

File No. 04-1000-20-2016-101

April 29, 2016

s.22(1)

Dear s.22(1) :

Re: Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")

I am responding to your request of March 25, 2016 for:

Copies of all records evidencing the location and placement of traffic control signs and roundabouts for March 1, 2014 to March 31, 2014 encompassing, and including, the following:

- 1. Commencing at the intersection of Commercial Drive and Graveley Street westward to the intersection of McLean Drive and Graveley Street;**
- 2. then proceeding northward to the intersection of McLean Drive and Grant Street;**
- 3. then proceeding eastward to the intersection of Grant Street and Commercial Drive; and,**
- 4. then proceeding southward to the intersection of Commercial Drive and Graveley Street.**

All responsive records are attached. In order to better define the information on page 12 of this document, please note the following:

Date = Date the signal was installed

Type PCA = Pedestrian & Cyclist Actuated signal

AUD (01) = Audibles installed during 2001

CDT Activation = Countdown timers installed on July 26, 2015

Under section 52 of the Act you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your request. The Act allows you 30 business days from the date you receive this notice to request a review by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number assigned to your request (#04-1000-20-2016-101); 2) a copy of this letter; 3) a copy of your original request for information sent to the City of Vancouver; and 4) detailed reasons or grounds on which you are seeking the review.

Please do not hesitate to contact the Freedom of Information Office at foi@vancouver.ca if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read 'Barbara J. Van Fraassen', with a long, sweeping horizontal line extending to the right.

Barbara J. Van Fraassen, BA
Director, Access to Information
City Clerk's Department, City of Vancouver

Encl.

