



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
FEB 21 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

To: City of San Diego, Traffic Permit Section

Date: 2/20/2018From: (Company): SDG&EPhone No.: 619-778-2405Contact Person: Rod Nelson

Fax.: _____

W.O. or Account #: Permit # _____

TCP No. _____

City Use Only

Authorized # _____

By Felipe AvilaYes X

No _____

Date Reviewed 2/21/18

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	2/25/18	3/16/18	9:00PM - 5:00AM	1209-E6, F6	1,5,7,8
Black Mountain Road	Activity Road	Miramar Road	2/25/18	3/16/18	9:00PM - 5:00AM	1209-E6	6,8
Kearny Villa Road	Maya Linda Rd	Kearny Mesa Road	2/25/18	3/16/18	9:00PM - 5:00AM	1209-E5, E6, F6	6,8
Kearny Mesa Road	Miramar Road	End of Kearny Mesa Road	2/25/18	3/16/18	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 2L	MERGING L/2	SHIFTING L/2	SHOULDER L/2	TAPER L/2	TANGENT L	CONFINE L	CONFINE L
25	150	80	40	22	50	40	10	12
30	250	125	63	30	70	50	15	15
35	490	240	120	50	70	50	17	17
40	640	320	160	60	80	50	20	20
45	1050	540	270	100	100	50	22	22
50	1280	600	300	100	100	50	25	25
55	1520	680	340	100	100	50	25	25
60	1440	620	310	100	100	50	25	25
65	1560	660	330	100	100	50	25	25
70	1680	700	350	100	100	50	25	25
75	1800	750	375	100	100	50	25	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	156	160	167
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	376	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	735	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	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.

* - 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.

LEGEND

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

PROJECT NAME: T-23071 - 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
ESCONDIDO, CA 92027
PHONE: (760) 480-2947
CELL: (760) 419-3738

Gail McMorran
President

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/POTHOLE#:

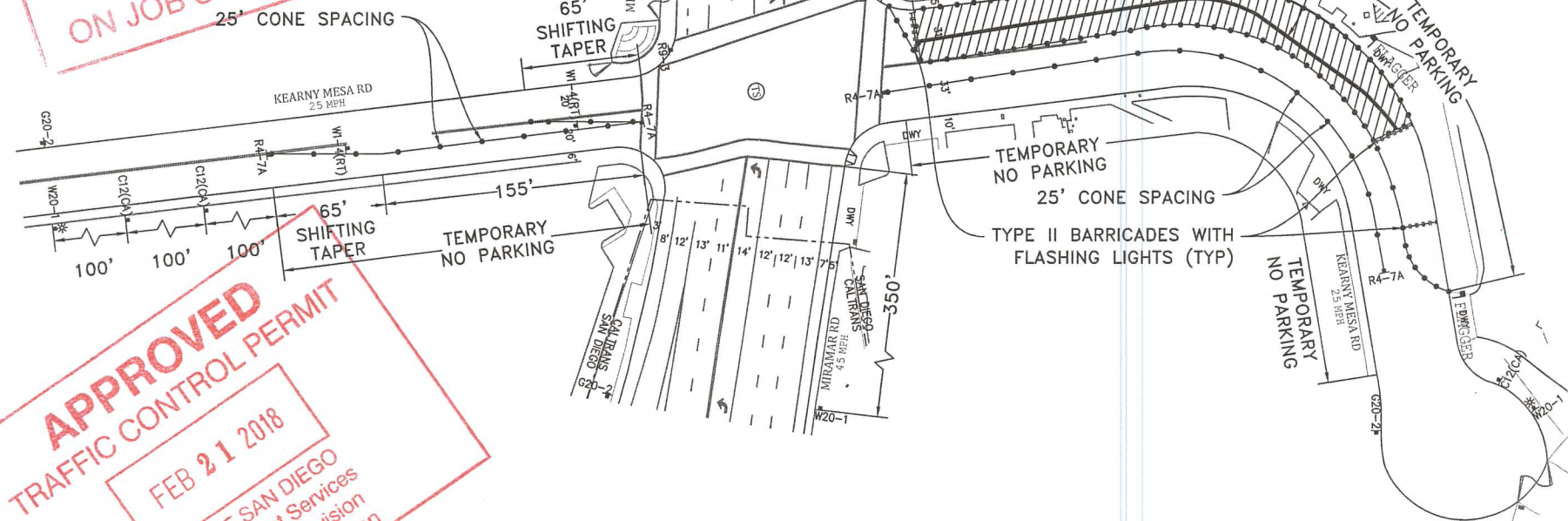
DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT

SHEET 1 OF 4



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



PHASE SD - 1

PROJECT NAME L-23071 - 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
2534 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: 858.365.0500 WWW.NV5.COM

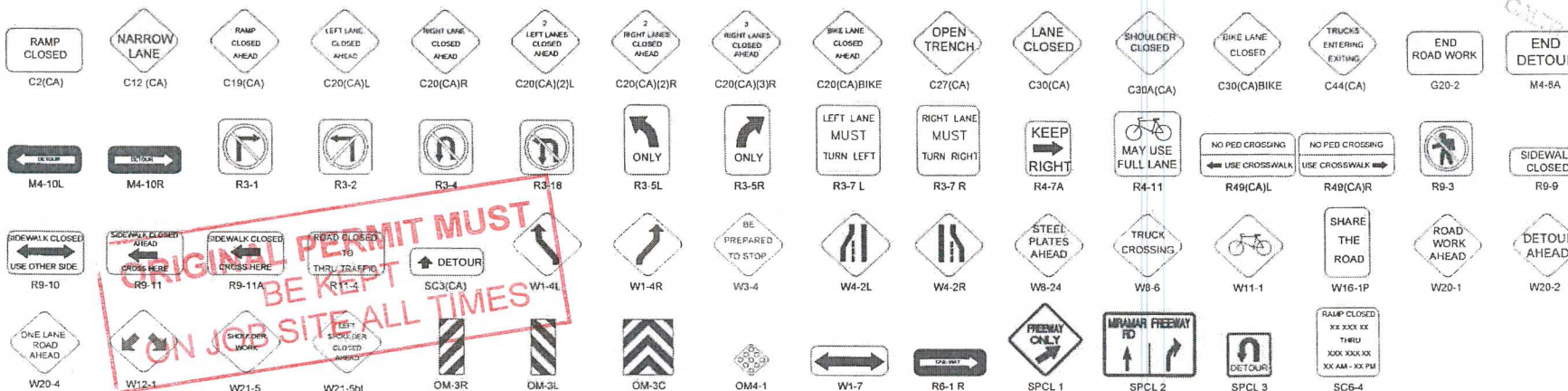
AIRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

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

SHEET 2 OF 4

RECEIVED
JAN 24 2018

SIGN LEGEND



ORIGINAL PERMIT MUST
 BE KEPT
 ON JOB SITE ALL TIMES

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING		MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (M)		MAXIMUM CHANNELIZING DEVICE SPACING	
SPEED (5)	TANGENT L	SHOULDER L/2	SHOULDER L/3	TAPER T	CONF. CT C
25	160	80	40	25	40
35	250	125	63	42	50
45	350	180	90	60	70
55	480	245	123	82	90
65	640	320	160	107	110
75	820	410	207	137	140
85	1020	510	255	172	170
95	1240	630	315	210	210
105	1480	770	380	250	250
115	1740	930	450	290	290
125	2020	1110	525	330	330
135	2320	1310	615	370	370
145	2640	1530	710	410	410
155	2980	1770	810	450	450
165	3340	2030	915	490	490
175	3720	2310	1030	530	530
185	4120	2610	1150	570	570
195	4540	2930	1280	610	610
205	4980	3270	1410	650	650
215	5440	3630	1550	690	690
225	5920	4010	1700	730	730
235	6420	4410	1850	770	770
245	6940	4830	2000	810	810
255	7480	5270	2150	850	850
265	8040	5730	2300	890	890
275	8620	6210	2450	930	930
285	9220	6710	2600	970	970
295	9840	7230	2750	1010	1010
305	10480	7770	2900	1050	1050
315	11140	8330	3050	1090	1090
325	11820	8910	3200	1130	1130
335	12520	9510	3350	1170	1170
345	13240	10130	3500	1210	1210
355	13980	10770	3650	1250	1250
365	14740	11430	3800	1290	1290
375	15520	12110	3950	1330	1330
385	16320	12810	4100	1370	1370
395	17140	13530	4250	1410	1410
405	17980	14270	4400	1450	1450
415	18840	15030	4550	1490	1490
425	19720	15810	4700	1530	1530
435	20620	16610	4850	1570	1570
445	21540	17430	5000	1610	1610
455	22480	18270	5150	1650	1650
465	23440	19130	5300	1690	1690
475	24420	20010	5450	1730	1730
485	25420	20910	5600	1770	1770
495	26440	21830	5750	1810	1810
505	27480	22770	5900	1850	1850
515	28540	23730	6050	1890	1890
525	29620	24710	6200	1930	1930
535	30720	25710	6350	1970	1970
545	31840	26730	6500	2010	2010
555	32980	27770	6650	2050	2050
565	34140	28830	6800	2090	2090
575	35320	29910	6950	2130	2130
585	36520	31010	7100	2170	2170
595	37740	32130	7250	2210	2210
605	38980	33270	7400	2250	2250
615	40240	34430	7550	2290	2290
625	41520	35610	7700	2330	2330
635	42820	36810	7850	2370	2370
645	44140	38030	8000	2410	2410
655	45480	39270	8150	2450	2450
665	46840	40530	8300	2490	2490
675	48220	41810	8450	2530	2530
685	49620	43110	8600	2570	2570
695	51040	44430	8750	2610	2610
705	52480	45770	8900	2650	2650
715	53940	47130	9050	2690	2690
725	55420	48510	9200	2730	2730
735	56920	49910	9350	2770	2770
745	58440	51330	9500	2810	2810
755	59980	52770	9650	2850	2850
765	61540	54230	9800	2890	2890
775	63120	55710	9950	2930	2930
785	64720	57210	10100	2970	2970
795	66340	58730	10250	3010	3010
805	67980	60270	10400	3050	3050
815	69640	61830	10550	3090	3090
825	71320	63410	10700	3130	3130
835	73020	65010	10850	3170	3170
845	74740	66630	11000	3210	3210
855	76480	68270	11150	3250	3250
865	78240	69930	11300	3290	3290
875	80020	71610	11450	3330	3330
885	81820	73310	11600	3370	3370
895	83640	75030	11750	3410	3410
905	85480	76770	11900	3450	3450
915	87340	78530	12050	3490	3490
925	89220	80310	12200	3530	3530
935	91120	82110	12350	3570	3570
945	93040	83930	12500	3610	3610
955	94980	85770	12650	3650	3650
965	96940	87630	12800	3690	3690
975	98920	89510	12950	3730	3730
985	100920	91410	13100	3770	3770
995	102940	93330	13250	3810	3810

