



THE CITY OF SAN DIEGO

Traffic Control Permit (TCP) Multiple Location List

(Franchise Utility Company Only - May Not Be submitted By Contractor)

APPROVED
TRAFFIC CONTROL PERMIT
APR 24 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

To: City of San Diego, Traffic Permit Section

Date: 04/23/2018

From: (Company): SDG&E

Phone No.: 619-778-2405

Contact Person: Rod Nelson

Fax.: _____

W.O. or Account #: Permit # _____

TCP No. _____

City Use Only

Authorized # _____

By Felipe Arillo

Yes No _____

Date Reviewed 4/24/18

TYPE OF WORK

- 1 = Lane Closure
- 2 = Street Closure
- 3 = Sidewalk Closure
- 4 = Alley Closure
- 5 = Parking Lane
- 6 = Detour
- 7 = Trenching
- 8 = Flagging

Location	From	To	Start Date *	End Date *	Work Hours **	Thomas Bros.	Type of Work
Kearny Mesa Road	Miramar Road	End of Kearny Mesa Road (cul-de-sac)	4/30/18	5/19/18	7:00AM - 5:30PM	1208-D7, E7, F7	1,5,7,8
Miramar Road	Kearny Villa Road	Kearny Mesa Road	4/30/18	5/19/18	7:00AM - 5:30PM	1208-E7	8

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

Comments: Phase SD-2 and SD-3 ONLY; Monday through Saturday, Daytime work hours 7:00AM to 5:30PM; Includes Saturdays, 5/5, 5/12 and 5/19

Must be submitted a minimum of 2 working days prior to start of work. All columns must be filled out for proper authorization

Fax or mail to: City of San Diego • Traffic Control Permit Section • 1222 First Avenue, MS 501 • San Diego, CA 92101. Fax (619) 446-5489 Office (619) 446-5150

* Work Days: Monday Through Friday ** Work Hours : 8:30 AM - 3:30PM. Unless other hours are preapproved)

No Work on Saturdays, Sundays, or Holidays Unless Approved and Noted In Comments

Minimum of 5 working days required for construction work which affects traffic signal e-mail info to: JVaca@sandiego.gov

SIGN LEGEND



TABLE 1

SPEED (S)	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT	MERGING	SHOULDER 1/2*	SHOULDER 2**	TAPER	TANGENT	CONFLICT
20	160	80	40	27	26	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	50	15
35	490	245	123	82	35	50	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	80	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - For other offsets, use the following merging taper length formula (ft):
 For speed of 40 mph or less, L = WSA/60
 For speed of 45 mph or more, L = WS
 Where: L = Taper length in feet
 W = Width of offset in feet
 S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph
 ** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

SPEED*	LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING		
	Min D**	-3%	-6% -9%
20	115	116	120
25	150	158	165
30	200	205	215
35	250	257	271
40	320	315	333
45	360	378	400
50	425	446	474
55	495	520	553
60	570	598	638
65	645	682	728
70	730	771	825
75	820	866	927

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph
 ** - Longitudinal buffer space or flagger station spacing
 *** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ROAD TYPE	ADVANCE WARNING SIGN SPACING		
	A	B	C
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1000	2640

* The distances are approximate, and intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

LEGEND

- APPROXIMATE TRENCH LOCATION
- SIGN
- TRAFFIC CONES / DELINEATOR
- BARRICADE
- FLAGGER
- FLASHING ARROW SIGN
- WORK ZONE
- ARMORGUARD

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

DATE: 1/4/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

UTILITY SURVEYORS, INC.
AIRX
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONCIDO, CA 92027
 PHONE: (760) 490-2347
 CELL: (760) 413-3738

