

Exhibit H: Typical Traffic Control Plans

North Metro Natural Gas Pipeline Project
Routing Study

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC

Contractor: CAMPOS EPC LLC. MHT # 1

Project: 24" NMR PIPELINE

Method of Handling Traffic: ONE LANE CLOSED ON TWO LANE ROAD

PREPARED BY:

Jennifer Ealey 10/25/2016

ATSSA TCS DATE

PHONE: 970-242-0669

CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

EXPIRATION DATE: 06/24/2017



BASED ON A ONE LANE ROAD WORK ZONE:

TAPER: 50'

DEVICE SPACING: 20'

BUFFER: 100'

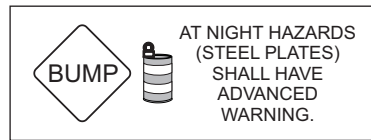
DEVICE SPACING: 40'

END TAPER: 50'

DEVICE SPACING: 20'

TRANSITION AREA: 100'

SIGN SPACING PER MUTCD FIGURE 6H-3			
ROAD TYPE	DISTANCES BETWEEN SIGNS		
	A	B	C
URBAN (35 MPH AND LESS)	100'	100'	100'
URBAN (40 MPH AND GREATER)	350'	350'	350'
RURAL	500'	500'	500'
EXPRESSWAY / FREEWAY	1000'	1500'	2640'

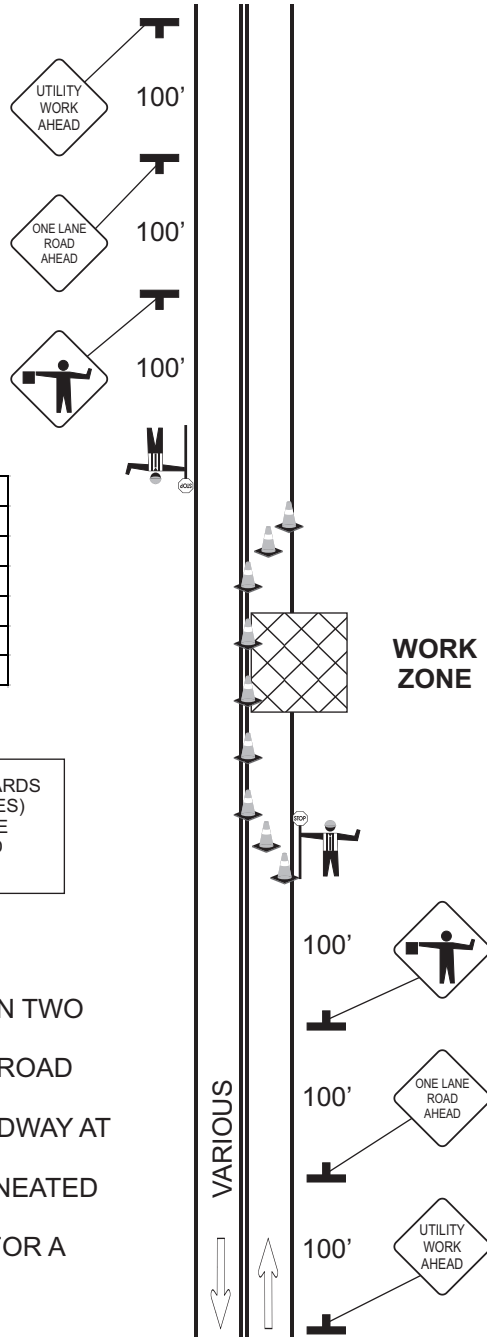


NOTES:

1. CONTRACTOR WILL NEED ONE LANE CLOSED ON TWO LANE ROAD DURING WORKING HOURS ONLY.
2. FLAGGERS WILL STOP TRAFFIC FOR ONE LANE ROAD WORK ZONE.
3. CONTRACTOR WILL WORK IN HALF OF THE ROADWAY AT A TIME.
4. AT NIGHT, HAZARDS WILL BE MARKED AND DELINEATED WITH DRUMS AND FLASHING LIGHTS.
5. REFER TO MUTCD 2009 EDITION FIGURE 6H-10 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- 2 - UTILITY WORK AHEAD
- 2 - ONE LANE ROAD AHEAD
- 2 - FLAGGER SYMBOL
- CONES
- DRUMS / LIGHTS



CEPC16-001-1

*CC ENTERPRISES IS NOT LIABLE FOR SETUP OF EQUIPMENT BY OTHER PERSONS. IMPLEMENTATION OF THE PLAN MAY NEED TO BE ADJUSTED TO ONSITE CONDITIONS.

CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC

Contractor: CAMPOS EPC LLC. MHT # 2

Project: 24" NMR PIPELINE

Method of Handling Traffic: ONE LANE CLOSED ON TWO LANE ROAD AT AN INTERSECTION

PREPARED BY:

Jennifer Ealey 10/25/2016

ATSSA TCS DATE

PHONE: 970-242-0669

CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

EXPIRATION DATE: 06/24/2017

BASED ON A ONE LANE ROAD WORK ZONE:

TAPER: 50'

DEVICE SPACING: 20'

