

# WILDWOOD PARK DR @ 31ST AVE SE

## HH-222 ACCESS

### SHOULDER WORK

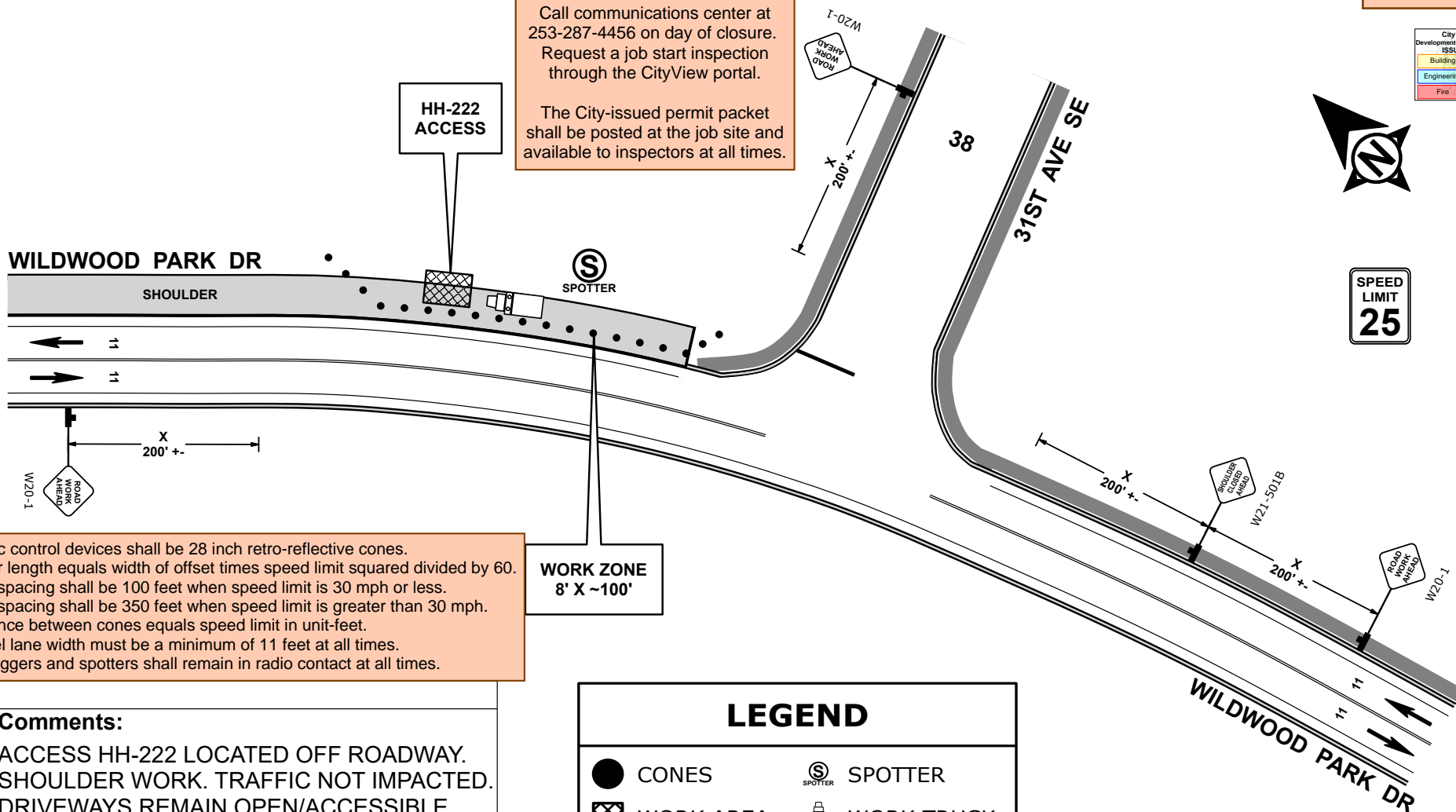
**TRAFFIC CONTROL PLAN**  
**JOB # P. 110931. C. 45**  
**PERMIT # PRFUP20230610**

**CLOSURE ALLOWED:**  
 Monday - Friday  
 9AM - 3PM  
 Call communications center at 253-287-4456 on day of closure.  
 Request a job start inspection through the CityView portal.  
 The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic



**SPEED LIMIT**  
**25**



- 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.