* For other efforts, use the following taper length formula:
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, otherwise 85th-percentile speed prior to work starting, or the posted speed prior to work starting

** Use for taper and tangent sections where there are no pavement markings or where (1) a single solid line is used as a channelizing device, or (2) a single solid line is used as a channelizing device and a single solid line is used as a channelizing device.

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING		DOWNGRADE Min D ***	
SPEED *	Up D **	-3%	-4%
25	115	175	175
35	155	205	205
45	200	235	235
55	250	265	265
65	300	295	295
75	350	325	325
85	400	355	355
95	450	385	385
105	500	415	415
115	550	445	445
125	600	475	475
135	650	505	505
145	700	535	535
155	750	565	565
165	800	595	595
175	850	625	625
185	900	655	655
195	950	685	685
205	1000	715	715
215	1050	745	745
225	1100	775	775
235	1150	805	805
245	1200	835	835
255	1250	865	865
265	1300	895	895
275	1350	925	925
285	1400	955	955
295	1450	985	985
305	1500	1015	1015
315	1550	1045	1045
325	1600	1075	1075
335	1650	1105	1105
345	1700	1135	1135
355	1750	1165	1165
365	1800	1195	1195
375	1850	1225	1225
385	1900	1255	1255
395	1950	1285	1285
405	2000	1315	1315
415	2050	1345	1345
425	2100	1375	1375
435	2150	1405	1405
445	2200	1435	1435
455	2250	1465	1465
465	2300	1495	1495
475	2350	1525	1525
485	2400	1555	1555
495	2450	1585	1585
505	2500	1615	1615
515	2550	1645	1645
525	2600	1675	1675
535	2650	1705	1705
545	2700	1735	1735
555	2750	1765	1765
565	2800	1795	1795
575	2850	1825	1825
585	2900	1855	1855
595	2950	1885	1885
605	3000	1915	1915
615	3050	1945	1945
625	3100	1975	1975
635	3150	2005	2005
645	3200	2035	2035
655	3250	2065	2065
665	3300	2095	2095
675	3350	2125	2125
685	3400	2155	2155
695	3450	2185	2185
705	3500	2215	2215
715	3550	2245	2245
725	3600	2275	2275
735	3650	2305	2305
745	3700	2335	2335
755	3750	2365	2365
765	3800	2395	2395
775	3850	2425	2425
785	3900	2455	2455
795	3950	2485	2485
805	4000	2515	2515
815	4050	2545	2545
825	4100	2575	2575
835	4150	2605	2605
845	4200	2635	2635
855	4250	2665	2665
865	4300	2695	2695
875	4350	2725	2725
885	4400	2755	2755
895	4450	2785	2785
905	4500	2815	2815
915	4550	2845	2845
925	4600	2875	2875
935	4650	2905	2905
945	4700	2935	2935
955	4750	2965	2965
965	4800	2995	2995
975	4850	3025	3025
985	4900	3055	3055
995	4950	3085	3085

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

TABLE 3

ADVANCE WARNING SIGN SPACING		DISTANCE BETWEEN SIGNS *	
ROAD TYPE	SPEED (5)	A	B
		100	100
URBAN - 25 mph or less	25	100	100
URBAN - MORE THAN 25 mph TO 40 mph	35	250	250
URBAN - MORE THAN 40 mph	45	350	350
RURAL	55	500	500
EXPRESSWAY / FREEWAY	65	1000	1000

* - The distances are approximate, are intended for guidance purposes only, and 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
 CONTROL PERMIT
 FEB 21 2018
 CITY OF SAN DIEGO
 Development Division
 Engineering Section

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

AIRX 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 **1** OF **48**

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

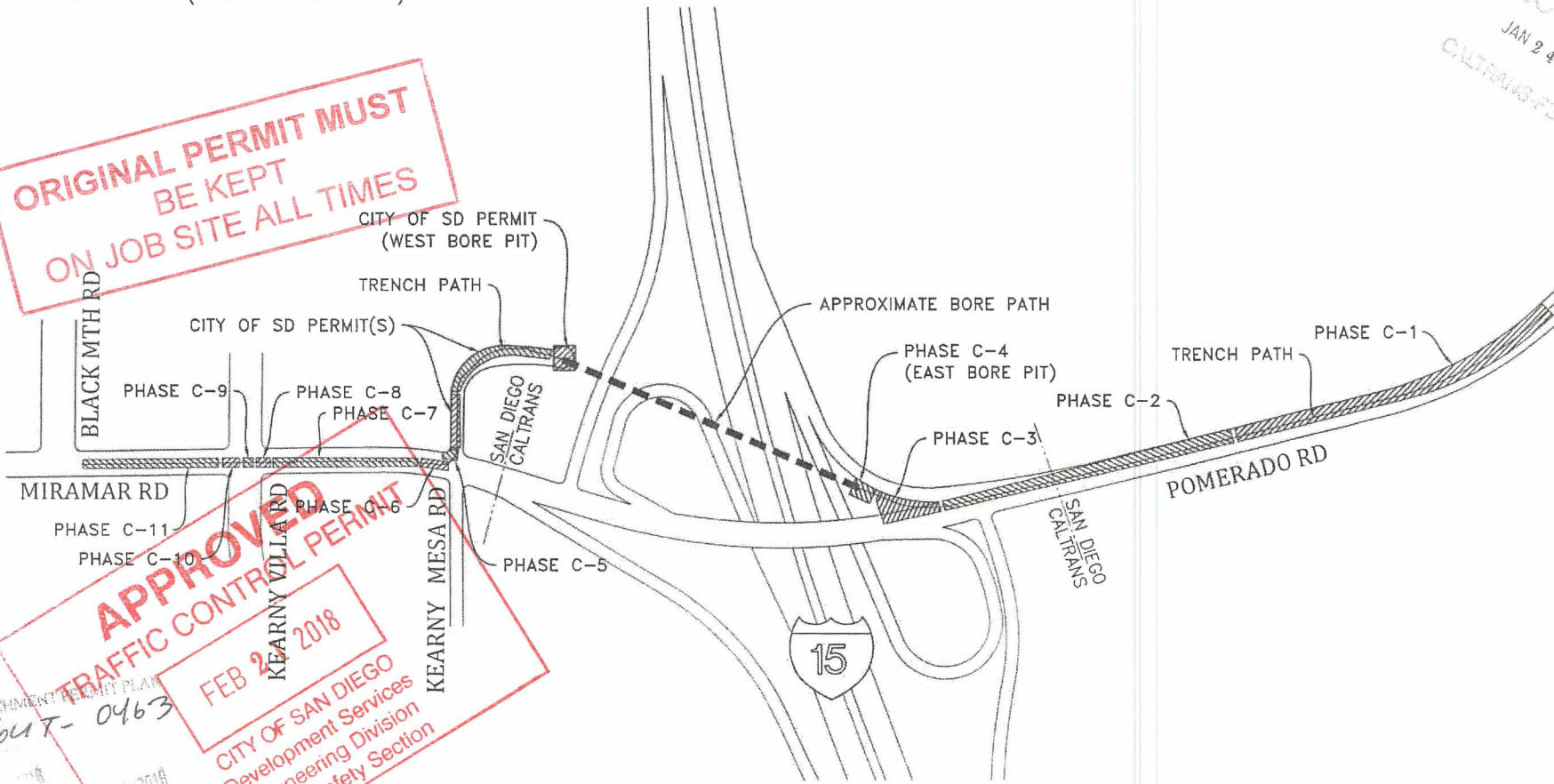
15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 365 0560 WWW.NV5.COM



PHASE MAP: (NOT TO SCALE)

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

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CALTRANS-PER



**APPROVED
TRAFFIC CONTROL PERMIT
FEB 22 2018**

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

PROJECT NAME: 9123071 - Sycamore Canyon Substation To
Penasquitos Substation - 230 KV Underground

AIRX SURVEYORS, INC.
Gail McMorran
President
2334 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO CA 92027
PHONE: (760) 490-2347
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

