

**CITY OF ENGLEWOOD  
COLORADO**

**TRAFFIC CONTROL DETAILS**

**Department of Public Works  
Engineering Division**

DRAWN BY: DJK  
REVISED BY: TRH  
APPROVED BY: MDA

NOT TO  
SCALE

DATE  
2/04/2020  
REVISED  
9/22/2020

TITLE

DETAIL NO.

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**CITY OF ENGLEWOOD**

1000 ENGLEWOOD PARKWAY  
ENGLEWOOD, CO 80110  
Phone: (303) 762-2500

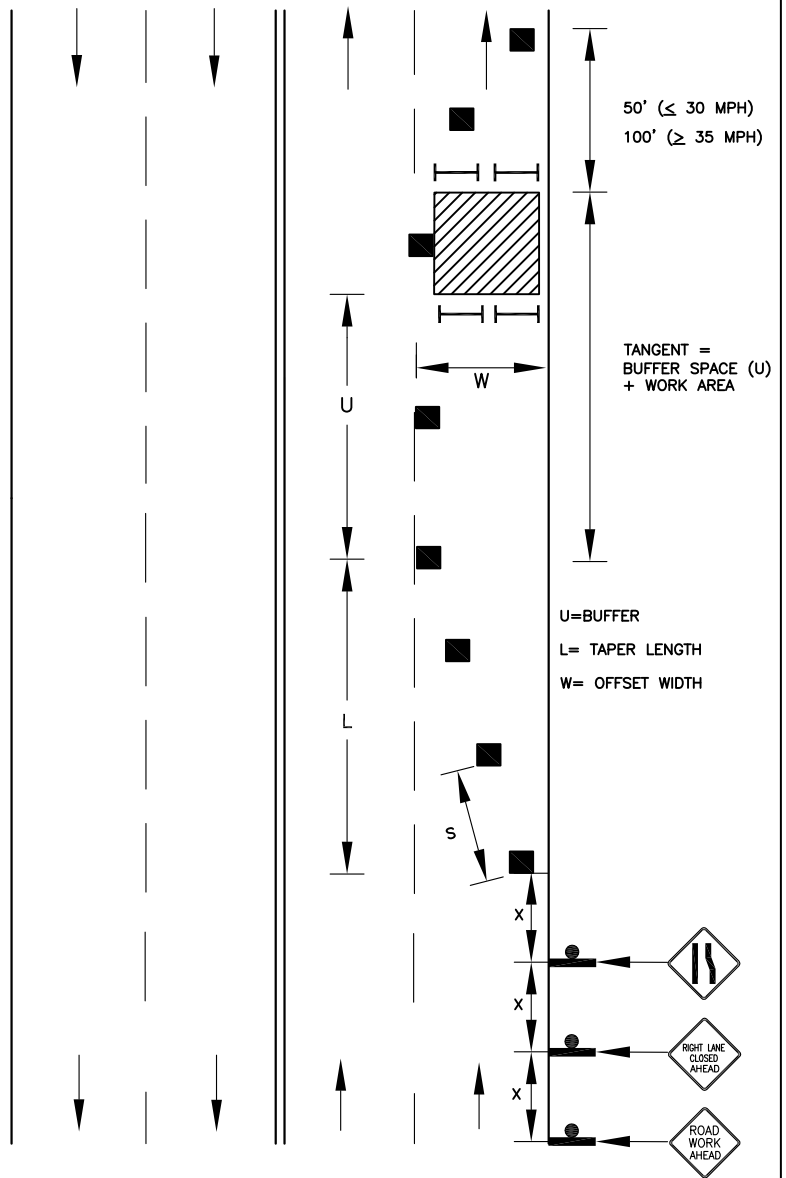
File Information

DEPARTMENT OF PUBLIC WORKS		DRAWN BY: DJK
Drawing File Name: TRAFFIC DETAILS.DWG		DATE: 02/2020
Acad Version: 2020	Scale: NA	Units: English

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**DETAIL NO. TC-0**

**GENERAL NOTES**

- T01 Any occupancy or construction activity on the Public Right-Of-Way (ROW) requires a permit and approved temporary traffic control plan (TTCP) from the Public Works Department. Call 303-762-2500 for further information.
- T02 All TTCPs shall be in conformance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- T03 Major changes to the approved TTCP shall be reviewed by the City prior to implementation.
- T04 The Traffic Control Supervisor (TCS) shall be present on site (or be available) at all times during the duration of the project.
- T05 Contractor shall inform Public Works of exact dates of lane or alley closures at least 24 hours prior to construction.
- T06 Lane closures may only be made between 9am and 3pm on arterial and major collectors. All lanes must be re-opened by 3 pm.
- T07 Local access shall be maintained during closures.
- T08 Work Zone Sign Spacing table provides minimum spacing distances. Increase distance as needed based on existing conditions.
- T09 Arrow boards are required for lane closures on arterial and collector city streets.
- T10 The minimum lane width allowed is 10 feet. Lane width is measured from edge of pavement and does not include the gutter/pan. City staff may require greater minimum lane width depending on existing conditions.
- T11 A Buffer Space may be placed in advance of the work zone to provide additional safety. A Buffer Space is recommended for high speeds, high volumes, and/or where sight distance is limited. A Buffer Space may be required by City staff based on engineering judgement.
- T12 Portable Changeable Message Signs (PCMS) may be placed in advance of the work zone signs to warn motorists of work operations. A PCMS may be required by City staff based on engineering judgement.
- T13 All pavement markings, including temporary markings, shall be retro-reflective per current industry standards.
- T14 All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, traffic control devices that are no longer appropriate shall be removed or covered.
- T15 When work zone operations impact a parking lane, no-parking signs shall be installed a minimum of 24 hours prior to beginning work.
- T16 When work operations impact a state highway, a CDOT permit will be required and is up to the contractor to obtain. CDOT's M&S standards will apply to work zones impacting state highways.
- T17 Working hours are 7 AM to 7 PM. Traffic control deployed during dark hours must comply with nighttime standards established in the MUTCD.