**WORK ZONE**  
 8' X ~100'

### LEGEND

- CONES
- ⊗ WORK AREA
- Ⓢ SPOTTER
- 🚚 WORK TRUCK

### Comments:

ACCESS HH-222 LOCATED OFF ROADWAY. SHOULDER WORK. TRAFFIC NOT IMPACTED. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. SPOTTER WILL ASSIST AT WORK AREA.

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

Date: 4/28/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 110931. C. 45  
 CERT: WA TCS # ES2 000151 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

- Comments:**  
 General Requirements
- All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.
  - Channelizing devices are 28" traffic cones with retro reflective material.
  - All signs are 36" x 36" B/O unless otherwise specified.
  - Alert affected local residents and businesses.
  - Crew is required to leave a minimum 11' for lane width.
  - Work hours will be determined by City of PUYALLUP.

Designed For: LUMEN  
 Project # P. 110931. C. 45  
 Jeffrey D. Hubbard  
 Traffic Control Supervisor  
 WA TCS # ES2 000151  
 Draw Date: 4/28/2023  
 Phone 253-737-5198  
 jhubbard.tcp@gmail.com

*Jeffrey Hubbard*

**UNLAWFUL FOR ANYONE (OTHER THAN CITY OF PUYALLUP) TO ALTER THIS CERTIFIED PLAN W/O EXPRESS WRITTEN CONSENT FROM: JEFFREY D. HUBBARD, TCS# 011989, JHUBBARD.TCP@GMAIL.COM**

**Comments:**  
 CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**Comments:**  
 SIGN SPACING

MPH	"X"
20	100'
25-30	200'
35-40	350'
45+	500'

**NOT TO SCALE**

**Comments:**

MERGING TAPER	TAPER LENGTH ("L") LANE WIDTH			
	MPH	10'	11'	12'
L	30	150	165	180
SHIFTING TAPER	20	70	75	80
1/2 L	25	105	115	165
SHOULDER TAPER	30	150	225	245
	40	270	295	320
	45	450	495	540
1/3 L	50	500	550	600

