



THE CITY OF SAN DIEGO

Traffic Control Permit (TCP) Multiple Location List

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

To: City of San Diego, Traffic Permit Section

Date: 6/04/2018

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 Avila

Yes No _____

Date Reviewed 6/4/18

TYPE OF WORK

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

APPROVED

TRAFFIC CONTROL PERMIT

JUN 04 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

Location	From	To	Start Date *	End Date *	Work Hours **	Thomas Bros.	Type of Work
Miramar Road	Padgett Street	Kearny Mesa Road	6/10/18	6/29/18	9:00PM - 5:00AM	1209-E6, F6	1,5,7,8
Black Mountain Road	Activity Road	Miramar Road	6/10/18	6/29/18	9:00PM - 5:00AM	1209-E6	6,8
Kearny Villa Road	Maya Linda Rd	Kearny Mesa Road	6/10/18	6/29/18	9:00PM - 5:00AM	1209-E5, E6, F6	6,8
Kearny Mesa Road	Miramar Road	End of Kearny Mesa Road	6/10/18	6/29/18	9:00PM - 5:00AM	1209-F6	1,5,7,8

ORIGINAL PERMIT MUST
BE KEPT
ON JOB SITE ALL TIMES

Comments: Caltrans Phases C-5 through C-11, City Phase SD-1, Sunday - Thursday night work 9pm - 5am

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

ATTENTION UTILITY COMPANY

Special Inspection Fees May Be Applied By City of San Diego For Any Night or Weekend Work.

SIGN LEGEND



TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT	MERGING	SHIFTING	SHOULDER	TAPER	TANGENT	CONFLICT
20	160	80	40	27	20	40	16
25	250	125	63	42	25	50	12
30	360	180	90	68	30	60	15
35	490	245	123	92	35	70	12
40	640	320	160	107	40	80	20
45	1080	540	270	158	45	90	22
50	1200	600	300	200	50	100	25
55	1460	730	365	220	55	100	25
60	1740	870	435	240	60	100	25
65	1960	980	490	260	65	100	25
70	2180	1090	545	280	70	100	25
75	2400	1200	600	300	75	100	25

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
20	115	116	120	126
25	155	158	165	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

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
URBAN - 25 mph OR LESS	150	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

LEGEND

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

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, L = WS²/60
 For speed of 45 mph or more, L = WS²
 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 lagging stations where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA)

* - 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.

* - The distances are approximate, are 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.

PROJECT NAME: 123071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

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

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 499-2547
 CELL: (760) 419-3738

N|V|5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858.385.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#:

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

TYPE OF WORK: TRENCHING / CONDUIT

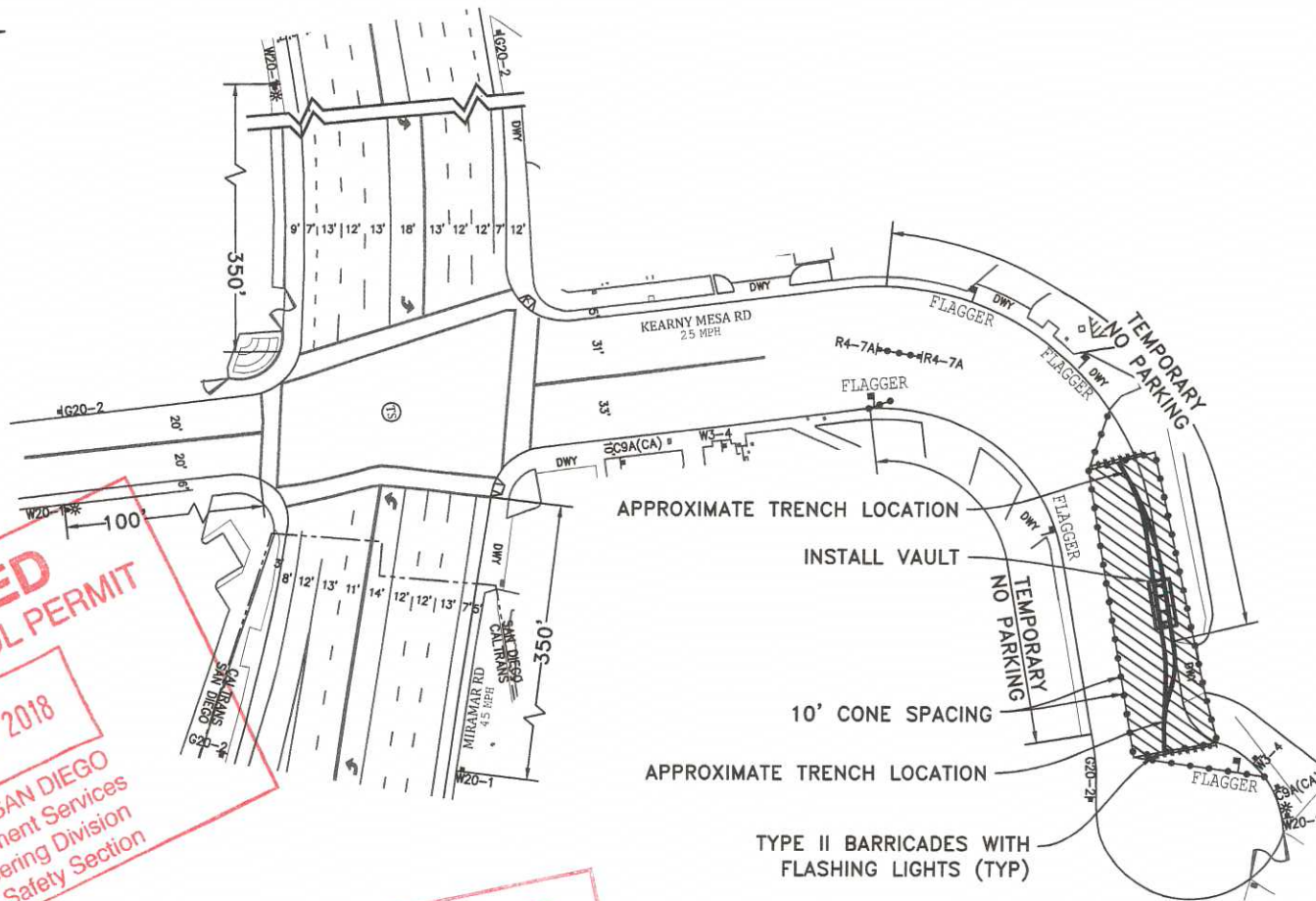
SHEET 1 OF 4

TRAFFIC CONTROL PERMIT
 APPROVED
 01/04/2018
 CITY OF SAN DIEGO
 Engineering Division
 Traffic Safety Section

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES



SCALE 1"=60'



APPROVED
TRAFFIC CONTROL PERMIT
JUN 04 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

UTILITIES SURVEYORS, INC.
AIRX
Gail McMorran
President
2554 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 413-3738

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

AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

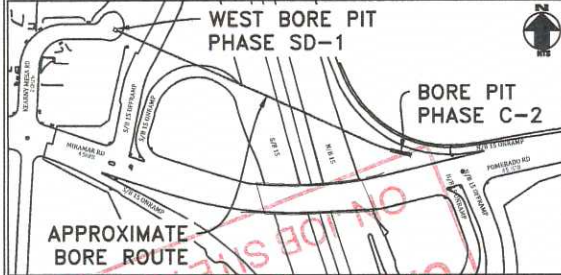
MISC./POTHOLE#:

DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT

SHEET 3 OF 4

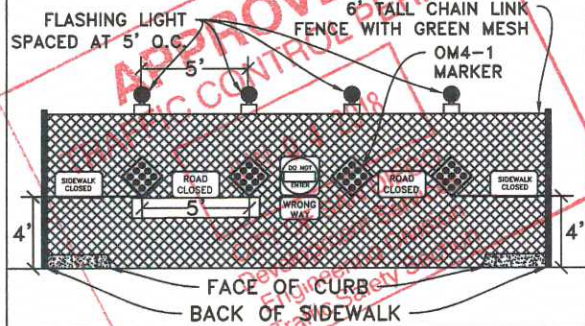
BORE LOCATION DETAIL: (NOT TO SCALE)



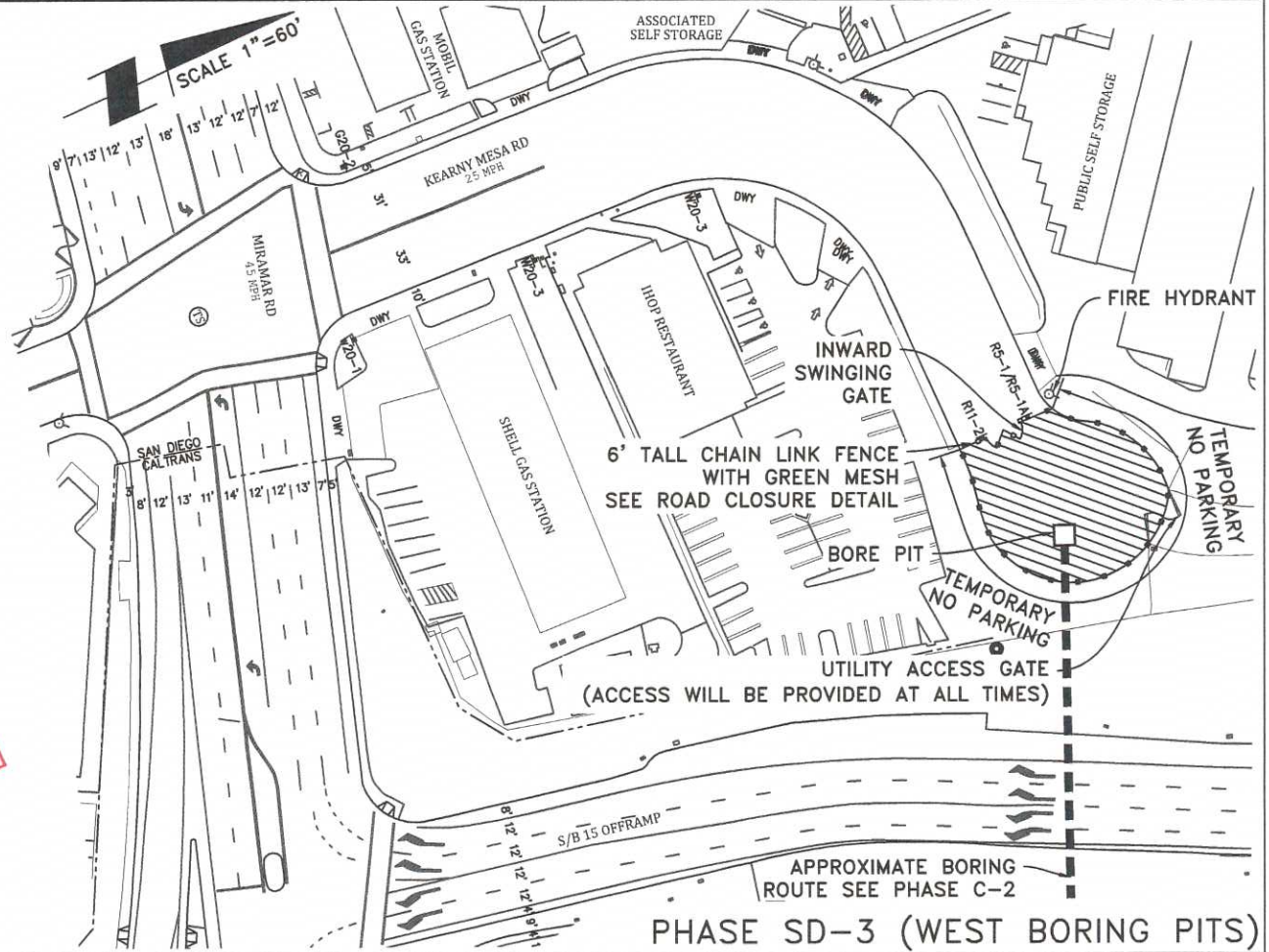
NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH FIRE STATION PRIOR TO START OF WORK

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

UTILITY SURVEYORS, INC.
AIRX
 Gail McMorran
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 460-2847
 CELL: (760) 419-3738

N|V|5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P. 858.385.0500 WWW.NV5.COM

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

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

SHEET 4 OF 4

SIGN LEGEND

Signs shown include: 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)2L), 3 Right Lanes Closed Ahead (C20(CA)3R), 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), R3-1, R3-2, R3-4, R3-18, R3-5L, R3-5R, R3-6L, R3-6R, R3-7 L, R3-7 R, R4-7A, R49(CA)L, R49(CA)R, R9-3A, R9-9, R9-10, R9-11, R9-11A, R11-4, SC3(CA), W1-4L, W1-4R, W3-4, W4-2L, W4-2R, W8-24, W11-1, W16-1, W20-1, W20-2, W20-4, W12-1, OM-3R, OM-3L, OM-3C, OM4-1, 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 FOR WORK OR OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT L	MERGING L/2	SHIPPING L/3	SHOULDER L/3	TAPER		
					TANGENT	TANGENT	CONFLICT
20	115	58	39	20	40	10	
25	150	75	50	25	50	12	
30	180	90	60	30	60	15	
35	210	105	70	35	70	17	
40	240	120	80	40	80	20	
45	270	135	90	45	90	22	
50	300	150	100	50	100	25	
55	330	165	110	55	110	27	
60	360	180	120	60	120	30	
65	390	195	130	65	130	32	
70	420	210	140	70	140	35	
75	450	225	150	75	150	37	

**TABLE 2
LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING**

SPEED *	DOWNGRADE Min D ***		
	-3%	-6%	-9%
20	115	116	120
25	155	155	165
30	200	205	215
35	250	257	271
40	305	315	333
45	360	375	400
50	420	445	474
55	485	520	563
60	570	615	666
65	665	725	785
70	770	855	927
75	885	990	1065

**TABLE 3
ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	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	1500	2640

LEGEND

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

* - For other offsets, use the following merging taper length formula for L:
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).

* - 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 grade steeper than -3 percent and longer than 1 mile.

* - The distances are approximations, are 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.

