



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: 4/23/2018

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 Avila

Yes X 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
Miramar Road	Padgett Street	Kearny Mesa Road	4/29/18	5/18/18	9:00PM - 5:00AM	1209-E6, F6	1,5,7,8
Black Mountain Road	Activity Road	Miramar Road	4/29/18	5/18/18	9:00PM - 5:00AM	1209-E6	6,8
Kearny Villa Road	Maya Linda Rd	Kearny Mesa Road	4/29/18	5/18/18	9:00PM - 5:00AM	1209-E5, E6, F6	6,8
Kearny Mesa Road	Miramar Road	End of Kearny Mesa Road	4/29/18	5/18/18	9:00PM - 5:00AM	1209-F6	1,5,7,8

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

ATTENTION UTILITY COMPANY

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

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

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 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLUENT	CONFLUENT
20	180	80	40	20	30	40	10	
25	250	125	63	42	25	50	12	
30	360	180	90	60	30	60	15	
35	490	245	123	83	35	70	17	
40	640	320	160	107	40	80	20	
45	1080	540	270	180	45	90	20	
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 for L:
For speed of 40 mph or less, $L = WS/4$
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 channelization.

TABLE 2
LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED * mph	DOWNGRADE Min. D ***		
	-3%	-6%	-9%
20	116	120	128
25	150	158	165
30	200	205	215
35	250	257	271
40	305	315	333
45	360	376	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 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
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 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

AIRX SURVEYORS, INC. Gail McMorran, President
254 EAST EL NORTE PARKWAY, SUITE C, ESCONIDO, CA 92027
PHONE: (951) 490-2547 CELL: (760) 419-3128

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

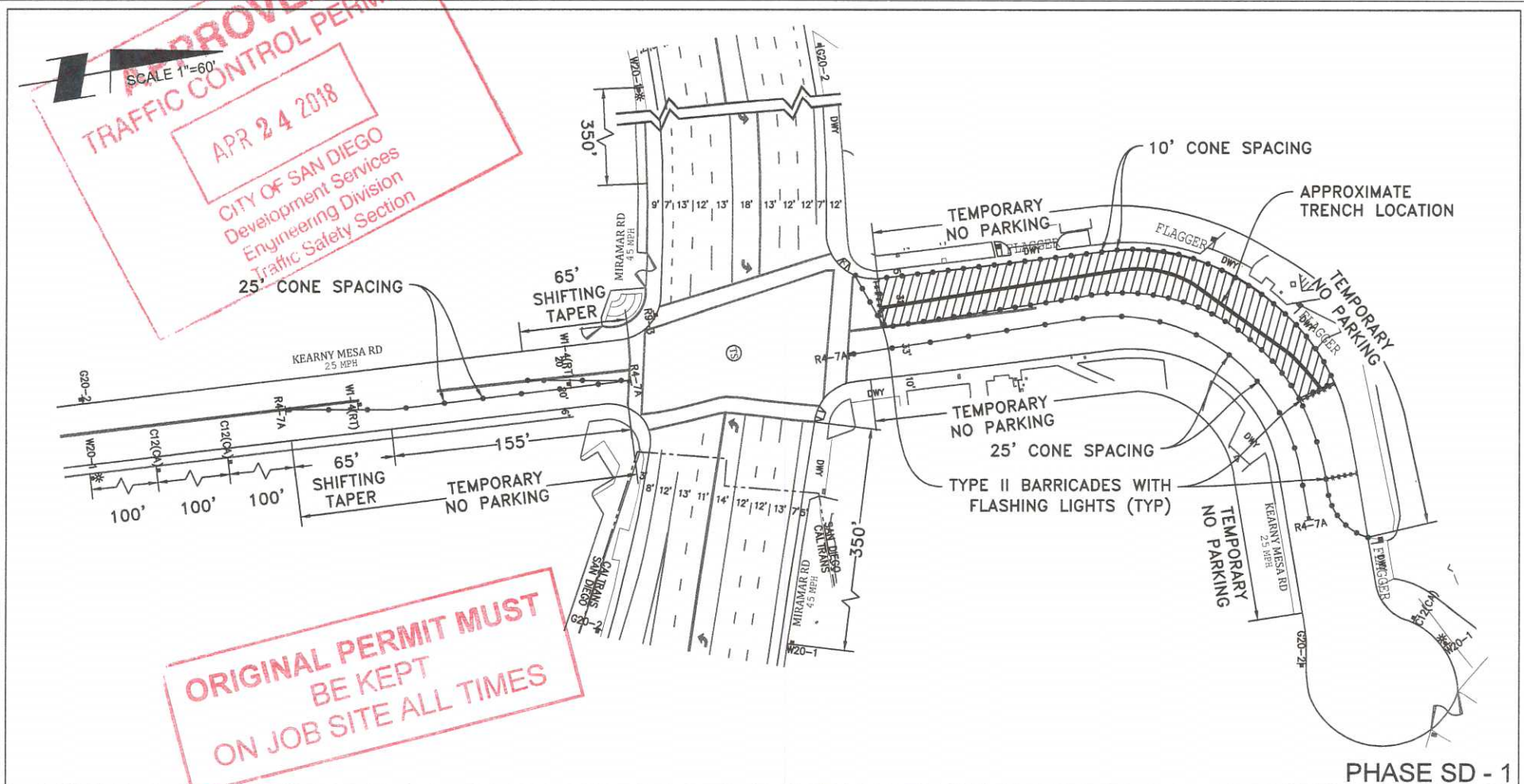
AIRX JOB#: X160218
THOMAS GRID#: 1209-F6
MISC/POTHLES#:
DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT

SHEET 1 OF 4



APPROVED
TRAFFIC CONTROL PERMIT
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section
APR 4 2018
ORIGINAL PERMIT MUST
BE KEPT
ON JOB SITE ALL TIMES

APPROVED
 SCALE 1"=60'
TRAFFIC CONTROL PERMIT
APR 24 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: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: 1/4/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 AIRX UTILITY SURVEYORS, INC. Gail McMorrán President 2554 EAST EL NORTE PARKWAY, SUITE C ESCONDIDO, CA 92027 PHONE: (760) 480-2347 CELL: (760) 413-3738	 NVS 15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 858.385.0500 WWW.NVS.COM	AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		MISC/POTHOLE#:	DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 2 OF 4	

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JAN 24 2018
CALTRANS

SIGN LEGEND

APPROVED
 TRAFFIC CONTROL PERMIT
 APR 24 2018
 City of San Diego
 Engineering Division
 Traffic Safety Section

TABLE 1
TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (mi/h)	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING			
	TANGENT	MERGING L/2	SHOULDER L/2	TAPER L/2	TANGENT	CONES	FLAGGER STATION	SPACING
20	160	80	40	27	20	80	10	25
25	250	125	63	42	25	50	15	25
30	360	180	90	60	30	30	20	25
35	490	245	123	82	35	70	25	25
40	640	320	160	107	40	80	30	25
45	800	400	200	135	45	30	35	25
50	1000	500	250	170	50	150	25	25
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65	1560	780	390	260	50	100	25	25
70	1680	840	420	280	50	100	25	25
75	1800	900	450	300	50	100	25	25

TABLE 2
LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

DOWNGRADE %	SPEED (mi/h)		
	15	20	25
-3%	116	116	116
-4%	116	116	116
-5%	116	116	116
-6%	116	116	116
-7%	116	116	116
-8%	116	116	116
-9%	116	116	116
-10%	116	116	116
-11%	116	116	116
-12%	116	116	116
-13%	116	116	116
-14%	116	116	116
-15%	116	116	116
-16%	116	116	116
-17%	116	116	116
-18%	116	116	116
-19%	116	116	116
-20%	116	116	116
-21%	116	116	116
-22%	116	116	116
-23%	116	116	116
-24%	116	116	116
-25%	116	116	116
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-28%	116	116	116
-29%	116	116	116
-30%	116	116	116
-31%	116	116	116
-32%	116	116	116
-33%	116	116	116
-34%	116	116	116
-35%	116	116	116
-36%	116	116	116
-37%	116	116	116
-38%	116	116	116
-39%	116	116	116
-40%	116	116	116
-41%	116	116	116
-42%	116	116	116
-43%	116	116	116
-44%	116	116	116
-45%	116	116	116
-46%	116	116	116
-47%	116	116	116
-48%	116	116	116
-49%	116	116	116
-50%	116	116	116

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	500	2540

* - The distances are approximate, use them 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
- ZONEGUARD
- SIGN WITH PORTABLE FLASHING BEACON
- QUADGUARD II CRASH CUSHION
- CALTRANS CRASH ARRAY TU17

APPROVED
11-17-2017
JAN 9 2018

ORIGINAL PERMIT MUST
 BE KEPT
 AT 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

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

NIV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 365 0500 WWW.NIV5.COM

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

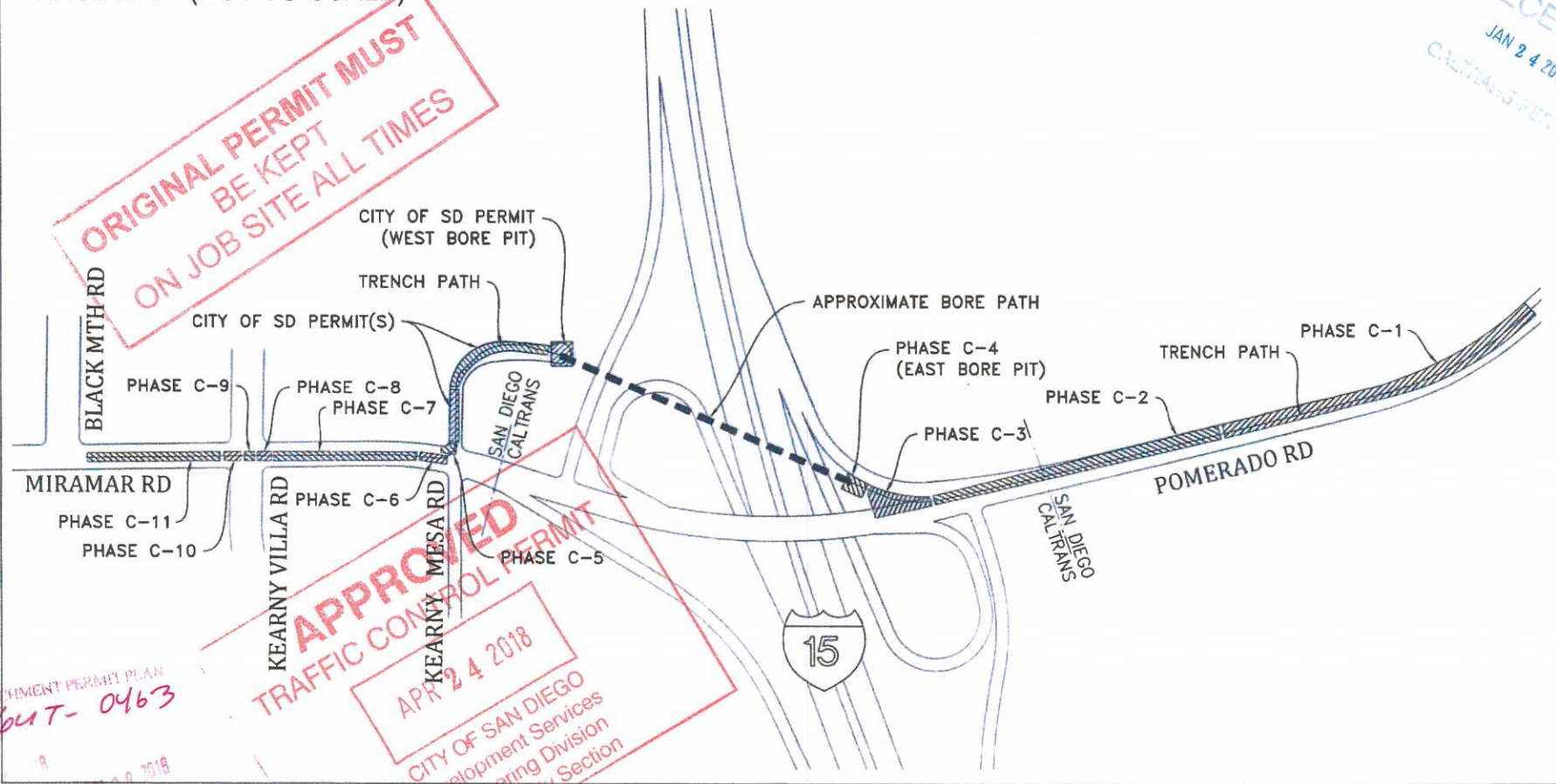
REGISTERED
MARK H. WEBB
No. 46328
CIVIL
STATE OF CALIFORNIA

SHEET 1 OF 48

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 JAN 24 2018
 CALTRANS PERMITS

PHASE MAP: (NOT TO SCALE)

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



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

OVERLAP ENCROACHMENT PERMIT PLAN
 11-17-647-0463
 1/22/2018

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) 489-2347
 CELL: (760) 419-3728

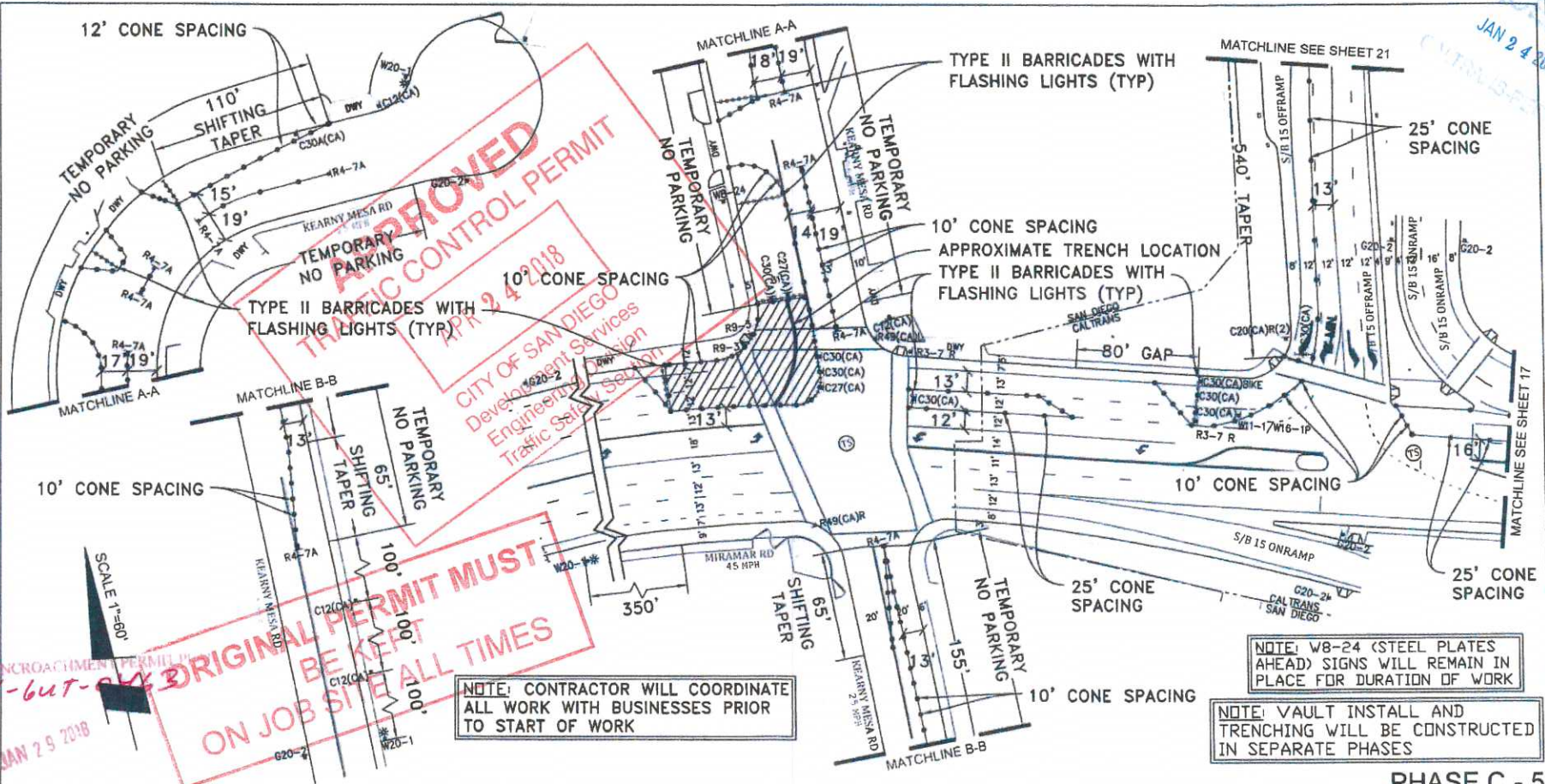
NVS
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385 0500 WWW.NVS.COM

