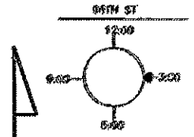
RISER DETAIL



1187209E
RISER: 30'
RUN: 71'
TOTAL 101'

T.L.M. DATA: 4796456E	SIZE	KVA	CUST	% LOAD
EXIST.	50	48.1	19	96.2 %
PROP.	50	54	20	108.0%

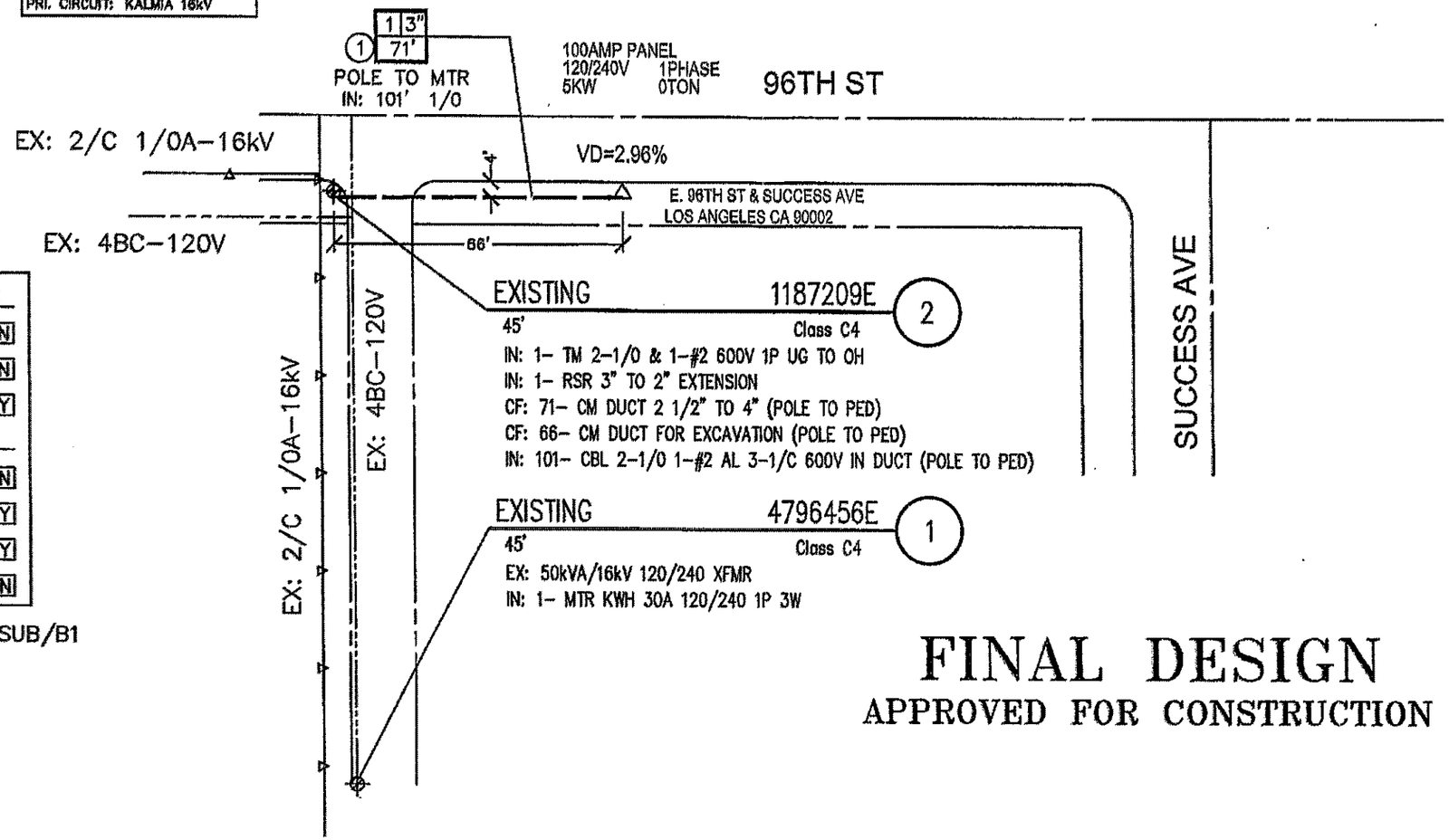
VOLTAGE DROP: 2.96
FLICKER FACTOR: N/A
PRI. CIRCUIT: KALMIA 16kV

