

# TCP: 7th St NW

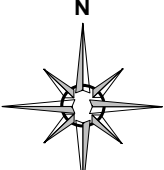
- Traffic Control Standards**
- All traffic control applications and devices are to be pursuant to the Manual on Uniform Traffic Control Devices (MUTCD), current edition.
  - All traffic control signs are to be 36" x 36" with orange background and black lettering (30" x 30" okay on streets classified as "Local").
  - A minimum of three traffic control signs is required in all directions on residential streets adjacent to, or around the corner from, the job site. A minimum of four traffic control signs is required in all directions on arterial streets and state routes adjacent to, or around the corner from, the job site. The City of Puyallup reserves the right to require additional signage depending on the scope of work and the location of the project.
  - In all instances, cones must be orange in color, 28 inches tall, and have two (2) retroreflective bands.
  - The City of Puyallup reserves the right to adjust approved traffic control plans as needed during the project.
  - Taper length equals width of offset times speed limit squared divided by 60.  
 $L=(WS^2)/60$
  - Sign spacing shall be 100 feet when speed limit is 30mph or less.
  - Sign spacing shall be 350 feet when speed limit is greater than 30mph.
  - Distance between signs is mandatory unless field conditions determine otherwise.
  - Distance between cones equals speed limit in units of feet

## All Signs & Spacing to conform to the MUTCD

**SPEED LIMIT**  
**35**  
Valley Ave

**SPEED LIMIT**  
**25**  
Todd Rd

N



Scale:  
|-----100 ft-----|

**Legend**

- Work Area
- Class B Sign
- Cone
- flagger

**Manifest**

- 63 x Cone
- 4 x W20-1 road work ahead
- 3 x W20-7a flagger
- 2 x W9-3 center lane closed ahead
- 1 x R4-7a Keep Right
- 2 x W5-5 lane shift ahead W5-5

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

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, 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

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

10/19/2023




**WASHINGTON STATE TRAFFIC CONTROL SUPERVISOR**

Name: Anthony R. Stordahl  
ID No./SSN: 71053B  
Card No: **012539**  
Date of Expiration: 7/31/2024

