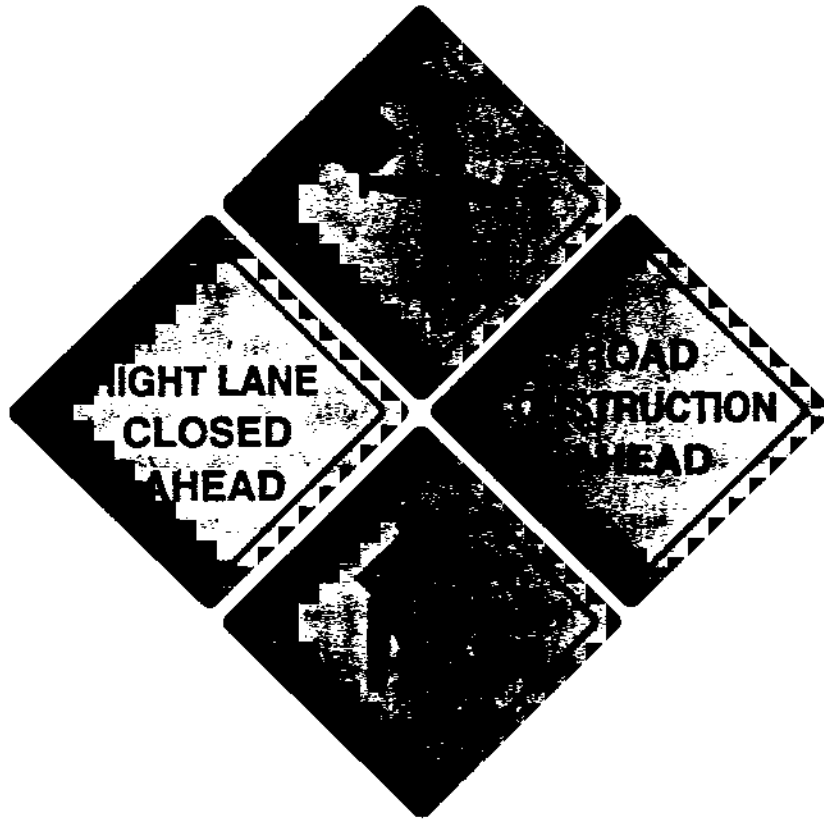


APPENDIX 7. WORK AREA PROTECTION AND TRAFFIC CONTROL MANUAL

This Appendix contains the entirety of the Work Area Protection and Traffic Control Manual referred to in the Initial Study for the Viejo System Project. The document is available for review from the California Public Utilities Commission or Southern California Edison.

Work Area Protection and Traffic Control Manual



California Joint Utility Traffic Control Committee



Southern California
Gas Company



An Enova Company



PACIFIC  BELL



An EDISON INTERNATIONAL Company



August, 1999

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ENDORSEMENTS

I have reviewed the Work Area Protection and Traffic Control Manual which meets and in some cases exceeds the basic standards per section 21400 of the California Vehicle Code.

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I have reviewed the Manual prepared by the California Joint Utility Traffic Control Committee and am pleased to endorse it.

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I have reviewed the Work Area Protection and Traffic Control Manual which meets and in some cases exceeds the basic standards per section 21400 of the California Vehicle Code.

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Introduction to the Third Edition

The Traffic Control Plans and associated text depicted in this Manual conform with the Federal Department of Transportation (D.O.T.), Chapter 5 of the State of California Manual of Traffic Controls.

adjacent to, a roadway to install and maintain such devices which are necessary to provide safe passage for the traveling public through the work area and for the safety of the workers.

This manual is coordinated and prepared by the California Joint Utility Traffic Control Committee and Forkert Engineering, a professionally licensed engineering firm. It provides the basic standards for the safe movement of traffic upon highways or streets in accordance with Section 21400 of the California Vehicle Code. Traffic control includes safe protection for the public, motorist, cyclist, pedestrian and worker. It is the responsibility of the contractor or organization performing work on , or

This text is not intended to establish or create a legal standard. The criteria for the position, location, manner of installation, and the use of such signs, lights and devices are furnished solely for the purpose of information and guidance. This manual will be updated as required to conform with the changes in the Federal D.O.T., and Caltrans. When working on State Highways in California, refer to the Caltrans handbook and use the existing encroachment permit processes.

California Joint Utility Traffic Control Committee;

John Beck.....PG&E
 Ray Delgado.....Pac Bell
 Bill Johnson.....SCE
 Parduman Marwah.....SCE
 Steve Patino.....Pac Bell
 Dick Powell.....AT&T

Reed Reisner.....Pac Bell
 Louis Renner.....PG&E
 Ron Scott.....SDG&E
 Larry Todd.....SCE
 Bruce Waltworth.....GTE
 Shawn Young..(cad dwgs).....Pac Bell

Public Utilities Code

Pacific Bell, General Telephone, and AT&T as telephone utilities, have been granted by the State the right to use public streets. This grant, known as the state franchise is found in Section 7901 of the California Public Utilities Code. Section 7901 provides that:

"Telegraph or telephone corporations may construct lines of telegraph or telephone lines along and upon any public road or highway, along or across any of the waters or lands within this State, and may erect poles, posts, piers, or abutments for supporting the insulators, wires, and other necessary fixtures of their lines, in such manner and at such points as not to incommode the public use of the road or highway or interrupt the navigation of the waters."

Cities and counties have granted Southern California Edison, as an electric utility, the right to use public streets. This grant, known as the city or county franchise is found in Section 6265 of the California Public Utilities Code. Section 6265 provides that:

"... and every electric franchise so granted confers upon the grantee thereof the right to use, or to construct and use, poles, wires or conduits and appurtenances for the purpose of transmitting and distributing electricity for all purposes, under, along, across, or upon the public streets, ways, alleys, and places as they now or hereafter exist within the municipality."

San Diego Gas & Electric and Pacific Gas & Electric Companies, as electric utilities and gas utilities have been granted by cities and counties the right to use public streets. This grant, known as the city or county franchise is found in Section 6265 of the California Public Utilities Code. Section 6265 provides that:

"Every gas franchise granted pursuant to this chapter confers upon the grantee the right to use, or to lay and use, gas pipes and appurtenances for the purpose of transmitting and distributing gas, every oil franchise so granted confers upon the grantee thereof the right to use, or lay and use, oil pipes and appurtenances for the purpose of transmitting and distributing oil or products thereof;

every industrial gas franchise so granted confers upon the grantee the right to use, or lay and use, industrial gas pipelines and appurtenances for the purpose of transmitting and distributing industrial gas;... and every electric franchise so granted confers upon the grantee thereof the right to use, or to construct and use, poles, wires or conduits and appurtenances for the purpose of transmitting and distributing electricity for all purposes, under, along, across, or upon the public streets, ways, alleys, and places as they now or hereafter exist within the municipality."

The cities and counties have granted Southern California Gas Company, as a gas utility, the right to use public streets. This grant, known as a city or county franchise, is found in Section 6265 of the California Public Utilities Code. Section 6265 provides that:

"Every gas franchise granted pursuant to this chapter confers upon the grantee the right to use, or to lay and use, gas pipes and appurtenances for the purpose of transmitting and distributing gas, every oil franchise so granted confers upon the grantee thereof the right to use, or lay and use, oil pipes and appurtenances for the purpose of transmitting and distributing oil or products thereof, every industrial gas franchise so granted confers upon the grantee the right to use, or lay and use, industrial gas pipelines and appurtenances for the purpose of transmitting and distributing industrial gas;...

The Department of Water and Power of the City of Los Angeles, as an electric and water public utility, owned and operated by a municipal corporation has been granted the right to use the public streets by Section 10101 of the California Public Utilities Code, which provides that;

"There is granted to every municipal corporation of the state the right to construct, operate and maintain water... pipes, mains and conduits, electric light and power lines..., all with the necessary appurtenances, across, along, in, under, over, or upon any road, street, alley, avenue, or highway".

Objectives

Provide:

1. Safety protection for the public, motorist, cyclist and pedestrian.
2. Safety protection for utility employees, their contractors and equipment.
3. Safe access for police, fire and rescue vehicles.
4. Guidelines for safe, effective work areas; and warn, control, protect and expedite vehicular and pedestrian traffic.
5. Traffic control guidelines provide for the basic principles that govern the design and usage of warning signs, lights and devices placed upon any public roadway or street.

Offers metric solutions to traffic control planning and set-up. All metric conversion charts meet or exceed the English equivalent.

Work Area Planning

Work should be planned in advance, to permit employees and equipment to safely move into position, accomplish the job in a safe and skillful manner and move out of the area as soon as possible upon completion.

Drivers must be able to see warning signs far enough in advance to slow their vehicles to a safe speed.

Where physical conditions are such that hills, curves, buildings, vegetation, etc., reduce or obscure driver view, additional precautions become necessary. Oncoming traffic should be alerted to potential hazards by the suitable use of signs, flaggers barricades, flags, flashers, or traffic cones, in any combination that will give adequate advance warning and that will channel traffic according to the predetermined plan.

Under conditions of severely restricted visibility, a second "Road Work Ahead" sign, spaced in accordance with the speed/distance table, is advised.

The employee in charge must review and advise the workers on how to set up, maintain and remove the traffic control devices.

In planning for the safety of all involved, consider the traveling public and remember:

1. They must be warned sufficiently in advance to allow time to think and react.
2. They must have time to regulate their speed, to allow them to pass through the guidance pattern with safety and ensure an even flow of traffic.
3. The need for decision making must be reduced to a minimum. This can be done with a planned guidance pattern.

A checklist of items to be considered in planning should include the following:

1. Estimated time required to complete the job in order to determine short-term or long-range operations.
2. Volume and speed of traffic.
3. Changes in traffic conditions during the job operation.
4. Local ordinances and permit requirements.
5. Set up shall always start with the advance warning sign and work back to the jobsite.
6. Use of the most effective traffic guidance pattern.
7. Determination of the number and types of safety devices, cones/delineators, signs, flags, flashers, barricades, flashing arrow signs, etc., required for the job.
8. Flaggers, while setting up protection and during the job operation, if required.
9. Effective utilization of utility vehicles for maximum protection.
10. When lanes are to be closed, place the lane

Warning and Construction Signs, Guards and Barriers

Sign sizing:

45 mph (70 Km/h) or greater = 48" (122cm) sign minimum.

40 mph (65 Km/h) or less = 36" (92cm) sign minimum.

- Approved warning signs, barricades, cones / delineators, guards, flags, flares, reflectors and lights at night, shall be installed and properly maintained wherever hazards exist due to moving or stationary vehicles, open excavations, construction and maintenance operations and similar work. Approved equipment and methods for work area protection are displayed in this manual.

- Warning equipment shall be placed so as to provide adequate notice to motorists, cyclists, or pedestrians that they are approaching an excavation, obstruction, or other hazard.

Warning signs shall be removed as soon as the excavation, obstruction, or other hazard is cleared.

Flaggers will be provided where approved signs or barricades do not provide adequate traffic control.

Leave the Work Area Orderly at End of Work Period

Before leaving a work area, it is necessary that approved warning devices be placed to protect motorists and pedestrians.

1. Ensure that the area is properly barricaded and that flashing lights, where required, are functioning satisfactorily.
2. Make sure that equipment is secured and that the work area is left orderly.

Night Operations

- In order to provide enhanced warning and safety during twilight and night operations, the following steps should be adhered to:

1. When the work area is to be illuminated by use of flood lights, the light placement shall be such that the light beams are not hazardous to oncoming traffic.
2. All warning signs and cones/delineators shall be illuminated or reflectorized.
3. Flashing or rotating amber lights on vehicles may be used when the vehicles are blocking established traffic lanes or for additional work area protection.
4. Flaggers must be illuminated, visible to approaching traffic, and wear approved reflectorized garments.

Note: Flares and red emergency reflectors are strictly for emergency situations and must not be used as substitutes for standard work area warning devices. Flares shall not be used in combustible or high fire areas.

Channelizing Devices

- Channelizing devices are elements in a total system of traffic control devices for use in construction and maintenance operations. These elements shall be preceded by a subsystem of warning devices that are adequate in size, number and placement for the type of roadway on which the work is to take place.

Approved channelizing devices shall be used the following purposes:

1. To channel and divert traffic in advance of work zones.
2. To define traffic lanes through the work zone.
3. To define a change in the position of the lanes around the work zones.
4. To define curves and the edges of the roadway on detours.
5. To separate opposing lanes of traffic.

Correctly positioned cones/delineators provide an excellent guidance path. Improperly positioned cones/delineators only confuse drivers. Spacing of cones/delineators and length of taper with respect to oncoming traffic, shall be in accordance with the following tables.

Table 1: English

SPEED LIMIT (mph)	SPACING (feet)
25 or less	10 or less
Over 25	Posted speed limit or less

Example: Posted Speed Limit of 45 mph. Spacing not to exceed 45 feet

Table 2: Metric

SPEED LIMIT (K/m/h)	SPACING (Meters)
40 km/h or less	3 or less
Over 40	Posted speed limit or less

Example: Posted Speed Limit of 70 Km/h. Spacing not to exceed 13.7 meters.

Table 3: English

Approach Speed mph	Taper Length L Feet	Number of Cones/Delineators for Taper*	Max. Spacing of Cones/Delineators Along Taper Feet
25 or less	128	6	25
30	200	7	30
35	288	8	35
40	338	9	40
45	560	13	45
50	640	13	50
55	720	20	50
55+	1000	20	50

*Based on 12-foot wide lane. This column is also appropriate for lane widths less than 12 feet.

Table 4: Metric

Approach Speed (km/h)	Taper Length L Meters	Number of Cones/Delineators for Taper*	Max. Spacing of Cones/Delineators Along Taper Meters
40 or less	40	6	8
50	60	7	9
60	90	8	11
65	100	9	12
70	170	13	14
80	195	13	15
85	220	20	15
85+	305	20	15

*Based on 3.7 meter wide lane. This column is also appropriate for lane widths less than 3.7 meters.

Spacing of cones/delineators, to define the work area shall never exceed ten feet. (3 meters) Any number of cones/delineators may be used as long as they do not confuse oncoming drivers.

Use of Flaggers

The proper use of flaggers, where circumstances warrant, will not only provide for vehicular traffic, but will also provide protection for employees working in the immediate area to divert the normal flow of traffic.

Flaggers are required as follows:

1. At all locations where warning and control devices cannot adequately control the moving traffic.
2. Where the job requires the use of one lane for two directions of traffic. (One flagger is required for each direction of traffic.)
3. More information at:
<http://www.dot.ca.gov/hq/construc/flagging.html>

Placement and equipment requirements:

1. Flaggers shall be logically placed in relation to the equipment or operation so as to give adequate warning, and shall be stationed approximately 100 feet (30.5m) ahead of the possible impact point.
2. Flaggers shall wear approved warning garments. Reflectorized vests shall be used when flagging at night and the flaggers must be illuminated and visible to approaching traffic.
3. The warning sign, 0-9 or C-9a, "Flagman Ahead" shall be placed ahead of the flagger. The distance between the sign and the flagger should be based on the average traffic speed allowing approximately 100 feet (30.5m) for each ten miles per hour.
4. Flaggers shall be trained in the proper fundamentals of flagging traffic before being assigned as a flagger.
5. Radios or other positive communications shall be used by flaggers who are not in visual contact with each other.
6. Flagging procedures and all signs and equipment comply with the Federal D.O.T., State of California Manual of Traffic Controls for Construction and Maintenance Work Zones.

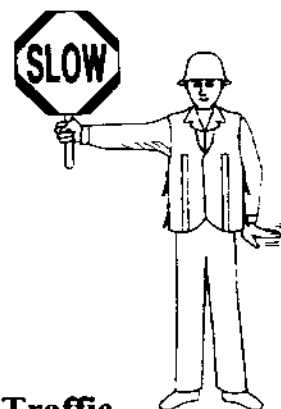
Flagging Procedures for Traffic Control

Flagging procedures for traffic control shall be in accordance with the following illustrations. Where flaggers are required, the Stop/Slow paddle shall be used.



To Stop Traffic

Hold the STOP paddle in a stationary position with the arm extended horizontally away from the body. The free arm should be raised with palm facing approaching traffic.



To Alert or Slow Traffic

Hold the SLOW paddle in a stationary position with the arm extended horizontally away from the body. The free arm should be raised and lowered slowly with the palm down.



To Direct Traffic to proceed

Hold SLOW paddle at arm's length and motion with the free hand for traffic to proceed.

Pedestrian Traffic

When the work area encroaches upon a sidewalk, walkway, or crosswalk area, adequate protection for the safety of pedestrians must be provided.

1. Barricades and cones/delineators may be used advantageously in defining pedestrian walkways.
2. Protect against any condition which would create a tripping, falling or slipping hazard.
3. When overhead work is being performed, pedestrian passage area below must be rerouted or protected.
4. A minimum walkway width of 48" (122cm) must be maintained at all times for safe passage through the work area.

Bicycle Traffic

1. Whenever possible, maintain bicycle lanes.
2. Provide bicycle warning signs where appropriate.

Special Considerations

1. Where physical conditions are such that hills, curves, buildings, vegetation, etc., reduce or obscure driver view, additional precautions become necessary. Oncoming traffic should be alerted to potential hazards by the suitable use of signs, flaggers, barricades, flags, flashers, or traffic cones.
2. Whenever possible, maintain ingress and egress for private property.

3. In cases of vital services such as hospitals, police stations, fire stations, ingress and egress shall be maintained at all times.
4. Closely spaced intersections also require special consideration for sign and delineator spacing (refer to drawings 6, 7, 10, and 11). Plan view drawings may be used individually or in combination.

Barricades

The function of barricades is to separate the motorist from objects or unusual situations created by construction or maintenance activities in or near the traveled way. Barricades should not be used to guide motorists through the transition or work zones.

The barricade would not be used where a collision with the barricade would be more severe than a collision with the object being separated. At such locations, cones/delineators, or other less rigid devices should be used.¹

Barricade design:

Barricades for vehicular traffic shall be of three types: Type I, Type II and Type III.

Markings for barricade rails shall be alternate orange and white stripes sloping downward at an angle of 45 degrees. The entire area of orange and white shall be effectively reflectorized. The predominant color for other barricade components shall be white.

¹ On 8/28/98 the FHWA concurred with an agreement proposed by a task force of the AASHTO to delay implementation of certain safety hardware, including many work zone traffic control devices and barriers. The compliance dates for purchase of new work zone devices that meet NCHRP Report 350 test and evaluation criteria are;

Category I devices, 10/1/1998

Category II devices, 10/1/2000

Category III devices (attenuators), 10/1/1998

Category III devices (temporary barriers), New units must have tensile and moment resistance after 10/1/2000

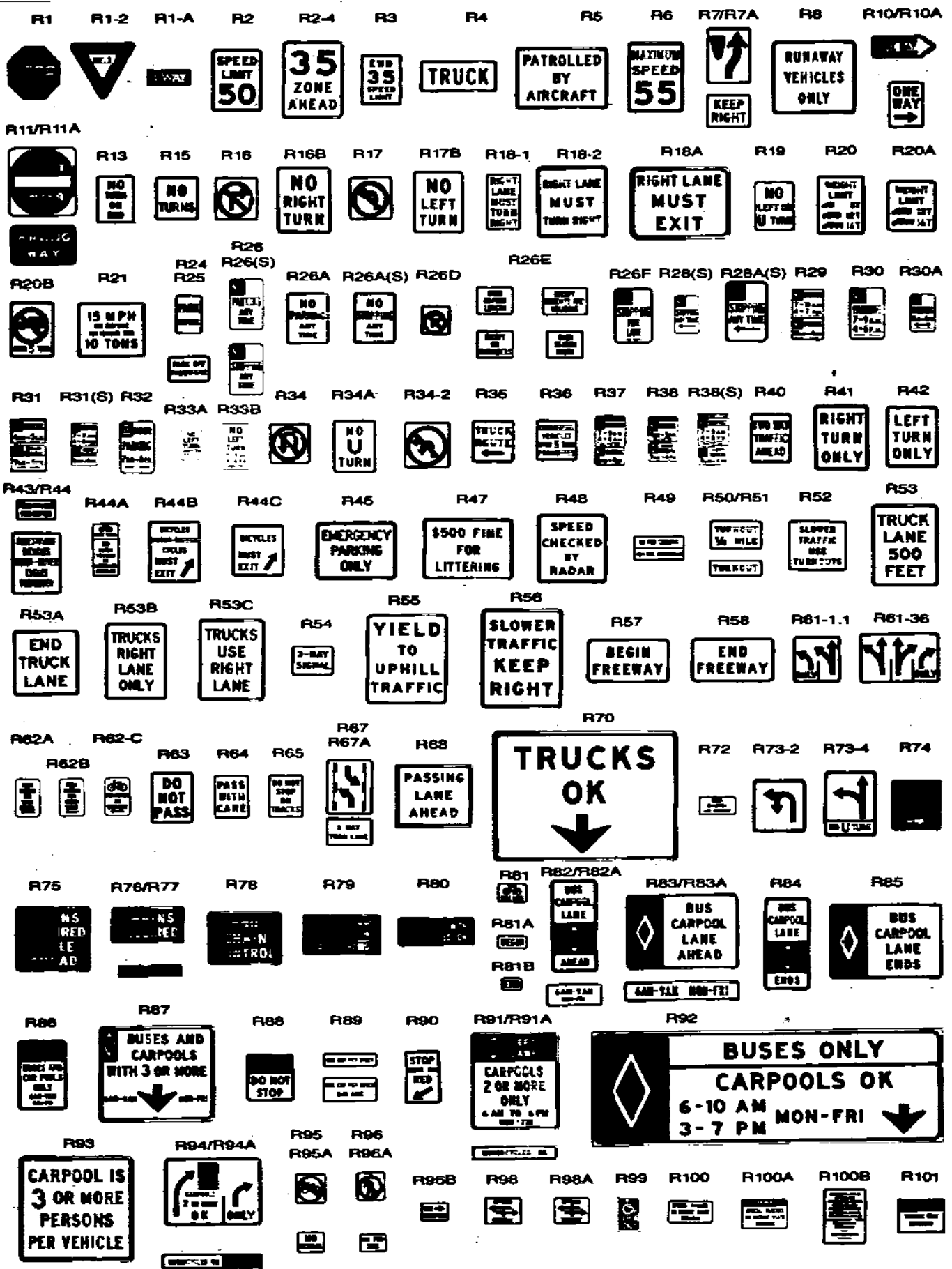
Flashing Arrow Signs (FAS)**Table 5: English**