SR# 1725361
SAP# TD812688
MSR# 7283425
SITE# 9214756

NOTES:
NEW FIBER CABINET ADDRESS TO BE DETERMINED BY MUNICIPALITY

CUSTOMER NOTES:
TRENCH FROM PEDESTAL TO POLE, INSTALL RISER BEND AND CONDUIT. CONTACT IMS INSPECTION PRIOR TO BACKFILL

SCE CREW NOTES:
INSTALL RISER, PULL CABLE EITHER DIRECTION, INSTALL METER



PROJECT REQUIREMENTS

EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED	N
PERMIT REQUIRED	Y
PERMIT TYPE: ENCROACHMENT	
OUTAGE REQUIRED	N
TRAFFIC CONTROL REQUIRED	Y
PED. TRAFFIC CONTROL REQ'D	Y
CONVEYANCE LETTER REQ'D	N

KALMIA 16kV % CALDEN SUB/B1

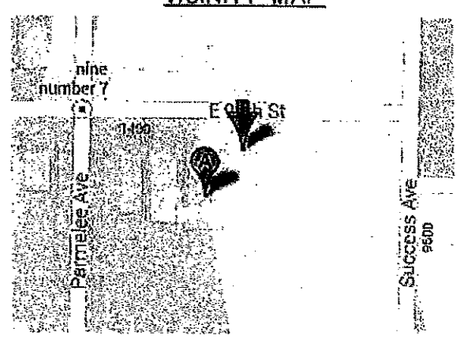
FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONTACT SCE INSPECTOR 48 HOURS IN ADVANCE FOR SCE INSPECTIONS
EMAIL: IMS@SCE.COM

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

SCALE: 1" = 30'
0 30 60

VICINITY MAP



DISTRICT	PROJ. MGR.	PLANNER
32 – COMPTON	GERBER, KIM PHONE 909-421-5455	MEDINA, GARRETT PHONE 626-308-6985

FOREMAN	TRUCK NO.	P/E	INVENTORY MAP NO.	THOMAS GUIDE	GRID NO.	DESIGN NO.
			092-4212-1	704 F4		567697_0.01

CSD 140 Y___ N___	BY-PASS CODE	EXISTING ___ CHANGE TO ___	TLM CHECKED ___ %LOAD	J.P.A. NO.	ASSOCIATED DESIGN NO.