:kt

CITY OF VANCOUVER - ENGINEERING DEPT.
 TRANSPORTATION DIVISION
 TRAFFIC CONTROL DEVICE DIAGRAM

STREET McLEAN @ GRAVELY FROM GRAVELY TO _____ NO. _____
 BLOCK NO. _____ AUTHOR Bruce Phillips LOCAL 7908

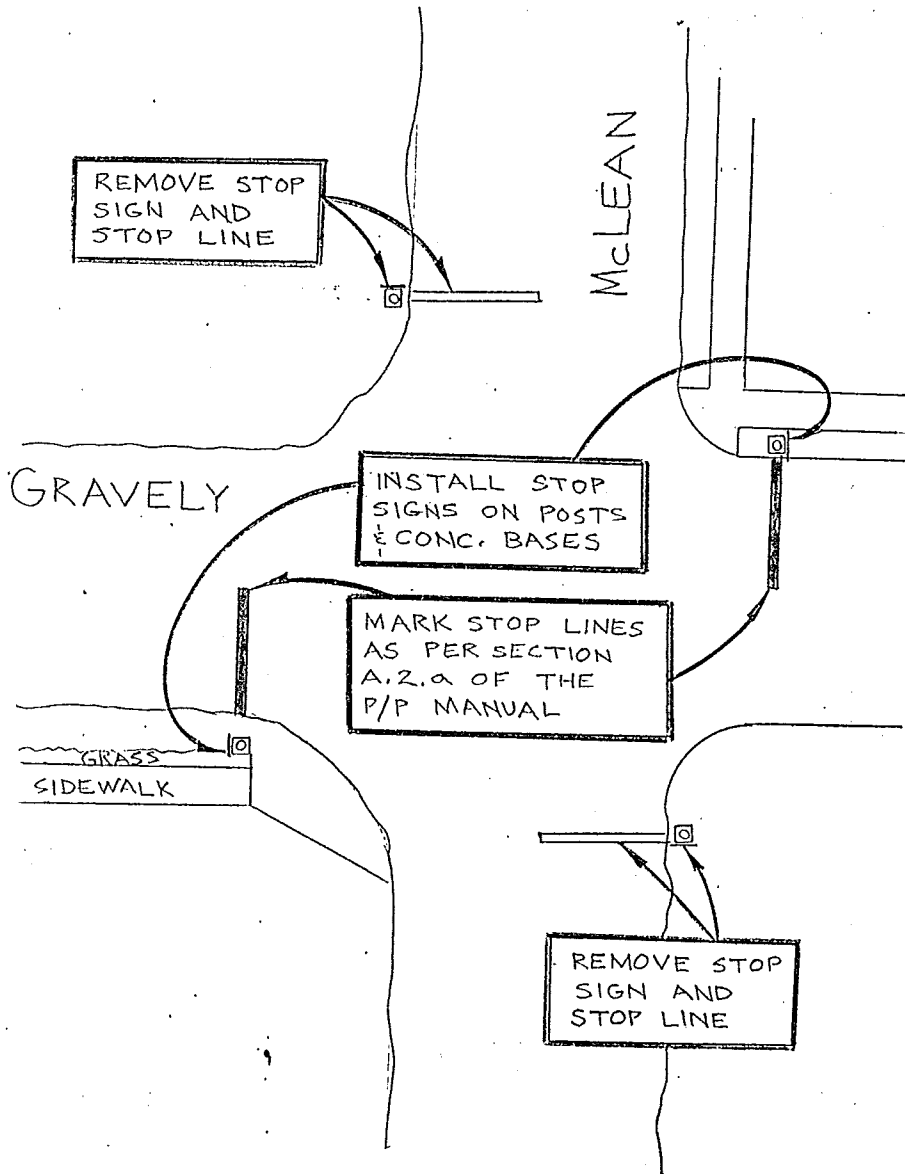


NOTE

IF NOT DONE ACCORDING TO C
 GRAM, SHOW REVISIONS IN R

LEGEND

- UTILITY POLE
- ⊙ WOODEN POLE
- ⊙ SIGNED POLE
- ⊙ POST & SLEEVE
- ⊙ POST & CONCRETE BAS
- I I BEAM
- BUS I.D. POST
- ⊙ HYDRANT
- SIGN
- OVERHEAD SIGN
- ⊗ DRIVEWAY
- ⊗ WHEELCHAIR RAMP
- J L LANE INTERSECTION
- △ CORNER CLEARANCE
- △ CROSSING CLEARANCE
- △ SINGLE PARKING METER
- △ TWIN PARKING METER



NOTES

SIGN NO.	NO. NEEDED
RA 1	2
POST & CONC. BASE	2
EXISTING SIGNS AND POSTS CAN BE RE-USED	

COMPLETED BY _____ 19_____
 CHECKED BY _____ 19_____

D12
 (REVISED) 010 676-MU1-01

CITY OF VANCOUVER ENGINEERING SERVICES
TRANSPORTATION DIVISION FORM 1

CENTRAL REGISTRY FILE #

D12

STREET(S) McLEAN & GRAVELY BLOCK(S) _____

PROJECT REVERSE STOP SIGN ORIENTATION FROM NORTH-SOUTH TO EAST WEST

SOURCE Neighbourhood Transportation DATE RECEIVED _____

ADDRESS _____ PHONE _____

INVESTIGATION

This neighbourhood was surveyed prior to the construction of the Mosaic Bikeway. Several returned surveys mentioned concerns about replacing the east-west Stop signs at intersection of Woodland and Gravelly with a traffic circle. The respondents felt that volumes on Gravelly were already too high and, because these were the only east-west Stop signs between Clark and Commercial, volumes would get even worse. Studies of the 2 streets found estimated ADT east-west volumes on Gravelly to be approximately 1100 vehicles per day compared to about 700 vehicles per day north-south on McLean. The 85th %ile speed on Gravelly of 52 km/h was also considerably higher than McLean, which had an 85th %ile speed of only 40 km/h. To make Gravelly less attractive as a shortcut route, it is recommended that the north-south Stop sign control at McLean and Gravelly be reversed.