**EXAMPLE WORK ZONE DETAIL**

Work Zone Speed (mph)	COMMON TAPER LENGTHS (L)		
	Width of Offset (feet)		
25	105	115	125
30	150	165	180
35	205	225	245
40	270	295	320

Work Zone Speed (mph)	TAPER LENGTH (L)	
	Min. Length (feet)	
≤ 40	$L = W(S^2)/60$	
≥ 45	$L = WS$	

*W = width of offset in feet*

Work Zone Speed (mph)	BUFFER SPACE (U)	
	Min. Length (feet)	
25	155	
30	200	
35	250	
40	305	
45	360	

Work Zone Speed (mph)	CHANNELIZING DEVICE SPACING	
	Max. Spacing (feet)	
ALL	Taper	Tangent
	25	50

Min. number of devices = (length of devices / device spacing) + 1

Work Zone Speed (mph)	WORK ZONE SIGN SPACING (X)	
	Min. Spacing (feet)	
≤ 30	100	
35 - 40	350	
≥ 45	500	

**LEGEND**

- WORK ZONE SIGN
- WORK AREA
- CHANNELIZING DEVICE
- TYPE 3 BARRICADE
- DIRECTION OF TRAFFIC



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**GENERAL NOTES**  
**DETAIL NO. TC-1**

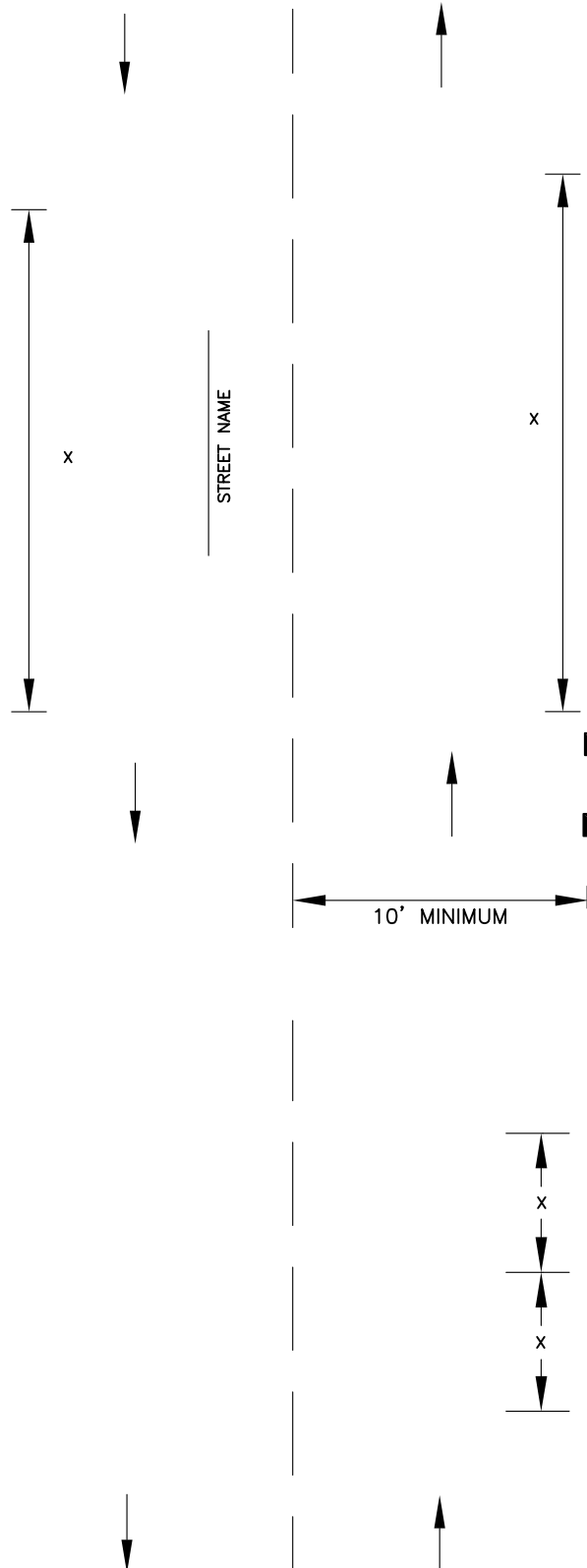


CROSS STREET NAME

DISTANCE FROM WORK AREA TO CROSS STREET = \_\_\_\_\_

END ROAD WORK (OPTIONAL)

STREET NAME



50' (≤ 30 MPH)  
100' (≥ 35 MPH)

10' MINIMUM

1/3 L

S





SHOULDER WORK (OPTIONAL ON LOCAL STREETS)



