

Main Street Markham, Hwy 7 to Bullock Drive Road Reconstruction and Streetscaping Improvements Cost Sharing Summary

Item	Description			Cost	Roads	Streetscaping	*Rogers Cable	Storm	Water	Sanitary
Section A	Preliminaries			\$ 170,750.00	\$ 52,946.77	\$ 105,665.54	\$ -	\$ 5,451.16	\$ 3,941.08	\$ 2,745.45
Section B	Removals			\$ 133,927.50	\$ 133,927.50	\$ -	\$ -	\$ -	\$ -	\$ -
Section C	Roads			\$ 385,435.00	\$ 346,675.00	\$ 38,760.00	\$ -	\$ -	\$ -	\$ -
Section D	Sewers			\$ 207,726.00	\$ 60,360.00	\$ 6,300.00	\$ -	\$ 93,816.00	\$ -	\$ 47,250.00
Section E	Electrical			\$ 705,574.00	\$ 370,266.00	\$ 335,308.00	\$ -	\$ -	\$ -	\$ -
Section F	Watermain			\$ 67,827.00	\$ -	\$ -	\$ -	\$ -	\$ 67,827.00	\$ -
Section G	Streetscaping			\$ 1,438,165.00	\$ -	\$ 1,438,165.00	\$ -	\$ -	\$ -	\$ -
Section I	Rogers			\$ 55,998.00			\$ 55,998.00			
	Construction - Tender bid (Adjusted amount):			\$ 3,165,402.50	\$ 964,175.27	\$ 1,924,198.54	\$ 55,998.00	\$ 99,267.16	\$ 71,768.08	\$ 49,995.45
	Construction - Tender bid (Opened Amount):			\$ 3,051,186.50	\$ 926,048.54	\$ 1,848,109.26	\$ 55,998.00	\$ 99,267.16	\$ 71,768.08	\$ 49,995.45
	Variance:			-\$ 114,216.00	-\$ 38,126.73	-\$ 76,089.27				
Section H	Provisional			Not Extended						
	Construction Contingency (15%)			\$ 457,677.97	\$ 138,907.28	\$ 277,216.39	\$ 8,399.70	\$ 14,890.07	\$ 10,765.21	\$ 7,499.32
	Contract Administration and Inspections (MES - 5.4%)			\$ 172,965.00	\$ 53,633.61	\$ 107,036.25	\$ -	\$ 5,521.88	\$ 3,992.20	\$ 2,781.07
	Contract Administration and Inspections Contingency (MES)			\$ 17,296.50	\$ 5,363.36	\$ 10,703.63	\$ -	\$ 552.19	\$ 399.22	\$ 278.11
	Design Review (MH)			\$ 15,000.00	\$ 4,651.25	\$ 9,282.48	\$ -	\$ 478.87	\$ 346.21	\$ 241.18
	PO Increase (Detailed design) - MH			\$ 95,000.00	\$ 47,500.00	\$ 47,500.00	\$ -	\$ -	\$ -	\$ -
	OZA Inspections			\$ 35,000.00	\$ 10,852.93	\$ 21,659.11	\$ -	\$ 1,117.37	\$ 807.83	\$ 562.76
	Extended Opened Bid Amount		Sub-total:	\$ 3,844,125.97	\$ 1,186,956.97	\$ 2,321,507.12	\$ 64,397.70	\$ 121,827.54	\$ 88,078.76	\$ 61,357.88
	Capital Administration Fee (7.5% of \$2.3million)			\$ 172,500.00	\$ 53,263.10	\$ 104,174.52	\$ 2,889.76	\$ 5,466.85	\$ 3,952.42	\$ 2,753.35
	BIA Marketing Plan			\$ 33,000.00	\$ 10,232.76	\$ 20,421.45	\$ -	\$ 1,053.52	\$ 761.67	\$ 530.60
	HST Impact			\$ 71,273.42	\$ 21,709.74	\$ 43,325.99	\$ 1,260.87	\$ 2,235.14	\$ 1,615.96	\$ 1,125.72
			Total:	\$ 4,120,899.39	\$ 1,272,162.57	\$ 2,489,429.09	\$ 68,548.33	\$ 130,583.04	\$ 94,408.80	\$ 65,767.55

*Note: the cost related to the Rogers Cable duct structure works are to be upfronted by the City of Markham and to be recovered from Rogers Cable.

	Account Numbers				11079 / 12048	13036	11079 / 12048	12403	12328	12334
	Available Funding from Capital Accounts		A	\$ 2,569,601.71	\$ 900,042.31	\$ 1,378,800.00		\$ 130,583.04	\$ 94,408.80	\$ 65,767.55
	Rogers Cable Recovery		B	\$ 68,548.33			\$ 68,548.33			
	Operations Department - Asphalt Resurfacing Program		C	\$ 525,000.00		\$ 525,000.00				
	Total Project Cost		D	\$ 4,120,899.39	\$ 1,272,162.57	\$ 2,489,429.09	\$ 68,548.33	\$ 130,583.04	\$ 94,408.80	\$ 65,767.55
	Updated Shortfall		E=A+B+C-D	-\$ 957,749.35	-\$ 372,120.26	-\$ 585,629.09	\$ -	\$ -	\$ -	\$ -

ATTACHMENT 'A'

LEGEND

EXISTING PRIVATE TREES

STRATA CELLS

PROPOSED BOULEVARD TREES LOCATION

BENCHES

LITTER RECEPTACLES

BIG BELLY RECYCLING BINS

BIKE RACKS

ACCESSIBLE PARKING SPACE

EXISTING FIRE HYDRANTS

MILL AND PAVE

UNIT PAVING (ROADWAY)

UNIT PAVING (BOULEVARD & MEDIAN)

UNIT PAVING (DRIVEWAY)

3.0m UNIT PAVING CROSSWALK

2.0m CONCRETE SIDEWALK

2.0m CONCRETE SIDEWALK
(WITH 0.2m CONTINUOUS UNIT PAVERS
UNLESS OTHERWISE NOTED)