INSTRUCTIONS

- Install east-west Stop signs on posts and concrete bases as indicated on the attached diagram.
- Mark stop lines as per section A.2.a of the Policy/Procedure Manual.
- Install warning signs and flashers for the new Stop signs for an introductory period of 30 days.
- Remove the north-south Stop signs and stop lines.

INVENTORY

2 x RA 1 (STOP) ✓
2 x post & concrete base
Existing signs and posts can be re-used

RELOCATED
Sept 17/98
B.M.O.T.

Removed
Stop Bows
Sept 18/98
BC 905 9 UE

SEPT. 23.98
EAST/WEST
STOP LINES INSTALLED
RR/KN

828/18

ACCOUNT / WORK ORDER # ETSB5 DRWG ATTACHED YES NO TD# 98-963

CO-ORDINATE WITH: STREETS YES NO ELECTRICAL YES NO

ADVISE: POLICE YES NO PARKING ENFORCEMENT YES NO FIRE YES NO

AUTHOR Bruce Phillips LOCAL 7908 DATE September 8 19 98

SECTION HEAD _____ DATE _____ 19 98

TRAFFIC MGT ENG _____ NEIGHBOURHOOD ENG _____ PARKING ENG _____

DATE _____ 19 _____ DATE Sept. 8 19 98 DATE _____ 19 _____

STRATEG. TRANS. ENG _____ CITY ENGINEER _____ A.C.E. TRANS _____

DATE _____ 19 _____ DATE Sept 9 19 98 DATE _____ 19 _____

COMPLETED BY: WADE REAGAN DATE SEPT. 23 19 98

NOTIFIED: POLICE _____ PARKING ENF. _____ OTHER _____ DATE 19 OCT 19 98

CHECKED BY: DE DATE OCT 1 19 98

UPDATE INVENTORY FILES: YES NO BY: _____ DATE _____ 19 _____

ROUTING: ~~BAP~~ / - / ~~DPL~~ / ~~AWR~~ / AA / ~~AKP~~ / OB /
AUTHOR SEC. HEAD BR. HEAD FUNDS APPR. A.C.E. AUTHOR TD. SEC.

~~TRAFIC~~ / CEB / - / DTL / BAP / SF / - /
TD SEC. SEC. HEAD BR. HEAD AUTHOR T/M PARKING BR. MGMT.

USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV., ALSO NOTE BRANCH ENG 649



LEGEND

- ▲ PROPOSED STOP SIGN
- ◄ EXISTING STOP SIGN
- ⊙ TRAFFIC CIRCLE
- Ⓣ TRAFFIC SIGNAL



1994

D12

CITY OF VANCOUVER - ENGINEERING DEPT.
 TRANSPORTATION DIVISION - FORM 1

Central Registry File #
 D12

STREET CLARK DR. TO COMMERCIAL DR./ BLOCK(S) _____
VENABLES ST. TO BROADWAY
 PROJECT INSTALL STOP SIGNS IN THE AREA BOUNDED BY CLARK DRIVE TO
COMMERCIAL DRIVE AND VENABLES STREET TO BROADWAY.

SOURCE TRAFFIC MANAGEMENT DATE RECEIVED _____
 ADDRESS _____ PHONE _____

INVESTIGATION

This July, First Avenue will be temporarily closed from Clark Drive to Commercial Drive for sewer pipe reconstruction. Vehicular traffic will be detoured around this area during construction. Due to increased traffic on side streets, the stop sign infill will be completed in the area bounded by Venables Street to Broadway and Clark Drive to Commercial Drive.

INSTRUCTIONS

- Install stop signs at locations indicated on the attached sheets.
- Paint stop lines at locations marked in the field by Traffic Management (as per Section A.2.a of the Policy/ Procedure manual).
- Install warning signs and flashers for an introductory period of 30 days.