DISTANCE FROM WORK AREA TO CROSS STREET = \_\_\_\_\_

CROSS STREET NAME

LEGEND

-  WORK ZONE SIGN
-  WORK AREA
-  CHANNELIZING DEVICE
-  DIRECTION OF TRAFFIC

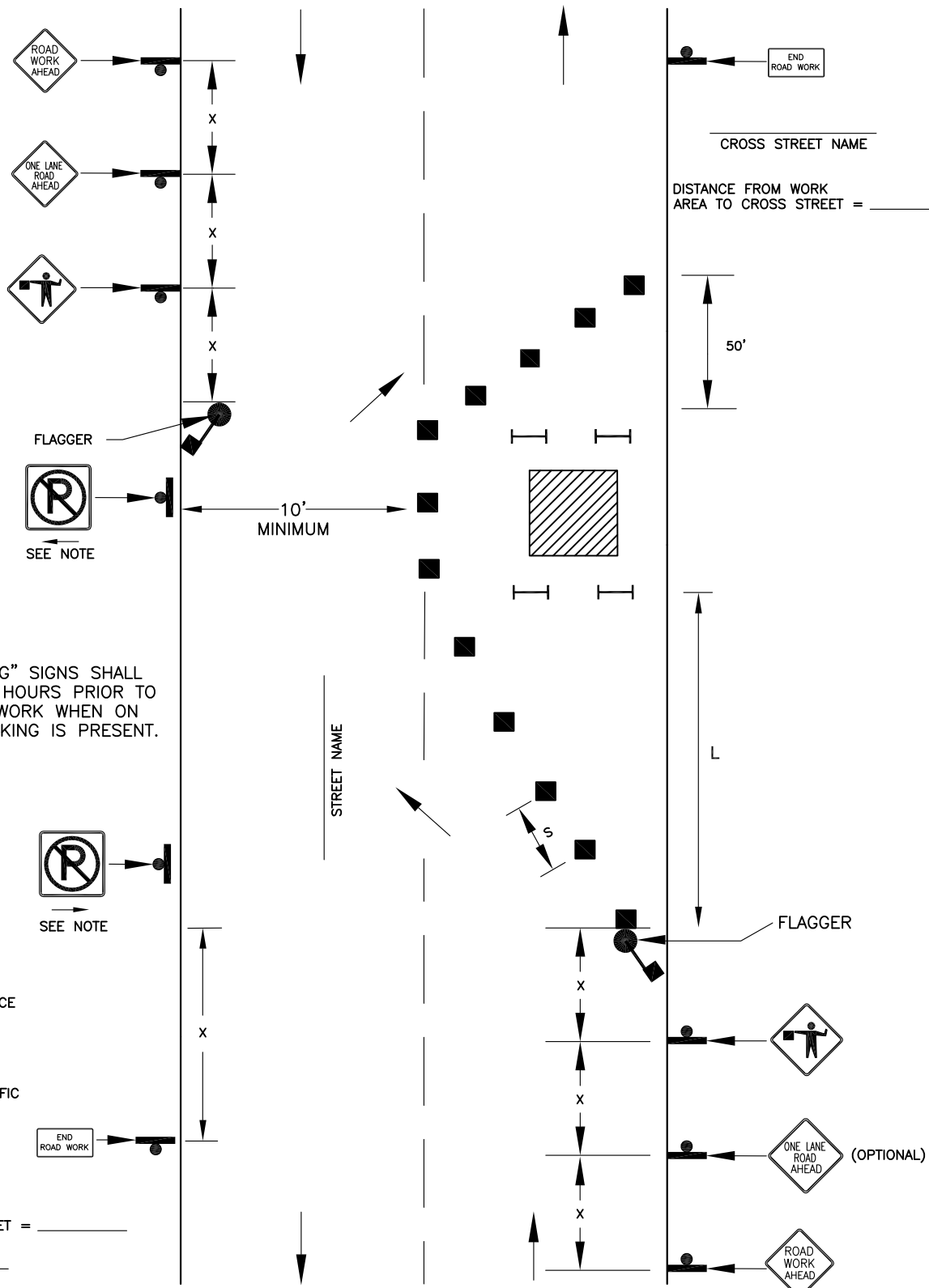
- NOTES:
1. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD AND CITY OF ENGLEWOOD STANDARDS.
  2. SEE GENERAL NOTES DETAIL NO. TC-1 FOR WORK ZONE LENGTHS + SPACING.



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
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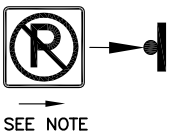
**WORK ON SHOULDER OR ON-STREET PARKING LANE**  
**DETAIL NO. TC-2**



**NOTE:**  
 "NO PARKING" SIGNS SHALL BE SET 24 HOURS PRIOR TO BEGINNING WORK WHEN ON STREET PARKING IS PRESENT.

**LEGEND**


-  WORK ZONE SIGN
-  WORK AREA
-  CHANNELIZING DEVICE
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC



DISTANCE FROM WORK AREA TO CROSS STREET = \_\_\_\_\_

CROSS STREET NAME \_\_\_\_\_

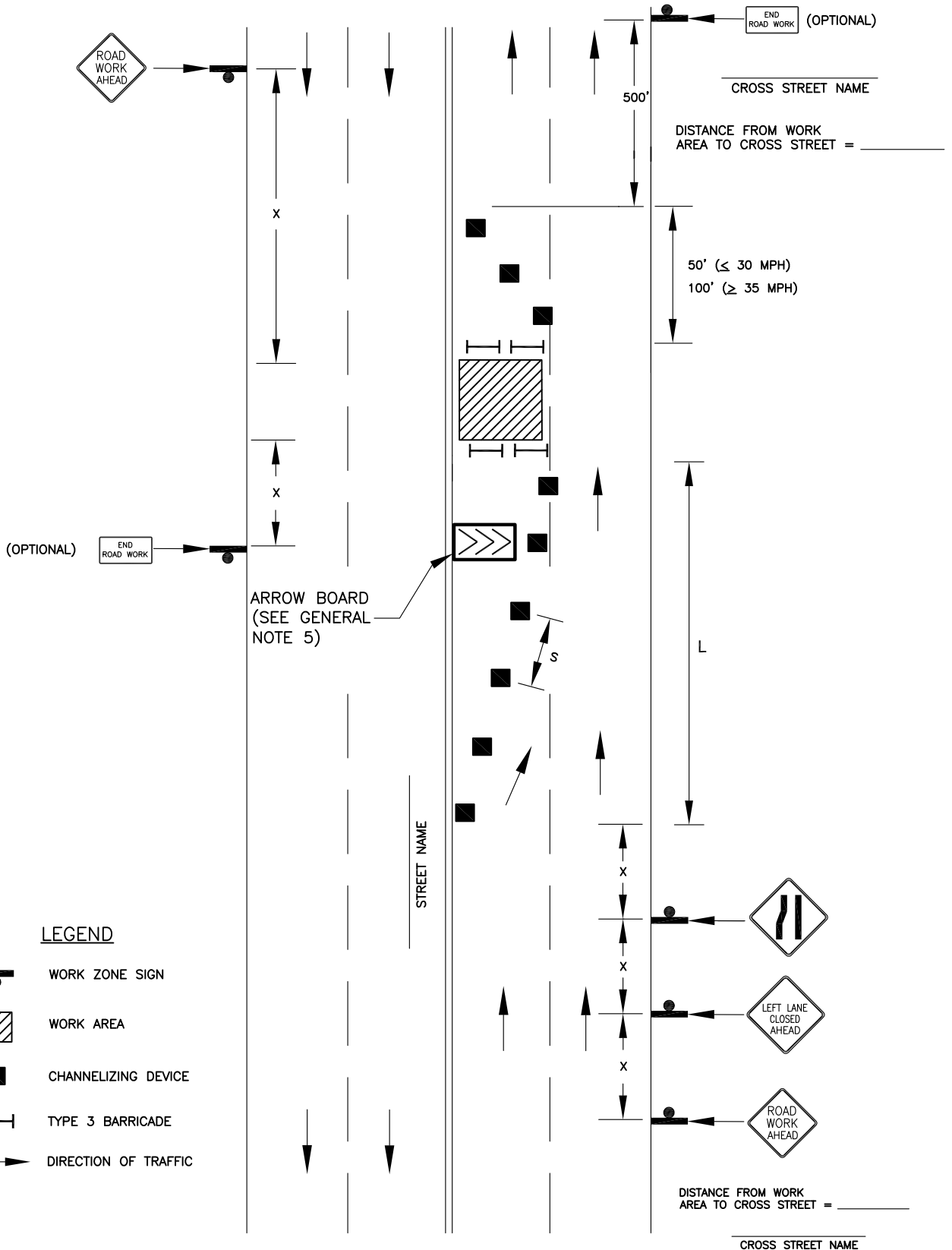
- NOTES:**
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  2. SEE GENERAL NOTES DETAIL NO. TC-1 FOR WORK ZONE LENGTHS + SPACING.