PRODUCT/SAP NO.	PRODUCT/SAP NO.	PRODUCT/SAP NO.
812688-NEW METER & SERVICE		

TYPE	APPROVED BY	DATE	CHECKED BY	DRAWN BY	PAX #

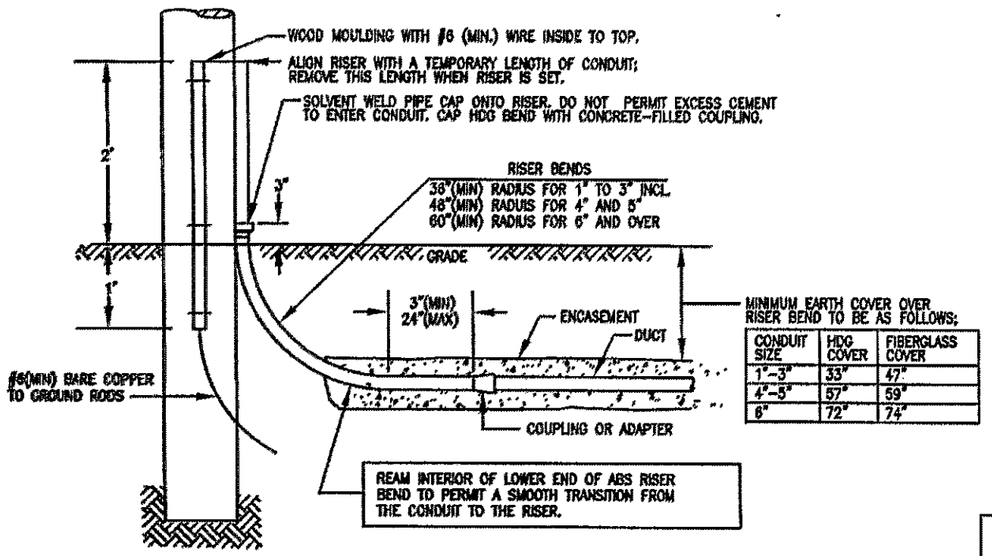
Southern California Edison Company

PROPOSED CONSTRUCTION (LOCATION)
AT&T SITE#: 9214756
XSTRT E. 96TH ST & SUCCESS AVE
LOS ANGELES CA 90002

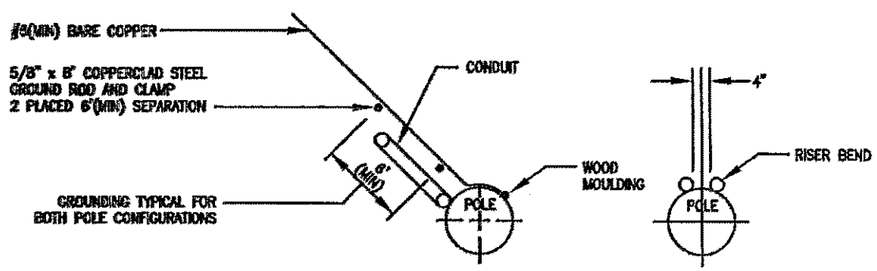
SHEET 2 OF 2

JOB NO. 567697_0.01

POLE RISER BEND STANDARD LOCATION
SEE UGS CD 160



CONDUIT SIZE	HDG COVER	FIBERGLASS COVER
1"–3"	33"	47"
4"–5"	57"	59"
6"	72"	74"



1. APPROVED RISER BENDS ARE SHOWN ON FOLLOWING TABLE;

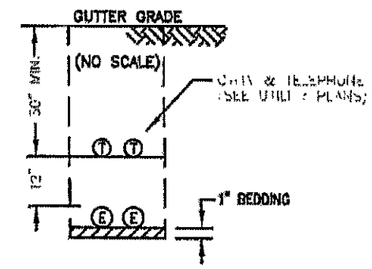
MATERIAL	SIZE 1"	1–1/2"	2"	2–1/2"	3"	4"	5"	6"
ABS	–	–	–	X	X	X	X	–
FIBERGLASS	–	–	–	–	X	X	X	X
HDG	X	X	X	X	X	X	X	X

NOTE: 6" HDG OR FIBERGLASS RISER BEND SHALL BE USED WHEN SPECIFIED ON THE WORKING DRAWING. SEE UGS AC 702 FOR GROUNDING HDG RISER BENDS.

2. THE TOP AND BOTTOM OF 3", 4", 5" OR 6" FIBERGLASS BENDS ARE FURNISHED WITH PERMANENTLY ATTACHED PVC COUPLINGS. ALSO INCLUDED IS A 6" LONG 3", 4", 5" OR 6" SCHEDULE 80 PVC STUB-OUT, SOLVENT WELDED INTO THE TOP COUPLING. SEE UGS CD 166 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
3. TWO GROUND RODS ARE REQUIRED AT ALL PRIMARY RISER POLES. DRIVE RODS IN TRENCH BOTTOM WITH 6' MINIMUM SEPARATION IN UNDISTURBED EARTH. LEAVE THE ROD TOPS 3" ABOVE THE TRENCH BOTTOM AND ATTACH CONTINUOUS GROUND WIRE WITH CLAMPS. EXTEND WIRE TO INDICATED LOCATION ON POLE AND STUB UP 2' ABOVE GRADE IN WOOD MOULDING. ALL GROUNDING MATERIALS FURNISHED BY CONTRACTORS. SEE UGS AC 703 FOR APPROVED GROUNDING MATERIALS.
4. ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING.
5. PVC RISERS MAY BE SUBSTITUTED FOR FIBERGLASS FOR STRAIGHT RUNS OF 150' OR LESS IN CONDUIT SIZES 4" AND UNDER.

D7B: REV. 02/14/11

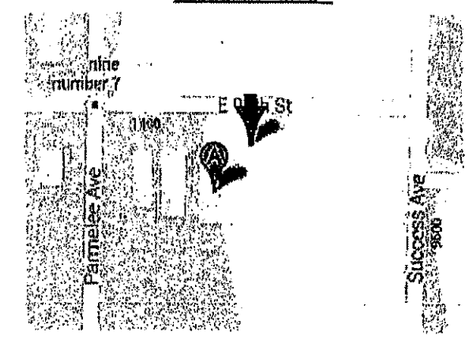
TYPICAL CONDUIT SECTION JOINT WITH CATV & TELE
SEE UGS CD 120



OB1–J REV. 09/23/09

SR# 1725361
SAP# TD812688
MSR# 7283425
SITE# 9214756

VICINITY MAP



WARNING

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE, HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONDUIT RADIUS REQUIREMENTS:

A: The minimum radius for bends are:
36" for conduits 3" in diameter or smaller
48" for conduits 4" and 5" in diameter
60" for 6" diameter conduit

B: The minimum radius for sweeps are:
36" for conduits 3" in diameter or smaller
12'–6" for conduits 4" in diameter and larger, unless otherwise noted.