FULL DEPTH WIDENING

EX. STORM MANHOLE

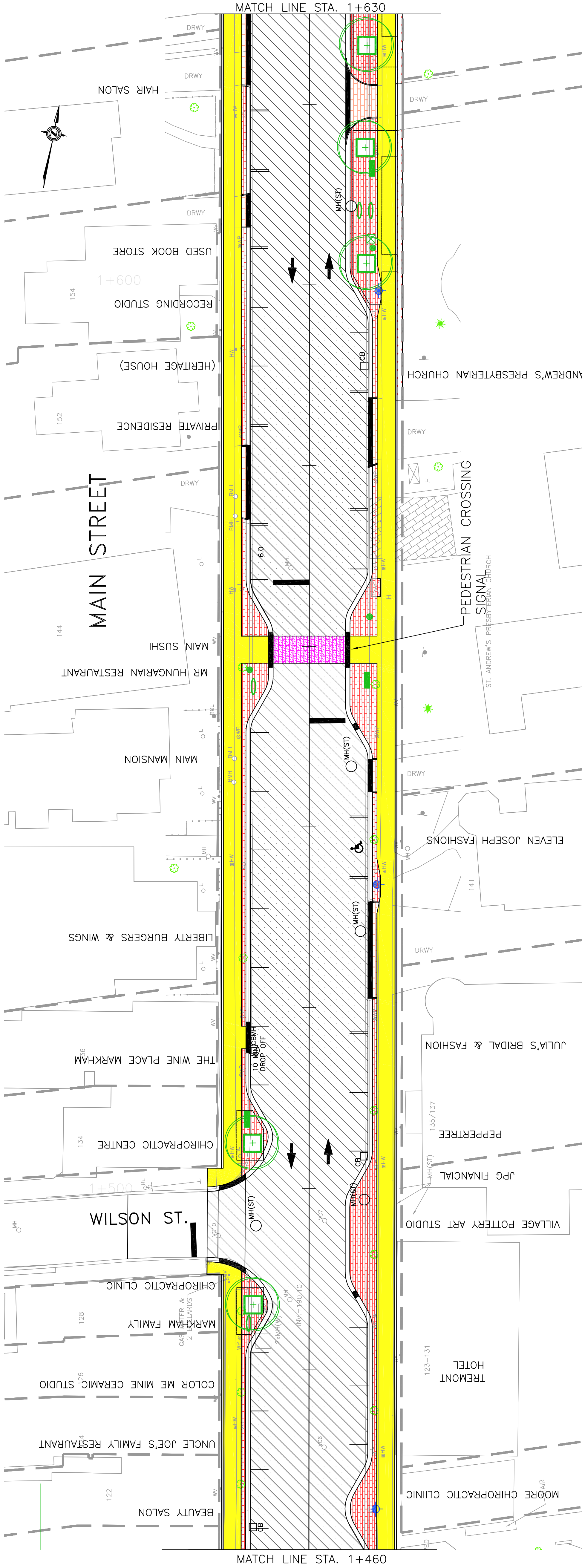
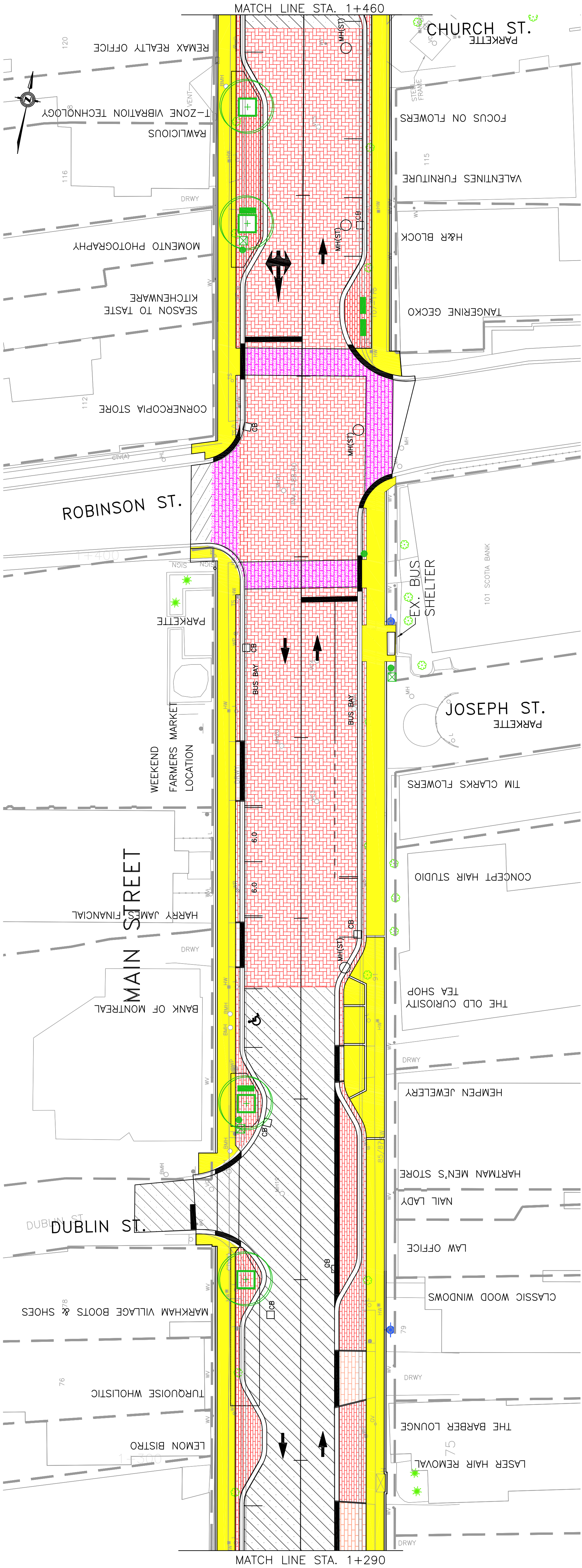
EX. CATCHBASIN

EX. CATCHBASIN MANHOLE

ITEM	TOTAL QUANTITY
PARKING SPACE	59
ACCESSIBLE PARKING SPACE	4
PASSENGER LOADING SPACE	1
TREES	32
BENCHES	14
LITTER RECEPTACLES	18
BIG BELLY RECYCLING BINS	8
BIKE RACKS	12

NOTE: PARKING SPACES ARE 6.5m x 2.5m TYPICAL UNLESS OTHERWISE NOTED

NO. AND LOCATION OF STREET FURNITURE TO BE CONFIRMED



THE CORPORATION OF THE CITY OF MARKHAM
ENGINEERING DEPARTMENT

RECONSTRUCTION OF
MAIN STREET MARKHAM
FROM HIGHWAY 7 TO BULLOCK DR.