# WILDWOOD PARK DR @ 27TH AVE SE MH-220 ACCESS ONE-LANE TWO-WAY OPERATION

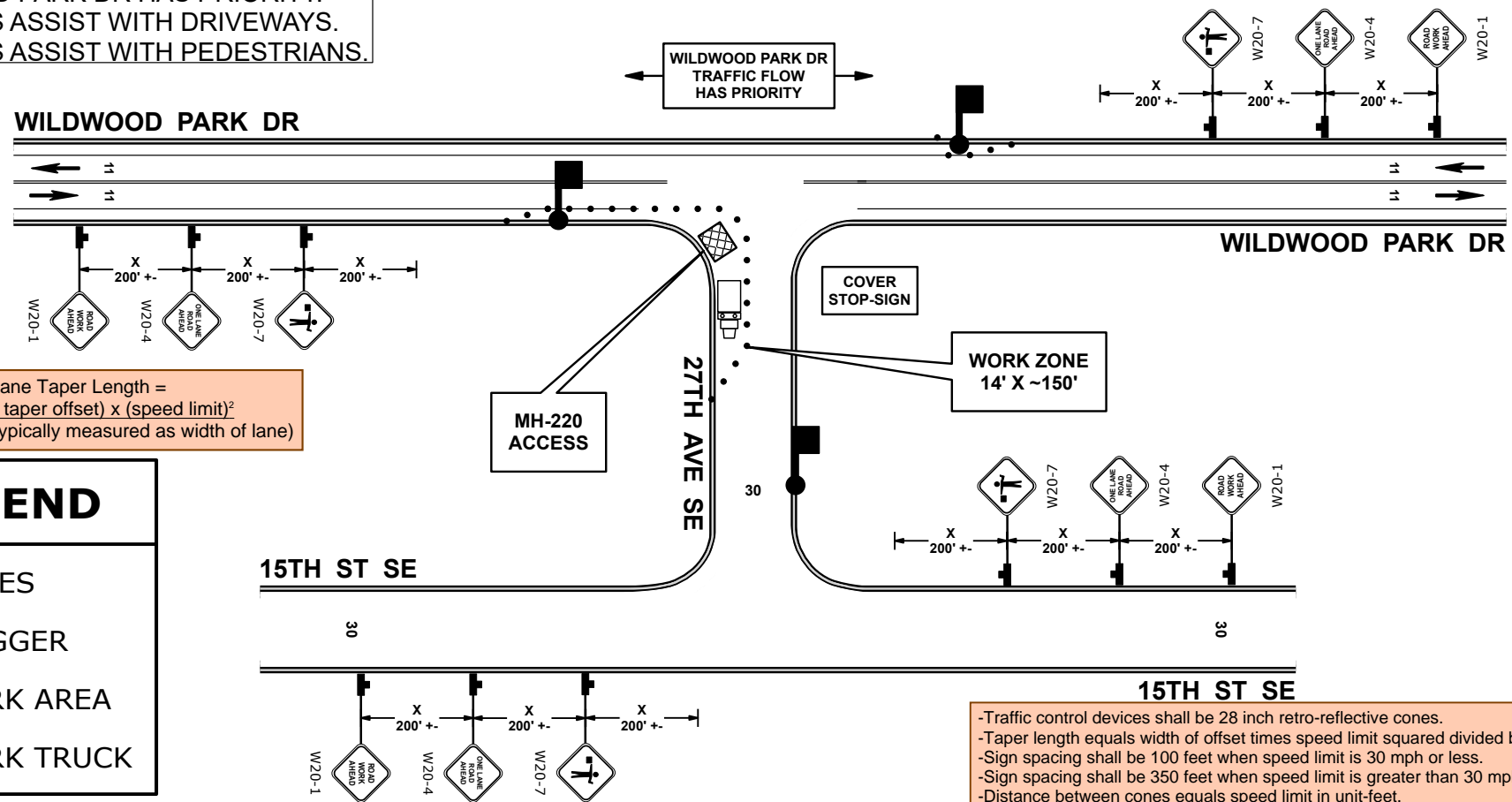
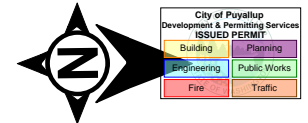
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**TRAFFIC CONTROL PLAN**  
JOB # P. 110931. C. 45  
PERMIT # PRFUP20230610

**Comments:**

ACCESS MH-220 LOCATED IN ROADWAY.  
ONE-LANE TWO-WAY OPERATION.  
WILDWOOD PARK DR HAS PRIORITY.  
FLAGGERS ASSIST WITH DRIVEWAYS.  
FLAGGERS ASSIST WITH PEDESTRIANS.



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

## LEGEND

- CONES
- FLAGGER
- WORK AREA
- WORK TRUCK

- 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.

Date: 4/28/2023 Author: Jeffrey D. Hubbard, Traffic Control Supervisor Project: P. 110931. C. 45  
CERT: WA TCS # ES2 000151 LUMEN: Certified Traffic Control Plan LOCATION: PUYALLUP, WA

**Comments:**  
General Requirements  
1. All signs and spacing to conform to the MUTCD and City of PUYALLUP Requirements.  
2. Channelizing devices are 28" traffic cones with retro reflective material.  
3. All signs are 36" x 36" B/O unless otherwise specified.  
4. Alert affected local residents and businesses.  
5. Crew is required to leave a minimum 11' for lane width.  
6. Work hours will be determined by City of PUYALLUP.