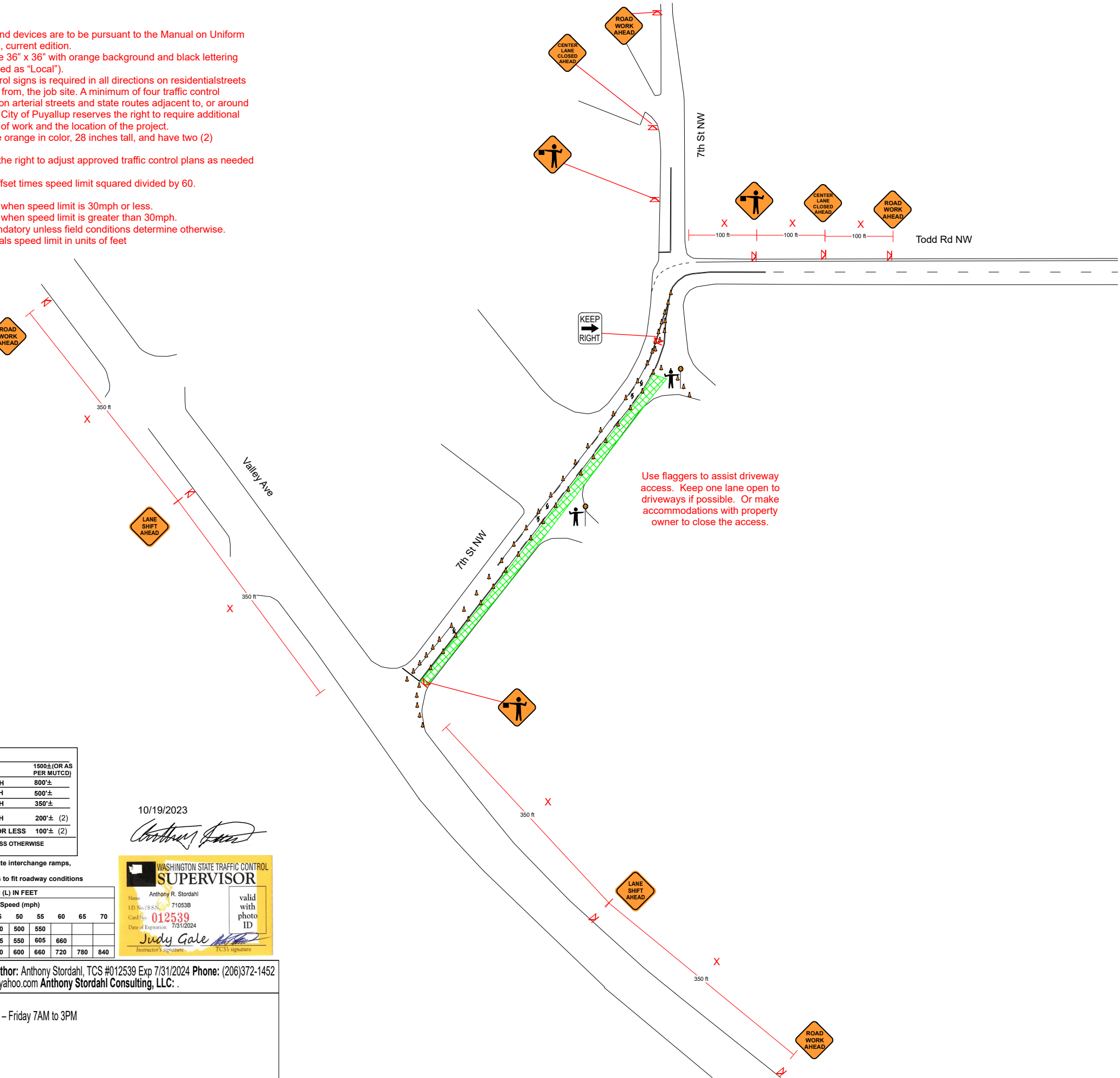
*Judy Gale*  
Instructor's signature

valid with photo ID



**Date:** 10/19/2023 **Author:** Anthony Stordahl, TCS #012539 Exp 7/31/2024 **Phone:** (206)372-1452  
**Email:** antstordahl@yahoo.com Anthony Stordahl Consulting, LLC: .

**Comments:**  
Work Hours: Monday – Friday 7AM to 3PM  
Type of Work:



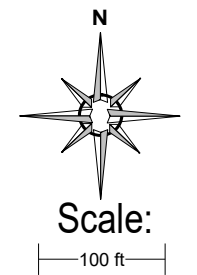
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**SPEED LIMIT**  
**35**  
Valley Ave

**SPEED LIMIT**  
**25**  
Todd Rd



**Legend**

- Work Area
- Cone
- flagger
- Class B Sign

**Manifest**

- 30 x Cone
- 3 x W20-1 road work ahead
- 3 x W20-7a flagger
- 3 x W20-4 one lane road ahead

CHANNELIZING DEVICE SPACING (FEET)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

SIGN SPACING=X (FEET) (1)

