



## SPECIAL EVENT PERMIT #19-0002

August 8, 2019

Tacoma City Marathon Association  
3812 N 26<sup>th</sup> St, Ste C  
Tacoma, WA 98406

Subject: Special Event No. 19-0002 Tacoma Narrows Half Marathon & 5k

Permission is hereby granted to Tacoma City Marathon Association for the half marathon and 5k event to be held on Saturday, August 17, 2019 from 5:15 AM until 1:00 PM. Lane closures and/or obstruction will include the following streets: North Skyline Drive, North 13th, North Hawthorne, North 10th, North 9th, Bantz Blvd, South 25th, Center Street, and Jefferson Avenue. The course will then take the Prairie Line Trail through UWT campus, to the finish line in Tollefson Plaza at South 17th Street. Public areas not located in the City of Tacoma are subject to the corresponding authority, and are not included in this permit.

Permit Number 19-0002 is issued contingent upon the following conditions:

1. Permit holder shall arrange a meeting immediately with Special Events Sgt. Gary Roberts if there are changes from the approved permit; Sgt. Roberts can be reached at (253) 405-9056. The Police Department recommends approval of this permit with the following stipulations.
  - a. Permit holder will notify all participants to obey all City of Tacoma; Pierce County Washington State and Federal rules, regulations, and laws.
  - b. Sponsor will maintain public and participant safety at all times and adhere to traffic lights and crosswalk rules.
2. The Traffic Engineering Division has reviewed the Special Event Permit Application and has no objections.
  - a. You are responsible for notifying all appropriate public entities regarding your road closure.
  - b. You are responsible for obtaining and deploying approved traffic control devices.
  - c. Remember to maintain at the least, a 6-foot, unobstructed pedestrian right-of-way and handicapped access through the event area at all times.
  - d. For questions relating to this section Ricky Clousing, Public Works Traffic Engineering, can be reached at (253) 591-5365.
3. The Fire Department has reviewed the application and has no objections. Additional conditions are:
  - a. If applicable you have applied for and received permits associated with the Tacoma Fire Department's requirements for Special Events.
  - b. Emergency vehicle access will be allowed for the entire extent of the event venue. The following things must remain visible, and the path to them must remain unobstructed.
  - c. Fire hydrants, Sprinkler connections, Standpipe connections, Fire alarm boxes, Building entrances, Exit doors, Aisles, Exit lights, Stairways, Hose cabinets, Fire extinguishers, and any other Emergency equipment.
  - d. Questions about fire regulations and permits can be directed to Lt. Ken Hansen at (253) 591-5762.
4. In regard to noise levels, the event shall comply the following provisions:
  - a. Limit the decibel level of sound at the event border line to a maximum of 85 dBA at receiving residential properties. This restriction is consistent with Washington Administrative Code (WAC) 173-60-050 for public special events.
  - b. If you have any questions, you may contact Craig Kuntz, Planning and Development Services, at (253) 594-7820.
5. Surrounding businesses and residents have been notified of the event activity, its impact to parking, pedestrian traffic, etc., and have made no objections to the event activity.

6. That you have this permit letter readily available during the event, and shall present this permit upon demand of any City official.

Failure to comply with any of these requirements constitutes a violation of the permit as granted and the event may be terminated by the permitting authority or her designee. Noncompliance may also jeopardize the approval of future events.

This permit is granted subject to all other applicable laws and ordinances. This permit does not constitute a waiver by the City of any laws or ordinances that may apply to the permitted event or any activities associated with the permitted event. If I can be of further assistance to you, please contact me at (253) 573-2523.

Sincerely,



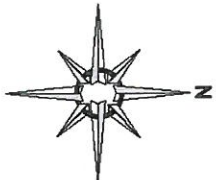
Kala Dralle

City of Tacoma, Special Events Office, Permitting Authority

Traffic Control Plan included.



TCP: Tacoma Narrows Half Marathon  
Jahn Ave to Scott Pierson trail



Scale:  
100 ft

Legend  
★ UPO

Manifest

UPOs will stop traffic as necessary  
to get runners through safely



Continue on  
Scott Pierson  
Trail

	<p>Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone: (206) 372-1462 Email: antstordahl@yahoo.com Anthony Stordahl Consulting, LLC: . Comments:</p>
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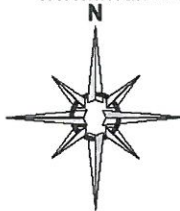
Must obtain approval from the City of Gig Harbor





TCP: Tacoma Narrows Half Marathon  
Scott Pierson trail Jackson Ave Crossing

www.invarion.com



Scale:

