



CITY of NOVI CITY COUNCIL

Agenda Item M
November 14, 2011

SUBJECT: Approval of Traffic Control Order 11-38 and 11-39 for existing no parking signs on Buffington Drive near South Lake Drive.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division *BTC*

CITY MANAGER APPROVAL: *[Signature]* *RH*

BACKGROUND INFORMATION:

Staff received an inquiry from a resident regarding the existing no parking signs installed on both sides of Buffington Drive, just south of South Lake Drive. It was determined that the existing signs lacked traffic control orders and there was no documentation regarding the necessity for the signs. In order for traffic signs to be enforceable an executed traffic control order is required.

In order to confirm the need for the existing no parking signs, the area was reviewed by the City's traffic consultant. The attached report from Birchler Arroyo recommends that the existing parking prohibition remains in place. The report further recommends an adjustment to the existing signage to better clarify the extent of the no parking zone. Staff has prepared the following traffic control orders to support the existing no parking zone.

TCO	Description
11-38	No parking on the east side of Buffington Drive from South Lake Drive to a point 100 feet south
11-39	No parking on the west side of Buffington Drive from South Lake Drive to a point 163 feet south

The attached map shows the location of the existing and proposed signage along with the no parking zone.

RECOMMENDED ACTION: Approval of Traffic Control Order 11-38 and 11-39 for existing no parking signs on Buffington Drive near South Lake Drive.

	1	2	Y	N
Mayor Gatt				
Council Member Casey				
Council Member Fischer				
Council Member Margolis				

	1	2	Y	N
Council Member Mutch				
Council Member Staudt				
Council Member Wrobel				

**CITY OF NOVI
TRAFFIC CONTROL ORDER**

____ SPEED
X PARKING
____ OTHER

DATE OF ORDER: 11/02/2011
CONTROL NUMBER: 11-38

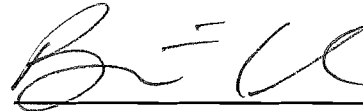
PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33.141 OF THE AFORESAID CHAPTER.

ISSUANCE OF THIS TRAFFIC CONTROL ORDER WAS PRECEDED BY STUDY AND INVESTIGATION OF TRAFFIC CONDITIONS ON THE FOLLOWING PUBLIC ROAD OR ROADS IN THE CITY OF NOVI, MICHIGAN.

BUFFINGTON DRIVE

AND AFTER SAID INVESTIGATION, IT IS HEREBY ORDERED AND DIRECTED THAT THE DEPARTMENT OF PUBLIC SERVICES ERECT AND MAINTAIN THE NO PARKING SIGN (S) IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS REQUIRED BY SEC. 33.217 OF THE AFORESAID CHAPTER, SAID SIGNS TO GIVE NOTICE OF THE FOLLOWING DETERMINATION:

NO PARKING ON THE EAST SIDE OF BUFFINGTON DRIVE FROM SOUTH LAKE DRIVE TO A POINT 100 FEET SOUTH



Brian Coburn, P.E. - Traffic Engineer

Dated: 11/02/2011

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 11-38 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEREOF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

NO PARKING ON THE EAST SIDE OF BUFFINGTON DRIVE FROM SOUTH LAKE DRIVE TO A POINT 100 FEET SOUTH

ADOPTED AT THE REGULAR MEETING OF
CITY COUNCIL ON 11/14/2011.

By: _____
_____, Mayor

By: _____
Maryanne Cornelius, Clerk

CITY OF NOVI
TRAFFIC CONTROL ORDER

____ SPEED
 X PARKING
 _____ OTHER

DATE OF ORDER: 11/02/2011
 CONTROL NUMBER: 11-39

PURSUANT TO CHAPTER NO. 33 OF THE CODE OF ORDINANCES OF THE CITY OF NOVI, MICHIGAN, SAME BEING THE UNIFORM TRAFFIC CODE FOR CITIES, TOWNSHIPS AND VILLAGES OF MICHIGAN AND IN THE INTEREST OF PUBLIC SAFETY AND CONVENIENCE THE FOLLOWING TRAFFIC CONTROL ORDER IS HEREBY ISSUED BY BRIAN COBURN, ENGINEERING MANAGER, DULY AUTHORIZED AS TRAFFIC ENGINEER, BY SEC. 33.141 OF THE AFORESAID CHAPTER.

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BUFFINGTON DRIVE

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NO PARKING ON THE WEST SIDE OF BUFFINGTON DRIVE FROM SOUTH LAKE DRIVE TO A POINT 163 FEET SOUTH

 Brian Coburn, P.E. - Traffic Engineer

Dated: 11/02/2011

APPROVED BY CITY COUNCIL

TRAFFIC CONTROL ORDER NUMBER 11-39 HAVING BEEN PRESENTED TO THE COUNCIL OF THE CITY OF NOVI, MICHIGAN FOR STUDY AND APPROVAL, IS HEREBY APPROVED AND IT IS HEREBY ORDERED AND DIRECTED THAT THIS ORDER BE FILED IN THE OFFICE OF THE CITY CLERK AND A COPY THEREOF IN THE OFFICE OF THE CHIEF OF POLICE OF SAID CITY.