FREEWAYS & EXPRESSWAYS	55/70 MPH	1500±(OR AS PER MUTCD)
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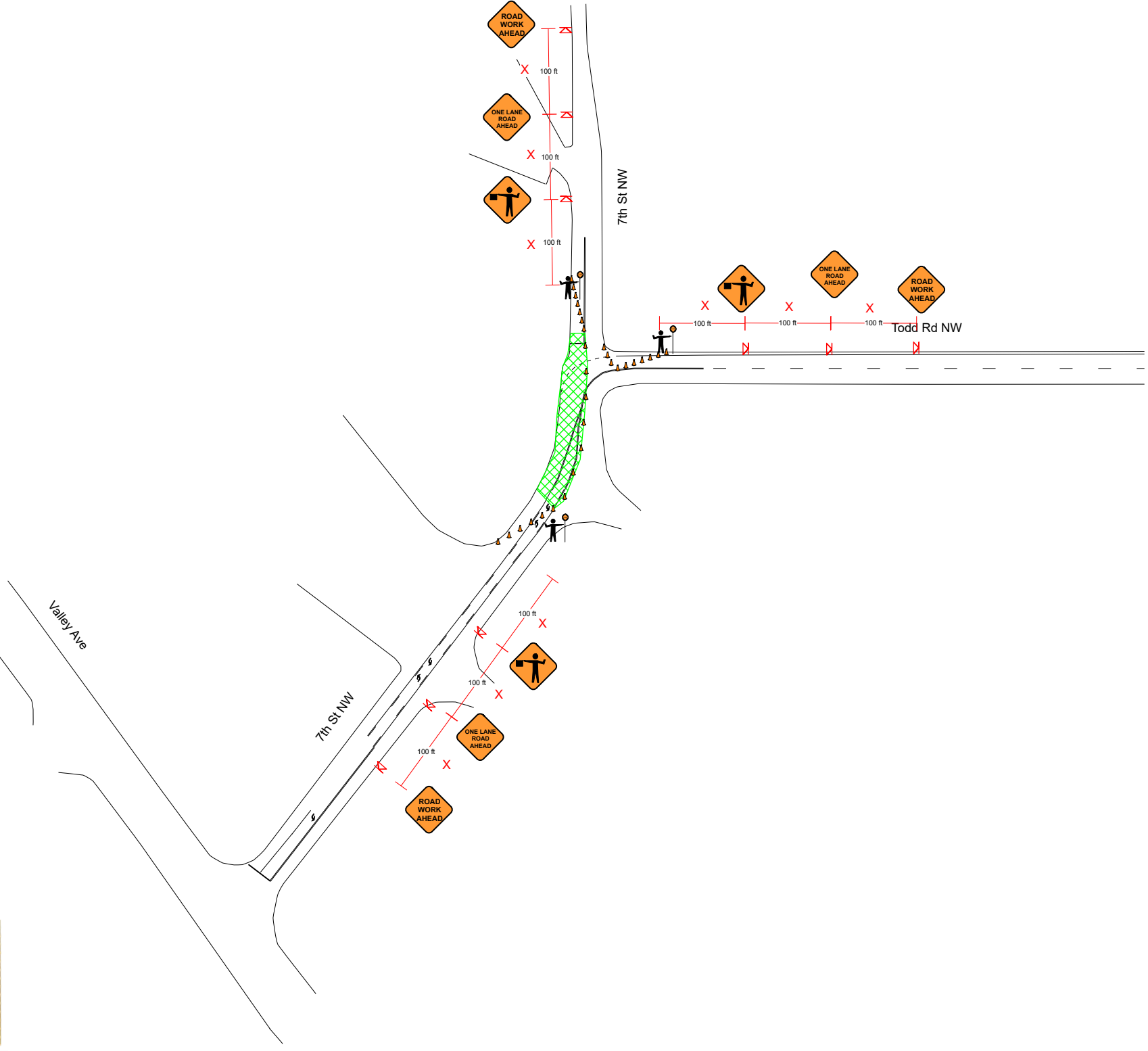
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*Anthony Stordahl*

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*Judy Gale*  
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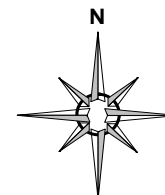
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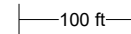
## All Signs & Spacing to conform to the MUTCD



Todd Rd



Scale:

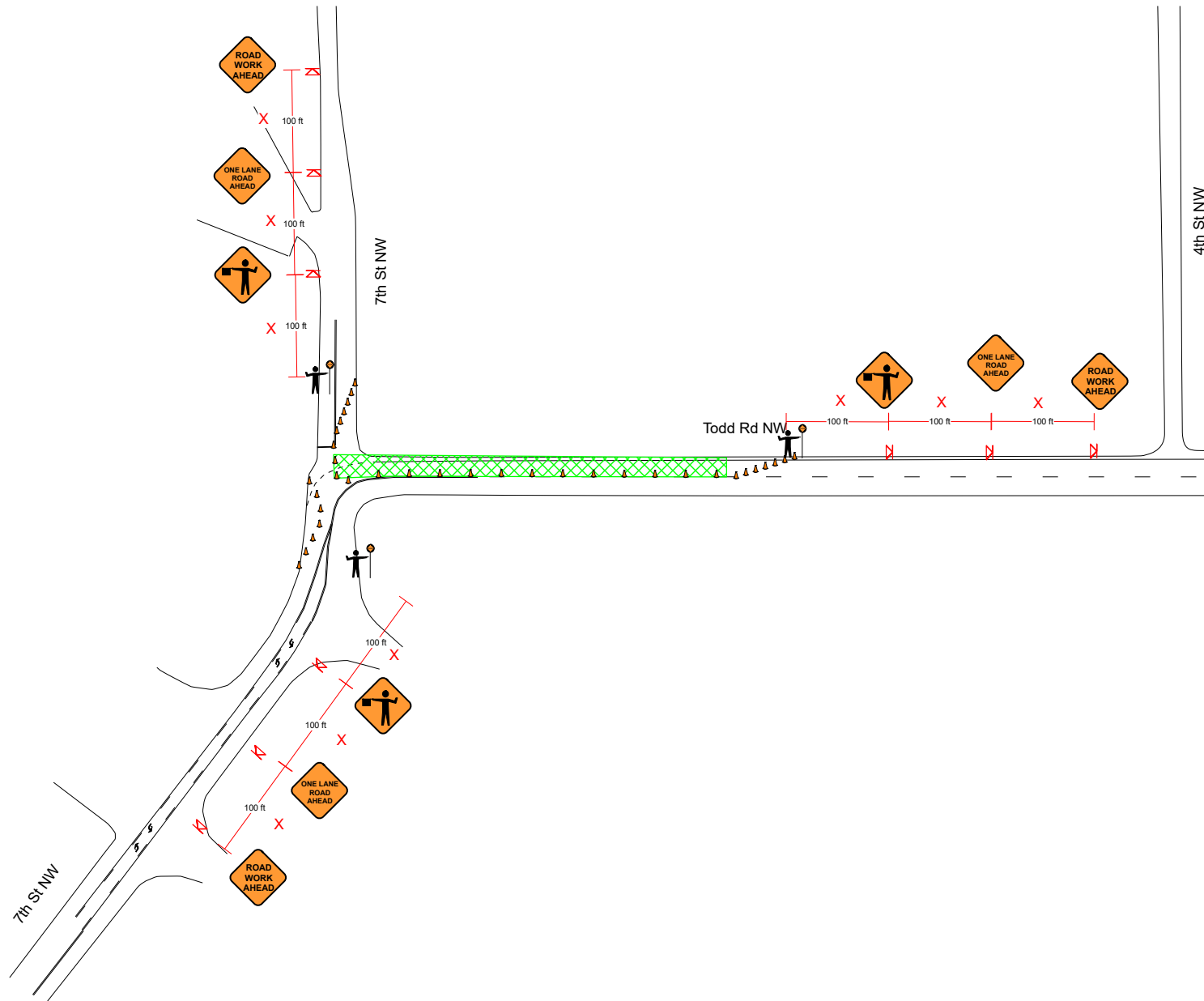


### Legend

- Work Area
- Cone
- flagger
- Class B Sign

### Manifest

- 36 x Cone
- 3 x W20-1 road work ahead
- 3 x W20-7a flagger
- 3 x W20-4 one lane road ahead



MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

ROAD TYPE	SPEED LIMIT (MPH)	MINIMUM SIGN SPACING (FEET)
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, RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200± (2)