Type	Min. Size	Min Number of Panel Lamps	Min Legibility Distance
A	24" x 48"	12	1/2 mile
II	36" x 72"	13	3/4 mile
I	48" x 96"	15	1 mile

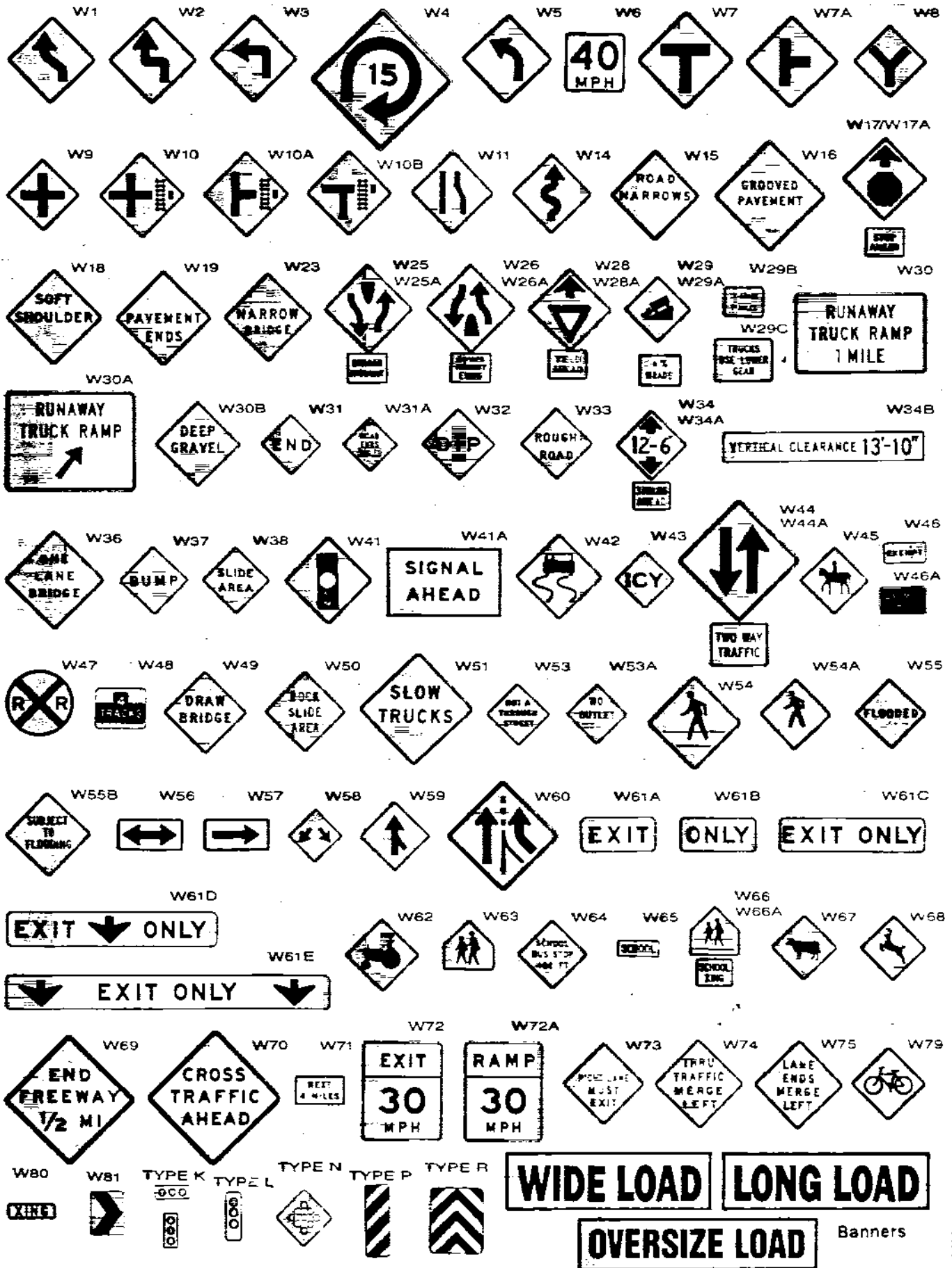
Table 6: Metric

Type	Min. Size cm	Min Number of Panel Lamps	Min Legibility Distance Km
A	61 x 122	12	.80
II	92 x 183	13	1.21
I	122 x 244	15	1.61

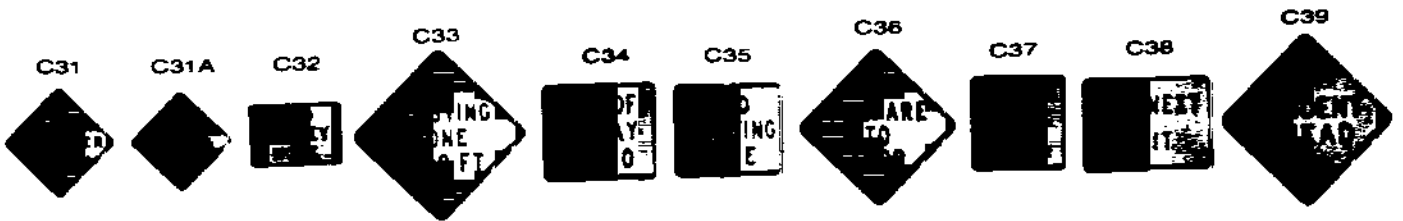
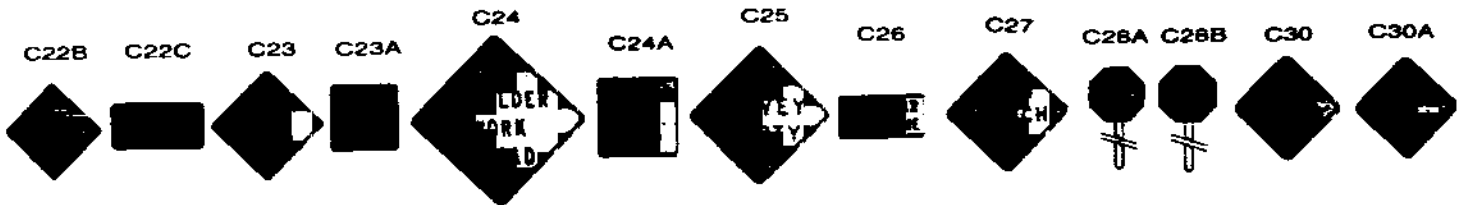
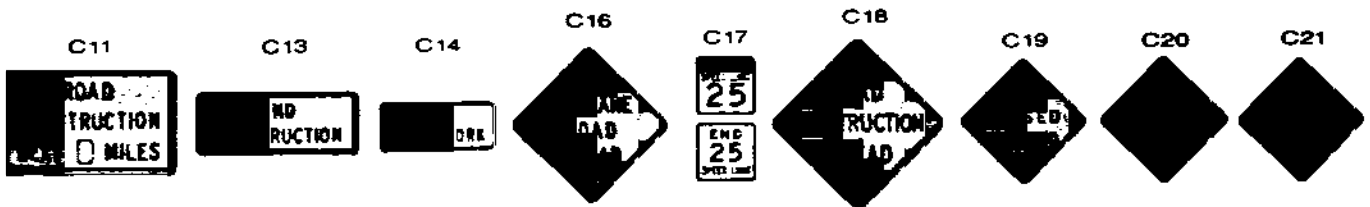
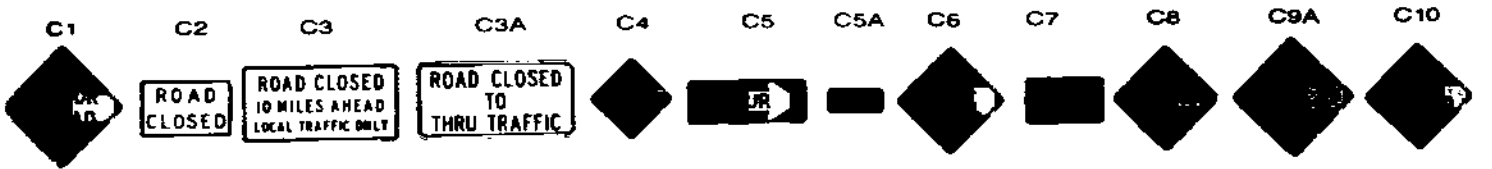
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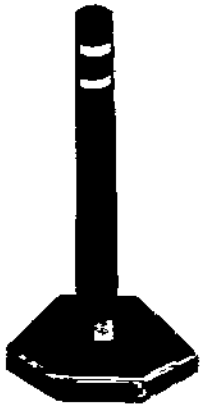
Warning Signs



Construction Signs

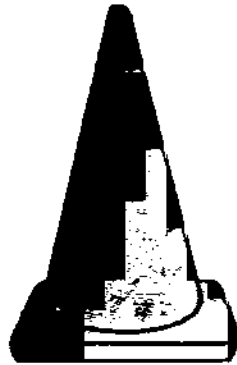


ACCEPTABLE CHANNELIZATION DEVICES



**PORTABLE
DELINEATOR**

24" MINIMUM HEIGHT
61 cm

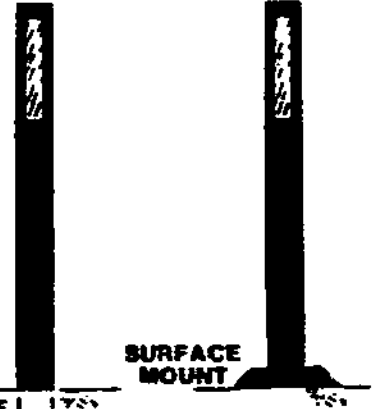


TRAFFIC CONE

24" MINIMUM HEIGHT
61 cm



Reflective
Cone
Sleeve



BELOW SURFACE
ANCHOR

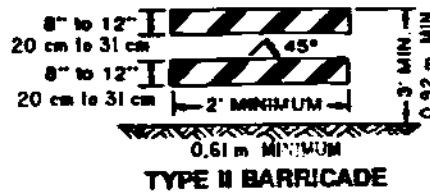
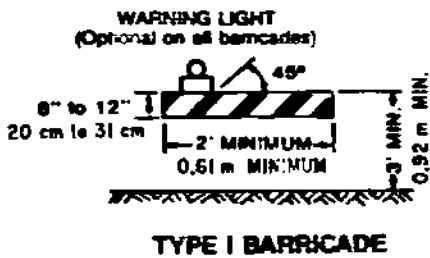
SURFACE
MOUNT

PERMANENT TYPE CHANNELIZER

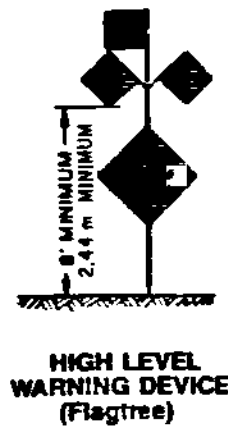
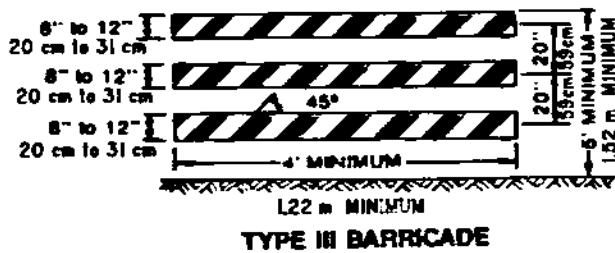
24" MINIMUM HEIGHT
61 cm

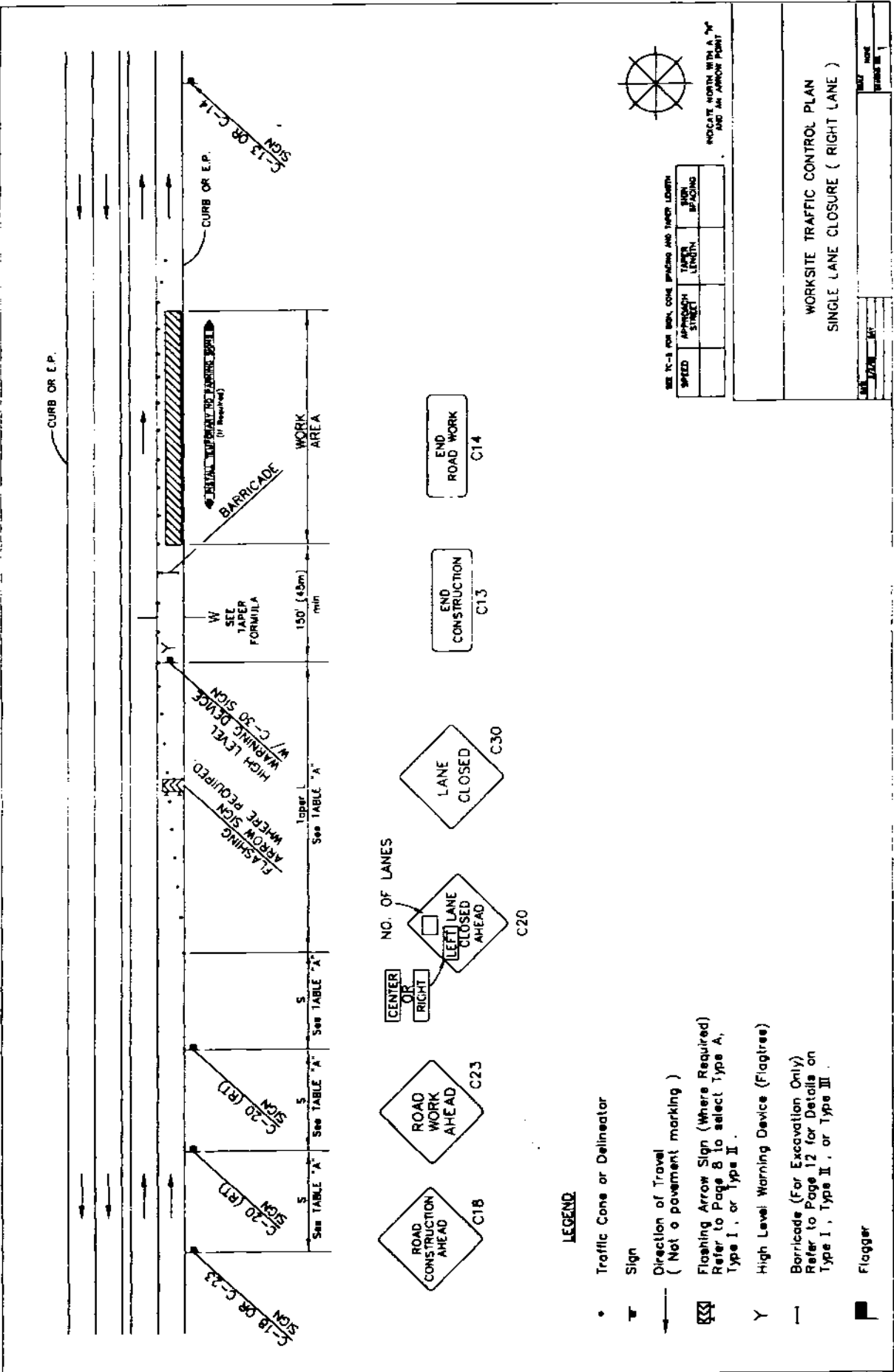
NOTE: REFLECTORIZED MATERIAL FOR THE ABOVE DEVICES SHALL BE WHITE

TYPICAL BARRICADES



Note: Barricades shall have a minimum of 1742 cm² or 270 square inches of retroreflective area facing traffic when used on freeways, expressways, and other high speed highways.





SEE TABLE FOR SIGN CONE SPACING AND TAPER LENGTHS

SPEED	APPROACH STREET	TAPER LENGTH	SIGN SPACING

INDICATE NORTH WITH "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
SINGLE LANE CLOSURE (RIGHT LANE)

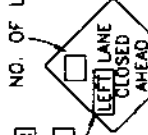
DATE		BY	

LEGEND

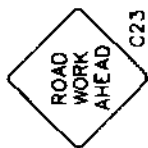
- Traffic Cone or Delimitator
- ▭ Sign
- Direction of Travel (Not a pavement marking)
- ▭ Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A, Type I , or Type II .
- Y High Level Warning Device (Flagtree)
- Barricade (For Excavation Only)
Refer to Page 12 for Details on Type I , Type II , or Type III .
- ▭ Flagger

CENTER OR RIGHT

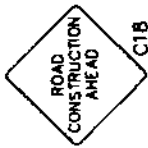
NO. OF LANES



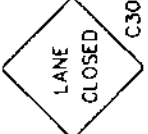
C20



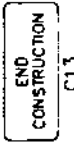
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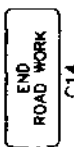
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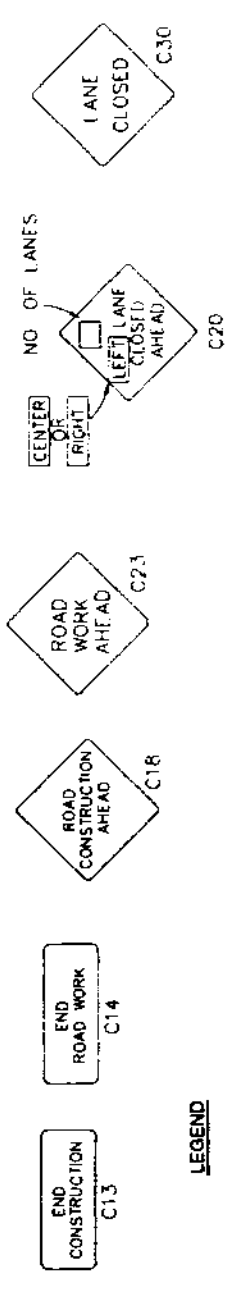
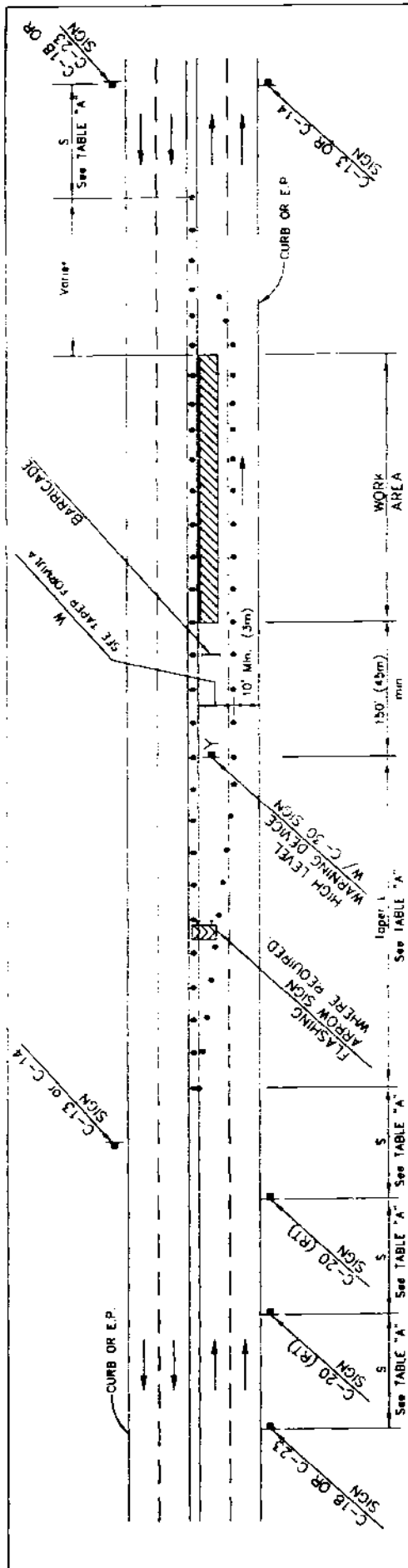
C30



C13









C14



LEGEND

Traffic Cone or Delineator

-  Sign
-  Direction of Travel (Not a pavement marking)
-  Flashing Arrow Sign (Where Required) Refer to Page 9 to select Type A, Type I, or Type II.
-  High Level Warning Device (Flagtree)
-  Barricade (For Excavation Only) Refer to Page 12 for Details on Type I, Type II, or Type III.
-  Flagger



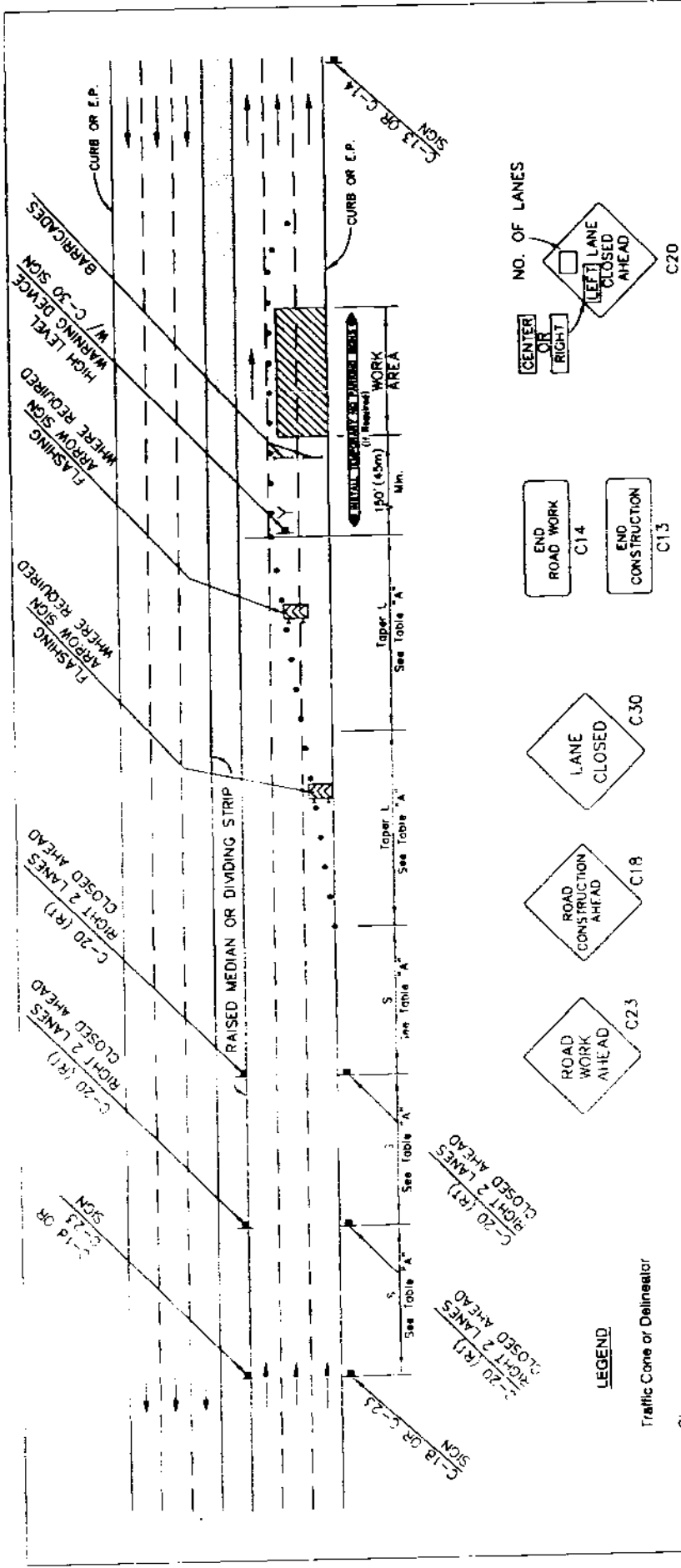
INDICATE NORTH WITH A "N" AND AN ARROW POINT