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**ONE-LANE, TWO-WAY  
 LANE CLOSURE  
 DETAIL NO. TC-3**



NOTES:  
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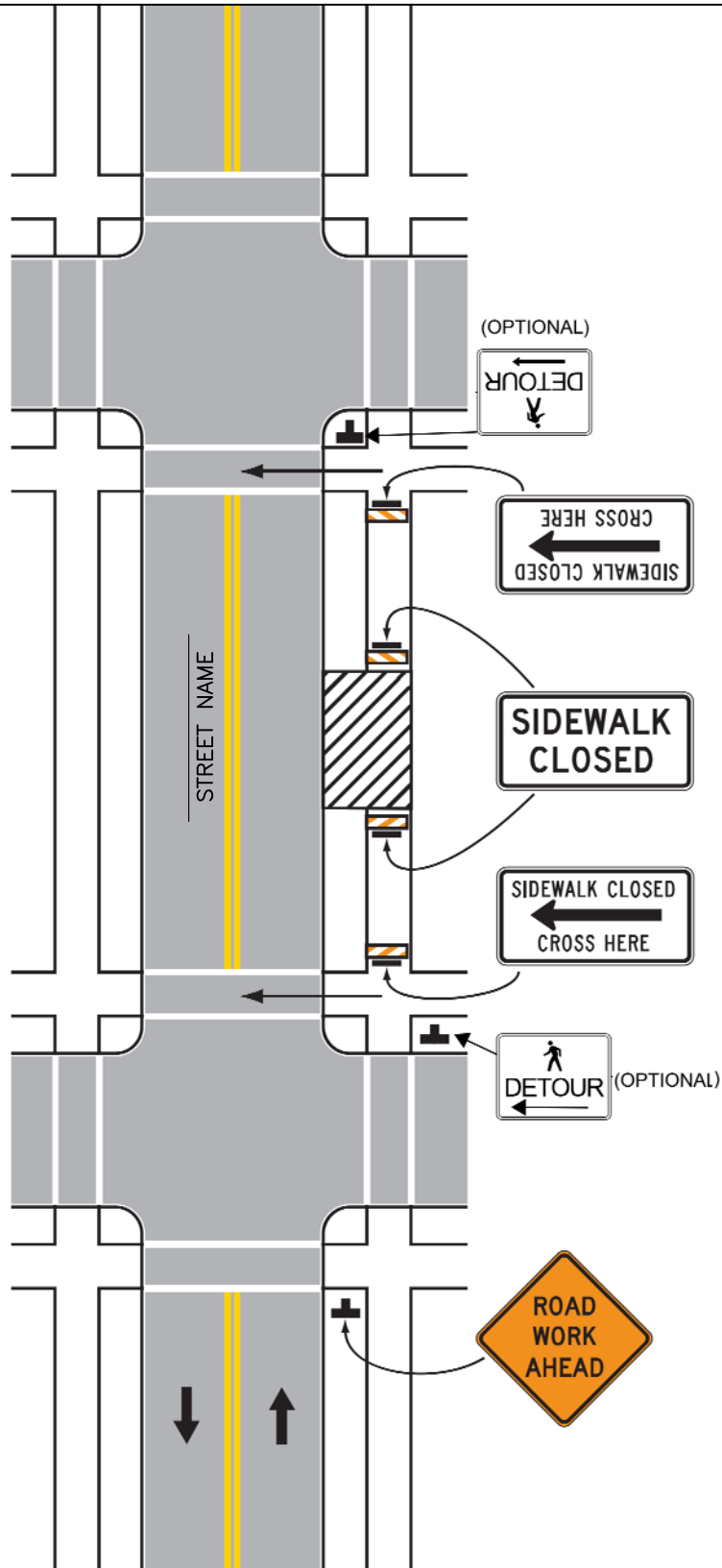
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**MULTILANE, INSIDE  
 LANE CLOSURE  
 DETAIL NO. TC-4**

CROSS STREET NAME

CROSS STREET NAME



### SIDEWALK DETOUR

- NOTES:
1. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD AND CITY OF ENGLEWOOD STANDARDS.
  2. PEDESTRIANS SHALL NOT BE DIRECTED PEDESTRIAN ACROSS A ROAD WITH MORE THAN 2 LANES WITHOUT AN EXISTING MARKED CROSSWALK.