SIGN INVENTORY

- 32 stop signs (RA-1)
- 30 posts and concrete bases

ACCOUNT / WORK ORDER # EDC22121 DRWG ATTACHED YES NO _____ TD # _____
 CO-ORDINATE WITH: STREETS YES _____ NO ELECTRICAL YES _____ NO

AUTHOR S. Yee LOCAL 7908 DATE MAY 17, 94
 SECTION HEAD Mike Blah DATE May 17 19 94

TRAFFIC MGMT ENG <u>S. Ballard</u> DATE <u>May 18 19 94</u>	TRANSIT ENG _____ DATE _____ 19 ____	PARKING ENG _____ DATE _____ 19 ____
ASST CITY ENGINEER - PROJECTS DATE _____ 19 ____	ASST CITY ENG TRANSPORTATION <u>[Signature]</u> DATE <u>May 19 19 94</u>	CITY ENGINEER <u>[Signature]</u> DATE <u>May 19 19 94</u>

COMPLETED BY : _____ DATE _____, 19 ____
 NOTIFIED : POLICE _____ PARKING ENF _____ OTHER _____ DATE _____, 19 ____
 CHECKED BY : _____ DATE _____, 19 ____
 INVENTORY FILES UPDATED BY : _____ DATE _____, 19 ____

ROUTING: SY / MRZ / EAB / - / [Signature] / DHRV / SY / - / MC
 AUTHOR SEC HEAD BR. HEAD FUNDS APPR A.C.E. C.E. AUTHOR PP LIST TD SEC.
 /TRAFFIC / MC / - / MRZ / EAB / SY / LMT / - / _____ / CENTRAL
 OPS TD SEC. PP LIST SEC HEAD BR. HEAD AUTHOR EA 1 T/M EA 1 PARKING REGISTRY

USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV, ALSO NOTE BRANCH.
 ENG 649-91

Central Registry File #

CITY OF VANCOUVER - ENGINEERING DEPT.
TRANSPORTATION DIVISION - FORM 1

STREET _____ BLOCK(S) _____

PROJECT INSTALL STOP SIGNS AT GRANT AND COTTON AND GRAVELEY AT WOODLAND DRIVE

SOURCE Alderman Bellamy DATE RECEIVED July 3, 1990

ADDRESS _____ PHONE _____

INVESTIGATION

Stop signs are recommended because of the increased accident trend and traffic volumes at these locations.

INSTRUCTIONS

- Install eastbound Stop sign on Grant at Cotton with post and concrete base
- Install westbound Stop sign on Grant at Cotton on lamp standard 1/66
- Install eastbound Stop sign on Graveley at Woodland on lamp standard 4/64
- Install westbound Stop sign on Graveley at Woodland with post and concrete base
- Paint Stop lines at locations marked out in field by Traffic Management (As per section A.2.a of the Policy and Procedure Manual).
- Install warning signs and flashers for an introductory period of 30 days

SIGN INVENTORY

- 4 Stop signs (RA-1)
- 2 posts and concrete bases

ETS B5

Signs ORDERED AUG 15/90

RECEIVED AUG 14 1990

SR

ACCOUNT # ETS B5 AUTH _____ DRWG ATTACHED YES X NO _____ TD # 90-149
 CO-ORDINATE WITH: STREETS YES _____ NO X ELECTRICAL YES _____ NO X
 AUTHOR S. Kirk LOCAL 7908 DATE July 18, 1990

TRAFFIC MGMT <input checked="" type="checkbox"/> TRANSIT <input type="checkbox"/> PARKING <input type="checkbox"/>	ACE. PROJECTS _____	CITY ENGINEER _____
BRANCH ENGINEER <u>A. M. Henderson</u>	ACE. TRANSPORT <u>Order</u>	DATE <u>Aug 9, 1990</u>
DATE <u>Aug 8, 1990</u>	DATE <u>Aug 8, 1990</u>	

COMPLETED BY Signs used R.E. DATE Aug 20, 1990
 CHECKED BY D. W. ... DATE AUG 26, 1990