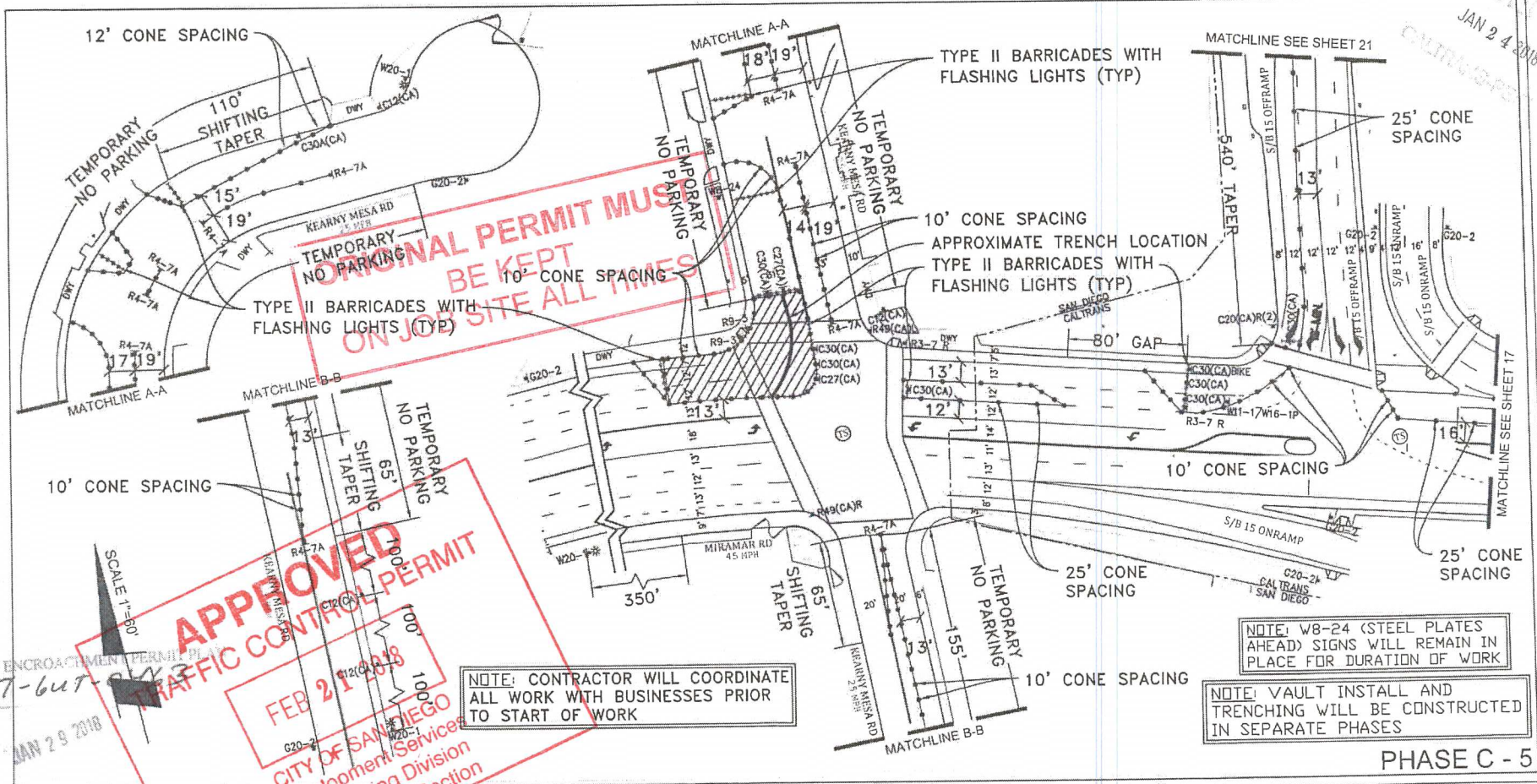
THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



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

SHEET 2 OF 48



PROJECT NAME: Sycamore Canyon Substation To Pensquitos Substation - 230 KV Underground



NV5

15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 658.385 0500 WWW.NV5.COM

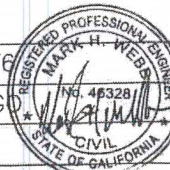
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: SAN DIEGO

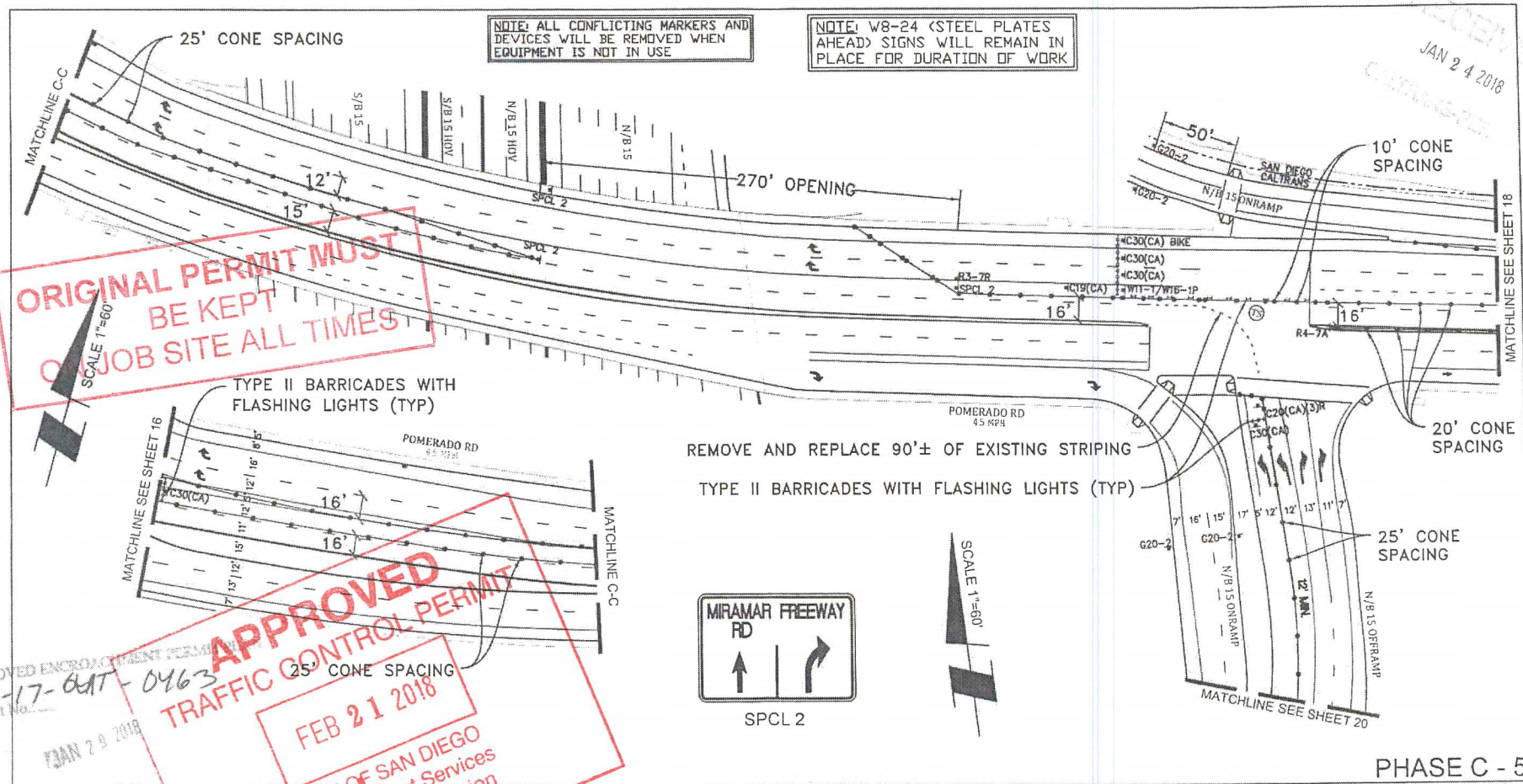


DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 16 OF 48



PROJECT NAME: TL23079 - 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) 480-2347
CELL: (760) 419-3728

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#:

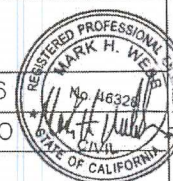
DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT

DATE: 1/22/2018

DESIGNED: Clint Jones

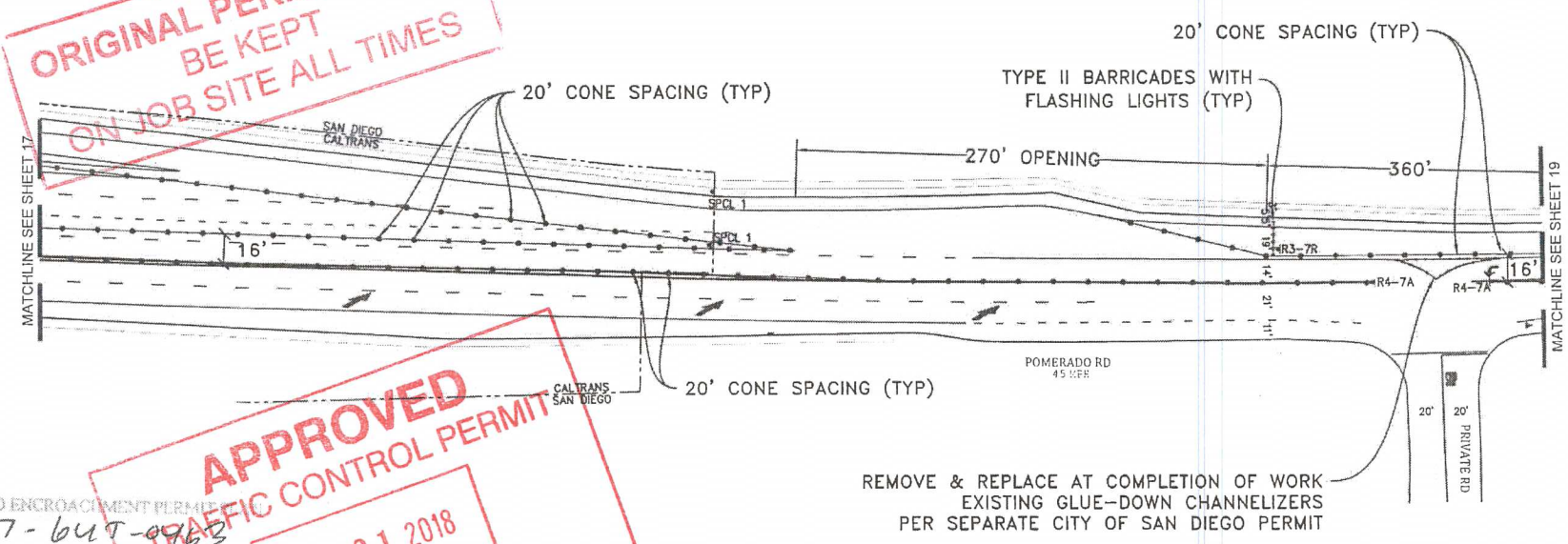
CHECKED BY: Mark Webb



SHEET 17 OF 48

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

RECEIVED
JAN 24 2018
SCALE 1"=60'