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

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

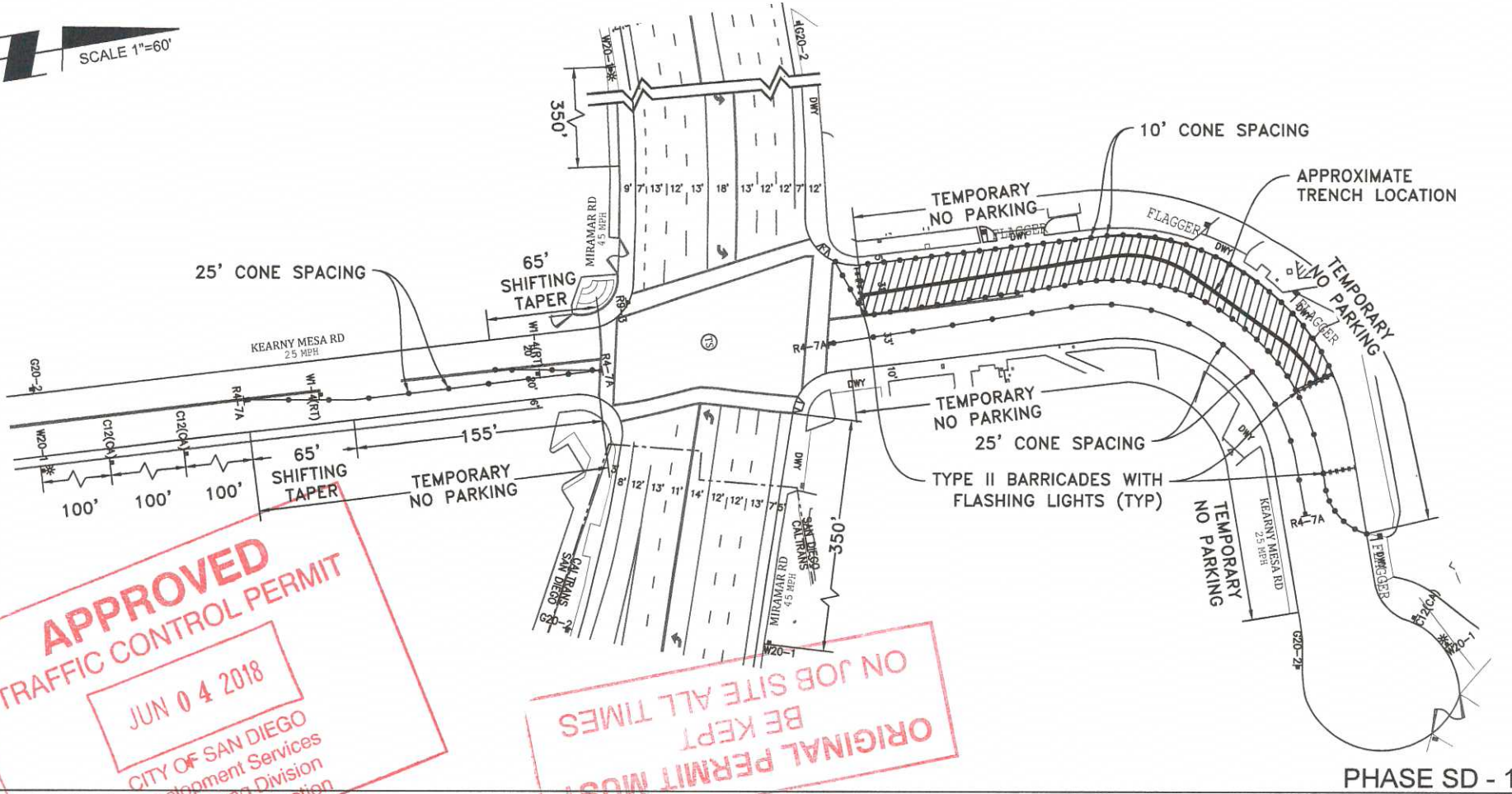
UTILITY SURVEYORS, INC.
AIRX
Gail McMorran
President
2534 EAST NORTE PARKWAY, SUITE C
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PHONE: (760) 480-2347
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15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 658.385.0500 WWW.NIV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

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

SHEET 1 OF 4



APPROVED
TRAFFIC CONTROL PERMIT

JUN 04 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

ORIGINAL PERMIT MUST
BE KEPT ON JOB SITE ALL TIMES

PHASE SD - 1

PROJECT NAME: T23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/4/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 Galil McMorrán President <small>2554 EAST EL NORTE PARKWAY, SUITE C ESCONDIDO, CA 92027 PHONE: (760) 480-2347 CELL: (760) 413-3738</small>	 <small>15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 858.385.0500 WWW.NIV5.COM</small>	AIRX JOB#: X160218 MISC/POTHOLES#:	THOMAS GRID#: 1209-F6 DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 2 OF 4	

RECEIVED
JAN 24 2018
CALTRANS

SIGN LEGEND



TABLE 1

SPEED (S)	TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING				MINIMUM TAPER LENGTH* FOR WIDTH OF OFFSET 12 FEET (W)		MAXIMUM CHANNELIZING DEVICE SPACING	
	TANGENT	W/SHOULDER	SHOULDER L/2	SHOULDER L/3	TAPER	TANGENT	CONF. CT	
20	145	80	40	27	20	40	15	
25	250	125	63	42	25	50	12	
30	380	180	90	60	30	60	10	
35	490	245	123	82	35	70	7	
40	640	320	160	107	40	80	20	
45	1080	540	270	180	45	90	22	
50	1200	600	300	200	50	100	25	
55	1320	660	330	220	55	110	25	
60	1440	720	360	240	60	120	25	
65	1560	780	390	260	65	130	25	
70	1680	840	420	280	70	140	25	
75	1800	900	450	300	75	150	25	

TABLE 2

SPEED	V ₉₀ D ^{**}	LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING		
		-3%	-6%	-9%
20	115	176	120	136
25	156	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	406	427
50	425	446	474	507
55	495	520	553	593
60	570	598	628	686
65	650	682	728	780
70	730	771	825	891
75	820	868	927	1003

TABLE 3

ROAD TYPE	ADVANCE WARNING SIGN SPACING		
	DISTANCE BETWEEN SIGNS ^{**}		
	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	500	2640

LEGEND

- APPROXIMATE TRENCH LOCATION
- █ SIGN
- TRAFFIC CONES / DELINEATOR
- I BARRICADE
- █ FLAGGER
- █ FLASHING ARROW SIGN
- █ WORK ZONE
- █ ZONEGUARD
- ★ SIGN WITH PORTABLE FLASHING BEACON
- █ QUADGUARD II CRASH CUSHION
- █ CALTRANS CRASH ARRAY TU17

* For other offsets use the following formula for taper length based on the speed of the vehicle.
 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 full posted operating speed in mph

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

ON JOB SITE ALL TIMES
BE KEPT
ORIGINAL PERMIT

APPROVED
11-17-2017
JAN 9 2018

APPROVED
CONTROL PERMIT
JUN 14 2018
CITY OF SAN DIEGO
Development Division
Engineering Section
N.V.5

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

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorran
President
254 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2947
CELL: (760) 419-3738

15042 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P. 858-385-0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHoles#: _____
TYPE OF WORK: TRENCHING / CONDUIT

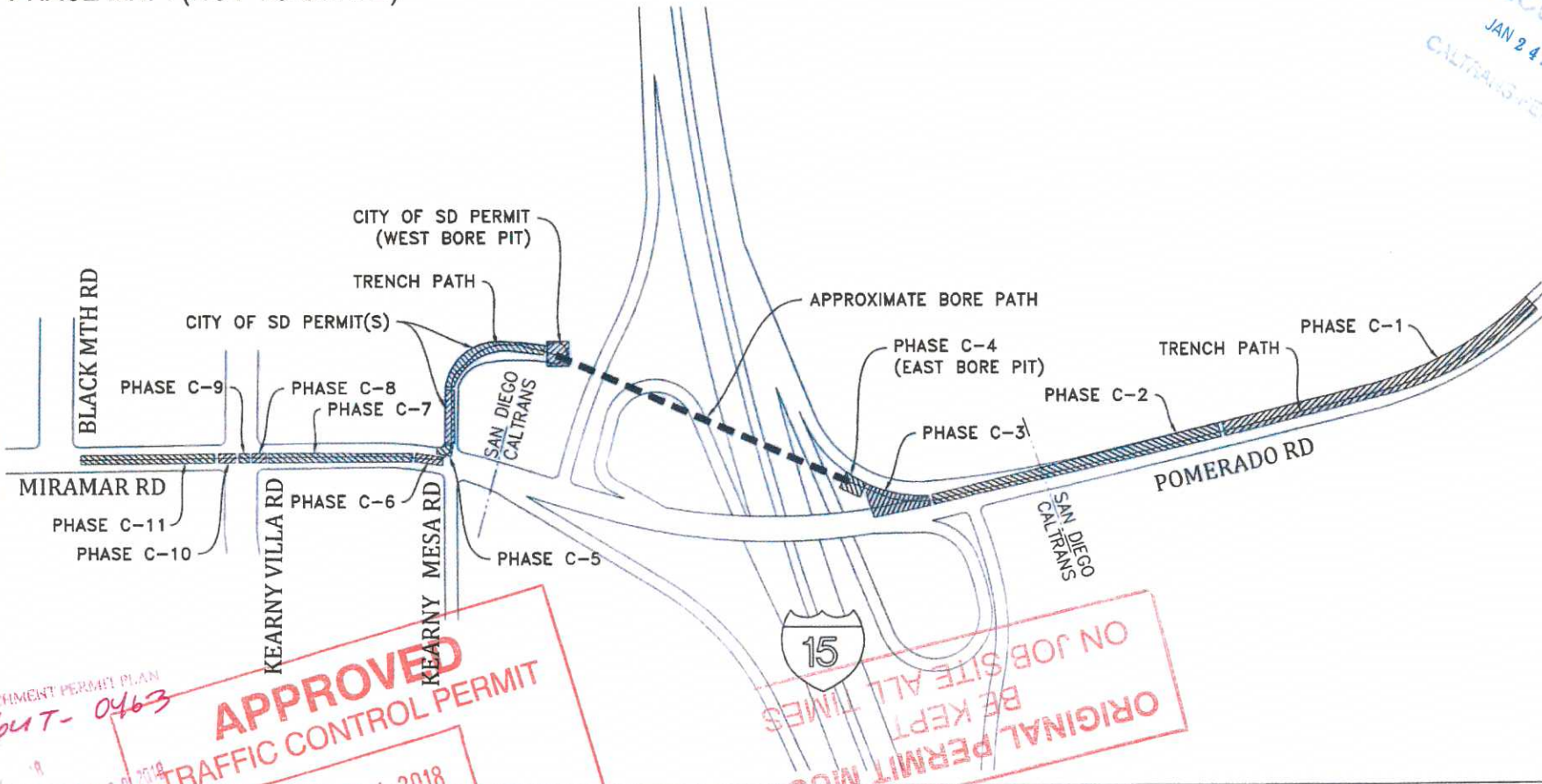
THOMAS GRID#: 1209-F
DRAWN FOR: CALTRANS

REGISTERED ENGINEER
MARK H. WEBB
No. 46328
CIVIL
STATE OF CALIFORNIA

SHEET 1 OF 48

RECEIVED
 JAN 24 2018
 CALTRANS PERMITS

PHASE MAP: (NOT TO SCALE)



11-17-647-0463
 11-17-647-0463

APPROVED
 TRAFFIC CONTROL PERMIT

ORIGINAL PERMIT MUST
 BE KEPT ALL TIMES
 ON JOB SITE

JAN 24 2018

CITY OF SAN DIEGO
 NV5
 Engineering Division
 Safety Section

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb



SHEET 2 OF 48

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 7334 EAST EL NORTE PARKWAY SUITE C
 ESCROWWOOD CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-9738

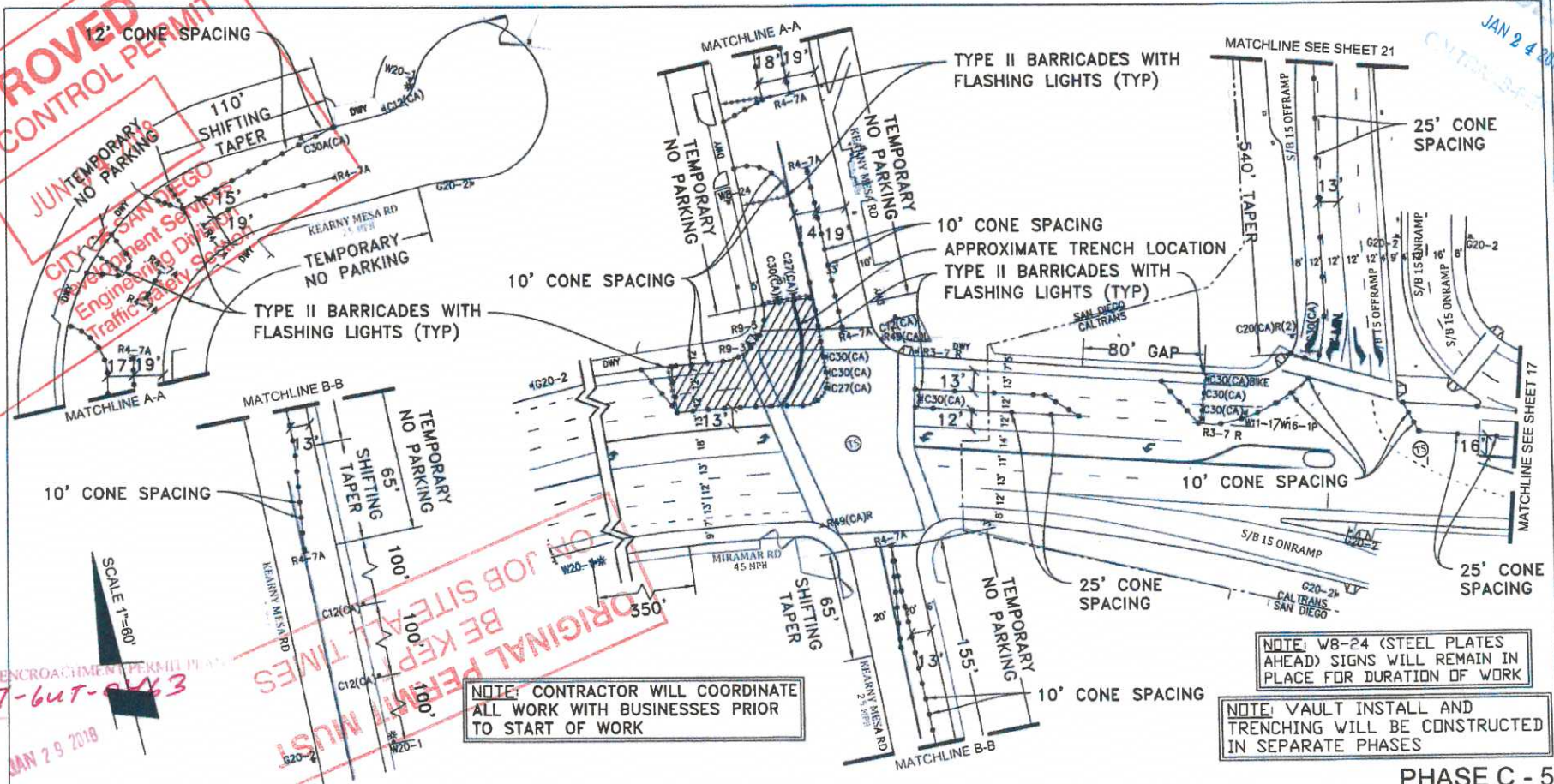
AIRX JOB#: X160218
 MISC/POTHLES#:
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385 0500 WWW.NV5.COM

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT

APPROVED
TRAFFIC CONTROL PERMIT

JUNTEMPORARY
NO PARKING
CITY OF SAN DIEGO
Engineering Division
Traffic Safety Section

JAN 24 2018
CITY OF SAN DIEGO



APPROVED ENCROACHMENT PERMIT PLAN
11-17-6UT-0143
Permit No. 11-17-6UT-0143

JAN 29 2018

ORIGINAL PERMIT MUST BE KEPT AT ALL TIMES ON JOB SITE

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

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

NOTE: VAULT INSTALL AND TRENCHING WILL BE CONSTRUCTED IN SEPARATE PHASES

PHASE C - 5

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

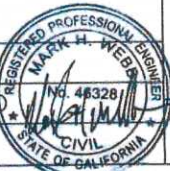
DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrin
President
2504 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 419-3778

NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385 0500 WWW.NV5.COM

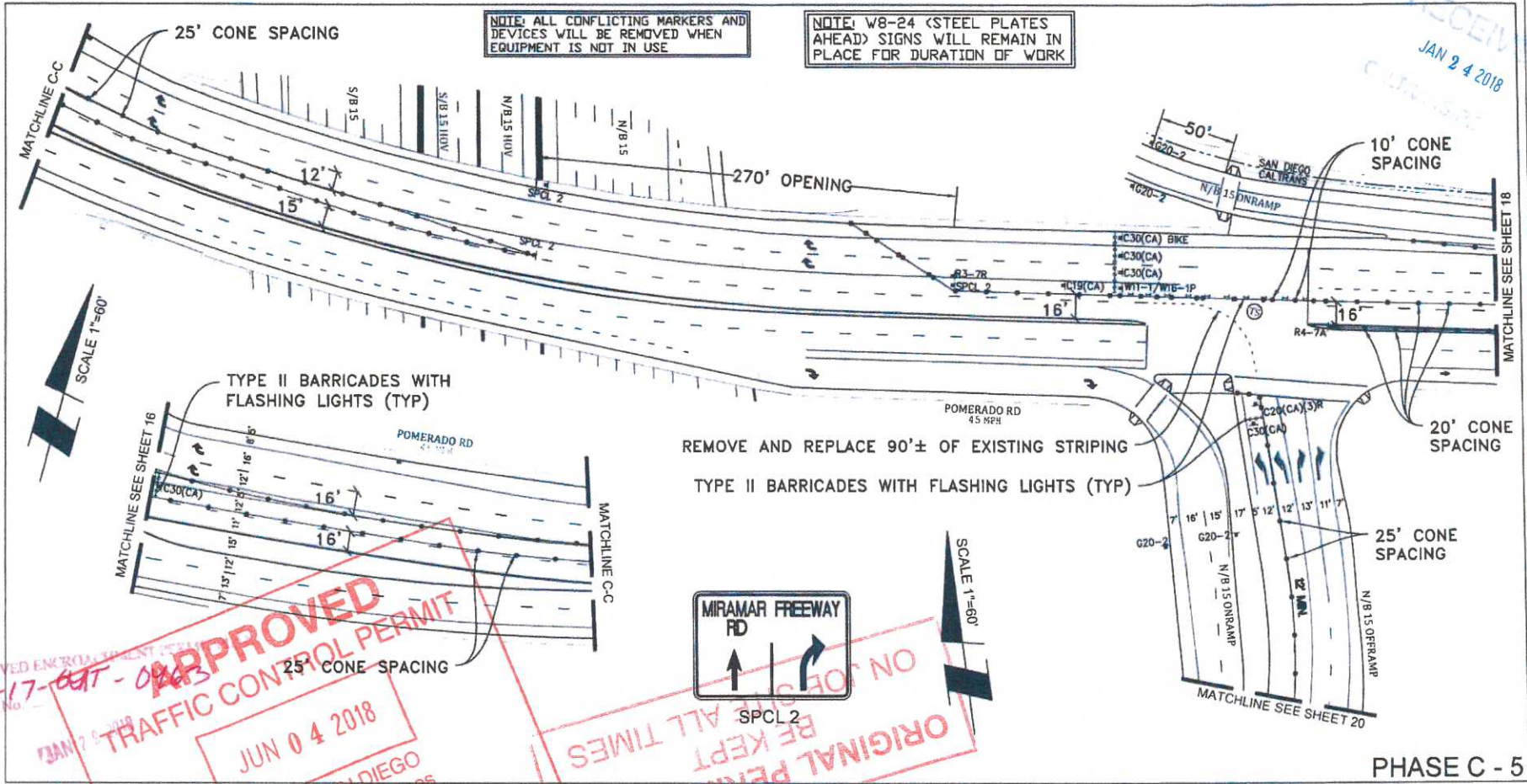
AIRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

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



SHEET 16 OF 48

RECEIVED
JAN 24 2018
C. JONES

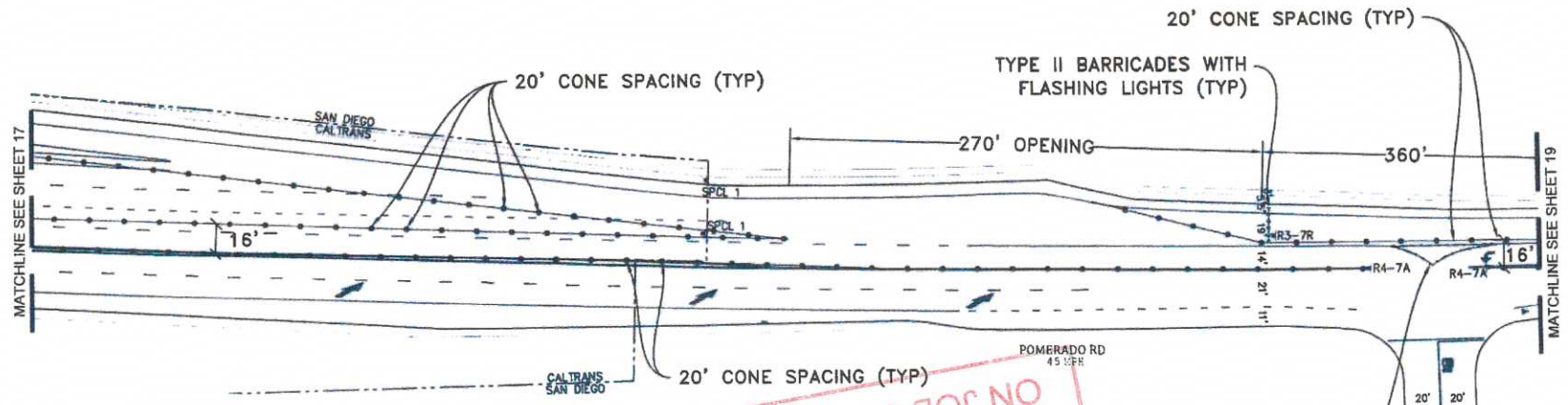


PHASE C - 5

PROJECT NAME: TL23071 Sycamore Canyon Substation To Pensajitos Substation - 230-KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
		AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		MISC/POTHOLE#:	DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT			
		SHEET 17 OF 48	

RECEIVED
 JAN 24 2018
 CALTRANS

SCALE 1"=60'



ON JOB SITE ALL TIMES
 ORIGINAL PERMIT MUST
 BE KEPT

REMOVE & REPLACE AT COMPLETION OF WORK
 EXISTING GLUE-DOWN CHANNELIZERS
 PER SEPARATE CITY OF SAN DIEGO PERMIT

APPROVED ENCROACHMENT PERMIT PLAN
 11-17-645-0463
 Permit No.:



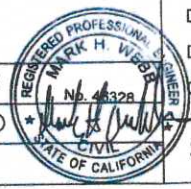
JAN 20 2018
APPROVED
 TRAFFIC CONTROL PERMIT

JUN 04 2018

PHASE C - 5

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb



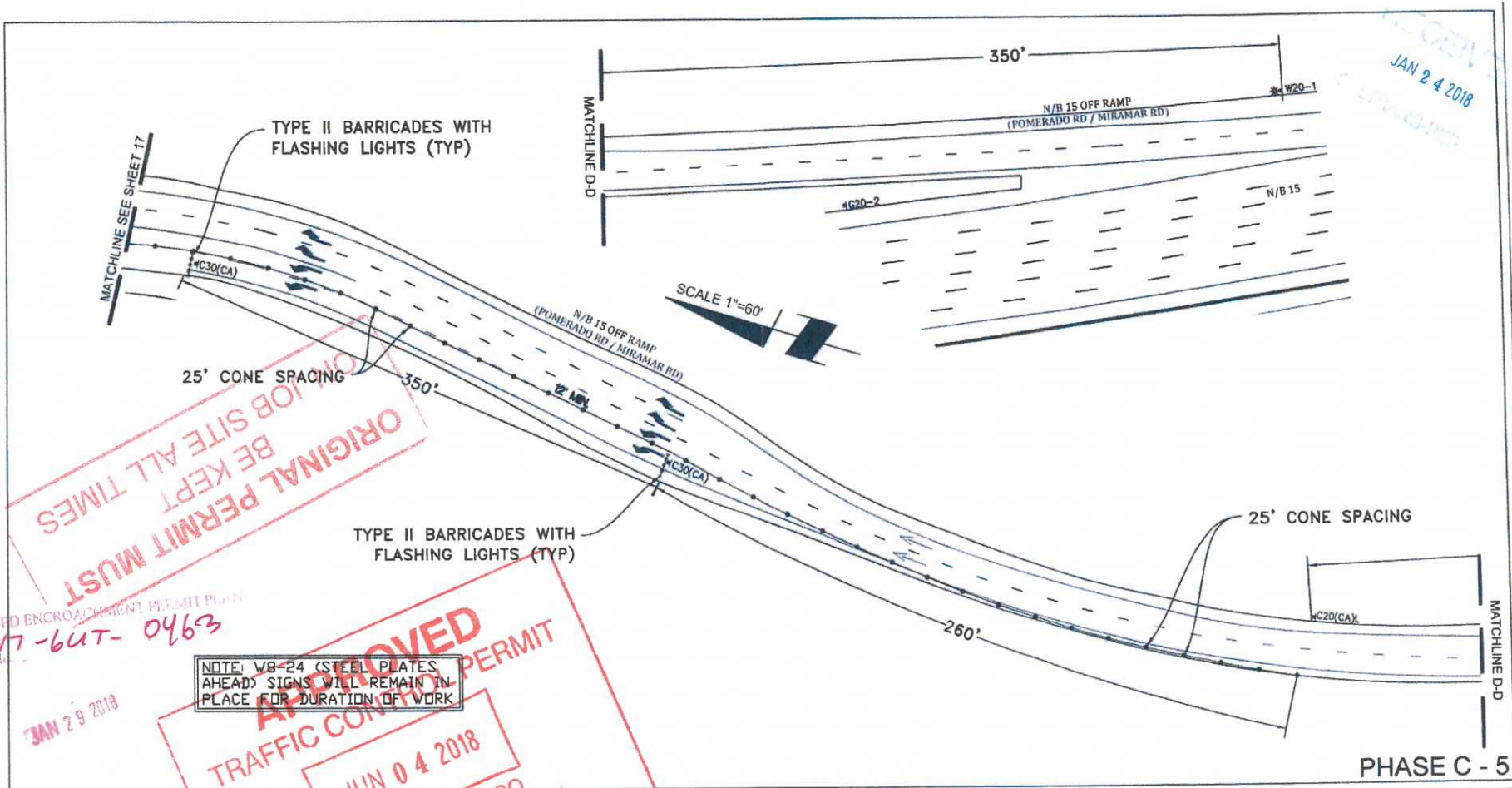
SHEET 18 OF 48

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2934 EAST EL NORTE PARKWAY, SUITE C
 ESCOBEDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3728

NV5
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

AIRX JOB#: X160218
 THOMAS GRID#: 1209-F6
 MISC/POTHOLE#: _____
 DRAWN FOR: SAN DIEGO
 TYPE OF WORK: TRENCHING / CONDUIT

JAN 24 2018



ORIGINAL PERMIT MUST BE KEPT AT ALL TIMES

IMPROVED ENCROACHMENT PERMIT PLAN
11-17-64T-0963
Permit No.

JAN 29 2018

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

APPROVED TRAFFIC CONTROL PERMIT
JUN 04 2018

PHASE C - 5

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

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrin
President
2834 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE (760) 450-2347
CELL (760) 419-3748

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

AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

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

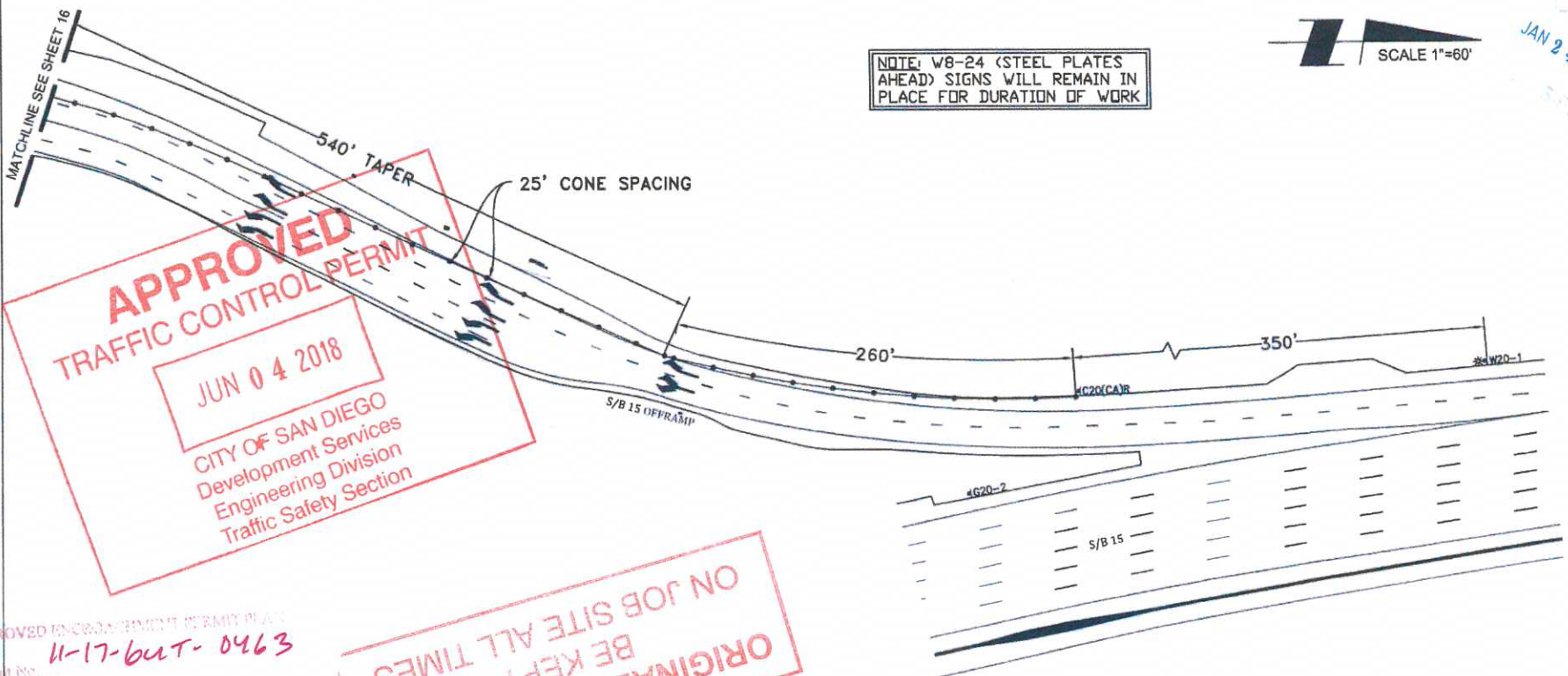


SHEET 20 OF 48



JAN 24 2018

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK



APPROVED
TRAFFIC CONTROL PERMIT
JUN 04 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

**ORIGINAL PERMIT MUST
BE KEPT ALL TIMES
ON JOB SITE**

APPROVED IMPROVEMENT PERMIT PLAT
Permit No: **11-17-6UT-0463**
JAN 29 2018

PHASE C - 5

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

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorran
President
25th EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 485-2347
CELL: (760) 418-3738

NIV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NIV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#: _____
THOMAS GRID#: 1209-F6
DRAWN FOR: SAN DIEGO



SHEET 21 OF 48

TYPE OF WORK: TRENCHING / CONDUIT



NOTE: WB-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

JAN 24 2018

ON JOB SITE ALL TIMES
BE KEPT
ORIGINAL PERMIT MUST

APPROXIMATE TRENCH LOCATION
TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)
25' CONE SPACING

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)
10' CONE SPACING

25' CONE SPACING

10' CONE SPACING

10' CONE SPACING

PHASE C - 6

APPROVED ENCLOSUREMENT PERMIT # 11-17-611-2463
Permit No.