M&M Design Consultants
53 Yonge Street
Toronto, Ontario M5E 1B5
Tel: (416) 452-2833
Email: mads@mmcg.com

MORRISON HERSHFELD

STREETSCAPE PLAN
STA. 1+290 TO STA. 1+630

DESIGN BY: EK/AM
DRAWN BY: MB/AM
SCALE: 1:250
VER: N/A

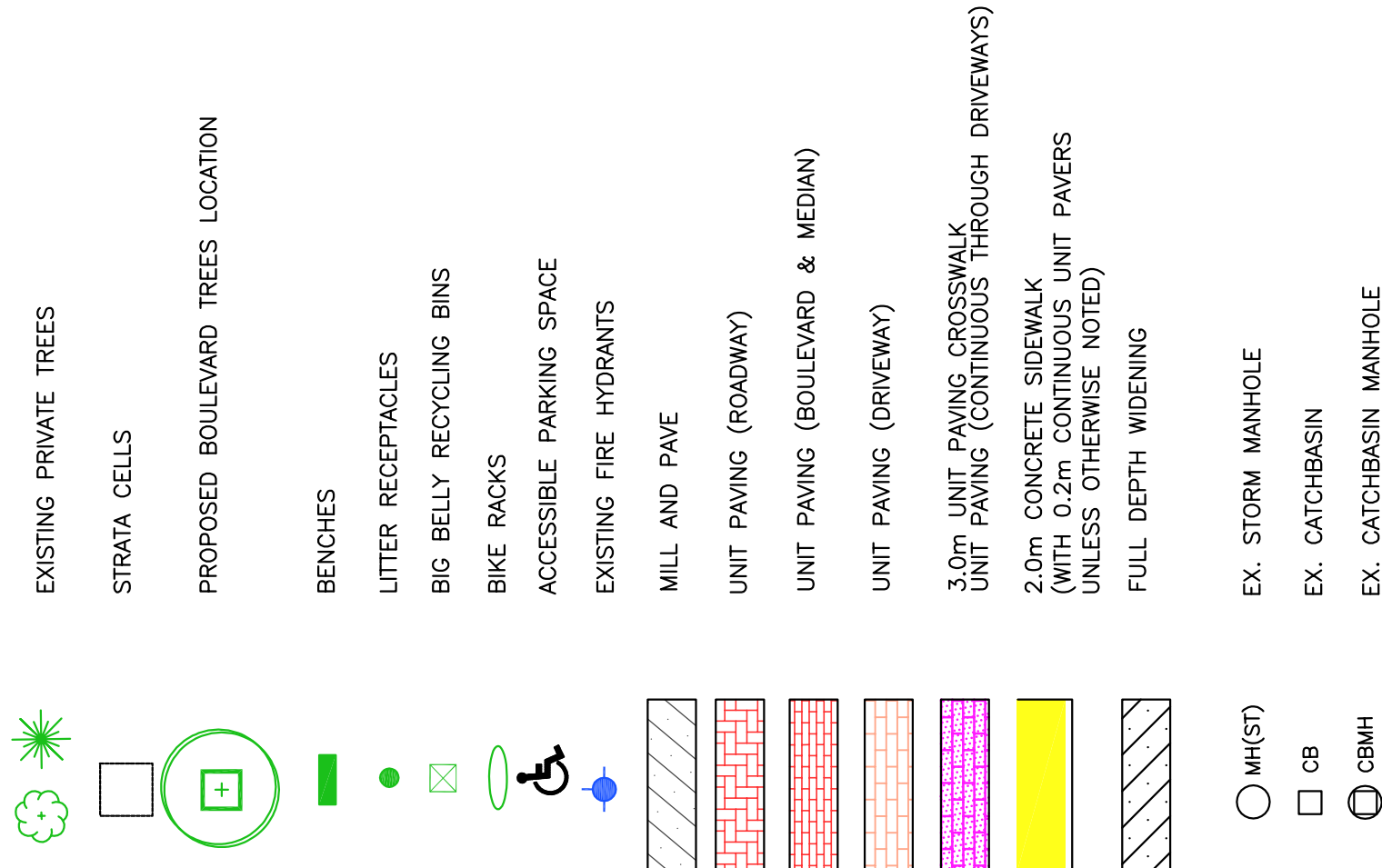
REVIEWED BY: PW/AM
CHECKED BY: EK/AM
DATE: MARCH, 2013

PROJECT No. 1114112

DRAWING No. L-2

Original Signed by: _____ Date: _____
Aam Brown, Director of Engineering

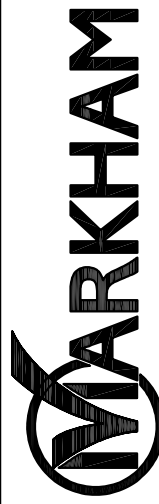
LEGEND



ITEM	TOTAL QUANTITY
PARKING SPACE	59
ACCESSIBLE PARKING SPACE	4
PASSENGER LOADING SPACE	1
TREES	32
BENCHES	14
LITTER RECEPTACLES	18
BIG BELLY RECYCLING BINS	8
BIKE RACKS	12

NOTE: PARKING SPACES ARE 6.5mx2.5m TYPICAL UNLESS OTHERWISE NOTED.

No. AND LOCATION OF STREET FURNITURE TO BE CONFIRMED


[illegible]

THE CORPORATION OF THE CITY OF MARKHAM
ENGINEERING DEPARTMENT

RECONSTRUCTION OF

MAIN STREET MARKHAM

FROM HIGHWAY 7 TO BULLOCK DR.