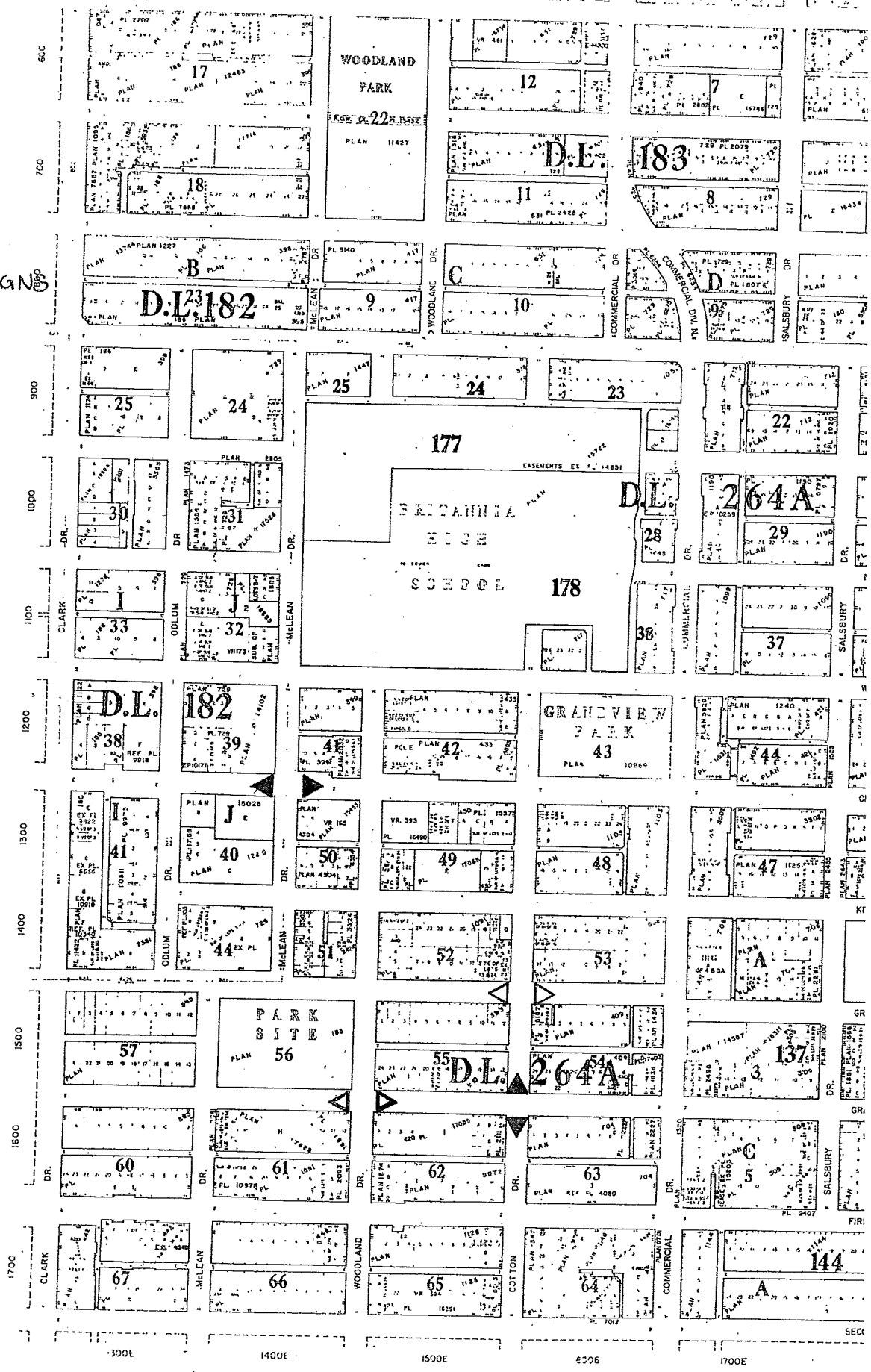
NOTIFIED: POLICE _____ PARKING ENF _____ OTHER _____ DATE _____, 19 _____

ROUTING/ SR / BPA / DMH / MPB / NHC / BAA / MM / _____
 AUTHOR SEC HEAD BR. HEAD A.C.E. C.E. AUTHOR PP LIST TD SEC.