IT IS FURTHER ORDERED AND DIRECTED THAT THIS ORDER SHALL BECOME EFFECTIVE UPON BEING FILED WITH THE CLERK AND UPON ERECTION OF ADEQUATE SIGNS GIVING NOTICE OF THE EXISTENCE OF AFORESAID,

NO PARKING ON THE WEST SIDE OF BUFFINGTON DRIVE FROM SOUTH LAKE DRIVE TO A POINT 163 FEET SOUTH

ADOPTED AT THE REGULAR MEETING OF CITY COUNCIL ON 11/14/2011.

By: _____,
 _____, Mayor

By: _____
 Maryanne Cornelius, Clerk

MEMORANDUM

DATE: October 5, 2011

TO: Brian T. Coburn, P.E.
Engineering Manager, City of Novi

FROM: William A. Stimpson, P.E., Director of Traffic Engineering

SUBJECT: **Parking Prohibitions on North End of Buffington Drive**



**BIRCHLER ARROYO
ASSOCIATES, INC.**

At your request, we have investigated the existing parking prohibitions along both sides of Buffington near South Lake (Figure 1). These prohibitions consist of three 12-inch x 12-inch No Parking symbol (R8-3a) signs, two on the west side of the street (62 ft and 127 ft south of South Lake Drive) and one on the east side of the street (66 ft south of South Lake Drive and 62 ft north of the first driveway).

Recommendations

1. No parking zones should remain on both sides of Buffington, with the one on the east side of the street more clearly defined. That zone should extend from South Lake Drive 100 ft south, to a point about 28 ft north of the first driveway (permitting one and only one car to park north of that driveway).
2. The existing No Parking symbol sign on the east side of the street should be removed and replaced by a new sign 28 ft north of the first driveway. The new sign should be either a NO PARKING HERE TO CORNER sign – and face generally south – or a NO PARKING ANY TIME (R7-1) sign with left-pointing arrow – and be mounted at 45 degrees to the road edge and face generally southwest.
3. Any existing parking-related Traffic Control Orders for this location should be stricken and replaced by TCOs prohibiting parking at all times along Buffington Drive, on the east side for the first 100 ft south of South Lake Drive, and on the west side for the first 163 ft south of South Lake Drive (i.e., to the south edge of the driveway for the second house).

Supporting Observations and Analyses

Buffington Drive has an 18-20 ft-wide asphalt driving surface, bordered by 2-3-ft-wide gravel shoulders, within a 50-ft-wide right-of-way. All mailboxes are located along the east of the street, and there are no ditches to deter parking vehicles from encroaching slightly on the grass if necessary (Figures 2-3). Along the west side, between the existing no parking zone and Lilley Trail (about 600 ft south of South Lake), there are only four driveways, no mailboxes, and space for parking at least 13 cars. Parking is also permitted along the east side, but must be done with care to avoid blocking traffic and/or mailbox access.

As can be seen in Figures 1 and 4, existing driveways for the first two houses on the west side of Buffington south of South Lake preclude parking over much of the first 163 ft of frontage. The limited front yard north of the north driveway abuts a section of street needing to safely accommodate turning vehicles and one lane of traffic in each direction.

On the east side of Buffington, parking is prohibited by State law within 30 ft of the STOP sign. The existing No Parking sign, located 38 ft south of the STOP sign, is generally consistent with that restriction. Since this is the only No Parking sign on this side of the street, however, some drivers may not be clear as to the limits of its applicability. For instance, does it apply only near the sign and between the sign and South Lake, or does it apply to the entire frontage of the corner lot? This ambiguity should be removed.

The section of Buffington adjacent to the two corner lots is critical to traffic safety, since:

- ❑ A vehicle approaching the STOP sign from the south must come to a stop sufficiently far to the right side of the street to allow traffic to enter unimpeded from South Lake Drive. Since the driving surface is only about 18 ft wide at the ends of the curb returns, this means that northbound vehicles should ideally drive very close to the east road edge as they stop.
- ❑ To reach the above safe stopping position after bypassing a vehicle parked along the east side of the street, the parked vehicle should be no closer than about 70 ft from the STOP sign (e.g., a 20-ft-long vehicle following a 50-ft-long taper).

Given the location of the first driveway on the east side of the street, ending the east no parking zone 70 ft south of the STOP sign would leave 30 ft between the zone and the driveway. While this would normally allow only one vehicle to park north of the driveway, two vehicles may try to “squeeze in” on occasion; to better insure against this possibility, the no parking zone should extend to within 28 ft of the driveway, equivalent to 72 ft south of the STOP sign or a convenient 100 ft from South Lake Drive.