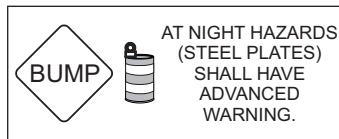
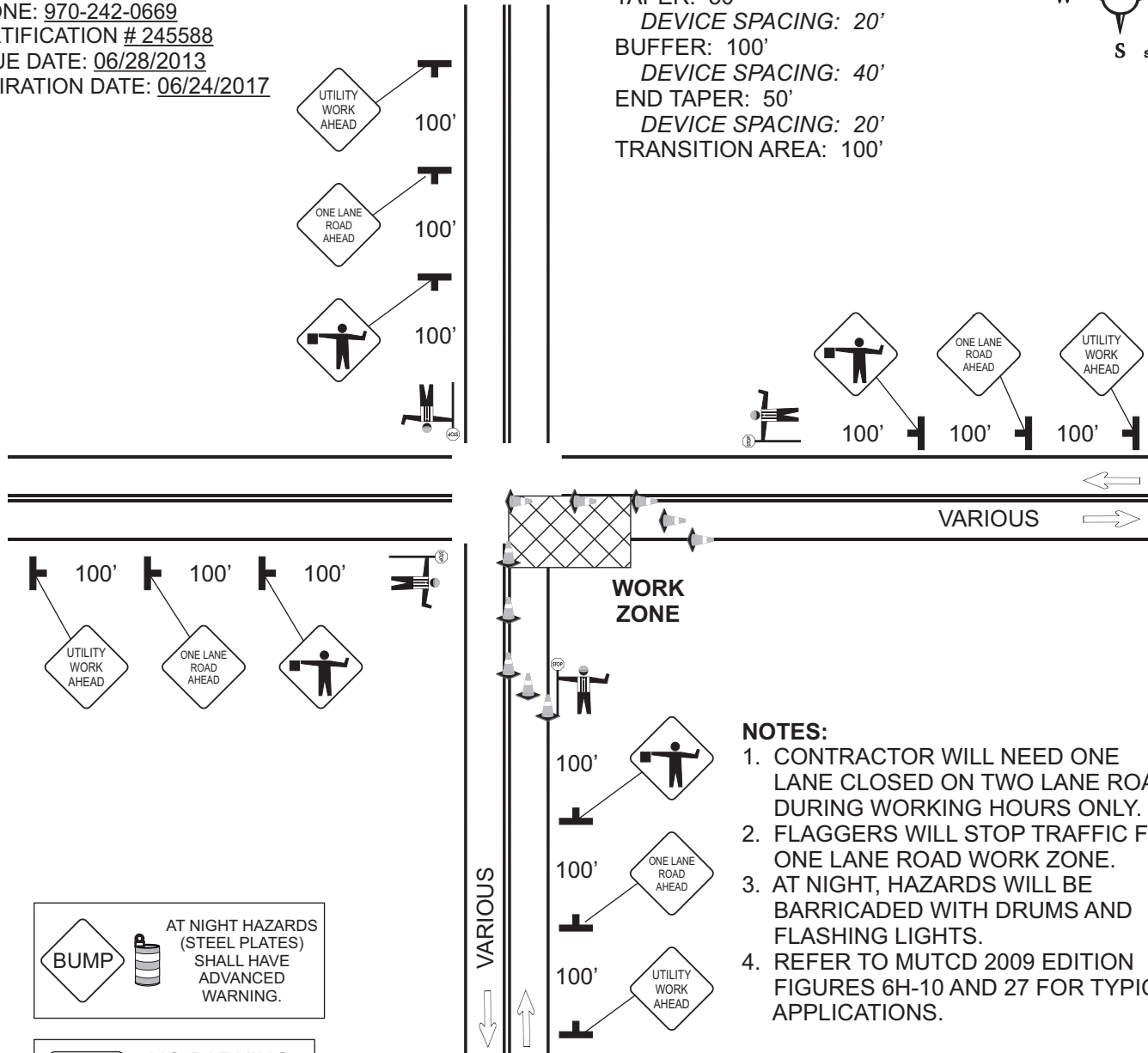
BUFFER: 100'

DEVICE SPACING: 40'

END TAPER: 50'

DEVICE SPACING: 20'

TRANSITION AREA: 100'



NOTES:

1. CONTRACTOR WILL NEED ONE LANE CLOSED ON TWO LANE ROAD DURING WORKING HOURS ONLY.
2. FLAGGERS WILL STOP TRAFFIC FOR ONE LANE ROAD WORK ZONE.
3. AT NIGHT, HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
4. REFER TO MUTCD 2009 EDITION FIGURES 6H-10 AND 27 FOR TYPICAL APPLICATIONS.

SIGNS:

- 4 - UTILITY WORK AHEAD
- 4 - ONE LANE ROAD AHEAD
- 4 - FLAGGER SYMBOL
- CONES
- DRUMS / LIGHTS

SIGN SPACING PER MUTCD FIGURE 6H-3			
ROAD TYPE	DISTANCES BETWEEN SIGNS		
	A	B	C
URBAN (35 MPH AND LESS)	100'	100'	100'
URBAN (40 MPH AND GREATER)	350'	350'	350'
RURAL	500'	500'	500'
EXPRESSWAY / FREEWAY	1000'	1500'	2640'

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC

Contractor: CAMPOS EPC LLC. MHT # 3

Project: 24" NMR PIPELINE

Method of Handling Traffic: TYPICAL SHOULDER CLOSURE

PREPARED BY:

Jennifer Ealey 10/25/2016

ATSSA TCS DATE

PHONE: 970-242-0669

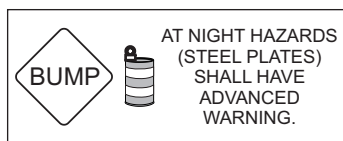
CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