CONTACT SCE INSPECTOR 48 HOURS IN ADVANCE FOR SCE INSPECTIONS
EMAIL: IMS@SCE.COM

UNDERGROUND SERVICE ALERT
1–800–422–4133
or
1–800–227–2600
Call USA
For Underground Locating
2 Working Days Before You Dig

DISTRICT 32 – COMPTON	PROJ. MGR. GERBER, KIM PHONE 909–421–5455	PLANNER MEDINA, GARRETT PHONE 626–308–6965	
FOREMAN	TRUCK NO. / P/E / INVENTORY MAP NO. 092–4212–1	THOMAS GUIDE 704 F4 / GRID NO.	DESIGN NO. 567697_0.01
CSD 140 Y___ N___ / BY-PASS CODE	EXISTING ___ CHANGE TO ___	TLM CHECKED ___ %LOAD / J.P.A. NO.	ASSOCIATED DESIGN NO.
PRODUCT/SAP NO. 812688-NEW METER & SERVICE	PRODUCT/SAP NO.	PRODUCT/SAP NO.	

TYPE	APPROVED BY	DATE	CHECKED BY	DRAWN BY	PAX #

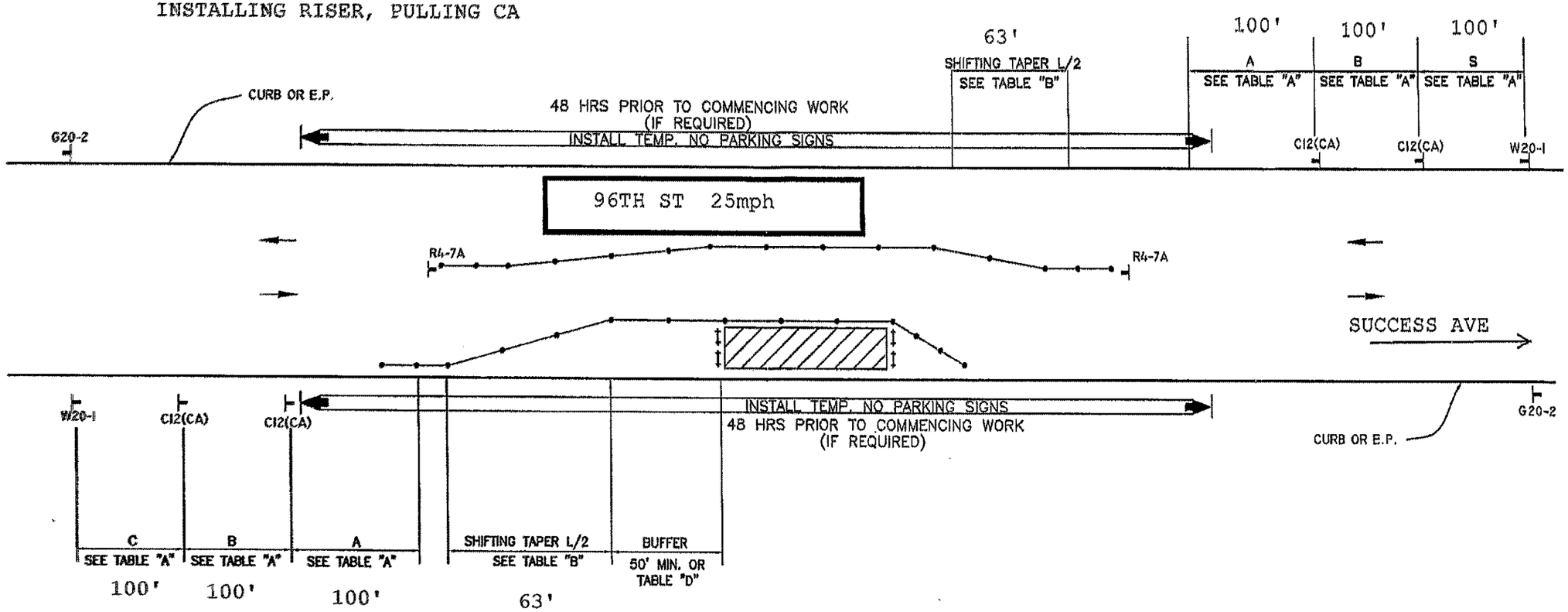
PROPOSED CONSTRUCTION (LOCATION)
AT&T SITE#: 9214756
XSTRT E. 96TH ST & SUCCESS AVE
LOS ANGELES CA 90002