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

REGISTERED PROFESSIONAL ENGINEER
 MARK H. WEBB
 No. AEC328
 CIVIL
 STATE OF CALIFORNIA

DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb
SHEET 2 OF 48

JAN 24 2018



APPROVED ENCROACHMENT PERMIT
 11-17-6ut-613
 Permit No.:
 JAN 29 2018

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE AT ALL TIMES

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 JOB#: X160218	THOMAS GRID#: 1209-FG	SHEET 16 OF 48	
MISC/POTHOLE#:	DRAWN FOR: SAN DIEGO		
TYPE OF WORK: TRENCHING / CONDUIT			

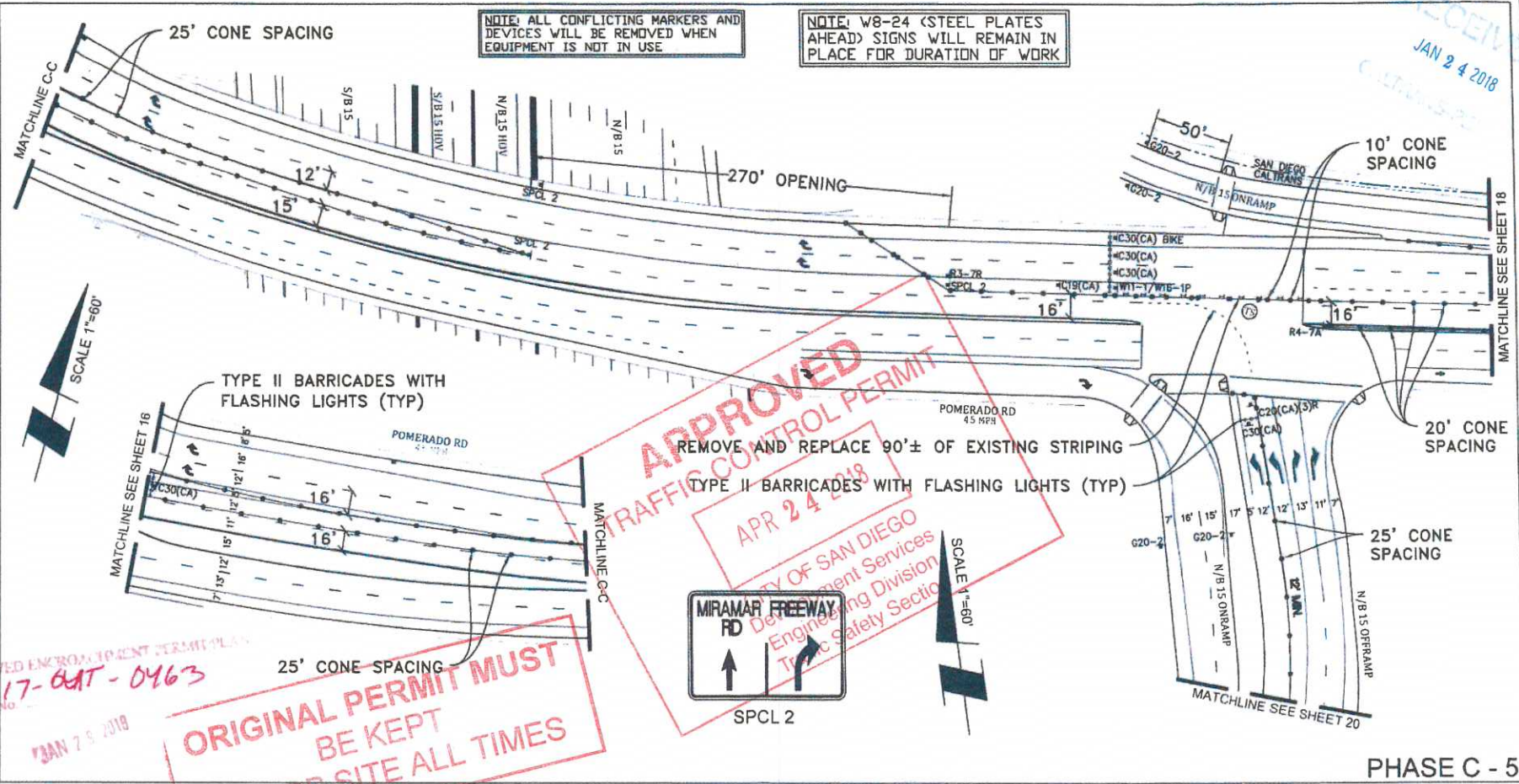
AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2531 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 485-2347
 CELL: (760) 418-3738

N|V|5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385 0500 WWW.NV5.COM

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NOTE: ALL CONFLICTING MARKERS AND DEVICES WILL BE REMOVED WHEN EQUIPMENT IS NOT IN USE

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



APPROVED ENVIRONMENTAL PERMIT PLAN
11-17-CAT-0463
Permit No.

JAN 29 2018

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

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

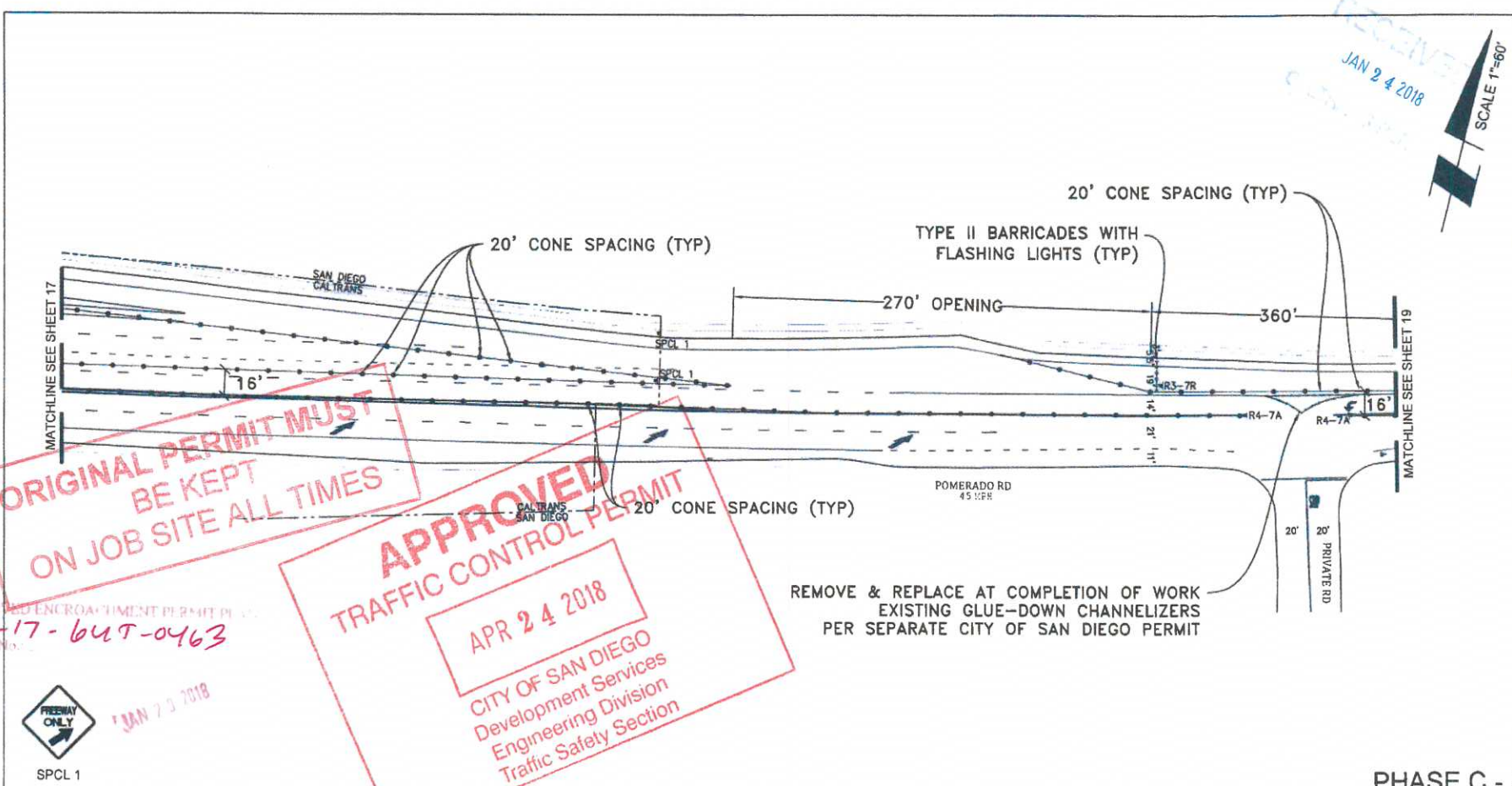
PHASE C - 5

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

AIRX SURVEYORS, INC.
Gail McMorran
President
1534 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2247
CELL: (760) 419-3728

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

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 JAN 24 2018
 SCALE 1"=60'



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED TRAFFIC CONTROL PERMIT

APR 24 2018

CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

PROPOSED ENCROACHMENT PERMIT NO. 11-17-64T-0463
 Permit No.



JAN 23 2018

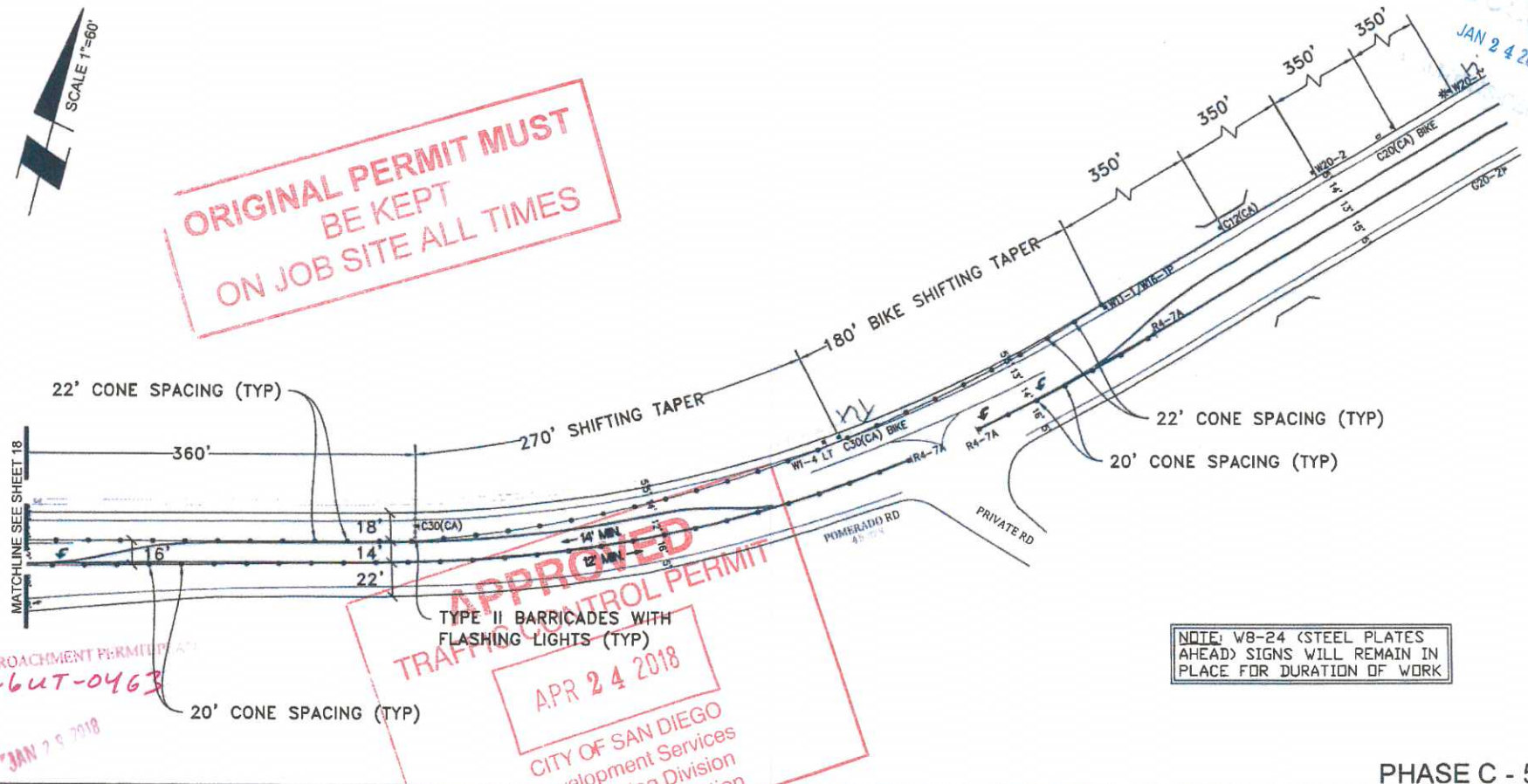
PHASE C - 5

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
		AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		MISC/POTHOLE#:	DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT			
		SHEET 18 OF 48	



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

JAN 24 2018



APPROVED ENCROACHMENT PERMIT
11-17-6UT-0463
Permit No.

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

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
7534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 418-3738

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

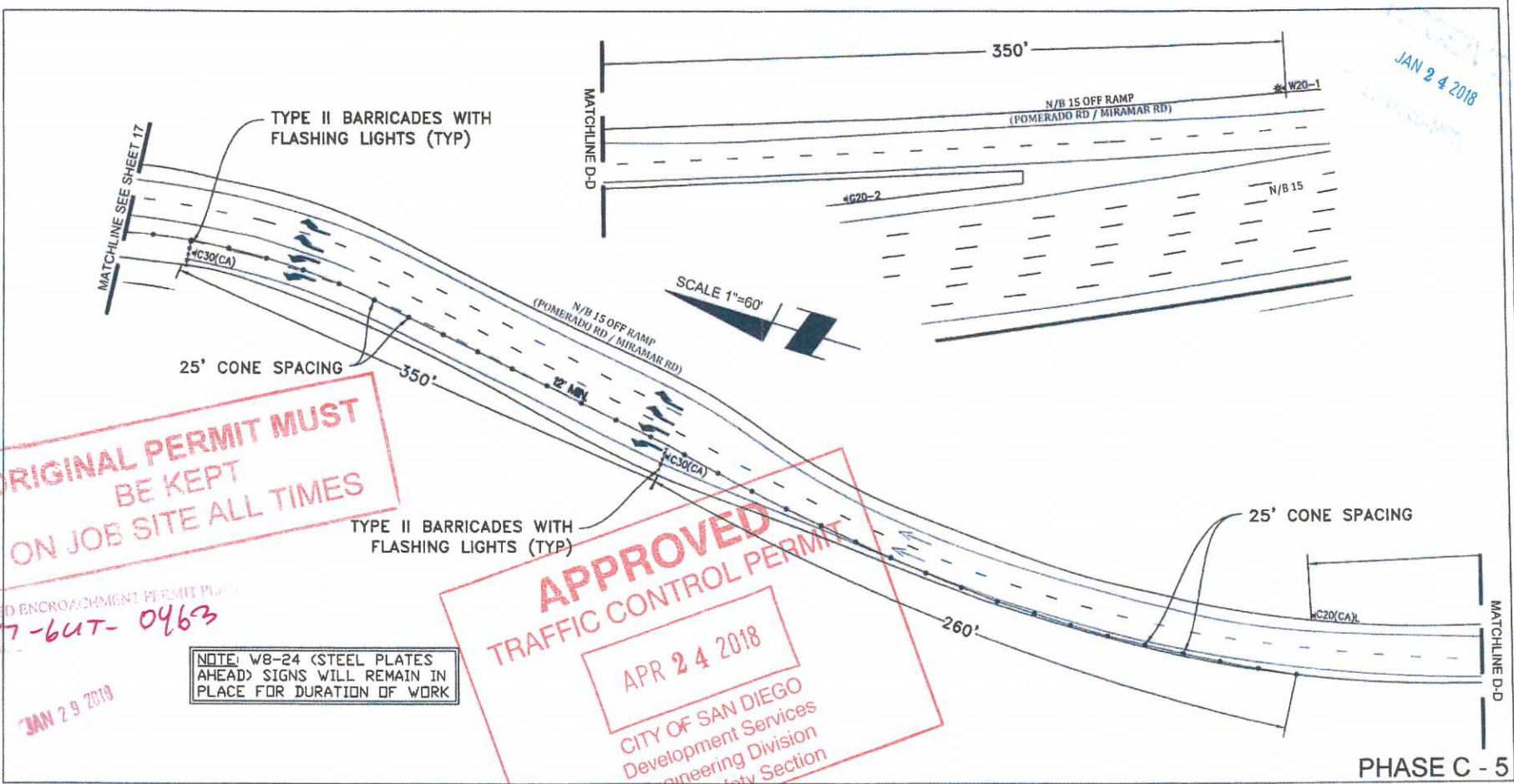
AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

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



SHEET 19 OF 48

JAN 24 2018



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

**APPROVED
TRAFFIC CONTROL PERMIT**
APR 24 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

IMPROVED ENCROACHMENT PERMIT PLU
11-17-6UT-0463
Permit No.