SEE PAGE 10 FOR SIGN CONSTRUCTION AND MOUNTING DETAILS

SIGN	TYPE	SIZE	TEXT
C-18	1	36" x 48"	END CONSTRUCTION
C-14	1	36" x 48"	END ROAD WORK
C-20	1	36" x 48"	LEFT LANE CLOSED AHEAD
C-30	1	36" x 48"	1 LANE CLOSED

WORKSITE TRAFFIC CONTROL PLAN
SINGLE LANE CLOSURE (LEFT LANE)

DATE	NO. OF SHEETS	SHEET NO.
11/1/88	2	1



LEGEND

- Traffic Cone or Delineator
- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 8 to select Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 for Details on Type I, Type II, or Type III.
- Flagger

SEE TABLE A FOR SIGN CONE SPACING AND TAPER LENGTH

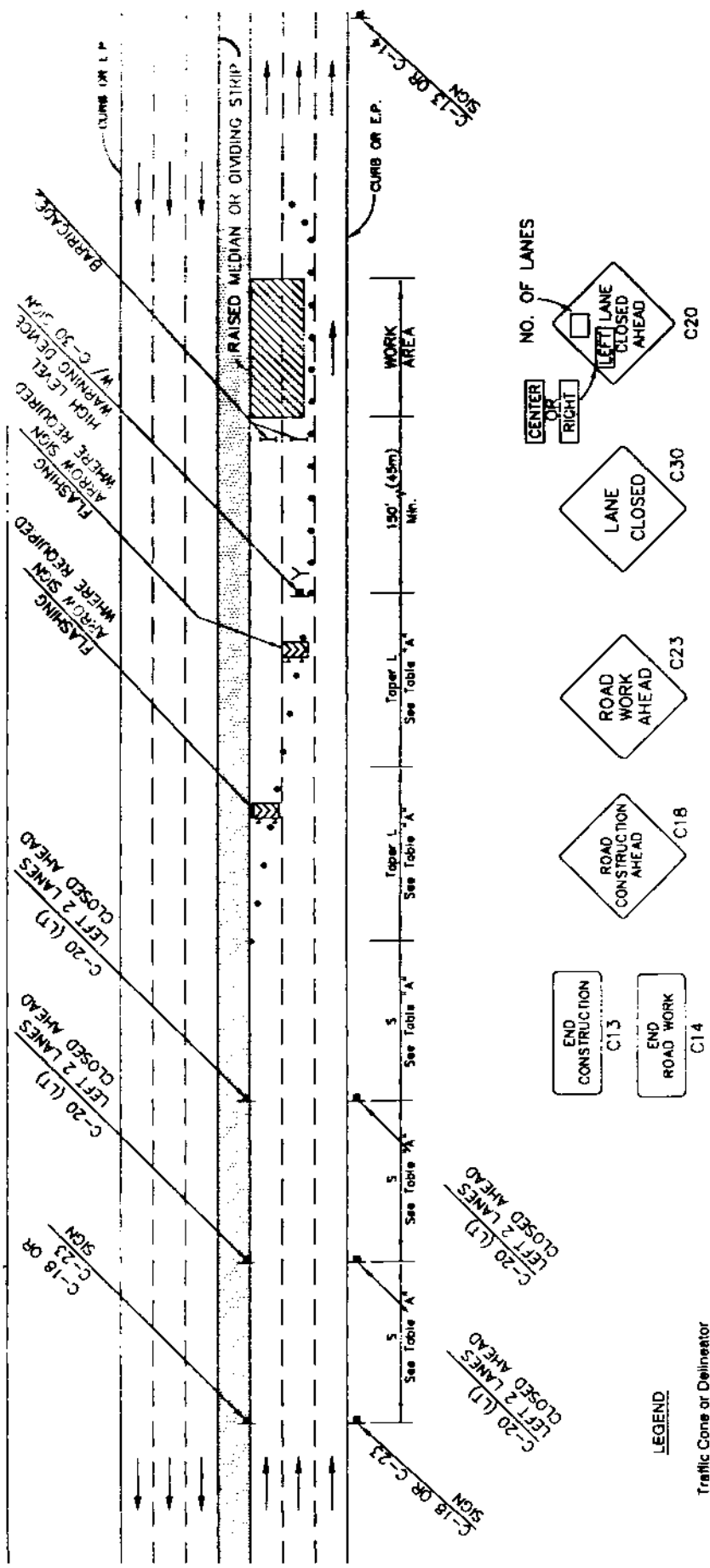
SPEED	APPROACH STREET LENGTH	WORK AREA LENGTH	TAPER LENGTH	CONUSING

INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
MULTI-LANE CLOSURE (RIGHT LANES)

DATE: _____ BY: _____

SCALE: _____



LEGEND

- Traffic Cone or Delineator
- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 8 to select Type A, Type I, or Type II
- High Level Warning Device (Flagires)
- Barricade (For Excavation Only) Refer to Page 12 for Details on Type I, Type II, or Type III.
- Flagger

NO. OF LANES

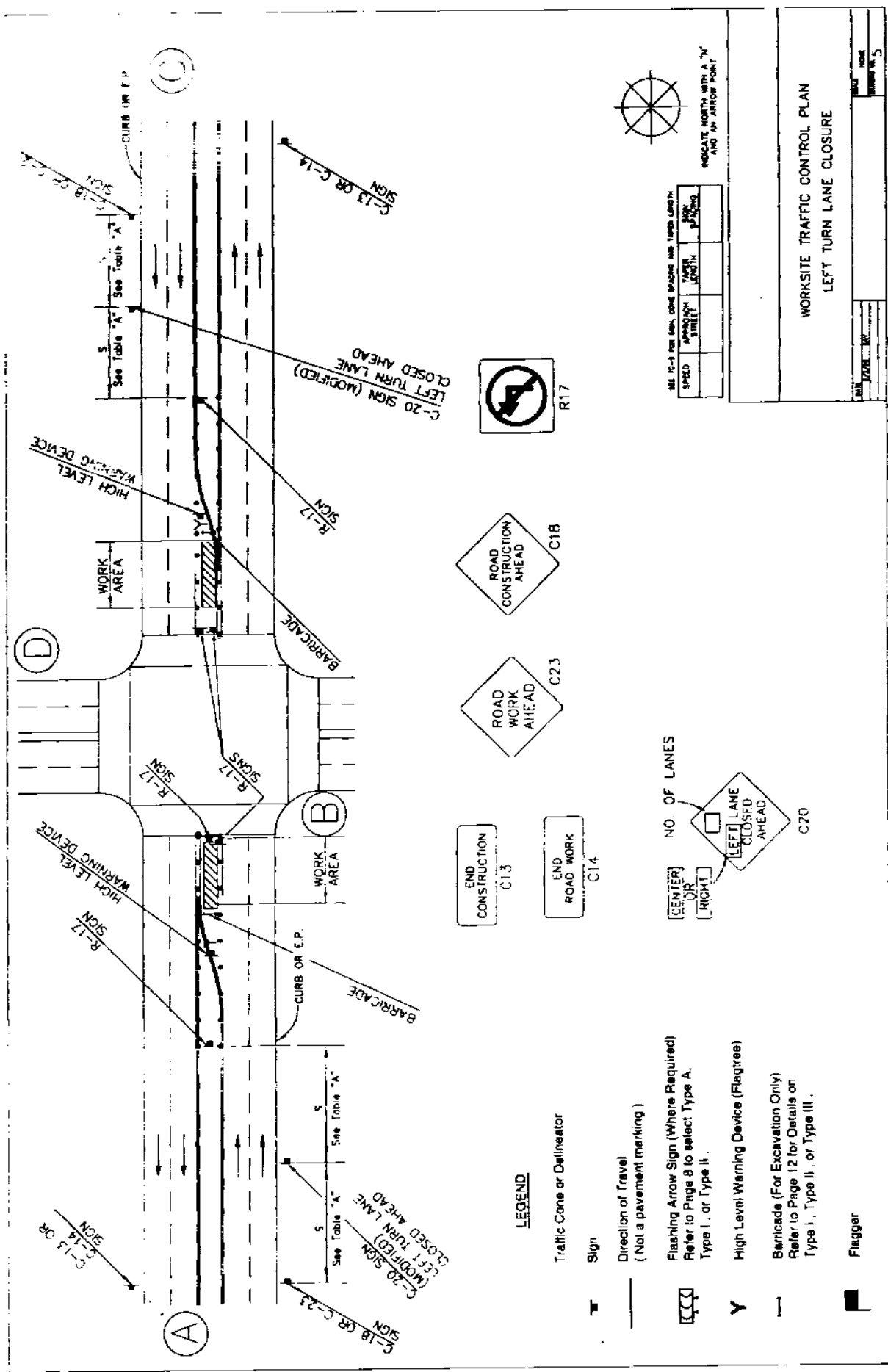
- C13 END CONSTRUCTION
- C14 END ROAD WORK
- C18 ROAD CONSTRUCTION AHEAD
- C23 ROAD WORK AHEAD
- C30 LANE CLOSED
- C20 LEFT LANE CLOSED AHEAD

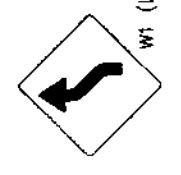
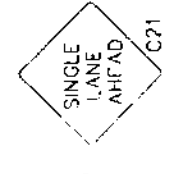
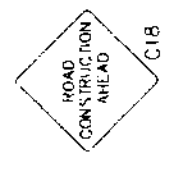
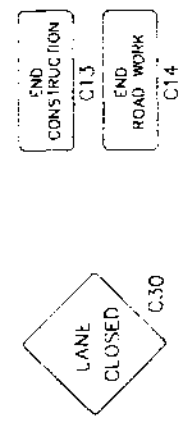
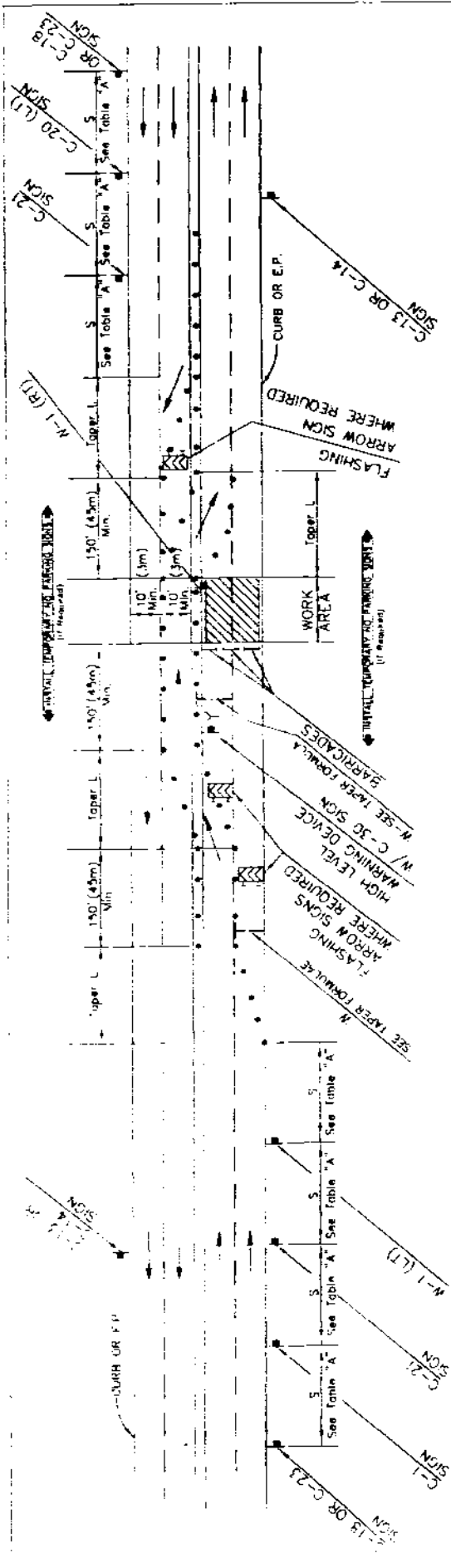
INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
MULTI-LANE CLOSURE (LEFT LANES)

DATE: _____ TIME: _____

BY: _____





LEGEND

Traffic Cone or Delineator

Sign

Direction of Travel
(Not a pavement marking)

Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A,
Type I, or Type II.

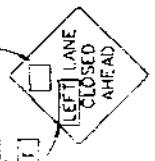
High Level Warning Device (Flagman)

Barricade (For Excavation Only)
Refer to Page 12 for Details on
Type I, Type II, or Type III.

Flagger

(CENTER)
OR
(RIGHT)

NO. OF LANES

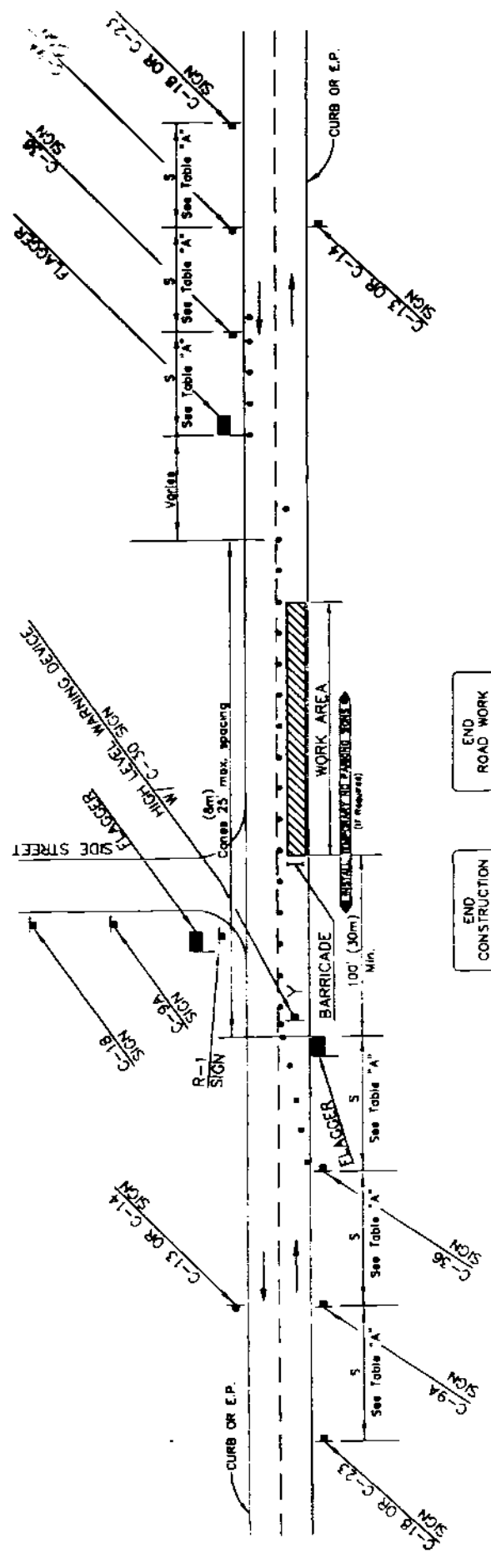


INDICATE NORTH WITH A "N"
AND AN ARROW POINT

SPEED	APPROX. DIST. IN FEET		SPEED
	MIN.	MAX.	

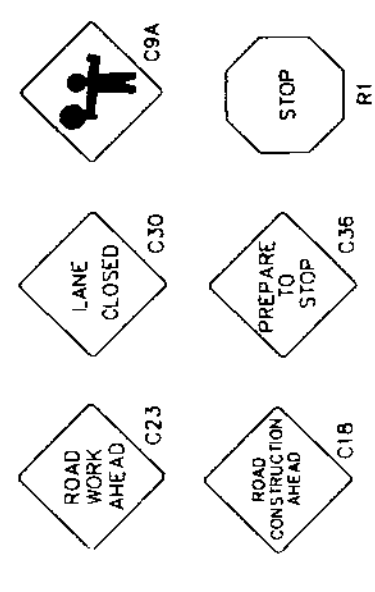
WORKSITE TRAFFIC CONTROL PLAN
TYPICAL CLOSING OF HALF ROADWAY

Scale: _____
 Date: _____
 Project: _____
 Sheet No: _____ of 6



LEGEND

- Traffic Cone or Delimitor
- Sign
- Direction of Travel
(Not a pavement marking)
- Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A, Type I, or Type II
- High Level Warning Device (Flaggee)
- Barricade (For Excavation Only)
Refer to Page 12 for Details on Type I, Type II, or Type III.
- Flagger

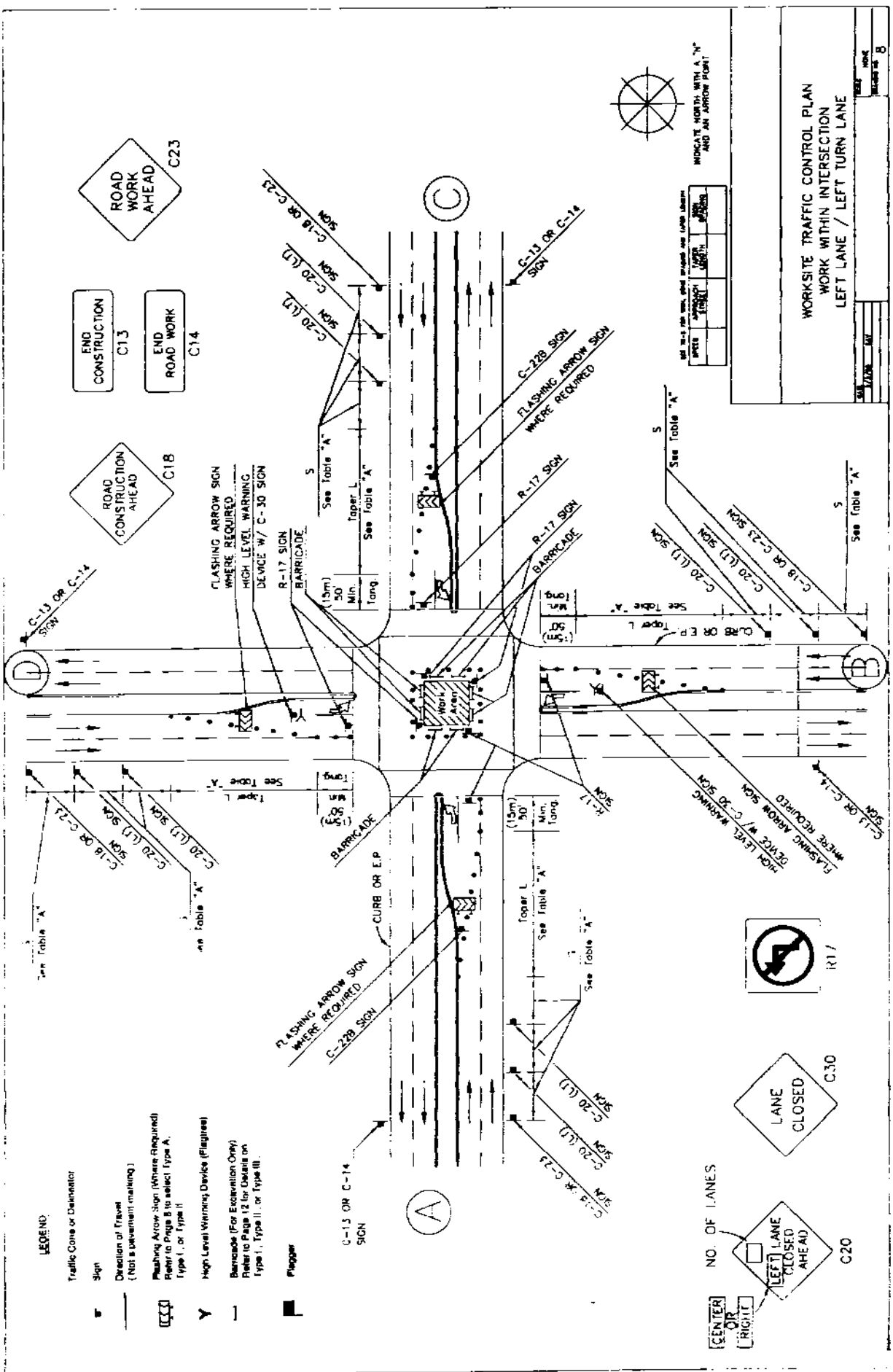


SEE TABLE FOR SIGN, CONE SPACING AND FLAGGER LOCATIONS

SPEED	APPROACH	STREET	TYPE	FLASHING	ARROW

INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
TYPICAL LANE CLOSURE
WITH REVERSIBLE CONTROL



LEGEND

- Traffic Cone or Delineator
- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page B to select Type A, Type I, or Type II
- High Level Warning Device (Flaggies)
- Barrier (For Excavation Only) Refer to Page B for details on Type I, Type II, or Type III
- Flagger