APPROVED
TRAFFIC CONTROL PERMIT
FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

APPROVED ENCROACHMENT PERMIT
11-17-647-0763
Permit No.:



SPCL 1

PHASE C - 5

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

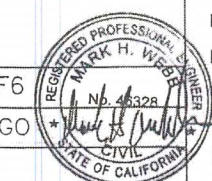
AIRX SURVEYORS, INC.
2534 EAST EL NORTE PARKWAY, SUITE C
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PHONE: (760) 480-2347
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Gail McMorran
President

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



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

SHEET 18 OF 48



APPROVED
TRAFFIC CONTROL PERMIT
FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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

22' CONE SPACING (TYP)

360'

270' SHIFTING TAPER

180' BIKE SHIFTING TAPER

22' CONE SPACING (TYP)

20' CONE SPACING (TYP)

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

20' CONE SPACING (TYP)

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



NV5

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

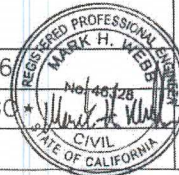
AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

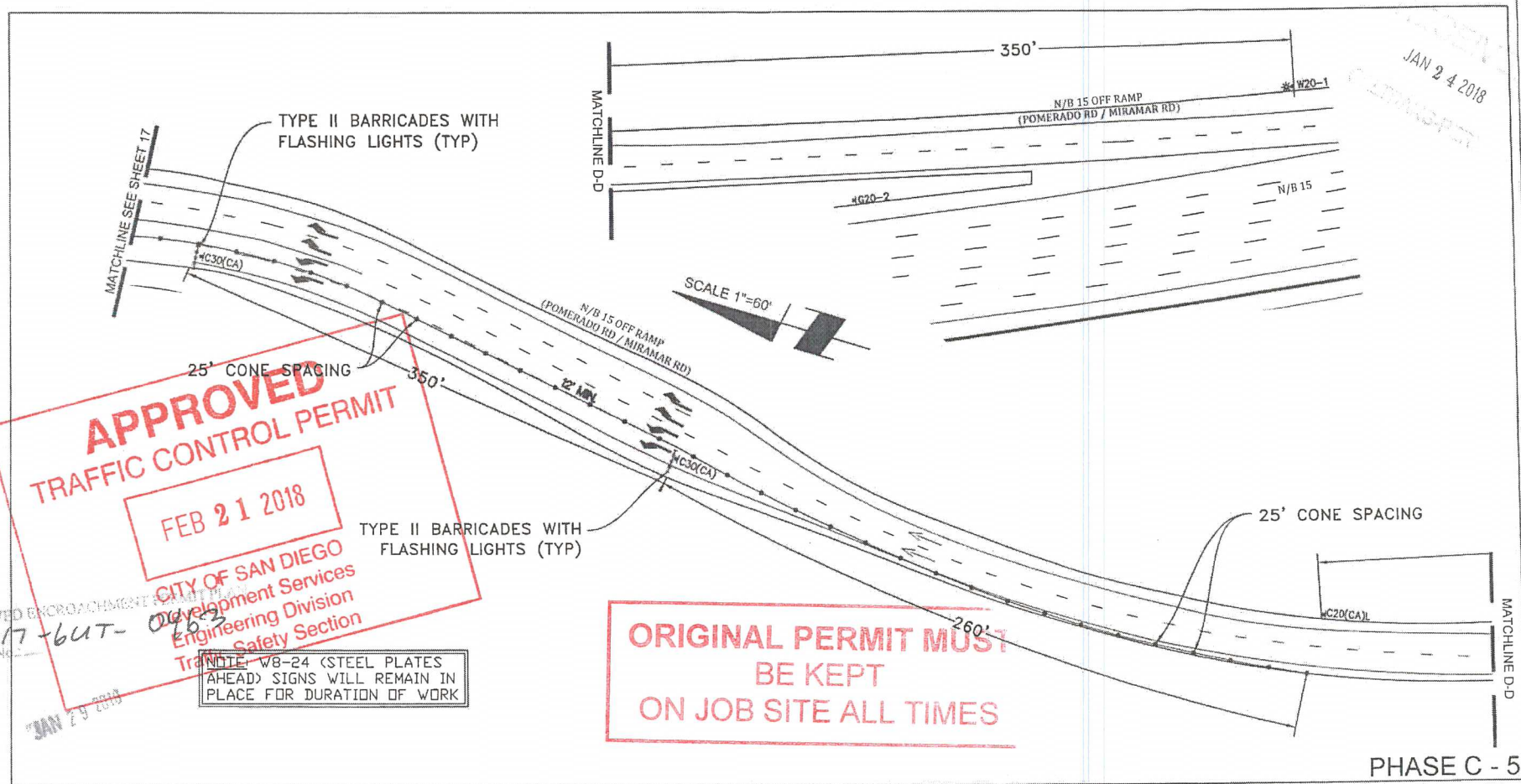
MISC/POTHOLE#:

DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 19 OF 48



PHASE C - 5

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

AIRX SURVEYING, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 490-2347
CELL: (760) 419-3748

NV5

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

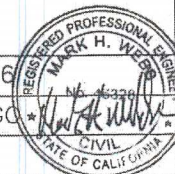
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: SAN DIEGO

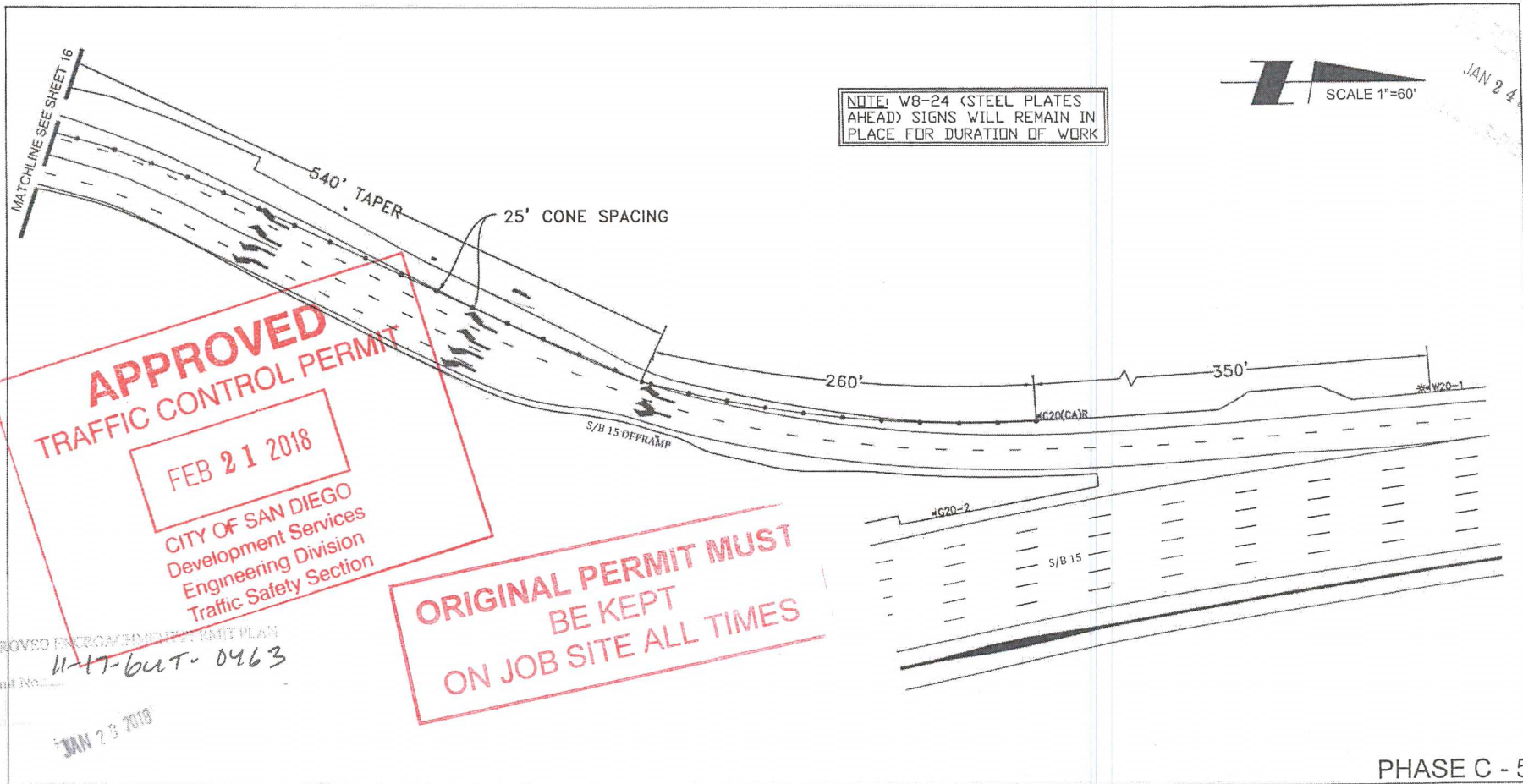


DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 20 OF 48



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

AIRX SURVEYORS, INC.
Gail McMorran
President
3534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 486-2347
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: SAN DIEGO