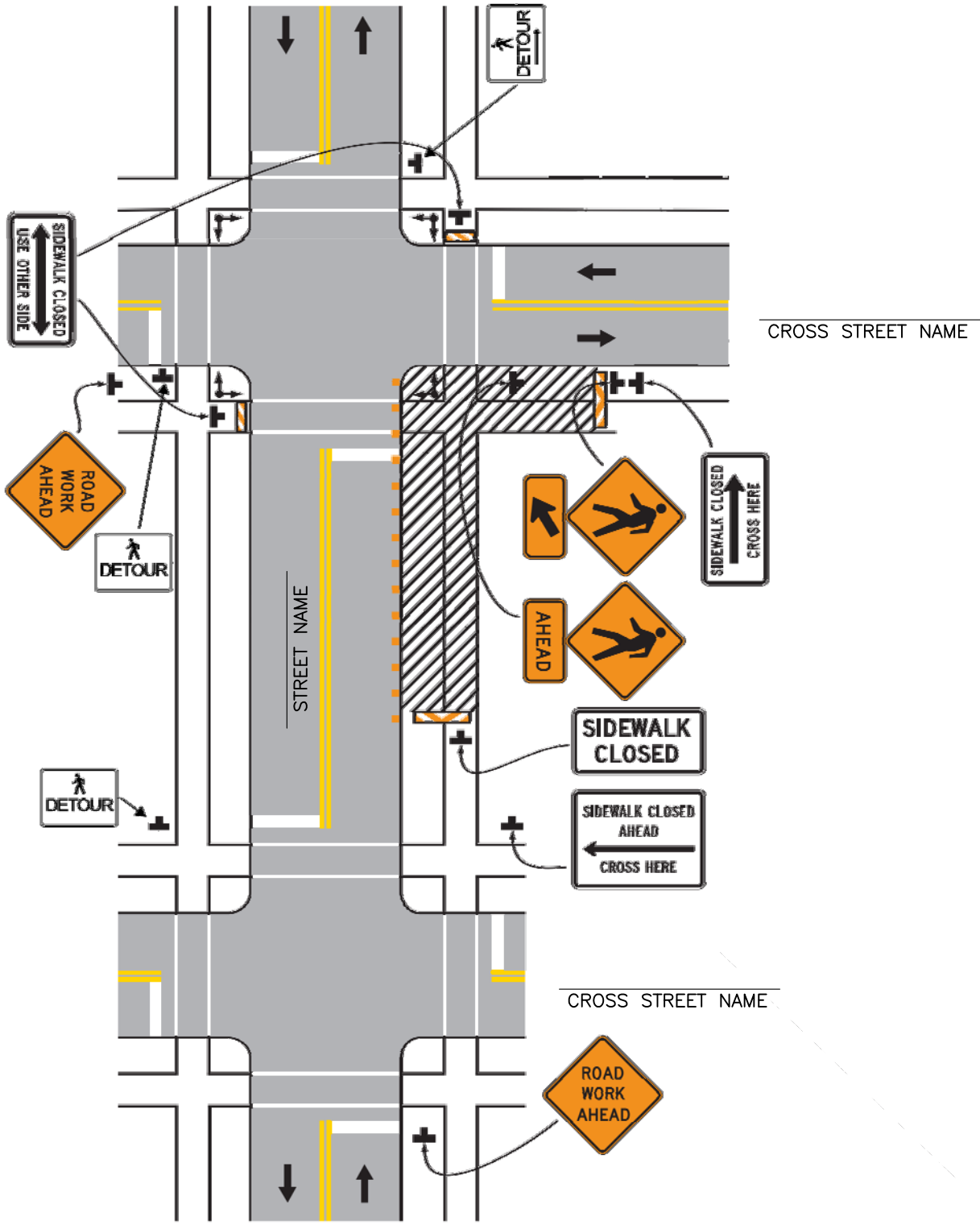
MUTCD 2009 FIG 6H-28



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**PEDESTRIAN DETOURS**  
**DETAIL NO. TC-5A**



**NOTES:**

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2. PEDESTRIANS SHALL NOT BE DIRECTED PEDESTRIAN ACROSS A ROAD WITH MORE THAN 2 LANES WITHOUT AN EXISTING MARKED CROSSWALK.

MUTCD 2009 FIG 6H-29

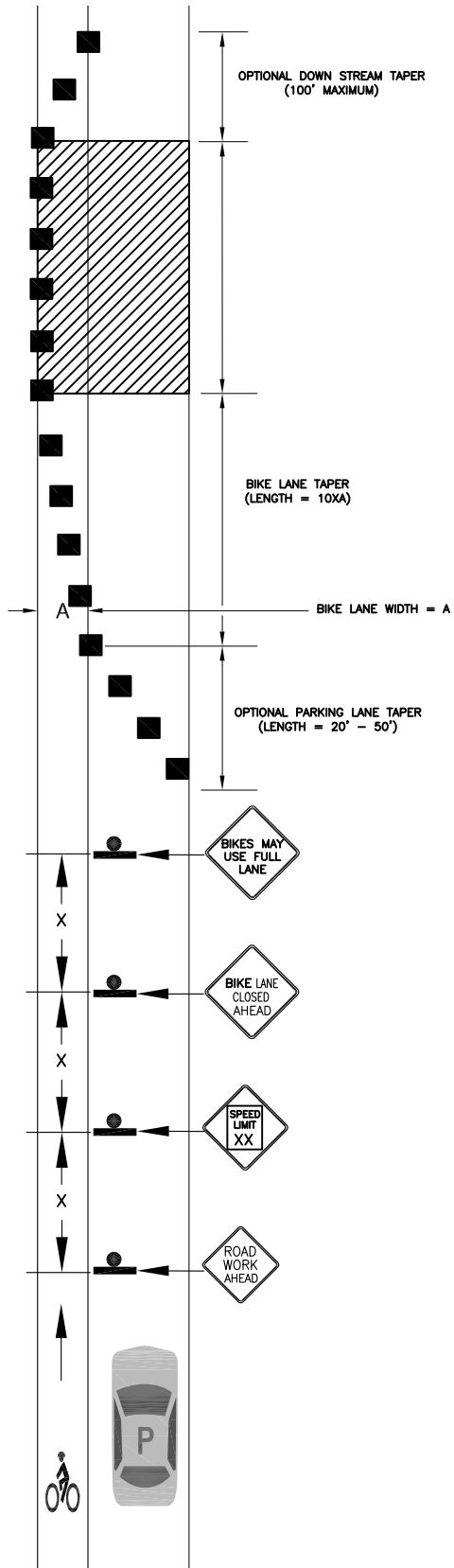






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**CROSSWALK CLOSURES AND  
 PEDESTRIAN DETOURS  
 DETAIL NO. TC-5B**