JAN 29 2018

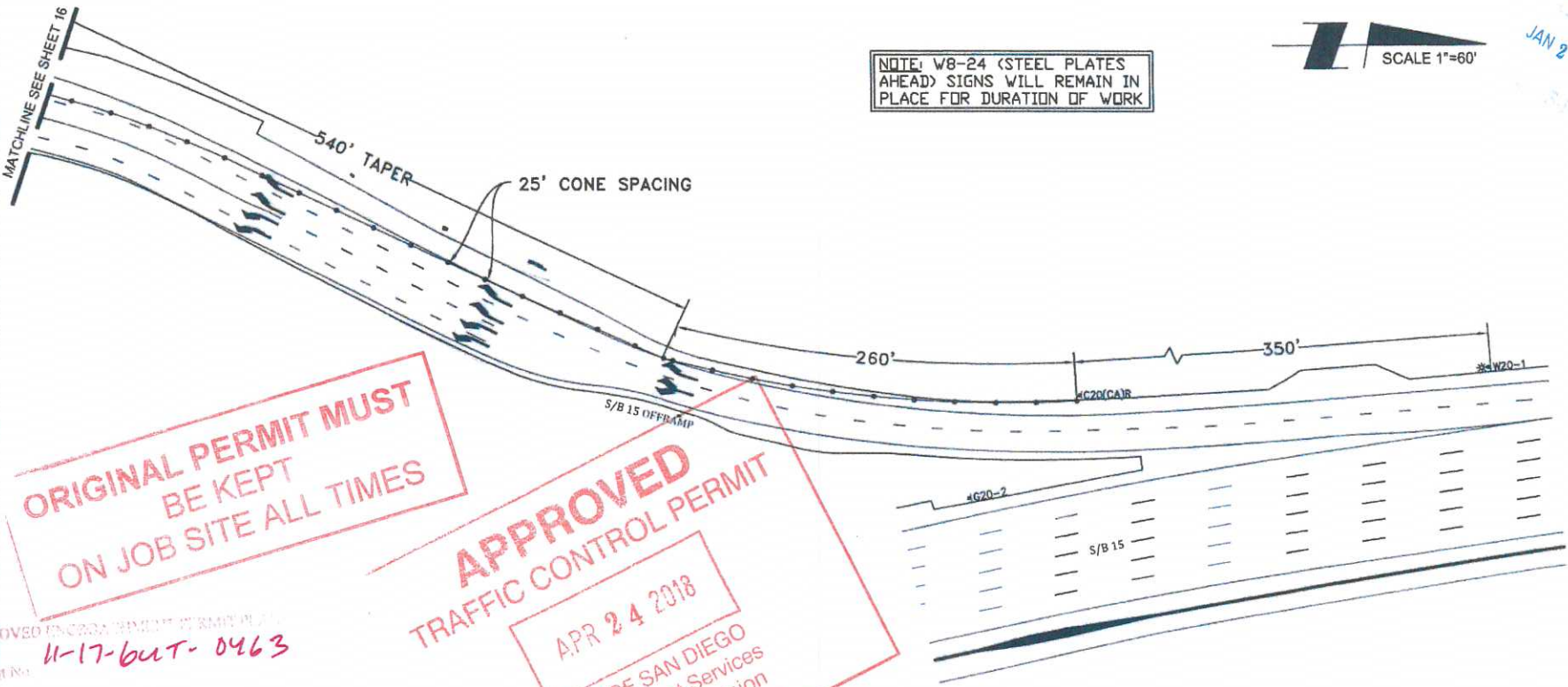
PHASE C - 5

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
 Gail McMorrin President 2534 EAST EL NORTE PARKWAY SUITE C ESCONDIDO, CA 92027 PHONE: (760) 480-3347 CELL: (760) 419-3728	 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 20 OF 48	



JAN 24 2018

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



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED TRAFFIC CONTROL PERMIT
APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

APPROVED (ENCLOSURE) PERMIT NO. 11-17-but-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 McMorrin
President
2524 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE (760) 480-2347
CELL (760) 419-3738

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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



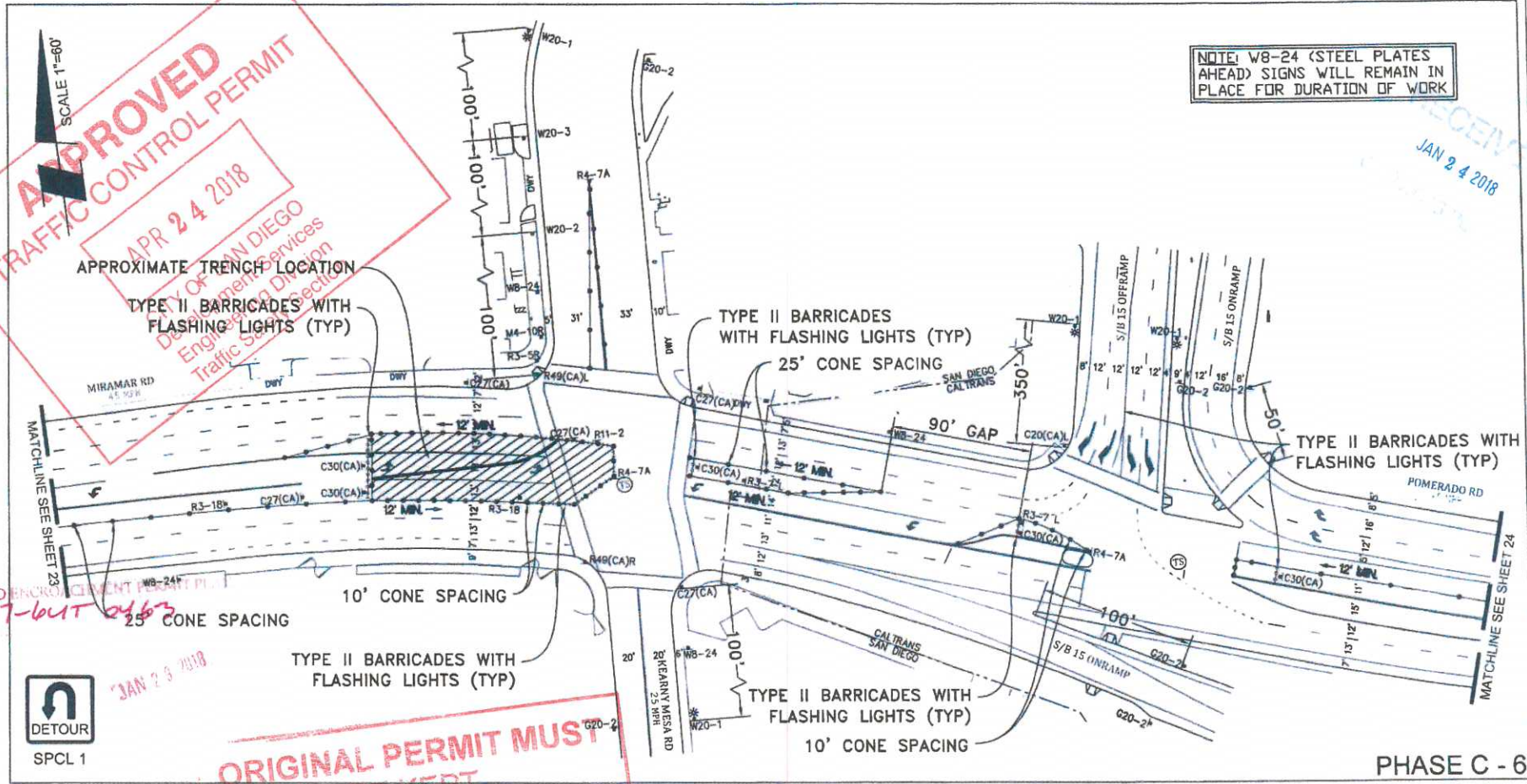
TYPE OF WORK: TRENCHING / CONDUIT

SHEET 21 OF 48

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

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

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IMPROVED ENCLOSURE PERMIT PL. 1
 11-17-6417 2463
 Permit No

JAN 23 2018

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE AT ALL TIMES

PHASE C - 6

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) 486-2347
 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/POTHOLES#: _____
 TYPE OF WORK: TRENCHING / CONDUIT

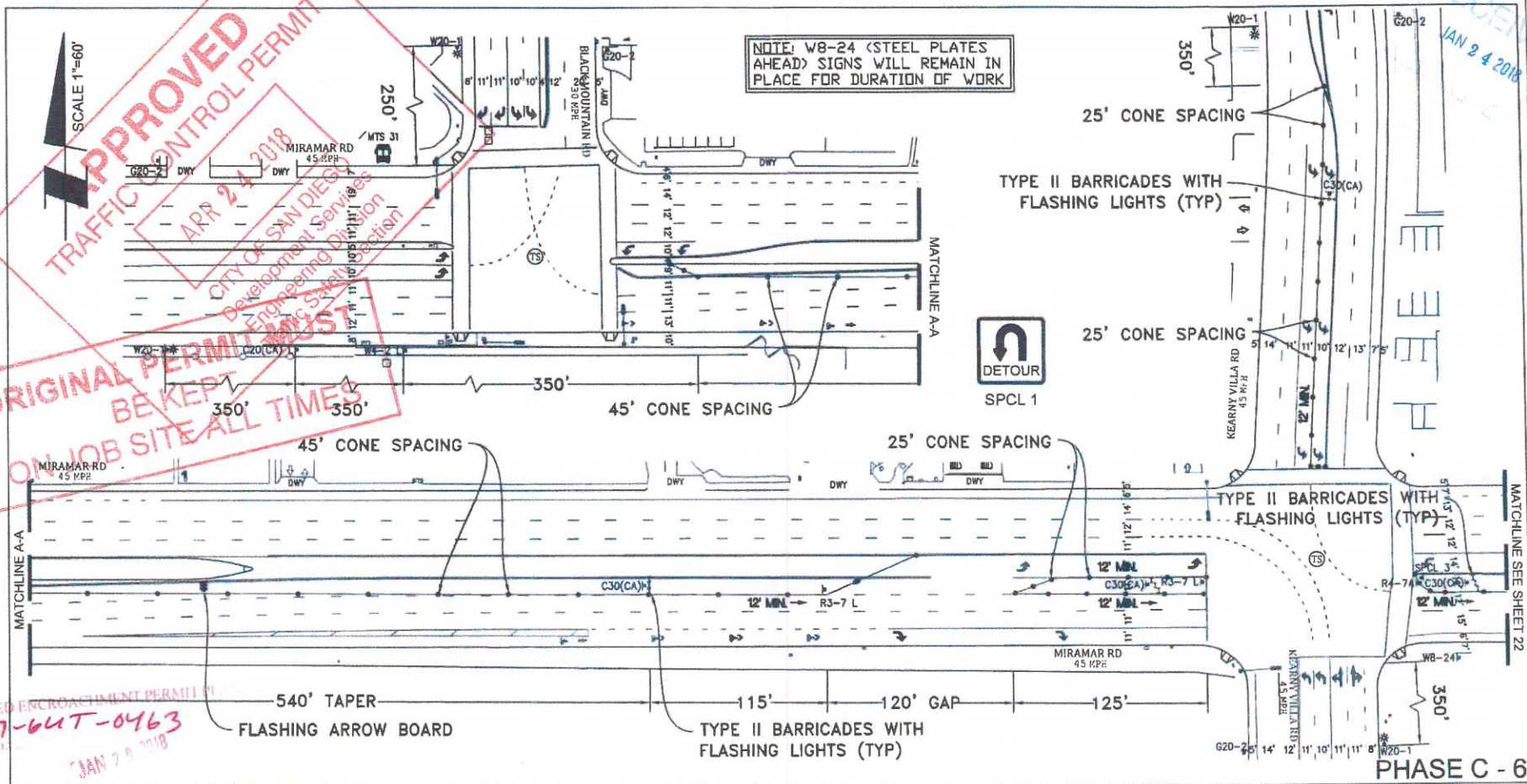
THOMAS GRID#: 1209-F6
 DRAWN FOR: SAN DIEGO

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

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

SHEET 22 OF 48

APPROVED
 JAN 24 2018



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

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

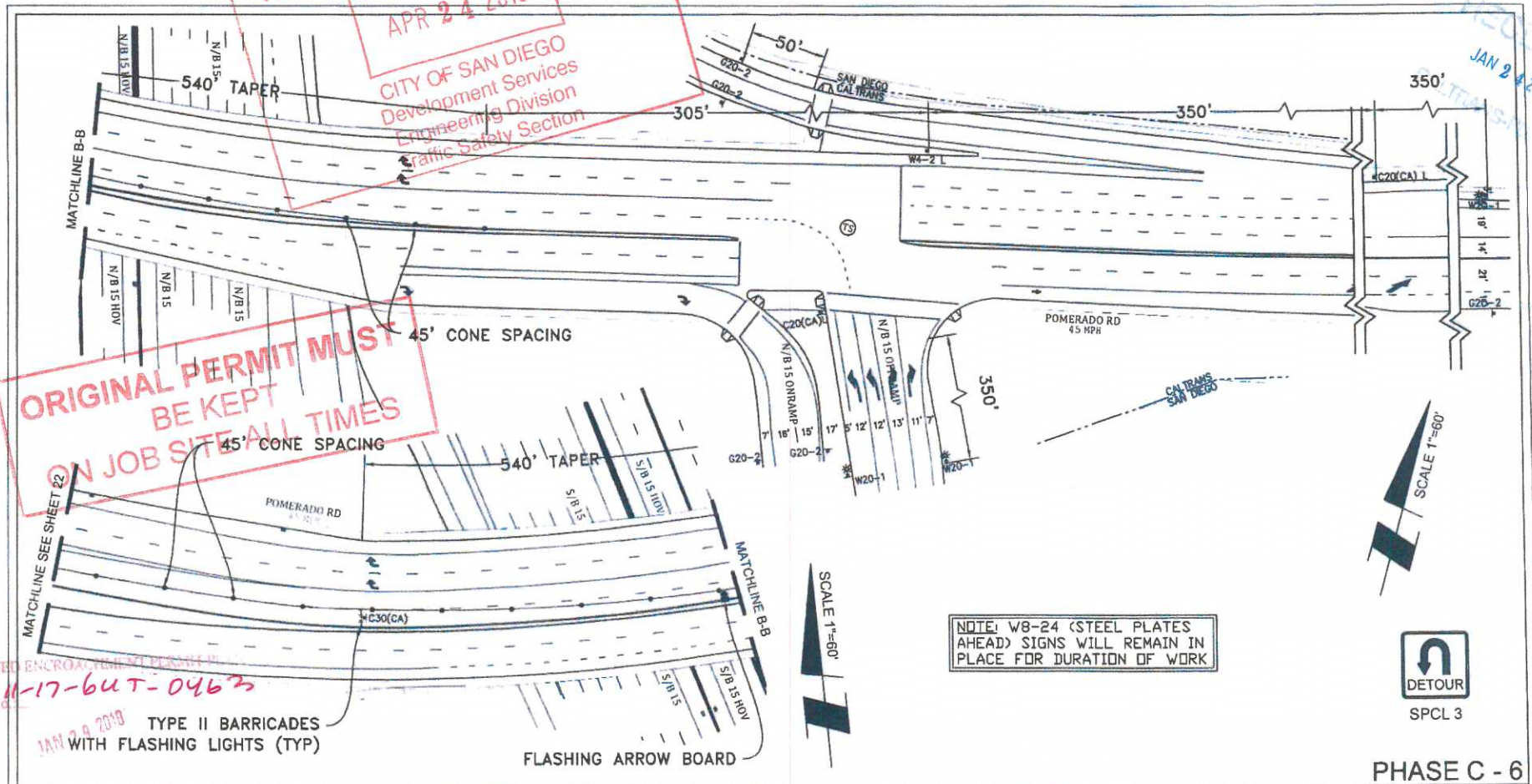
APPROVED ENCROACHMENT PERMIT #
 11-17-6417-0463
 Permit No.
 JAN 29 2018