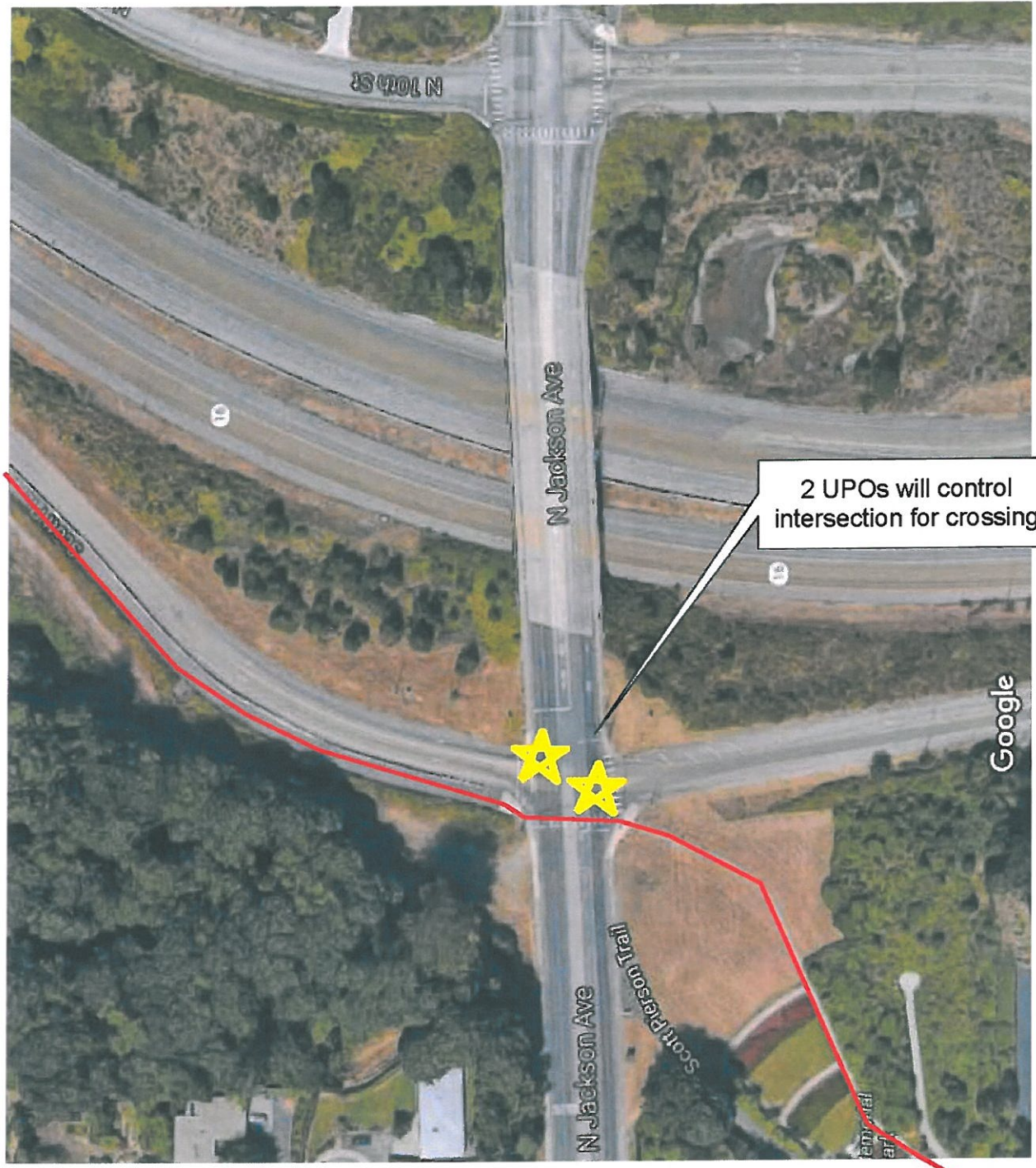
100 ft

Legend

★ UPO

Manifest

2 x UPO



Continue on  
Scott Pierson  
Trail

RGj

Page 2 of 12

	<p>Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone:(206)372-1462: Email:antstordahl@yahoo.com Anthony Stordahl Consulting, LLC: . Comments:</p>
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AABCO  
BARRICADE CO.



TCP: Tacoma Narrows Half Marathon  
Scott Pierson trail to Skyline Dr

Cone spacing:  
Lane closure taper=30'  
Lane closure tangent=60'  
Road closure sections=20'  
Closed streets with course marshals use 3-4 cones each.





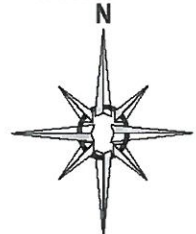
# TCP: Tacoma Narrows Half Marathon Hawthorne Loop

RGj

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www.invarion.com



Scale:

—200 ft—

### Legend

- Course Marshall
- Cone

### Manifest

- 8 x Course Marshall
- 24 x Cone



Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone: (206) 372-1452; Email: antstordahl@yahoo.com  
Anthony Stordahl Consulting, LLC.

Comments:



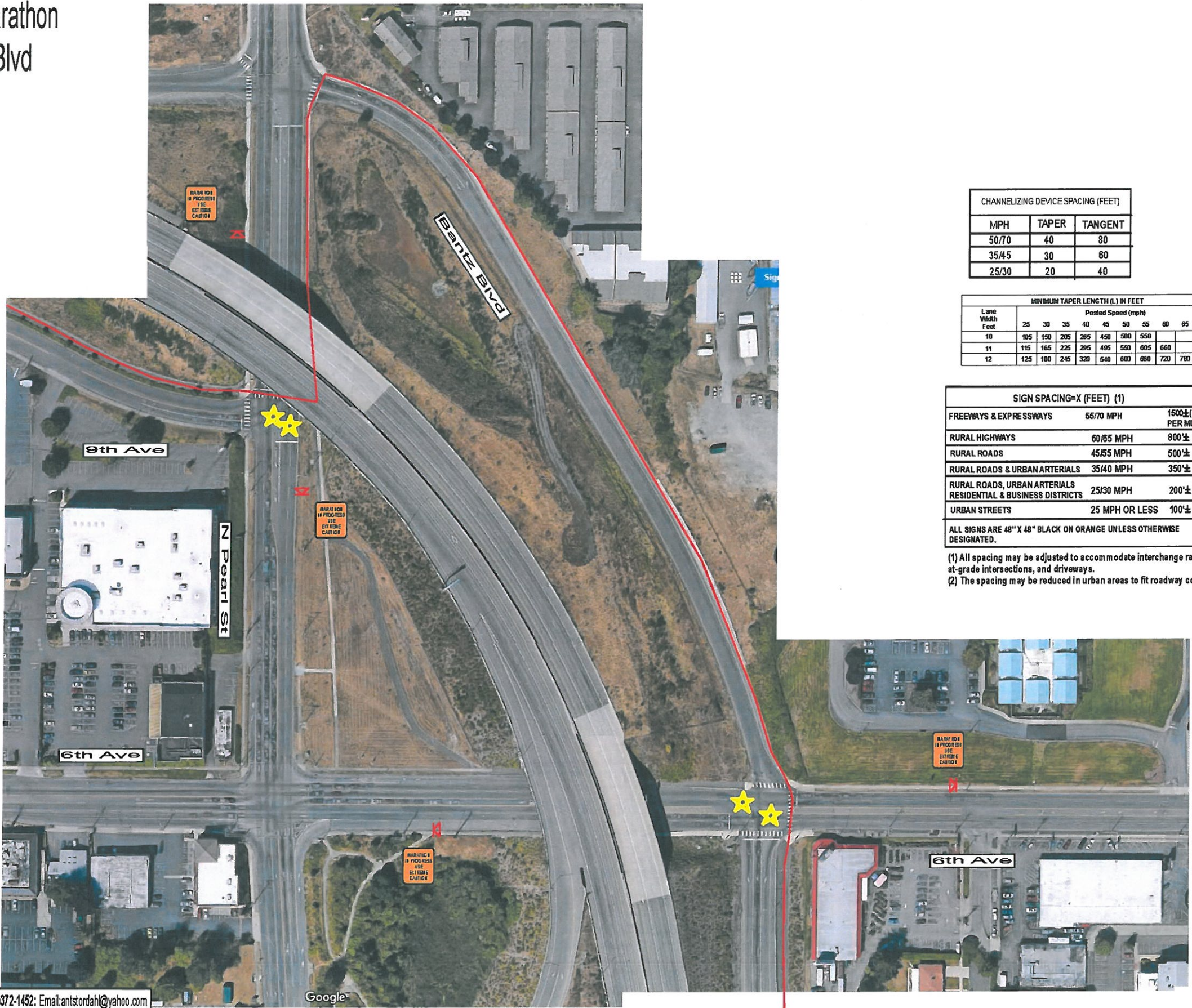
AABCO  
BARRICADE CO.