I&M Design Consultants
53 Doris Drive
Toronto, Ontario, M4B 3C7
Tel: (416) 453-2803
Email: mckie@rogers.com



MORRISON HERSHFIELD

STREETSCAPE PLAN

STA. 1+630 TO STA. 1+792.38

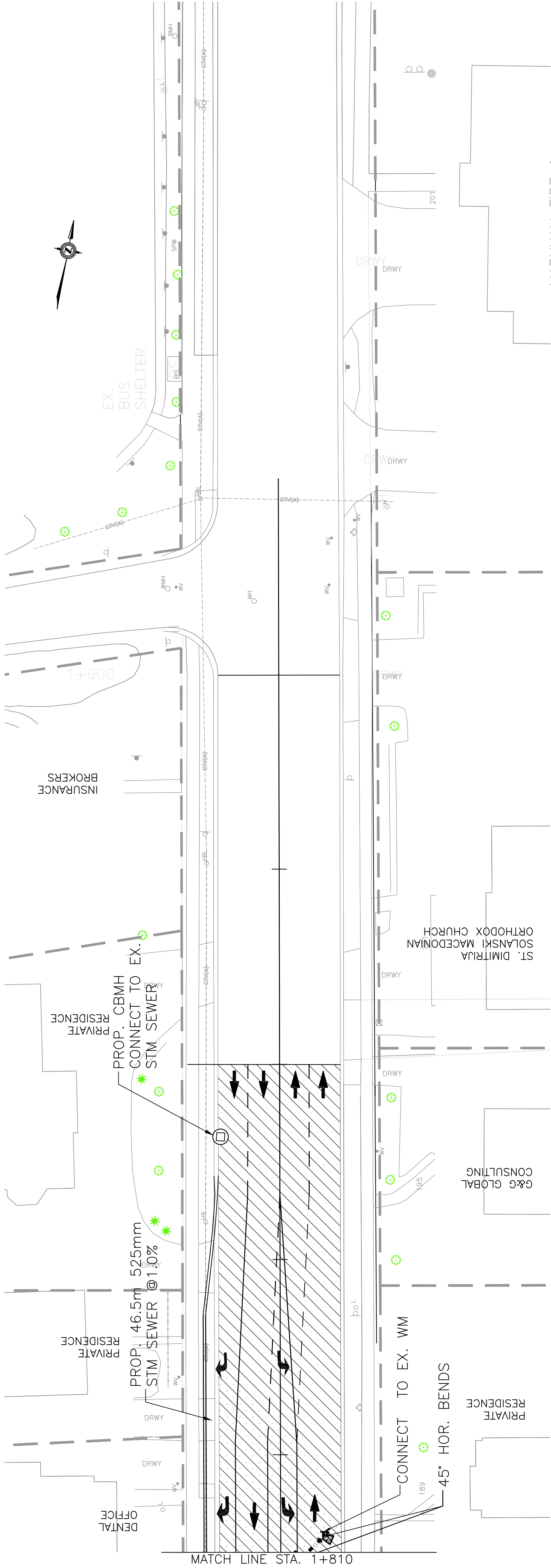
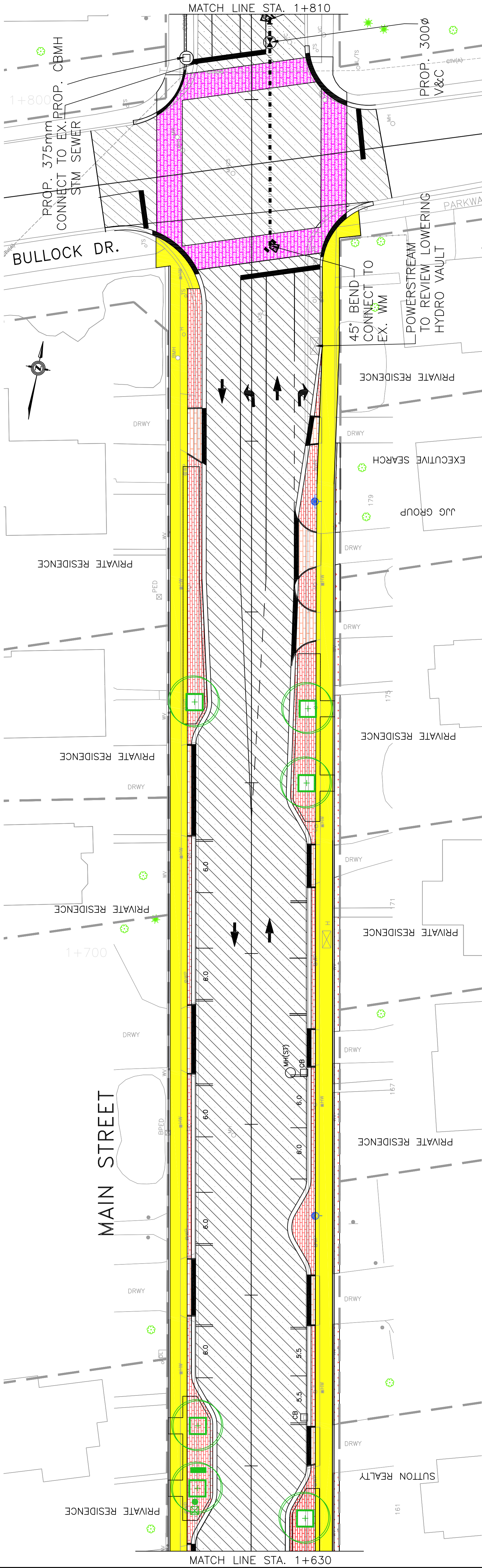
PROJECT	REVIEWED BY: PW/JM
	EK/JM

CHECKED BY: EK/JM

DATE: MARCH, 2013

Consulting Engineers,

_____ **Engineering** _____ **Date**



ATTACHMENT 'B'

NOTE:
1. DETOUR SIGNING SHALL BE IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL – BOOK 7.

LEGEND

CONSTRUCTION AREA

Business

MARKHAM VILLAGE BIA MARKETING

TEMPORARY TRAFFIC SIGN

(PDMS)

