

**WATER MAIN WORK - REVIEWED 6/14/23**

SIGN SPACING = X (1)		
RURAL HIGHTWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS	25/30 MPH	200'± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100'± (2)

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS
- (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,000 to 22,000 LBS					HOST VEHICLE WEIGHT > 22,000 LBS					
<45MPH	45-55 MPH	>55 MPH	<45MPH	45-55 MPH	>55 MPH					
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE)										
NO SPECIFIC DISTANCE REQUIRED										

Call Michael Rosenau, City Inspector, at 253-344-6753 prior to starting any work.

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

MINIMUM TAPER LENGTH = L (feet)										
Lane Width (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

Good Samaritan Hospital shall be notified of all work and traffic impacts 48 hours in advance of job start. No emergency service vehicle travel routes shall be blocked, rerouted, or modified. In a safe manner, flaggers shall prioritize travel for emergency service vehicles.

**LEGEND**

- WORK AREA
- 28" TRAFFIC CONE
- EXISTING TRAFFIC FLOW
- SIGN LOCATION

**NIGHT WORK REQUIRED. CLOSURE ALLOWED:**  
 Sunday - Thursday  
 9PM - 5AM

Call communications center at 253-287-4456 on night of closure. Request a job start inspection through the CityView portal and leave a message for the inspectors by calling 253-435-3650 at least 48 hours in advance of job start.

The applicant shall notify all residents and businesses within 300 feet of the work area 48 hours in advance of start date by distributing informational door hangers, displaying work on message boards, or on signs posted visibly along the right-of-way. The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

The applicant shall notify property owner(s) of blocked driveway(s) at least 24 hours in advance.

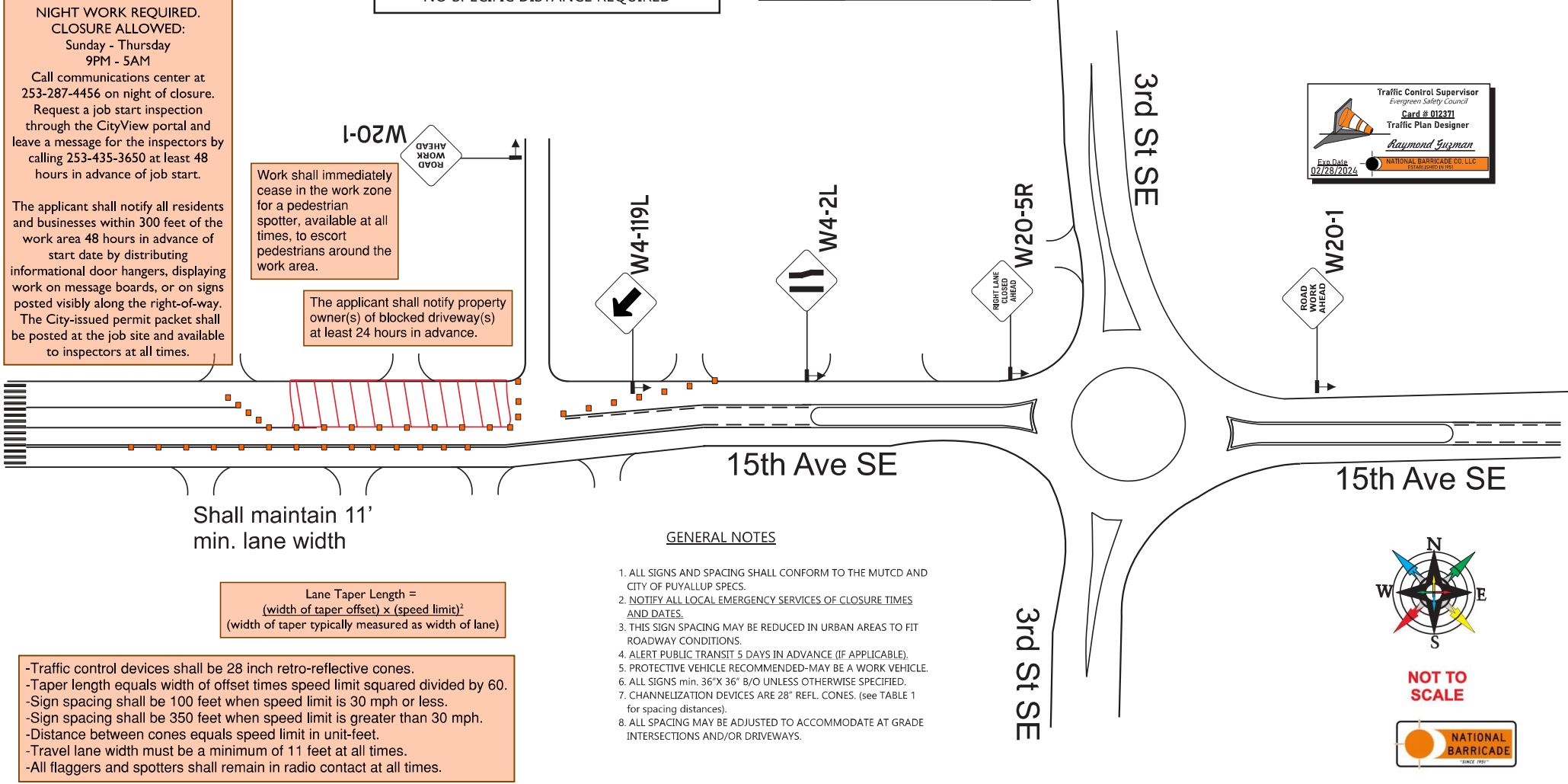
Shall maintain 11' min. lane width

Lane Taper Length =  $(\text{width of taper offset}) \times (\text{speed limit})^2$   
 (width of taper typically measured as width of lane)

- Traffic control devices shall be 28 inch retro-reflective cones.
- Taper length equals width of offset times speed limit squared divided by 60.
- Sign spacing shall be 100 feet when speed limit is 30 mph or less.
- Sign spacing shall be 350 feet when speed limit is greater than 30 mph.
- Distance between cones equals speed limit in unit-feet.
- Travel lane width must be a minimum of 11 feet at all times.
- All flaggers and spotters shall remain in radio contact at all times.

**GENERAL NOTES**

1. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD AND CITY OF PUYALLUP SPECS.
2. NOTIFY ALL LOCAL EMERGENCY SERVICES OF CLOSURE TIMES AND DATES.
3. THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.
4. ALERT PUBLIC TRANSIT 5 DAYS IN ADVANCE (IF APPLICABLE).
5. PROTECTIVE VEHICLE RECOMMENDED-MAY BE A WORK VEHICLE.
6. ALL SIGNS min. 36" X 36" 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.



Traffic Control Supervisor  
 Evergreen Safety Council  
 Card # 012371  
 Traffic Plan Designer  
 Raymond Tuzman  
 Exp. Date 02/28/2024  
 NATIONAL BARRICADE CO. LLC  
 EST. 1982



**NOT TO SCALE**