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Project # P. 110931. C. 45  
Jeffrey D. Hubbard  
Traffic Control Supervisor  
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MPH	TAPER	TANGENT
25 / 30	20'	40'
35 / 45	30'	60'
ONE-LANE TWO-WAY TAPER 50' TO 100'		

**NOT TO SCALE**

**Comments:**  
SIGN SPACING

MPH	"X"
20	100'
25-30	200'
35-40	350'
45+	500'

**Comments:**

	TAPER LENGTH ("L")	LANE WIDTH			
		MPH	10'	11'	12'
MERGING TAPER		20	70	75	80
SHIFTING TAPER	25	105	115	165	
1/2 L		30	150	165	180
		35	205	225	245
SHOULDER TAPER		40	270	295	320
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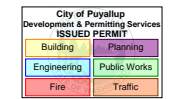
# 23RD AVE SE @ WILDWOOD PARK DR MH-182 ACCESS LANE-SHIFT

- 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.

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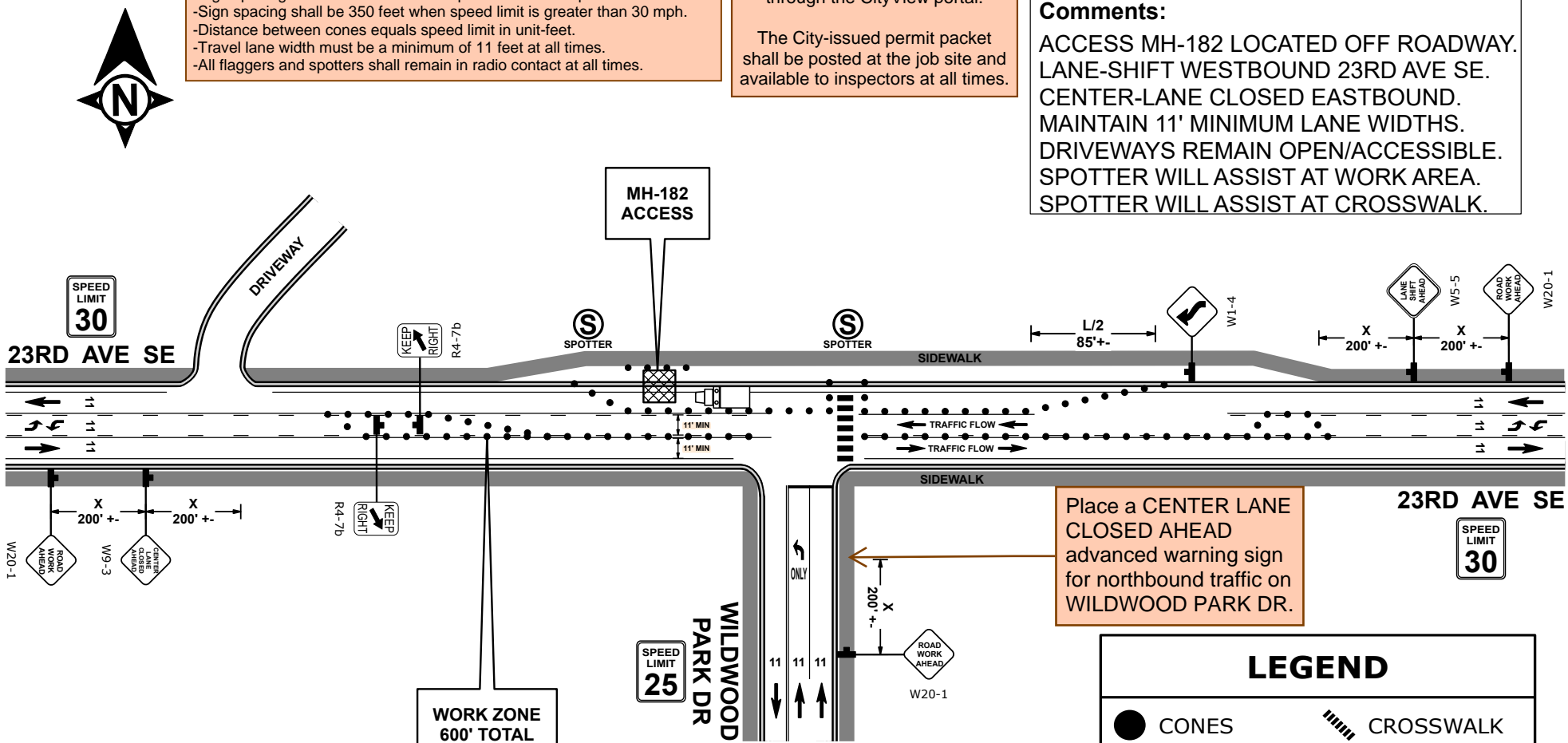
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**TRAFFIC CONTROL PLAN**  
JOB # P. 110931. C. 45  
PERMIT # PRFUP20230610