PORTABLE DIGITAL MESSAGE SIGN

MARKHAM

THE CORPORATION OF THE CITY OF MARKHAM
ENGINEERING DEPARTMENT

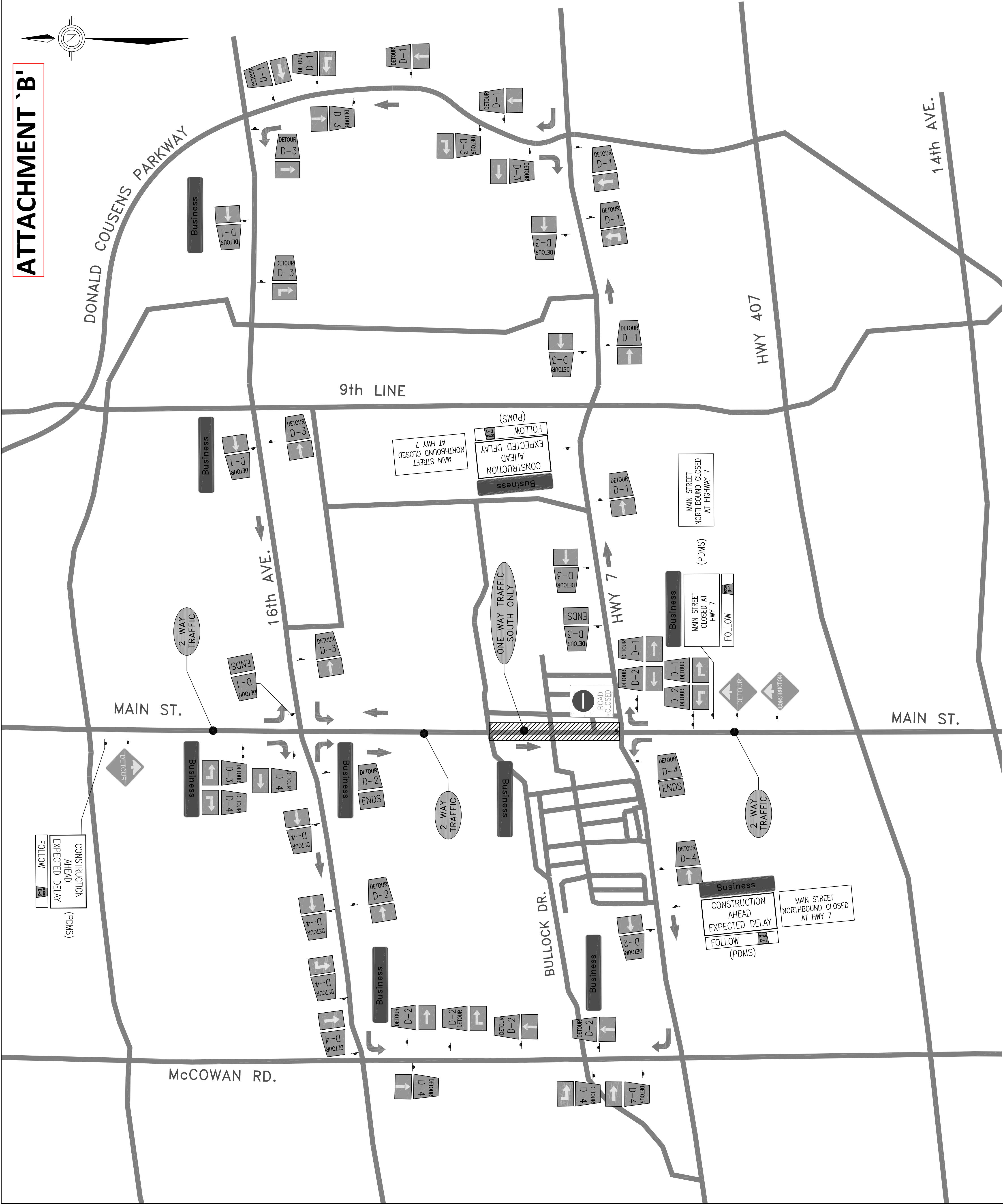
RECONSTRUCTION OF MAIN STREET
FROM HIGHWAY 7
TO BULLOCK DRIVE

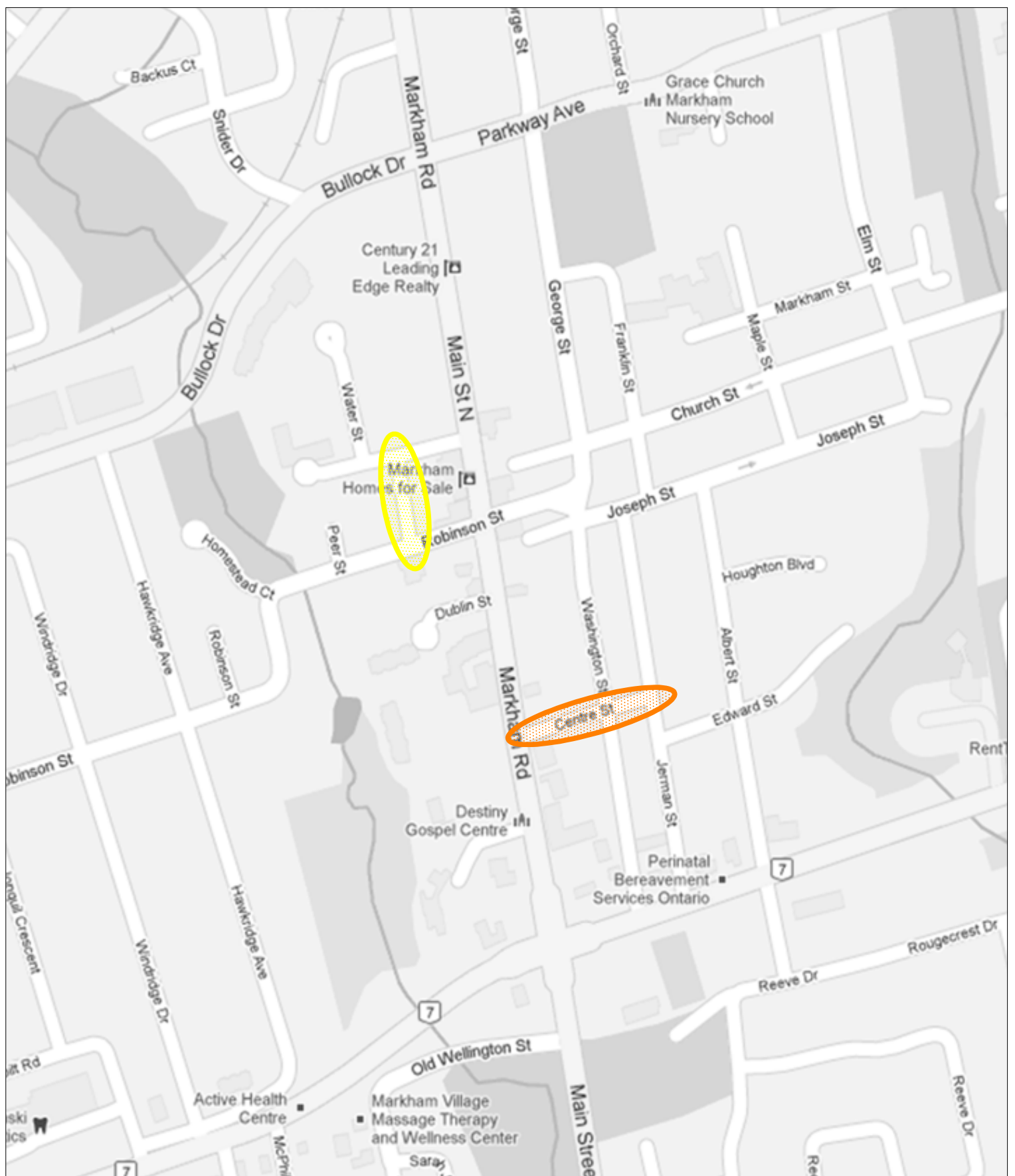
MH

MORRISON HERSHFIELD

APPENDIX 'F' – TRAFFIC MANAGEMENT PLAN

DESIGN BY: EK	CHECKED BY: PW	PROJECT No.
DRAWN BY: EK	CHECKED BY: PW	1114112
SCALE: N.T.S.	DATE: MAR, 2013	
Approved as to form in reliance upon the professional skill and ability of Morrison Hershfield Engineering Limited, Consulting Engineers, as to design and specification.		
Original Signed By: Alyn Brown, Director of Engineering	Date	





