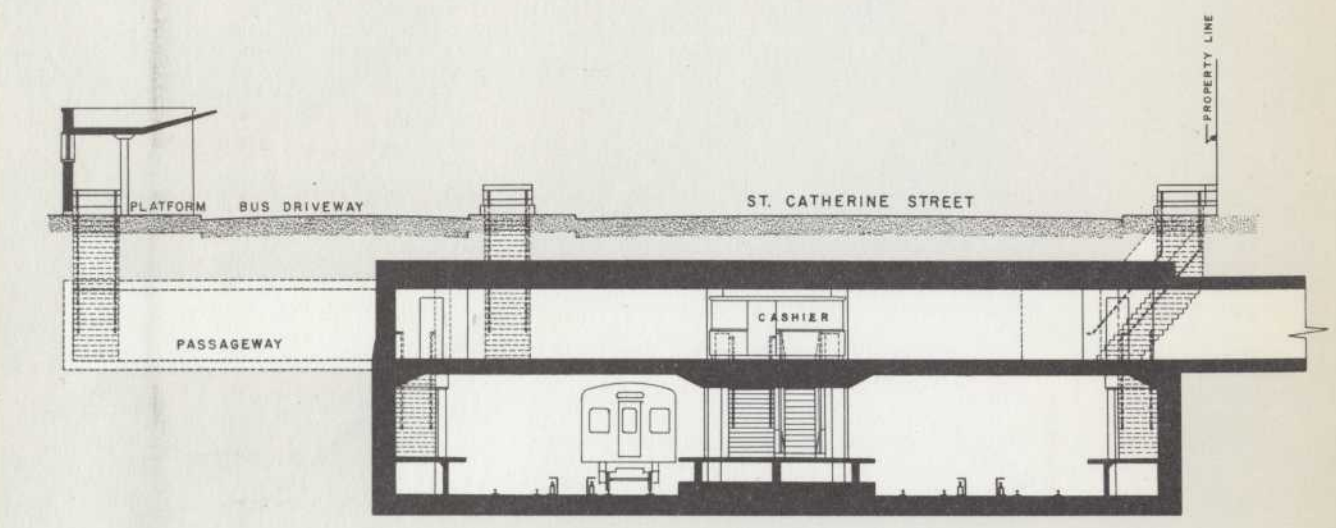
- LEGEND
- EXISTING CURB
 - PROPOSED NEW CURB
 - BUS TERMINALS
 - MEZZANINE LEVEL
 - TRACK LEVEL