TCP: Tacoma Narrows Half Marathon  
Scott Pierson trail to Bantz Blvd

Runners will use the  
sidewalk on Pearl St  
and Bantz Blvd

RGj



SPEED  
LIMIT  
35

www.nvarion.com

Scale:  
100 ft

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

Lane Width Feet	MINIMUM TAPER LENGTH (L) IN FEET										
	Posted Speed (mph)										
10	105	150	205	265	450	500	550				
11	115	165	225	285	495	550	605	660			
12	125	180	245	320	540	600	660	720	780	840	

SIGN SPACING=X (FEET) (1)		
FREeways & EXPRESSWAYS	55/70 MPH	1600± (OR AS PER MUTCD)
RURAL HIGHWAYS	60/65 MPH	800±
RURAL ROADS	45/55 MPH	500±
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350±
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200± (2)
URBAN STREETS	25 MPH OR LESS	100± (2)
ALL SIGNS ARE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

- (1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
- (2) The spacing may be reduced in urban areas to fit roadway conditions

Legend

Class B Sign

UPO

Manifest

4 x UPO

4 x Marathon

Continue on  
Scott Pierson  
Trail

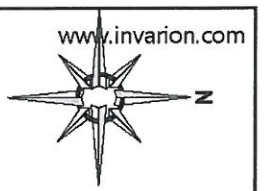
AABCO  
BARRICADE CO.



# TCP: Tacoma Narrows Half Marathon Scott Pierson trail Orchard Crossing

RGj




Page 6 of 12



Scale:

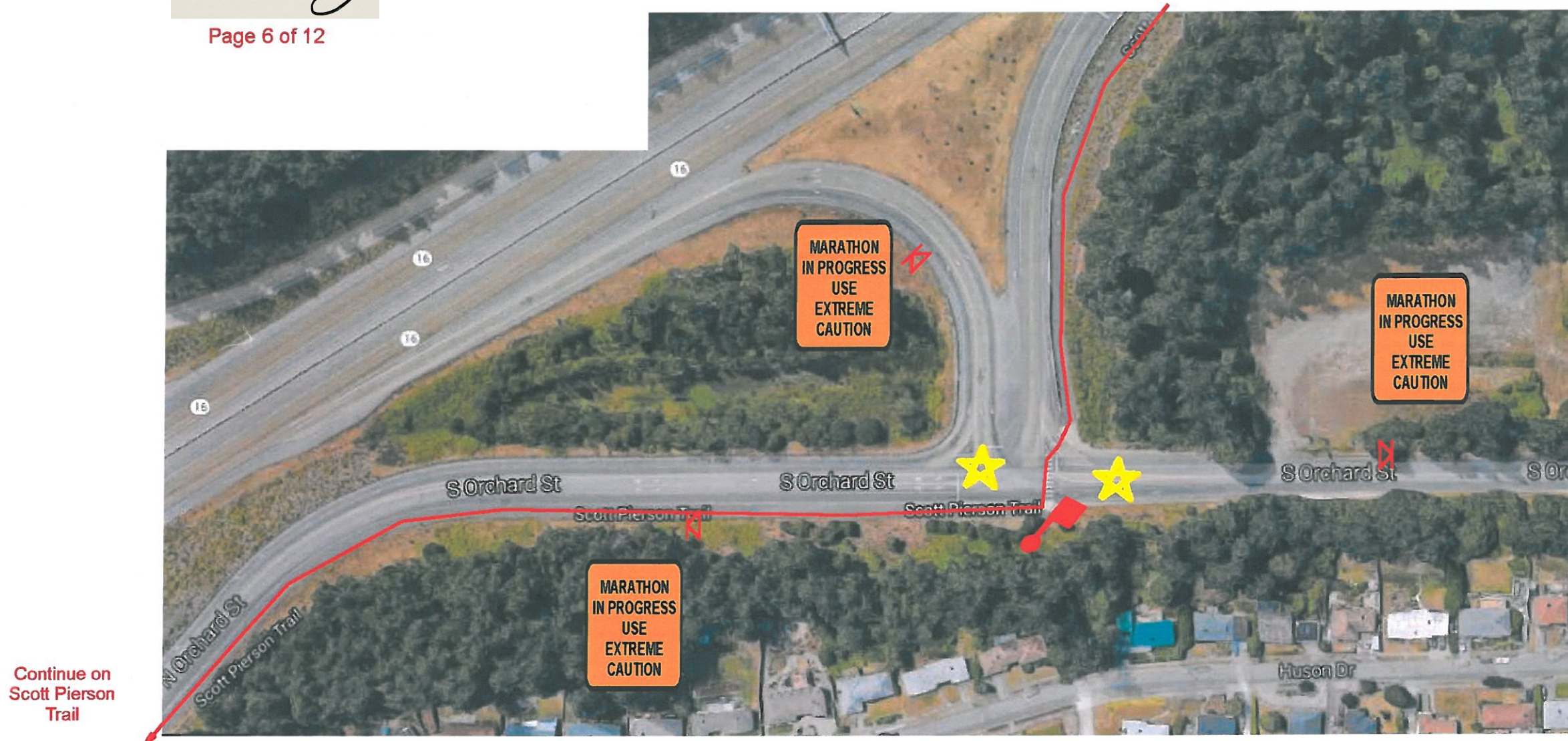
100 ft

## Legend

-  Class B Sign
-  UPO
-  Course Marshall

## Manifest

- 3 x Marathon
- 2 x UPO
- 1 x Course Marshall



Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone: (206) 372-1452 Email: anstordahl@yahoo.com

Anthony Stordahl Consulting, LLC:

Comments:



AABCO  
BARRICADE CO.



TCP: Tacoma Narrows Half Marathon  
Center St Wilkeson to J St

Cone spacing:  
Lane closure taper=30'  
Lane closure tangent=60'  
Road closure sections=20'  
Closed streets with course marshals use 3-4 cones each.

RGJ

Allow traffic into and out of driveways when there are gaps in the runners

Legend

- Cone
- Arrowboard
- Class B Sign
- UPO
- Course Marshal

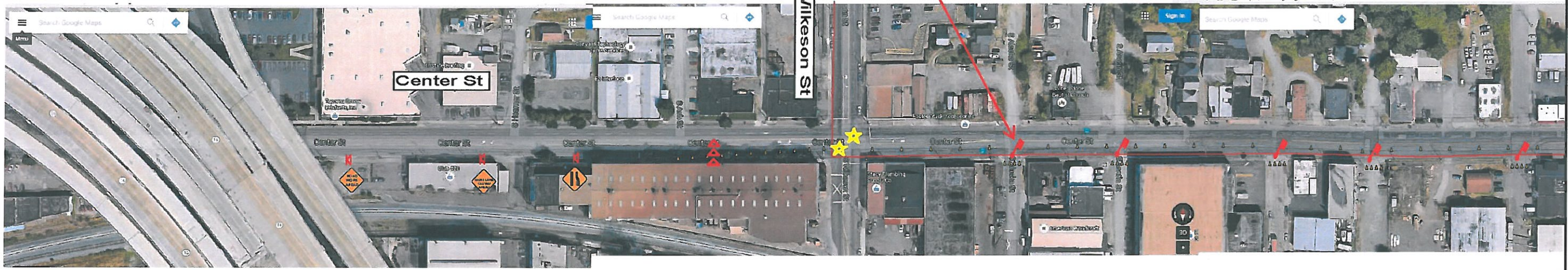
Manifest

124 x Cone

- 1 x Arrowboard
- 1 x road work ahead W20-1
- 1 x right lane closed ahead W20-5
- 1 x Transition Left W4-2L
- 4 x UPO
- 6 x Course Marshal

www.invarion.com

Scale: 200 ft



Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone:(206)372-1462; Email:antstordahl@yahoo.com

Anthony Stordahl Consulting, LLC:

Comments:

SIGN SPACING=X (FEET) (1)		
FREEWAYS & EXPRESSWAYS	55/70 MPH	1500±(OR AS PER MUTCD)
RURAL HIGHWAYS	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	25 MPH OR LESS	100± (2)
URBAN STREETS	25 MPH OR LESS	100± (2)

ALL SIGNS ARE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

(1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

(2) The spacing may be reduced in urban areas to fit roadway conditions

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

Lane Width Feet	MINIMUM TAPER LENGTH (L) IN FEET									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	265	450	500	550			
11	115	165	225	295	495	550	605	660		
12	125	180	245	320	540	600	660	720	780	840





# TCP: Tacoma Narrows Half Marathon

## Cheney Stadium

Runners will use the sidewalk on 19th St and Clay Huntington way



RGj

Page 8 of 12

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

Lane Width Feet		MINIMUM TAPER LENGTH (L) IN FEET									
		Posted Speed (mph)									
10	11	12	13	14	15	16	17	18	19	20	21
105	115	125	135	145	155	165	175	185	195	205	215
115	125	135	145	155	165	175	185	195	205	215	225
125	135	145	155	165	175	185	195	205	215	225	235

SIGN SPACING=X (FEET) (1)		
FREEWAYS & EXPRESSWAYS	65/70 MPH	1600'± (OR AS PER MUTCD)
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)

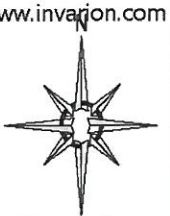
(1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.  
(2) The spacing may be reduced in urban areas to fit roadway conditions



Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone:(206)372-1452: Email:antstordahl@yahoo.com  
Anthony Stordahl Consulting, LLC: .

Comments:

SPEED  
LIMIT  
35



Scale:  
|200 ft|

### Legend

- Course Marshal
- Aid Station

### Manifest

3 x Course Marshal

Continue on  
Scott Pierson  
Trail

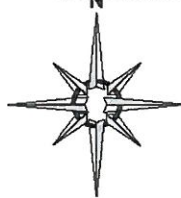


AABCO  
BARRICADE CO.