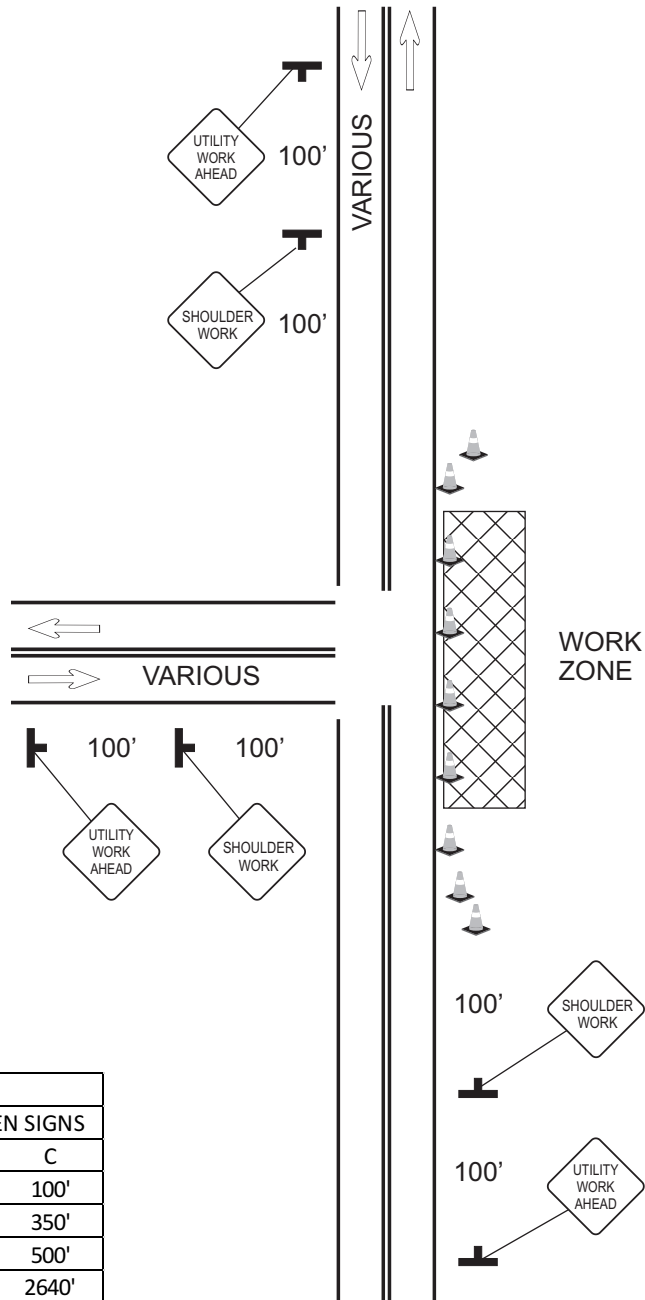
EXPIRATION DATE: 06/24/2017



COMMON URBAN SPEED LIMITS	
BASED ON A SPEED OF 25 MPH:	BASED ON A SPEED OF 40 MPH:
SHOULDER TAPER: 41'	SHOULDER TAPER: 105'
DEVICE SPACING: 25'	DEVICE SPACING: 40'
SHOULDER BUFFER: 155'	SHOULDER BUFFER: 305'
DEVICE SPACING: 50'	DEVICE SPACING: 80'
SHOULDER END TAPER: 50'	SHOULDER END TAPER: 50'
DEVICE SPACING: 25'	DEVICE SPACING: 25'
BASED ON A SPEED OF 35 MPH:	BASED ON A SPEED OF 50 MPH:
SHOULDER TAPER: 80'	SHOULDER TAPER: 200'
DEVICE SPACING: 35'	DEVICE SPACING: 55'
SHOULDER BUFFER: 250'	SHOULDER BUFFER: 425'
DEVICE SPACING: 70'	DEVICE SPACING: 110'
SHOULDER END TAPER: 50'	SHOULDER END TAPER: 50'
DEVICE SPACING: 25'	DEVICE SPACING: 25'



SIGN SPACING PER MUTCD FIGURE 6H-3			
ROAD TYPE	DISTANCES BETWEEN SIGNS		
	A	B	C
URBAN (35 MPH AND LESS)	100'	100'	100'
URBAN (40 MPH AND GREATER)	350'	350'	350'
RURAL	500'	500'	500'
EXPRESSWAY / FREEWAY	1000'	1500'	2640'



NOTES:

1. CONTRACTOR WILL NEED THE SHOULDER CLOSED DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE MARKED AND DELINEATED.
3. REFER TO MUTCD FIGURE 6H-3 FOR A TYPICAL APPLICATION.
4. ALL SIDE STREETS INTERSECTING WITHIN WORK ZONE SHALL HAVE A "UTILITY WORK AHEAD" POSTED.

SIGNS & DEVICES:

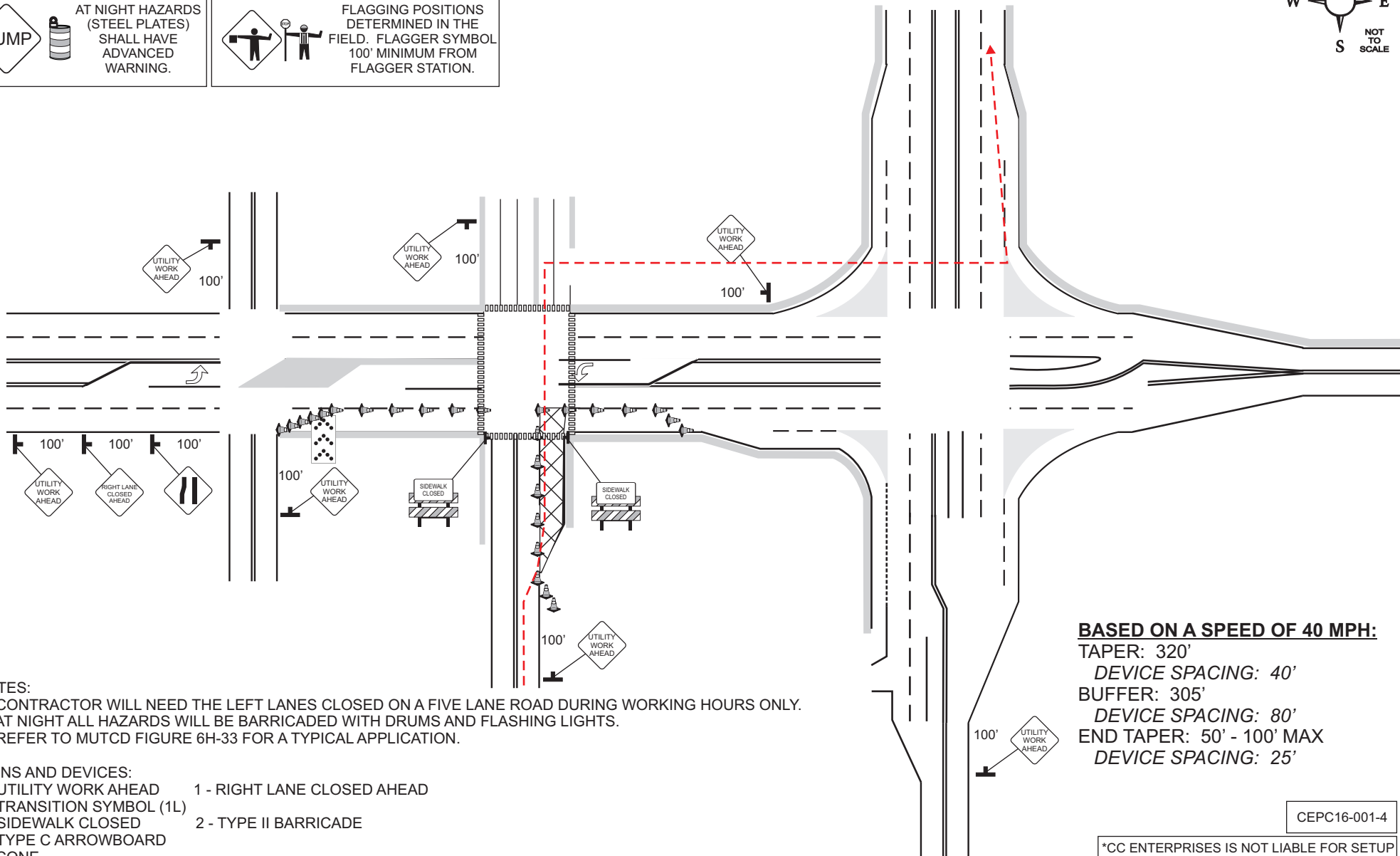
- 3 - UTILITY WORK AHEAD
CONES
- 3 - SHOULDER WORK
CONES