**Comments:**  
ACCESS MH-182 LOCATED OFF ROADWAY. LANE-SHIFT WESTBOUND 23RD AVE SE. CENTER-LANE CLOSED EASTBOUND. MAINTAIN 11' MINIMUM LANE WIDTHS. DRIVEWAYS REMAIN OPEN/ACCESSIBLE. SPOTTER WILL ASSIST AT WORK AREA. SPOTTER WILL ASSIST AT CROSSWALK.



Place a CENTER LANE CLOSED AHEAD advanced warning sign for northbound traffic on WILDWOOD PARK DR.

### LEGEND

- CONES
- ⊙ SPOTTER
- 🚚 WORK TRUCK
- ▨ CROSSWALK
- ⊠ WORK AREA

Lane Taper Length =  $(\text{width of taper offset}) \times (\text{speed limit})^2 / 60$   
(width of taper typically measured as width of lane)

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**NOT TO SCALE**

**Comments:**  
CHANNELIZATION SPACING

MPH	TAPER	TANGENT
25 / 30	20'	40'
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ONE-LANE TWO-WAY TAPER 50' TO 100'		

**Comments:**  
SIGN SPACING

MPH	"X"
20	100'
25-30	200'
35-40	350'
45+	500'

**Comments:**

MERGING TAPER	TAPER LENGTH ("L") LANE WIDTH			
	MPH	10'	11'	12'
SHIFTING TAPER	20	70	75	80
	25	105	115	165
1/2 L	30	150	165	180
	35	205	225	245
SHOULDER TAPER	40	270	295	320
	45	450	495	540
1/3 L	50	500	550	600

# 23RD AVE SE @ 7TH ST SE MH-180 ACCESS SHOULDER WORK

- 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.