- LEGEND**
-  WORK ZONE SIGN
  -  WORK AREA
  -  CHANNELIZING DEVICE
  -  DIRECTION OF TRAFFIC

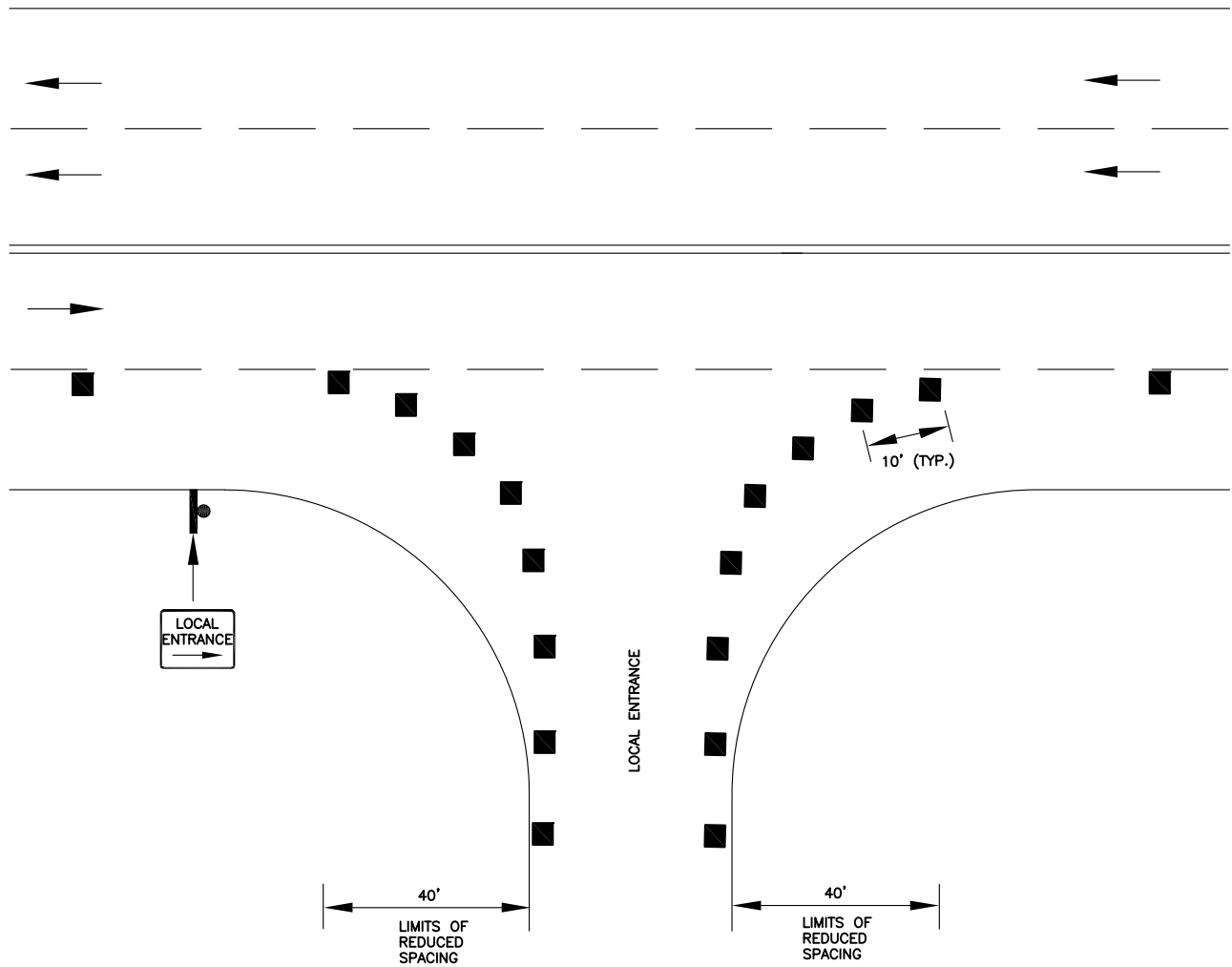
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 2. SEE GENERAL NOTES DETAIL NO. TC-1 FOR WORK ZONE LENGTHS + SPACING.








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**BIKE LANE CLOSURE  
 DETAIL NO. TC-6**