CEPC16-001-3

*CC ENTERPRISES IS NOT LIABLE FOR SETUP OF EQUIPMENT BY OTHER PERSONS. IMPLEMENTATION OF THE PLAN MAY NEED TO BE ADJUSTED TO ONSITE CONDITIONS.

CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
 Contractor: CAMPOS EPC LLC.
 Project: 24" NMR PIPELINE
 Method of Handling Traffic: RIGHT LANE CLOSURE

PREPARED BY:
Jennifer Ealey 10/25/2016
 ATSSA TCS DATE
 PHONE: 970-242-0669
 CERTIFICATION # 245588
 ISSUE DATE: 06/28/2013
 EXPIRATION DATE: 06/24/2017



NOTES:

1. CONTRACTOR WILL NEED THE LEFT LANES CLOSED ON A FIVE LANE ROAD DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
3. REFER TO MUTCD FIGURE 6H-33 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- | | |
|----------------------------|-----------------------------|
| 7 - UTILITY WORK AHEAD | 1 - RIGHT LANE CLOSED AHEAD |
| 1 - TRANSITION SYMBOL (1L) | |
| 2 - SIDEWALK CLOSED | 2 - TYPE II BARRICADE |
| 1 - TYPE C ARROWBOARD | |
| CONE | |
| DRUM (NIGHTTIME) | |

BASED ON A SPEED OF 40 MPH:

TAPER: 320'
 DEVICE SPACING: 40'
 BUFFER: 305'
 DEVICE SPACING: 80'
 END TAPER: 50' - 100' MAX
 DEVICE SPACING: 25'

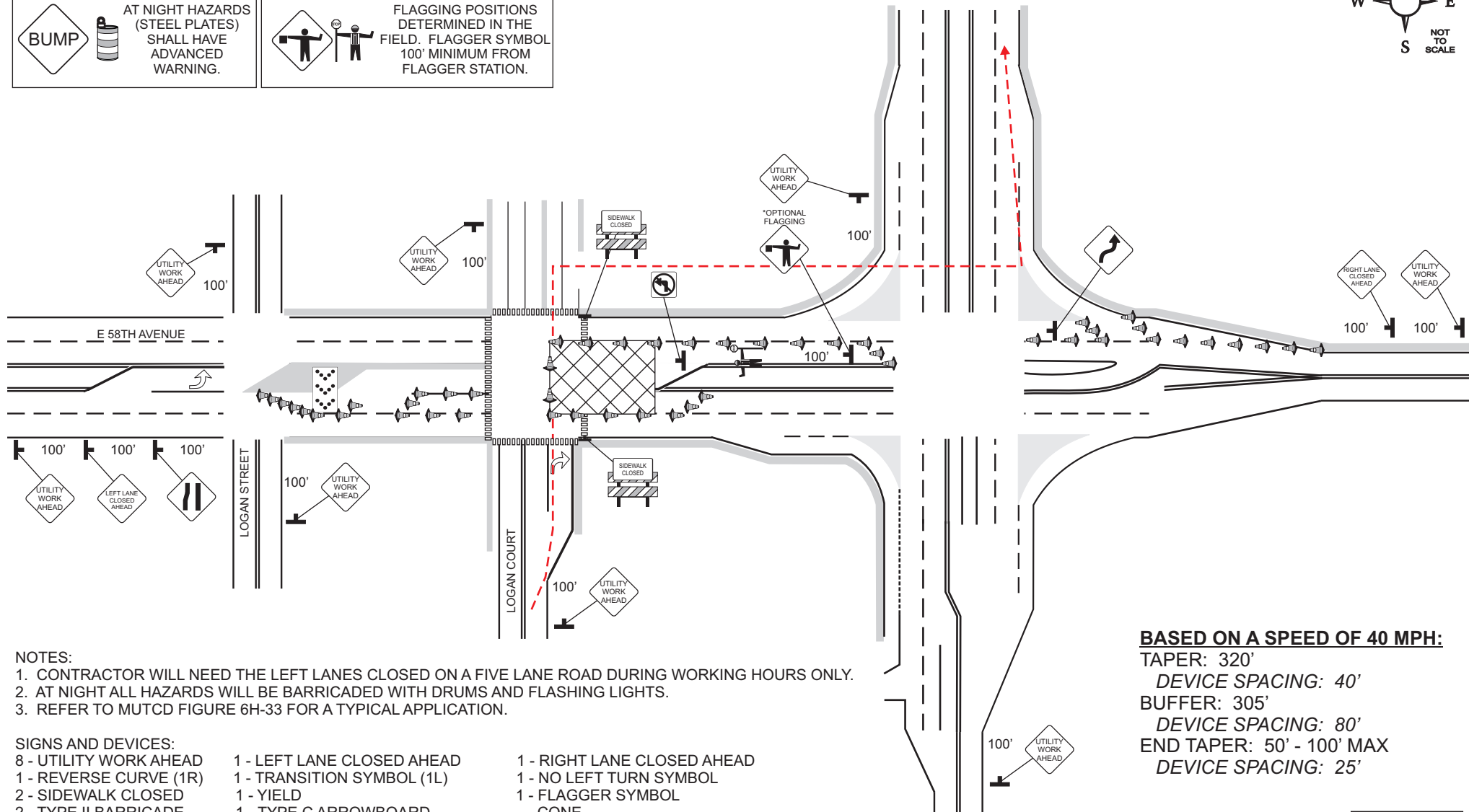
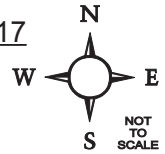
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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
 Contractor: CAMPOS EPC LLC.
 Project: 24" NMR PIPELINE
 Method of Handling Traffic:

MHT # 5

PREPARED BY:
Jennifer Ealey 10/25/2016
 ATSSA TCS DATE
 PHONE: 970-242-0669
 CERTIFICATION # 245588
 ISSUE DATE: 06/28/2013
 EXPIRATION DATE: 06/24/2017



NOTES:

1. CONTRACTOR WILL NEED THE LEFT LANES CLOSED ON A FIVE LANE ROAD DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
3. REFER TO MUTCD FIGURE 6H-33 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- | | | |
|------------------------|----------------------------|-----------------------------|
| 8 - UTILITY WORK AHEAD | 1 - LEFT LANE CLOSED AHEAD | 1 - RIGHT LANE CLOSED AHEAD |
| 1 - REVERSE CURVE (1R) | 1 - TRANSITION SYMBOL (1L) | 1 - NO LEFT TURN SYMBOL |
| 2 - SIDEWALK CLOSED | 1 - YIELD | 1 - FLAGGER SYMBOL |
| 2 - TYPE II BARRICADE | 1 - TYPE C ARROWBOARD | 1 - CONE |
| DRUM (NIGHTTIME) | | |

BASED ON A SPEED OF 40 MPH:

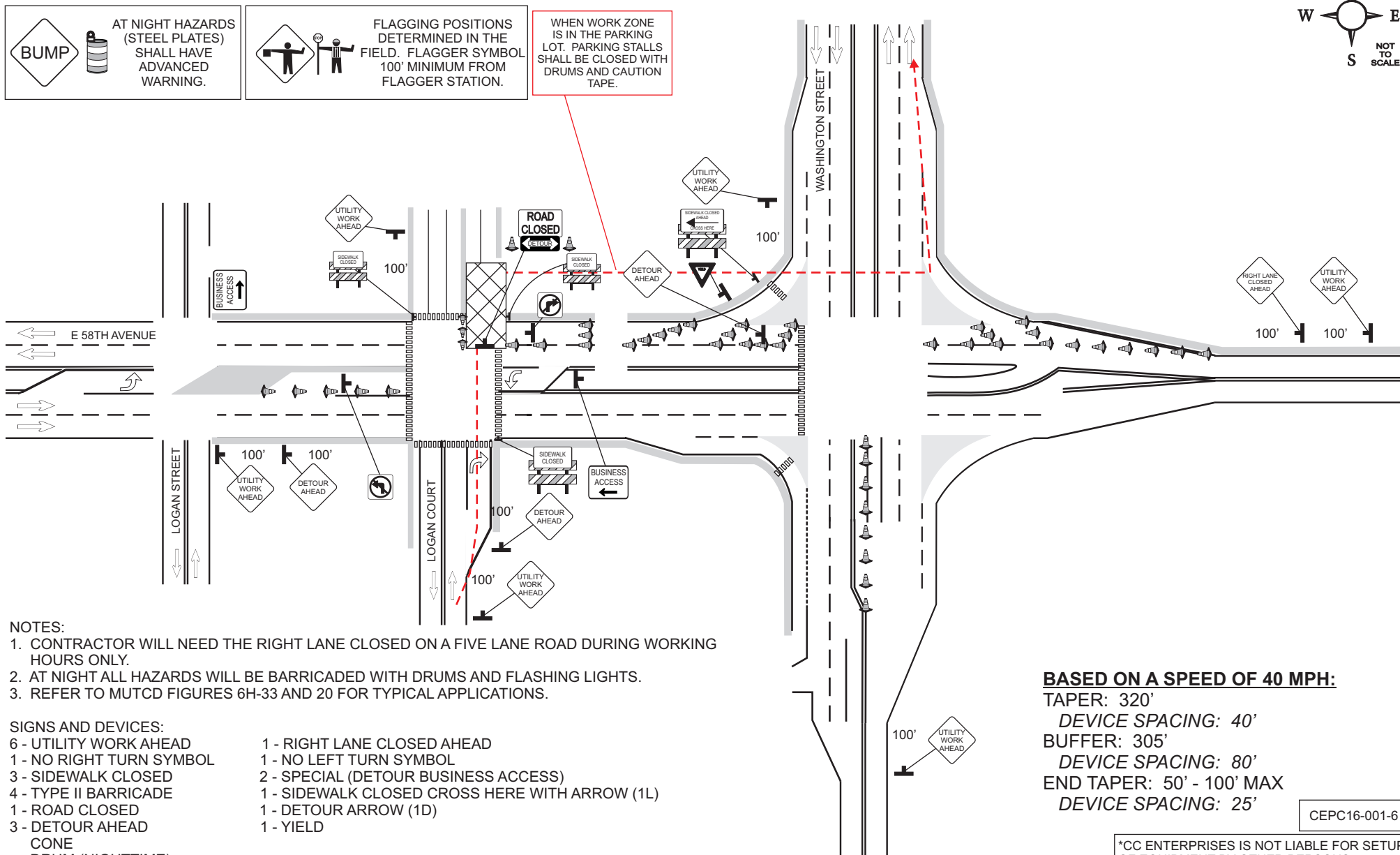
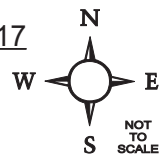
- TAPER: 320'
 DEVICE SPACING: 40'
 BUFFER: 305'
 DEVICE SPACING: 80'
 END TAPER: 50' - 100' MAX
 DEVICE SPACING: 25'