PHASE C - 6

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
<p>Gail McMorran President</p> <p>2334 EAST EL NORTE PARKWAY, SUITE C ESCO/INDO, CA 92027 PHONE: (760) 493-2347 CELL: (760) 418-3728</p>	<p>15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 619 385.0500 WWW.NV5.COM</p>	AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
		MISC/POTHOLE#:	DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT			
		SHEET 23 OF 48	

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

REC'D
 JAN 24 2018
 ULTRA-SH



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED ENCROACHMENT PERMIT
 Permit No. 11-17-64T-0467

JAN 20 2018
 TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

FLASHING ARROW BOARD

PHASE C - 6

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
 25M EAST EL NORTE PARWAY SUITE C
 ESCONCADO, CA 92527
 PHONE: (760) 480-2347
 CELL: (760) 418-3138

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

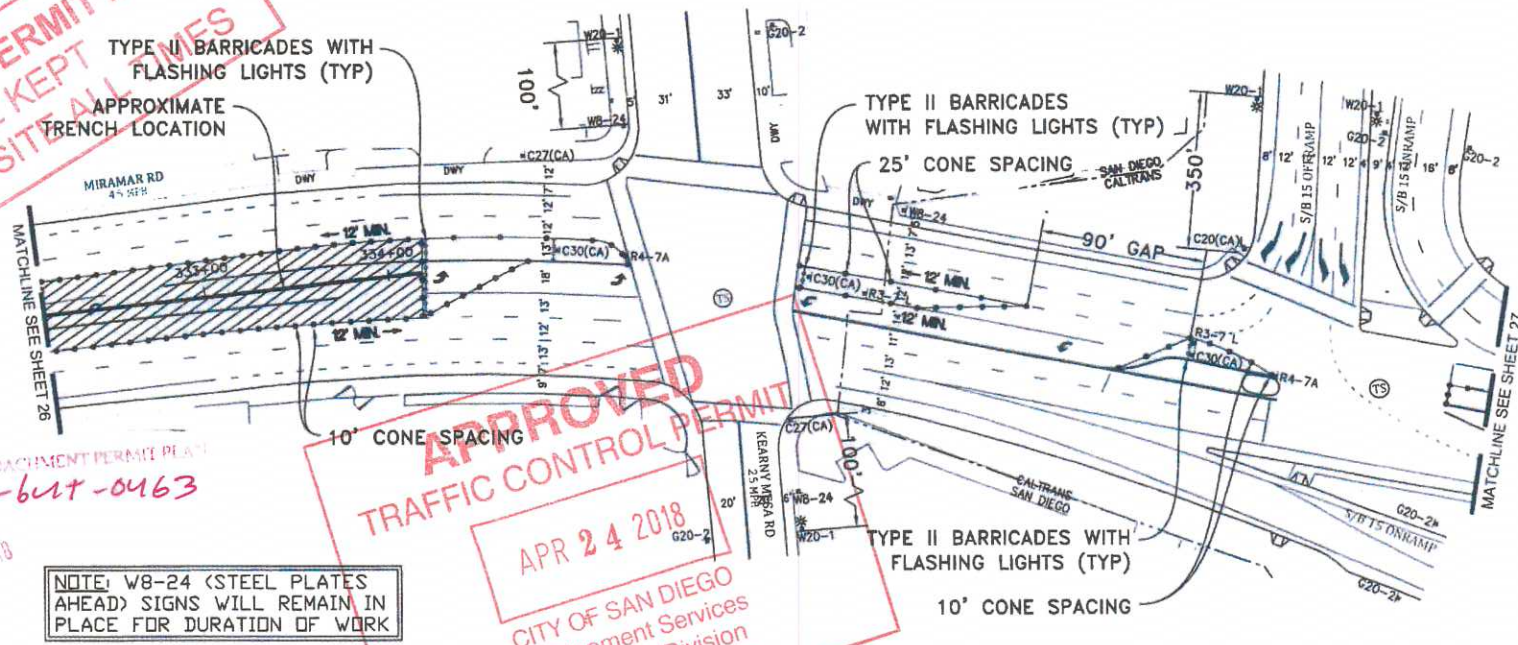


SHEET 24 OF 48

JAN 24 2018



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE AT ALL TIMES



APPROVED ENCROACHMENT PERMIT PLAN
 Permit No. **U-17-647-0463**

JAN 29 2018

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

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

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 SURVEYORS, INC.
 Gail McMorrin
 President
 3534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2547
 CELL: (760) 419-3758

NV5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 658 385 0500 WWW.NV5.COM

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

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS

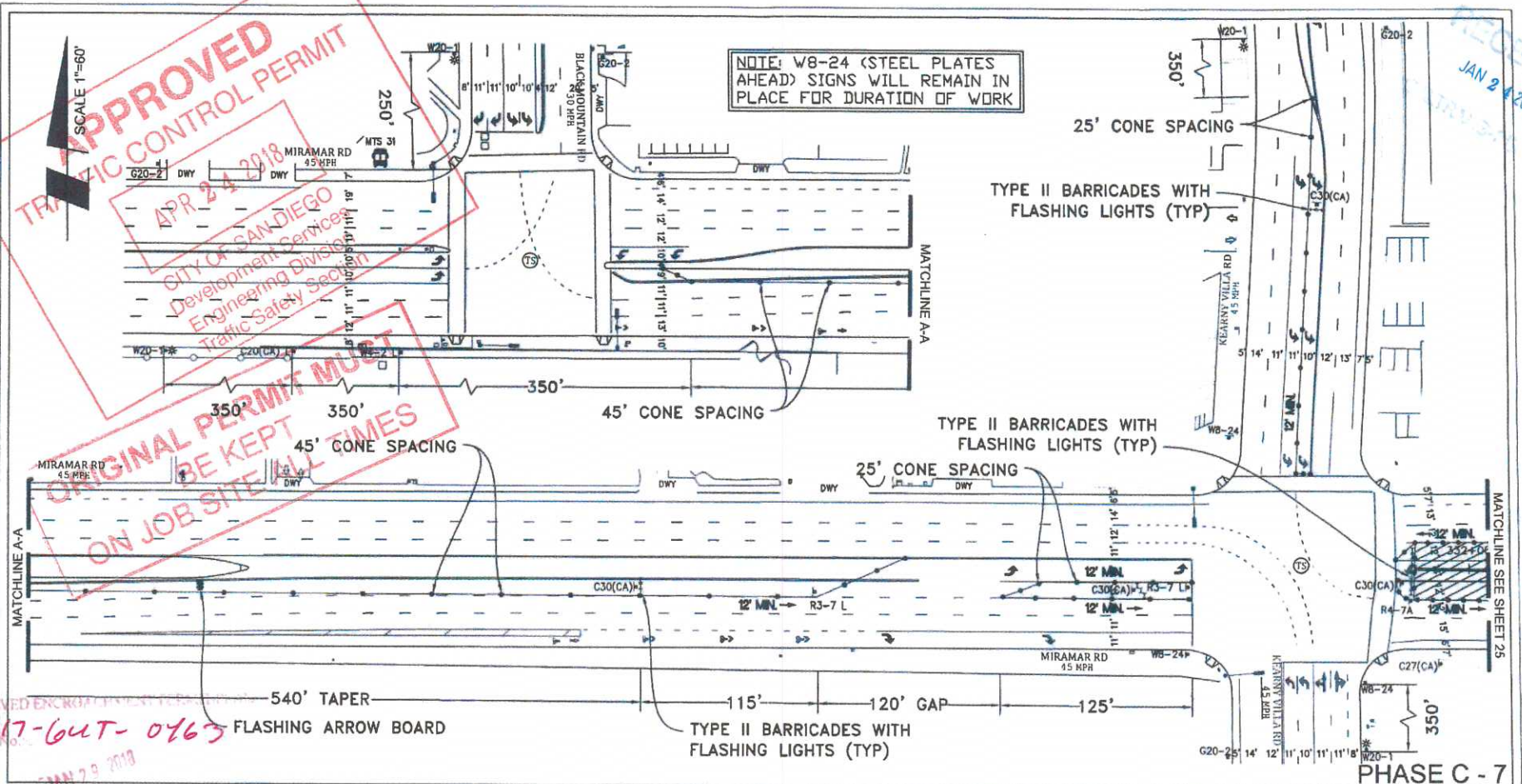
REGISTERED PROFESSIONAL ENGINEER
MARK H. WEBB
 No. 46828
 CIVIL
 STATE OF CALIFORNIA

SHEET 25 OF 48

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

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

11-17-64T-0465
 JAN 29 2018



RECEIVED
 JAN 24 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 McMorrin
 President
 3534 SAS* EL NORTE PARKWAY SUITE C
 92106-4900, CA 92127
 PHONE: (760) 480-2347
 CELL: (760) 419-3738

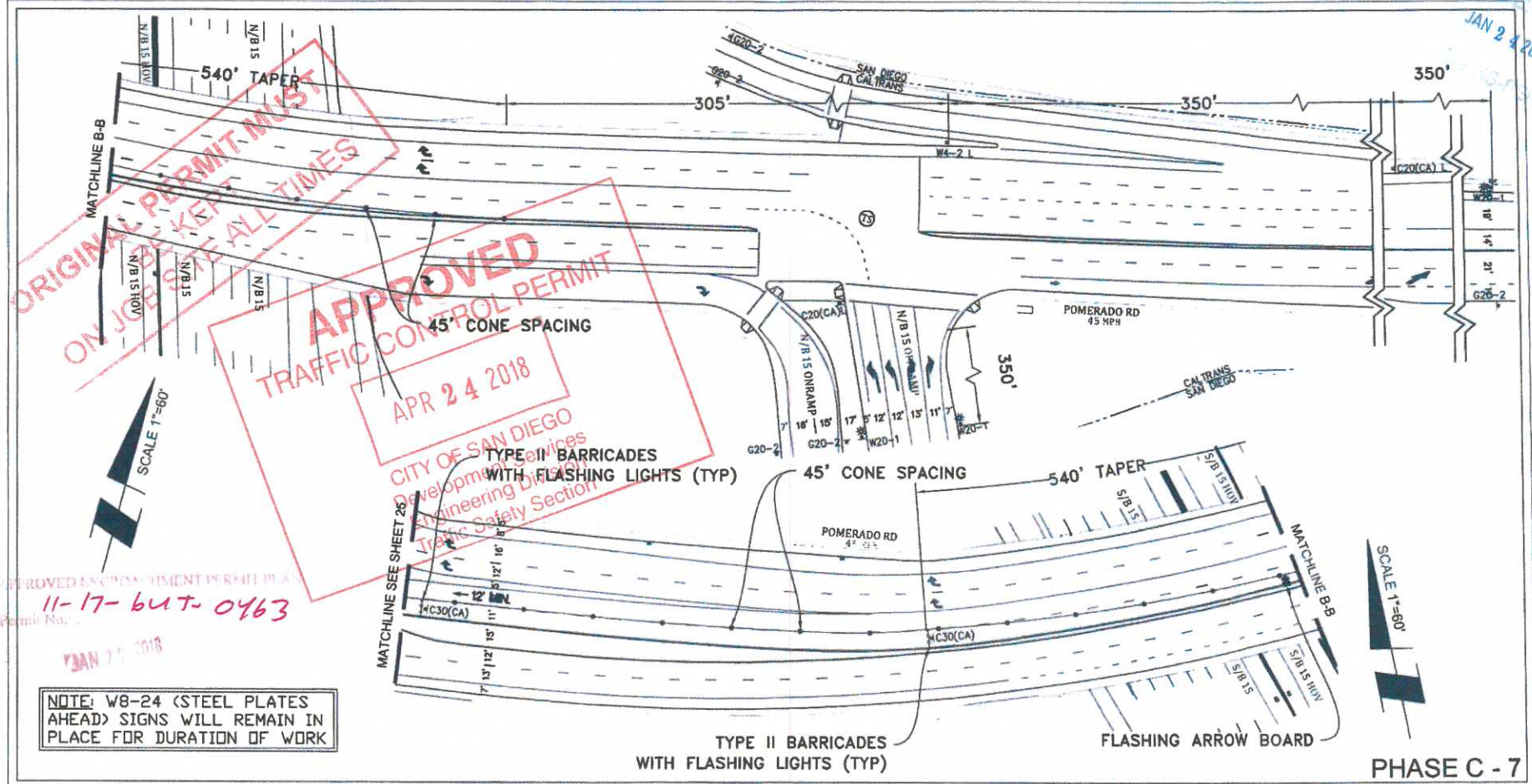
NV5
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 385 0500 WWW.NV5.COM

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



SHEET 26 OF 48

JAN 24 2018



**ORIGINAL PERMIT MUST
ON JOB SITE AT ALL TIMES**

**APPROVED
TRAFFIC CONTROL PERMIT**

APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

APPROVED ENCLOSURE PERMIT PLAN
11-17-but-0463

JAN 20 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

AIRX SURVEYORS, INC.
Gail McMorran
President
25M EAST 61 NORTH PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 416-3738