NO. OF LANES

WORK WITHIN INTERSECTION
LEFT LANE / LEFT TURN LANE

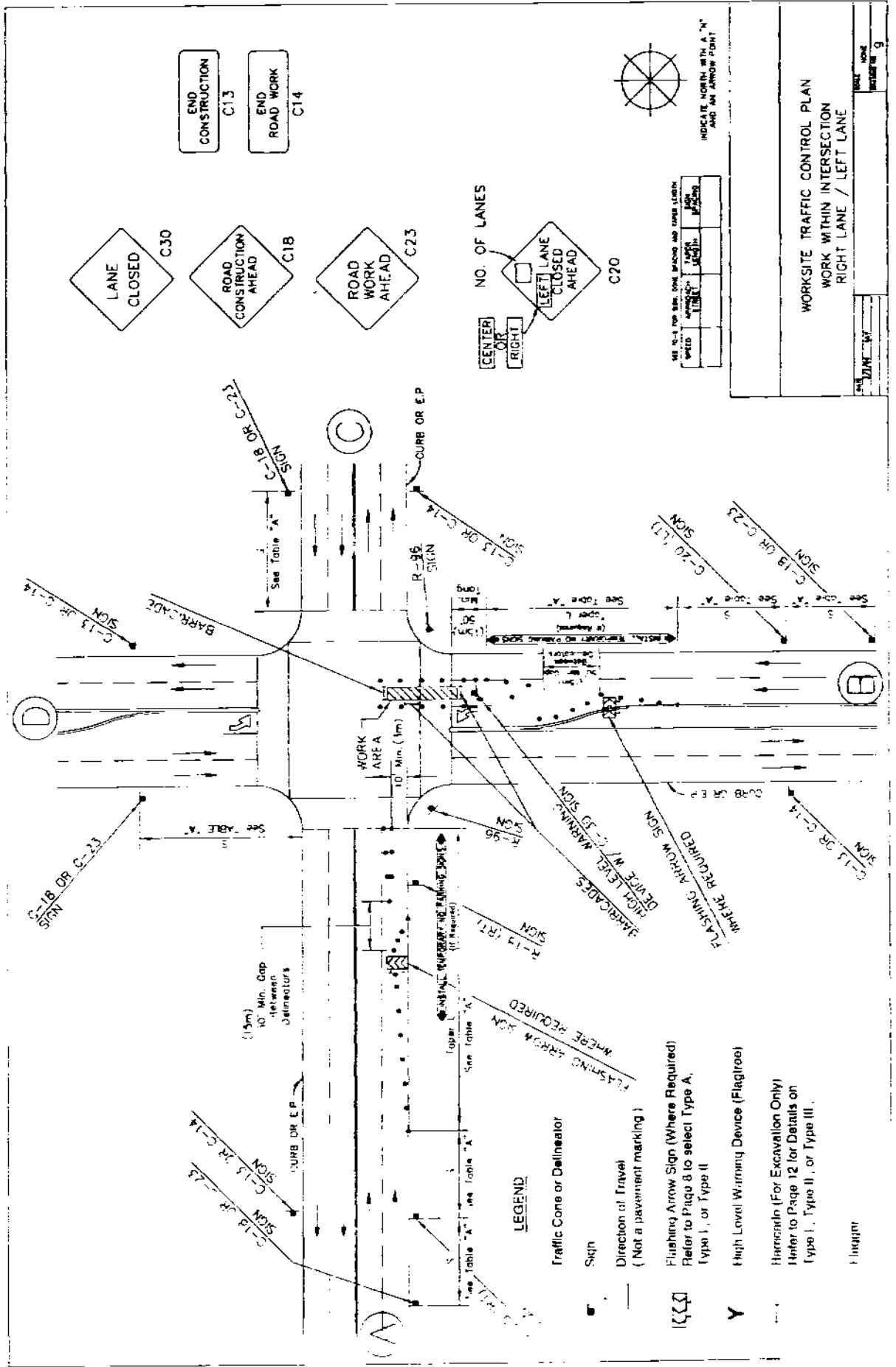
SEE THIS FOR SIGN, SIGN PLACEMENT AND LIGHT PLACEMENT

TYPE	HEIGHT	SPACING

INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
WORK WITHIN INTERSECTION
LEFT LANE / LEFT TURN LANE

DATE	
BY	
CHECKED	
DATE	



END CONSTRUCTION
C13

END ROAD WORK
C14

LANE CLOSED
C30

ROAD CONSTRUCTION AHEAD
C18

ROAD WORK AHEAD
C23

NO. OF LANES
LEFT LANE CLOSED AHEAD
C20



INDICATE HEREIN WITH "N" AND AN ARROW POINT

SEE TABLE FOR SIGN, ONE MARCH AND THREE LETTERS	NO. OF LANES	TYPE	LEFT	RIGHT

WORKSITE TRAFFIC CONTROL PLAN
WORK WITHIN INTERSECTION
RIGHT LANE / LEFT LANE

DATE: 11/17/17
SCALE: AS SHOWN
SHEET NO: 9

LEGEND

Traffic Cone or Delineator

Sign

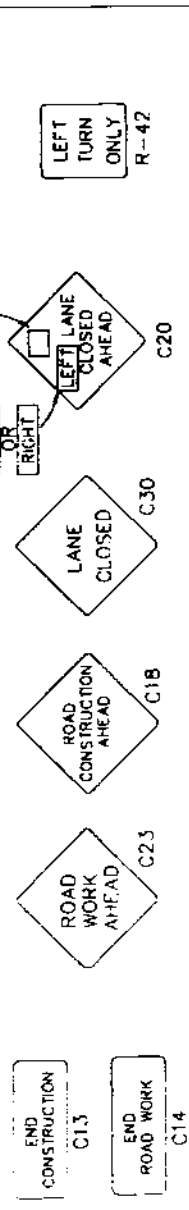
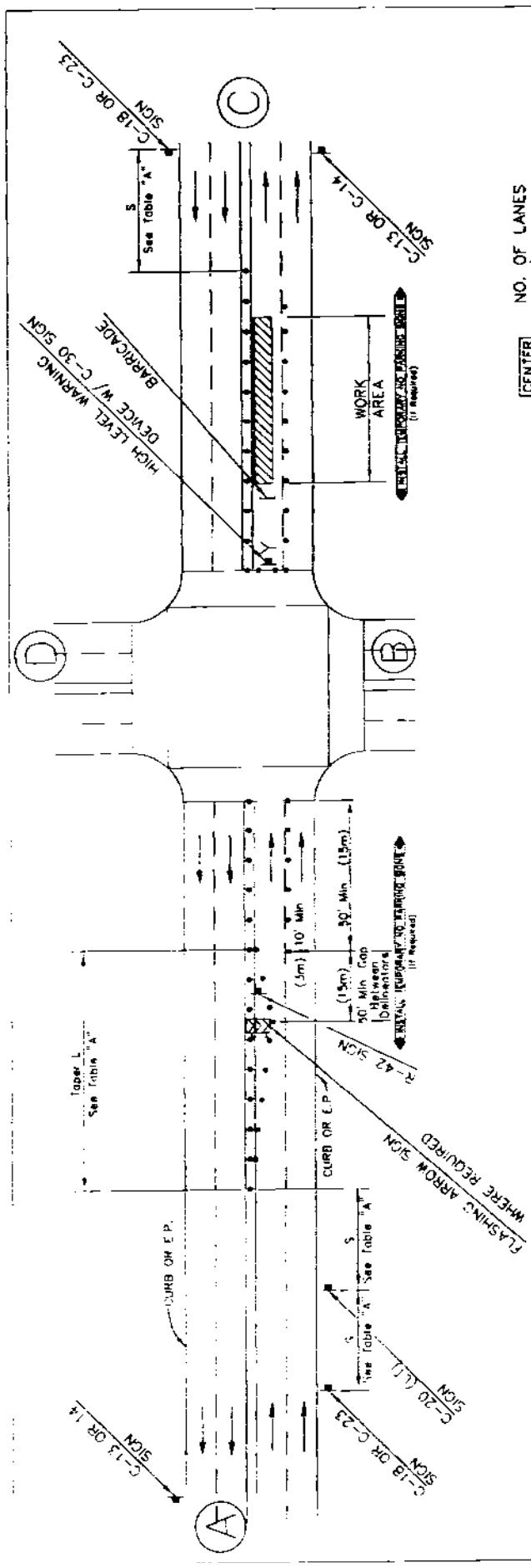
Direction of Travel
(Not a pavement marking)

Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A,
Type I, or Type II

High Level Warning Device (Flag/rope)

Hazard Bar (For Excavation Only)
Refer to Page 12 for Details on
Type I, Type II, or Type III

Fluorim



LEGEND

Traffic Cone or Delineator

Sign

Direction of Travel
(Not a pavement marking)

Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A, Type I, or Type II.

Y High Level Warning Device (Flagtree)

— Barricade (For Excavation Only)
Refer to Page 12 for Details on Type I, Type II, or Type III.

Flagger

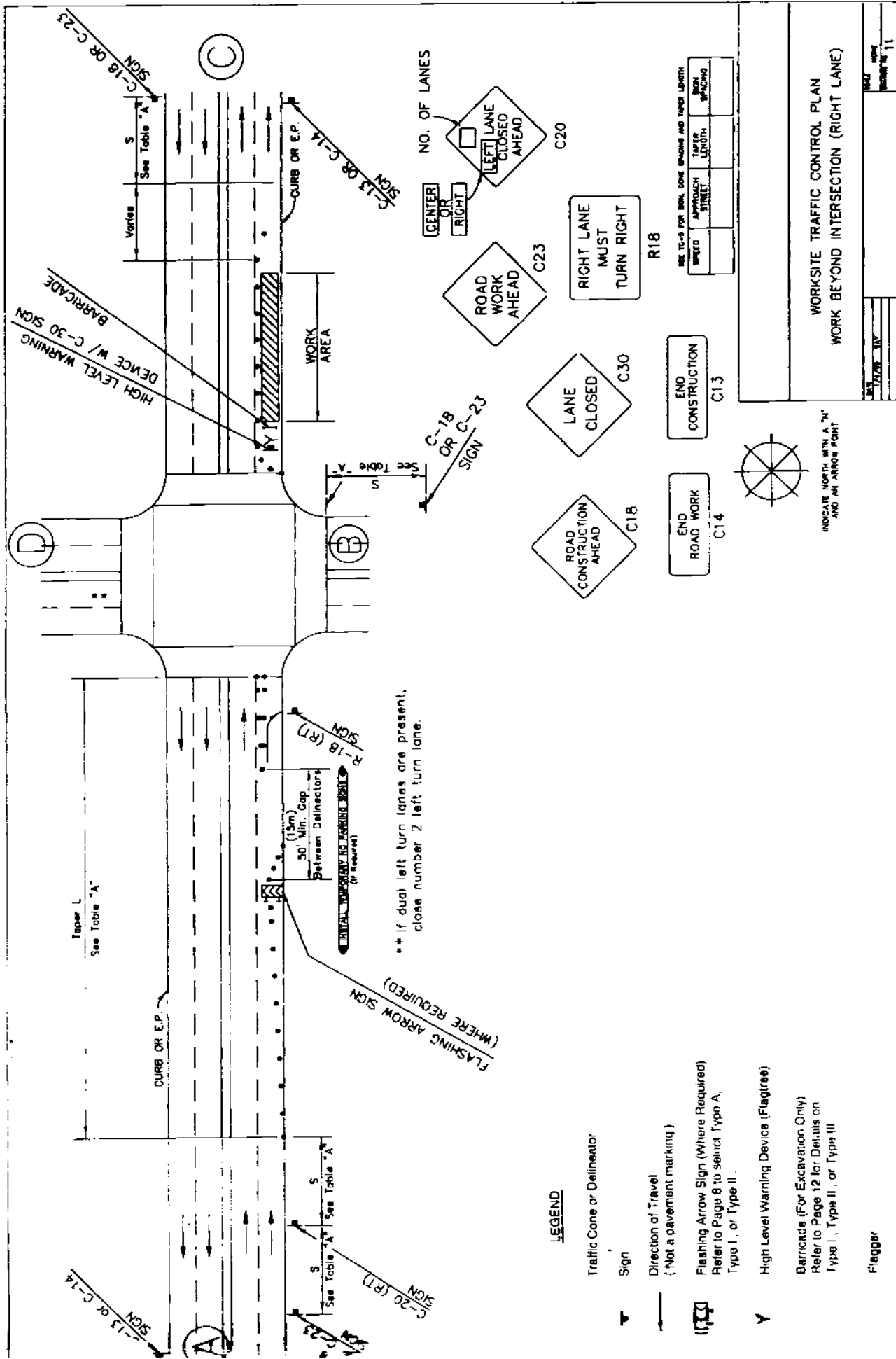


INDICATE HOUSING WITH A 'N' AND AN ARROW POINT

NO. OF LANES	NO. OF LANES
LEFT LANE	RIGHT LANE
CENTER	RIGHT

WORKSITE TRAFFIC CONTROL PLAN
WORK BEYOND INTERSECTION (LEFT LANE)

DATE	SCALE
1/23/20	1:10



** If dual left turn lanes are present, close number 2 left turn lane.

LEGEND

- T Traffic Cone or Delineator
- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 8 to select Type A, Type I, or Type II.
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 for Details on Type I, Type II, or Type III
- Flagger

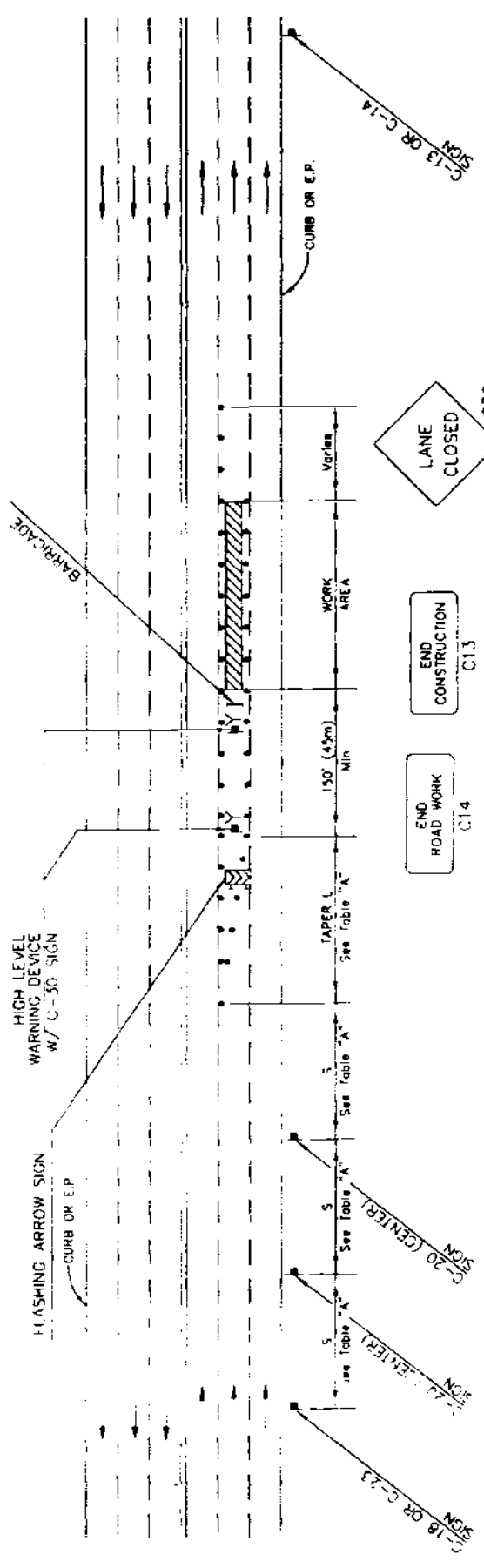
SEE TC-18 FOR SIGN, CONE SPACING AND TAPER LENGTH	
APPROACH SPEED	MINIMUM SIGN SPACING



INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
WORK BEYOND INTERSECTION (RIGHT LANE)

DATE	
SCALE	
PROJECT NO.	

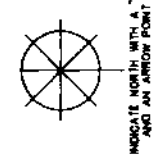


LEGEND

- Traffic Cone or Delineator
- Sign
- Direction of Travel (Not a pavement marking)
- Flashing Arrow Sign (Where Required) Refer to Page 8 to select Type A, Type I, or Type II
- High Level Warning Device (Flagtree)
- Barricade (For Excavation Only) Refer to Page 12 for Details on Type I, Type II, or Type III.
- Flagger

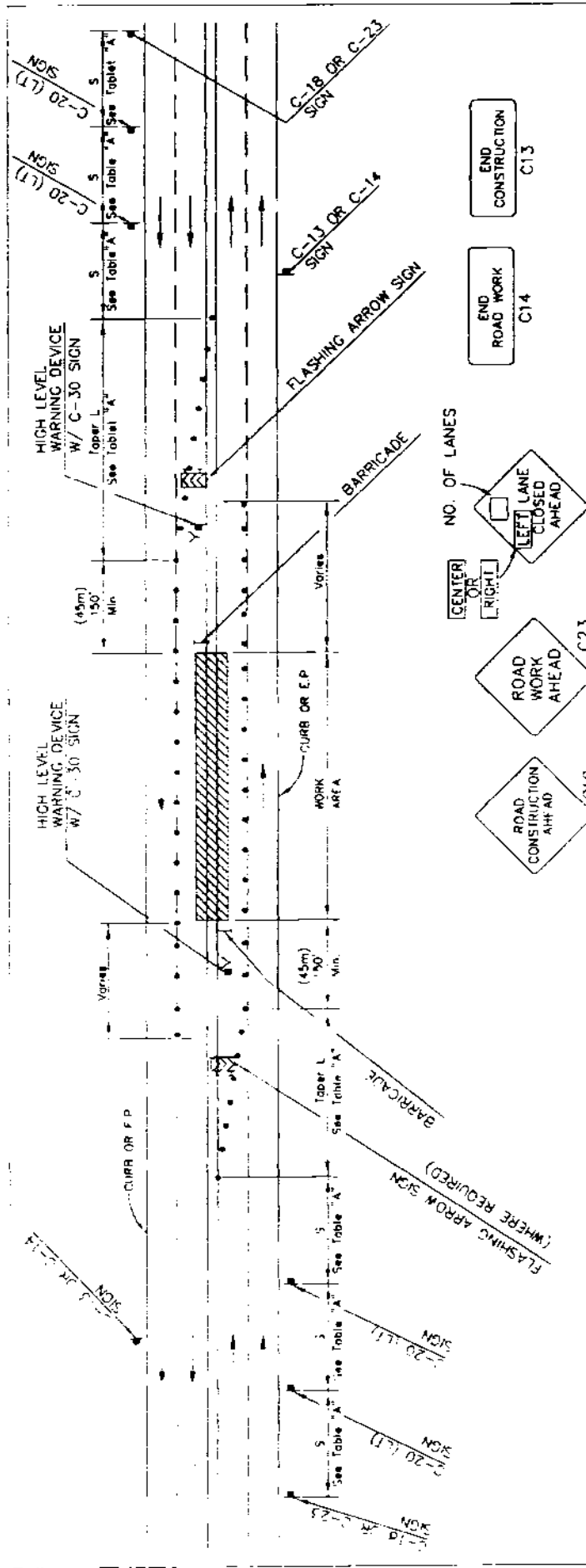
SEE PAGE 108 FOR SIGN, CONE, BARRICADE AND FLAGGER LISTINGS

TYPE	TYPE I	TYPE II	TYPE III
NO.	1	2	3



WORKSITE TRAFFIC CONTROL PLAN
MIDDLE LANE CLOSURE

DATE	ISSUED	REVISED
12/28/98	1/12/00	1/12/00



LEGEND:

Traffic Cone or Delimiter

Sign

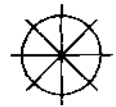
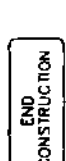
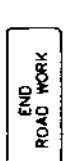
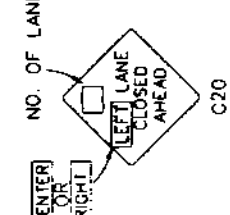
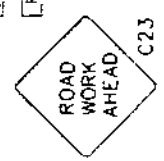
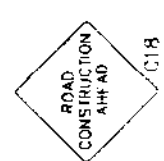
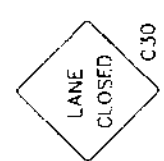
Direction of Travel
(Not a pavement marking)

Flashing Arrow Sign (Where Required)
Refer to Page 8 to select Type A, Type I, or Type II

High Level Warning Device (Flagtree)

Barricade (For Excavation Only)
Refer to Page 12 for Details on Type I, Type II, or Type III

Flagger



SEE 10-8 FOR MIN. CONE SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	MIN SPACING