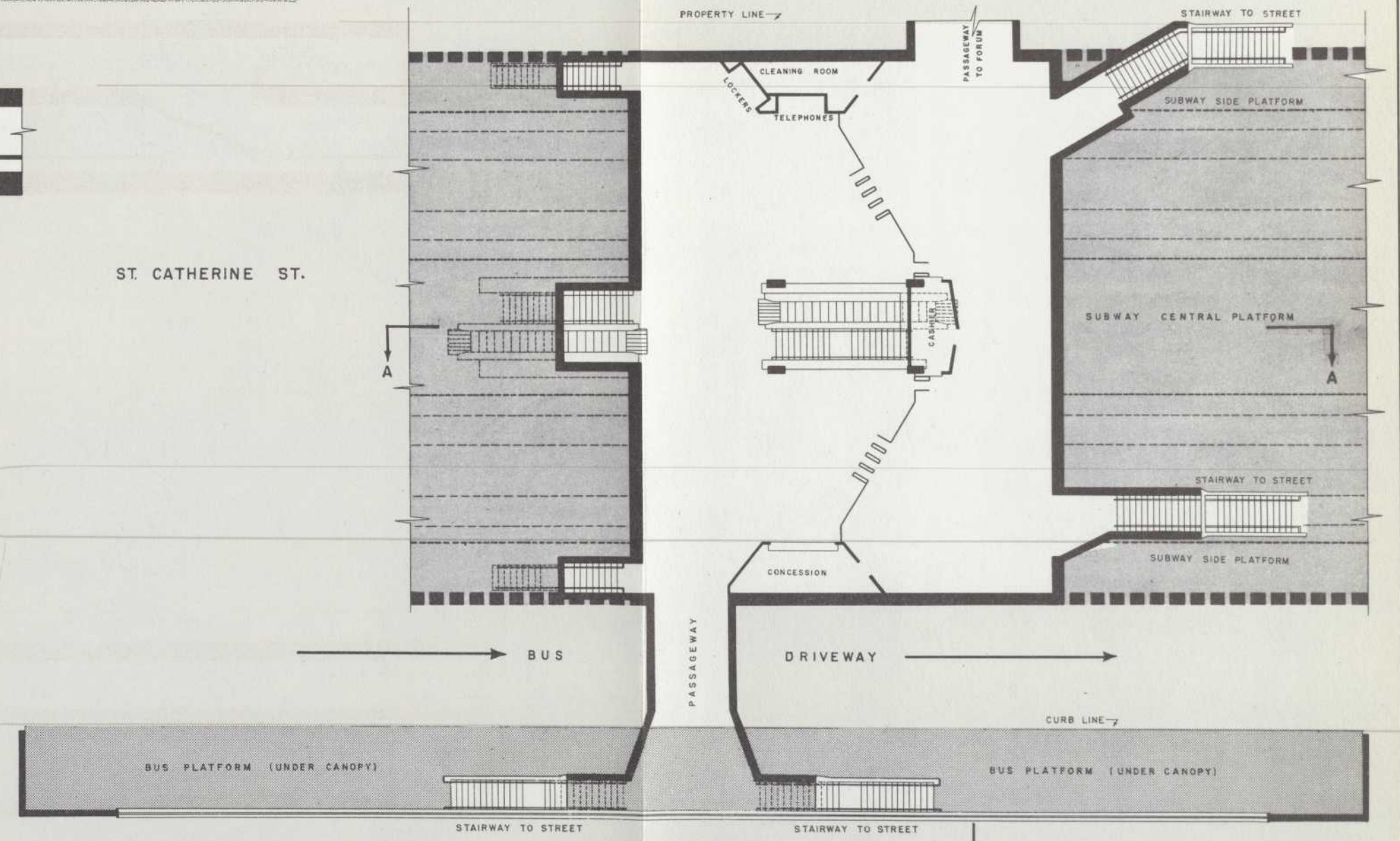
ATWATER TERMINAL
GENERAL PLAN AND SECTION



LONGITUDINAL SECTION A-A



TRANSVERSE SECTION B-B

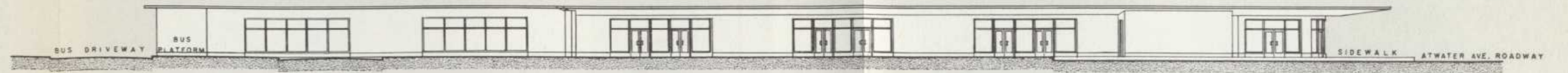


WESTERN SQUARE PLAN



ATWATER MEZZANINE STATION PLAN AND SECTIONS

ELEVATION—ATWATER BUS TERMINAL



- LEGEND
- Ⓐ CASHIER
 - Ⓑ BATTERY ROOM
 - Ⓒ SWITCHBOARD
 - Ⓓ JANITOR ROOM
 - Ⓔ W. C. (EMPLOYEES)
 - Ⓕ CONCESSION
 - Ⓖ BOILER ROOM

TO WESTERN AVE.