TCP: Tacoma Narrows Half Marathon  
Scott Pierson trail Union Crossing

RGJ



Scale:

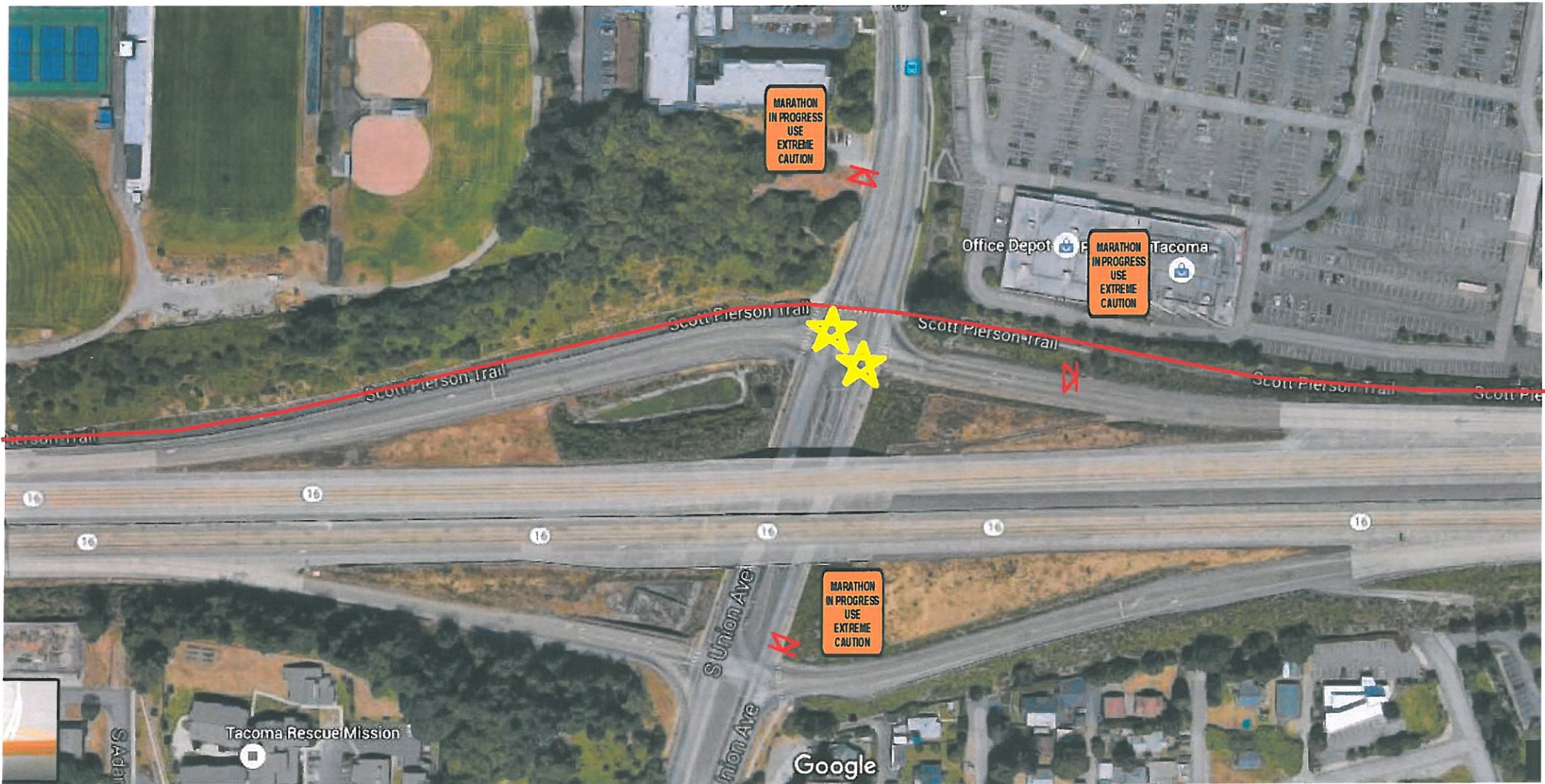
100 ft

Legend

- ★ UPO
- ⚡ Class B Sign

Manifest

- 2 x UPO
- 3 x Marathon



Continue on  
Scott Pierson  
Trail



Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone: (206) 372-1462 Email: antstordahl@yahoo.com  
Anthony Stordahl Consulting, LLC: .  
Comments:

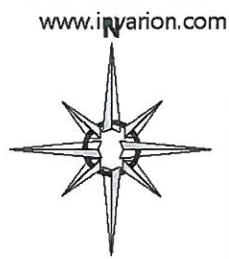


AABCO  
BARRICADE CO.



# TCP: Tacoma Narrows Half Marathon

## 25th to Wilkeson



Scale:  
200 ft

- Legend
- Cone
  - Course Marshall
  - Type III

Manifest

102 x Cone

5 x Course Marshall

1 x Type III



R G j

Page 11 of 12

Cone spacing:  
Lane closure taper=30'  
Lane closure tangent=60'  
Road closure sections=20'  
Closed streets with course marshals use 3-4 cones each.

	Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone:(206)372-1452; Email:antstordahl@yahoo.com Anthony Stordahl Consulting, LLC: .
	Comments:





# TCP: Tacoma Narrows Half Marathon

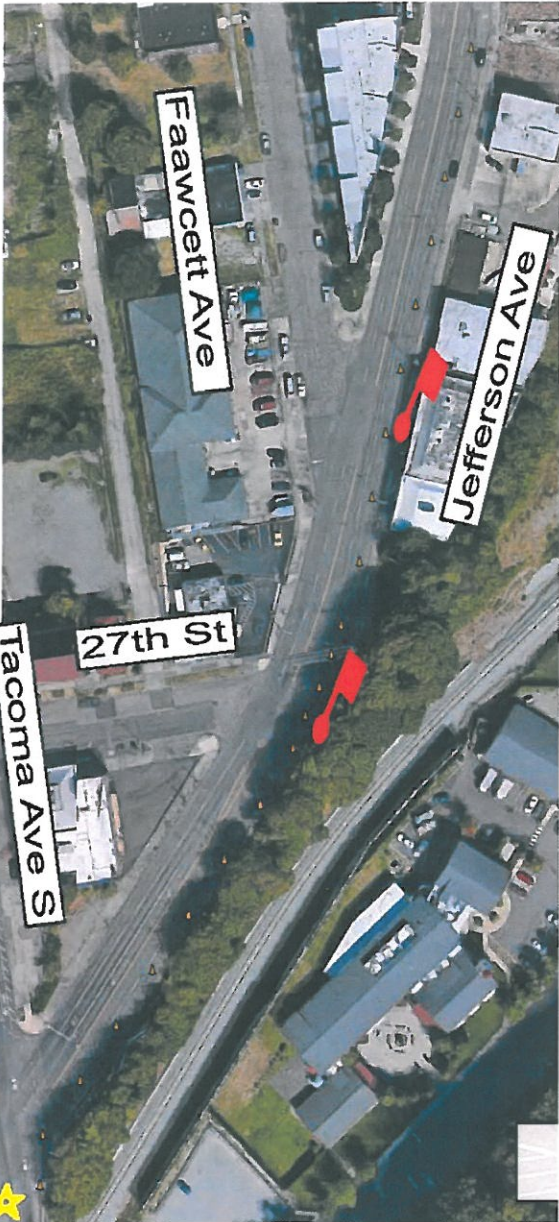
## Center St/Jefferson Ave

Cone spacing:  
Lane closure taper=30'  
Lane closure tangent=60'  
Road closure sections=20'  
Closed streets with course marshals use 3-4 cones each.

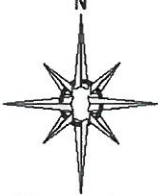
RGJ

Page 12 of 12

Manifest  
46 x Cone  
2 x UPO  
3 x Course Marshall



www.invarion.com



Scale:  
100 ft

SPEED  
LIMIT  
35

Legend

- Cone
- UPO
- Course Marshall

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

Lane Width Feet	MINIMUM TAPER LENGTH (L) IN FEET										
	Posted Speed (mph)										
	25	30	35	40	45	50	55	60	65	70	75
10	185	150	120	95	75	60	50	40	30	20	15
11	115	105	95	85	75	65	55	45	35	25	15
12	125	115	105	95	85	75	65	55	45	35	25

SIGN SPACING-X (FEET) (1)		
FREWAYS & EXPRESSWAYS	55/70 MPH	1500±(OR AS PER MUTCD)
RURAL HIGHWAYS	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	25 MPH OR LESS	100± (2)
URBAN STREETS	25 MPH OR LESS	100± (2)

(1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.  
(2) The spacing may be reduced in urban areas to fit roadway conditions

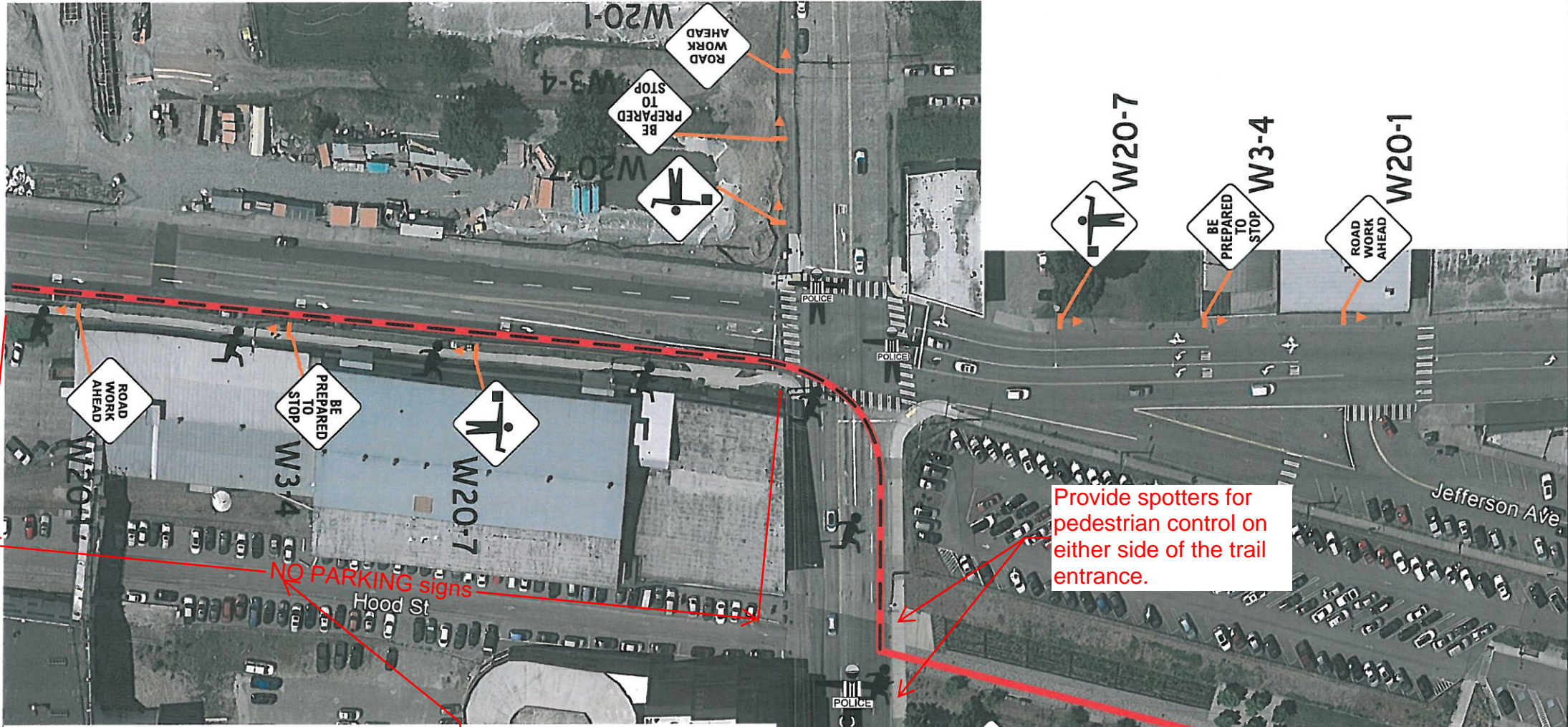
Continue from previous plan.  
Use cones to close curb lane.



AABCO  
BARRICADE CO.