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
Contractor: CAMPOS EPC LLC.
Project: 24" NMR PIPELINE
Method of Handling Traffic: RIGHT LANE CLOSURE / ROAD CLOSURE

PREPARED BY: Jennifer Ealey 10/25/2016
 ATSSA TCS _____ DATE _____
 PHONE: 970-242-0669
 CERTIFICATION # 245588
 ISSUE DATE: 06/28/2013
 EXPIRATION DATE: 06/24/2017



BASED ON A SPEED OF 40 MPH:
 TAPER: 320'
 DEVICE SPACING: 40'
 BUFFER: 305'
 DEVICE SPACING: 80'
 END TAPER: 50' - 100' MAX
 DEVICE SPACING: 25'

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
Contractor: CAMPOS EPC LLC. MHT # 7
Project: 24" NMR PIPELINE
Method of Handling Traffic:

PREPARED BY:

Jennifer Ealey 10/25/2016

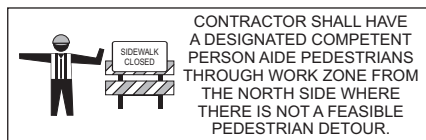
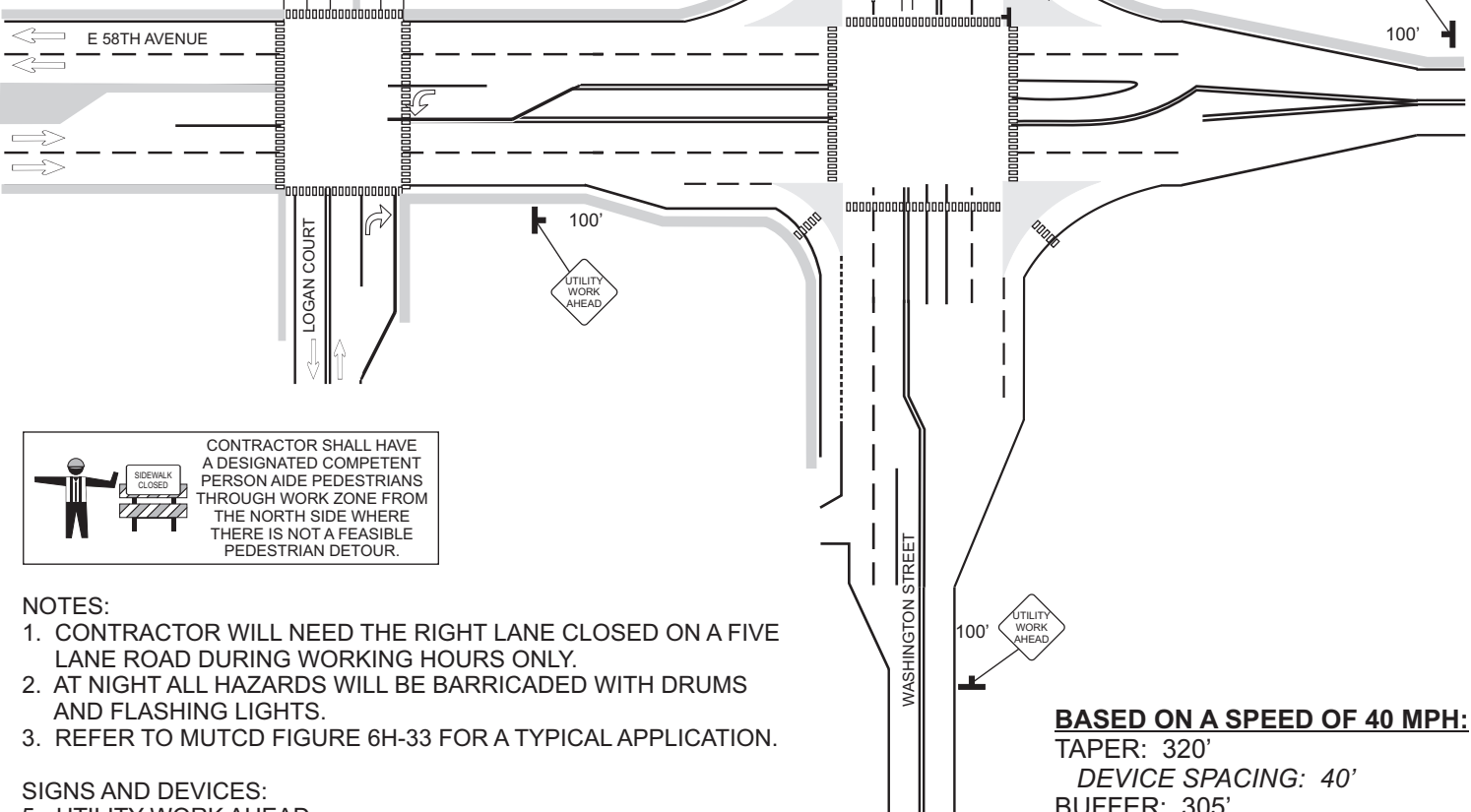
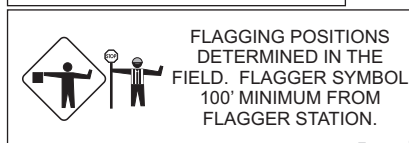
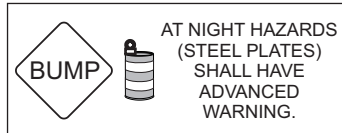
ATSSA TCS DATE