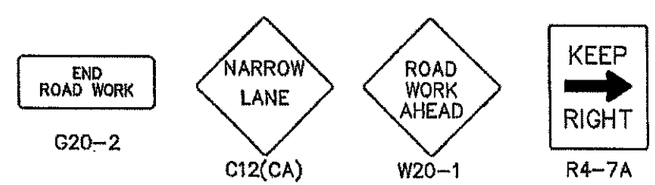
SHEET 1 OF 2

JOB NO. 567697_0.01

Southern California Edison Company

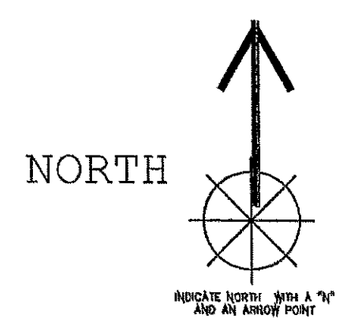
SCOPE OF JOB:
INSTALLING RISER, PULLING CA





LEGEND

- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/O SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- SIGN
- (S) SIGNALIZED INTERSECTION
- ARROW PANEL (FLASHING ARROW) (WHERE REQUIRED)
- HIGH LEVEL WARNING DEVICE (FLAGTREE) (OPTIONAL)
- FLAGGER
- TANS TOW AWAY NO STOPPING ___ TO ___ (SHOW HOURS)
- TANSAT TOW AWAY NO STOPPING ANY TIME
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)
- (A) ROADWAY DESIGNATION (A THROUGH D)