**LEGEND**

-  WORK ZONE SIGN
-  WORK AREA
-  CHANNELIZING DEVICE
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC

**NOTES:**

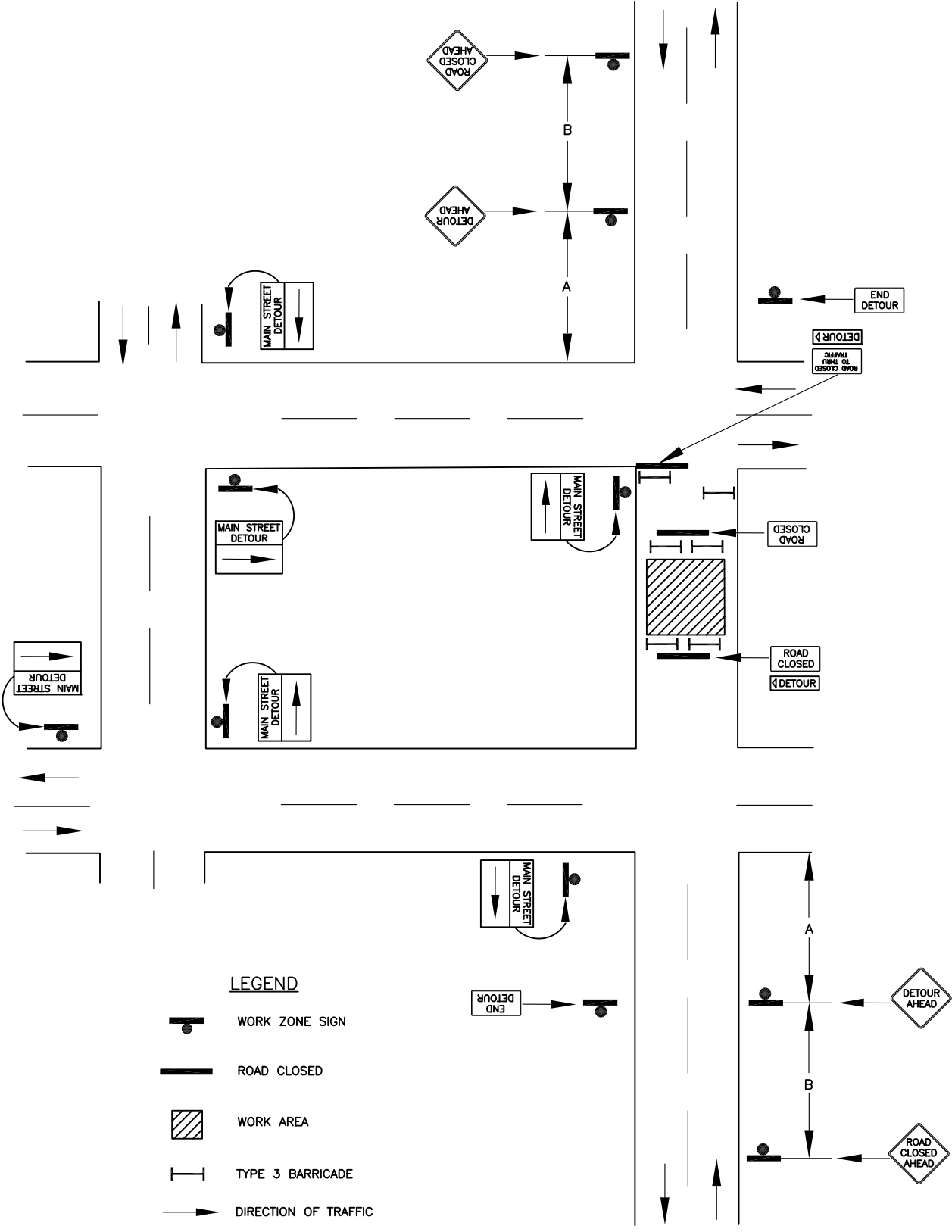
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2. SEE GENERAL NOTES DETAIL NO. TC-1 FOR WORK ZONE LENGTHS + SPACING.
3. USE THIS DETAIL WHEN WORK DISRUPTS A BUSINESS ENTRANCE FOR GREATER THAN ONE ENTIRE CALENDAR DAY.








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**LOCAL ENTRANCE  
 DETAIL NO. TC-7**



**LEGEND**

-  WORK ZONE SIGN
-  ROAD CLOSED
-  WORK AREA
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC

NOTES:  
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 2. SEE GENERAL NOTES DETAIL NO. TC-1 FOR WORK ZONE LENGTHS + SPACING.