INDICATE NORTH WITH A "N" AND AN ARROW POINT

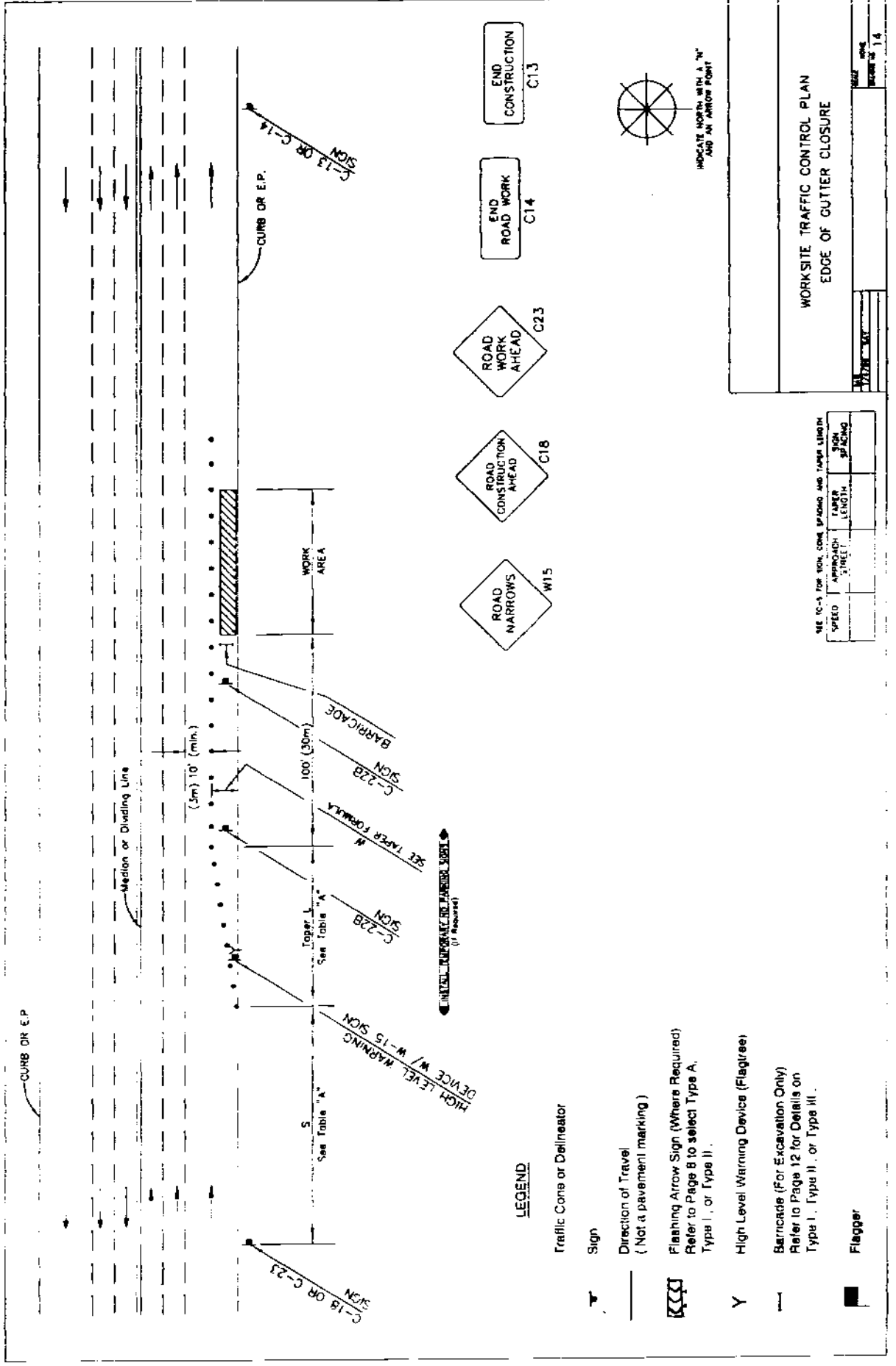
WORKSITE TRAFFIC CONTROL PLAN
WORK IN CENTER OF ROAD

DATE: _____ TIME: _____

BY: _____

SCALE: _____

PROJECT NO: _____



SEE 10-1 FOR SIGN CONE SPACING AND TAPE LENGTH

SPEED	APPROACH SHEET	TAPER LENGTH	SIGN SPACING

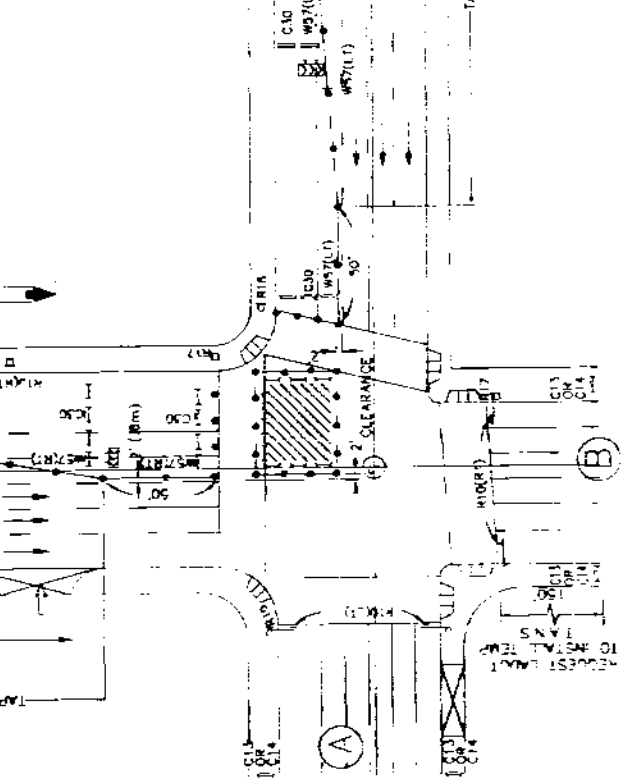
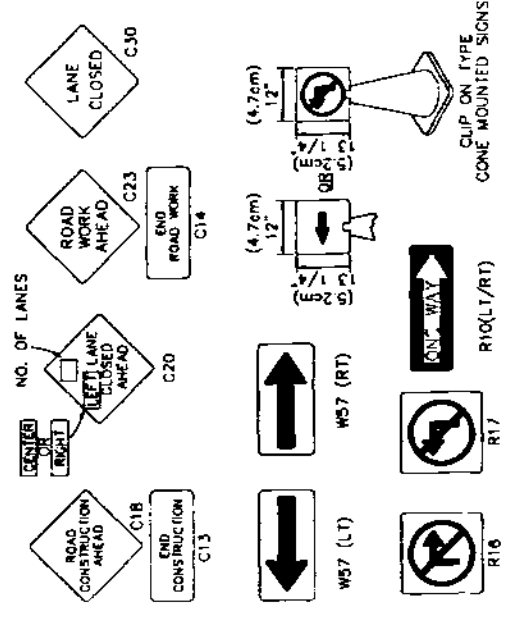
**WORKSITE TRAFFIC CONTROL PLAN
EDGE OF GUTTER CLOSURE**

DATE	
BY	
SCALE	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	

USE BULL NOSE ONLY IF TAPER
TERMINATES IN PARKING LANE.
OTHERWISE EXTEND USING
APPROPRIATE TAPER LENGTH
(SEE TABLE A)

LEGEND:

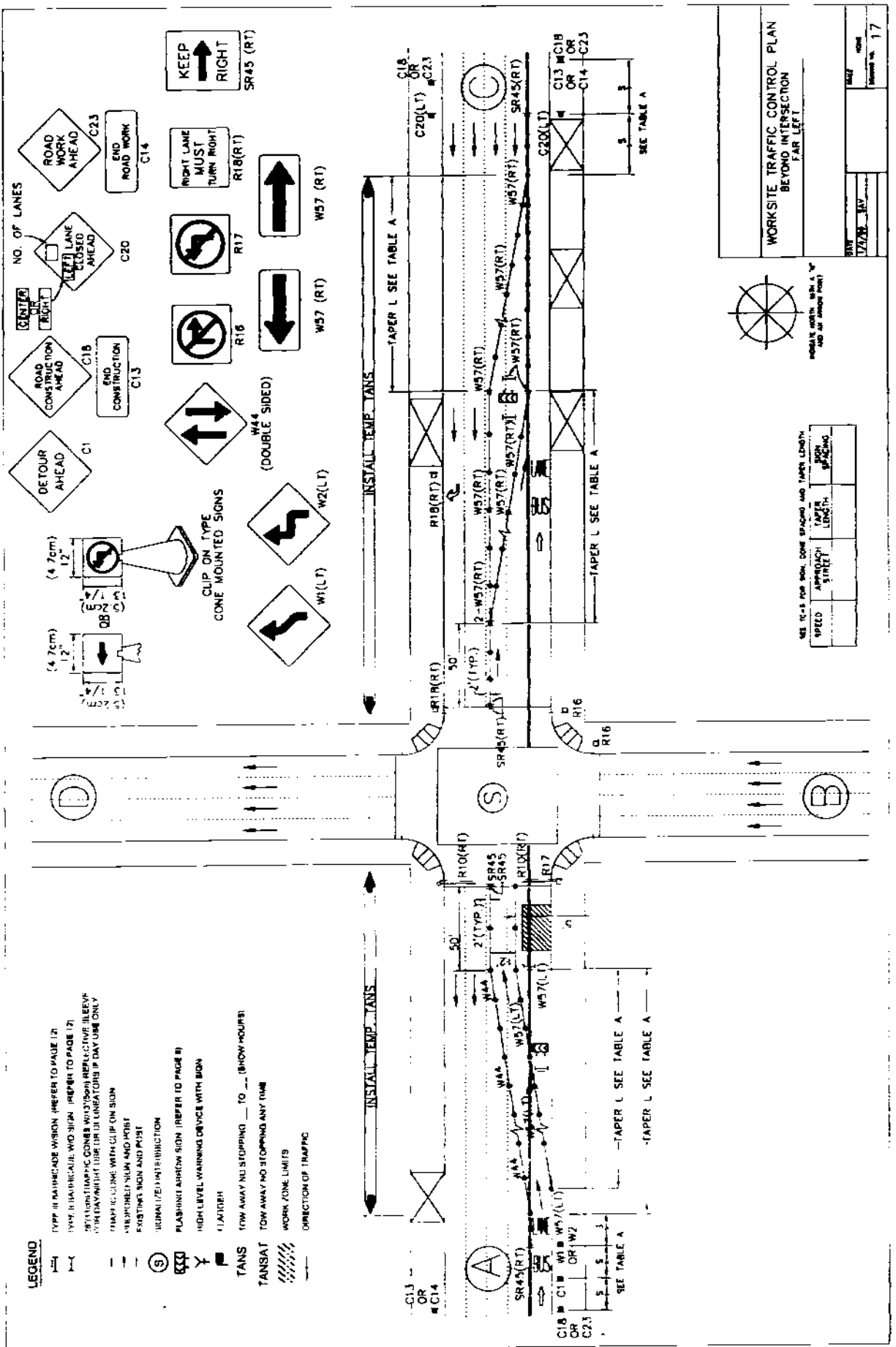
- TYPE II BARRICADE W/ SIGN (refer to page 12)
- TYPE II BARRICADE W/O SIGN (refer to page 12)
- TRAFFIC CONE COMBIS W/ SIGN REFLECTIVE BULBES
1.7M DIA/VISIB W/ 1UR: OR DRUMS/ALTOHS IF DAY USE ONLY
- TRAFFIC CONE WITH CLIP ON SIGN
- PROPOSED SIGN AND POST
- EXISTING SIGN AND POST
- SKINNY ROAD INTERSECTION
- FLASHING ARROW SIGN (refer to page 8)
- HIGH LEVEL WARNING DEVICE WITH SIGN
- FLASHER
- FOR ANY NO STOPPING TO (SHOW HOURS)
- TANSAT FOR AWAY NOT STOPPING ANY FARE
- WORK ZONE LIMITS
- DIRECTION OF TRAFFIC



WORKSITE TRAFFIC CONTROL PLAN
INTERSECTION WORK
RIGHT/LEFT

SEE TABLE A FOR SIGN, CONE SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	CONE SPACING



LEGEND

- (TYPE II) MARKER WHORL (REFER TO PAGE 17)
- (TYPE III) MARKER WHORL SIGN (REFER TO PAGE 17)
- (TRAFFIC CONE) (REFER TO PAGE 17)
- (REFLECTIVE BLEEP) (REFER TO PAGE 17)
- (CONSTRUCTION) (REFER TO PAGE 17)
- (NO. OF LANES)
- (ROAD WORK CONSTRUCTION AHEAD)
- (END ROAD WORK)
- (ROAD WORK AHEAD)
- (LEFT LANE CLOSED AHEAD)
- (NO. OF LANES)
- (ROAD WORK MUST TURN RIGHT)
- (KEEP RIGHT)
- (RIGHT TURN MUST TURN RIGHT)
- (NO LEFT TURN)
- (W1(L/T))
- (W2(L/T))
- (W57(R/T))
- (W57(L/T))
- (W44 (DOUBLE SIDED))
- (INSTALL TEMP TANS)
- (TAPER L SEE TABLE A)

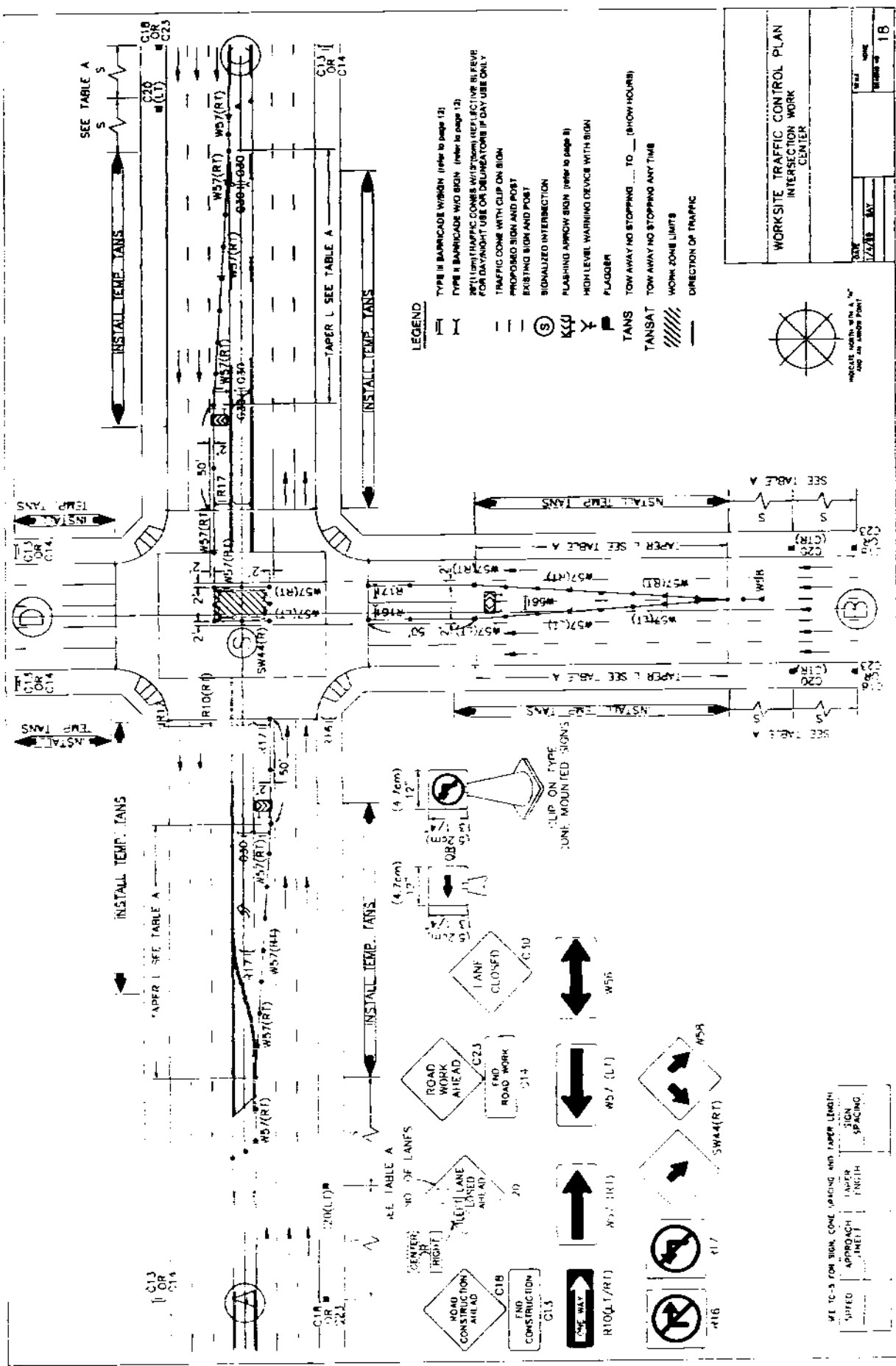
SEE TABLE FOR SIGN, CONE SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	CONE SPACING



WORKSITE TRAFFIC CONTROL PLAN
BEYOND INTERSECTION
FAR LEFT

DATE	
REVISED	
NO.	



LEGEND

- TYPE II BARRICADE W/ SIGN (refer to page 12)
- TYPE II BARRICADE W/O SIGN (refer to page 12)
- REFLECTIVE TRAFFIC CONES W/ 5" TAPER REFLECTIVE RELIEF FOR DAY/NIGHT USE OR DELIMITER IF DAY USE ONLY
- TRAFFIC CONE WITH CLIP ON SIGN
- PROPOSED SIGN AND POST
- EXISTING SIGN AND POST
- SIGNALIZED INTERSECTION
- FLASHING ARROW SIGN (refer to page 8)
- HIGH LEVEL WARNING DEVICE WITH SIGN
- FLAGGER
- TANS TOW AWAY NO STOPPING TO (SHOW HOURS)
- TANSAT TOW AWAY NO STOPPING ANY TIME
- WORK ZONE LIMITS
- DIRECTION OF TRAFFIC

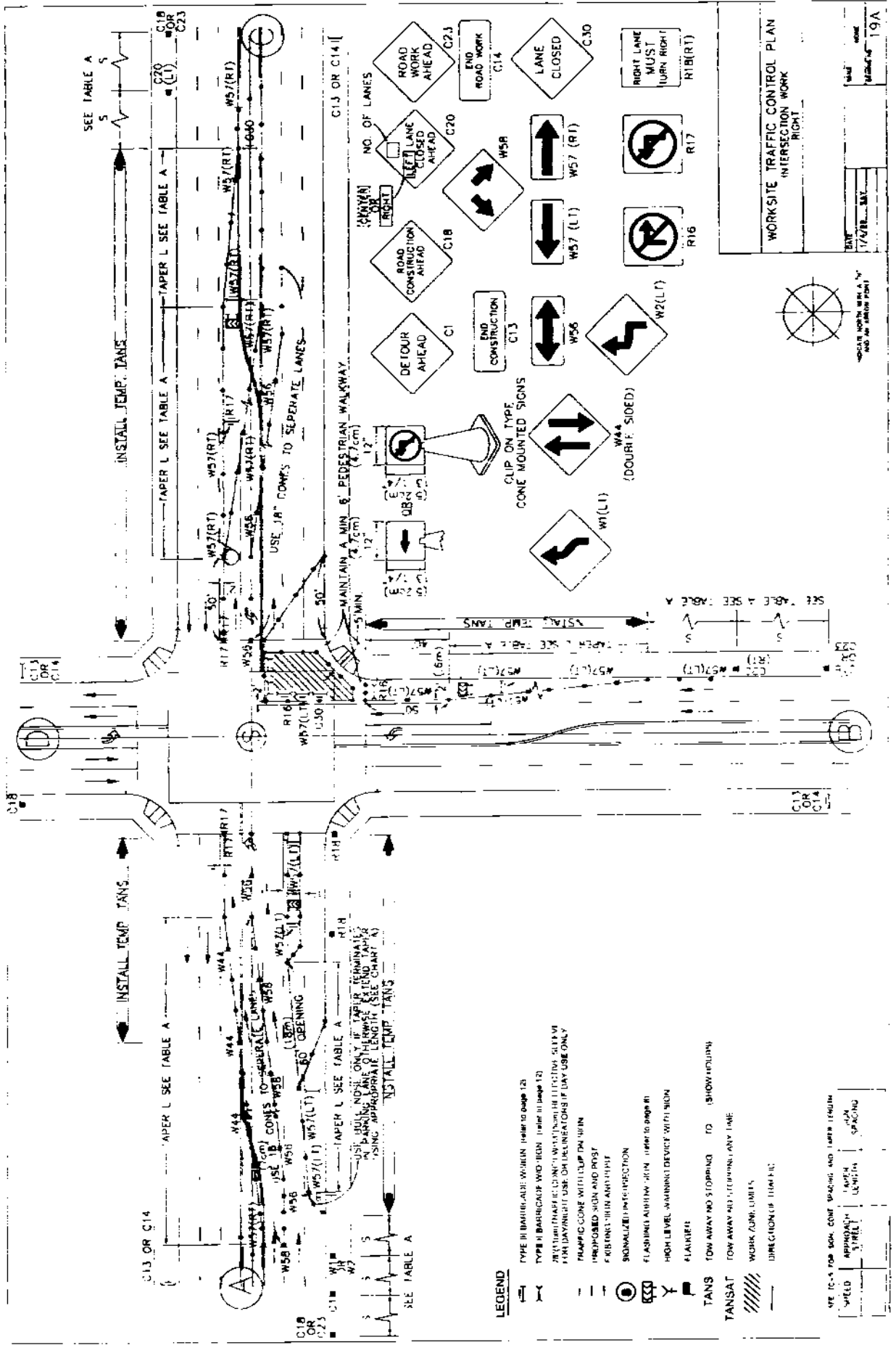


INDICATE NORTH WITH A "N" AND AN ARROW POINT

WORKSITE TRAFFIC CONTROL PLAN
INTERSECTION WORK CENTER

4" T-15 FOR SIGN CONE SPACING AND TAPER LENGTH	4" T-15 FOR SIGN CONE SPACING AND TAPER LENGTH
SUITED APPROACH (FEET)	SIGN SPACING (FEET)

DATE	1/2/88	BY	
SCALE		SHEET NO.	18



LEGEND

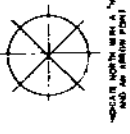
- TYPE II BARRICADE (WHEN USED TO CLOSE LANE)
- TAPER (WHEN USED TO CLOSE LANE)
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- FLASHING ARROW (WHEN USED TO CLOSE LANE)
- FLANKER
- TANS (TO AWAY AND STOPPING TO SHOW WORKING)
- TANSAT (TO AWAY AND STOPPING ANY TIME)
- WORK ZONE LIMITS
- DIRECTION OF TRAFFIC

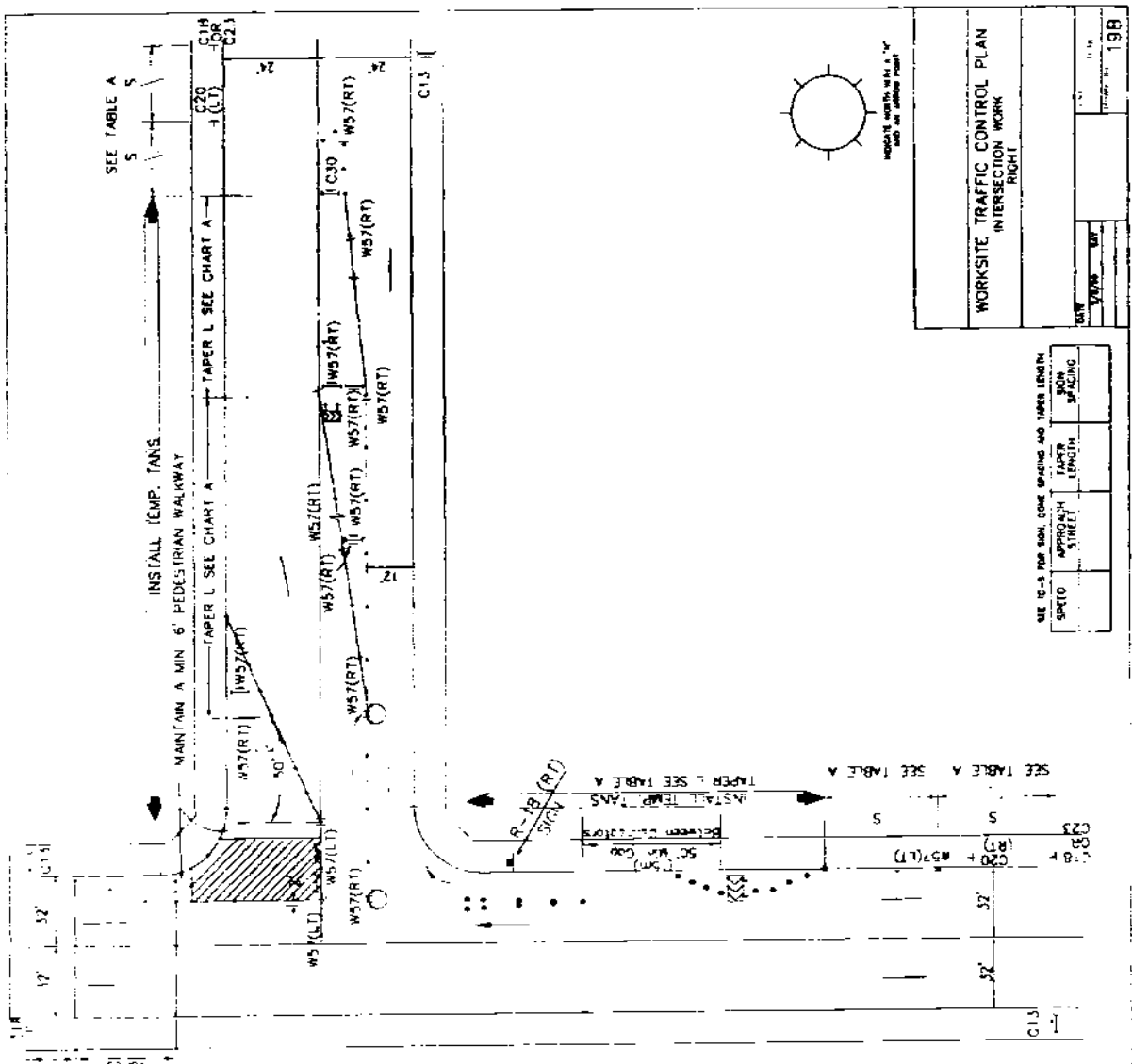
NOTE: SEE TABLE A FOR SIGN CONE SPACING AND TAPER LENGTH

SPEED	APPROACH TAPER	LANE CLOSURE	WORK ZONE SPACING

WORKSITE TRAFFIC CONTROL PLAN
INTERSECTION WORK RIGHT

DATE: 7/2/88
DRAWN BY: [Signature]
SCALE: 1/8" = 1'-0"