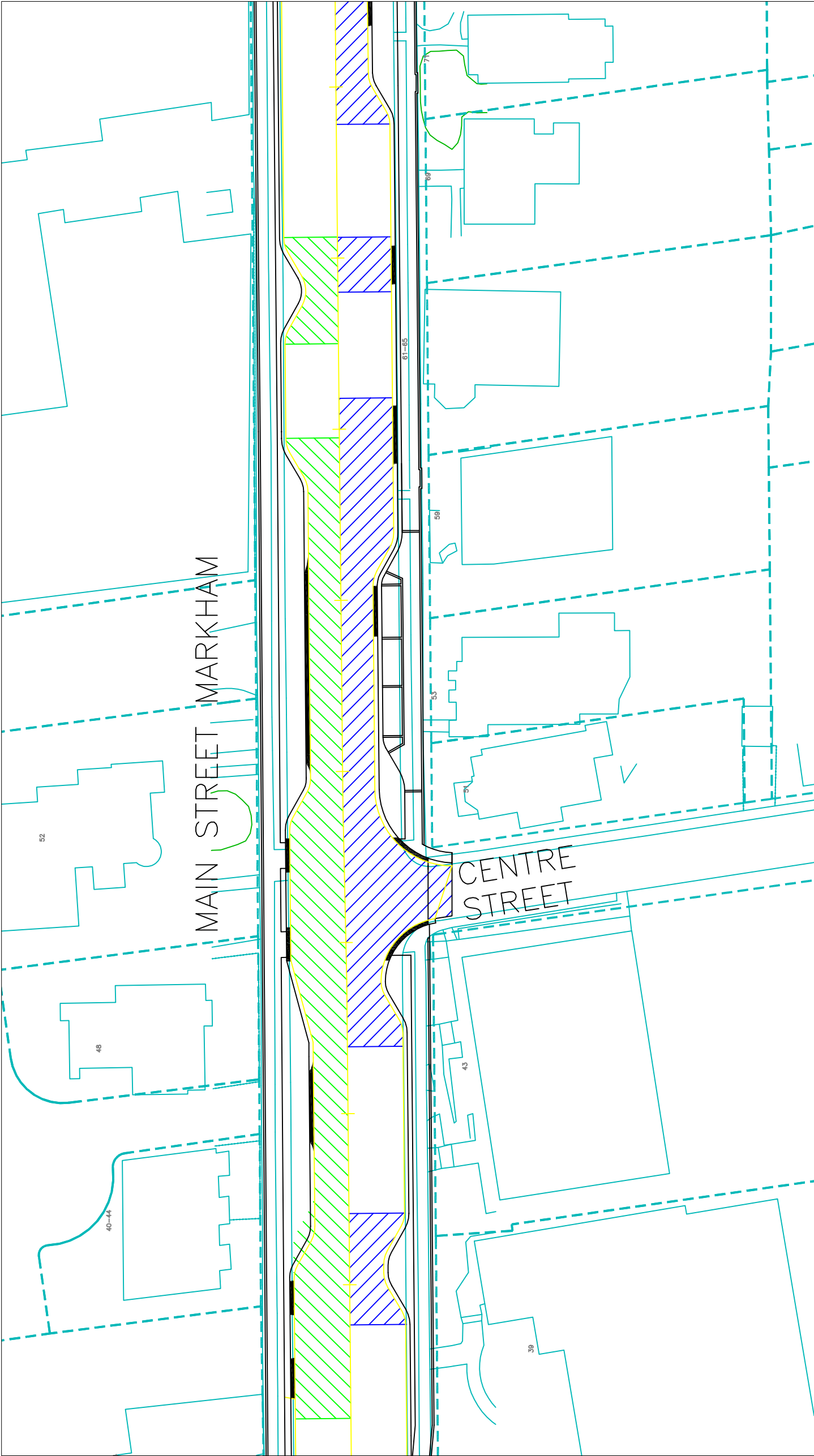
ATTACHMENT 'C1' - WATER STREET AND CENTRE STREET PERMANENT PARKING RESTRICTION



LEGEND

 EAST SIDE PARKING RESTRICTION

 WEST SIDE PARKING RESTRICTION

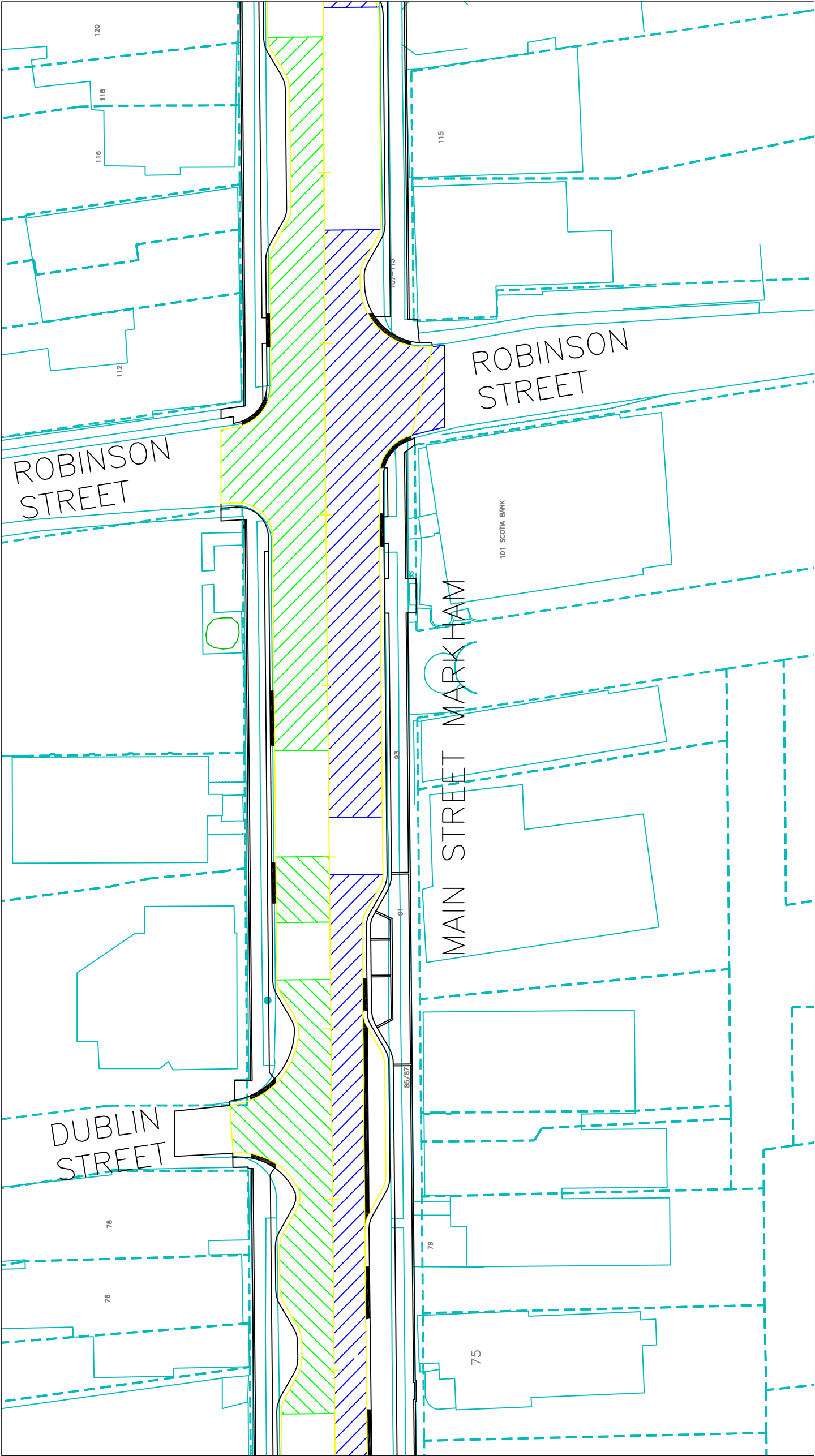