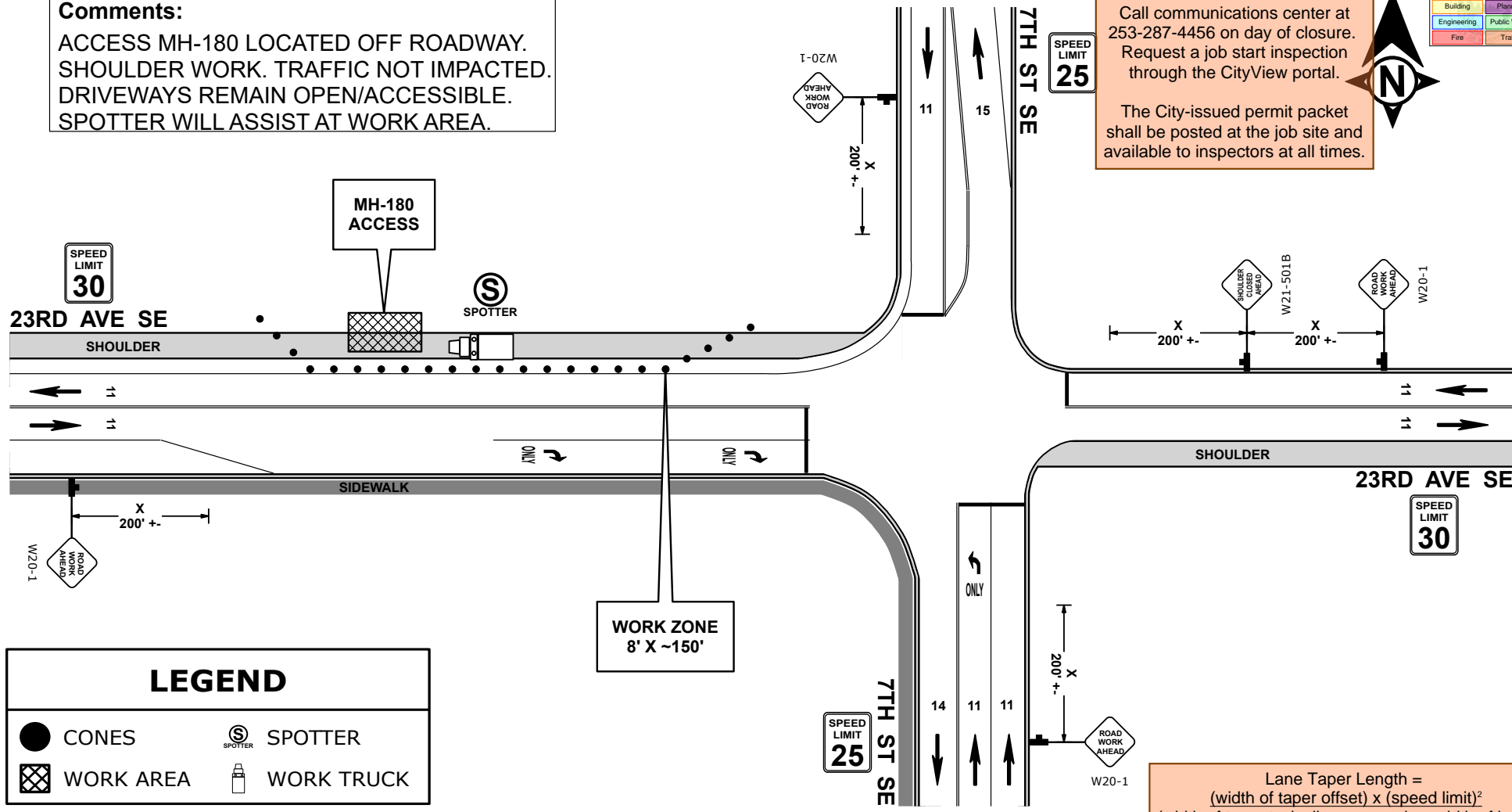
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**Comments:**  
 ACCESS MH-180 LOCATED OFF ROADWAY.  
 SHOULDER WORK. TRAFFIC NOT IMPACTED.  
 DRIVEWAYS REMAIN OPEN/ACCESSIBLE.  
 SPOTTER WILL ASSIST AT WORK AREA.



### LEGEND

- CONES
- ⊗ WORK AREA
- Ⓢ SPOTTER
- 🚚 WORK TRUCK

Lane Taper Length = (width of taper offset) x (speed limit)<sup>2</sup>  
 (width of taper typically measured as width of lane)

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ONE-LANE TWO-WAY TAPER 50' TO 100'		

**Comments:**  
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MPH	"X"
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**Comments:**

	TAPER LENGTH ("L")	LANE WIDTH		
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