- LEGEND**
- TYPE II MOUNTED SIGN (SEE TABLE A)
 - TYPE II BASIC COLOR AND SIGN (SEE TABLE A)
 - ANY TEMPORARY SIGN WITH SIGNIFICATIVE MESSAGE (SEE TABLE A)
 - TRAFFIC CONE WITH REFLECTOR ON TOP
 - WEDGED SIGN AND POST
 - EXTENDING SIGN AND POST
 - SIGNALIZED INTERSECTION
 - FLASHING YELLOW SIGN (SEE TABLE A)
 - HIGH LEVEL WARNING DEVICE WITH SIGN
 - FLASHER
 - TANS (SEE TABLE A)
 - FANSAT (SEE TABLE A)
 - WORK ZONE LIMITS
 - INTERSECTION OF TRAFFIC

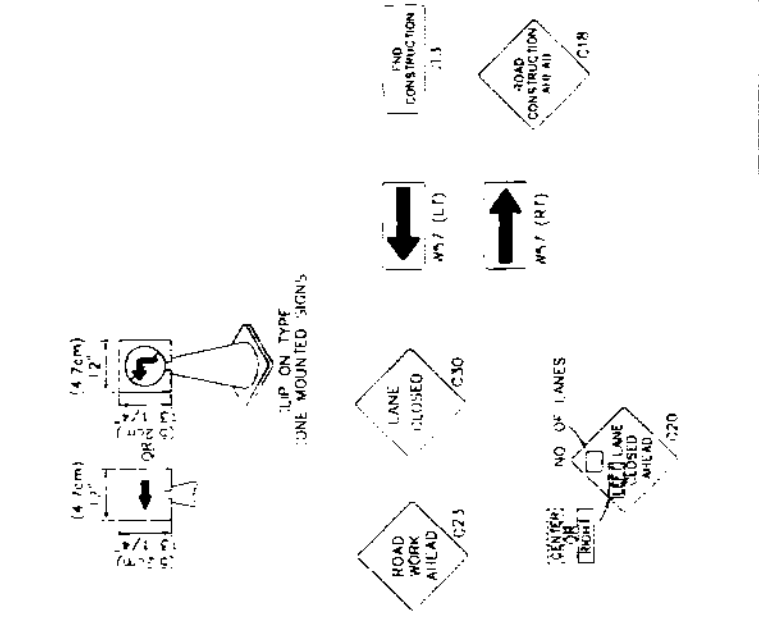


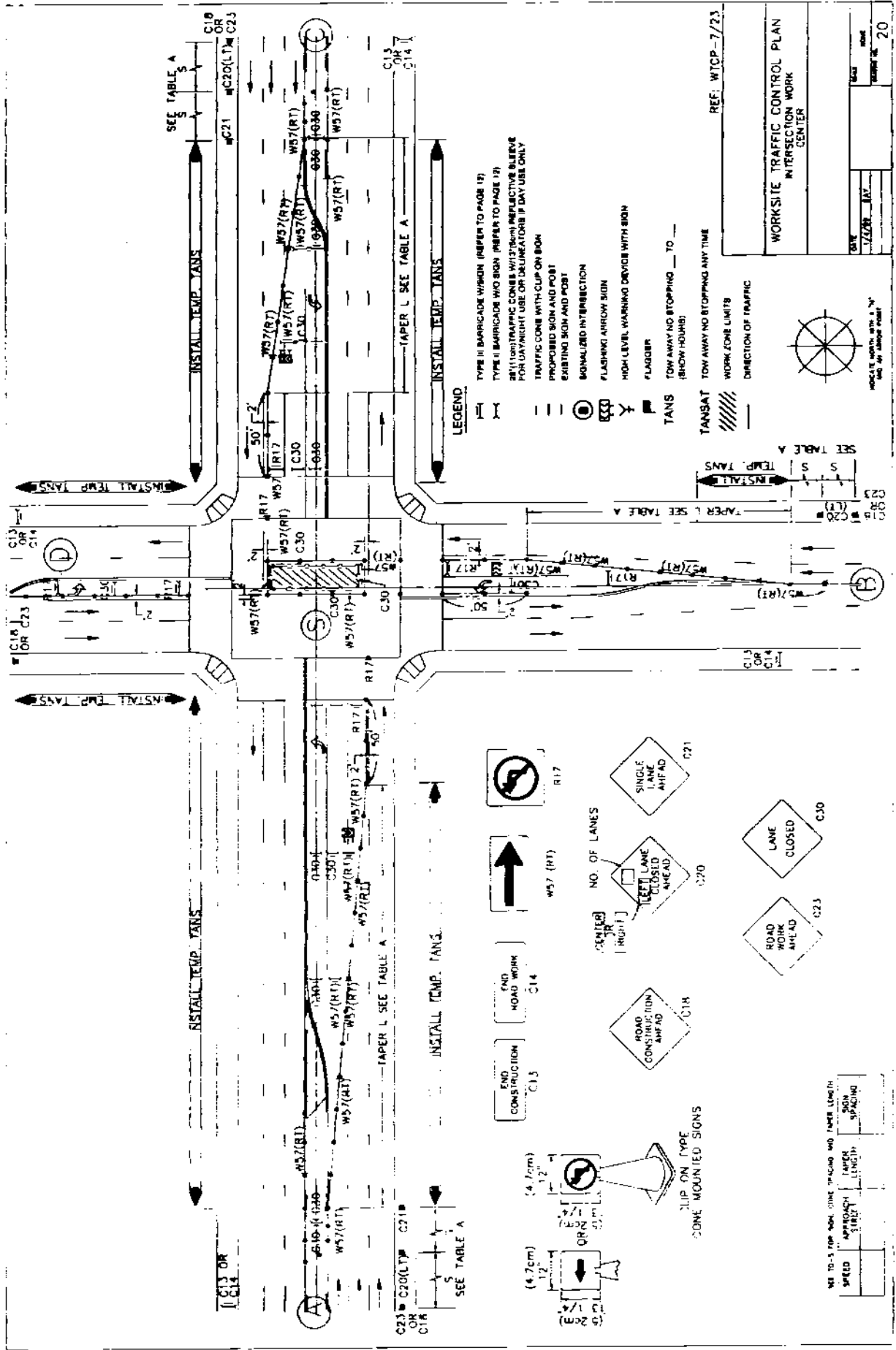
TABLE A

WORKSITE TRAFFIC CONTROL PLAN
INTERSECTION WORK
RIGHT

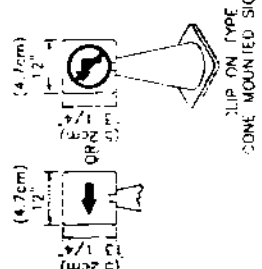
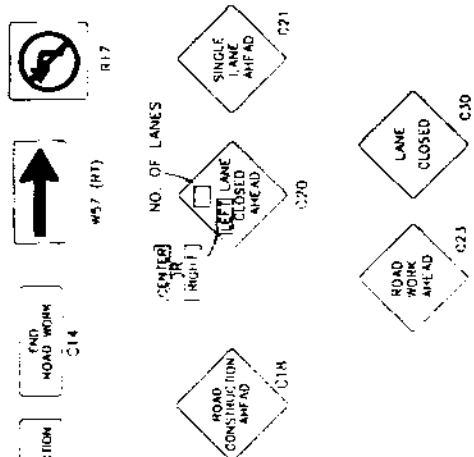
DATE	11/14
BY	11/14
SCALE	AS SHOWN
PROJECT NO.	198

USE G-3 FOR SIGN, CONE SPACING AND TAPER LENGTH

APPROACH STREET	STREET	TAPER LENGTH	CONE SPACING



- LEGEND**
- TYPE II BARRICADE WITH SIGN (REFER TO PAGE 19)
 - TYPE II BARRICADE WITHOUT SIGN (REFER TO PAGE 19)
 - TRAFFIC CONE WITH SIGN REFLECTIVE BLUE/WHITE FOR DAY/NIGHT USE OR DELINEATOR IN DAY USE ONLY
 - TRAFFIC CONE WITH CLIP ON SIGN
 - PROHIBIT SIGN AND POST
 - EXISTING SIGN AND POST
 - SIGNALIZED INTERSECTION
 - FLASHING ARROW SIGN
 - HIGH LEVEL WARNING DEVICE WITH SIGN
 - FLAGGER
 - TANS
 - TOW AWAY NO STOPPING TO (SHOW HOURS)
 - TOW AWAY NO STOPPING ANY TIME
 - WORK ZONE LIMITS
 - DIRECTION OF TRAFFIC



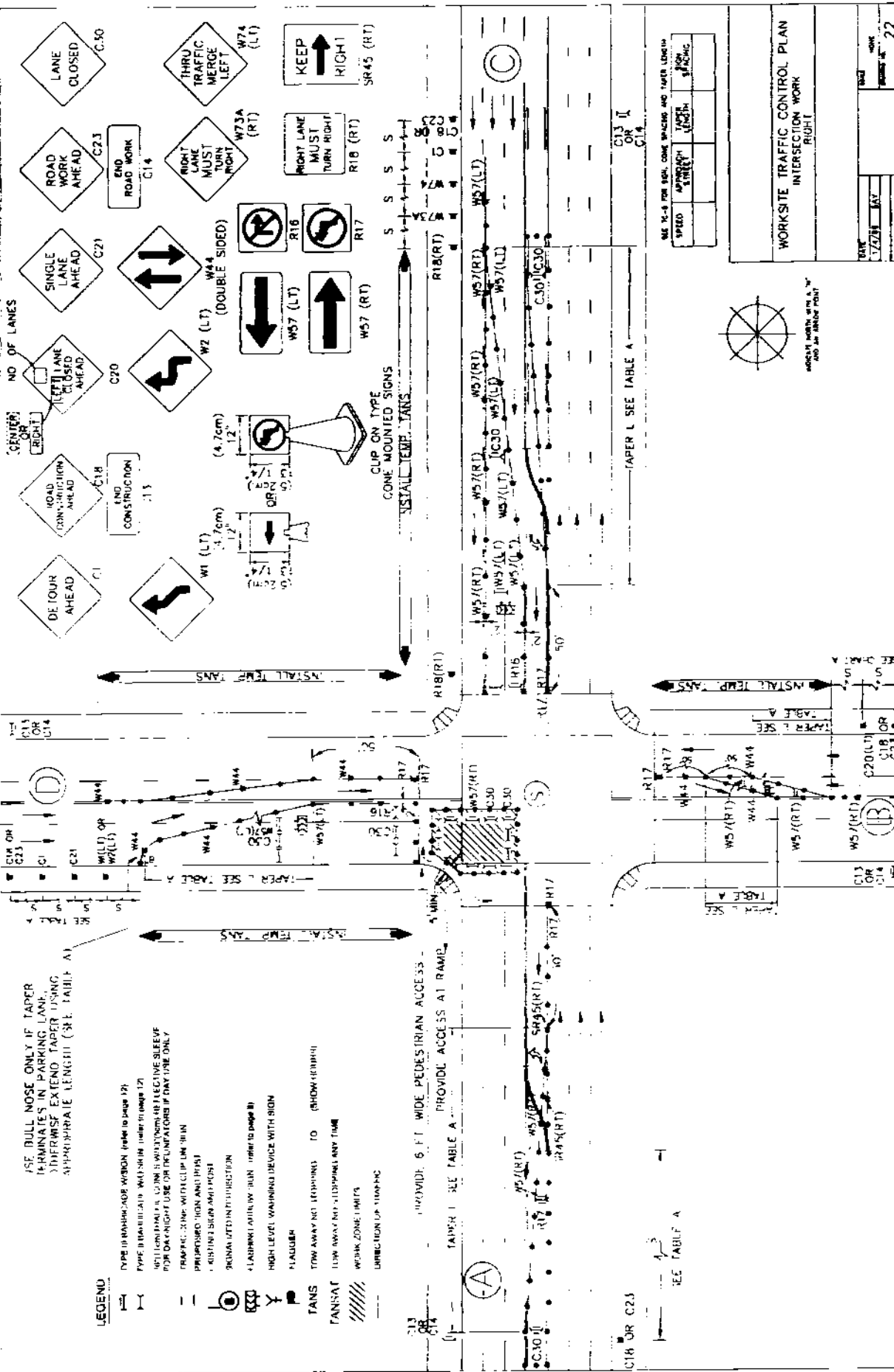
SEE TO-5 FOR SIGN DIMENSIONS AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	CONE SPACING

REF: WTCP-7/23

WORKSITE TRAFFIC CONTROL PLAN
INTERSECTION WORK CENTER

DATE	SCALE	NO. OF SHEETS
12/20	1/4"	20



USE BULL NOSE ONLY IF TAPER TERMINATES IN PARKING LANE
 (DIFFERSE) EXTEND TAPER USING APPROPRIATE LENGTHS (SEE TABLE A)

LEGEND

- TYPE 10 WORKZONE SIGN (refer to page 12)
- TYPE 11 REGULATED WORKZONE (refer to page 12)
- REFLECTIVE WHITE DIAMETER 18" REFLECTIVE SLEEVE FOR DAY-NIGHT USE OR REFLECTORS IF DAY USE ONLY
- FRANCIS CONE WITH CLIP ON SIGN
- PREPARED TOWN AND PORT
- EXISTING SIGN AND POST
- ORIGINATED IN DIRECTION
- FLASHING (AFTER BY SIGN) (refer to page 8)
- HIGH LEVEL WARNING DEVICE WITH SIGN
- FLASHER
- TANS TOW AWAY NO TETHERS TO (SHOW HOW)
- TANS/T LOW AWAY NO TETHERS ANY TIME
- WORK ZONE LIMITS
- DIRECTION OF TRAFFIC

(PROVIDE) 6 FT. WIDE PEDESTRIAN ACCESS
 PROVIDE ACCESS AT RAMPS
 TAPER L SEE TABLE A

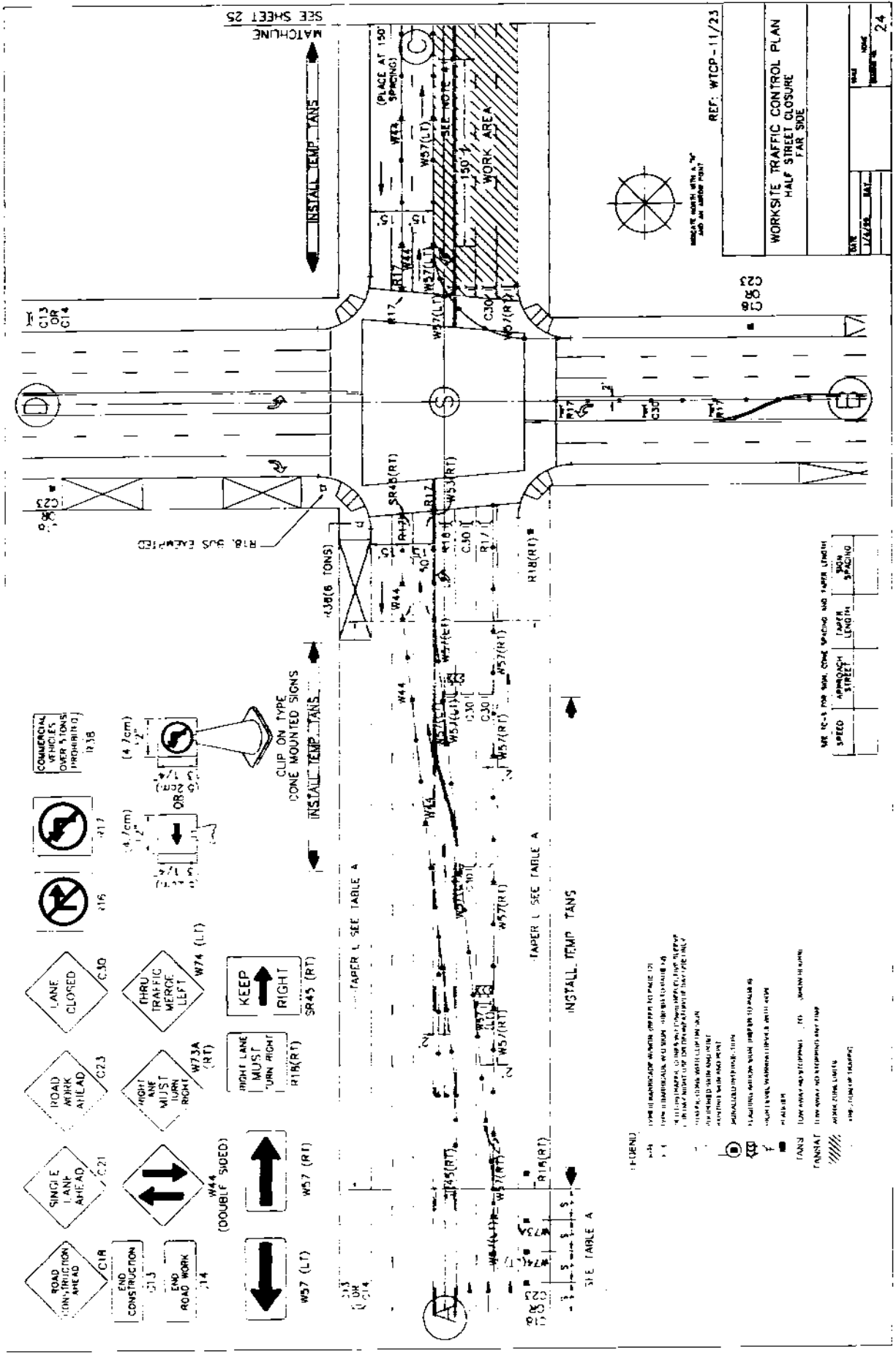
SEE TABLE A

NO.	SPEED	APPROACH SPEED	TAPER LENGTH	CON SPACING

TAPER L SEE TABLE A
 C13 OR C14



WORKSITE TRAFFIC CONTROL PLAN INTERSECTION WORK RIGHT			
DATE	DRAWN	CHECK	SCALE
1/27/88	BY	BY	22



REF: WTCP-11/23

WORKSITE TRAFFIC CONTROL PLAN
HALF STREET CLOSURE
FAR SIDE

TITLE	DATE	NO.
11/23/20	11/23	24

- COMMERCIAL VEHICLES OVER 5 TONS (PROHIBITED) R338
- CLIP ON TYPE CONE MOUNTED SIGNS
- INSTALL TEMP LANE
- W57 (LT)
 - W57 (RT)
 - W74 (LT)
 - W74 (RT)
 - W73A (RT)
 - SR45 (RT)
 - W57 (RT)
 - W57 (LT)
- (DOUBLE SIDED)
- W57 (LT)
- W57 (RT)

- LEGEND
- TYPE III WORKSHOP SIGN (SEE WTCP 10.1)
 - TYPE II SIGN (SEE WTCP 10.2)
 - TYPE I SIGN (SEE WTCP 10.3)
 - TYPE IV SIGN (SEE WTCP 10.4)
 - TYPE V SIGN (SEE WTCP 10.5)
 - TYPE VI SIGN (SEE WTCP 10.6)
 - TYPE VII SIGN (SEE WTCP 10.7)
 - TYPE VIII SIGN (SEE WTCP 10.8)
 - TYPE IX SIGN (SEE WTCP 10.9)
 - TYPE X SIGN (SEE WTCP 10.10)
 - TYPE XI SIGN (SEE WTCP 10.11)
 - TYPE XII SIGN (SEE WTCP 10.12)
 - TYPE XIII SIGN (SEE WTCP 10.13)
 - TYPE XIV SIGN (SEE WTCP 10.14)
 - TYPE XV SIGN (SEE WTCP 10.15)
 - TYPE XVI SIGN (SEE WTCP 10.16)
 - TYPE XVII SIGN (SEE WTCP 10.17)
 - TYPE XVIII SIGN (SEE WTCP 10.18)
 - TYPE XIX SIGN (SEE WTCP 10.19)
 - TYPE XX SIGN (SEE WTCP 10.20)
 - TYPE XXI SIGN (SEE WTCP 10.21)
 - TYPE XXII SIGN (SEE WTCP 10.22)
 - TYPE XXIII SIGN (SEE WTCP 10.23)
 - TYPE XXIV SIGN (SEE WTCP 10.24)
 - TYPE XXV SIGN (SEE WTCP 10.25)
 - TYPE XXVI SIGN (SEE WTCP 10.26)
 - TYPE XXVII SIGN (SEE WTCP 10.27)
 - TYPE XXVIII SIGN (SEE WTCP 10.28)
 - TYPE XXIX SIGN (SEE WTCP 10.29)
 - TYPE XXX SIGN (SEE WTCP 10.30)

SEE WTCP FOR SIGN, CONE SPACING AND TAPER LENGTH

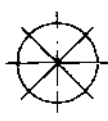
SPEED	APPROACH STREET	TAPER LENGTH	CONE SPACING