PHONE: 970-242-0669

CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

EXPIRATION DATE: 06/24/2017



NOTES:

1. CONTRACTOR WILL NEED THE RIGHT LANE CLOSED ON A FIVE LANE ROAD DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
3. REFER TO MUTCD FIGURE 6H-33 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- 5 - UTILITY WORK AHEAD
- 2 - RIGHT LANE CLOSED AHEAD
- 2 - TRANSITION SYMBOL (2R)
- 2 - SIDEWALK CLOSED
- 2 - TYPE II BARRICADE
- 1 - TYPE 3MA BARRICADE (OPTIONAL)
- 1 - TYPE C ARROWBOARD
- CONE
- DRUM (NIGHTTIME)

BASED ON A SPEED OF 40 MPH:

TAPER: 320'

DEVICE SPACING: 40'

BUFFER: 305'

DEVICE SPACING: 80'

END TAPER: 50' - 100' MAX

DEVICE SPACING: 25'

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
Contractor: CAMPOS EPC LLC. MHT # 8
Project: 24" NMR PIPELINE
Method of Handling Traffic: LEFT LANE CLOSURE

PREPARED BY:

Jennifer Ealey 10/25/2016

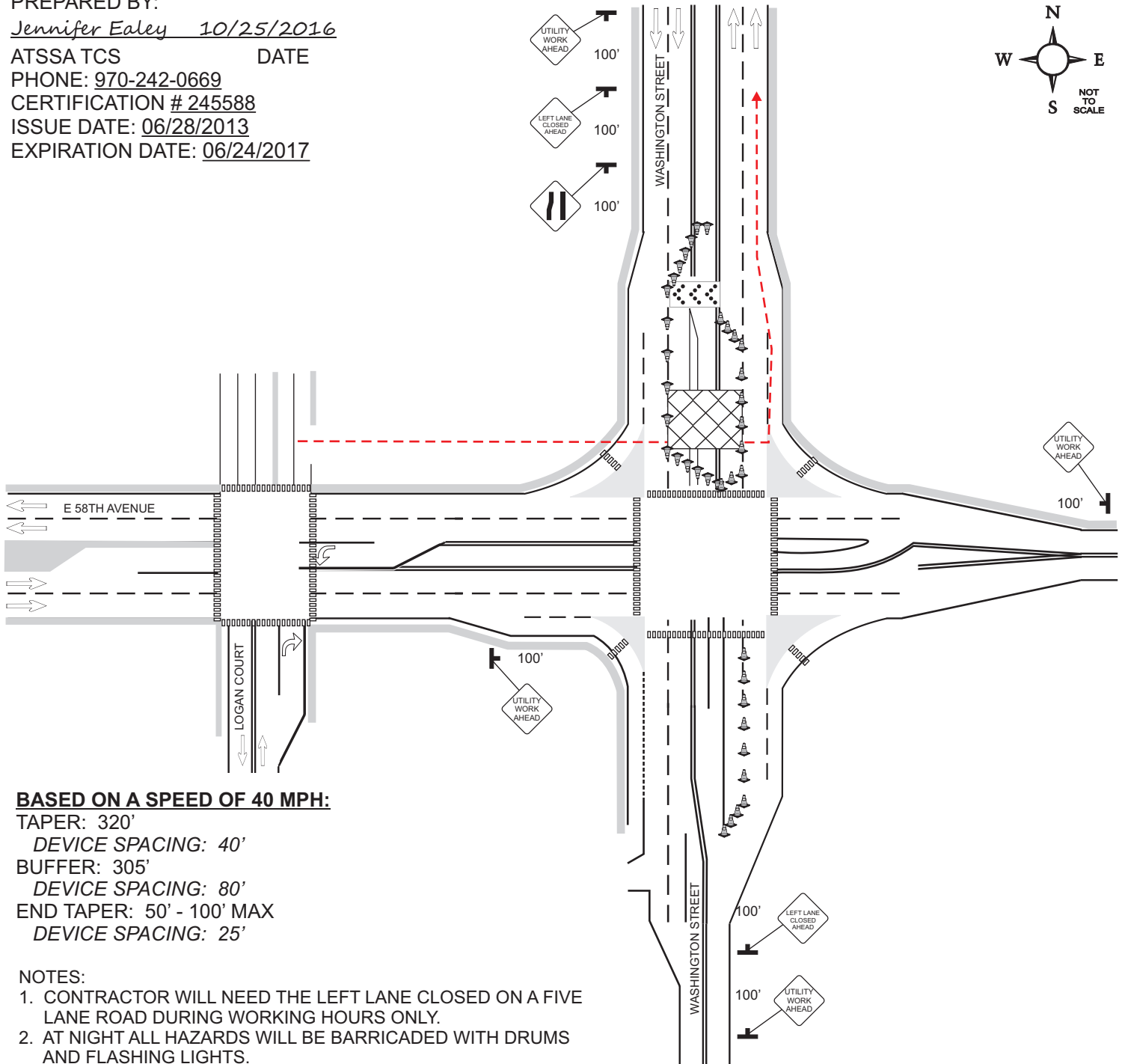
ATSSA TCS DATE

PHONE: 970-242-0669

CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

EXPIRATION DATE: 06/24/2017



BASED ON A SPEED OF 40 MPH:

TAPER: 320'

DEVICE SPACING: 40'