JAN 23 2018

APPROVED
TRAFFIC CONTROL PERMIT
JUN 04 2018



SPCL 1

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

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gall McMorrin
President
254 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE (760) 498-2347
CELL (760) 419-3738

15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385-0900 WWW.NVS.COM

AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

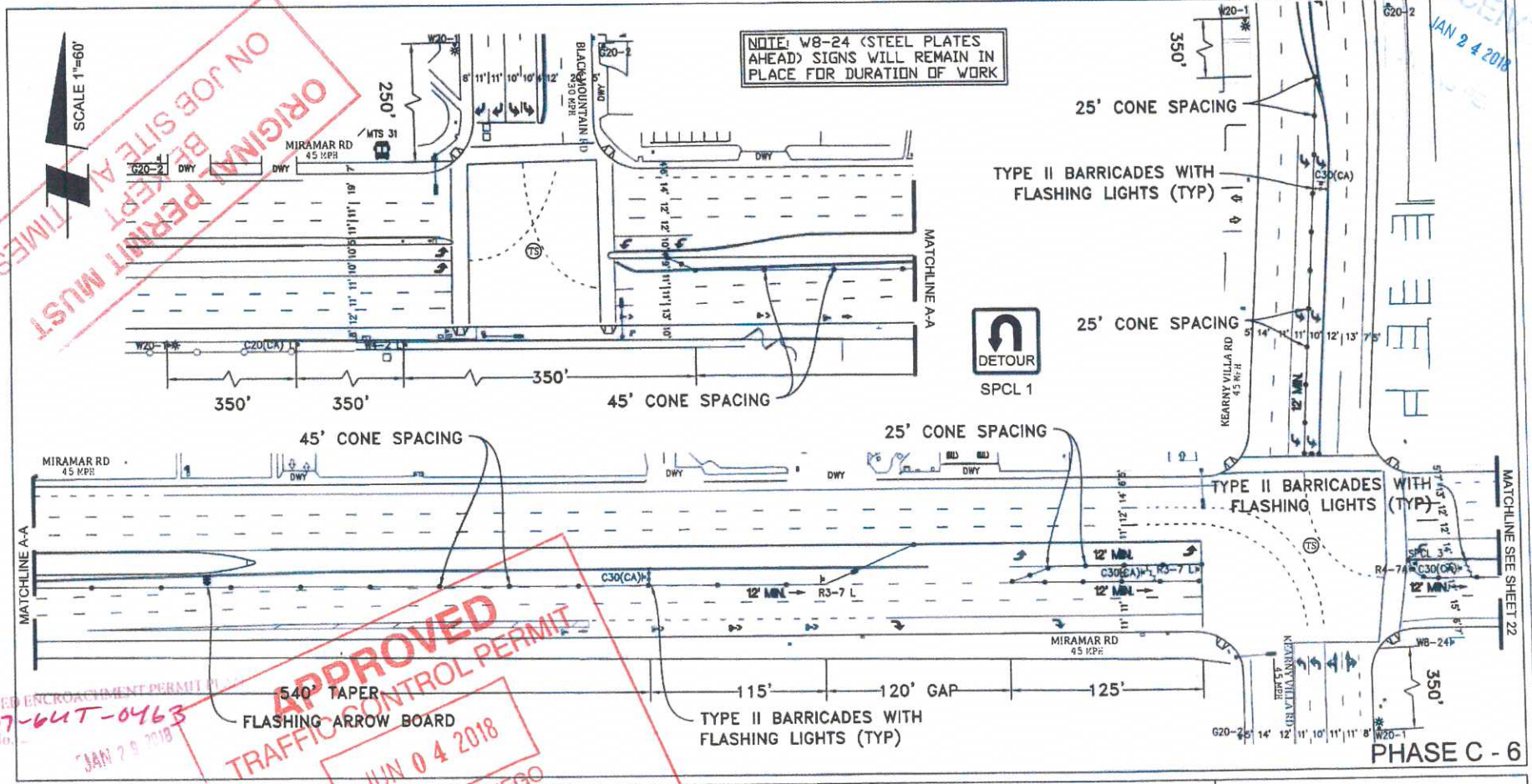
DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 22 OF 48

RECEIVED
JAN 24 2018



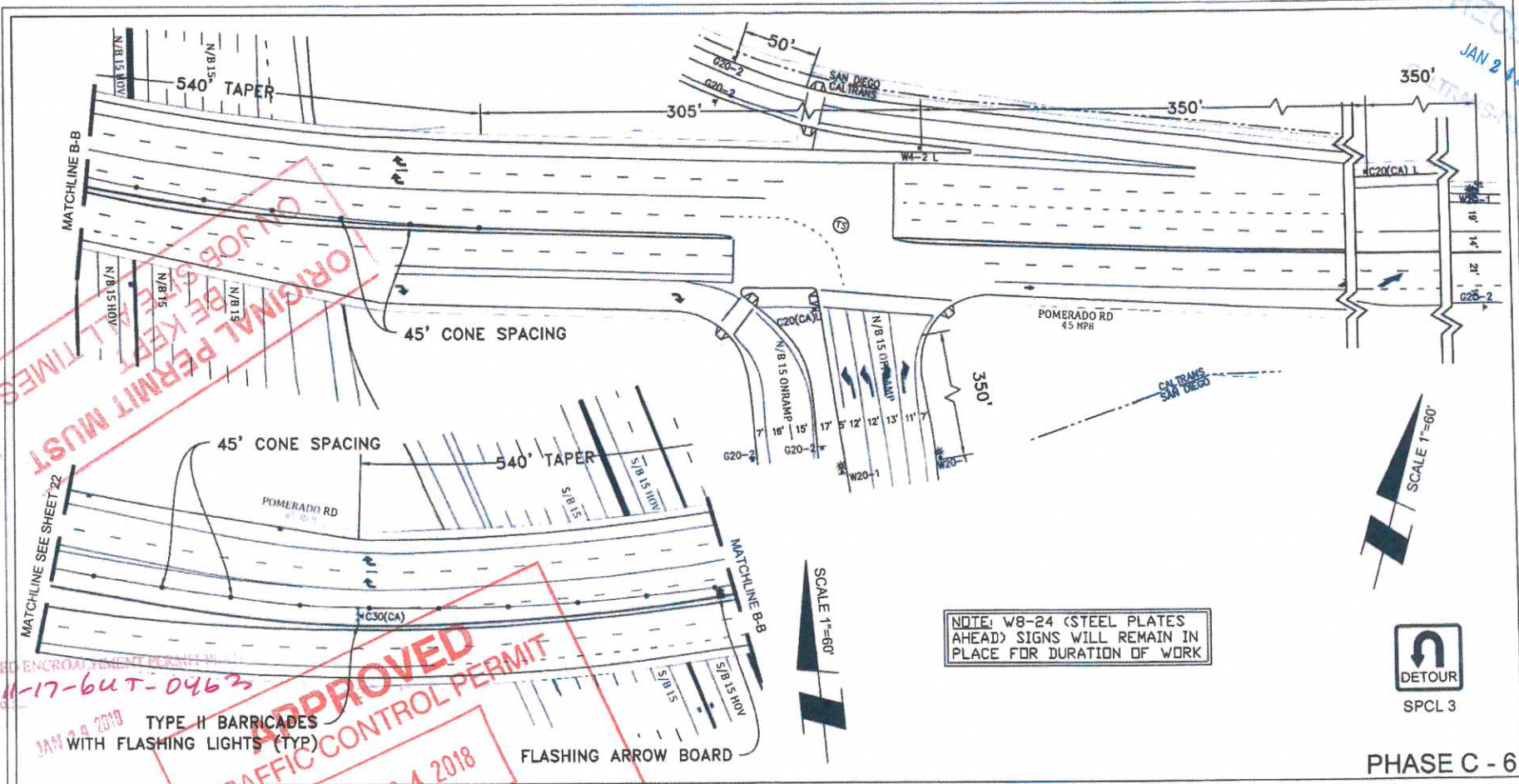
SCALE 1"=60'
ON JOB SITE AT ALL TIMES
ORIGINAL PERMIT MUST BE USED

APPROVED ENCROACHMENT PERMIT
11-17-64T-0463
Permit No. 11-17-64T-0463
JAN 29 2018
TRAFFIC CONTROL PERMIT
APPROVED
JUN 04 2018

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
AIRX SURVEYORS, INC. Gail McMorran President 2304 EAST EL NORTE PARKWAY, SUITE C ESCO HUNDO, CA 92027 PHONE: (760) 485-2347 CELL: (760) 418-3738	NIV5 15082 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 858 385.0500 WWW.NIV5.COM	AIRX JOB#: X160218 MISC/POTHOLE#:	THOMAS GRID#: 1209-F6 DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 23 OF 48	



REC'D
JAN 24 2018
CALTRANS



ORIGINAL PERMIT MUST BE KEPT ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

JAN 04 2018

11-17-6UT-04623

JAN 24 2018

PROJECT NAME: TL23077 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYING, INC.
Gail McMoran
President
2534 EAST EL MONTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 419-3738

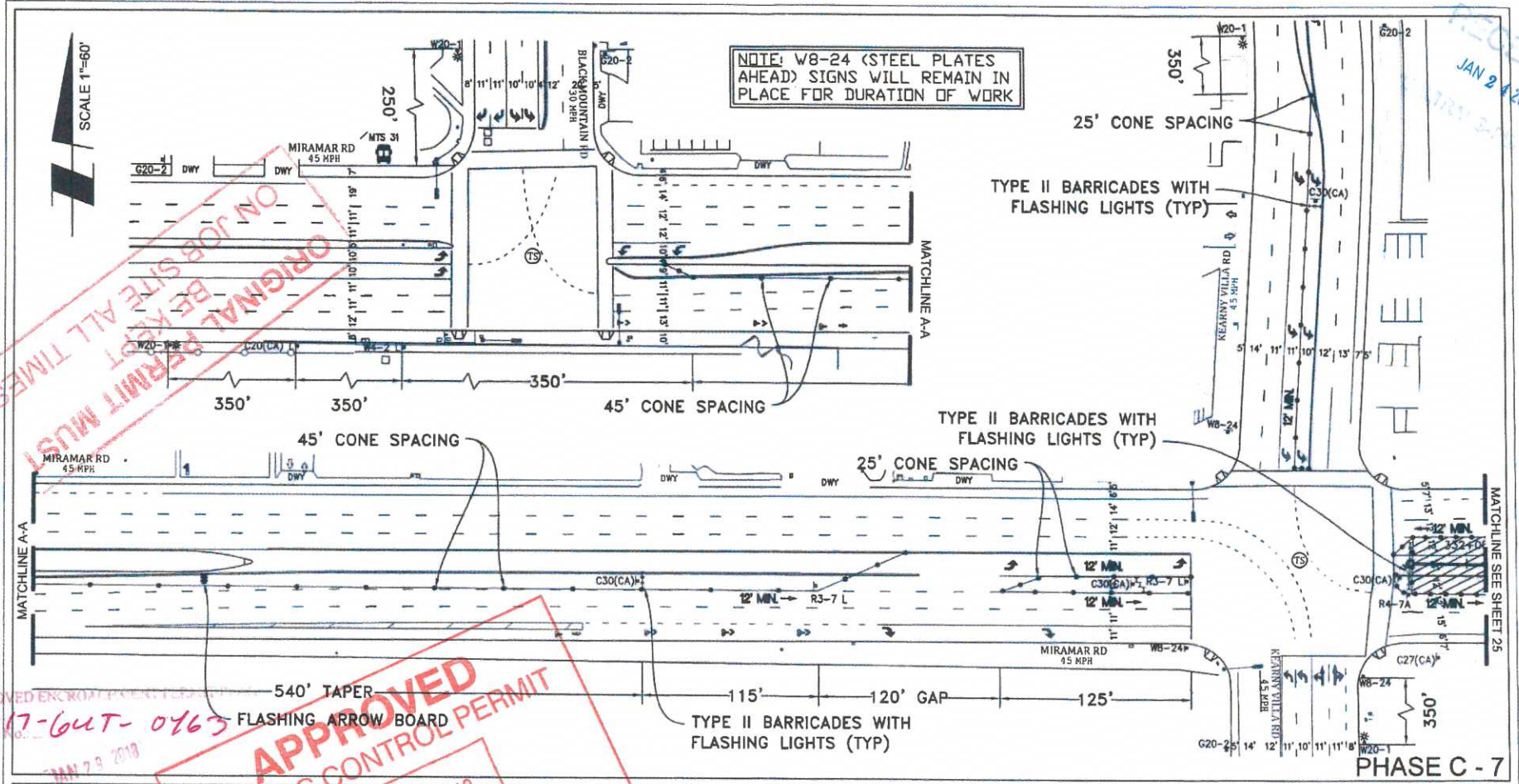
NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385 0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

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

REGISTERED PROFESSIONAL ENGINEER
MARK H. WEBB
No. 48328
CIVIL
STATE OF CALIFORNIA

SHEET 24 OF 48



RECEIVED
JAN 24 2018

ORIGINAL BE KEPT ON JOB SITE ALL TIMES PERMIT MUST BE APPROVED ENCLOSURE PERMIT NO. 11-17-64T-0463

APPROVED

TRAFFIC CONTROL PERMIT

JAN 29 2018

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

AIRX SURVEYORS, INC.
Gail McMoran
President
7534 EAST EL MONTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 419-3738

NVI5
City of SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385 0500 WWW.NVI5.COM

NRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

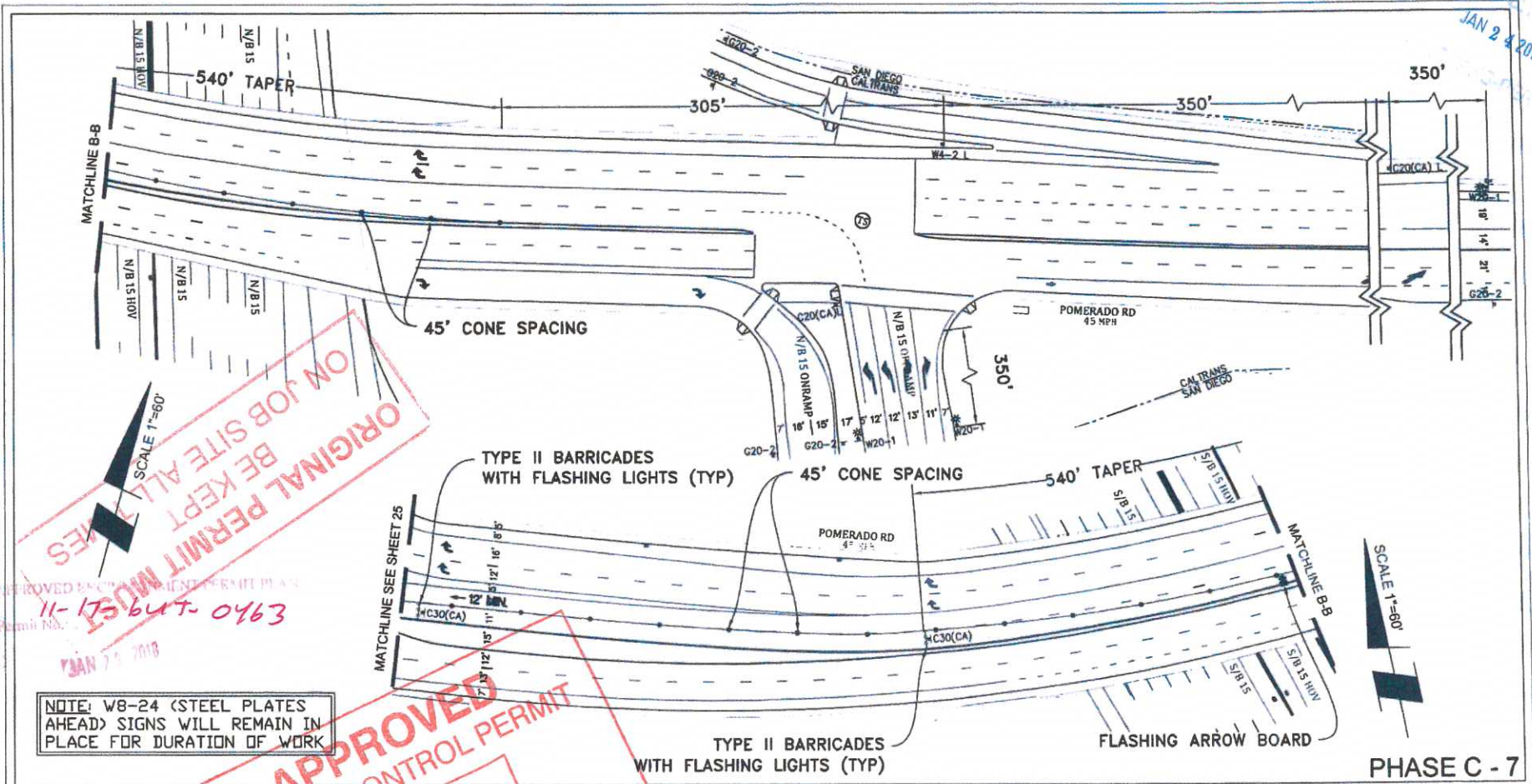
THOMAS GRID#: 1209-F
DRAWN FOR: CALTRANS



DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 26 OF 48

JAN 24 2018



NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

PHASE C - 7

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

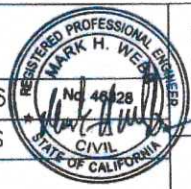
DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

AIRX SURVEYING, INC.
 Gail McMorrin
 President
 2504 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3736

NV5
 ENGINEERING SERVICE
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385.0500 WWW.NV5.COM

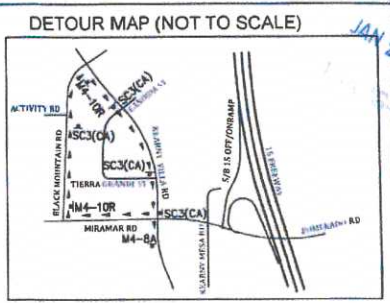
AIRX JOB#: X160218
 MISC/POTHOLE#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS

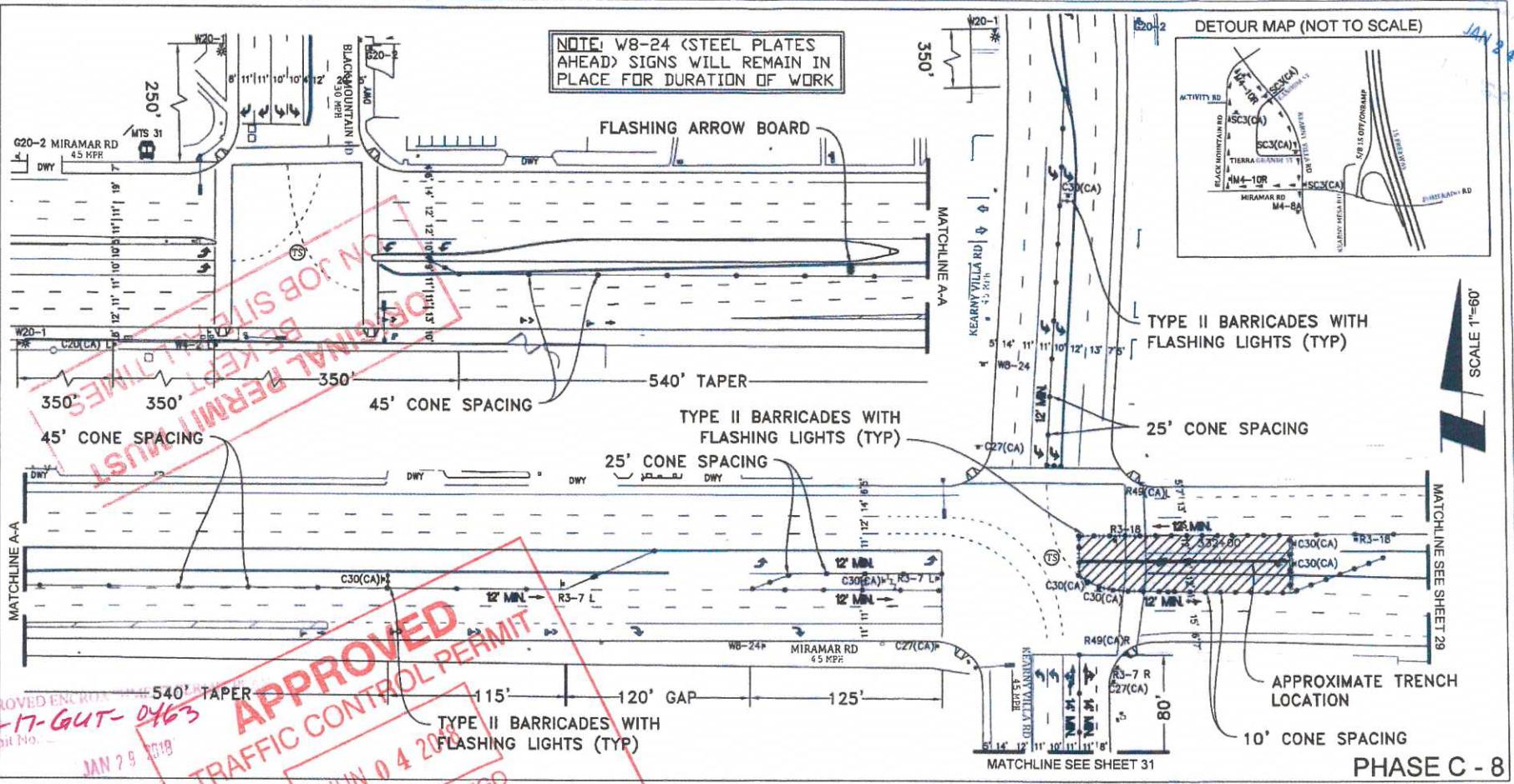


SHEET 27 OF 48

JAN 24 2018



NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK



SCALE 1"=60'

APPROVED
TRAFFIC CONTROL PERMIT
 JUN 04 2018

APPROVED ENCLOSURE # 11-17-GUT-0463
 Permit No. -
 JAN 29 2018

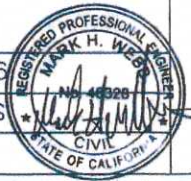
PROJECT NAME: TL23071 - Sycamore Canyon Substation To Pecos Canyon Substation - 230 KV Underground

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY SUITE C
 SAN DIEGO, CA 92107
 PHONE: (760) 480-2347
 CELL: (760) 419-3738

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

AIRX JOB#: X160218
 MISC./POTHOLES#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F
 DRAWN FOR: CALTRANS



DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 28 OF 48

JAN 24 2018



TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

25' CONE SPACING

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

25' CONE SPACING

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

10' CONE SPACING

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

ORIGINAL BE KEPT ON JOB SITE ALL TIMES
APPROVED PERMIT
11-17-1647-0163
JAN 29 2018

APPROVED
TRAFFIC CONTROL PERMIT
JUN 04 2018

PHASE C - 8

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

DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrin
President
254 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2547
CELL: (760) 418-3728

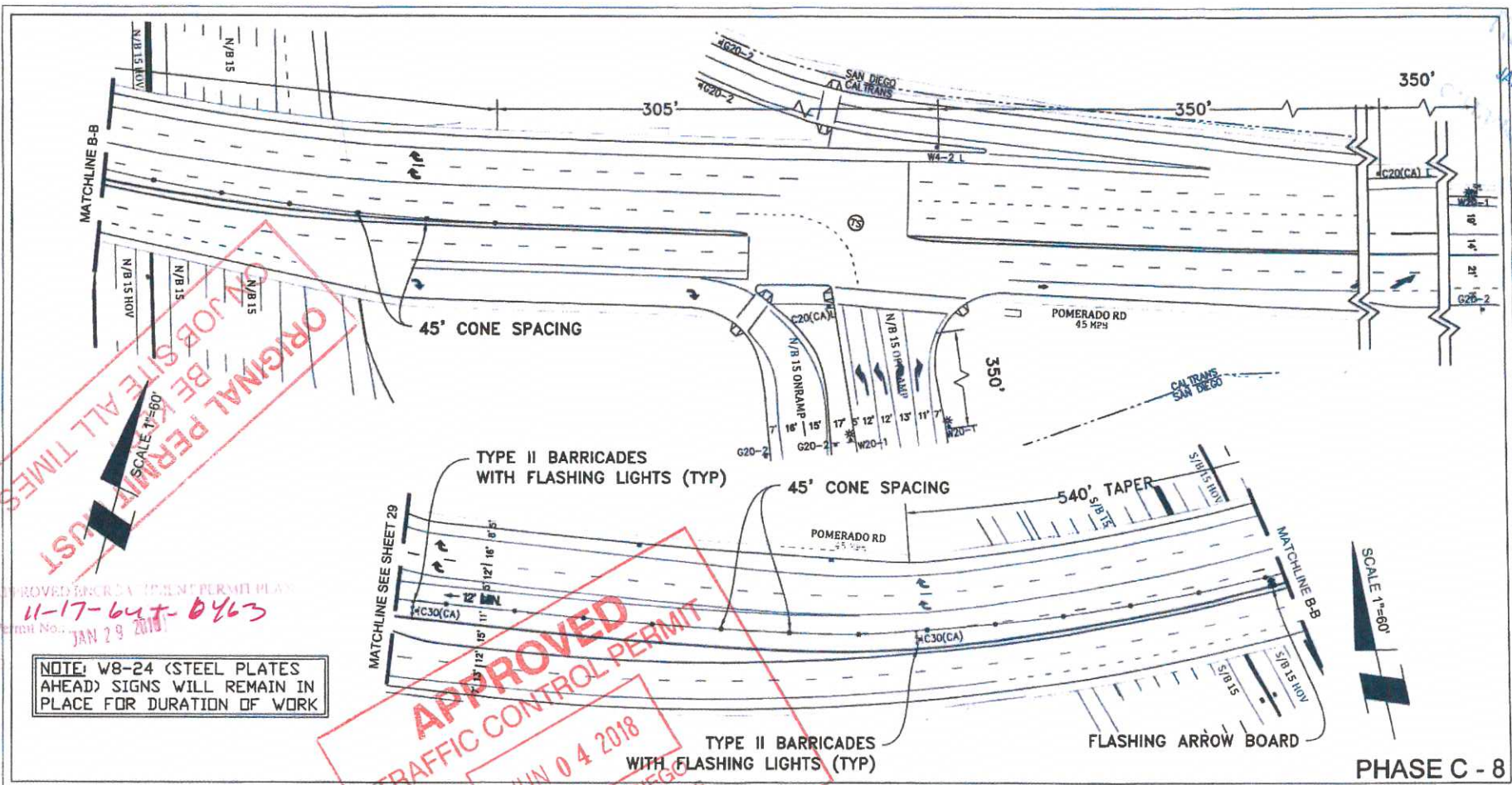
NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.365.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#:
THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT



SHEET 29 OF 48

JAN 24 2018



ORIGINAL PERMIT MUST BE KEPT AT ALL TIMES

APPROVED BY: CLINT JONES
 11-17-647-0463
 Permit No. JAN 29 2018

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

APPROVED

TRAFFIC CONTROL PERMIT

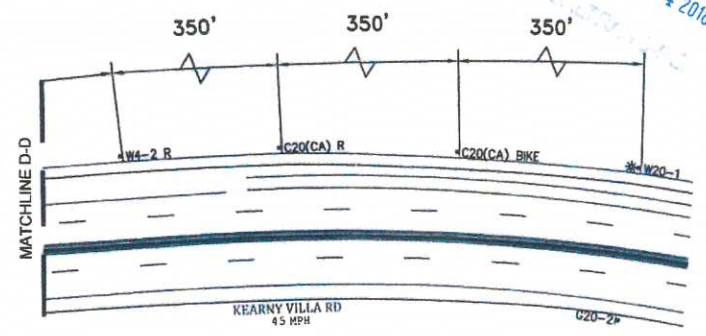
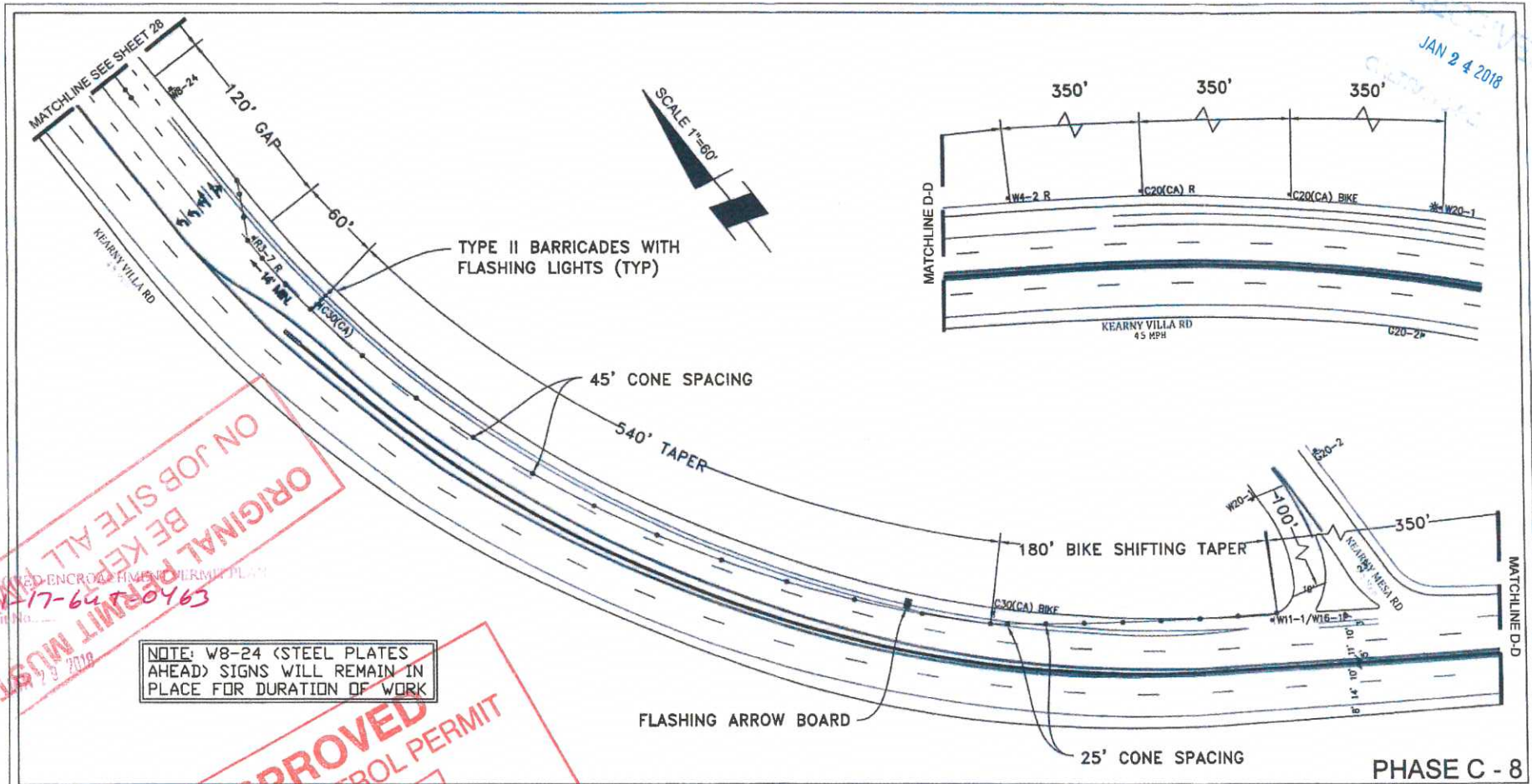
JUN 04 2018