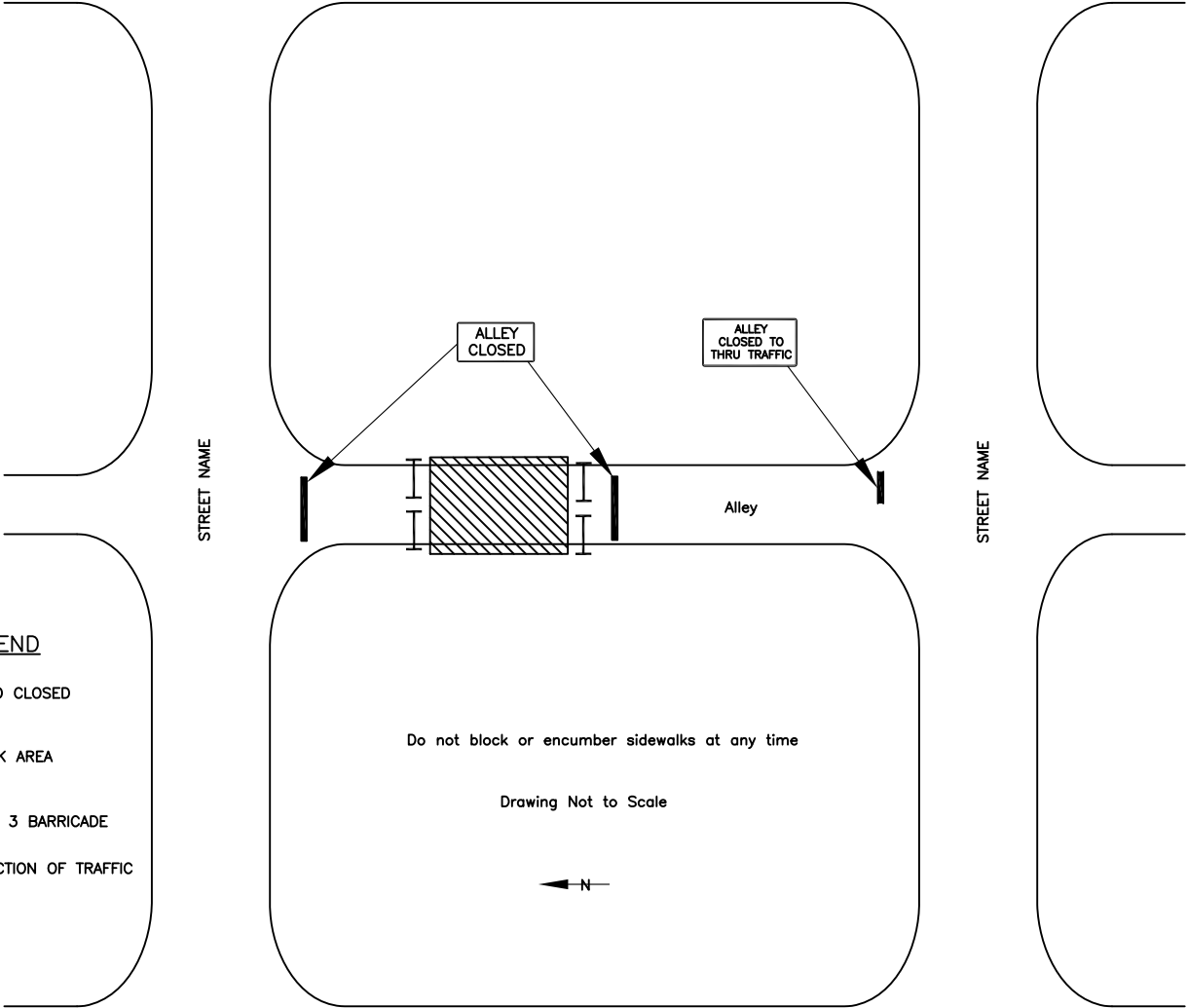


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**LOCAL STREET DETOUR**  
**DETAIL NO. TC-8**

STREET NAME



**LEGEND**

-  ROAD CLOSED
-  WORK AREA
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC

Do not block or encumber sidewalks at any time

Drawing Not to Scale



**NOTES:**

1. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD AND CITY OF ENGLEWOOD STANDARDS.
2. CONTRACTOR MUST RESOLVE ALL LOCAL ACCESS AND SAFETY ISSUES.
3. CONTRACTOR MUST GIVE NOTICE TO ALL LOCAL RESIDENTS AND BUSINESSES PRIOR TO ALLEY CLOSURE.

STREET NAME



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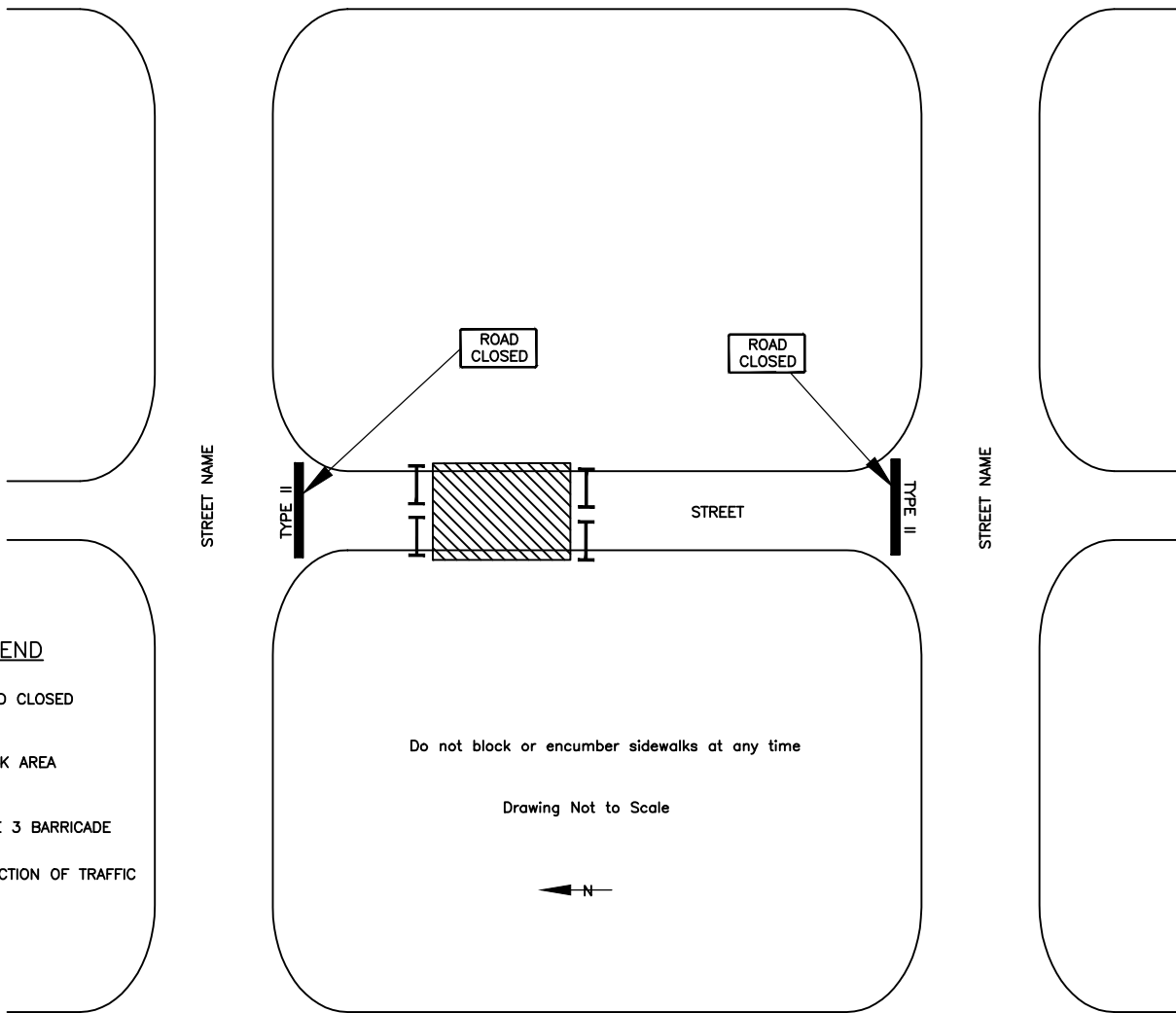
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**ALLEY CLOSURE**

**DETAIL NO. TC-9**

STREET NAME



**LEGEND**

-  ROAD CLOSED
-  WORK AREA
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC

Do not block or encumber sidewalks at any time

Drawing Not to Scale



**NOTES:**

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**BLOCK PARTY CLOSURE  
DETAIL NO. TC-10**