NV5
16092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NV5.COM

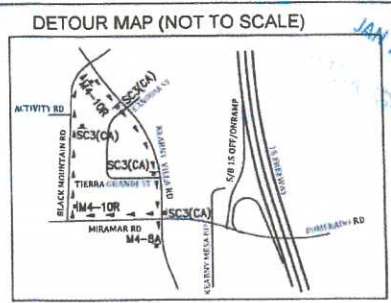
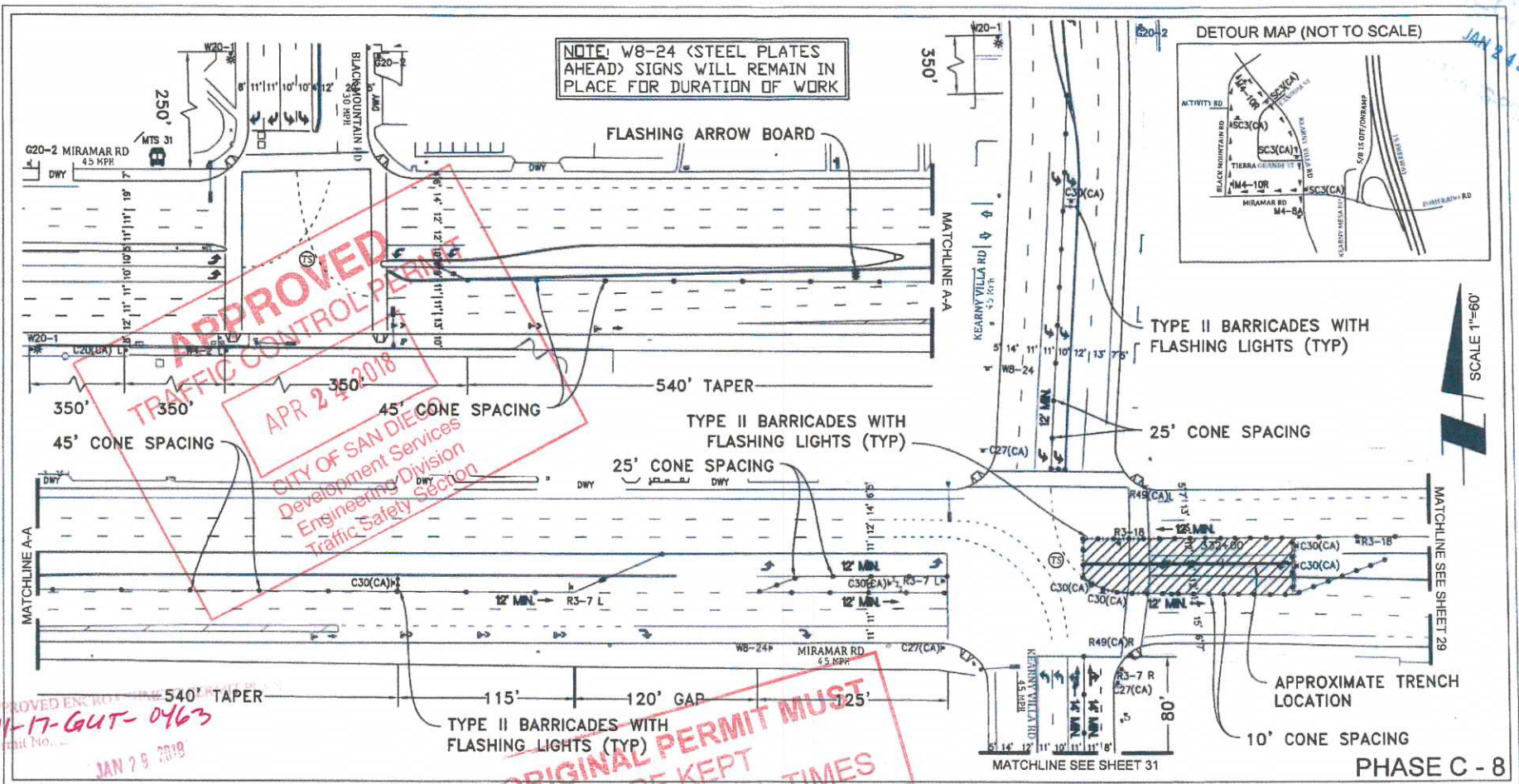
AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



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

SHEET 27 OF 48



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

APPROVED
TRAFFIC CONTROL PERMIT
 APR 2 1 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

APPROVED ENCLOSURE 540' TAPER
 11-17-GUT-0463
 Permit No. -
 JAN 29 2018

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE AT ALL TIMES

JAN 24 2018

SCALE 1"=60'

PHASE C - 8

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

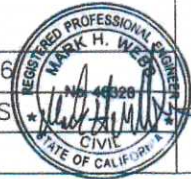
DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2841 EAST EL NORTE 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: 858.855.0500 WWW.NV5.COM

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

THOMAS GRID#: 1209-F6
 DRAWN FOR: CALTRANS



SHEET 28 OF 48

JAN 24 2018

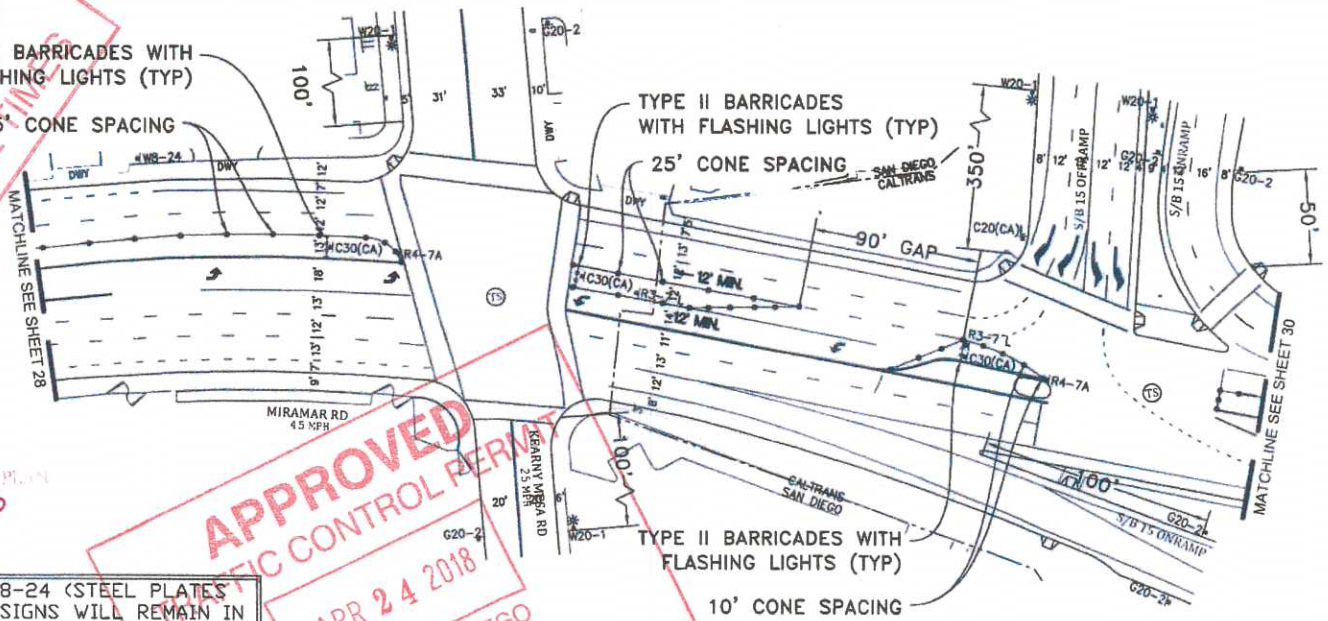


ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL THE TIME

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



APPROVED ENCROACHMENT PERMIT PLAN
Permit No. 11-17-641-0163

JAN 29 2018

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

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

PHASE C - 8

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

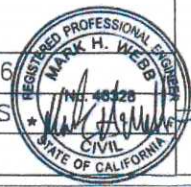
DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

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

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

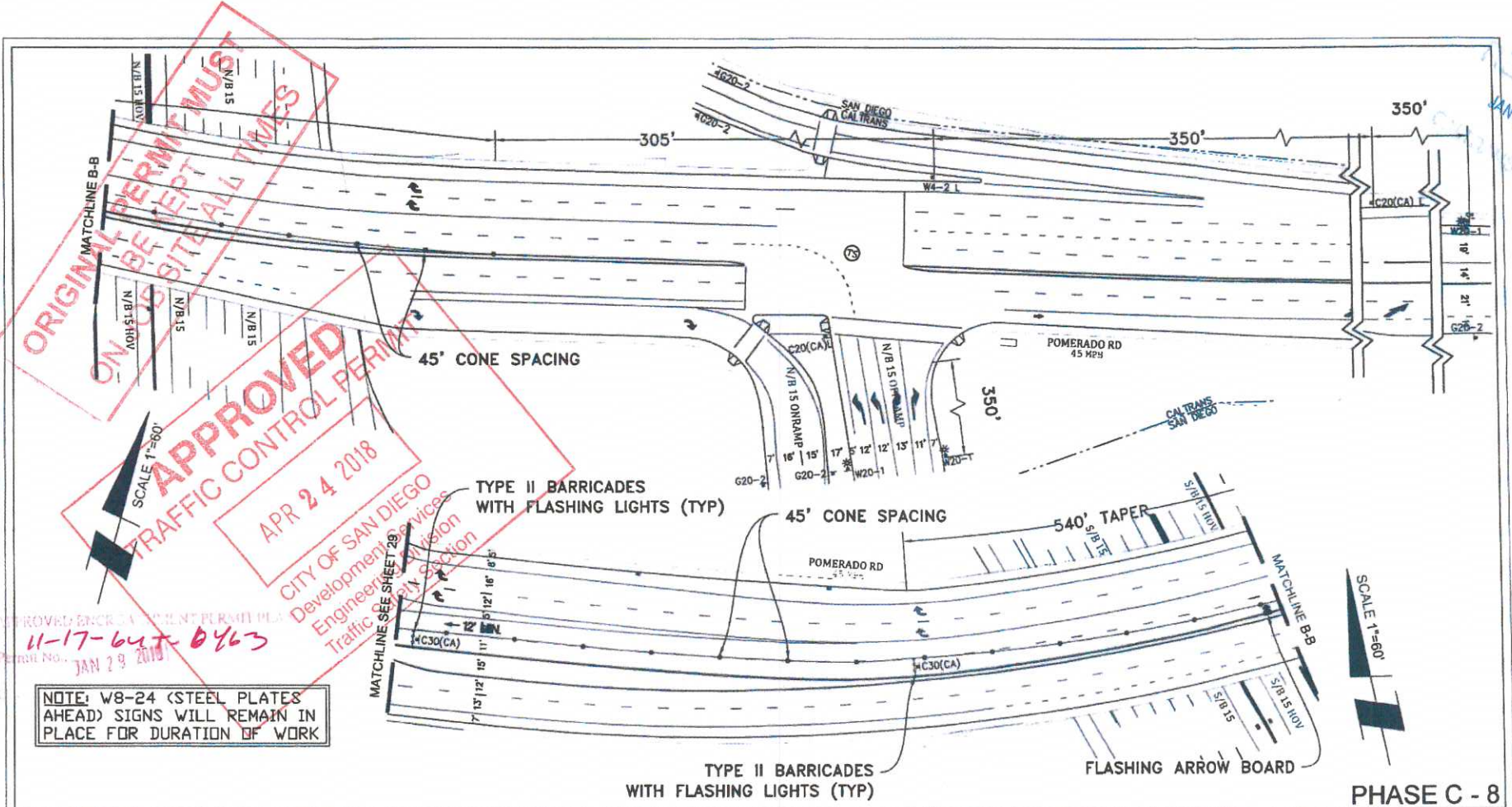
AIRX JOB#: X160218
MISC/POTHOLE#: _____
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



SHEET 29 OF 48

JAN 24 2018



ORIGINAL PERMIT MUST
BE KEPT ON SITE ALL TIMES

APPROVED
TRAFFIC CONTROL PERMIT
APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

APPROVED UNDER CLIENT PERMIT PLAN
11-17-647-0463
Permit No. JAN 29 2018

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

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 McMorran
President
18200 MIDCO, CA 92127
PHONE: (760) 480-2947
CELL: (760) 419-3738

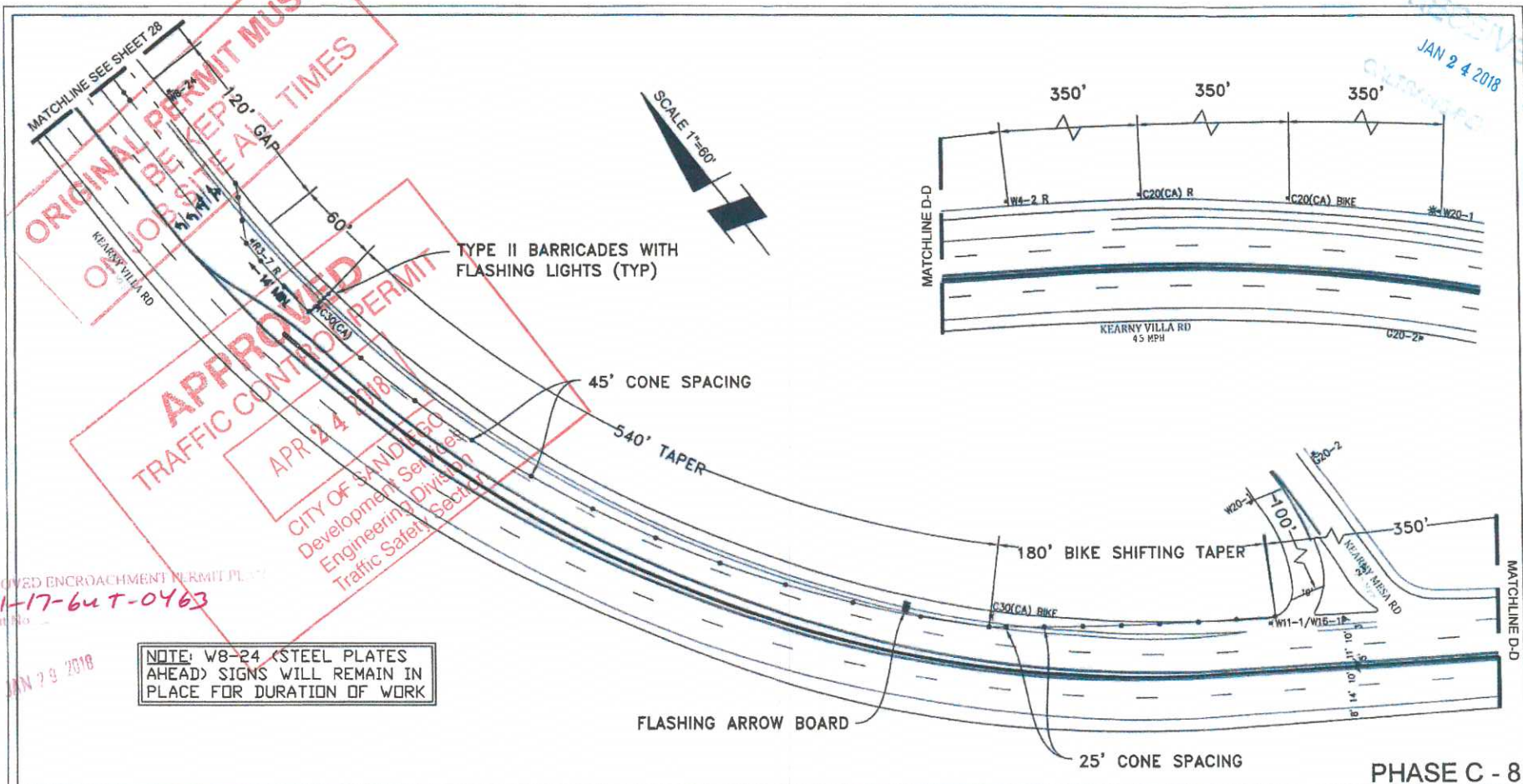
NIV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385.0500 WWW.NIV5.COM

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



SHEET 30 OF 48

RECEIVED
JAN 24 2018
SUTONGERS



ORIGINAL PERMIT MUST BE KEPT AT ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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