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

SHEET 21 OF 48

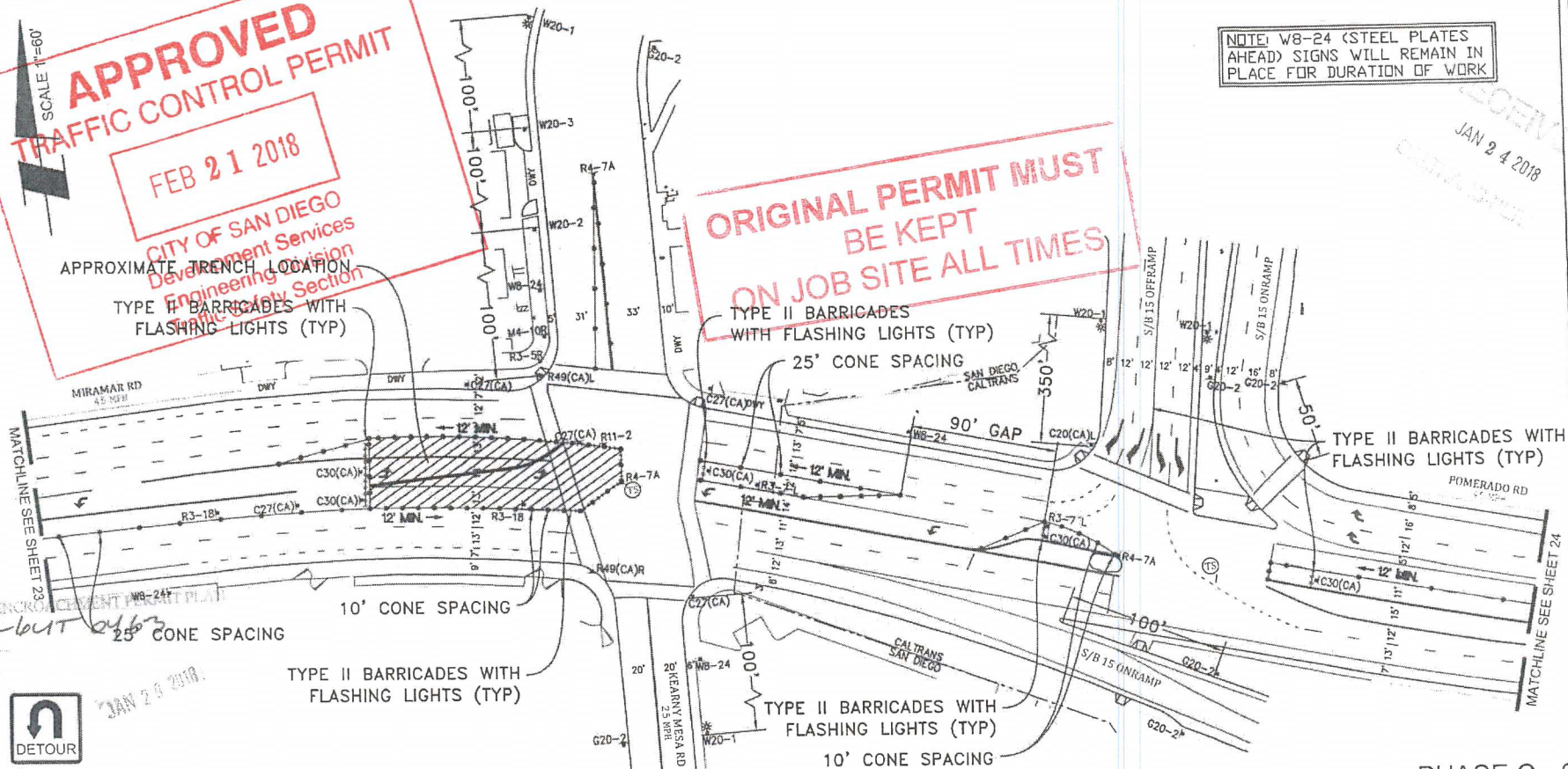
APPROVED
TRAFFIC CONTROL PERMIT
FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section
APPROXIMATE TRENCH LOCATION
TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

**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

JAN 24 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



SHEET 22 OF 48

AIRX
SURVEYORS, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY SUITE C
CROSBY, 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

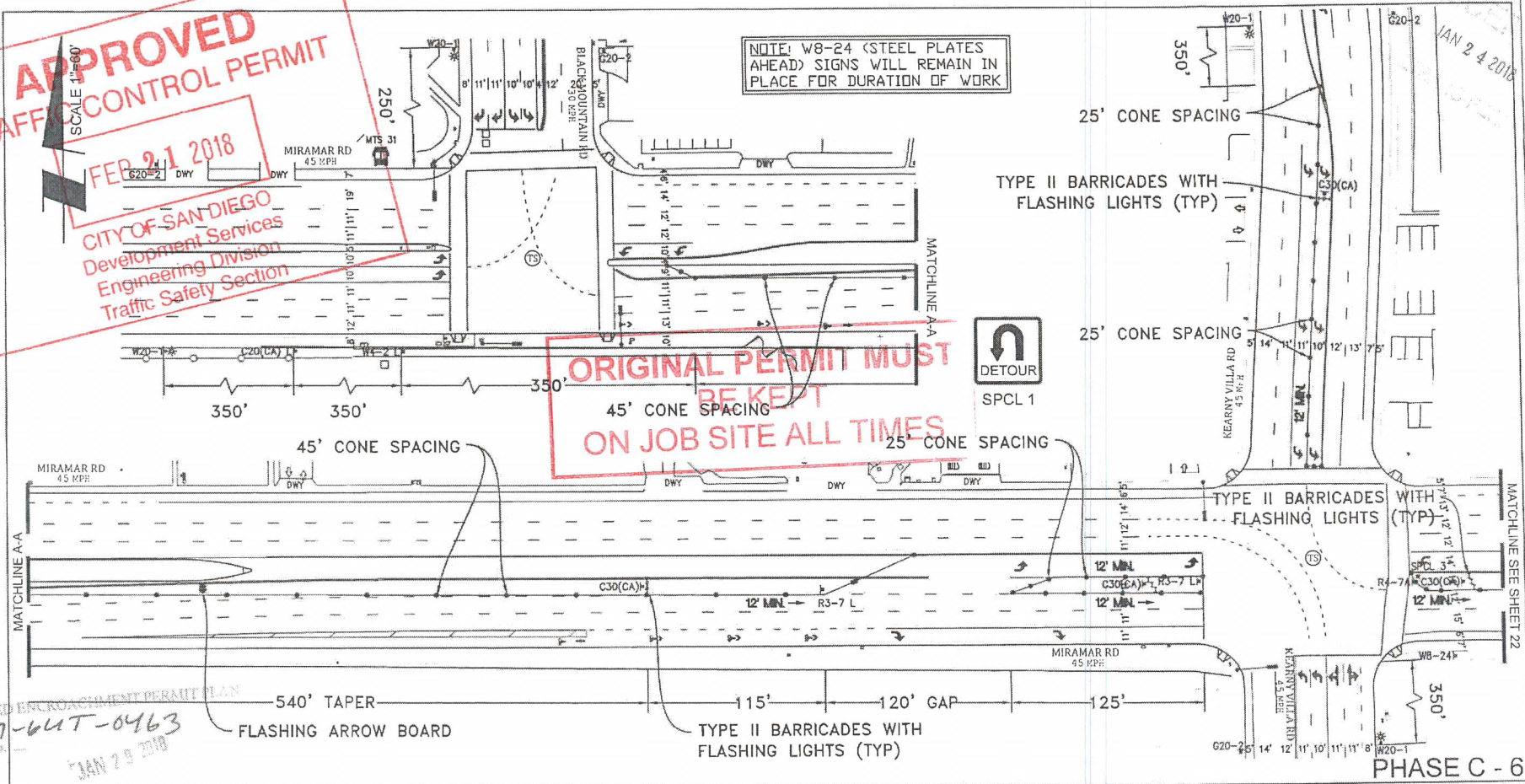
AIRX JOB#: X160218
THOMAS GRID#: 1209-F6
MISC/POTHOLE#:
DRAWN FOR: SAN DIEGO
TYPE OF WORK: TRENCHING / CONDUIT

APPROVED
TRAFFIC CONTROL PERMIT

FEB 21 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



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

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

SHEET 23 OF 48

AIRX SURVEYORS, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2547
CELL: (760) 418-3738