Gail McMorran
 President

N|V|5

15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858.385.0500 WWW.NV5.COM

AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

DRAWN FOR: SAN DIEGO

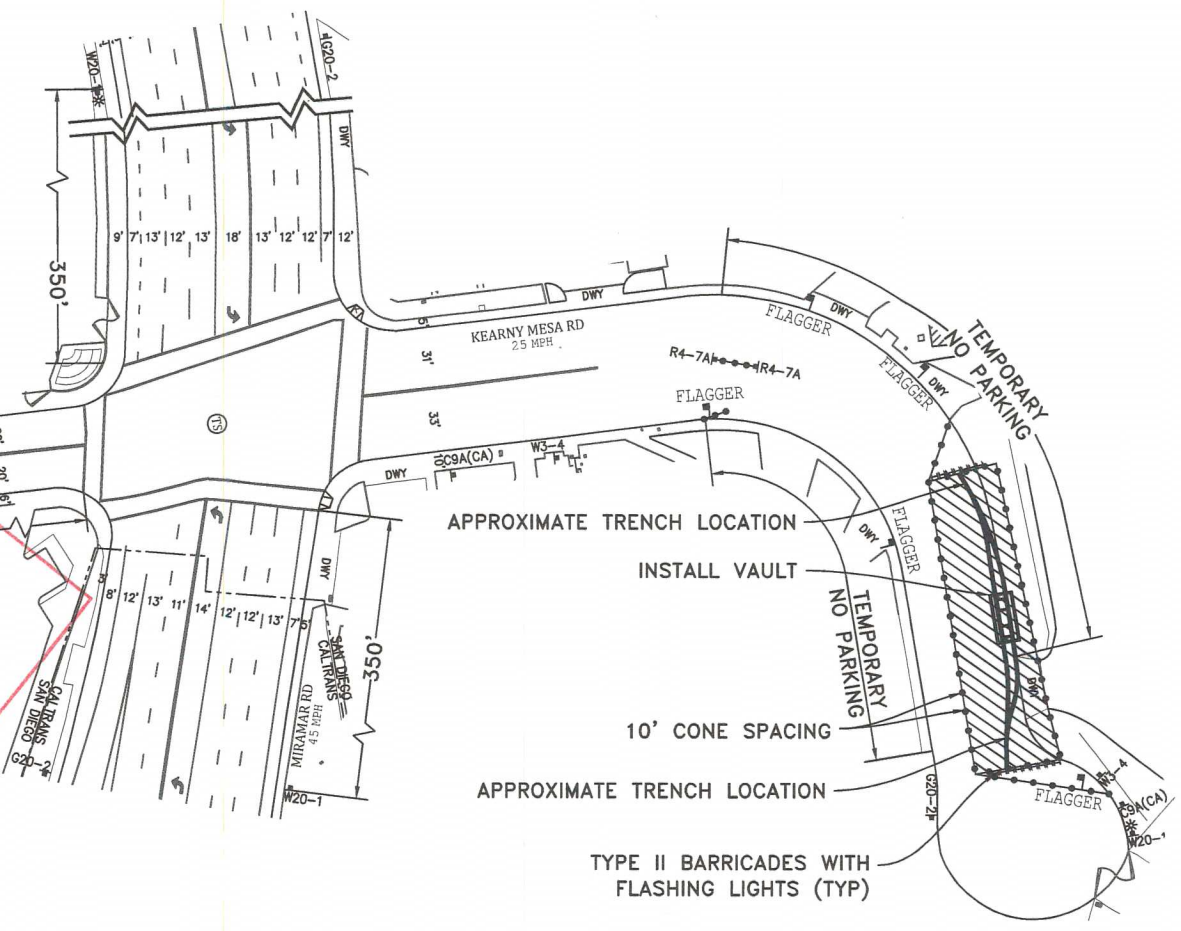
TYPE OF WORK: TRENCHING / CONDUIT

SHEET 1 OF 4

SCALE 1"=60'

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PHASE SD - 2

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

DATE: 1/4/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

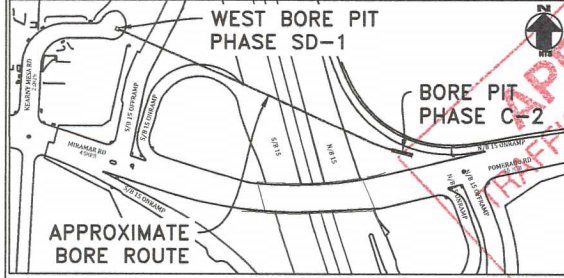
UTILITY SURVEYORS, INC.
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 DRAWN FOR: SAN DIEGO
 TYPE OF WORK: TRENCHING / CONDUIT

SHEET 3 OF 4

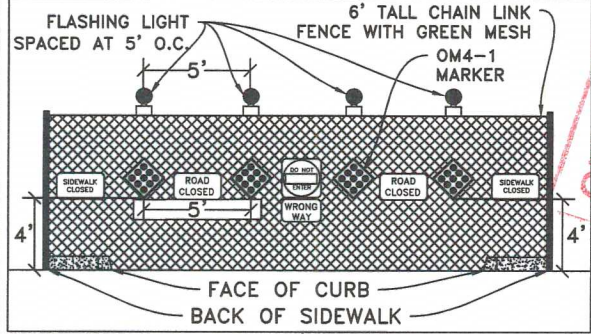
BORE LOCATION DETAIL: (NOT TO SCALE)



NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH FIRE STATION PRIOR TO START OF WORK