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Lane Width (Feet)	Posted Speed (mph)									
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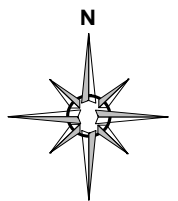
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## All Signs & Spacing to conform to the MUTCD



Todd Rd



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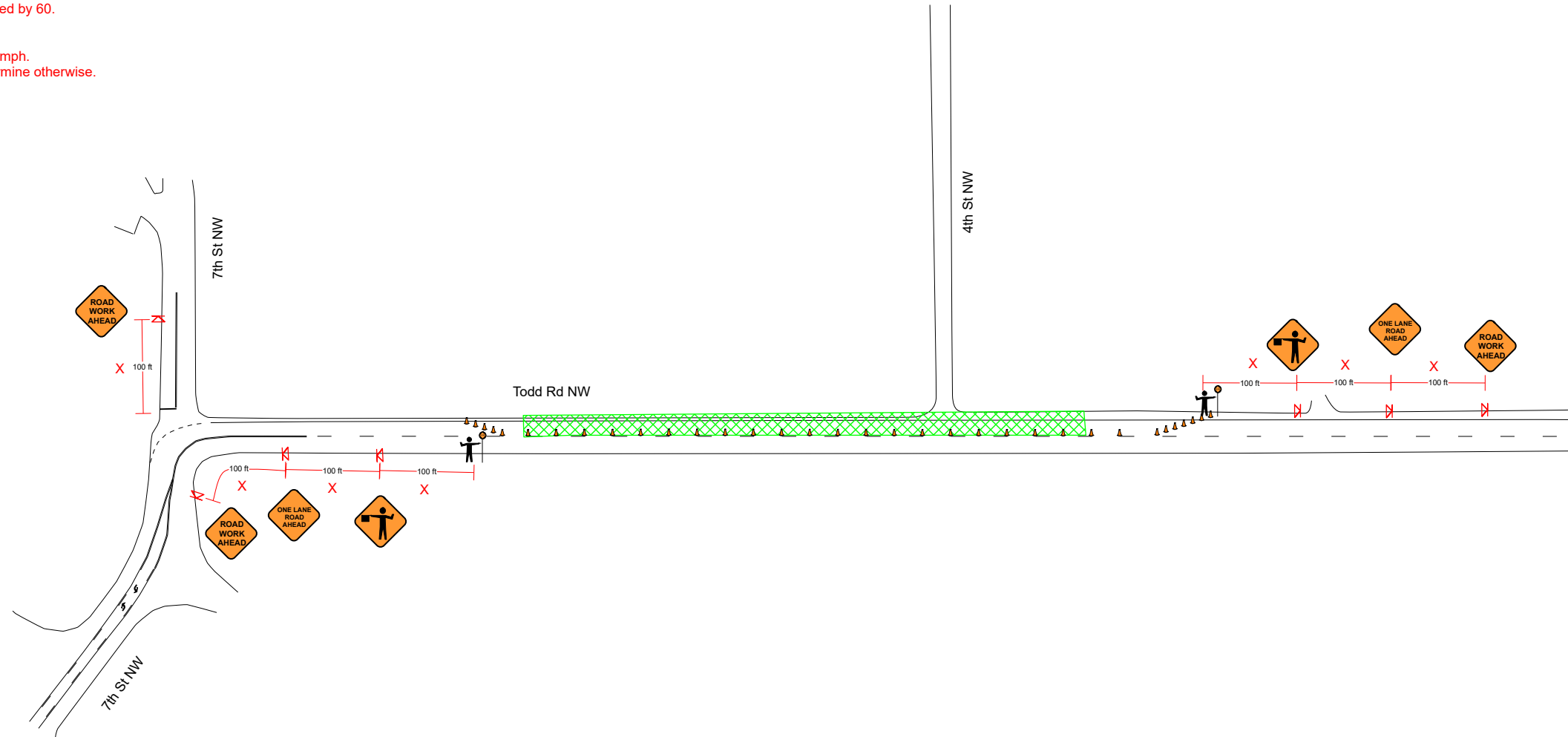
### Legend