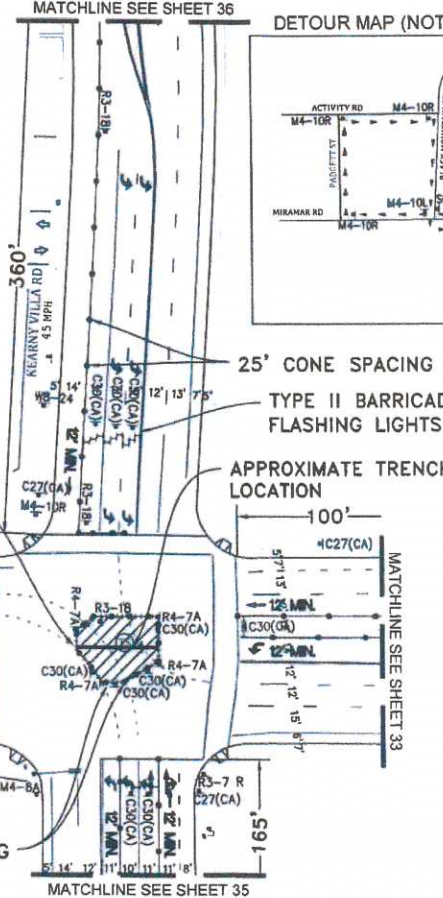
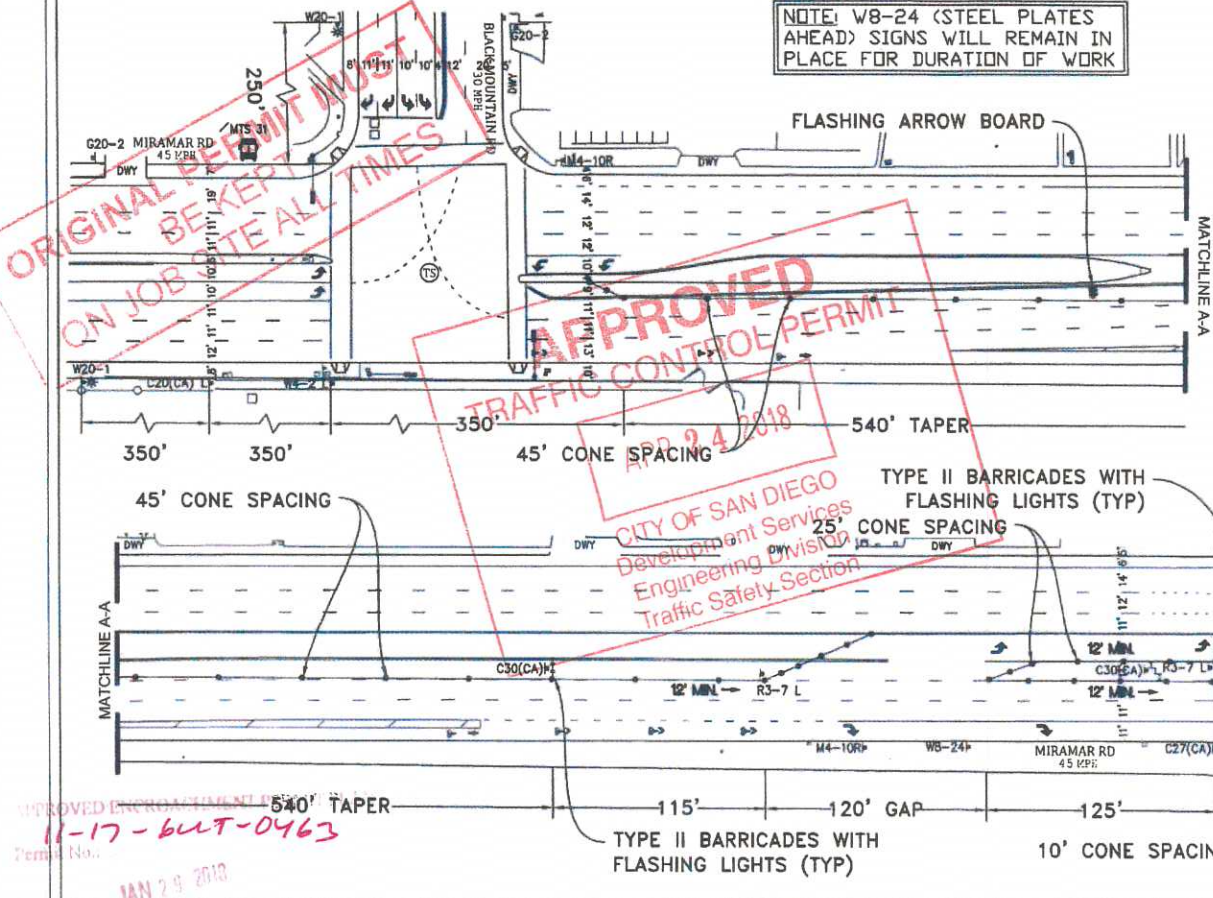
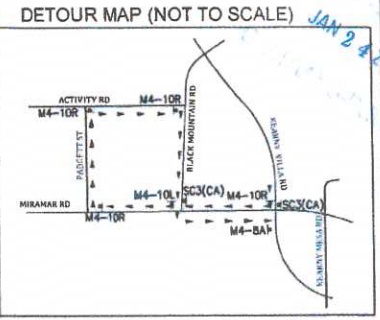
JAN 29 2018

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

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 McMorran President 2534 EAST EL MORTE PARKWAY SUITE C ESCONDIDO, CA 92027 PHONE: (760) 485-2547 CELL: (760) 418-3738	N V S 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
		SHEET 31 OF 48	

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



PHASE C - 9

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

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

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2534 EAST 81 NORTH 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
 THOMAS GRID#: 1209-F6
 MISC/POTHOLE#: _____
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT

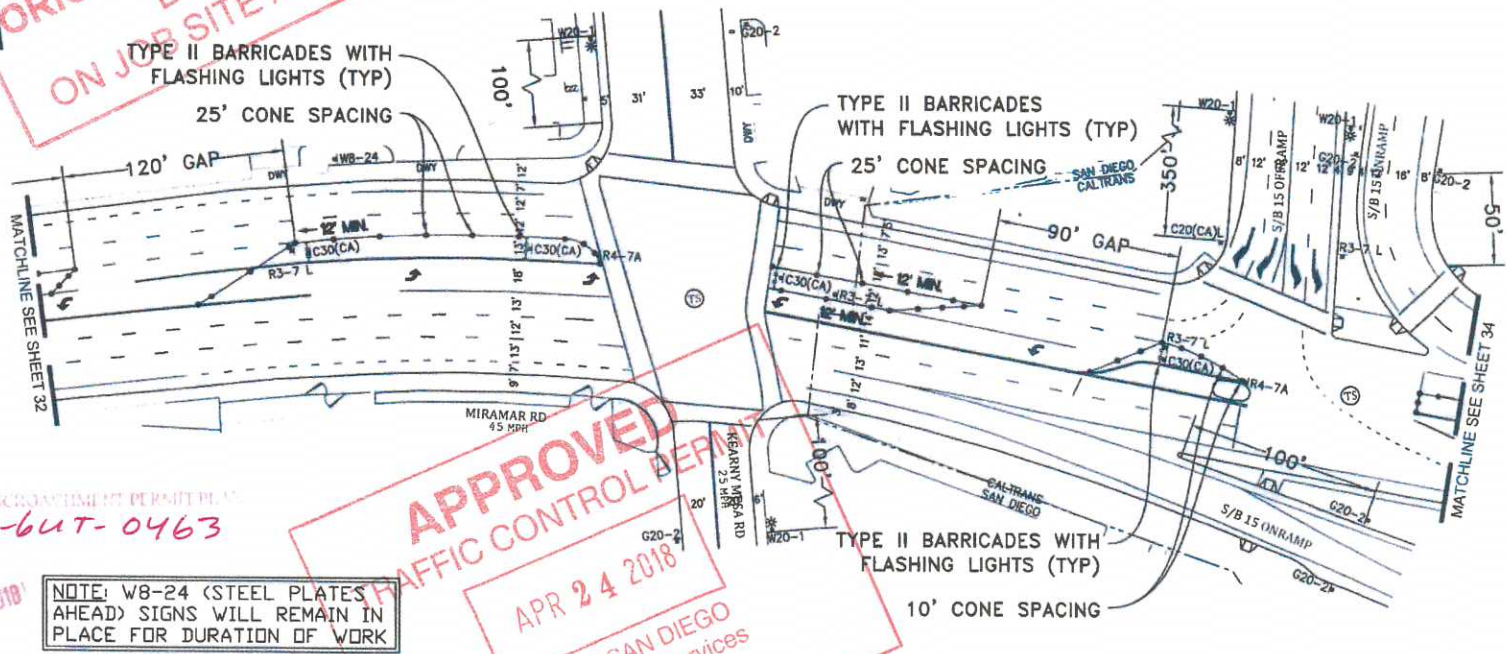
REGISTERED PROFESSIONAL ENGINEER
 MARK H. WEBB
 No. 46328
 CIVIL
 STATE OF CALIFORNIA

SHEET 32 OF 48

JAN 24 2018

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

SCALE 1"=60'



APPROVED ENCLOSURE PERMIT PLAN
11-17-6UT-0463

JAN 29 2018

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

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

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

AIRX CONSULTING SERVICES INC.
Gail McMorrin
President
2534 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 418-3728

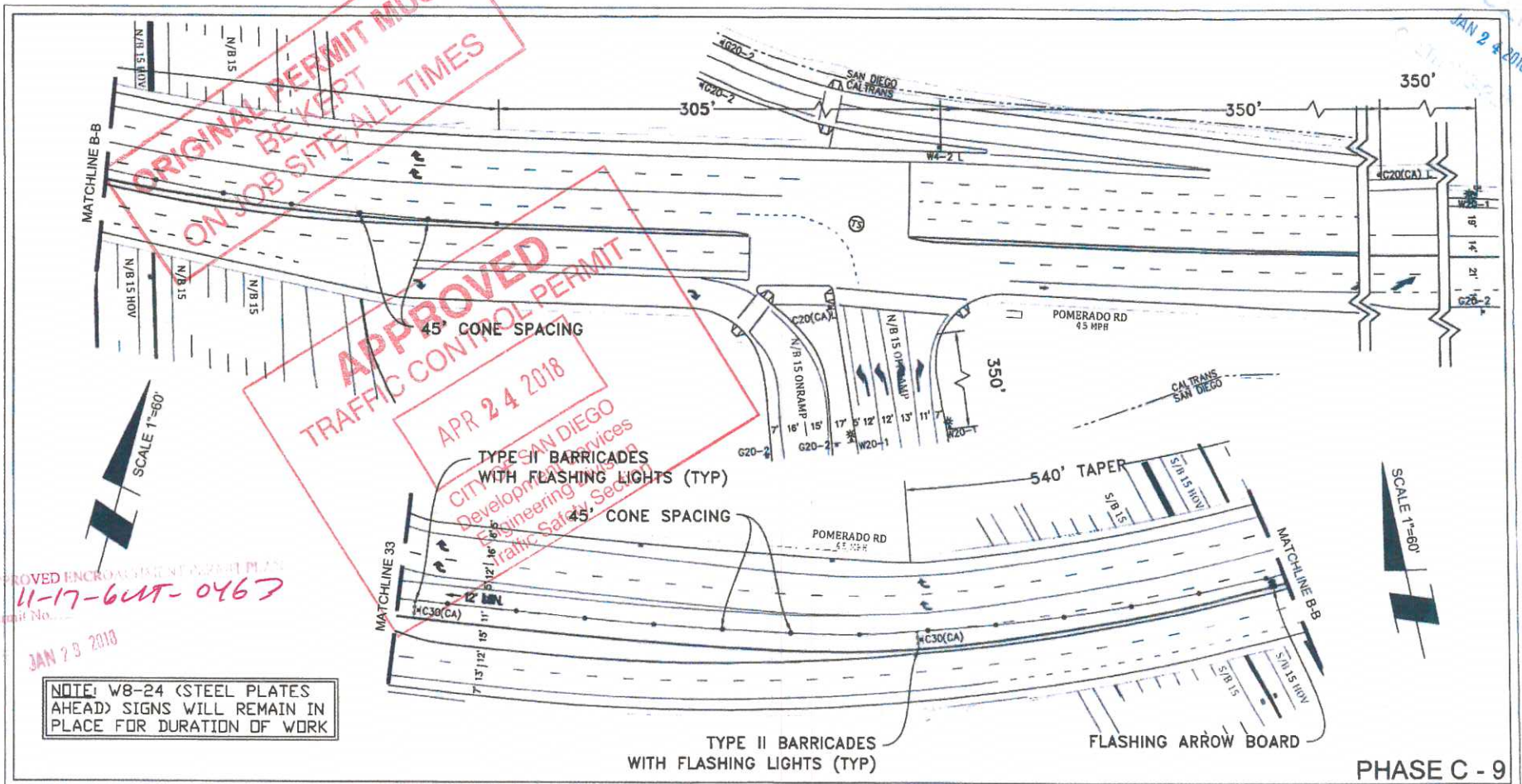
N|V|5
15082 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.395.0500 WWW.NV5.COM

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

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



SHEET 33 OF 48



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED TRAFFIC CONTROL PERMIT

APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Section
Traffic Safety Section

APPROVED ENCLOSURE PERMIT NO. 11-17-6UT-0467
Permit No. _____

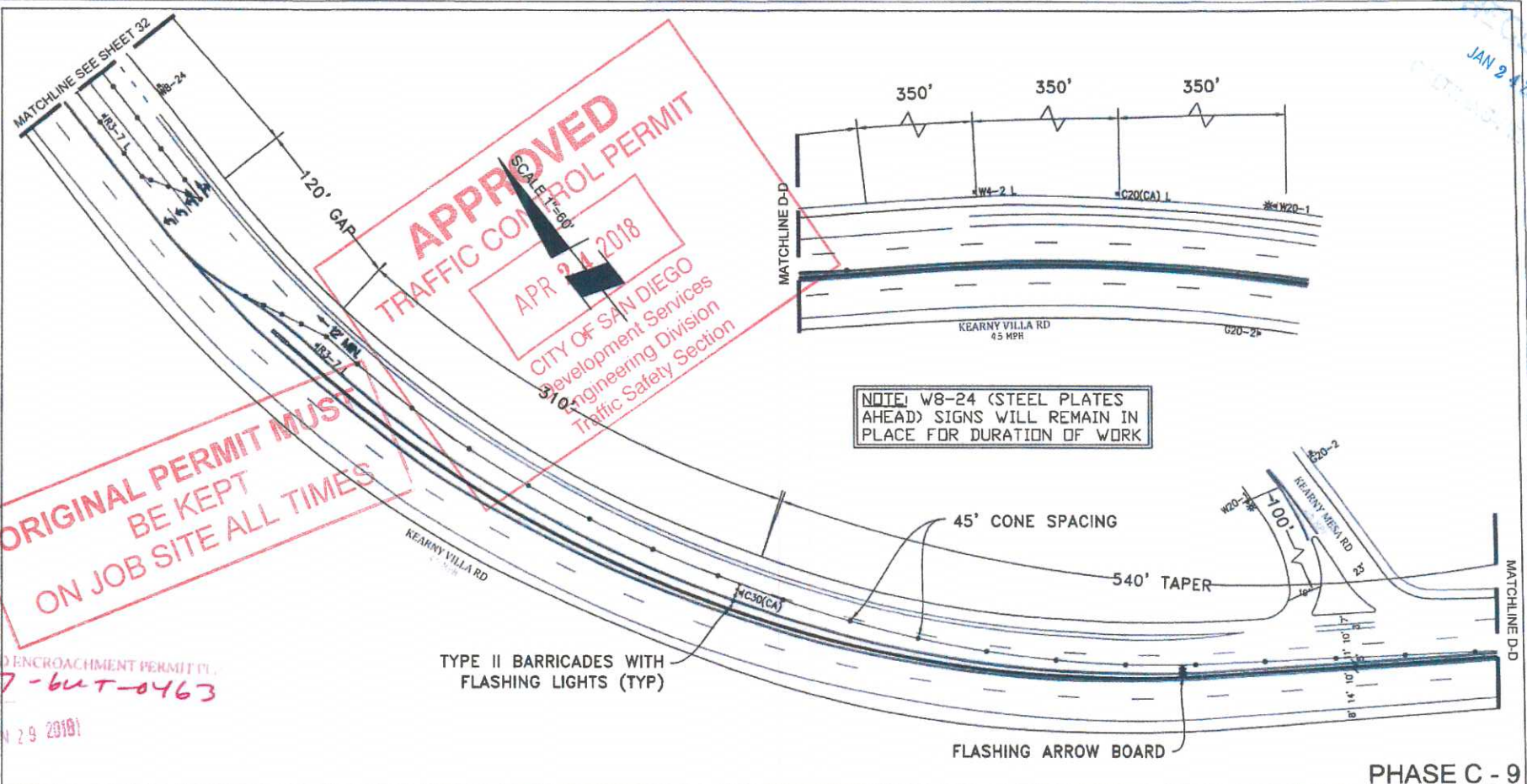
JAN 23 2018

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	
<p style="font-size: small;">Gail McMorrin President 2534 EAST EL NORTE PARKWAY SUITE C ESCONDIDO, CA 92027 PHONE: (760) 460-2347 CELL: (760) 418-3738</p>	<p style="font-size: small;">15092 AVENUE OF SCIENCE, SUITE 200 SAN DIEGO, CA 92128 P: 858 385 0500 WWW.NV5.COM</p>	AIRX JOB#: X160218 MISC/POTHOLE#: TYPE OF WORK: TRENCHING / CONDUIT	THOMAS GRID#: 1209-F6 DRAWN FOR: CALTRANS
		SHEET 34 OF 48	

