AM NO. 14-017

MEMO TO: John Marchione and City Council Members

FROM: Rob Crittenden, Traffic Operations Manager
Deby Alm, Senior Transportation Engineering Technician
Tony Lewis, Lead Development Inspector

DATE: January 21, 2014

SUBJECT: **STAFF REPORT -** Notification of Temporary Closure of 160th Avenue NE between NE 83rd Street and NE 85th Street from **7:00 am Wednesday, February 5 until 5:00 pm Friday, February 7, 2014**

In accordance with the Redmond Municipal Code section 10.24.047 "Procedure for temporary closure or restriction," I am notifying Council of a temporary closure for through traffic on 160th Avenue NE between NE 83rd Street and NE 85th Street.

160th Avenue is classified as a collector arterial street. Average daily traffic on 160th Avenue between NE 83rd Street and NE 85th Street is approximately 10,400 vehicles per day. The purpose of the road closure is to provide adequate room to install a tower crane to facilitate construction of the Legacy Town Square Apartments.

City staff has determined that a full closure is the safest and most efficient method to complete installation of this crane. Detour signage will be in place directing motorists to alternate routes. Access to local businesses and residents will be maintained. The closure will take place from 7:00 am Wednesday, February 5 until 5:00 pm Friday, February 7, 2014. The contractor will make appropriate notifications to affected properties and the City will publish notice for three days prior to closure. The actual length of the closure will be dependent on weather conditions and unforeseen challenges in erecting the crane. If this closure is acceptable to Council then no further action is required.