- Work Area
- Cone
- flagger
- Class B Sign

### Manifest

- 34 x Cone
- 3 x W20-1 road work ahead
- 2 x W20-7a flagger
- 2 x W20-4 one lane road ahead

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12	125	180	245	320	540	600	660	720	780	840

10/19/2023

ANTHONY R. STORDAHL  
WASHINGTON STATE TRAFFIC CONTROL SUPERVISOR  
Name: Anthony R. Stordahl  
ID No./SSN: 71053B  
Card No: 012539  
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JUDY GALE  
Instructor's signature TCS3 signatory

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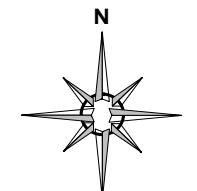
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Todd Rd



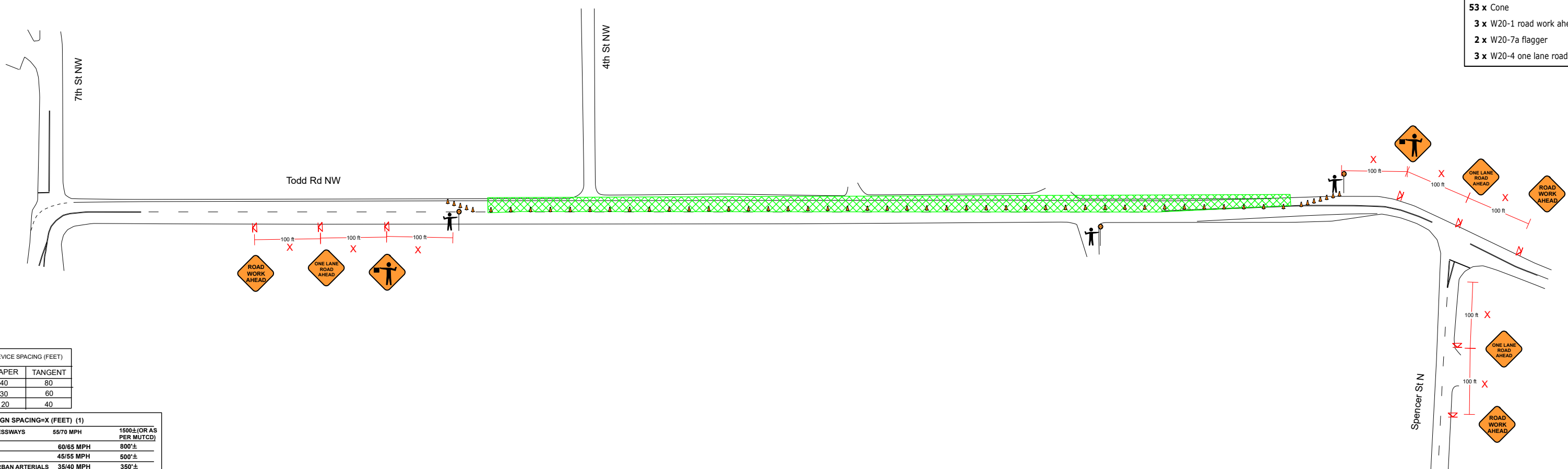
Scale: 100 ft

### Legend

- Work Area
- Cone
- flagger
- Class B Sign

### Manifest

- 53 x Cone
- 3 x W20-1 road work ahead
- 2 x W20-7a flagger
- 3 x W20-4 one lane road ahead