In conclusion, this review finds that traffic safety requires no parking zones to be maintained on both sides of Buffington near South Lake. The review was useful, however, in identifying the need for better defining the extent of the no parking zone on the east side of the street.

It should be noted that the approved but as yet unbuilt 24-unit condominium development to be partially accessed via Buffington – Scenic Pines Estates – will eventually add some traffic to this street, making the noted traffic safety concerns all the more important.

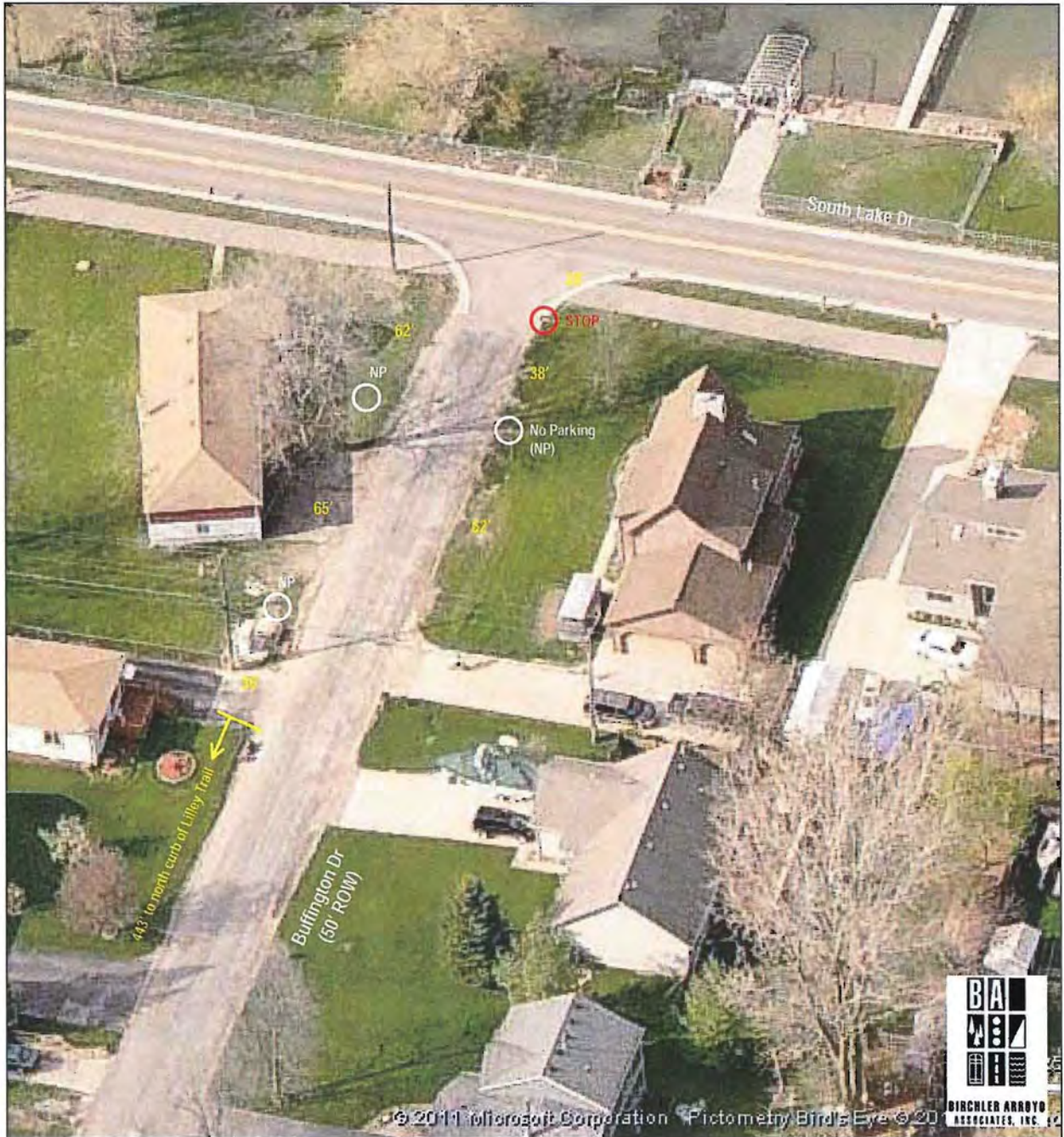


Figure 1. Birdseye View of Buffington Drive



Figure 2. Looking North Along Buffington Drive from Lilley Trail



Figure 3. Looking North from 200 Feet North of Lilley Trail



Figure 4. Portion of Buffington Considered for No Parking



Figure 5. East Side of Buffington on Final Approach to STOP Sign

Traffic Control Order 11-38 and 11-39

Location Map



Map Author: Brian Coburn
Date: 11/2/11

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are appropriate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

Map Legend

- Proposed Sign
- Sign Supports
- Existing No Parking Zone



City of Novi
Engineering Division
Department of Public Services
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Novi, MI 48375
cityofnovi.org