Attachments: Vicinity Map
Detour route map

160th Avenue NE Street Closure
Vicinity Map
Attachment A

TRAFFIC CONTROL PLAN

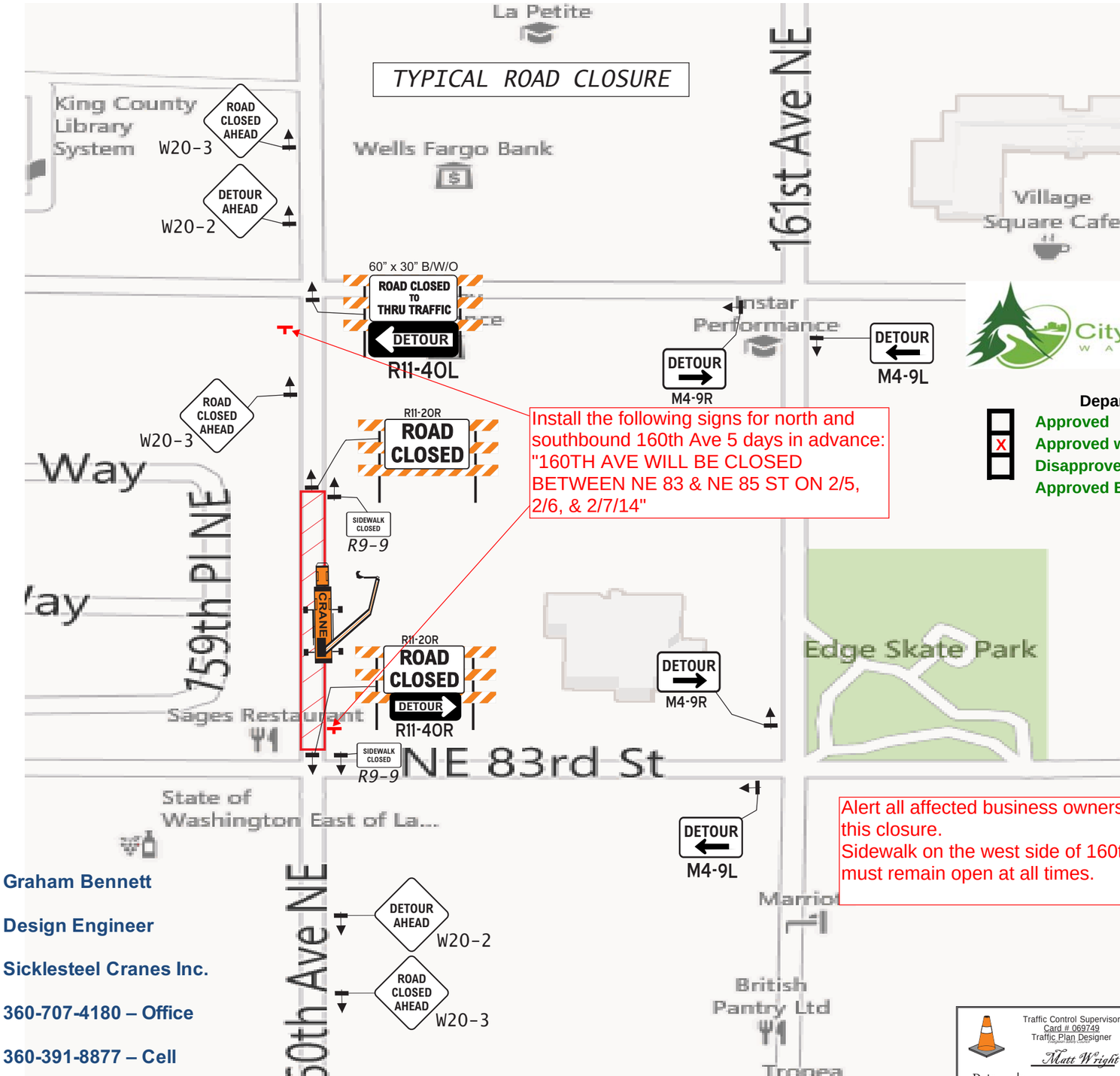
REDMOND, WA

Permit #_____

SPEED LIMIT 30

N W E S

NOT TO SCALE



Install the following signs for north and southbound 160th Ave 5 days in advance: "160TH AVE WILL BE CLOSED BETWEEN NE 83 & NE 85 ST ON 2/5, 2/6, & 2/7/14"

Alert all affected business owners of this closure.
Sidewalk on the west side of 160th Ave must remain open at all times.

City of Redmond
WASHINGTON

City of Redmond
Department of Public Works

- [ ] Approved
- [x] Approved with Corrections noted
- [ ] Disapproved - Resubmit

Approved By: Deby Alm 01/03/2014

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	55	85	120	170	220	280	335	415	-	-

PROTECTIVE VEHICLE WITH TMA ROLL AHEAD DISTANCE		
TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA	TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (LBS)	STATIONARY OPERATION (feet)
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)	30 MIN.
ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT		

✲A PROTECTIVE VEHICLE IS RECOMMENDED REGARDLESS IF A TMA IS AVAILABLE. IF NO TMA IS USED, THE PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED IN THE FIELD TO SHIELD WORKERS AND NO ROLL AHEAD DISTANCE IS SPECIFIED.

SIGN SPACING = X (feet)		
Rural Highways	60/65 MPH	1000'+-
Rural Roads	45/55 MPH	500'+-
Rural Roads & Urban Arterials	35/40 MPH	350'+-
Rural Roads, Urban Streets Residential & Business Districts	25/30 MPH	200'+-
Urban Streets	25 MPH or LESS	100'+-
ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

GENERAL NOTES

1. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD AND CITY OF REDMOND SPECS.
2. PRIORITY PASSAGE THROUGH WORK AREA FOR EMERGENCY VEHICLES SHALL BE PROVIDED AT ALL TIMES.
3. ALERT METRO TRANSIT 5 DAYS IN ADVANCE (IF APPLICABLE).
4. PROTECTIVE VEHICLE RECOMMENDED-MAY BE A WORK VEHICLE.
5 DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
6. ALL SIGNS 48" X 48" B/O UNLESS OTHERWISE SPECIFIED.
7. CHANNELIZATION DEVICES ARE 28" REFL. CONES. (see TABLE 1 for spacing distances).
8. ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT GRADE INTERSECTIONS AND/OR DRIVEWAYS.

Graham Bennett

Design Engineer

Sicklesteel Cranes Inc.

360-707-4180 – Office

360-391-8877 – Cell

SICKLESTEEL CRANES • INC

Traffic Control Supervisor
Card # 069749
Traffic Plan Designer
Matt Wright
Date 6-30-16
NATIONAL BARRICADE CO. LLC

ALL SIGNS, SPACING AND SPECS TO CONFORM TO THE M.U.T.C.D. AND THE CITY OF REDMOND