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MPH	TAPER	TANGENT
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35/45	30	60
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WASHINGTON STATE TRAFFIC CONTROL SUPERVISOR

Name: Anthony R. Stordahl  
 I.D. No./SSN: 71053B  
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Instructor's signature TCS's signature

valid with photo ID

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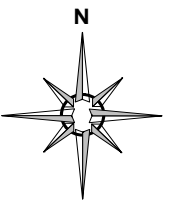
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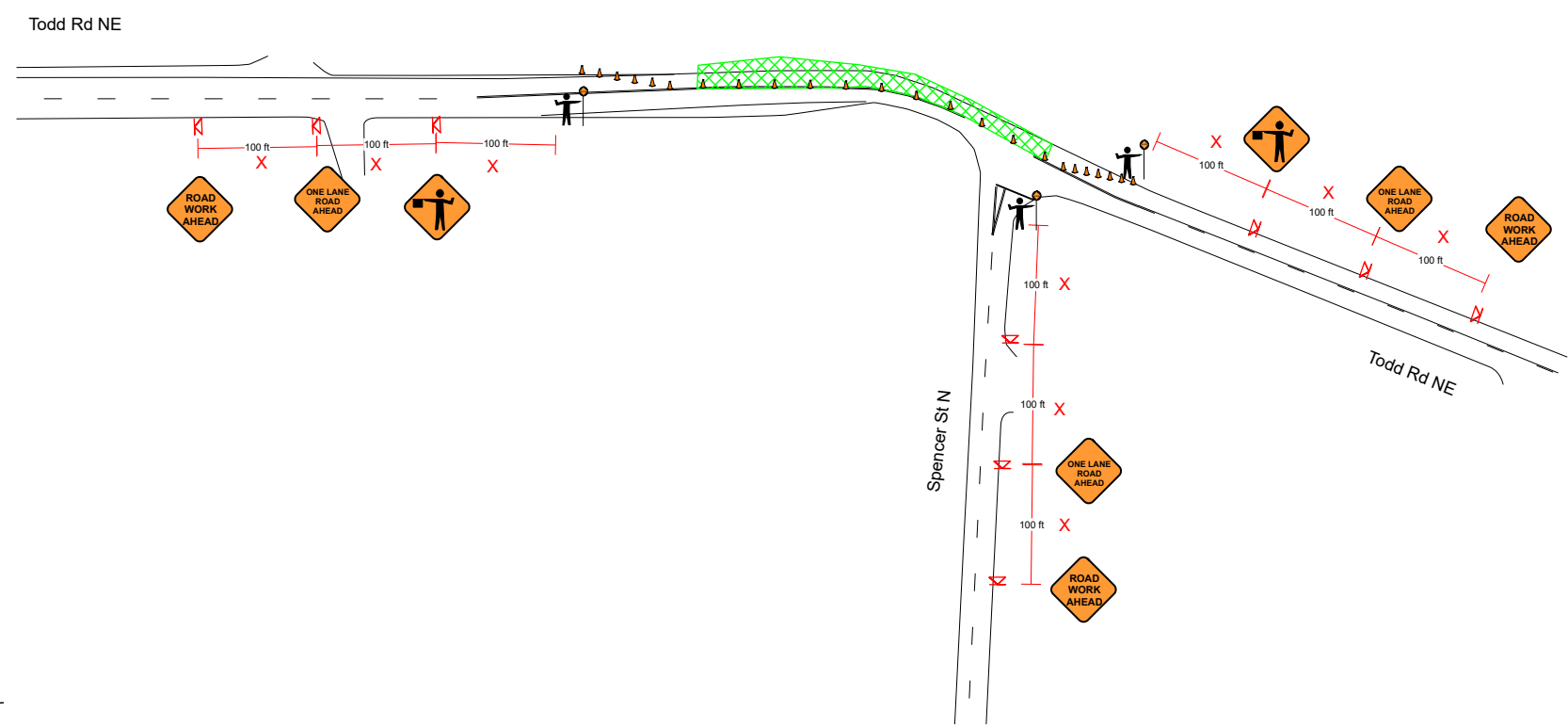
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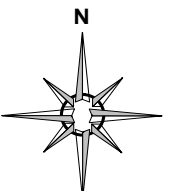
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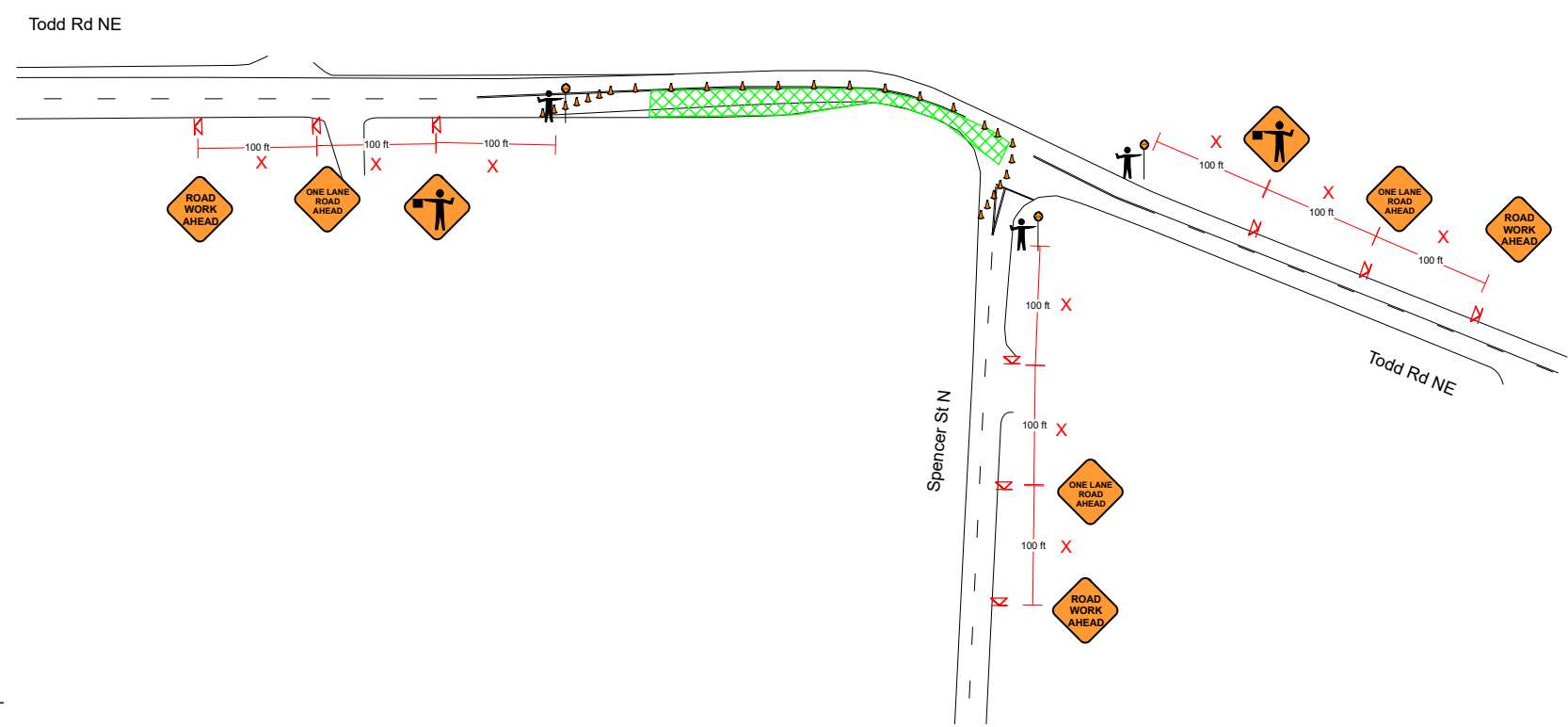
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- Work Area
- Cone
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- 2 x W20-7a flagger
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**Email:** antstordahl@yahoo.com **Anthony Stordahl Consulting, LLC:**