Date: 7/16/2016 Author: Anthony Stordahl, TCS Phone:(206)372-1452: Email:antstordahl@yahoo.com  
Anthony Stordahl Consulting, LLC: .  
Comments:





Place NO PARKING signs along Jefferson Ave. at least 24 hours (48 hours preferable) with the date and time of the closure clearly posted.

8/5/2019

RGJ

SIGN SPACING = X (1)			
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±	
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)	
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	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R											
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS										30 FT MIN TO 100 FT MAX	
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA										NO SPECIFIC DISTANCE REQUIRED	

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	

- RACE ROUTE
- CONE LINE
- RUNNER
- UNIFORMED POLICE OFFICER



Traffic Control Supervisor  
Evergreen Safety Council  
Card # 010125  
Traffic Plan Designer  
Raymond Guzman

Exp. Date  
1/31/20

NATIONAL BARRICADE CO. LLC  
ESTABLISHED IN 1951

Contractor Tacoma Narrows Half Marathon		
Supervisor Tony Phillipi	Project/Job Number Tacoma Narrows Marathon	
Phone Number (office)	Project Location	
Phone Number (fax)	Sheet Number 1	Date 07.25.18
Prepared By R. Guzman	NATIONAL BARRICADE CO. LLC ESTABLISHED IN 1951	
E-mail rayg@barricade.com	O: 206.523.4045 F: 253.735.6329	

LEGEND

- WORK AREA
- 28" TRAFFIC CONE
- EXISTING TRAFFIC FLOW
- SIGN LOCATION
- TYPE III BARRICADE

11TH ANNUAL  
2018



11th ANNUAL  
ULTRA  
TACOMA  
NARROWS HALF MARATHON



tacomanarrowshalf.com  
SATURDAY  
AUGUST 18



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
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS								30 FT MIN TO 100 FT MAX		
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA								NO SPECIFIC DISTANCE REQUIRED		

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)
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		

LEGEND

WORK AREA

28" TRAFFIC CONE

EXISTING TRAFFIC FLOW

SIGN LOCATION

TYPE III BARRICADE

NO PARKING BARRICADE

RACE ROUTE

CONE LINE

RUNNER

UNIFORMED POLICE OFFICER

Traffic Control Supervisor

Evaigreen Safety Council

Card # 010125

Traffic Plan Designer

Raymond Guzman

Exp. Date 1/31/20

NATIONAL BARRICADE CO. LLC

ESTABLISHED IN 1951

Contractor

Tacoma Narrows Half Marathon

Supervisor

Tony Phillipi

Project/Job Number

Tacoma Narrows Marathon

Phone Number (office)

Project Location

Phone Number (fax)