BUFFER: 305'

DEVICE SPACING: 80'

END TAPER: 50' - 100' MAX

DEVICE SPACING: 25'

NOTES:

1. CONTRACTOR WILL NEED THE LEFT LANE CLOSED ON A FIVE LANE ROAD DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
3. REFER TO MUTCD FIGURE 6H-33 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- 5 - UTILITY WORK AHEAD
- 3 - LEFT LANE CLOSED AHEAD
- 2 - TRANSITION SYMBOL (2L)
- 1 - TYPE C ARROWBOARD
- CONE
- DRUM (NIGHTTIME)

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CC ENTERPRISES - TRAFFIC CONTROL SPECIALISTS, INC
Contractor: CAMPOS EPC LLC. MHT # 9
Project: 24" NMR PIPELINE Y
Method of Handling Traffic: RIGHT LANE CLOSURE

PREPARED BY:

Jennifer Ealey 10/25/2016

ATSSA TCS DATE

PHONE: 970-242-0669

CERTIFICATION # 245588

ISSUE DATE: 06/28/2013

EXPIRATION DATE: 06/24/2017

BASED ON A SPEED OF 40 MPH:

TAPER: 320'

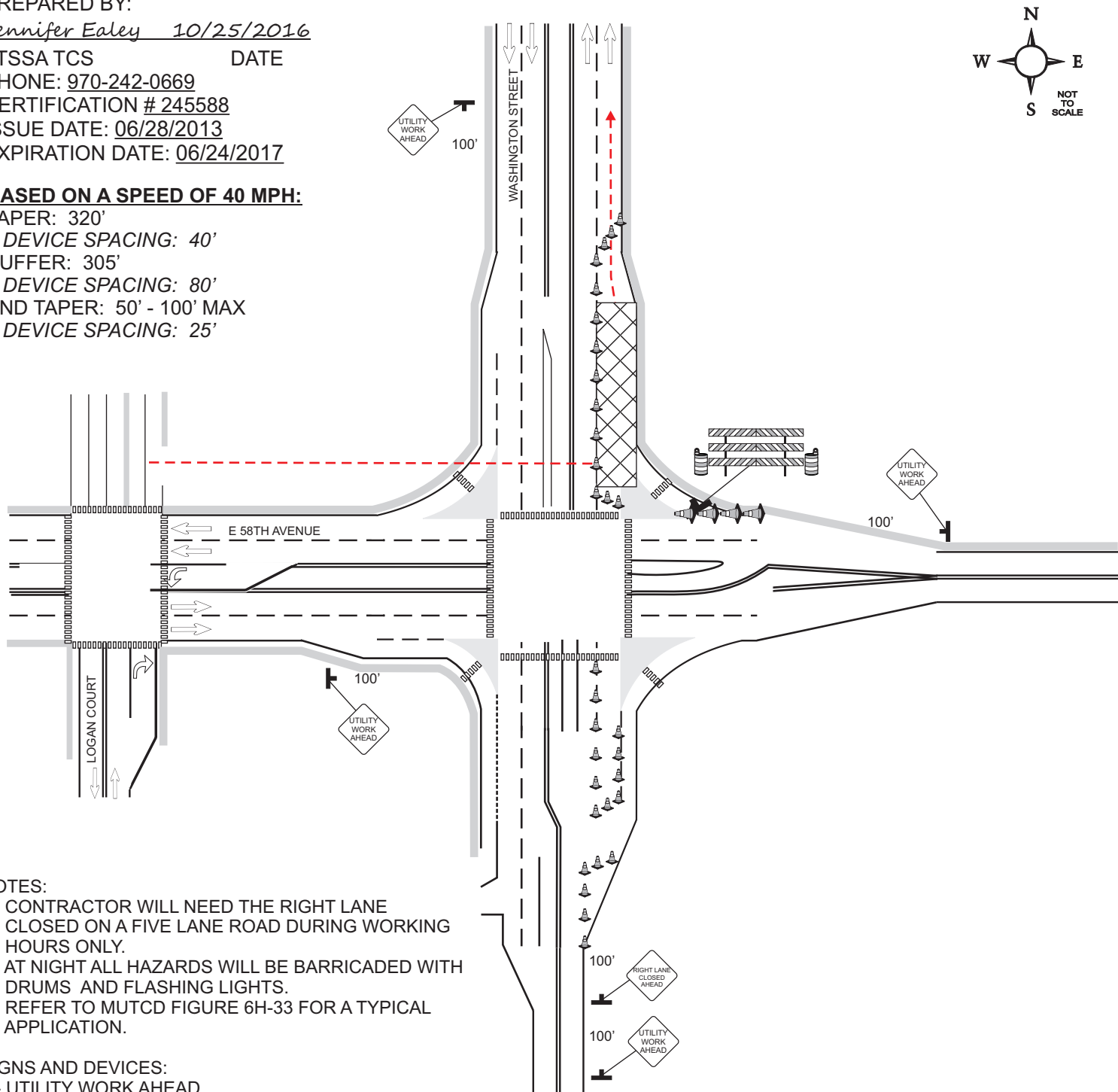
DEVICE SPACING: 40'

BUFFER: 305'

DEVICE SPACING: 80'

END TAPER: 50' - 100' MAX

DEVICE SPACING: 25'



NOTES:

1. CONTRACTOR WILL NEED THE RIGHT LANE CLOSED ON A FIVE LANE ROAD DURING WORKING HOURS ONLY.
2. AT NIGHT ALL HAZARDS WILL BE BARRICADED WITH DRUMS AND FLASHING LIGHTS.
3. REFER TO MUTCD FIGURE 6H-33 FOR A TYPICAL APPLICATION.

SIGNS AND DEVICES:

- 4 - UTILITY WORK AHEAD
- 1 - RIGHT LANE CLOSED AHEAD
- 1 - TYPE 3MA BARRICADE (OPTIONAL)
- CONE
- DRUM (NIGHTTIME)

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