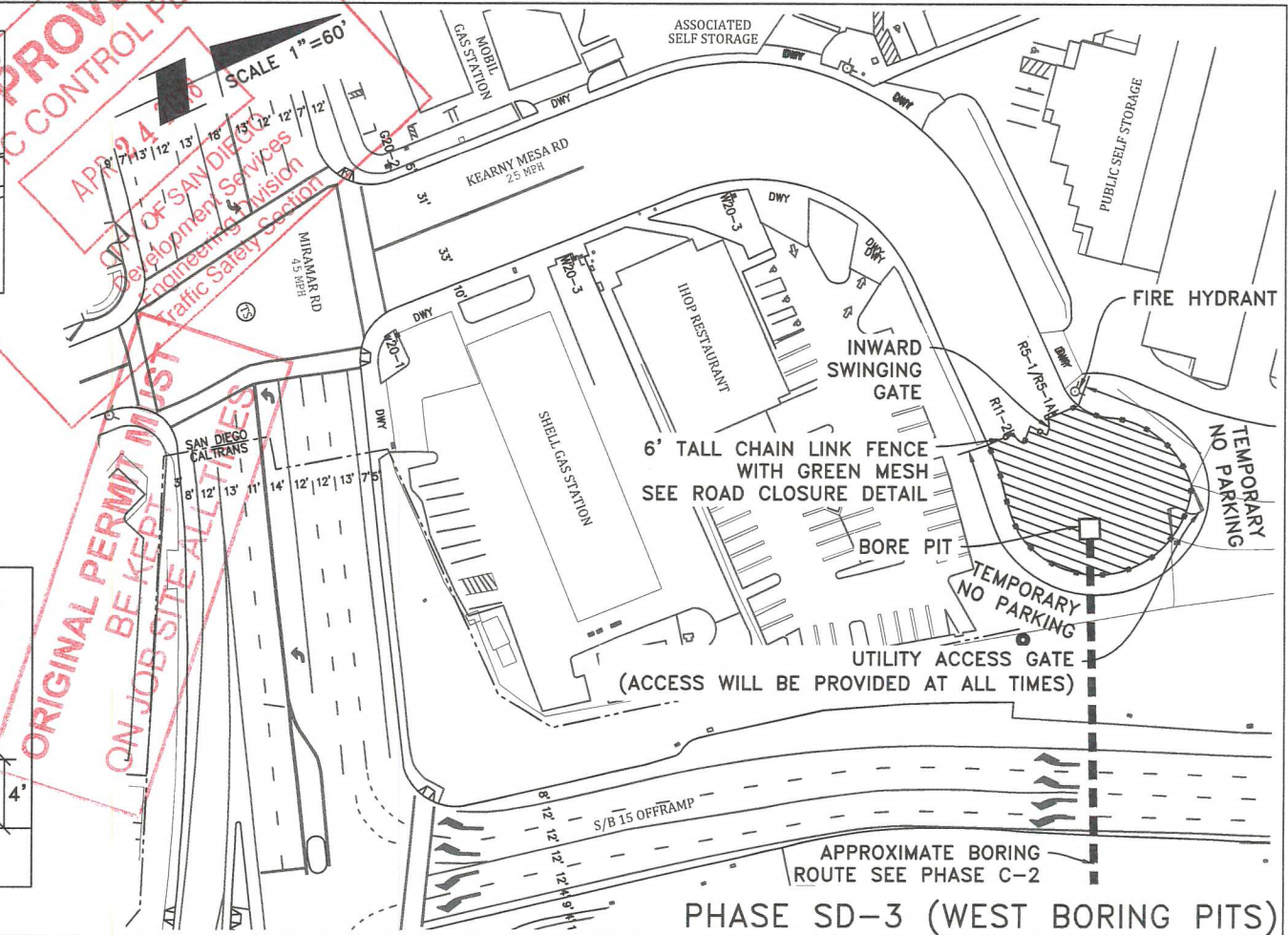
NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH BUSINESSES PRIOR TO START OF WORK

ROAD CLOSURE DETAIL: (NOT TO SCALE)





SPACE OM4-1 MARKERS 4' OFF GROUND SPACED AT 5' O.C. (TYP)

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PHASE SD-3 (WEST BORING PITS)

PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: 1/4/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 Gail McMorran President 2534 EAST EL NORTE PARKWAY, SUITE C ESCONDIDO, CA 92027 PHONE: (760) 480-2347 CELL: (760) 413-3738	 15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 658.385.0500 WWW.NV5.COM	AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		TYPE OF WORK: BORING PITS	DRAWN FOR: SAN DIEGO
MISC/POTHOLE#:		SHEET 4 OF 4	