BUS DRIVEWAY

BUS PLATFORM UNDER CANOPY

TO ST. CATHERINE STREET

SCALE 0 8 16 32 FEET

BUS DRIVEWAY

BUS PLATFORM UNDER CANOPY

BUS PLATFORM UNDER CANOPY

BUS DRIVEWAY

ST. CATHERINE

SIDEWALK

TURNSTILE EXIT ONLY

TURNSTILE EXIT ONLY

PASSAGEWAY

ATWATER

SUBWAY TRACKS

SUBWAY TRACKS

FORUM

SUBWAY SIDE PLATFORM

SUBWAY CENTER PLATFORM

SUBWAY SIDE PLATFORM

AVENUE

SIDEWALK

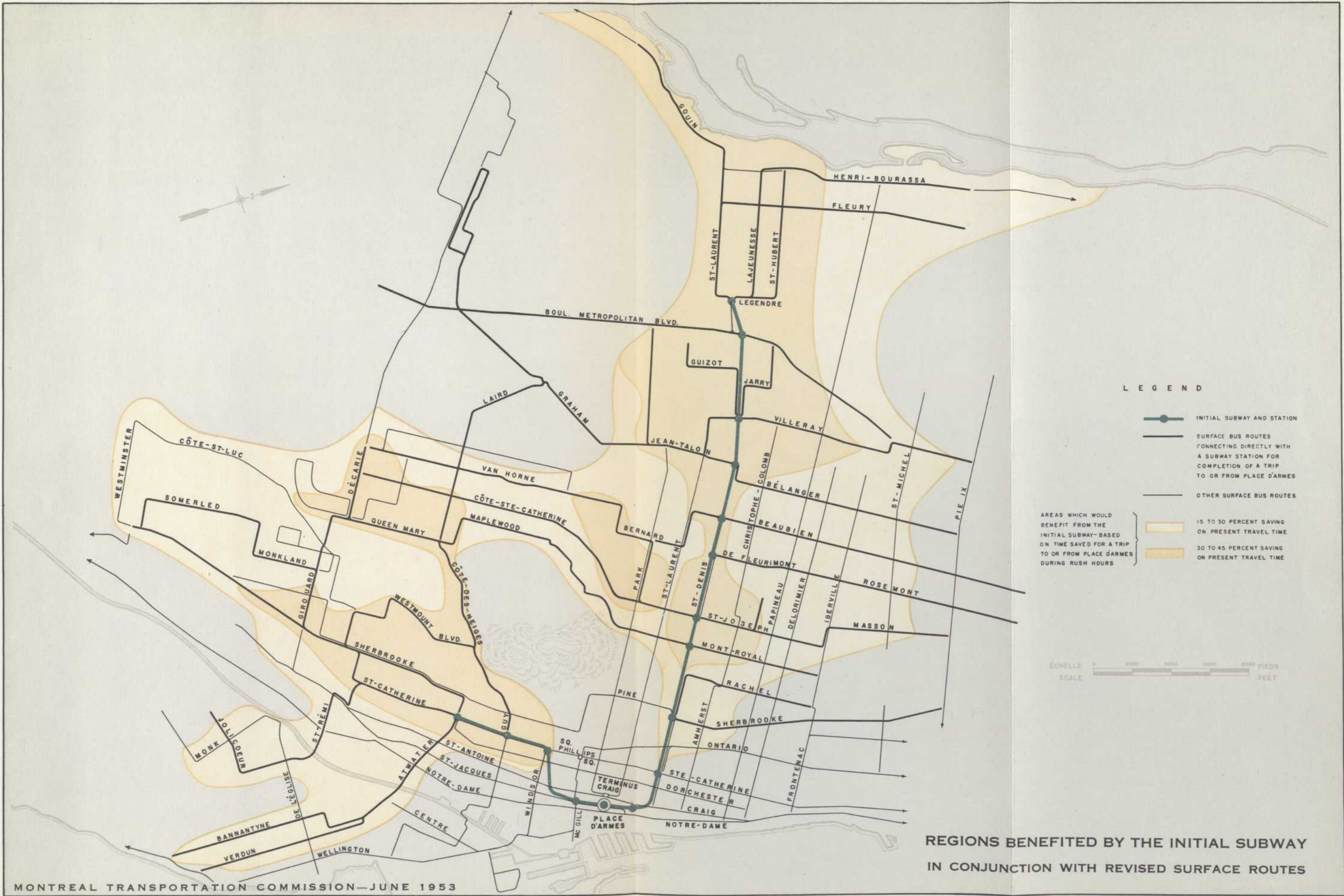
BUS DRIVEWAY

BUS PLATFORM UNDER CANOPY

SIDEWALK

WESTERN SQUARE

ATWATER BUS TERMINAL
PLAN AND ELEVATION



LEGEND

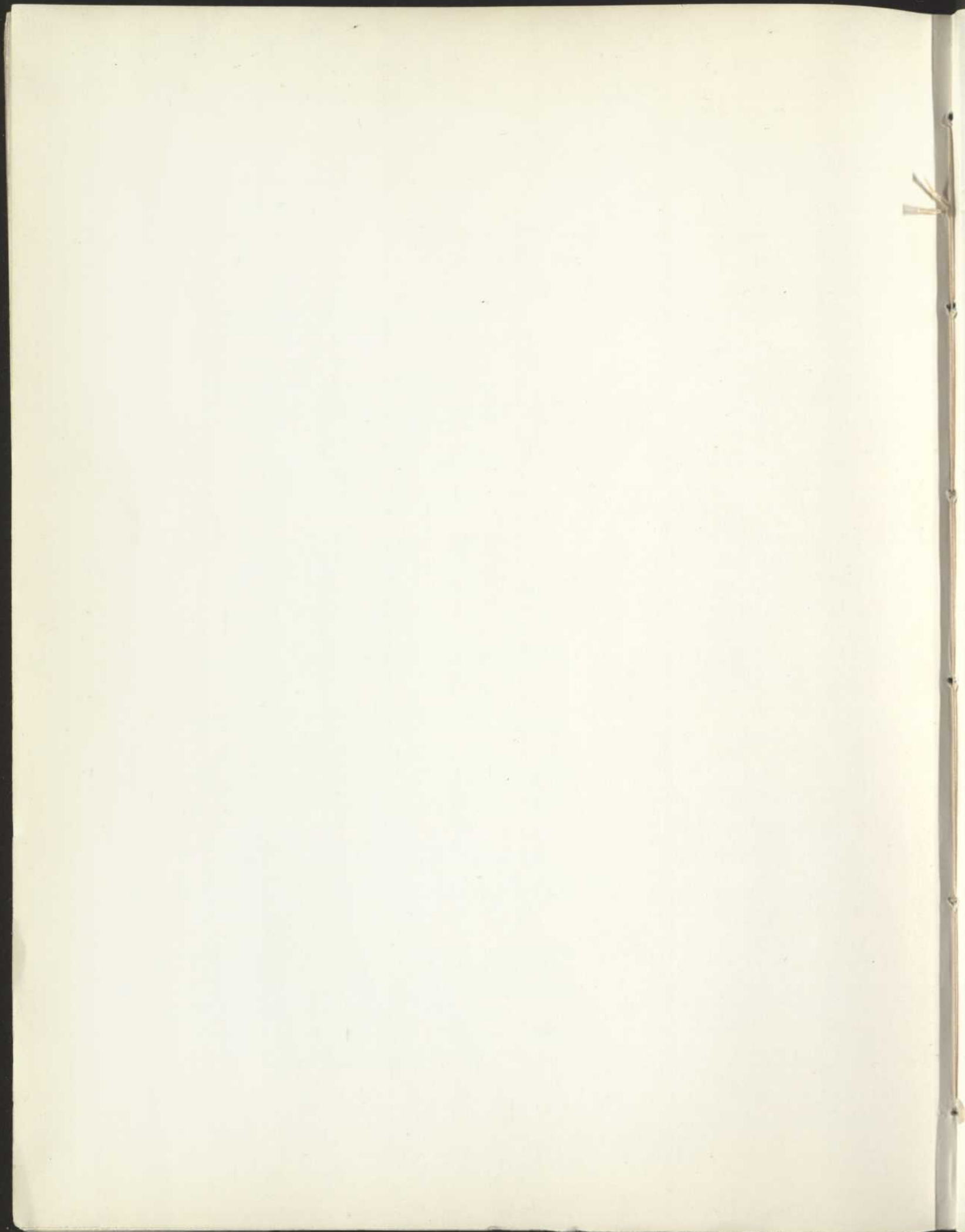
- INITIAL SUBWAY AND STATION
- SURFACE BUS ROUTES CONNECTING DIRECTLY WITH A SUBWAY STATION FOR COMPLETION OF A TRIP TO OR FROM PLACE D'ARMES
- OTHER SURFACE BUS ROUTES