SEE SHEET 25
MATCHLINE

C13
OR
C14

883

883



SEE TABLE A
INSTALL TEMP TANS

TAPER L SEE TABLE A

TAPER L SEE TABLE A

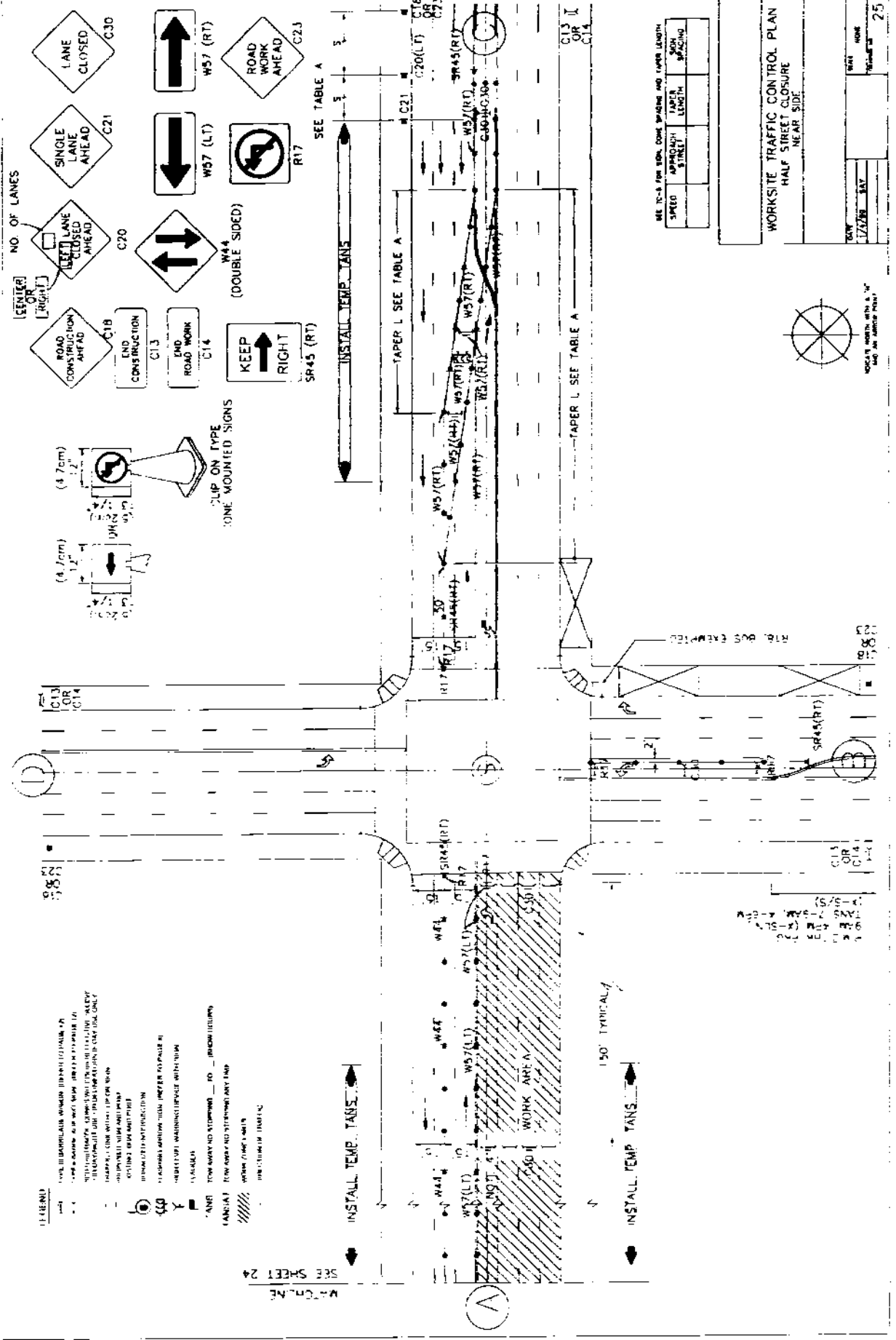
INSTALL TEMP LANE

INSTALL TEMP LANE

INSTALL TEMP LANE

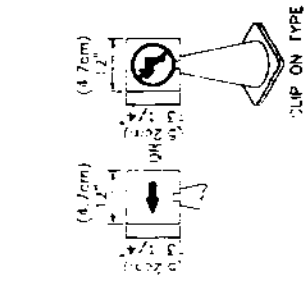
INSTALL TEMP LANE

INSTALL TEMP LANE



NO. OF LANES

[CENTER]	C20
[LEFT]	C21
[RIGHT]	C22



END CONSTRUCTION

END CONSTRUCTION	C13
END ROAD WORK	C14

ROAD WORK AHEAD

ROAD WORK AHEAD	C18
LANE CLOSED AHEAD	C20
SINGLE LANE AHEAD	C21
LANE CLOSED	C30

INSTALL TEMP TAPES

SEE TABLE A

W57 (RT) W57 (LT) R17

SR45 (RT) W44 (DOUBLE SIDED)

SP45 (RT)

KEEP RIGHT

ROAD WORK AHEAD

LANE CLOSED

SEE TABLE A

INSTALL TEMP TAPES

TAPER L SEE TABLE A

50' 50' 50' 50'

W57 (RT) W57 (LT) W44 (DOUBLE SIDED) SR45 (RT)

C13 OR C14

150' TYPICAL

INSTALL TEMP TAPES

C13 OR C14

SR45 (RT)

R17

SEE TABLE A FOR SIGN, COLOR, SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	SPACING

WORKSITE TRAFFIC CONTROL PLAN
HALF STREET CLOSURE
NEAR SIDE

DATE: 1/17/2018

BY: [Signature]

SCALE: [Blank]

NO. OF SHEETS: 25

SEE SHEET 24

W/CHLINE

1717

C13 OR C14

SR45 (RT)

R17

C13 OR C14

SR45 (RT)

R17

LEGEND

- TYPE III INDICATE WORKING (Refer to Table 1.2)
- TYPE IV INDICATE WORKING (Refer to Table 1.2)
- TYPE V INDICATE WORKING (Refer to Table 1.2)
- TYPE VI INDICATE WORKING (Refer to Table 1.2)
- TYPE VII INDICATE WORKING (Refer to Table 1.2)
- TYPE VIII INDICATE WORKING (Refer to Table 1.2)
- TYPE IX INDICATE WORKING (Refer to Table 1.2)
- TYPE X INDICATE WORKING (Refer to Table 1.2)
- TYPE XI INDICATE WORKING (Refer to Table 1.2)
- TYPE XII INDICATE WORKING (Refer to Table 1.2)
- TYPE XIII INDICATE WORKING (Refer to Table 1.2)
- TYPE XIV INDICATE WORKING (Refer to Table 1.2)
- TYPE XV INDICATE WORKING (Refer to Table 1.2)
- TYPE XVI INDICATE WORKING (Refer to Table 1.2)
- TYPE XVII INDICATE WORKING (Refer to Table 1.2)
- TYPE XVIII INDICATE WORKING (Refer to Table 1.2)
- TYPE XIX INDICATE WORKING (Refer to Table 1.2)
- TYPE XX INDICATE WORKING (Refer to Table 1.2)
- TYPE XXI INDICATE WORKING (Refer to Table 1.2)
- TYPE XXII INDICATE WORKING (Refer to Table 1.2)
- TYPE XXIII INDICATE WORKING (Refer to Table 1.2)
- TYPE XXIV INDICATE WORKING (Refer to Table 1.2)
- TYPE XXV INDICATE WORKING (Refer to Table 1.2)
- TYPE XXVI INDICATE WORKING (Refer to Table 1.2)
- TYPE XXVII INDICATE WORKING (Refer to Table 1.2)
- TYPE XXVIII INDICATE WORKING (Refer to Table 1.2)
- TYPE XXIX INDICATE WORKING (Refer to Table 1.2)
- TYPE XXX INDICATE WORKING (Refer to Table 1.2)

PREPARED SIGN AND POST

2-DIMENSIONAL SIGN AND POST

SIGNALIZED INTERSECTION

FLASHING ARROW SIGN (Refer to Table 1.2)

REVERSIBLE WARNING DEVICE WITH SIGN

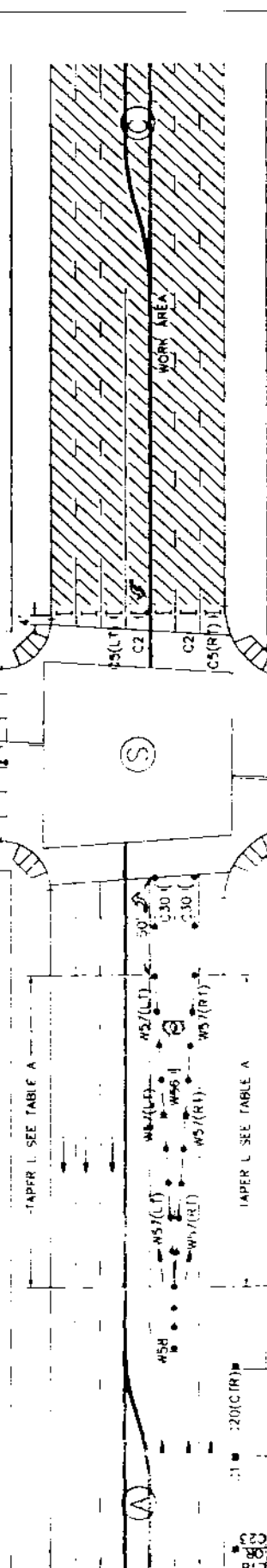
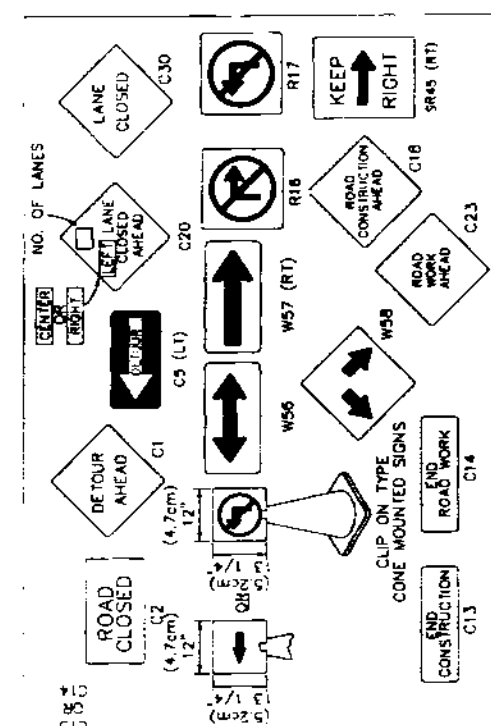
FLAIGHT

TANS (Refer to Table 1.2)

TANSAT (Refer to Table 1.2)

WORK ZONE LIMITS

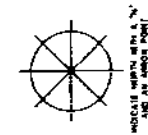
IMPROVEMENT TRAFFIC



SEE TABLE A FOR SIGN CODE, SHIELDING AND TAPER LIMITS

SPEED	APPROACH	TAPER	WORK















WORKSITE TRAFFIC CONTROL PLAN
FULL STREET CLOSURE

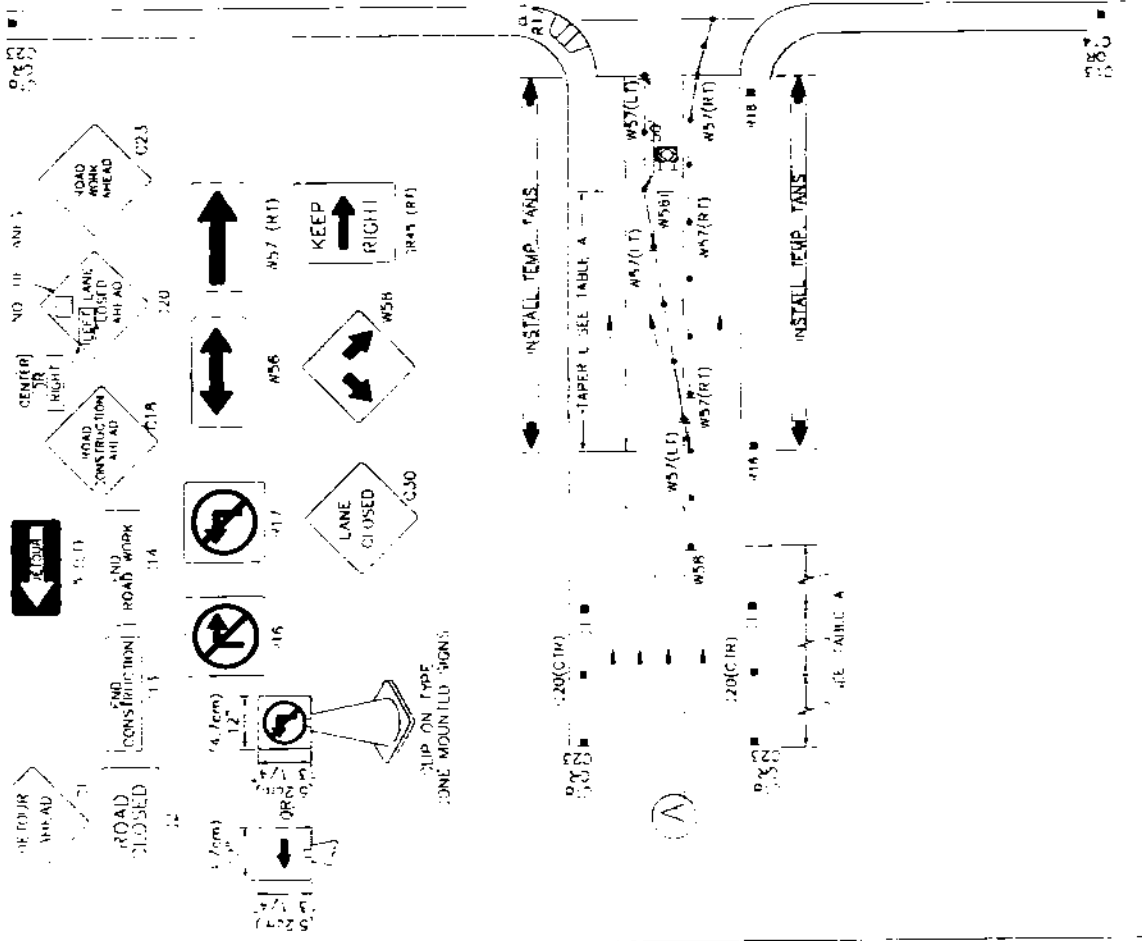


DATE: 01/24/18 06:47 AM

PROJECT: 26

LEGEND

-  TYPE III BARRICADE W/ SIGN (refer to page 12)
-  TYPE II BARRICADE W/O SIGN (refer to page 12)
-  ZVI (NON-TRAFFIC CONES W/13/30cm) REFLECTIVE BELLEVUE FOR DAY/NIGHT USE OR DELINEATORS IF DAY USE ONLY
-  TRAFFIC ZONE WITH CLIP ON SIDE
-  PROPOSED SIGN AND POST
-  EXISTING SIGN AND POST
-  SIGNALIZED INTERSECTION
-  FLASHING ARROW SIGN (refer to page 8)
-  HIGH LEVEL WARNING DEVICE WITH SIGN
-  FLAGGER
-  TOW AWAY NO STOPPING -- TO -- (SHOW HOUR)
-  TOW AWAY NO STOPPING ANY TIME
-  WORK ZONE UNIT
-  DIRECTION OF TRAFFIC



SEE 10-9 FOR SIGN CODES, SPACING AND TAPER LENGTHS

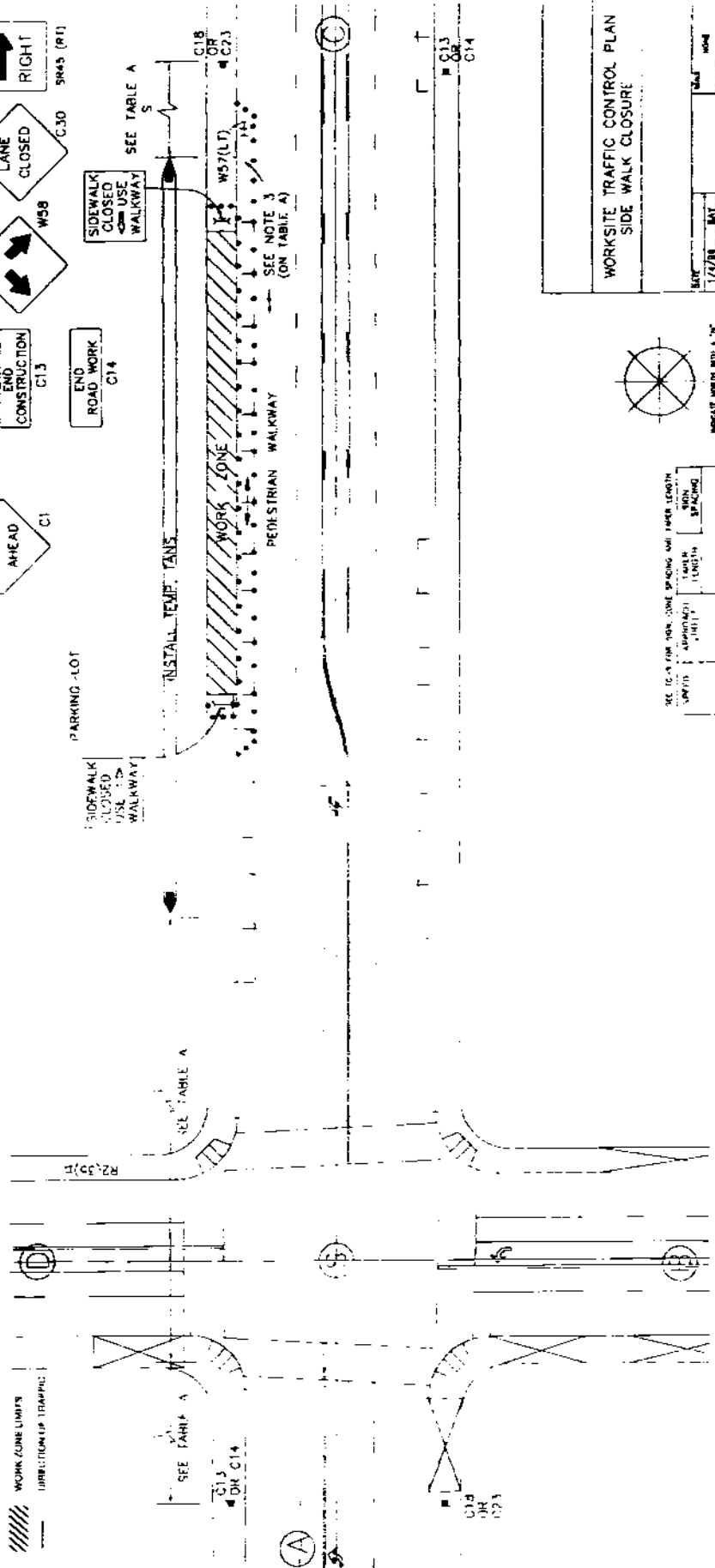
SPEED	APPROACH STREET	TAPER LENGTH	WORK ZONE SPACING

WORKSITE TRAFFIC CONTROL PLAN
FULL STREET CLOSURE
ONE WAY STREET

DATE: 1/27/24
 DRAWN BY: [Signature]
 PROJECT NO: 27

- LEGEND**
- TYPE B BACKGROUND WORKER (refer to page 12)
 - TYPE B WORKER (refer to page 12)
 - REFLECTIVE CONE - WITH CONE REFLECTOR (refer to page 12)
 - TRAFFIC CONTROL SIGNALS (refer to page 12)
 - TRAFFIC CONTROL SIGNALS (refer to page 12)
 - PROPOSED SIGN AND MOUNT (refer to page 12)
 - INSTALL SIGN AND MOUNT (refer to page 12)
 - SIGNALIZED INTERSECTION (refer to page 12)
 - FLASHING ARROW SIGN (refer to page 12)
 - HIGH LEVEL WARNING SURFACE WITH SIGN (refer to page 12)
 - FLAGGER (refer to page 12)
 - TOW AWAY NO STOPPING TO (SHOW HOURS)
 - TOW AWAY NO STOPPING ANY TIME
 - WORK ZONE LIMITS
 - WORK ZONE TRAPPING

- (4.7cm) (4.7cm)
- C5 (LT)
- CLIP ON TYPE LINE MOUNTED SIGNS
- C18
- C19
- C20
- C21
- C22
- NO. OF LANES
- ROAD CONSTRUCTION AHEAD
- LANE CLOSED AHEAD
- LANE CLOSED
- END CONSTRUCTION
- END ROAD WORK
- DETOUR AHEAD
- KEEP RIGHT
- W57 (RT)
- W58
- R17
- R18
- G13
- C14
- C1
- G15
- G16
- G17
- G18
- G19
- G20
- G21
- G22
- G23
- S845 (RT)
- C30
- W57 (LT)
- SEE NOTE 3 (ON TABLE A)