LEGEND

 EAST SIDE PARKING RESTRICTION

 WEST SIDE PARKING RESTRICTION

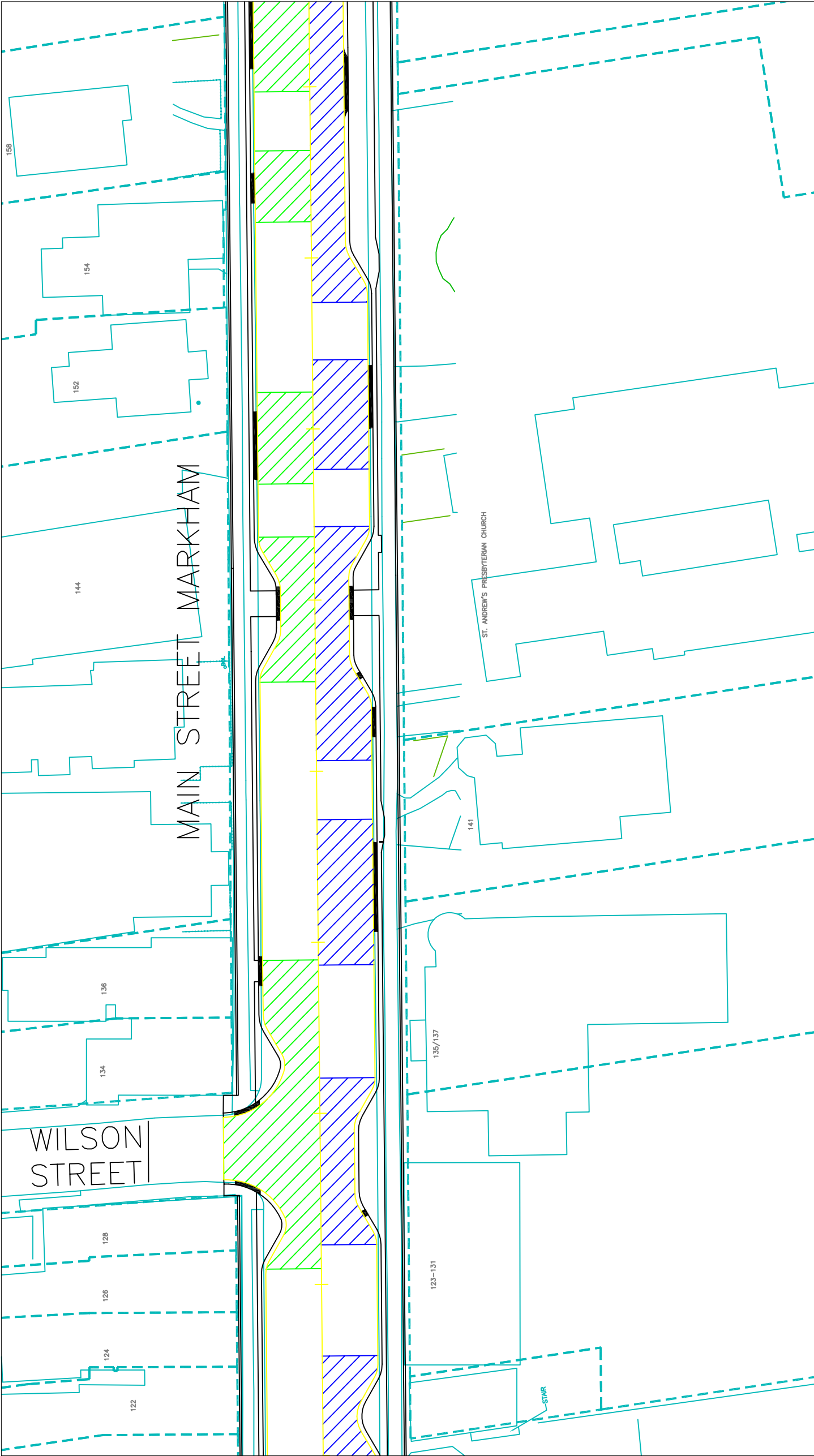
ATTACHMENT - C3 - PERMANENT NO-PARKING ON MAIN STREET MARKHAM	DATE	JUNE 6, 2013	SCALE	1:500
	DRAWN:	DF	PAGE	2 OF 5