PHASE C - 8

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 kV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
<p style="font-size: 0.8em;">Gail McMorran President</p>	<p style="font-size: 0.8em;">15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 858.585.0500 WWW.NV5.COM</p>	AIRX JOB#: X160218 MISC/POTHLES#: THOMAS GRID#: 1209-F	DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 30 OF 48	

JAN 24 2018



ON JOB SITE ALL TIMES
 ORIGINAL PERMIT MUST
 BE KEPT ON JOB SITE ALL TIMES
 17-6470463
 2018

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

APPROVED
 TRAFFIC CONTROL PERMIT
 JUN 14 2018
 NVS
 SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

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

AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2324 EAST EL MORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE (916) 480-2347
 CELL (916) 419-3728

15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 388 0900
 WWW.NVS.COM

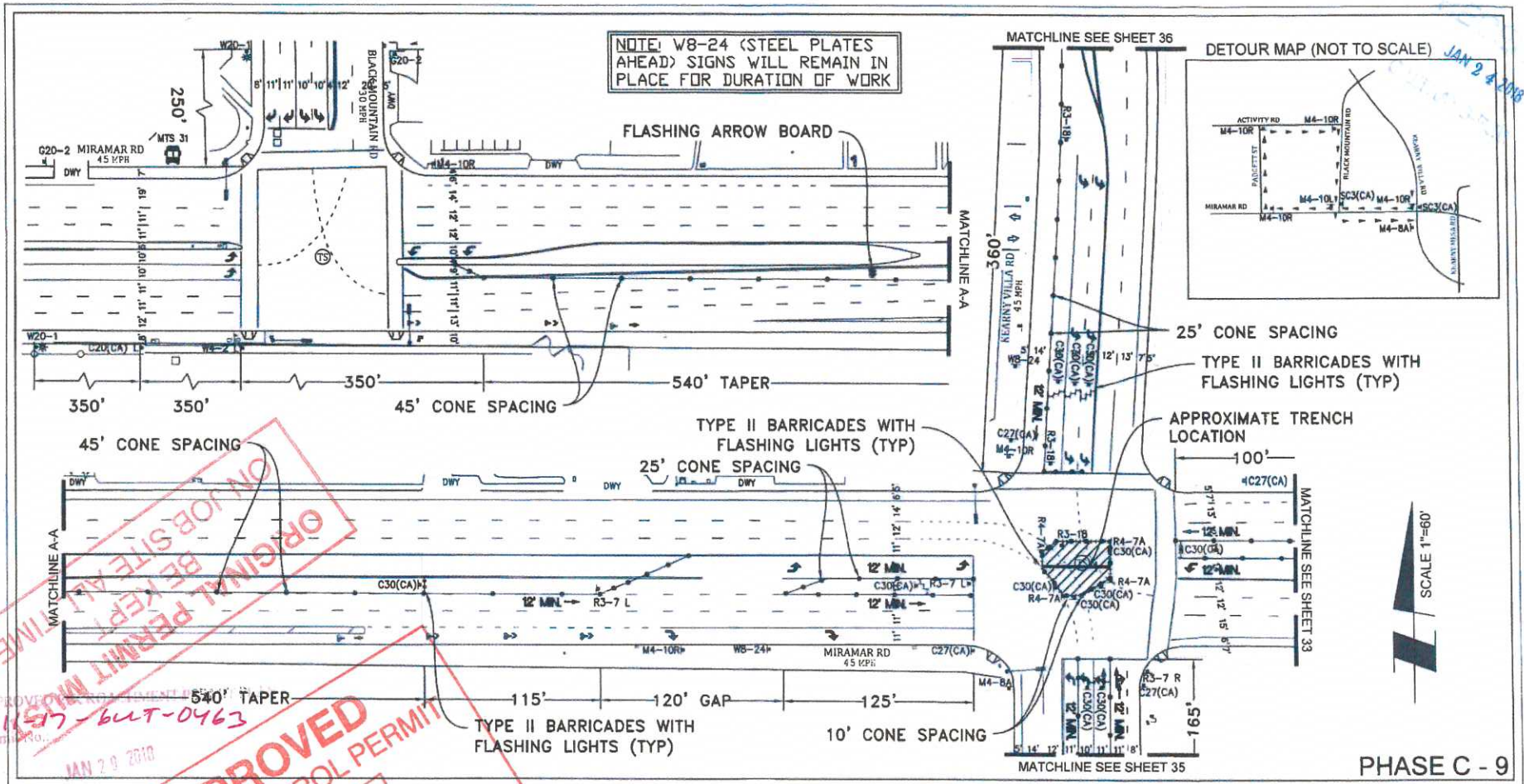
AIRX JOB#: X160218
 MISC/POTHoles:
 TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS



DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 31 OF 48



ORIGINAL PERMIT NUMBERS KEPT AT JOB SITE ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

JUN 04 2018

NVS

Development Services Engineering Division Traffic Safety Section

1517-647-0463

JAN 29 2018

PROJECT NAME: JL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

AIRX SURVEYORS, INC.
 2534 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO CA 92027
 PHONE (760) 882347
 CELL (760) 418-3738

NVS
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858-385-0500 WWW.NVS.COM

AIRX JOB#: X160218
 MISC/POTHOLE#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS

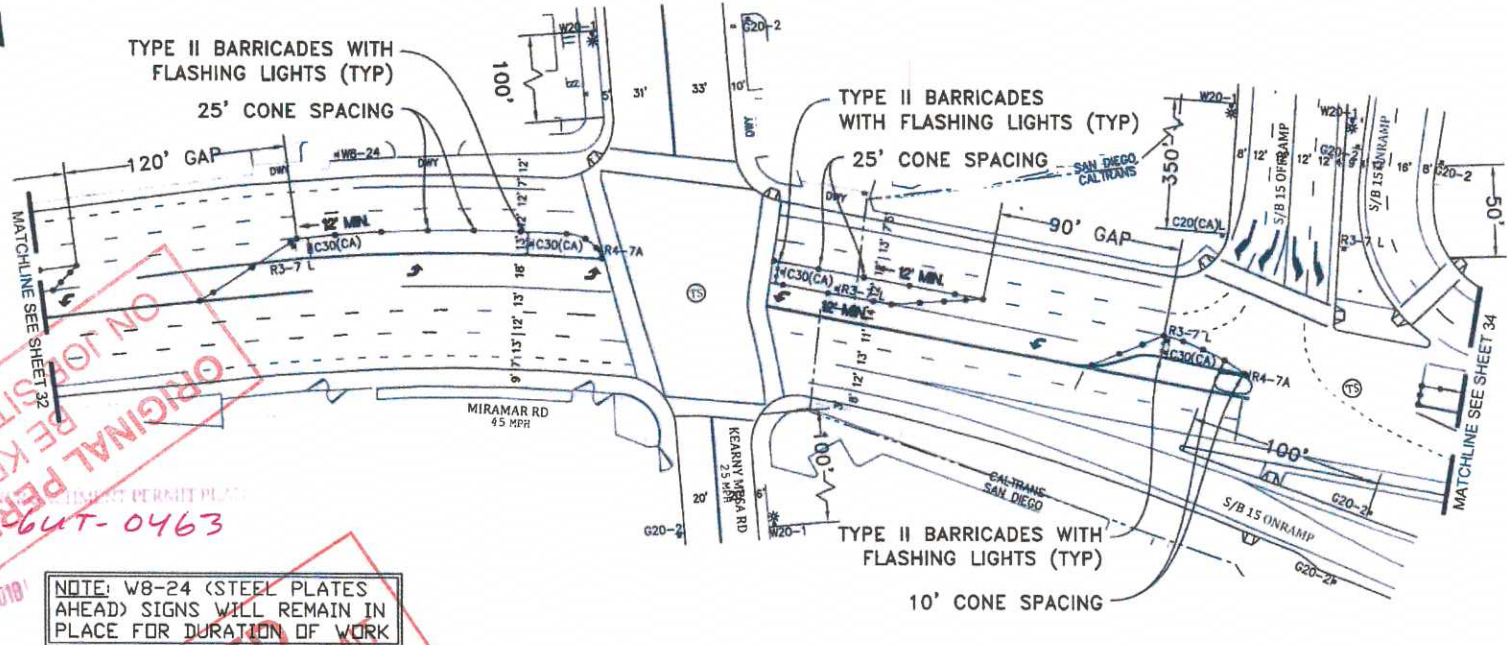


DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 32 OF 48

REVISIONS
 JAN 24 2018
 CLINT JONES

SCALE 1"=60'



NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

ON JOB SITE ALL TIMES
 ORIGINAL PERMIT MUST BE KEPT
 11-17-64T-0463
 JAN 29 2018

PHASE C - 9

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb



Gail McMorran
 President



AIR JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

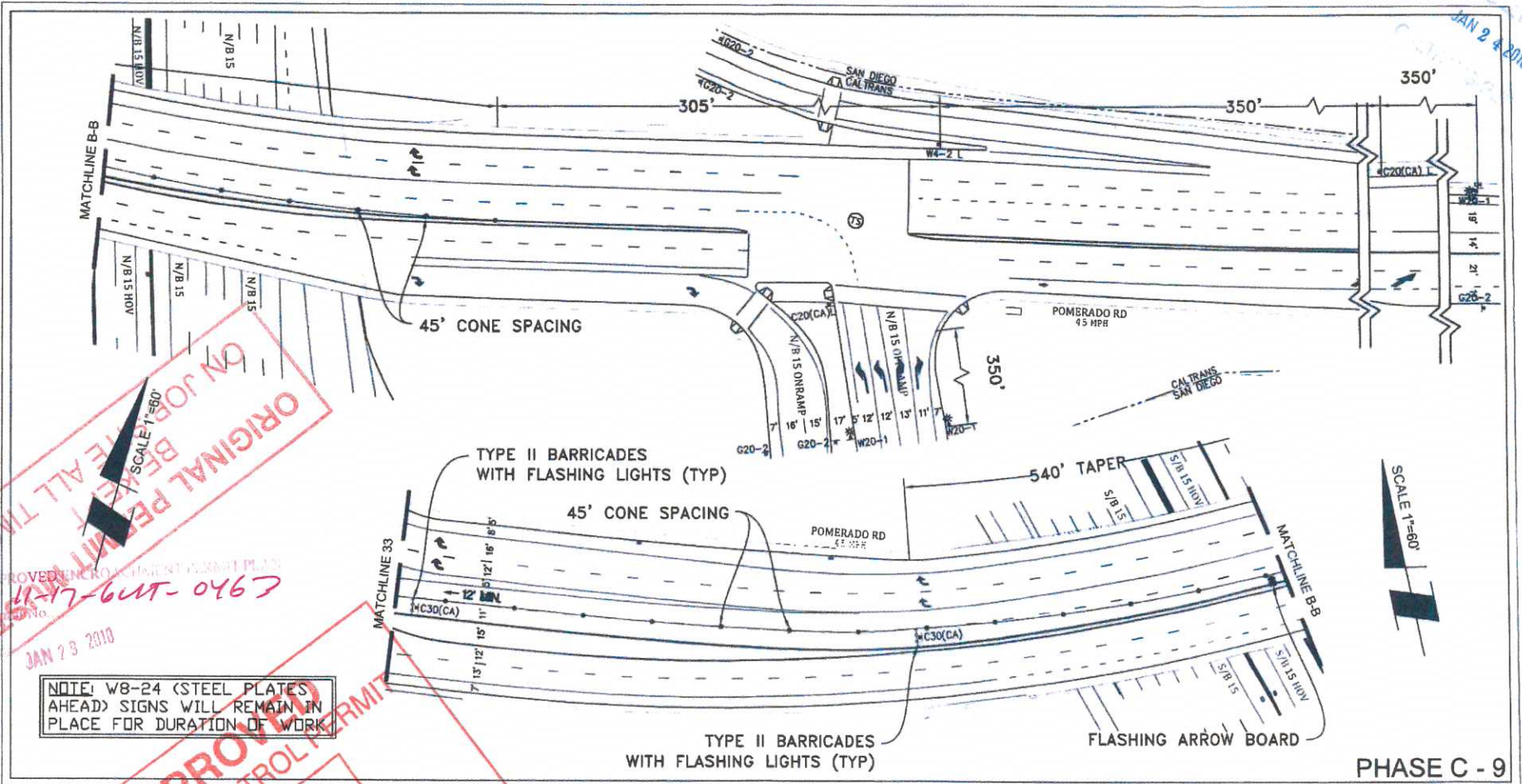
DRAWN FOR: CALTRANS

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 33 OF 48

JAN 24 2018



ORIGINAL PERMITS ON JOB BEHIND ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

JUN 04 2018

Approved by: [Signature]

Permit No. 17-641-0467

JAN 29 2010

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

PHASE C - 9

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

AIR SURVEYORS, INC.
 Gail McMorran
 Pres. client
 2534 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3238

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

Approved by: [Signature]

Permit No. 17-641-0467

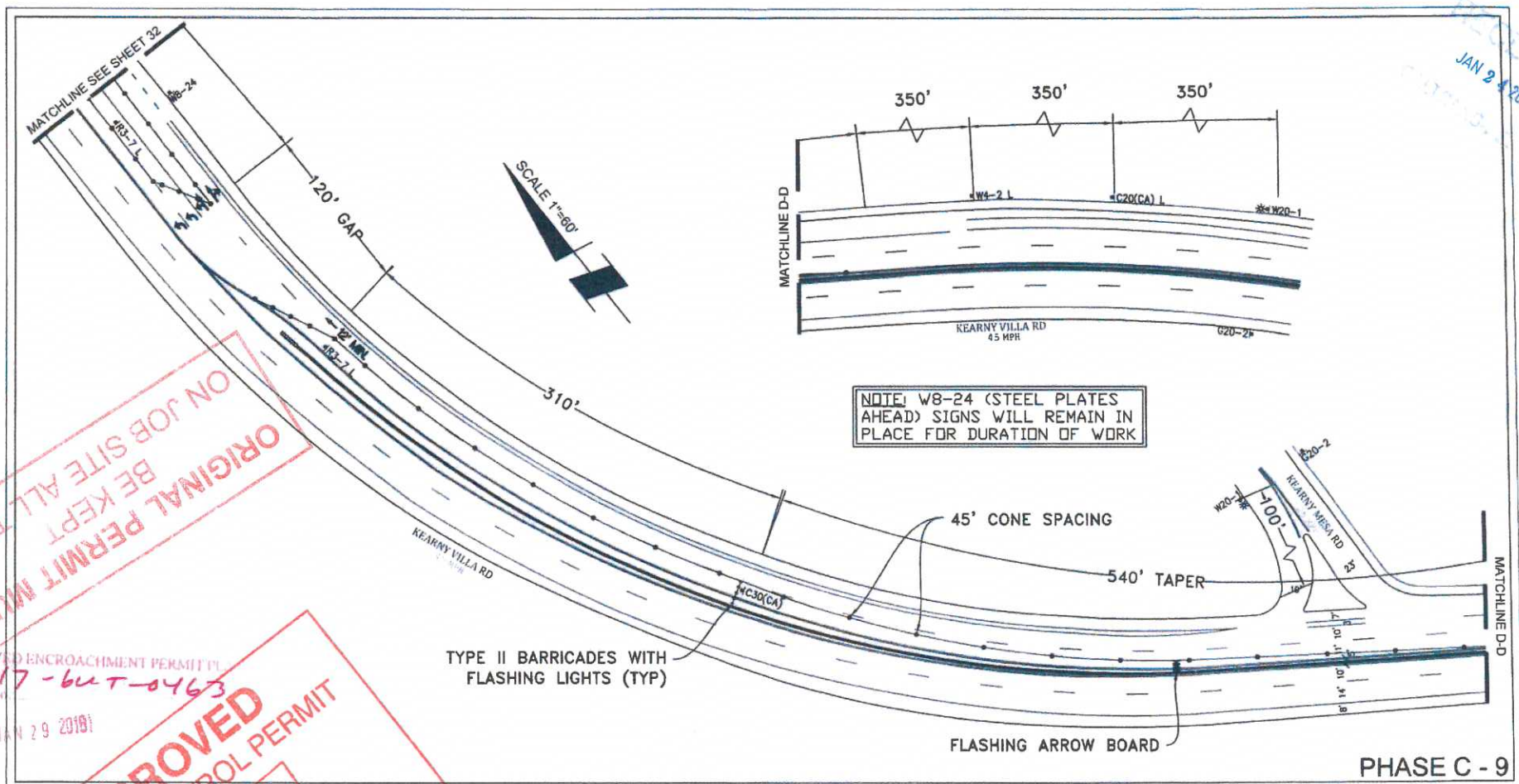
JAN 29 2010

AIRX JOB#: X160218
 THOMAS GRID#: 1209-F6
 MISC/POTHOLE#: _____
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT



SHEET 34 OF 48

JAN 24 2018



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

IMPROVED ENCROACHMENT PERMIT # 11-17-6UT-0463

JAN 29 2018

APPROVED
TRAFFIC CONTROL PERMIT

PHASE C - 9

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

AIRX
Gail McMorran
President
2534 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2247
CELL: (760) 414-3728

NVS
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 619-385-0500 WWW.NVS.COM

AIRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209--F6
DRAWN FOR: CALTRANS



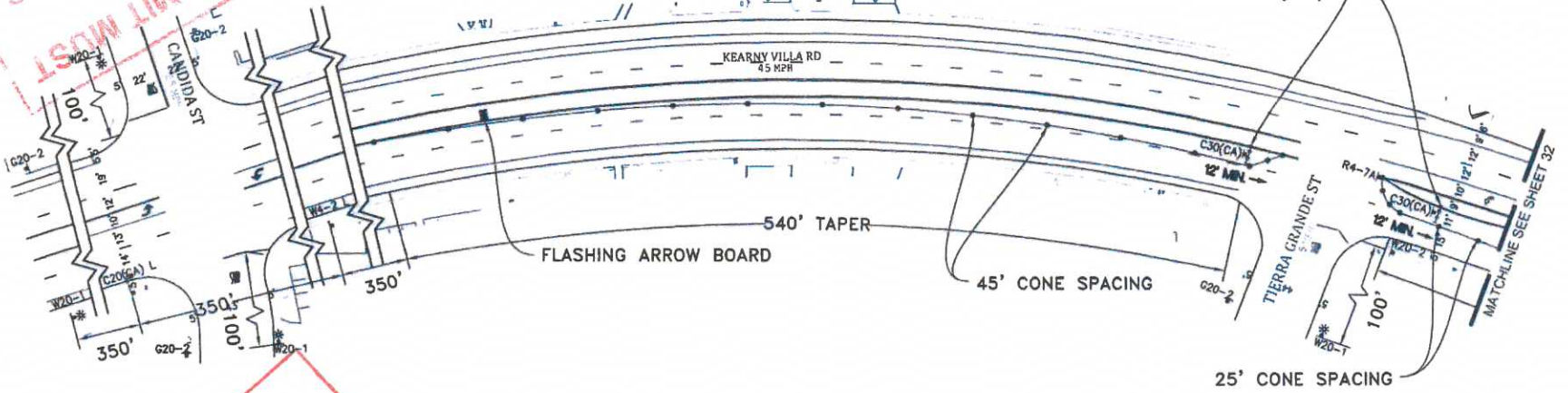
DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 35 OF 48

JAN 24 2018

SCALE 1"=60'

ORIGINAL PERMIT MUST BE KEPT ALL TIMES ON JOB SITE



NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

APPROVED ENCROACHMENT PERMIT
 11-17-64T-046
 Permit No.:
 JAN 29 2018

PHASE C - 9

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb



Gail McMorrin
 President

354 EAST EL NORTE PARKWAY SUITE C
 ESCOBARDO CA 92027
 PHONE: (760) 489-2541
 CELL: (760) 419-3728



15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 619.385.0500 WWW.NV5.COM

AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

DRAWN FOR: CALTRANS

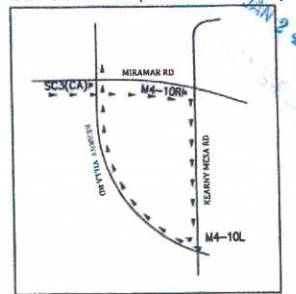
TYPE OF WORK: TRENCHING / CONDUIT



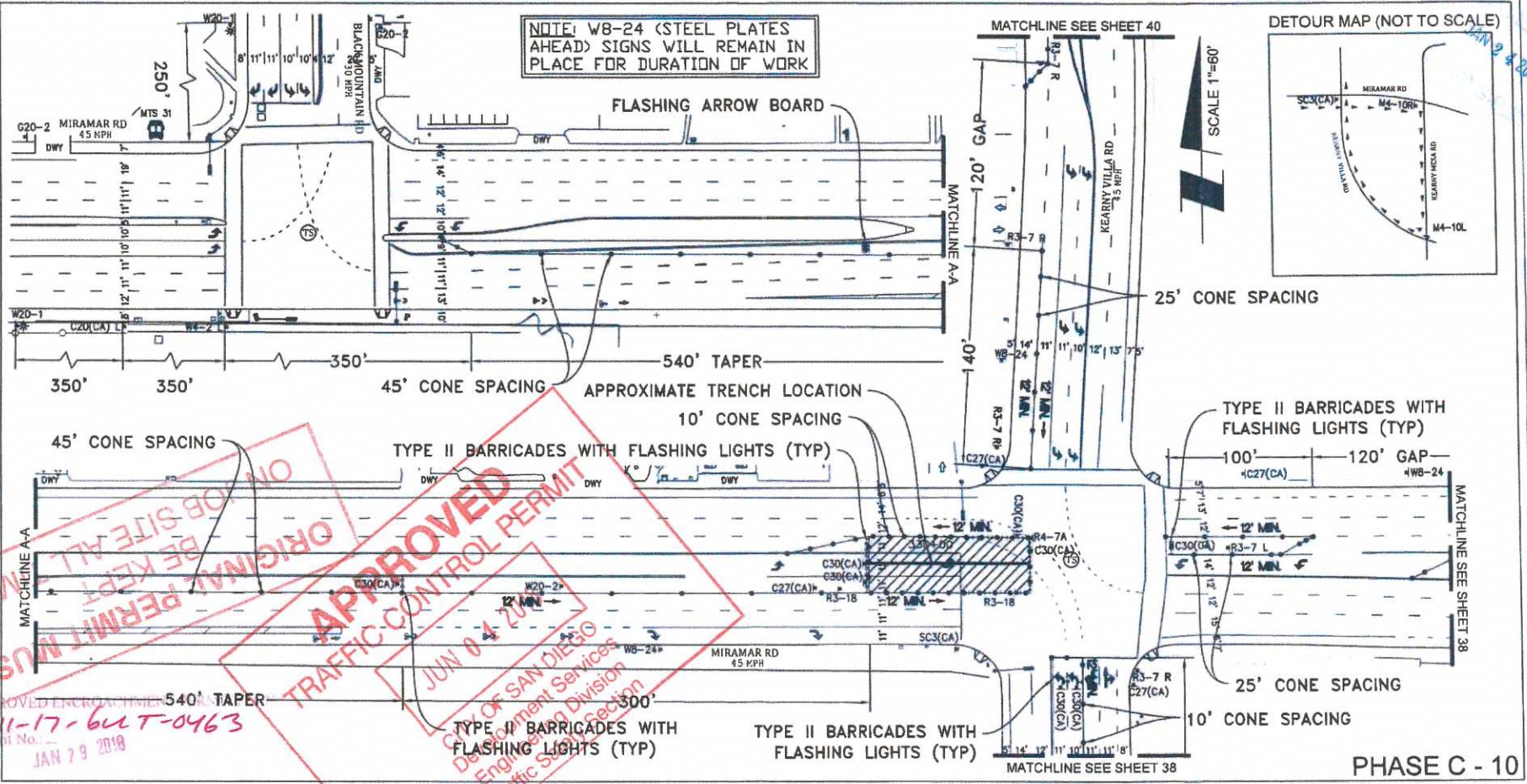
SHEET 36 OF 48

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

DETOUR MAP (NOT TO SCALE)



SCALE 1"=60'



ORIGINAL BE KEPT ALL TIMES
 APPROVED ENCROACHMENT PERMIT
 TRAFFIC CONTROL PERMIT
 JUN 04 2018
 CITY OF SAN DIEGO
 Department Services
 Engineering Division
 Traffic Section

APPROVED ENCROACHMENT PERMIT
 11-17-64 T-0463
 Permit No. ...
 JAN 29 2018

PHASE C - 10

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

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
 Gail McMoran
 President
 2534 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 465-2347
 CELL: (760) 419-3728

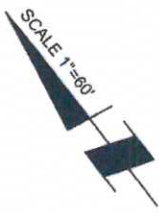
NIV5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 619 385 0500 WWW.NIV5.COM

AIRX JOB#: X160218
 THOMAS GRID#: 1209-F6
 MISC/POTHOLE#: _____
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT

REGISTERED PROFESSIONAL ENGINEER
 MARK H. WEBB
 No. 48322
 CIVIL
 STATE OF CALIFORNIA

SHEET 37 OF 48

JAN 24 2018



TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)
25' CONE SPACING

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)
25' CONE SPACING

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)
10' CONE SPACING

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

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

APPROVED ENCROACHMENT PERMIT PLAN
Permit No. 11-17-17-0463

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

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

AIRX SURVEYORS, INC.
Gail McMorrin
President
2534 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE (760) 860-2347
CELL (760) 418-3718

N|V|5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92126
P. 858.385.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

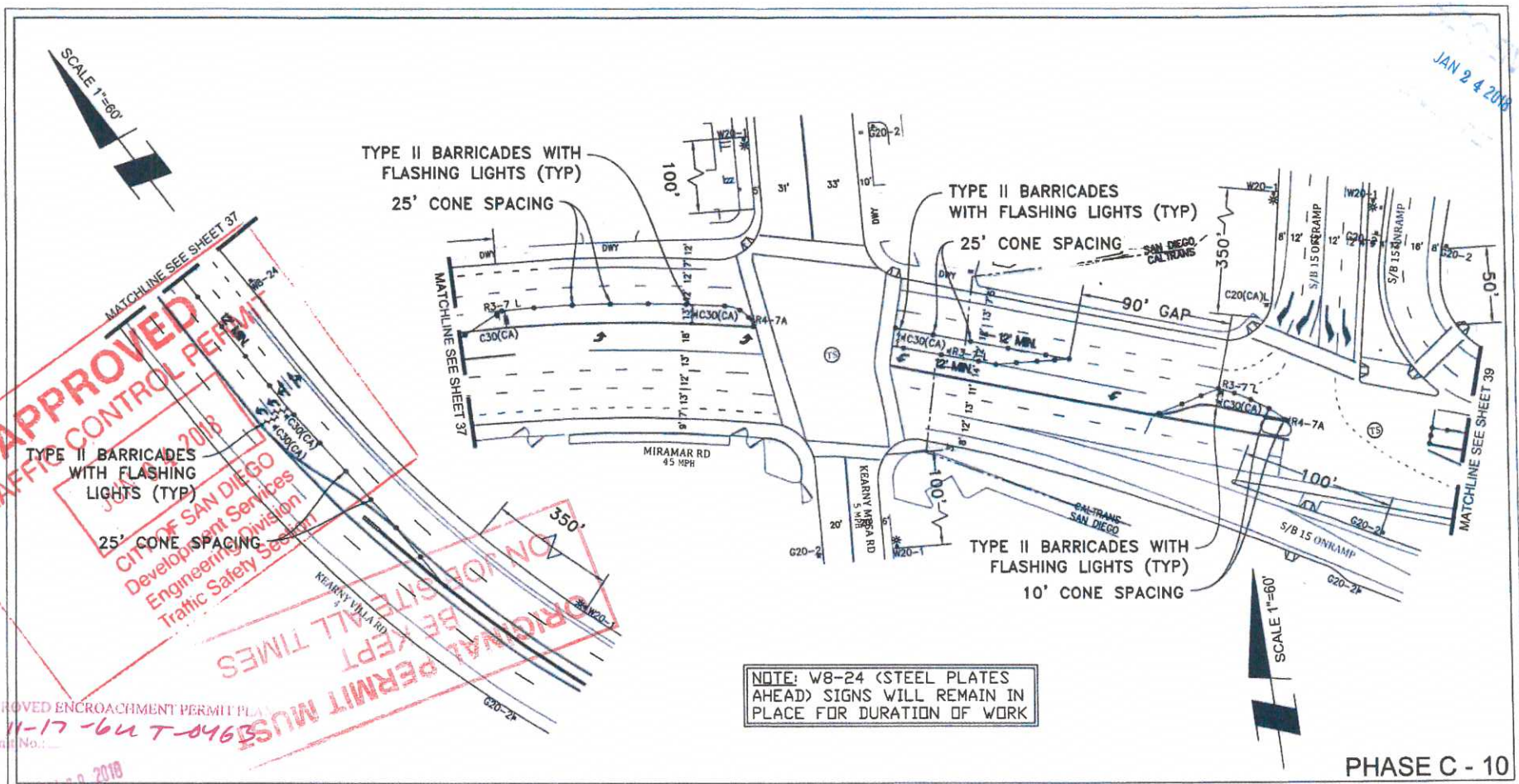
THOMAS GRID#: 1209--F6
DRAWN FOR: CALTRANS