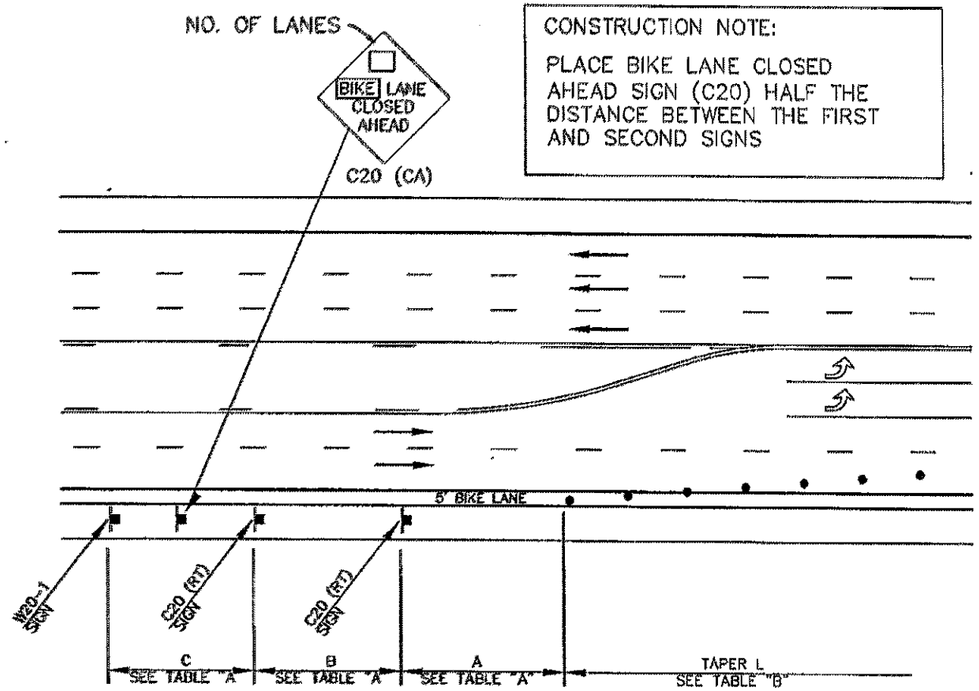
DATES OF TEMPORARY NO PARKING ZONE

TD812688

WORKSITE TRAFFIC CONTROL PLAN
SIDE OF ROAD WORK
TWO LANE TRAFFIC CONTROL
WITHOUT CENTERLINE

DATE		SCALE NONE
		DRAWING NO. 1

REV. APR-2010 CAUTION-SWSDI.DWG



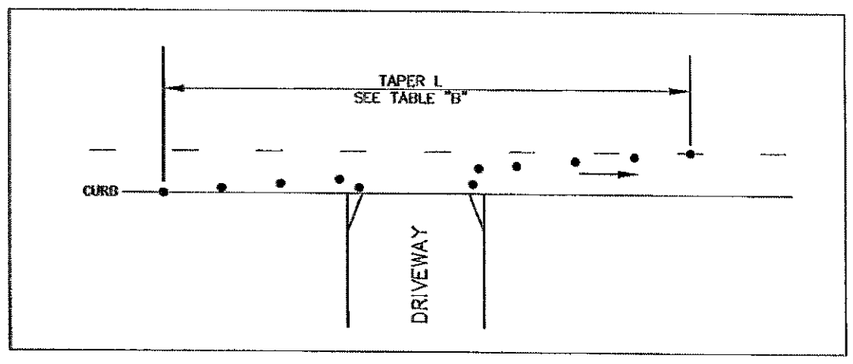
CONSTRUCTION NOTE:

PLACE BIKE LANE CLOSED AHEAD SIGN (C20) HALF THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS

PLACEMENT OF BIKE LANE CLOSURE SIGN
(IF NECESSARY)

CONSTRUCTION NOTE:

ALL DRIVEWAYS TO REMAIN OPEN (WHENEVER POSSIBLE) THROUGHOUT TRAFFIC CONTROL ZONE



SEE TABLE 'A'–'F' FOR SIGN AND CHANNELIZER DEVICE SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	SIGN SPACING	CHANNELIZER SPACING
25mph	SUCCESS	63'	100'	25' 63'

SEE TABLE 'A'–'F' FOR SIGN AND CHANNELIZER DEVICE SPACING AND TAPER LENGTH

SPEED	APPROACH STREET	TAPER LENGTH	SIGN SPACING	CHANNELIZER SPACING

ABBREVIATIONS:

S = Sign Spacing
Min = Minimum
LT = Left
RT = Right
LTP = Lane Traffic Panel
TANSAT = Tow Away, No Stopping Anytime
TANS = Tow Away, No Stopping

CHART A
MINIMUM RECOMMENDED DELINEATOR/CONE & SIGN PLACEMENT

POSTED SPEED LIMIT	TAPER LENGTH FOR 12-FT LANE			CHANNELIZER SPACING		SIGN SPACING (ADVANCE OF TAPER & BETWEEN SIGNS)
	MERGING	SHIFTING	SHOULDER	TAPER	TANGENT	
20 MPH	80 FT.	40 FT.	27 FT.	20 FT.	40 FT.	100 FT.
25 MPH	125 FT.	63 FT.	42 FT.	25 FT.	63 FT.	100 FT.
30 MPH	180 FT.	90 FT.	60 FT.	30 FT.	90 FT.	350 FT.
35 MPH	245 FT.	123 FT.	82 FT.	35 FT.	123 FT.	350 FT.
40 MPH	320 FT.	160 FT.	107 FT.	40 FT.	160 FT.	350 FT.
* 45 MPH	540 FT.	270 FT.	180 FT.	45 FT.	270 FT.	500 FT.
* 50 MPH	600 FT.	300 FT.	200 FT.	50 FT.	300 FT.	500 FT.
* 55+MPH	660 FT.	330 FT.	220 FT.	55 FT.	330 FT.	PER TABLE 'A'

NOTES

1. A Flashing Arrow sign shall be used for each lane closed.
*2. Two lane closure signs (C–20) shall be used on the approach to a lane closure with speeds of 45 mph or greater.

NOTE: This chart based on 12–foot wide lanes. For lane widths greater than 12 feet, use the following formulae:

Taper formula:

$L = S \times W$ for speeds of 45 mph or more.

$L = \frac{WS^2}{60}$ for speeds of 40 mph or less.

Where:

L = Minimum length of taper.
S = Numerical value of posted speed limit prior to work or 85 percentile speed.
W = Width of offset.

i.e.: 50 mph and 19' lane; $L = 50 \times 19 = 950$ feet