JAN 24 2018



APPROVED
TRAFFIC CONTROL PERMIT
 SCALE: 1"=60'
APR 24 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

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

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

PHASE C - 9

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 1/22/2018	
AIRX JOB#: X160218		THOMAS GRID#: 1209-F6	
MISC./POTHOLE#:		DRAWN FOR: CALTRANS	
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 35 OF 48	

AIRX SURVEYING, INC.
 Gail McMorran
 President
 2534 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 418-3738

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

REGISTERED PROFESSIONAL ENGINEER
 MARK H. WEBB
 No. 46328
 State of California

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

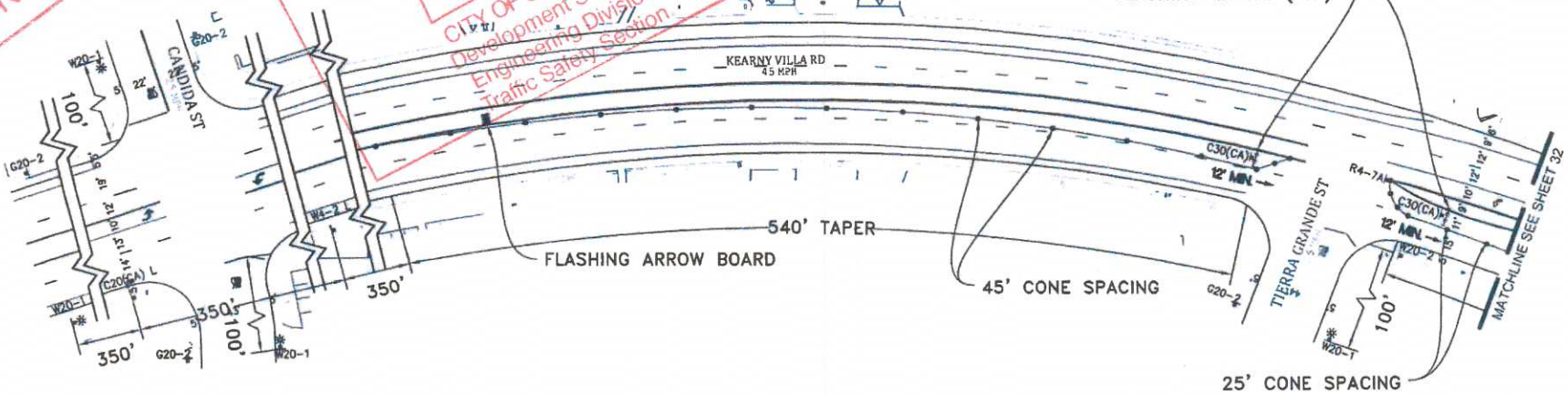
**APPROVED
TRAFFIC CONTROL PERMIT**

APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

JAN 24 2018

SCALE 1"=60'



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

APPROVED ENCROACHMENT PERMIT # 11-17-64T-0463

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

AIRX SURVEYORS, INC.
Gail McMorrin
President
25M EAST EL NORTE PARKWAY SUITE C
66040802 CA 92027
PHONE (760) 480-2347
CELL (760) 419-3738

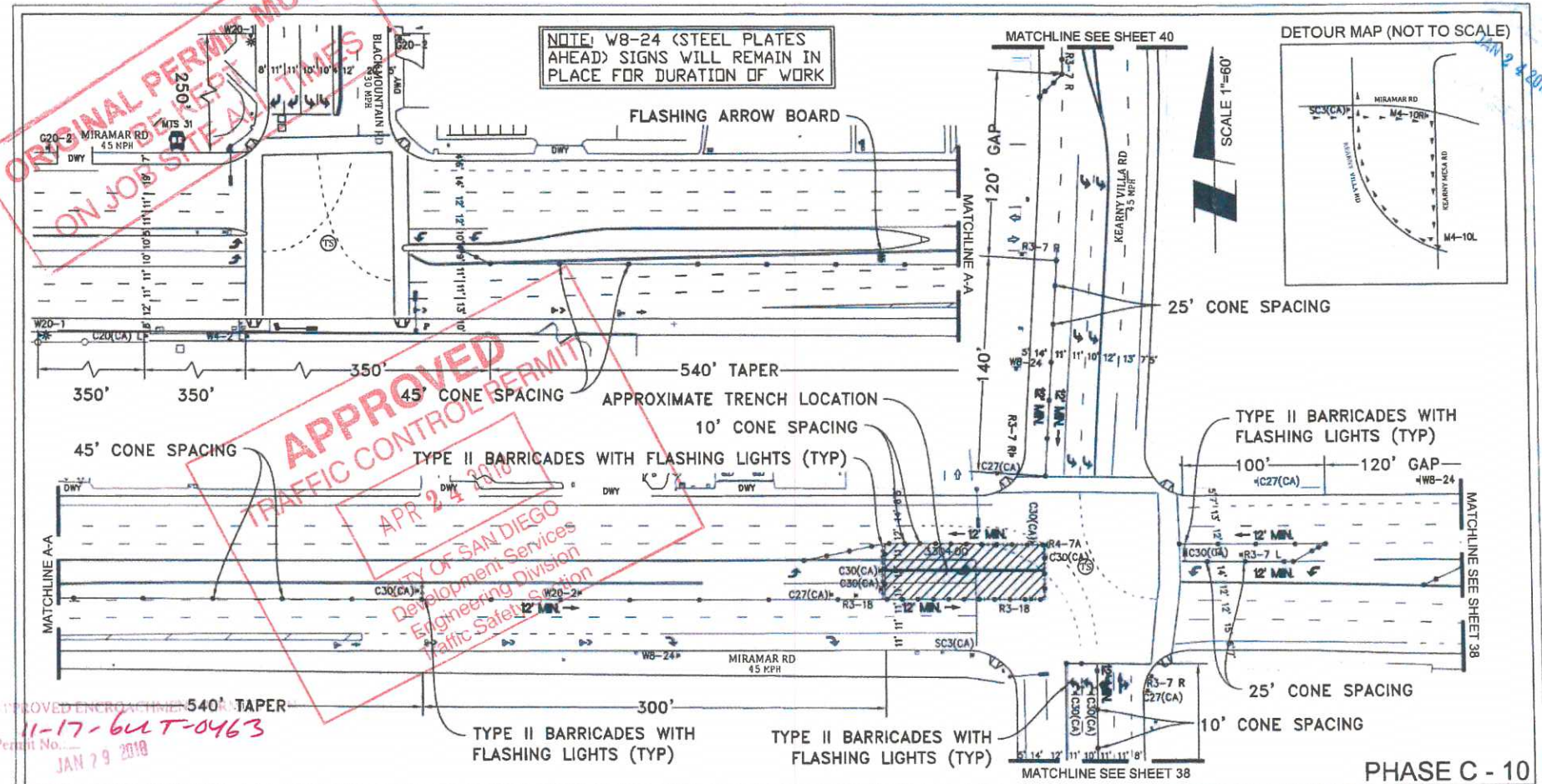
NIV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NIV5.COM

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

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



SHEET 36 OF 48



ORIGINAL PERMIT MUST
ON JOB SITE AT ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

11-17-622-T-0463

Permit No. ...

JAN 7 9 2018

PHASE C - 10

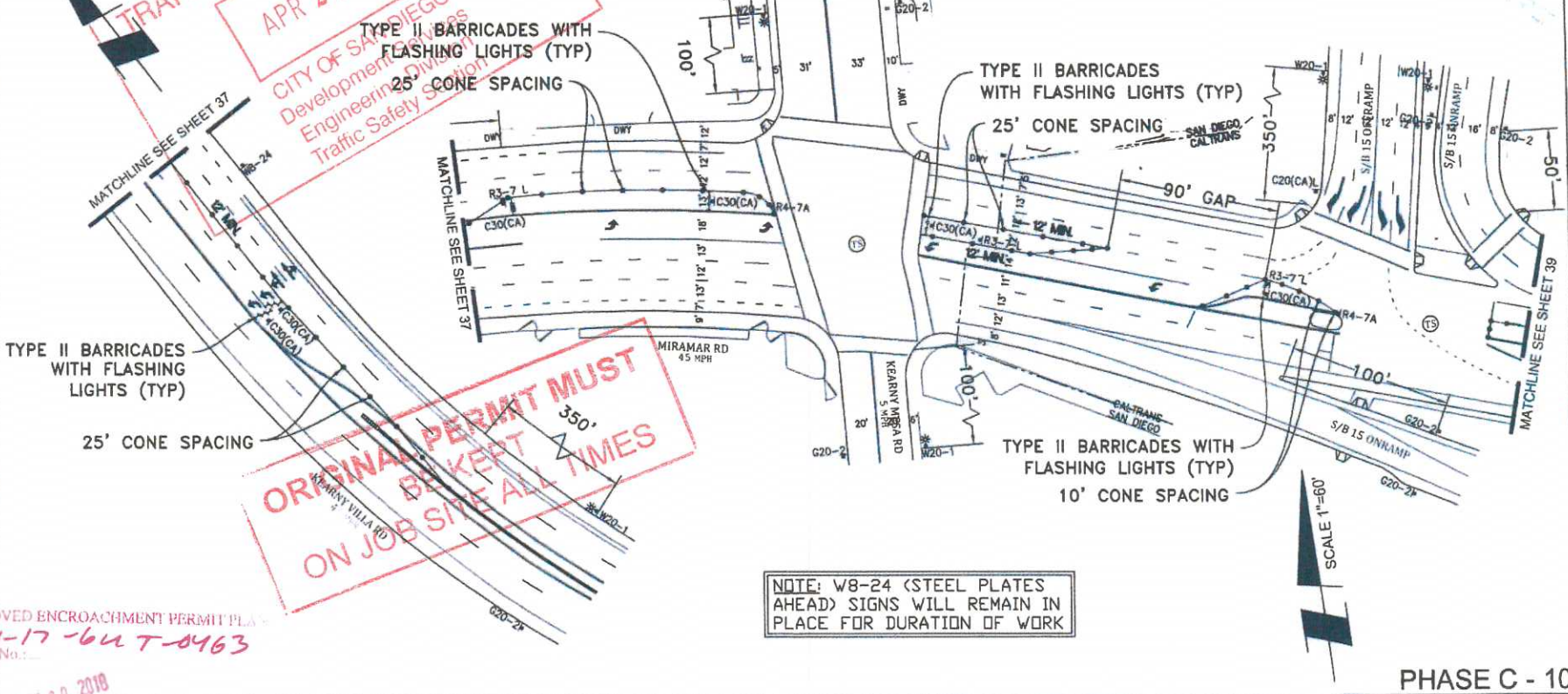
PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
Gail McMorran President 2534 EAST EL NORTE PARKWAY SUITE C ESCROWWOOD, CA 92027 PHONE: (760) 480-2347 CELL: (760) 418-3738	15092 AVENUE OF SCIENCE, 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 37 OF 48	

JAN 24 2018

APPROVED
TRAFFIC CONTROL PERMIT
APR 24 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

SCALE 1"=60'



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

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

SCALE 1"=60'

PHASE C - 10

APPROVED ENCROACHMENT PERMIT PLANS
11-17-64 T-0463
Permit No.:

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

AIRX SURVEYORS, INC.
Gail McMorrin
President
2334 EAST 81 NORTH 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

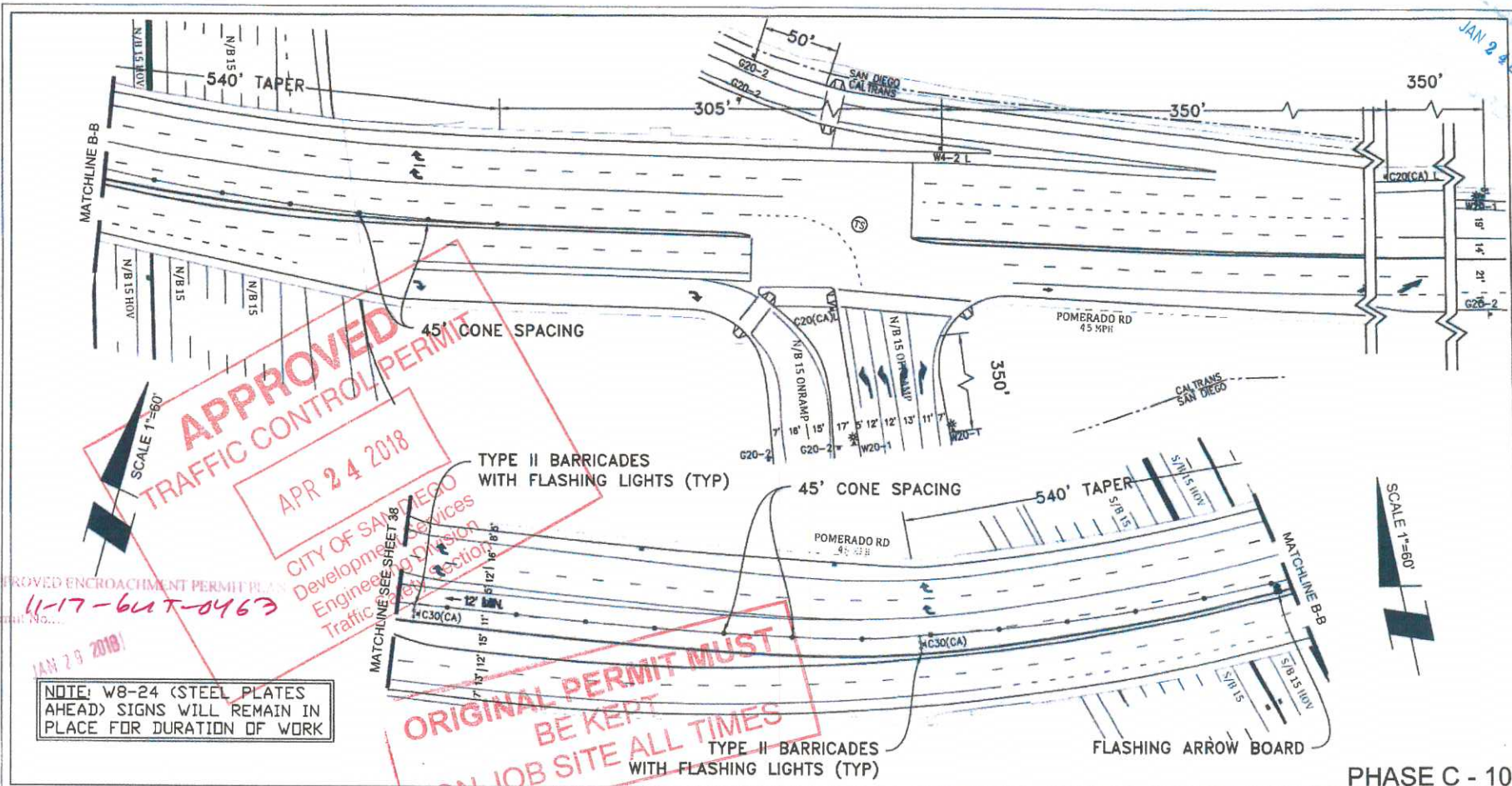
AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
MISC/POTHOLE#:	DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT	

REGISTERED PROFESSIONAL ENGINEER
MARK H. WEBB
No. 44328
CIVIL
STATE OF CALIFORNIA

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

SHEET 38 OF 48

JAN 28 2018



PHASE C - 10

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

AIRX SURVIVE 100%
AIRX Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 460-2347
 CELL: (760) 418-2728