/TRAFFIC / SR / _____ / DMH / SR / BAD / _____ / _____
 OPS TD/SEC. PP LIST BR. HEAD AUTHOR EA 1 T/M EA 1 PARKING CENTRAL REGISTRY

USE INITIALS TO INDICATE ROUTING. IF GOING OUTSIDE TRANSPORTATION DIV, ALSO NOTE BRANCH.

▲ EXISTING STOP SIGNS
 △ PROPOSED S.S.



THIS MAP WAS COMPILED BY
 CITY ENGINEERING DEPARTMENT, VANCOUVER, B.C.
 THE CITY OF VANCOUVER ASSUMES NO RESPONSIBILITY FOR
 THE CORRECTNESS OF INFORMATION SHOWN

STREET McLEAN/GRAVELEY, WOODLAND/GRANT BLOCK(S) _____
PROJECT INSTALL STOP SIGNS AT THE INTERSECTIONS OF McLEAN DRIVE AND GRAVELEY STREET,
AND WOODLAND DRIVE AND GRANT STREET

SOURCE TRAFFIC MANAGEMENT DATE RECEIVED _____
ADDRESS _____ PHONE _____

INVESTIGATION

The collision histories at these two intersections meet the warrant requirements for two-way Stop sign controls.

INSTRUCTIONS

- Install northbound Stop sign on McLean at Graveley with post and concrete base. Place Stop sign 2 m south of stop line.
- Install southbound Stop sign on McLean at Graveley with post and concrete base.
- Install northbound Stop sign on Grant at Woodland with post and concrete base. Place Stop sign 2 m south of stop line.
- Install southbound Stop sign on Grant at Woodland with post and concrete base.
- Paint stop lines at locations marked in field by Traffic Management (as per Section A.2.a of the Policy/Procedure Manual).
- Install warning signs and flashers for an introductory period of 30 days.

INVENTORY

4 Stop signs (RA 1).
4 posts and concrete bases.

STOPS ORDERED SEPT 2

RECEIVED SEP 23 1992
P. Phyllis

10937

ACCOUNT / WORK ORDER # ETSBS DRWG ATTACHED YES NO _____ TD # 92-139
CO-ORDINATE WITH: STREETS YES _____ NO ELECTRICAL YES _____ NO

AUTHOR B.A. PHILLIPS LOCAL 7908 DATE Sept 11, 1992
SECTION HEAD *[Signature]* DATE Sept 15 19 92

TRAFFIC MGMT ENG *[Signature]* TRANSIT ENG _____ PARKING ENG _____
DATE 15/69 19 92 DATE _____ 19 _____ DATE _____ 19 _____