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

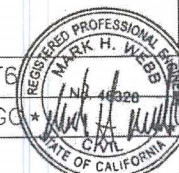
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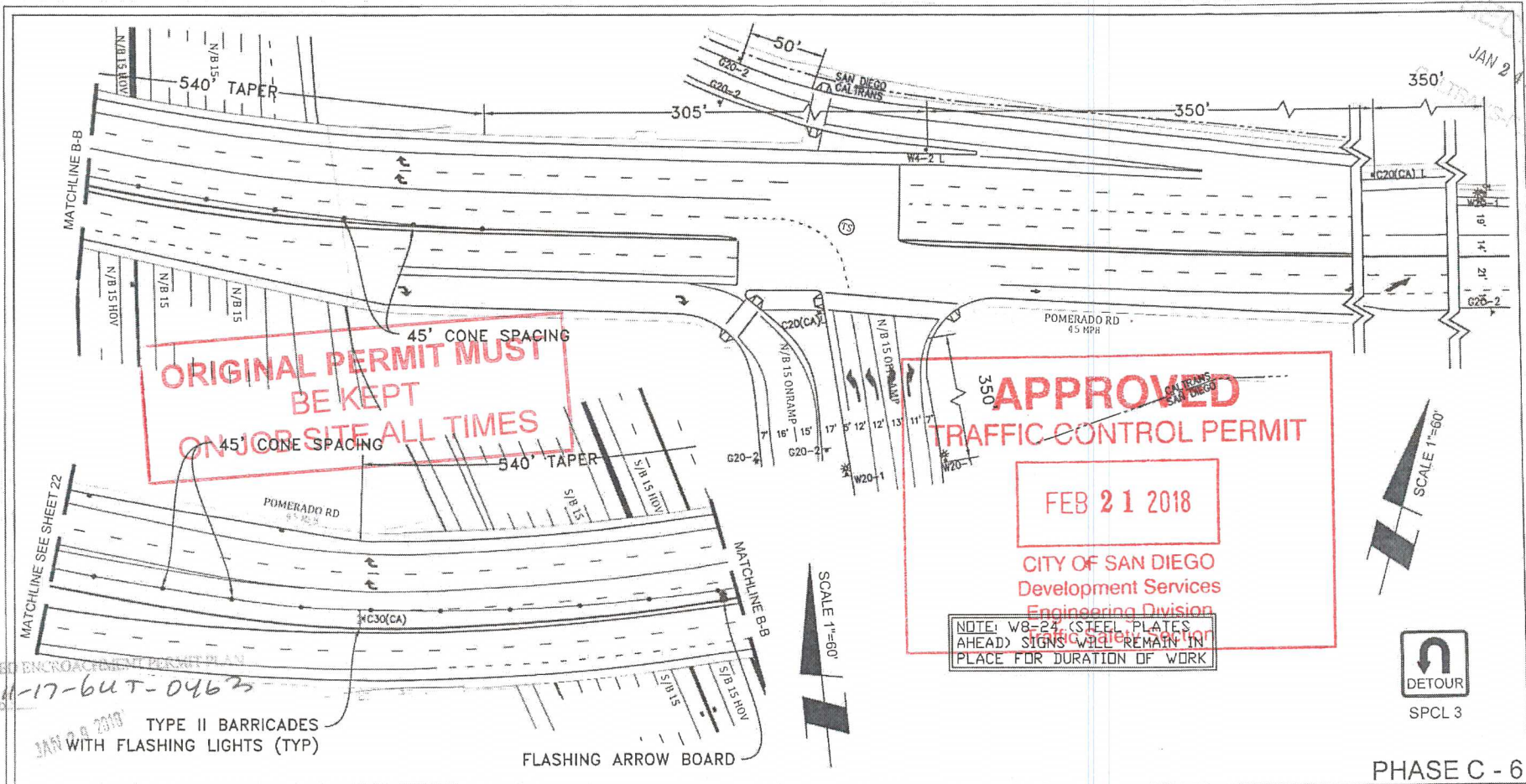
THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT





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
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 419-3736

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

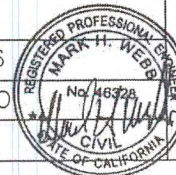
AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

DRAWN FOR: SAN DIEGO

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 24 OF 48

SCALE 1"=60'

APPROVED
TRAFFIC CONTROL PERMIT

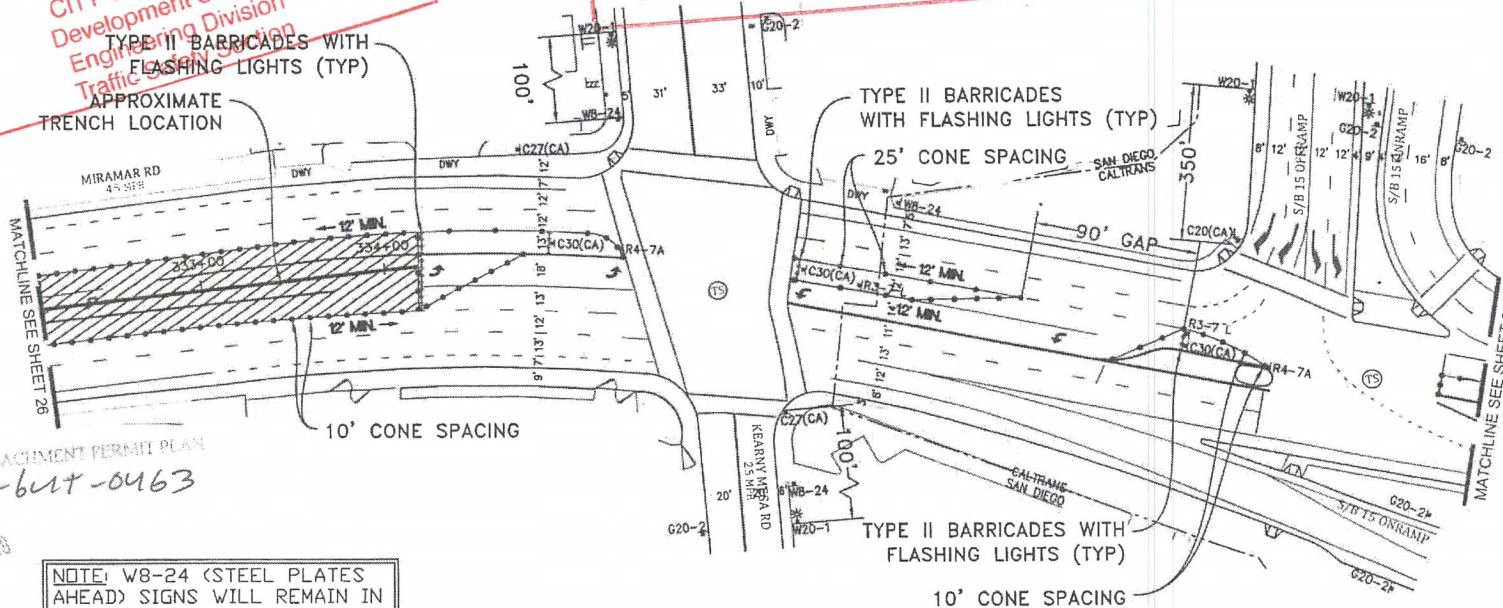
FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Engineering Section

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

JAN 24 2018

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



APPROVED ENCROACHMENT PERMIT PLAN
61-17-611-0463

JAN 23 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
2334 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 440-2347
CELL: (760) 419-3728

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

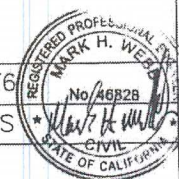
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS

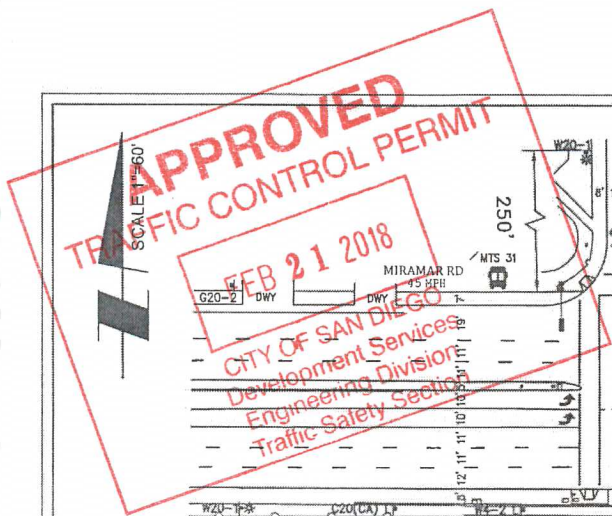


DATE: 1/22/2018

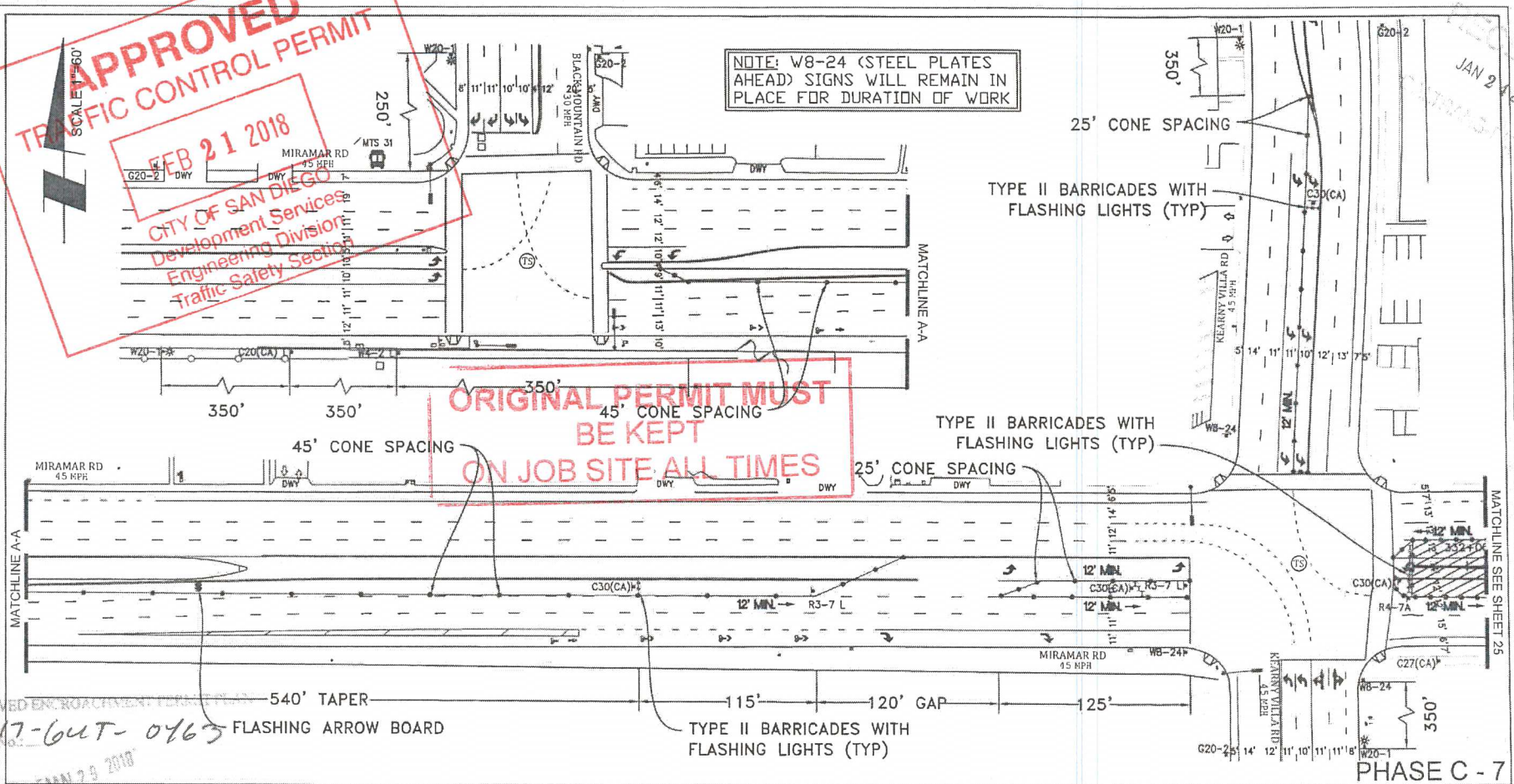
DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 25 OF 48



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



JAN 24 2018

APPROVED ENCROACHMENT PERMIT 11-17-64T-0763

PHASE C - 7

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

AIRX SURVEYORS, INC.
Gail McMorran
President
2034 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: 858 385 0500 WWW.NV5.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

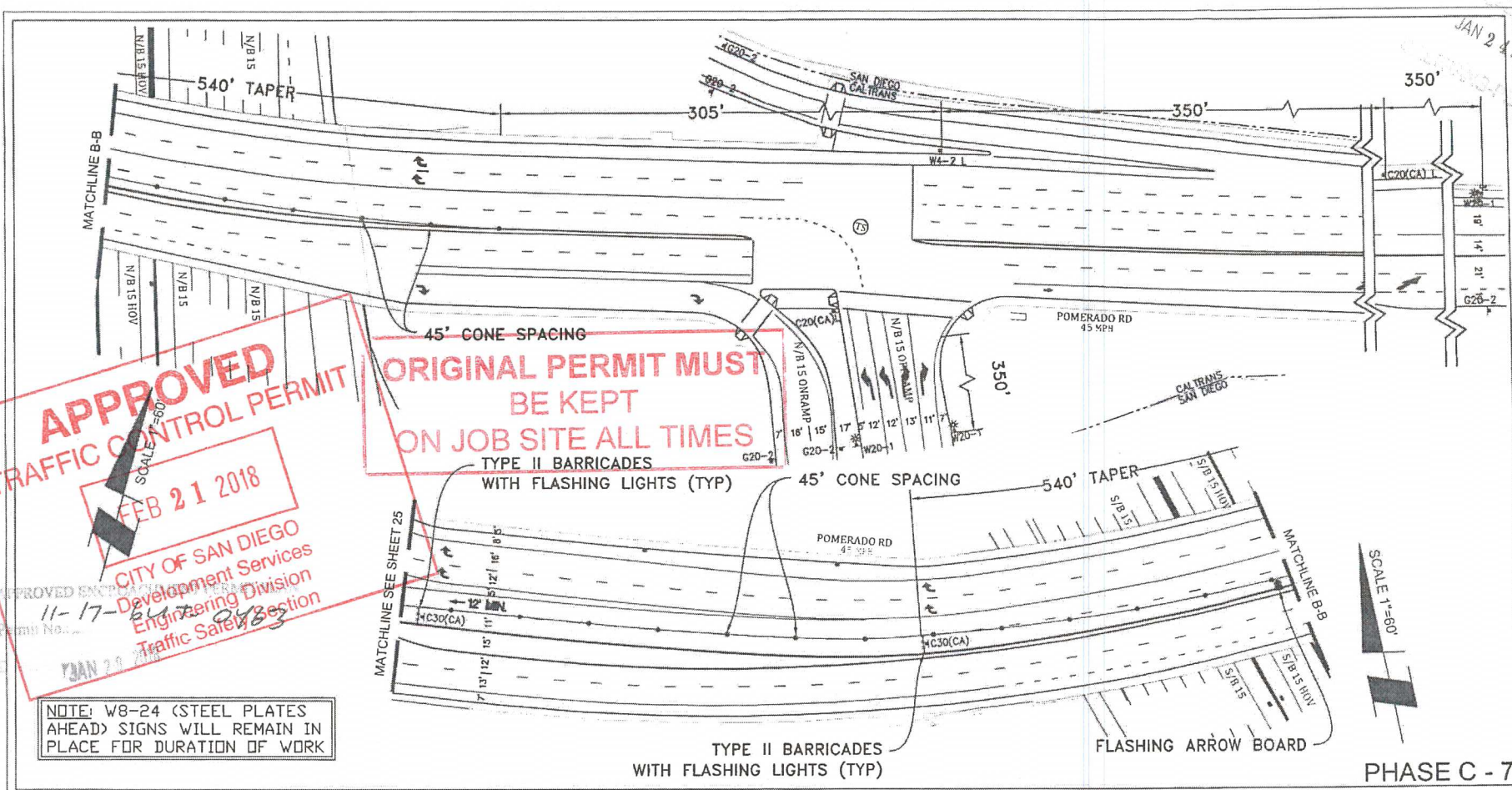
SHEET 26 OF 48

JAN 24 2018

APPROVED
TRAFFIC CONTROL PERMIT
 SCALE 1"=60'
FEB 21 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section
 11-17-647-8183
 JAN 20 2018

**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



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

AIRX SURVEYORS, INC.
 Gail McMoran
 President
 2534 EAST EL MONTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 460-3307
 CELL: (760) 419-3738

NIV5

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

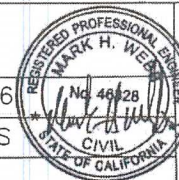
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

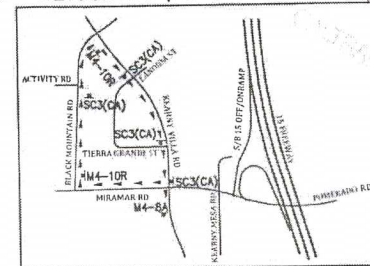
SHEET 27 OF 48

**APPROVED
TRAFFIC CONTROL PERMIT**

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

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

DETOUR MAP (NOT TO SCALE)



SCALE 1"=60'

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

25' CONE SPACING

APPROXIMATE TRENCH
LOCATION

10' CONE SPACING

PHASE C - 8

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

540' TAPER

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

25' CONE SPACING

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

115' 120' GAP 125'

MATCHLINE SEE SHEET 31

MATCHLINE SEE SHEET 29

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 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: 858.385.0500 WWW.NV5.COM

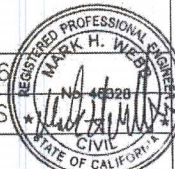
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