LEGEND

 EAST SIDE PARKING RESTRICTION

 WEST SIDE PARKING RESTRICTION

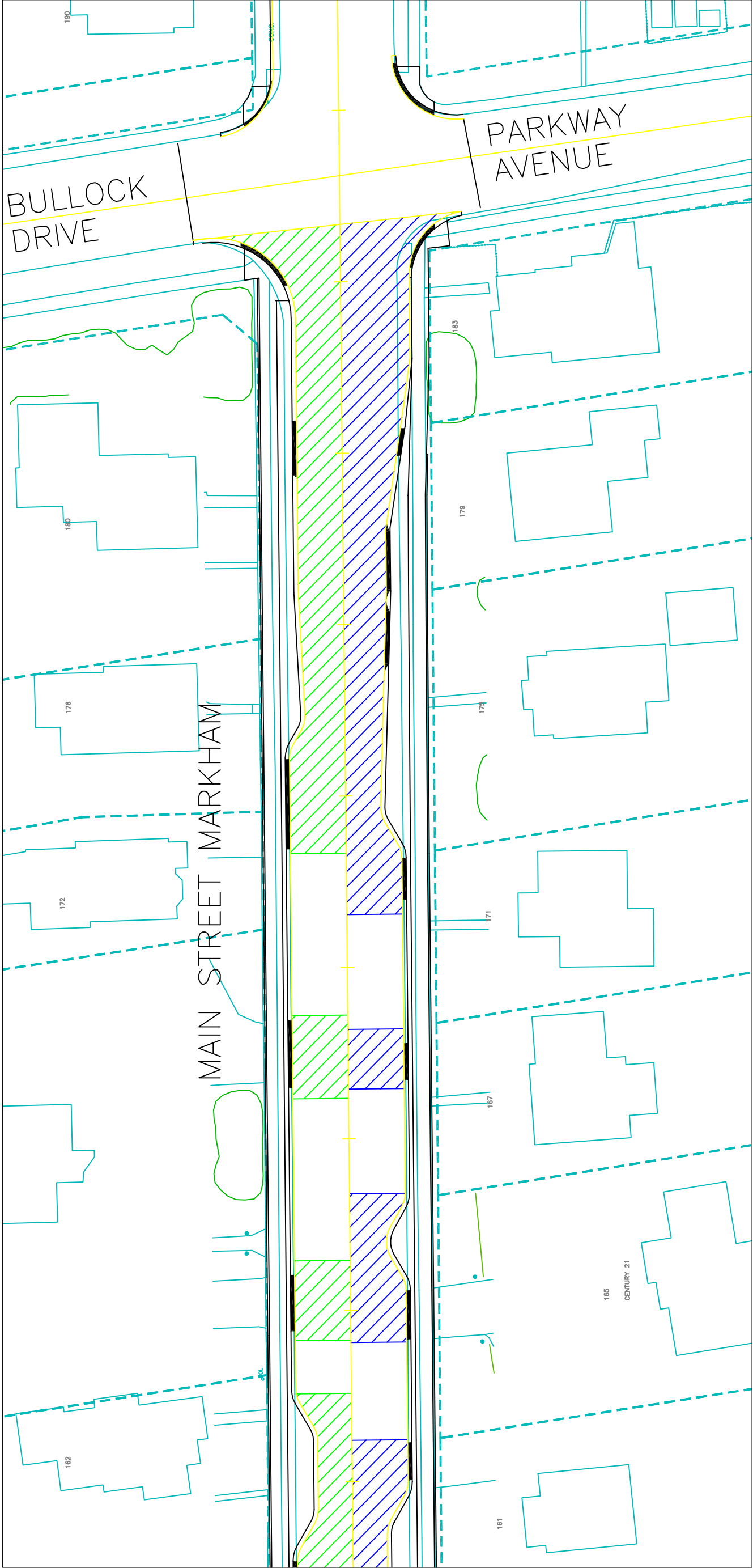


LEGEND

 EAST SIDE PARKING RESTRICTION

 WEST SIDE PARKING RESTRICTION

ATTACHMENT - C5 - PERMANENT NO-PARKING ON MAIN STREET MARKHAM		DATE	JUNE 6, 2013	SCALE	1:500
		DRAWN:	DF	PAGE	4 OF 5



LEGEND

EAST SIDE PARKING RESTRICTION

WEST SIDE PARKING RESTRICTION



BY-LAW NUMBER _____

TO AMMEND PARKING BY-LAW 2005-188

BE IT ENACTED BY THE COUNCIL OF THE CORPORATION OF THE CITY OF MARKHAM
THAT PARKING BY-LAW 2005-188 BE AND THE SAME IS HEREBY AMENDED AS FOLLOWS:

1. That Schedule "C" of Parking By-Law 2005-188, pertaining to "No Parking", be amended by adding the following:

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
<u>STREET</u>	<u>SIDE(S)</u>	<u>BETWEEN</u>	<u>PROHIBITED TIME OR DAYS</u>
Water Street	East and West	Wilson Street and Robinson Street	Anytime
Centre Street	North and South	Main Street Markham North and Jerman Street	Anytime
Main Street Markham North	East and West	As Shown on Attachment 'C2-C6'	Anytime

2. The By-Law shall come into force and effect upon receiving the third reading by the Council of the City of Markham and also when authorized signs have been erected.

**READ A FIRST, SECOND, AND THRID TIME AND PASSED THIS _____ DAY OF
_____, 2013**

**KIMBERLY KITTINGHAM
CITY CLERK**

**FRANK SCARPITTI
MAYOR**

ATTACHMENT 'D'