ASST CITY ENGINEER - PROJECTS DATE _____ 19 _____	ASST CITY ENG - TRANSPORTATION <u><i>N. M. / [Signature]</i></u> DATE <u>Sept 18 19 92</u>	CITY ENGINEER <u><i>[Signature]</i></u> DATE _____ 19 _____
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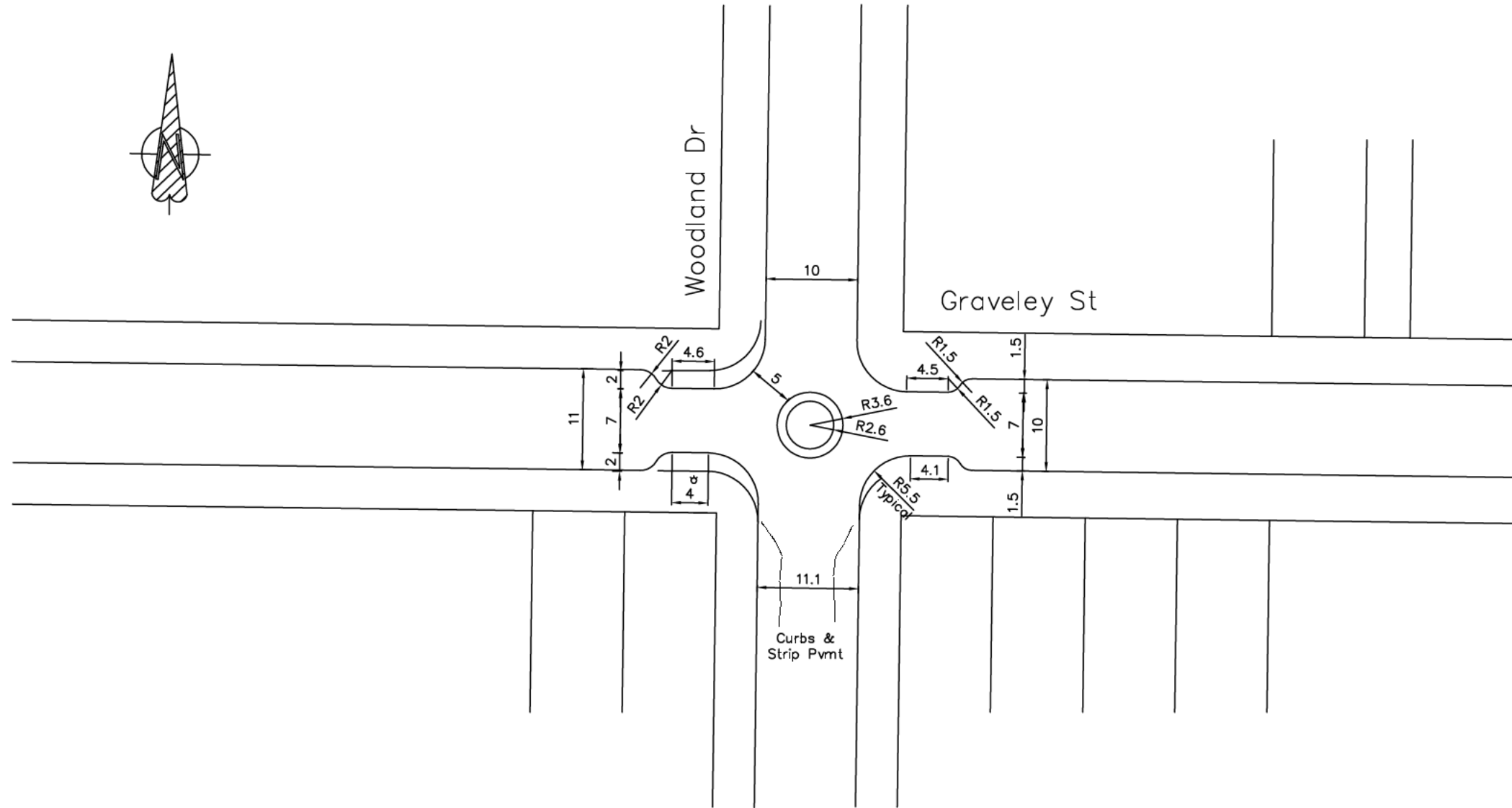
COMPLETED BY : E.L. & L.L. DATE SEPT 29, 19 92
NOTIFIED : POLICE _____ PARKING _____ INF _____ OTHER _____ DATE _____, 19 ____
CHECKED BY : *[Signature]* DATE OCT 8, 19 92
INVENTORY FILES UPDATED/ BY : _____ DATE _____, 19 ____

ROUTING: *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / _____ / _____ / MM
AUTHOR SEC HEAD BR. HEAD FUNDS APPR A.C.E. C.E. AUTHOR PP LIST TD SEC.