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: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT	



DATE: 1/22/2018
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb
SHEET 39 OF 48

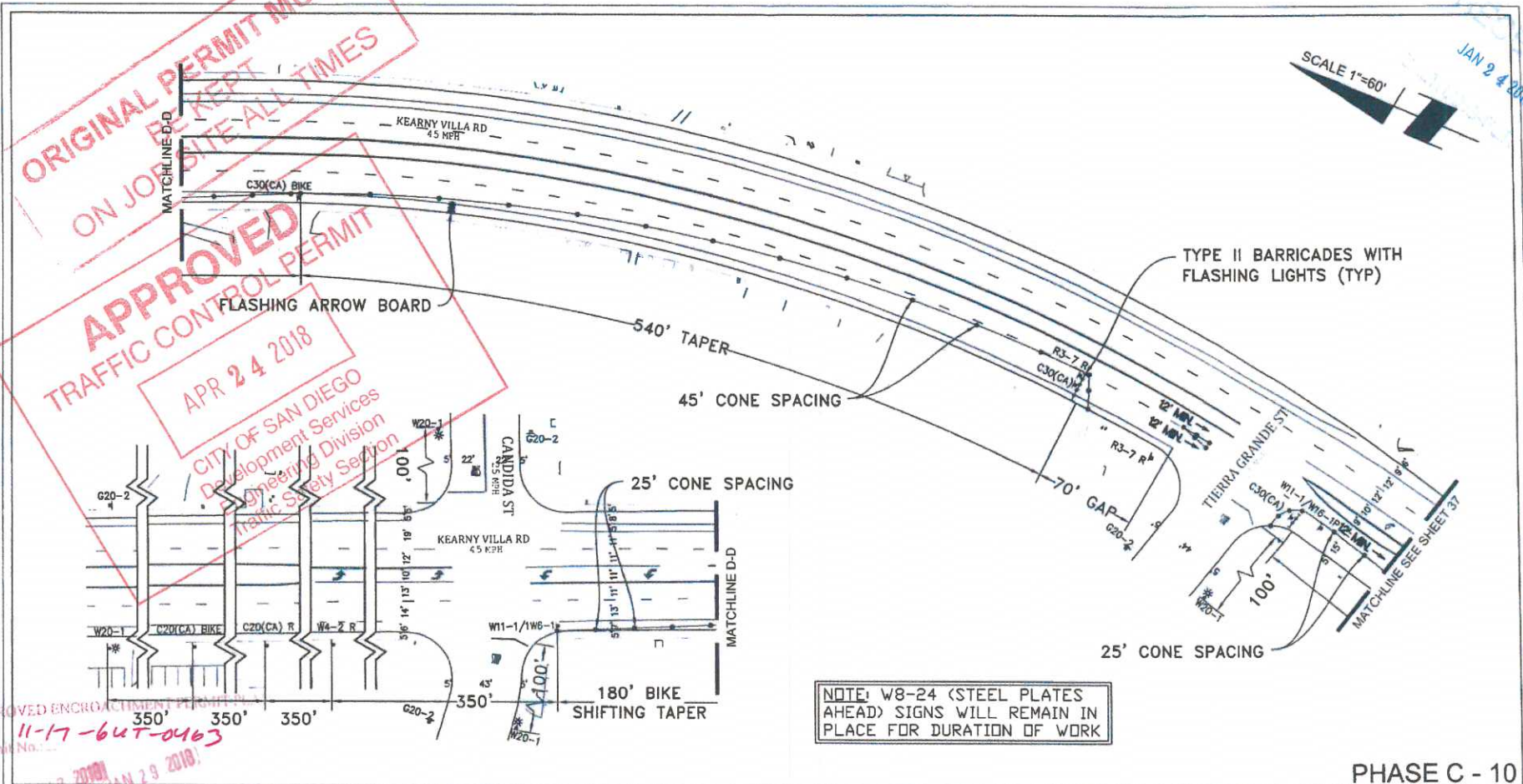
APPROVED ENCROACHMENT PERMIT
 11-17-647-0463
 JAN 29 2018

SCALE 1"=60'
 JAN 24 2018

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

APPROVED
TRAFFIC CONTROL PERMIT
APR 24 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

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 SUPERVISORS, INC.
 Gail McMorrin
 President
 7534 EAST EL MORANTE PARKWAY & SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3728

NV5
 15082 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

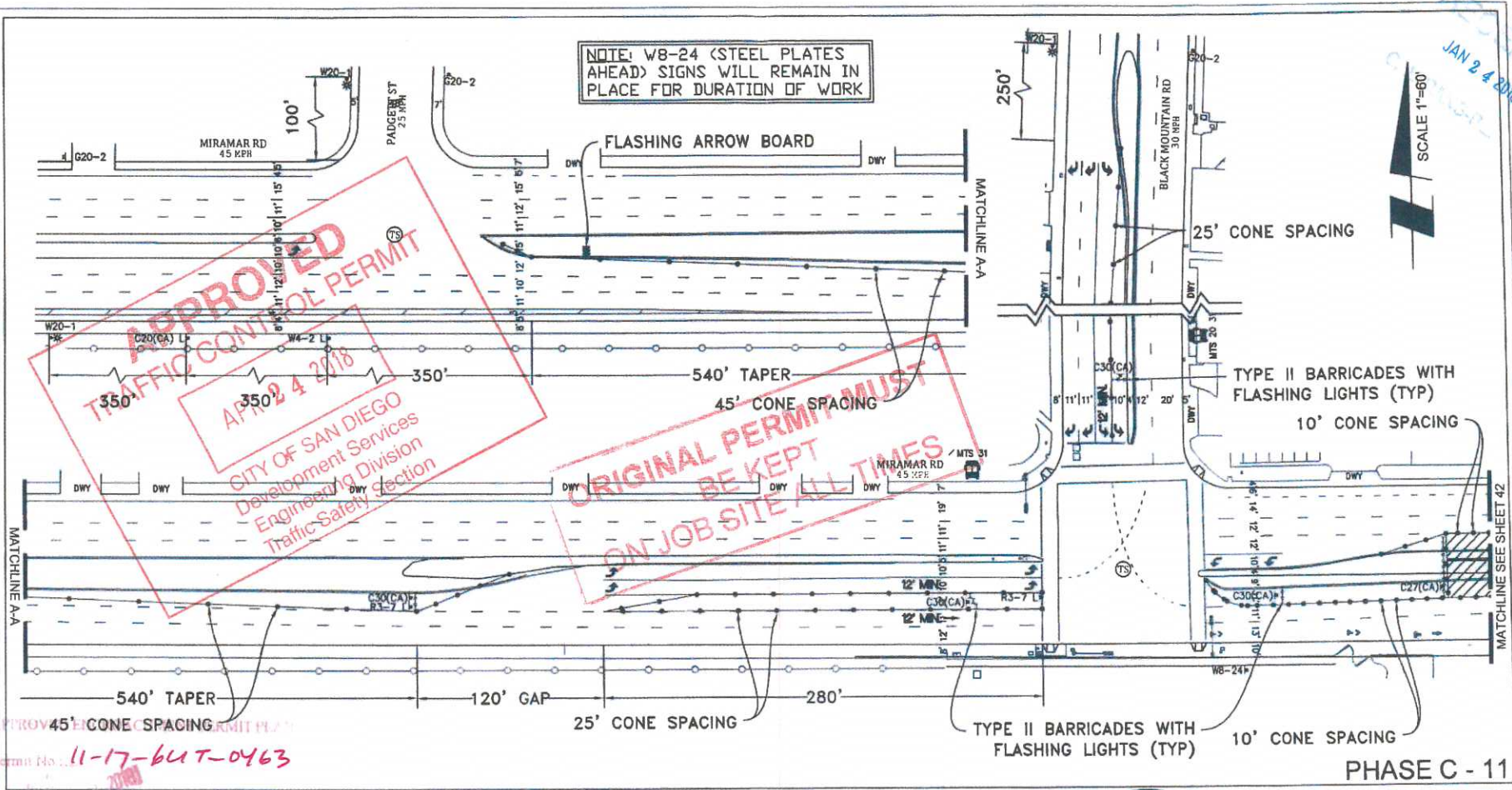


SHEET 40 OF 48

JAN 24 2018



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



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

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

Permit No. 11-17-647-0463

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

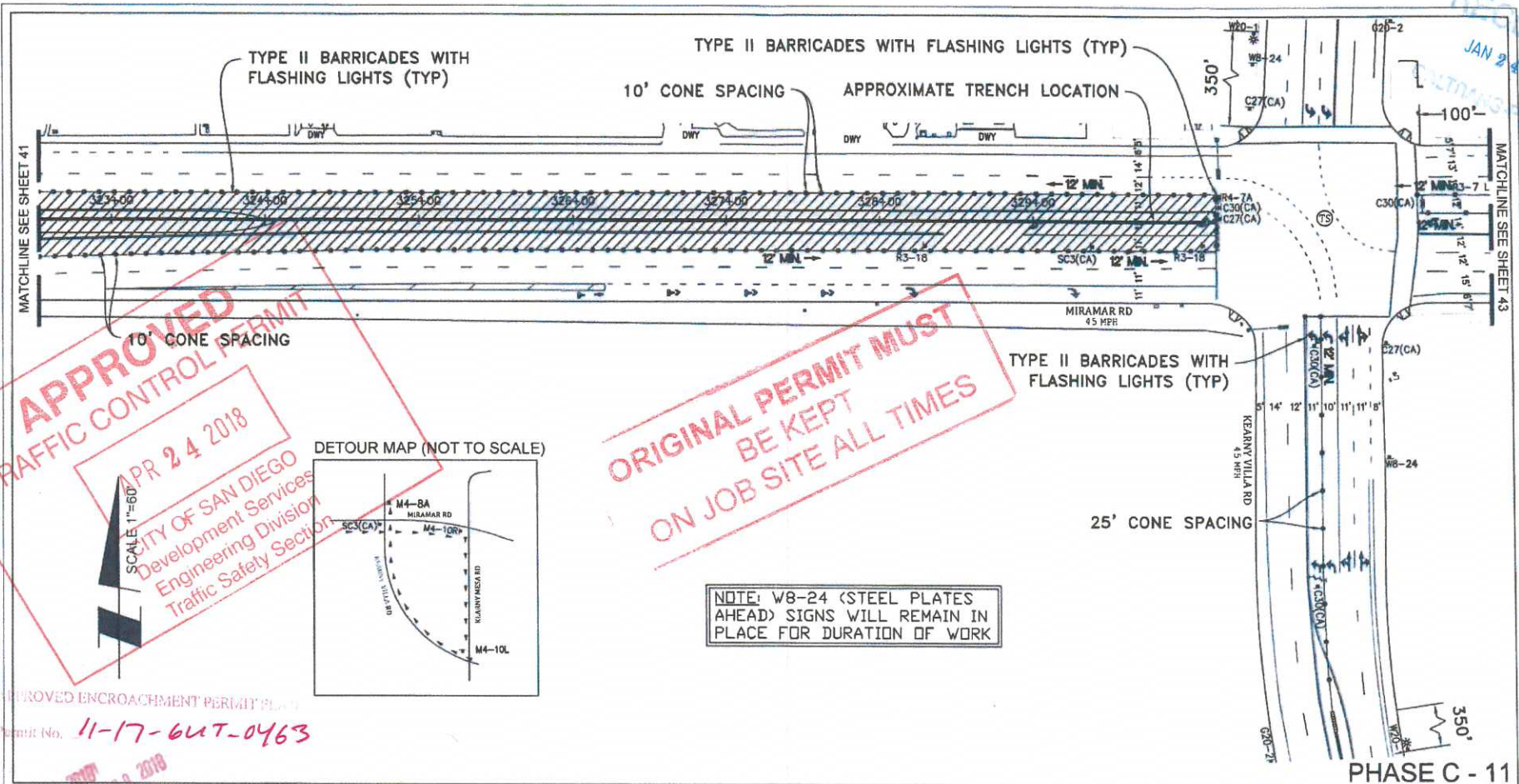
AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCOBEDO, CA 92027
 PHONE: (760) 486-2347
 CELL: (760) 419-3728

NV5
 15082 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

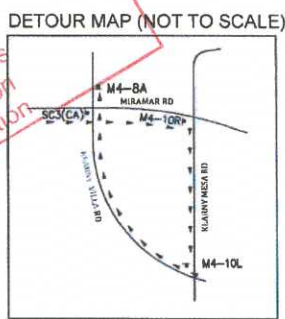
SHEET 41 OF 48

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Engineering Division
Traffic Safety Section

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



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

APPROVED ENCROACHMENT PERMIT PLAT
Permit No. 11-17-6UT-0463

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

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



SHEET 42 OF 48

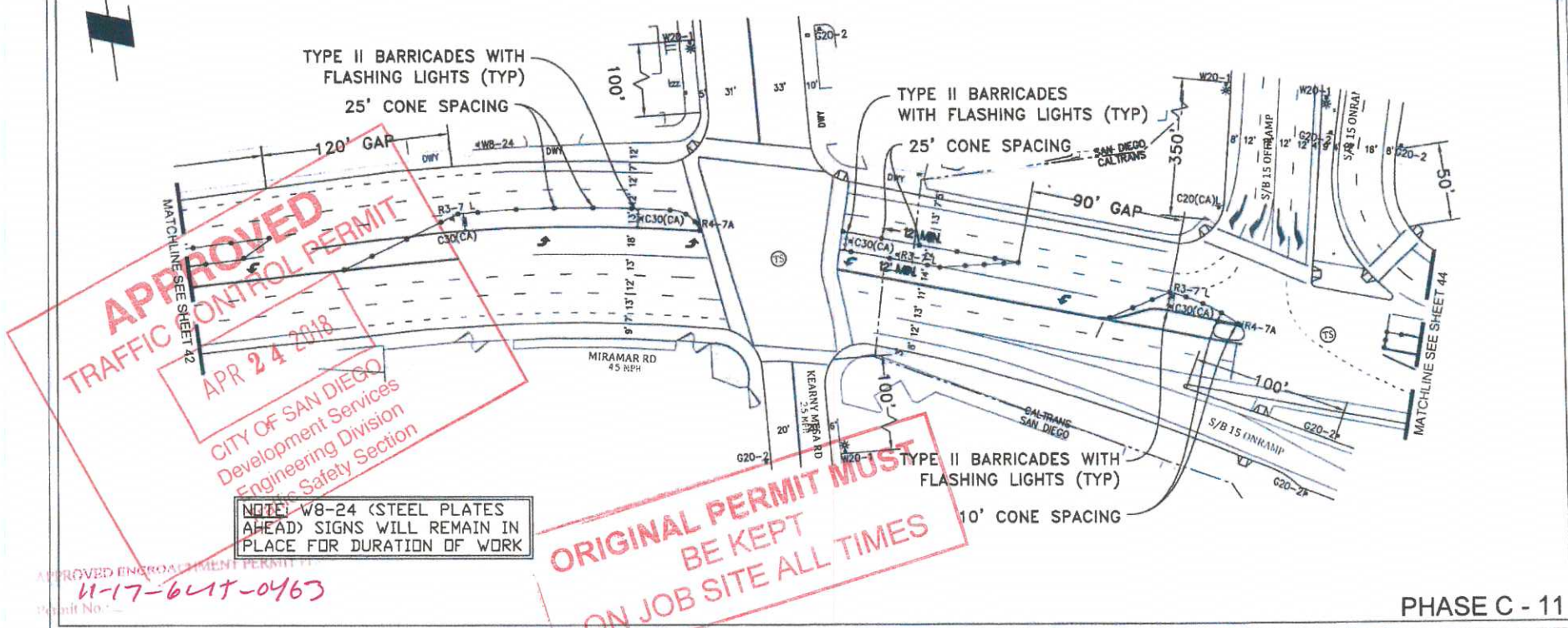
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AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
MISC/POTHOLE#:	DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT	



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ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED ENCROACHMENT PERMIT
Permit No. 11-17-6417-0463

PHASE C - 11

JAN 19 2018

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

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

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

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



SHEET 43 OF 48

