



STREET/SIDEWALK BLOCKAGE FORM

FOR USE BY FRANCHISE UTILITY COMPANIES ONLY - MAY NOT BE SUBMITTED BY CONTRACTOR

E-mail to: TrafficControlPermit@sandiego.gov | Questions? Call 619-446-5150

City Use Only

City Comments:

No work 7/4/18 City Holiday

APPROVED DENIED Date Reviewed 06/27/2018

Reviewer's Name Felipe Avila

Reviewer's Phone Number (619) 446-5207

Information Below must be TYPED and Completed by Franchise Utility Company Only

Date Submitted	6/26/18	Contractor		ARB	Type of Work						
Utility Company	SDG&E	Contact Name	Rod Nelson	Contact Name	Rod Nelson	Lane Closure	1	Street Closure	2	Sidewalk Closure	3
Contact Name	Vinh Hinh	Phone Number	(858) 610-1161	Phone Number	(619) 778-2405	Alley Closure	4	Parking Lane	5	Detour	6
Email Address	VHuynh@semprautilities.com	Email Address	Rnelson@prim.com	Email Address	Rnelson@prim.com	Trenching	7	Flagging	8	Bike Lane	9

Street Name	From	To	Thomas Bros.	Start Date	End Date	Work Hours	Type of Work
Sample Street	Sample Road	Sample Avenue	1200-A1	xx/xx/xxxx	xx/xx/xxxx	8:30AM - 3:30PM	1,2,3,4,5,6,7,8,9
Kearny Mesa Road	Miramar Road	End of Kearny Mesa Road (cul-de sac)	1208-D7	07/02/2018	07/21/2018	7:00AM - 5:30PM	1,5,7,8
Miramar Road	Kearny Villa Road	Kearny Mesa Road	1208-E7	07/02/2018	07/21/2018	7:00AM - 5:30PM	8

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

Applicant Comments: Phase SD-2 and SD-3 ONLY; Monday through Saturday, Daytime work hours 7:00AM to 5:30PM; Includes Saturdays, 7/7, 7/14 and 7/21.

Is this an Extension? YES NO

Date of previous approval: 06/04/2018

- Completed **TYPED** form must be submitted a minimum of 2 working days prior to start of work.
 - All plans shall be original, legible, and submitted in PDF format.
- No work on Saturdays, Sundays, and City-Observed Holidays unless authorized by City staff.
- Work affecting traffic signals requires a minimum of 5 working days advance notice - Contact Field Services at: jvaca@sandiego.gov

SIGN LEGEND

RAMP CLOSED C2(CA)

C9A (CA)

NARROW LANE C12 (CA)

RAMP CLOSED AHEAD C19(CA)

LEFT LANE CLOSED AHEAD C20(CA)L

RIGHT LANE CLOSED AHEAD C20(CA)R

2 LEFT LANES CLOSED AHEAD C20(CA)(2)L

3 RIGHT LANES CLOSED AHEAD C20(CA)(3)R

BIKE LANE CLOSED AHEAD C20(CA)BIKE

OPEN TRENCH C27(CA)

LANE CLOSED C30(CA)

BIKE LANE CLOSED C30(CA)BIKE

END ROAD WORK G20-2

END DETOUR M4-8A

DETOUR M4-10R

DETOUR M4-10L

R3-1

R3-2

R3-4

R3-18

ONLY R3-5L

ONLY R3-5R

R3-6L

R3-6R

LEFT LANE MUST TURN LEFT R3-7 L

RIGHT LANE MUST TURN RIGHT R3-7 R

KEEP RIGHT R4-7A

NO PED CROSSING USE CROSSWALK R49(CA)L

NO PED CROSSING USE CROSSWALK R49(CA)R

R9-3A

SIDEWALK CLOSED R9-9

SIDEWALK CLOSED USE OTHER SIDE R9-10

SIDEWALK CLOSED AHEAD CROSS HERE R9-11A

SIDEWALK CLOSED CROSS HERE R9-11A

ROAD CLOSED TO THRU TRAFFIC R11-4

DETOUR SC3(CA)

W1-4L

W1-4R

W3-4

W4-2L

W4-2R

W8-24

W11-1

SHARE THE ROAD W16-1

ROAD WORK AHEAD W20-1

DETOUR AHEAD W20-2

ONE LANE ROAD AHEAD W20-4

W12-1

OM-3R

OM-3L

OM-3C

OM-4-1

W1-7

R6-1 R

SPCL 1

SPCL 2

SPCL 3

SC6-4

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH AND CHANNELIZING DEVICE SPACING						
	FOR WIDTH OF OFFSET 12 FEET (W)						
	TANGENT 2L	MERGING L/2	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
20	180	80	40	27	20	40	10
25	280	125	63	42	25	50	12
30	380	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	1540	320	160	107	40	80	20
45	1980	540	270	180	45	90	22
50	1200	660	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 for L:
 For speed of 40 mph or less, L = WS²/G
 For speed of 45 mph or more, L = WS²/15
 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 criteria where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	DOWNGRADE Min D ***			
	Min D **	-3%	-6%	-9%
	ft	ft	ft	ft
20	115	116	120	126
25	155	158	163	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - Speed is posted speed limit, off-peak 85th-percentile 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