Sheet Number

2

Date

07.25.18

Prepared By

R. Guzman

E-mail

rayg@barricade.com

NATIONAL BARRICADE CO. LLC

ESTABLISHED IN 1951

O: 206.523.4045

F: 253.735.6329

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	

11TH ANNUAL

2018

ULTRA

TACOMA

NARROWS HALF MARATHON

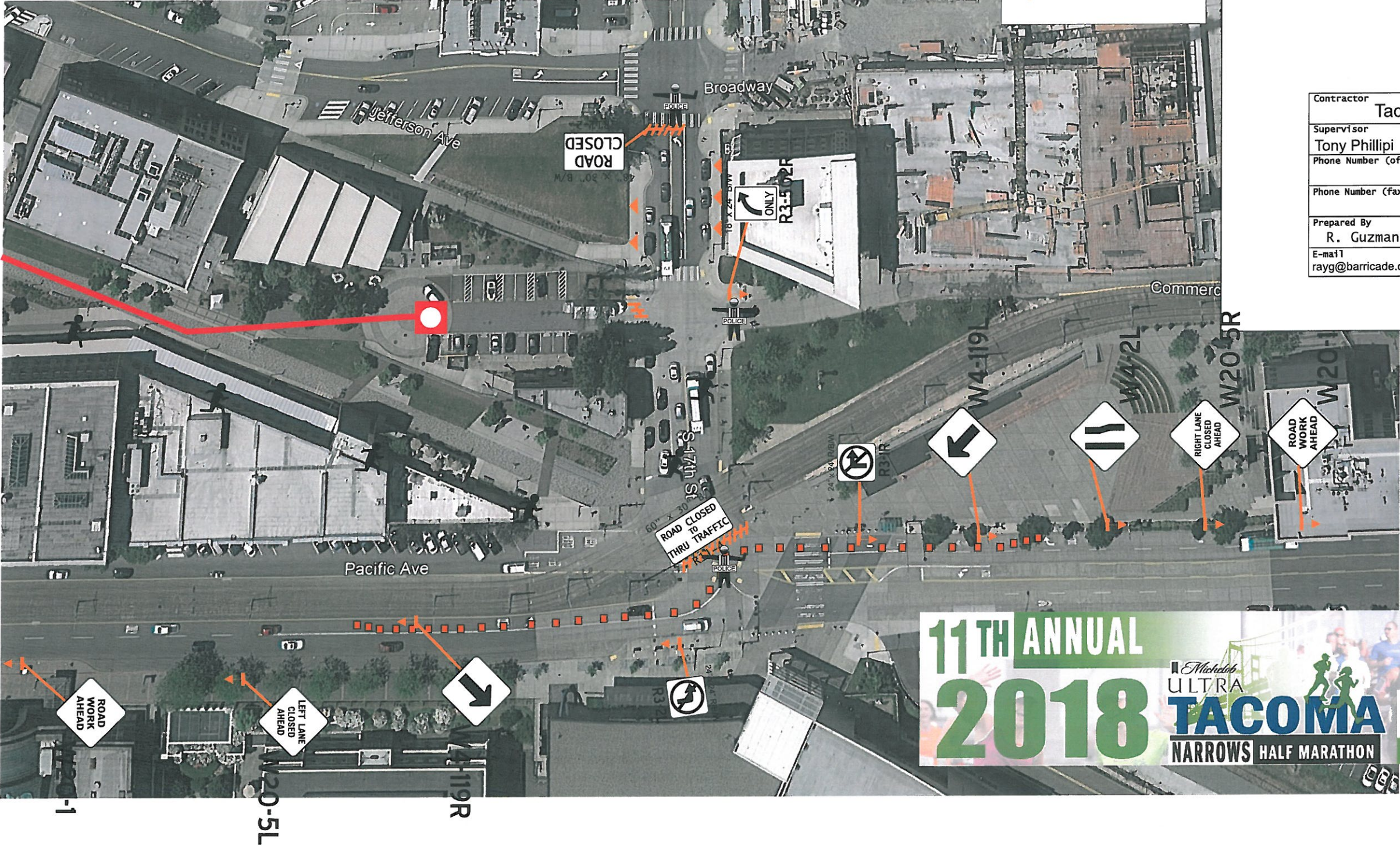
tacomanarrowshalf.com

SATURDAY

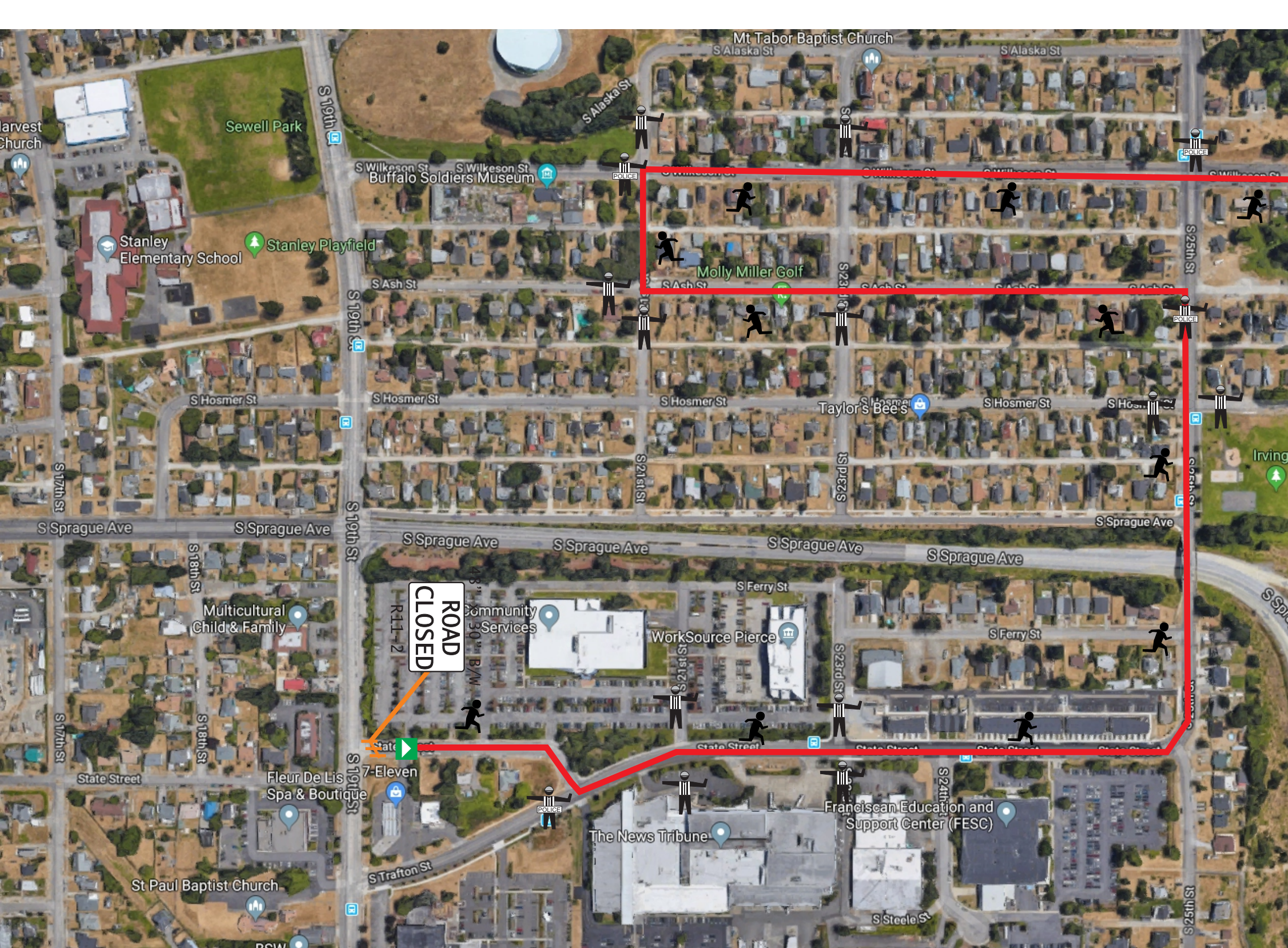
AUGUST 18

8/5/2019

RGj







RACE ROUTE

CONE LINE

RUNNER

UNIFORMED POLICE OFFICER

VOLUNTEER

TYPE III BARRICADE

Traffic Control Supervisor  
Evergreen Safety Council  
Card # 010125  
Traffic Plan Designer  
Raymond Guzman

Exp. Date  
1/31/20

NATIONAL BARRICADE CO. LLC  
ESTABLISHED IN 1951

Contractor		Tacoma Narrows Half Marathon	
Supervisor	Tony Phillipi	Project/Job Number	Tacoma Narrows Marathon
Phone Number (office)		Project Location	
Phone Number (fax)		Sheet Number	1
		Date	07.10.19
Prepared By	R. Guzman	<div><div></div><div>NATIONAL BARRICADE CO. LLC ESTABLISHED IN 1951</div></div> <div>O: 206.523.4045 F: 253.735.6329</div>	
E-mail	rayg@barricade.com		

SIGN SPACING = X (1)		
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
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TRANSPORTABLE ATTENUATOR								30 FT MIN TO 100 FT MAX		
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS										
PROTECTIVE VEHICLE								NO SPECIFIC DISTANCE REQUIRED		
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA										

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