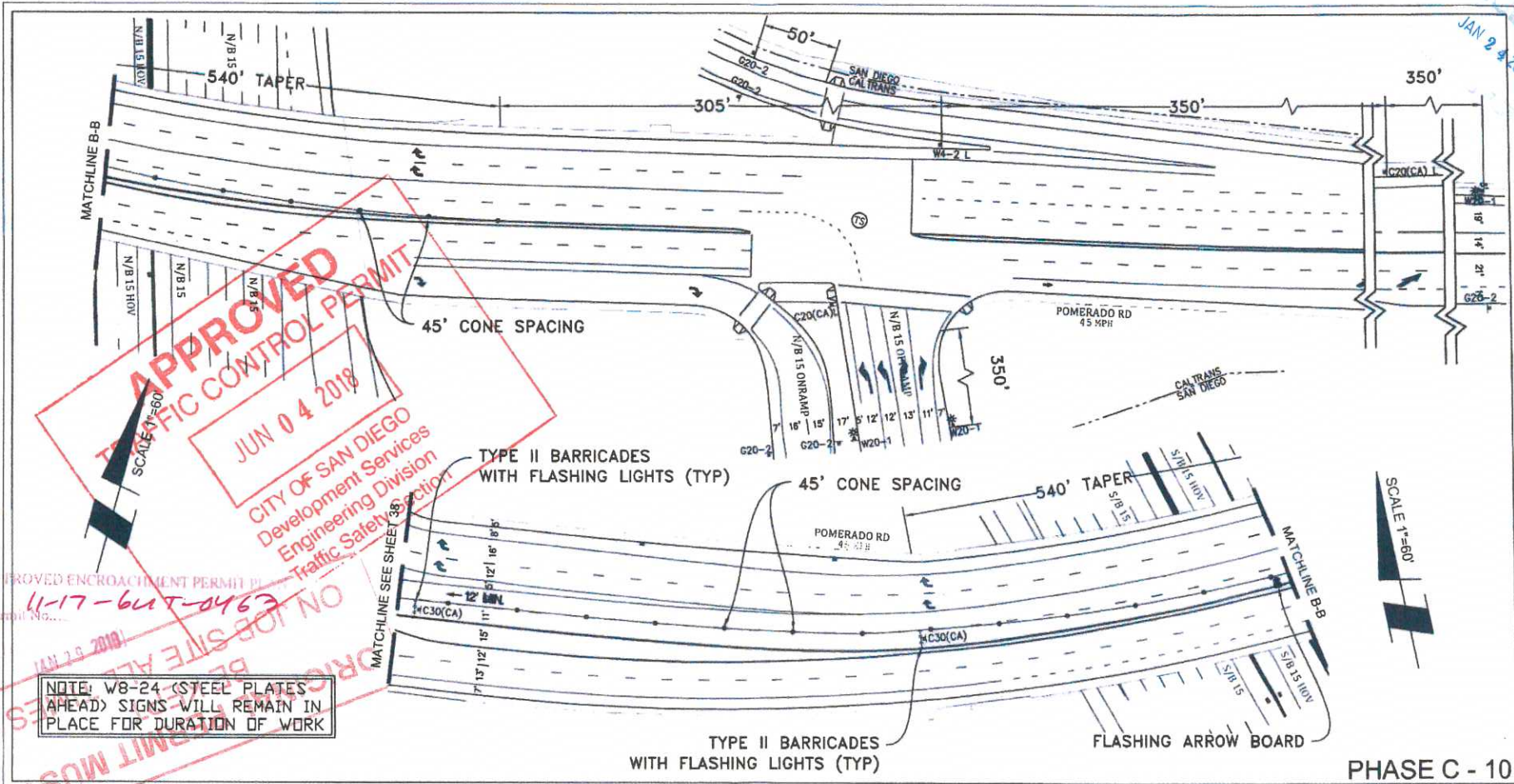
DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 38 OF 48

PHASE C - 10



JAN 24 2018



APPROVED
TRAFFIC CONTROL PERMIT
JUN 04 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

APPROVED ENCROACHMENT PERMIT
 Permit No. 11-17-647-0463

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

PHASE C - 10

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

AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2534 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 488-2347
 CELL: (760) 419-3738

N|V 5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92126
 P: 658 385.0500 WWW.NV5.COM

AIRX JOB#: X160218
 MISC/POTHOLE#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

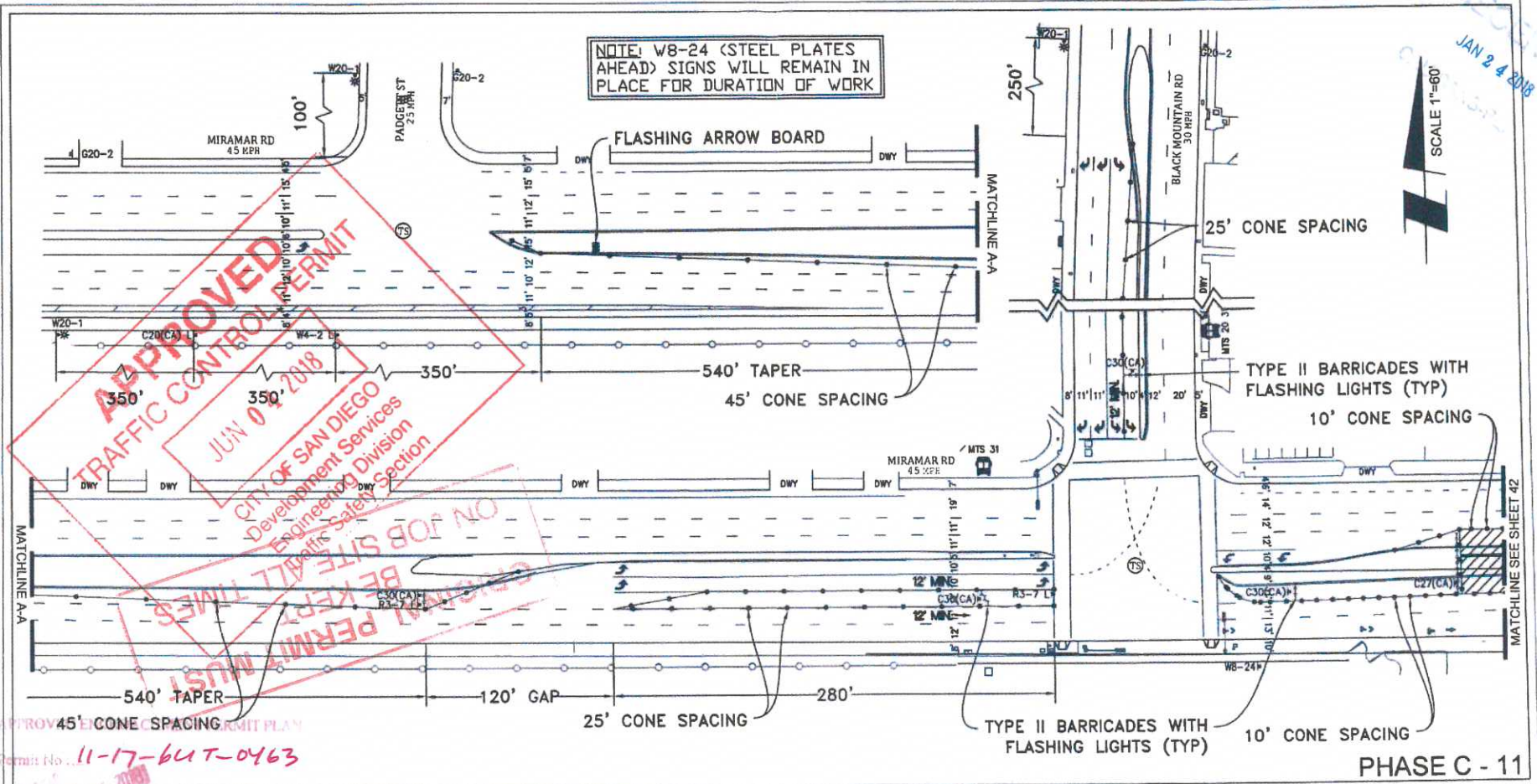
THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS



DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 39 OF 48

JAN 24 2018



APPROVED
 TRAFFIC CONTROL PERMIT
 JUN 0 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section
 ON JOB SITE ALL TIMES
 BE KEPT
 ORIGINAL PERMIT MUST
 BE KEPT ON JOB SITE

Permit No. 11-17-647-0463

PHASE C - 11

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

AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCOBEDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3728

NV5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385 0500 WWW.NV5.COM

AIRX JOB#: X160218
 MISC./POTHOLES#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

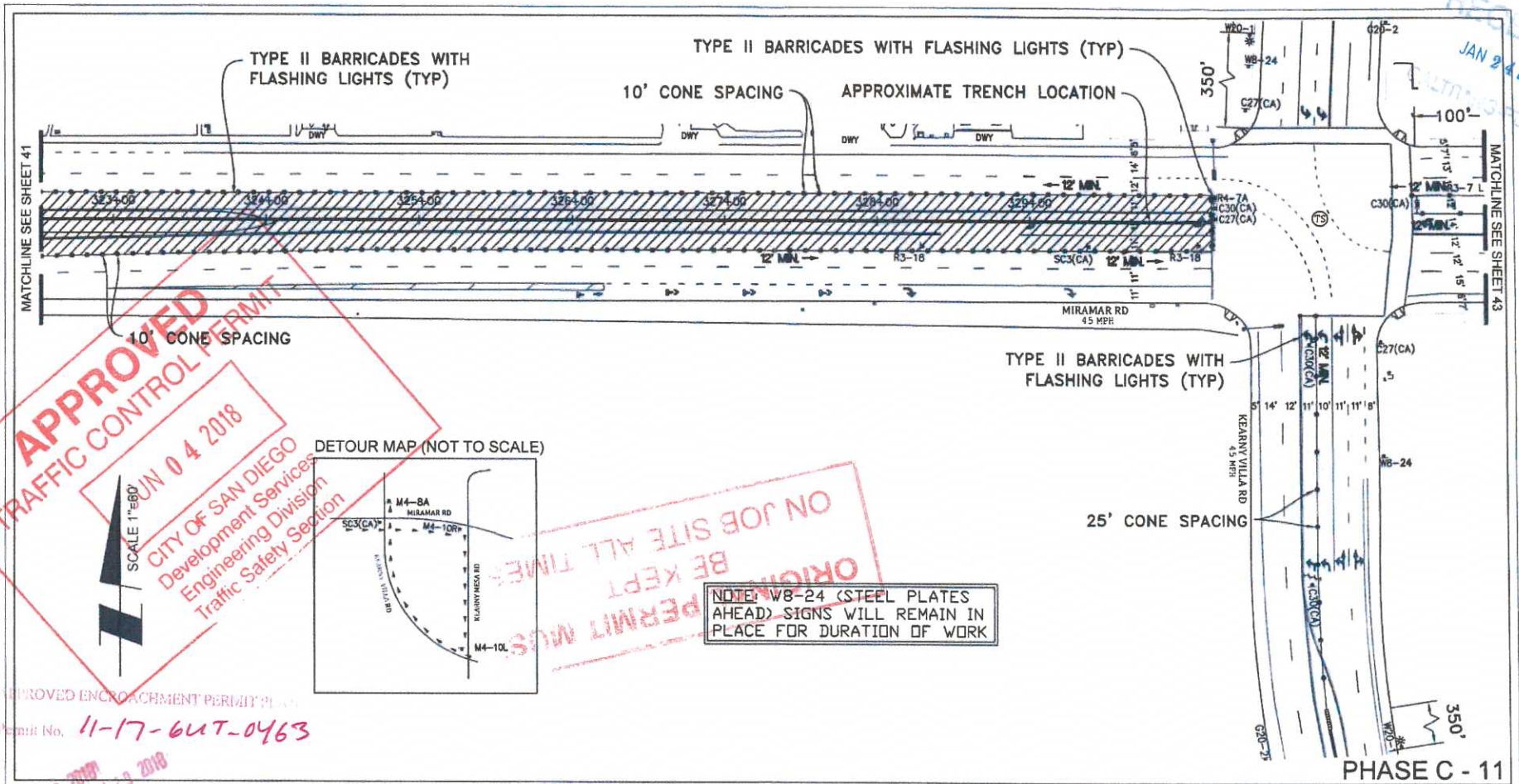
THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS

REGISTERED PROFESSIONAL ENGINEER
MARK H. WEBB
 No. 43328
 CIVIL
 STATE OF CALIFORNIA

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 41 OF 48

RECEIVED
JAN 24 2018
ULTRA-SPEED

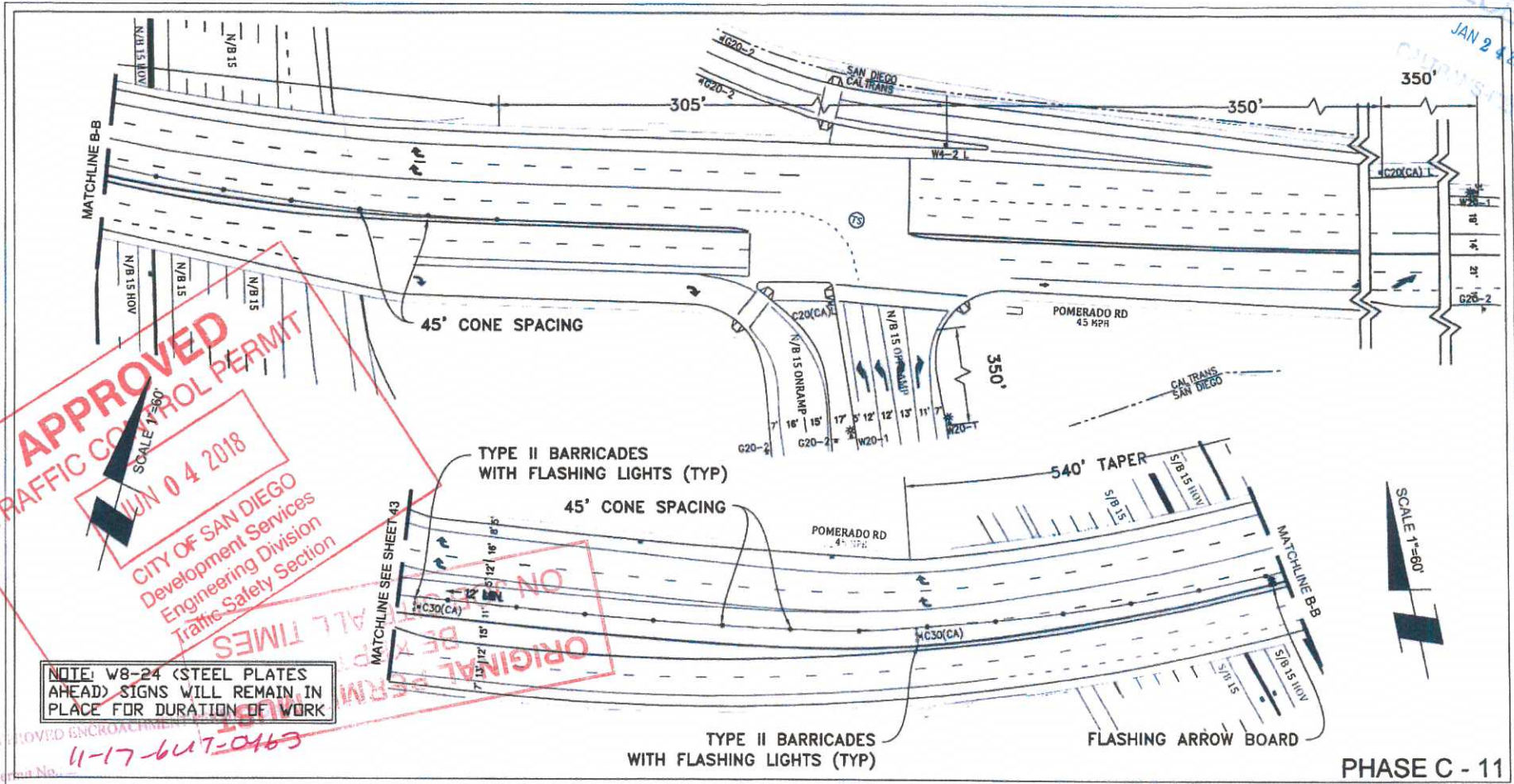


APPROVED
TRAFFIC CONTROL PERMIT
JAN 04 2018

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 Gail McMorrin President 2514 EAST EL NORTE PARKWAY, SUITE C ESCONDIDO, CA 92027 PHONE (760) 480-2547 CELL (760) 416-3726	 15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P. 658 365 0500 WWW.NV5.COM	AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		MISC/POTHOLE#:	DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT			
		SHEET 42 OF 48	

RECEIVED
JAN 24 2018
CALTRANS



APPROVED
TRAFFIC CONTROL PERMIT
SCALE 1"=80'
JAN 04 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

11-17-647-0163

PHASE C - 11

PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 Gail McMorran President 2334 EAST EL MORTE PARKWAY SUITE C ESCONDIDO, CA 92027 PHONE: (760) 960-0307 CELL: (760) 419-2729	 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: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT		 SHEET 44 OF 48	