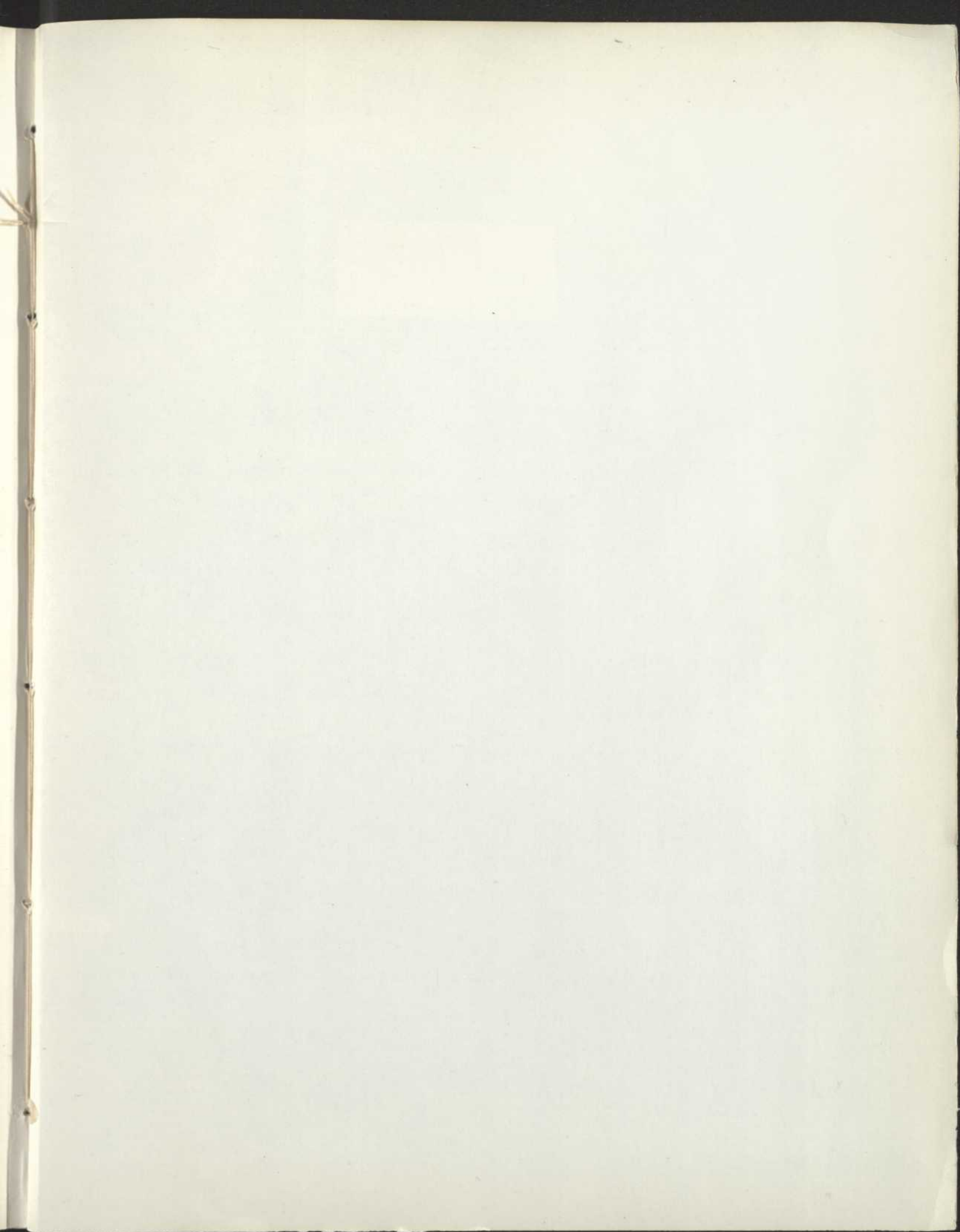
AREAS WHICH WOULD BENEFIT FROM THE INITIAL SUBWAY-BASED ON TIME SAVED FOR A TRIP TO OR FROM PLACE D'ARMES DURING RUSH HOURS

- 15 TO 30 PERCENT SAVING ON PRESENT TRAVEL TIME
- 30 TO 45 PERCENT SAVING ON PRESENT TRAVEL TIME

ÉCHELLE 0 2000 4000 6000 8000 PIEDS
SCALE 0 2000 4000 6000 FEET

REGIONS BENEFITED BY THE INITIAL SUBWAY
IN CONJUNCTION WITH REVISED SURFACE ROUTES





BNQ



C 000 199 747