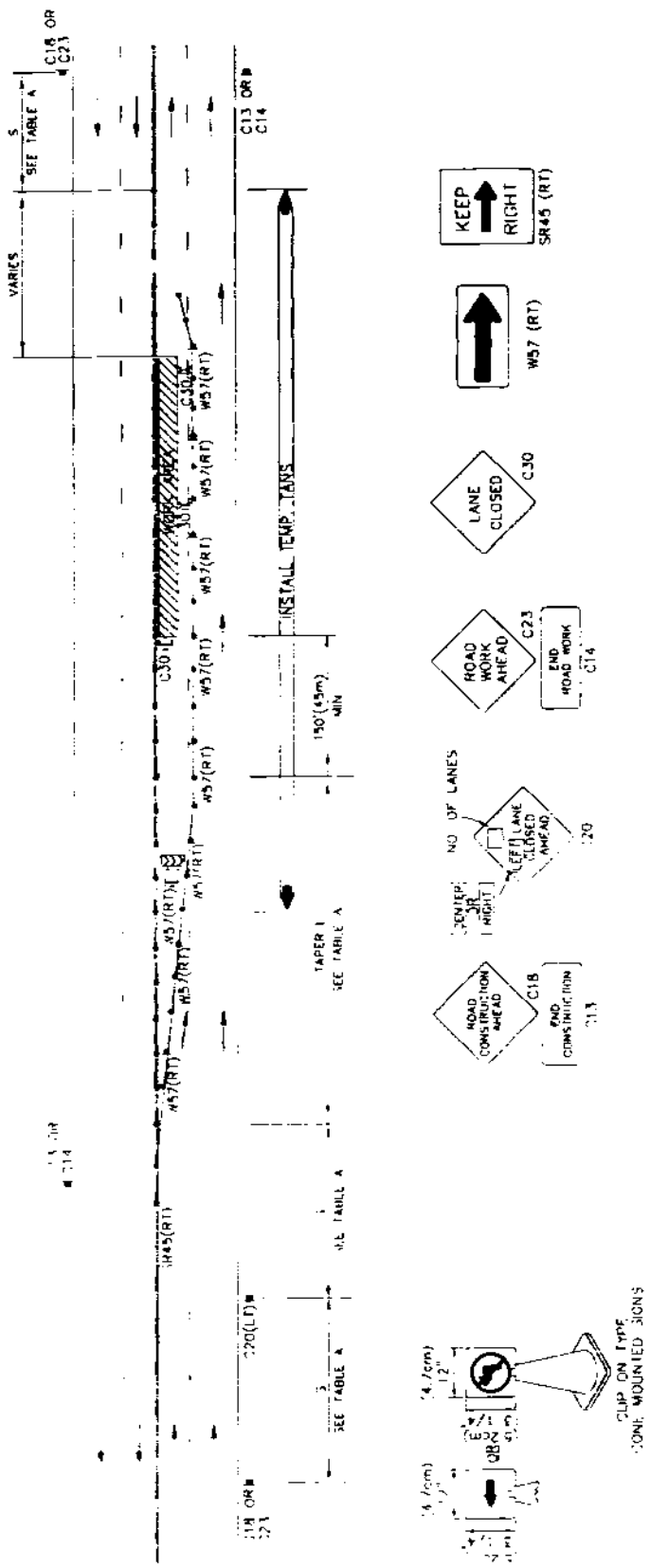
SEE TABLE FOR SIGN, CONE SPACING AND TAPER LENGTHS

APPROACH	LANE LENGTH	CONE SPACING	CONE LENGTH

INDICATE SIGNS WITH 1" TAPES OR 1/2" DIA. PINS

WORKSITE TRAFFIC CONTROL PLAN
SIDE WALK CLOSURE

DATE	NO.
1/1/88	28

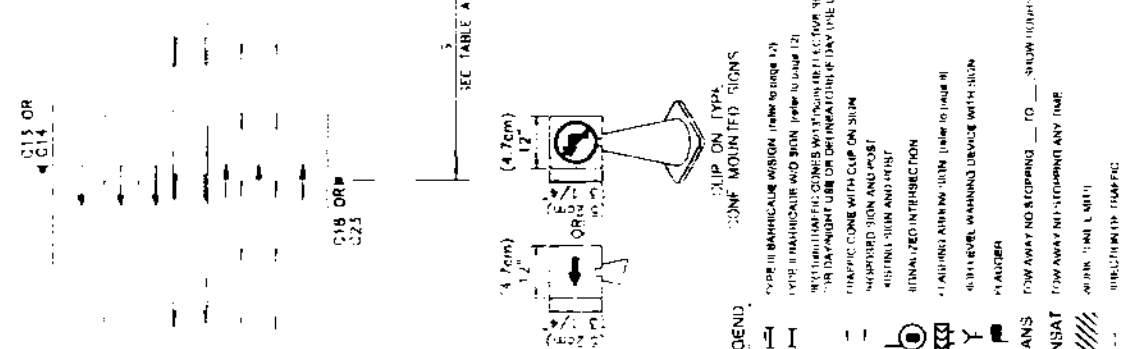
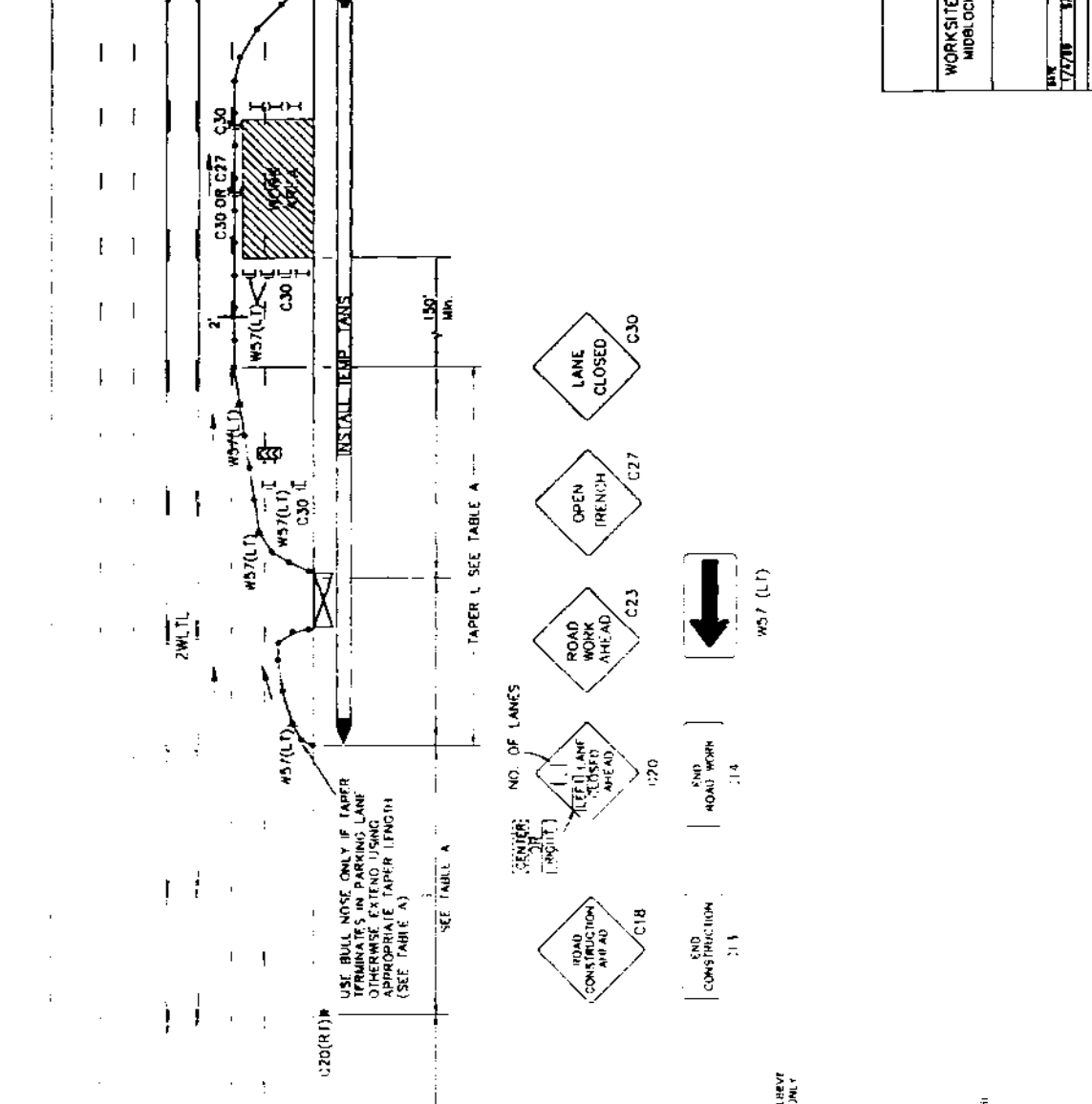


LEGEND

	TYPE II BARRICADE WIDTH (refer to page 12)
	TYPE III BARRICADE WIDTH (refer to page 12)
	WORK ZONE LIMITS (WORKING SECTION) USE ONLY DURING DAYTIME (3:00 AM - 4:00 PM)
	WORK ZONE LIMITS (WORKING SECTION) USE ONLY DURING NIGHTTIME (4:00 PM - 5:00 AM)
	TRAFFIC SIGNAL WITH CLIP ON SIGN
	PROPRIETARY SIGN AND POST
	REFLECTIVE SIGN AND POST
	HORIZONTAL INTERSECTION
	FLASHING ARROW SIGN (refer to page 14)
	RIGHT TURN WARNING DEVICE WITH SIGN
	FLASHING
	STOP AWAY NO STOPPING TO SHOW HOURLY
	TANGENT STOP AWAY NO STOPPING ANY TIME
	WORK ZONE LIGHTS
	WORK STOPPING TRAFFIC

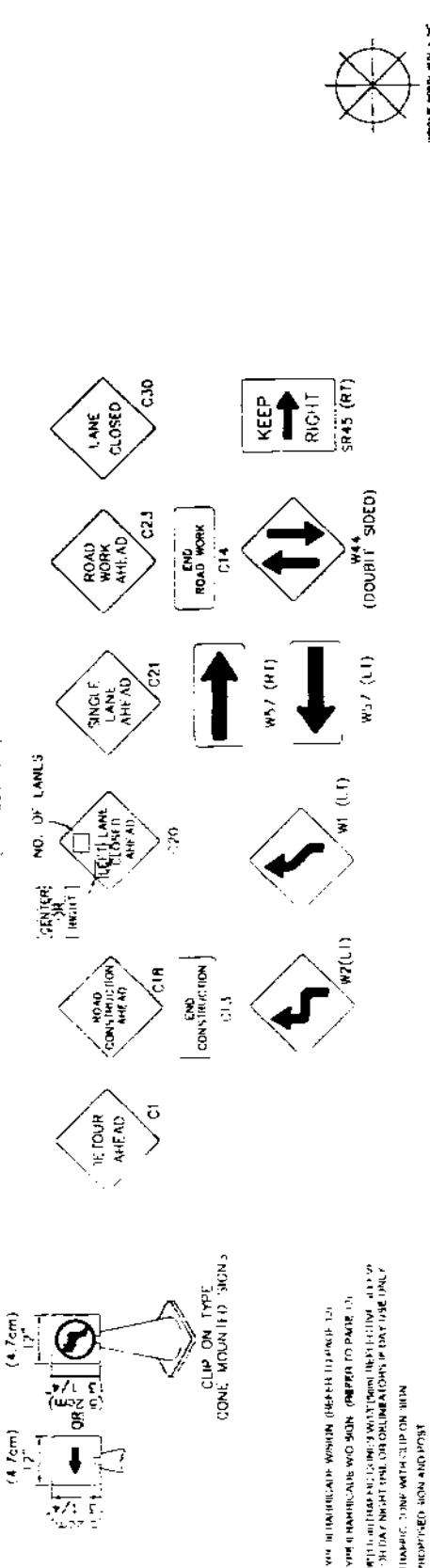
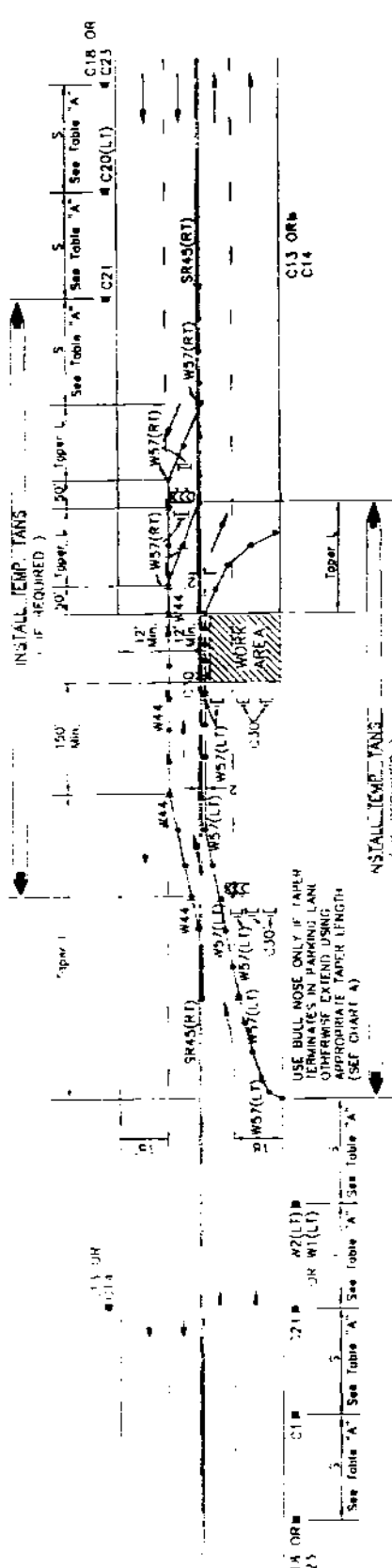
SEE TO-1 FOR SIGN, CONE SPACING AND TAPER LENGTH

SPEED	APPROACHING STREET	LANE LENGTH	CONE SPACING



- LEGEND:**
- TYPE III BARRICADE WORK SIGN (Refer to Table 1.1)
 - TYPE II BARRICADE WORK SIGN (Refer to Table 1.2)
 - TEMPORARY TRAFFIC CONTROL SIGN WITH NIGHTTIME REFLECTIVE SHEET FOR DAY/NIGHT USE OR DRINK/ATOR/DIE/DAY USE ONLY
 - TRAFFIC CONE WITH CLIP ON SIGN
 - WARNING SIGN AND POST
 - SIGNALIZED INTERSECTION
 - FLASHING ARROW SIGN (Refer to Table 3)
 - SPEED LIMIT WARNING DEVICE WITH SIGN
 - PLAQUE
 - TANS FLOW AWAY NO STOPPING TO SLOW TRAFFIC
 - TANSAT FLOW AWAY NO STOPPING ANY TIME
 - WORK ZONE LANE
 - UNOBSTRUCTED TRAFFIC
- CLIP ON TYPE CONE MOUNTED SIGN**
- ROAD CONSTRUCTION AHEAD C18
 - LEFT LANE CLOSED AHEAD C20
 - ROAD WORK AHEAD C23
 - OPEN TRENCH C27
 - LANE CLOSED C30
- NO. OF LANES**
- END CONSTRUCTION C13
 - END ROAD WORK C14
 - W57 (LT)





LEGEND

1. ALL SIGNS MUST BE PLACED IN THE RIGHT HAND SIDE OF THE ROAD UNLESS OTHERWISE NOTED.

2. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

3. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

4. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

5. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

6. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

7. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

8. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

9. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

10. ALL SIGNS MUST BE PLACED AT THE SPECIFIED DISTANCES FROM THE WORK AREA.

WORKSITE TRAFFIC CONTROL PLAN
MIDBLOCK CLOSURE
FOR ONE DIRECTION OF TRAFFIC

DATE: 1/1/00

DRAWN BY: [Blank]

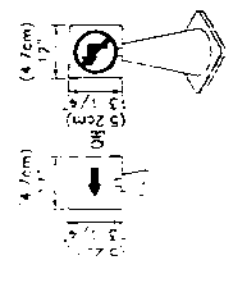
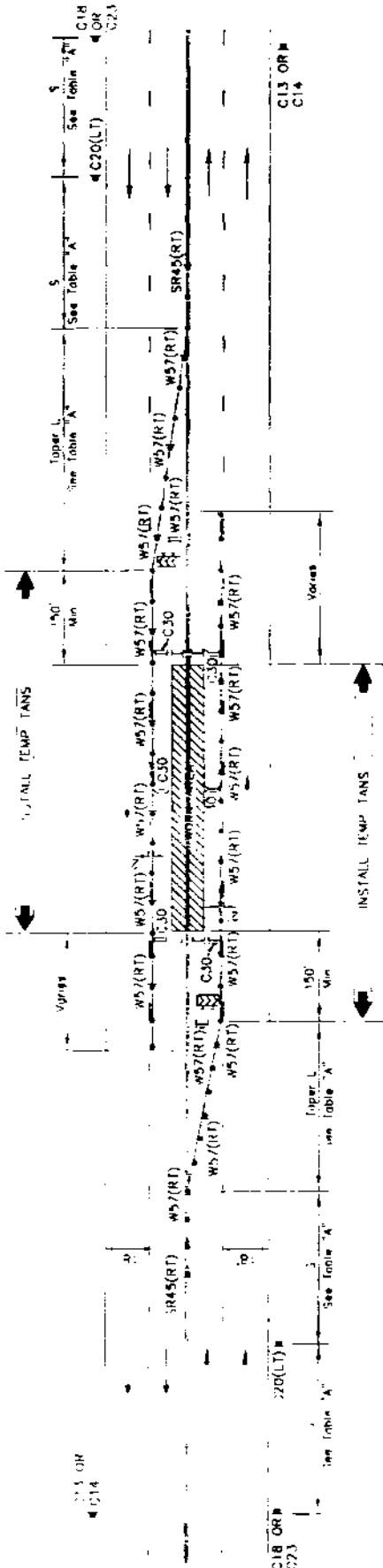
CHECKED BY: [Blank]

SCALE: 1:100

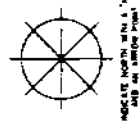
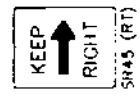
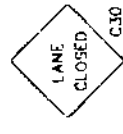
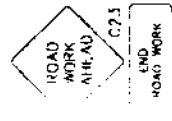
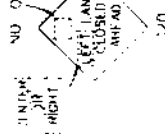
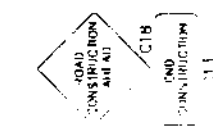
SHEET NO. 3.3

SEE TABLE A FOR SIGN, CONE SPACING AND TAPER LENGTH

SIGN TYPE	SPEED	APPROACH STREET LENGTH	WORK AREA LENGTH	CONE SPACING
C1				
C1R				
C21				
C23				
C30				
C14				
C11				
W7 (L)				
W7 (R)				
W57 (R)				
W57 (L)				
SR45 (RT)				














CLIP ON TYPE ZONE MOUNTED SIGNS



LEGEND AND SYMBOLS SHALL BE AS SHOWN HEREON

LEGEND

-  TYPE III ZONE MOUNTED SIGN (PERMIT TO PAUSE)
 -  TYPE I SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
 -  TYPE III SIGN ON POST (PERMIT TO PAUSE)
- FLASHING ARROW SIGN (PERMIT TO PAUSE)
- RIGHT SIDE WARNING FORCE APPLICATION
- FLASHERS
- DOWN AWAY FROM SIGN TO ... (WORK HOURS)
- DOWN AWAY FROM SIGN AT ALL TIMES ANY TIME
- WORK ZONE LIMITS
- UNIDIRECTIONAL TRAFFIC

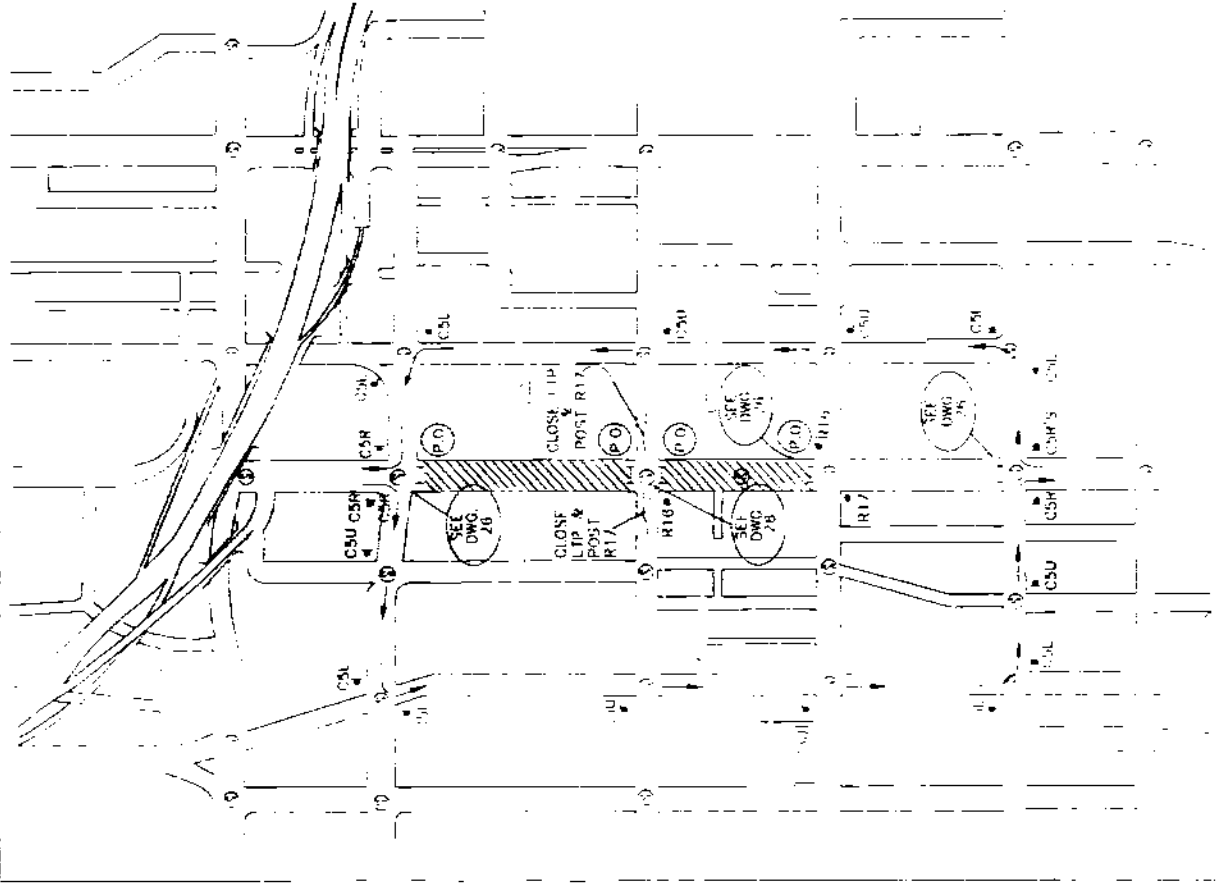
WORKSITE TRAFFIC CONTROL PLAN
MIDBLOCK NO. 1 LANE CLOSURE, FOR BOTH
DIRECTIONS OF TRAFFIC

SEE 10-1 FOR SIGN, COLOR, SPACING AND TAPER LENGTH	
SPEED	STREET
30	
40	
50	
60	
70	
80	
90	
100	
110	
120	

DATE	DRAWN BY		SCALE	SHEET NO.	TOTAL SHEETS
	DATE	BY			

LEGEND:

- P.O. - POLICE OFFICER
- CS - DETOUR (L-LEFT, R-RIGHT, U-UP)
- - DIRECTION OF DETOUR
- Ⓢ - TRAFFIC SIGNAL



REF: WICP-23/25

WORKSITE TRAFFIC CONTROL PLAN
 SAMPLE TRAFFIC CIRCULATION PLAN

DATE	TIME	SCALE