/TRAFFIC / *[Signature]* / _____ / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / *[Signature]* / _____ / _____ / _____ / _____ / _____ / _____ / _____ / _____ / RDG / _____ / _____ / MM
TD SEC. PP LIST SEC HEAD BR. HEAD AUTHOR EA 1 T/M EA 1 PARKING CENTRAL REGISTRY

Traffic Circle Installation Dates

Location	Date Installed	Notes
Woodland Dr & Grant St	1999	
Woodland Dr & Graveley St	1999	



Note:

1. Local Street
2. No Bus Route
3. Design Vehicle SU9/FB 125

ASSISTANT CITY ENGINEER NEIGH. TRANS. ENG.	STRAT. TRANS. ENG. TRAF. MGT. ENG.	DIV. TRANSPORTATION DATE: June 14/99 DSGN: NCE DWG: NCE CHK: Sign Plan: needed <input type="checkbox"/> not needed <input type="checkbox"/> By Traf. Mgt. <input type="checkbox"/> Neigh. Trans. <input type="checkbox"/> Notes:	CITY OF VANCOUVER ENGINEERING SERVICES WOODLAND DR @ GRAVELEY ST Traffic Circle & Corner Bulges Mosaic Bikeway	SCALE: 1:500 DRAWING NUMBER YF543 REVISION REFS: PP2286
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**City of Vancouver
Traffic Signals**

UPDATED: September 24, 2015
BY: ENTC

TOTALS (only installed)	LEGEND
SIGNALS	FT = fixed time
1	SA = semi actuated (detectors on minor street)
SIGNALS & SX	FA = fully actuated (detectors at all approaches)
1	PCA = pedestrian / cyclist actuated signal
FT	PA = Pedestrian actuated signal (No cyclist detection)
0	BA = bus actuated signal
SA	SX = special crosswalk with overhead pedestrian light
0	FL = flight lights crosswalk
PCA	CYC = cyclist push button, detection loop, or other detection device (push button is most common)
1	AUD = Audible tone on pedestrian actuation (tone: peep peep - EW, coo coo - NS)
FA	LTFA = left turn flashing arrow (protected/permitted)
0	LT/RT = left turn/right turn signal (protected/prohibited)
BA	FLASHER = advance "prePCAre to stop" sign
0	MTCS = modern traffic control system (central computer control)
SX	MTCS # = communication line/drop number
0	FIRE = preempted by fire hall (usually to "All red")
CYC	TRAIN = preempted by train
1	TRANSIT = preempted by transit
AUD	ACT. = actuated by vehicle detector
1	PED HOLD = pedestrians are held for right turns (or LT's on one way street)
MRN	SXW, WXW, NXW, EXW = south crosswalk, west crosswalk, etc.
0	EB, WB, NS = eastbound, westbound, north/south, etc.
UPS	MIN/VEH/PED RECALL = signal timing is set to operate differently than detectors suggest
0	PRMPT = signal timings can be interrupted by an external user
FH	UPS = uninterrupted power supply
0	
TRAIN	FH = fire hall actuated
0	
TR	MRN = major road network
0	TR = truck route
CDT	CDT=Count down timers (Currently unable to track all locations)
1	
1.0 M/S FDW	
0	
LED LIGHTING	FUNDING
0	EXTERNAL 0
APS	COV 0
0	
CAMERA	
0	

#	N/S	E/W	COORD.	DATE	YEAR	TYPE	FUNDING	AUD	APS	CYC	MRN	UPS	CAMERA	TRAIN	TR	CDT	CDT ACTIVATION	BICYCLE SIGNAL	1.0 M/S FDW	1.0 M/S FDW ACTIVATION	
	Commercial	Grant	612250	February 14, 1978	1978	PCA		AUD (01)		CYC						1	July 26, 2015				

LED LED ACTIVATION