**Comments:**  
Work Hours: Monday – Friday 7AM to 3PM  
Type of Work:

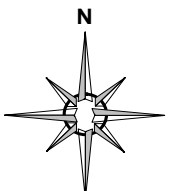
# TCP: 7th St NW

## All Signs & Spacing to conform to the MUTCD

- Traffic Control Standards**
- All traffic control applications and devices are to be pursuant to the Manual on Uniform Traffic Control Devices (MUTCD), current edition.
  - All traffic control signs are to be 36" x 36" with orange background and black lettering (30" x 30" okay on streets classified as "Local").
  - A minimum of three traffic control signs is required in all directions on residential streets adjacent to, or around the corner from, the job site. A minimum of four traffic control signs is required in all directions on arterial streets and state routes adjacent to, or around the corner from, the job site. The City of Puyallup reserves the right to require additional signage depending on the scope of work and the location of the project.
  - In all instances, cones must be orange in color, 28 inches tall, and have two (2) retroreflective bands.
  - The City of Puyallup reserves the right to adjust approved traffic control plans as needed during the project.
  - Taper length equals width of offset times speed limit squared divided by 60.  
 $L=(WS^2)/60$
  - Sign spacing shall be 100 feet when speed limit is 30mph or less.
  - Sign spacing shall be 350 feet when speed limit is greater than 30mph.
  - Distance between signs is mandatory unless field conditions determine otherwise.
  - Distance between cones equals speed limit in units of feet



Todd Rd



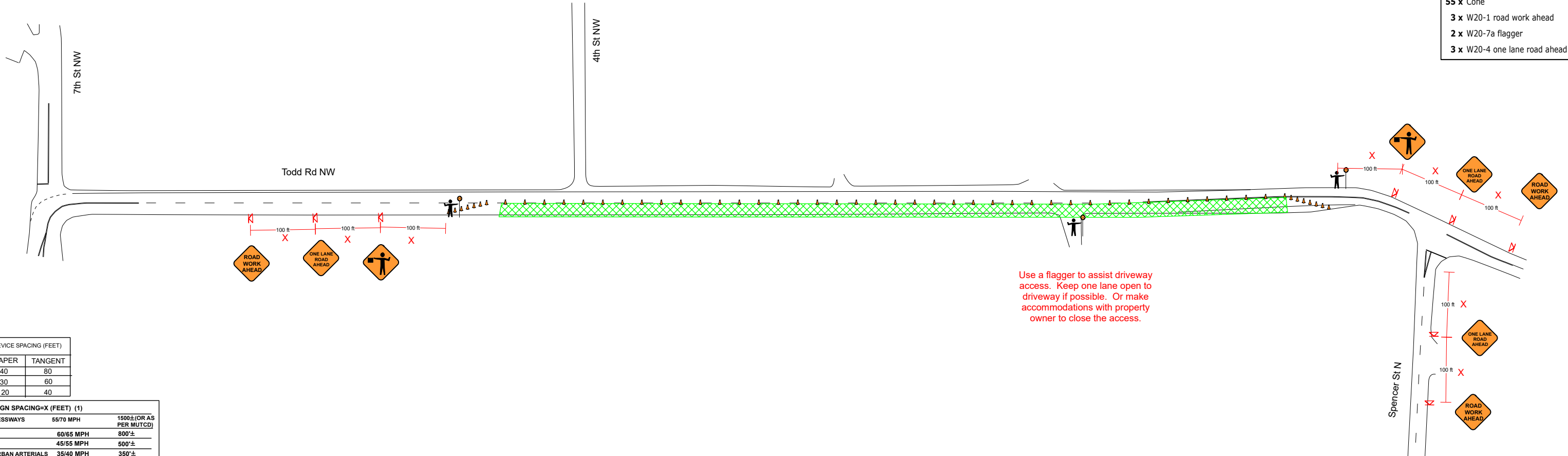
Scale: 100 ft

**Legend**

- Work Area
- Cone
- flagger
- Class B Sign

**Manifest**

- 55 x Cone
- 3 x W20-1 road work ahead
- 2 x W20-7a flagger
- 3 x W20-4 one lane road ahead



CHANNELIZING DEVICE SPACING (FEET)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

SIGN SPACING-X (FEET) (1)

ROAD TYPE	SPACING (FEET)
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	25/30 MPH 200± (2)
URBAN STREETS	25 MPH OR LESS 100± (2)

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

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

MINIMUM TAPER LENGTH (L) IN FEET

Lane Width 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

10/19/2023

WASHINGTON STATE TRAFFIC CONTROL SUPERVISOR

Name: Anthony R. Stordahl  
 I.D. No./SSN: 71053B  
 Card No: 012539  
 Date of Expiration: 7/31/2024

Instructor's signature TCS's signature

valid with photo ID

Date: 10/19/2023 Author: Anthony Stordahl, TCS #012539 Exp 7/31/2024 Phone: (206)372-1452  
 Email: antstordahl@yahoo.com Anthony Stordahl Consulting, LLC: .

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