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
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	1500	2640

* - The distances are approximate, are intended for guidance purpose 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

AIRX SURVEYORS, INC.
 Gail McMoran
 President
 254 EAST EL NORTE PARKWAY, SUITE C
 ESCONCIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3738

NV5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 658.385.0500 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

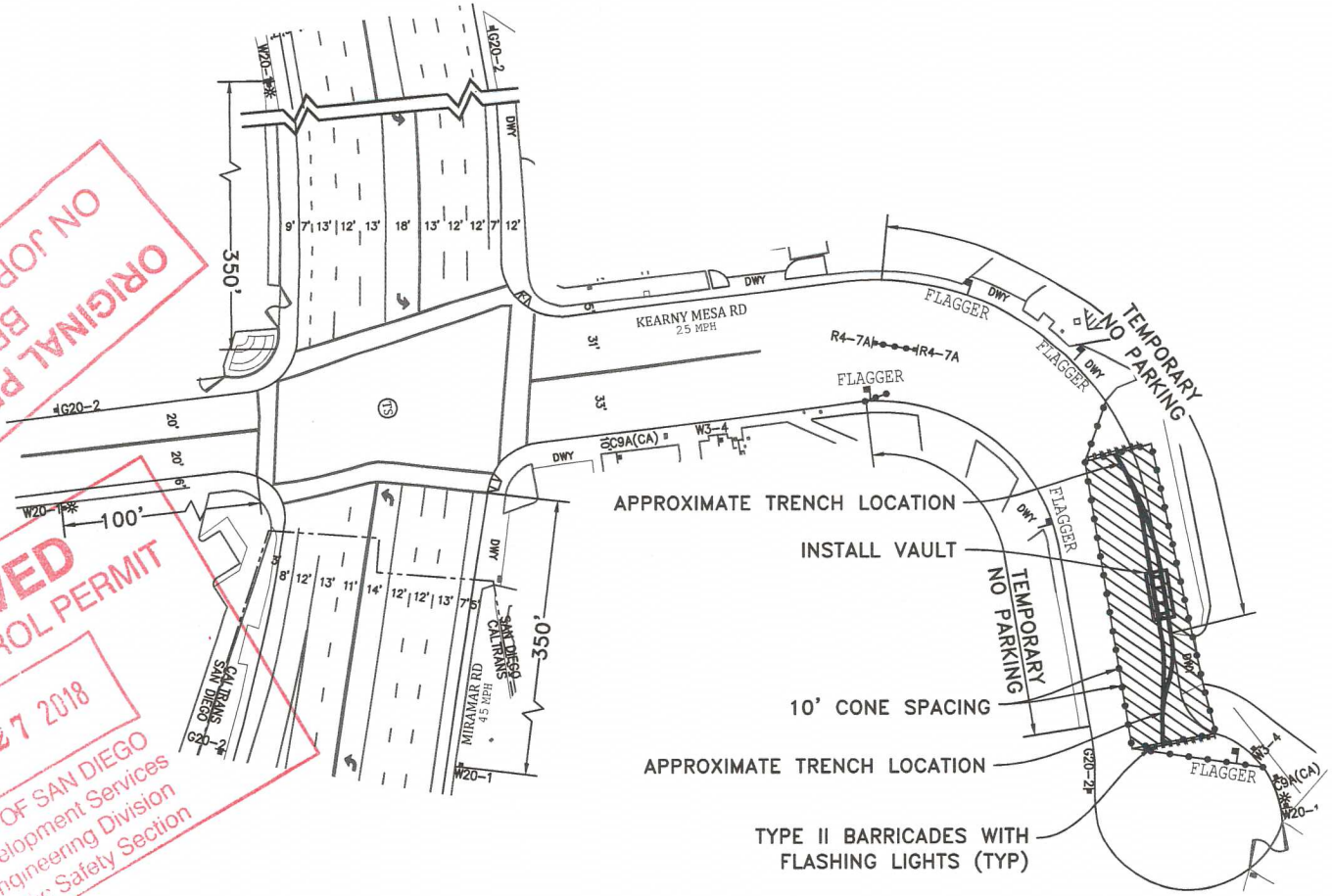


ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED TRAFFIC CONTROL PERMIT

JUN 27 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section



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

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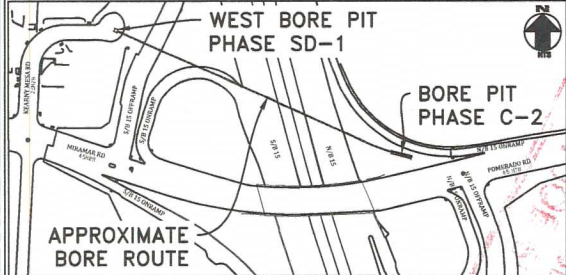
MISC/POTHOLE#:

DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT

SHEET 3 OF 4

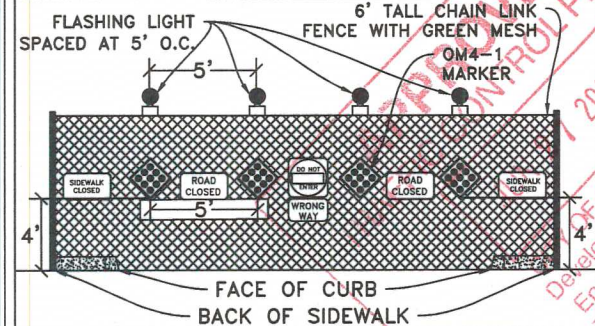
BORE LOCATION DETAIL: (NOT TO SCALE)



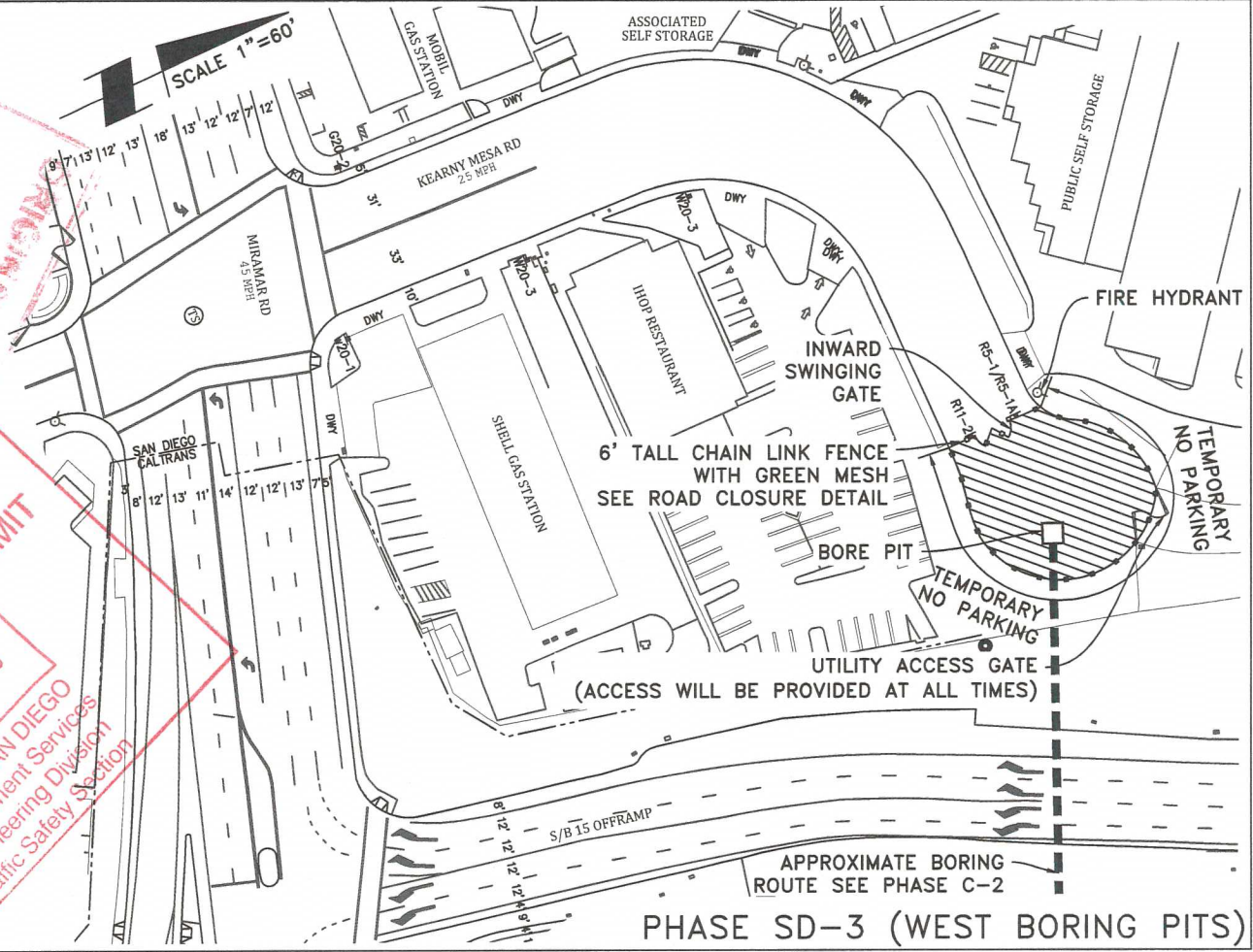
NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH FIRE STATION PRIOR TO START OF WORK

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)



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

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AIRX JOB#: X160218
TYPE OF WORK: BORING PITS
MISC/POTHOLE#:

THOMAS GRID#: 1209-F6
DRAWN FOR: SAN DIEGO

SHEET 4 OF 4