SHEET 28 OF 48

APPROVED

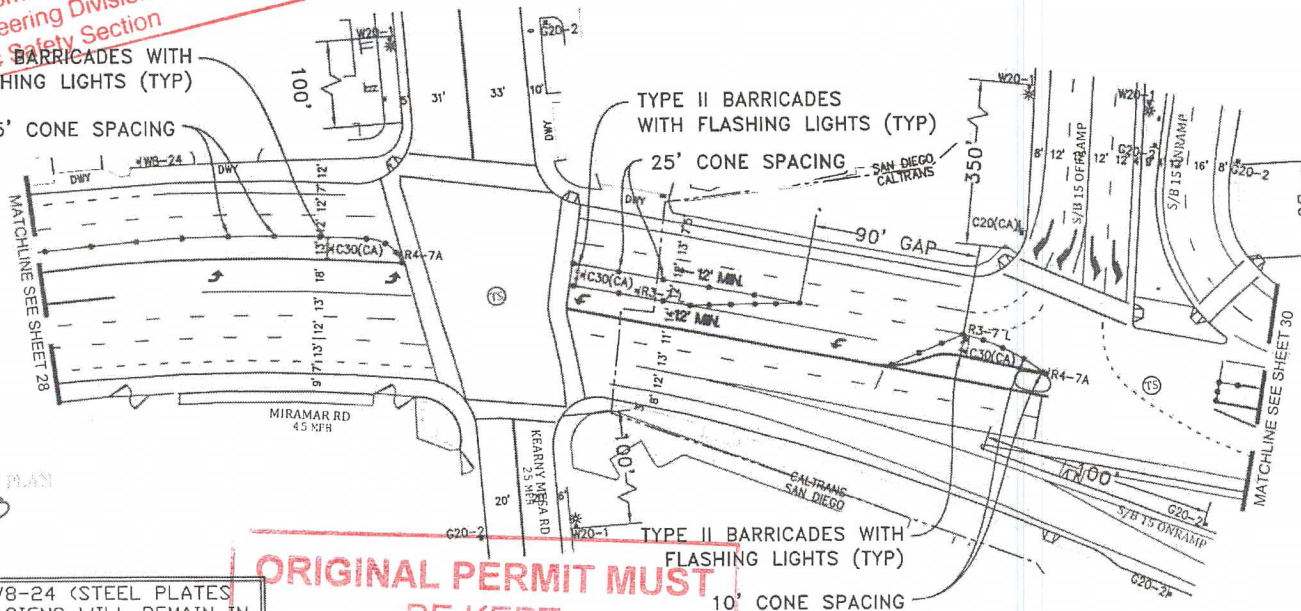
TRAFFIC CONTROL PERMIT

FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

25' CONE SPACING



APPROVED ENCROACHMENT PERMIT PLAN

Permit No. 11-17-644-0463

JAN 29 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**

PHASE C - 8

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



NV5

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

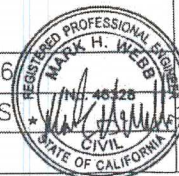
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MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



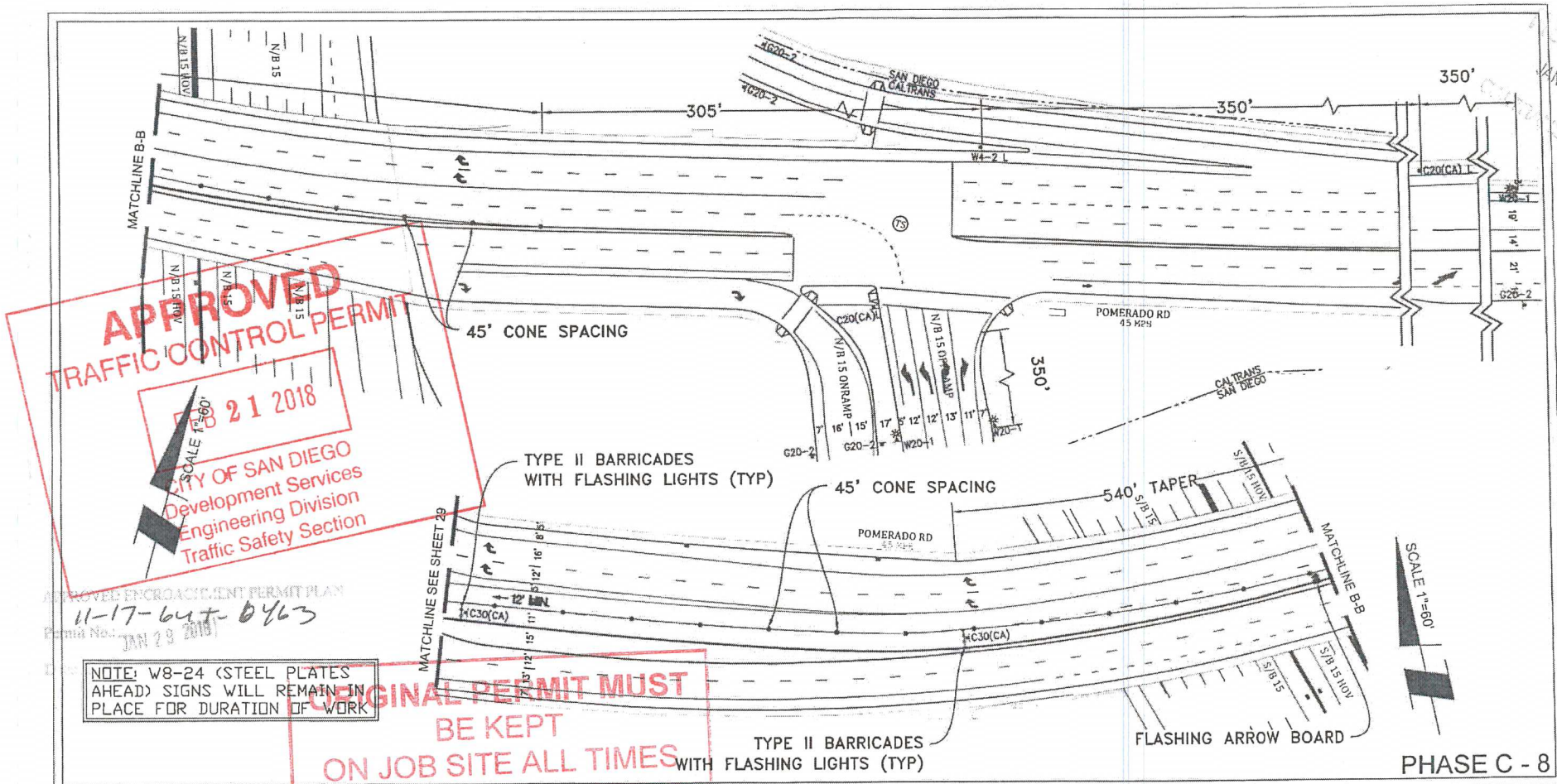
DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 29 OF 48

JAN 24 2018



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

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

NV5

15002 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-F

DRAWN FOR: CALTRANS

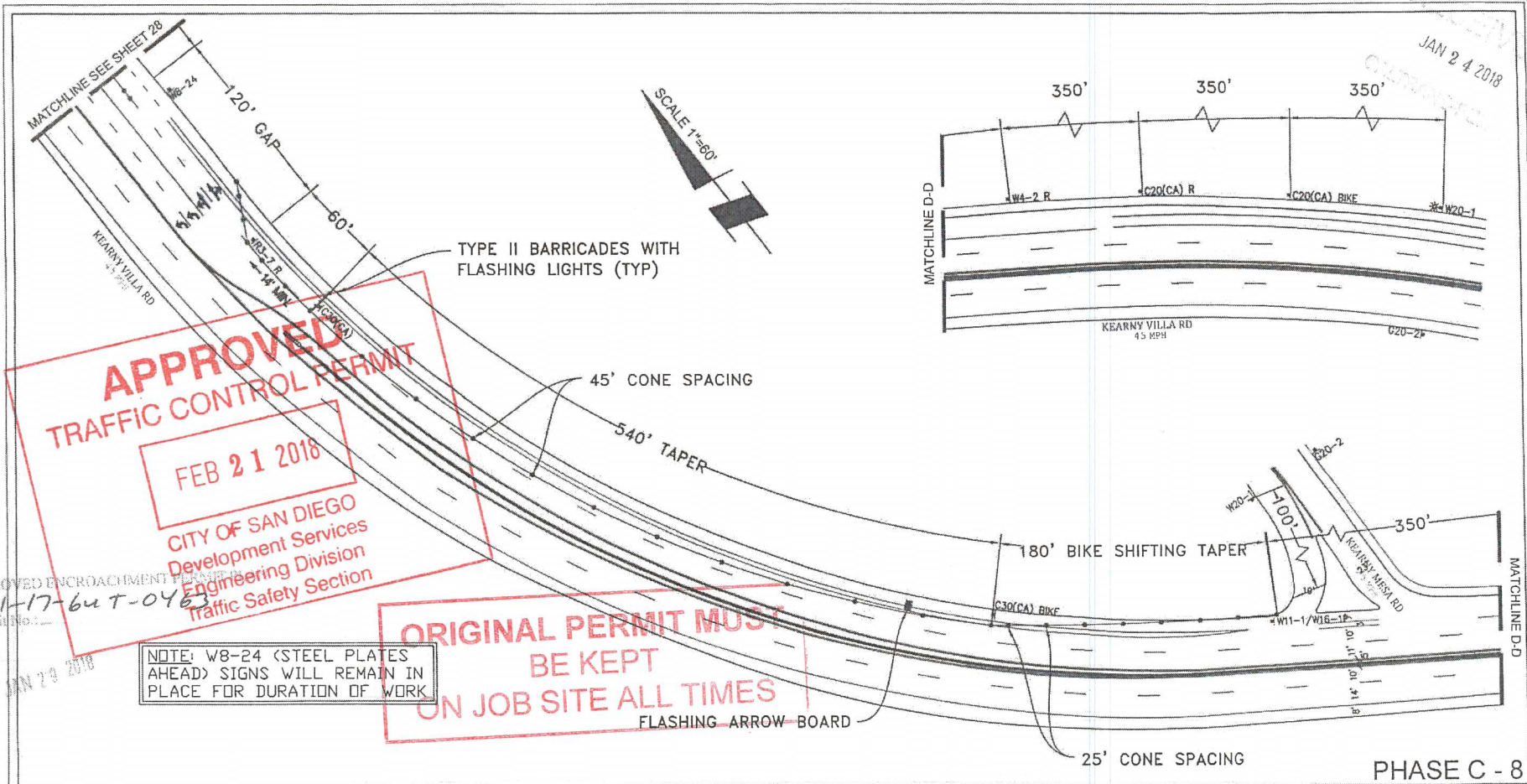


DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 30 OF 48



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) 480-2247
CELL: (760) 419-3738

NV5
15062 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 385.0500 WWW.NV5.COM

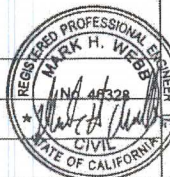
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



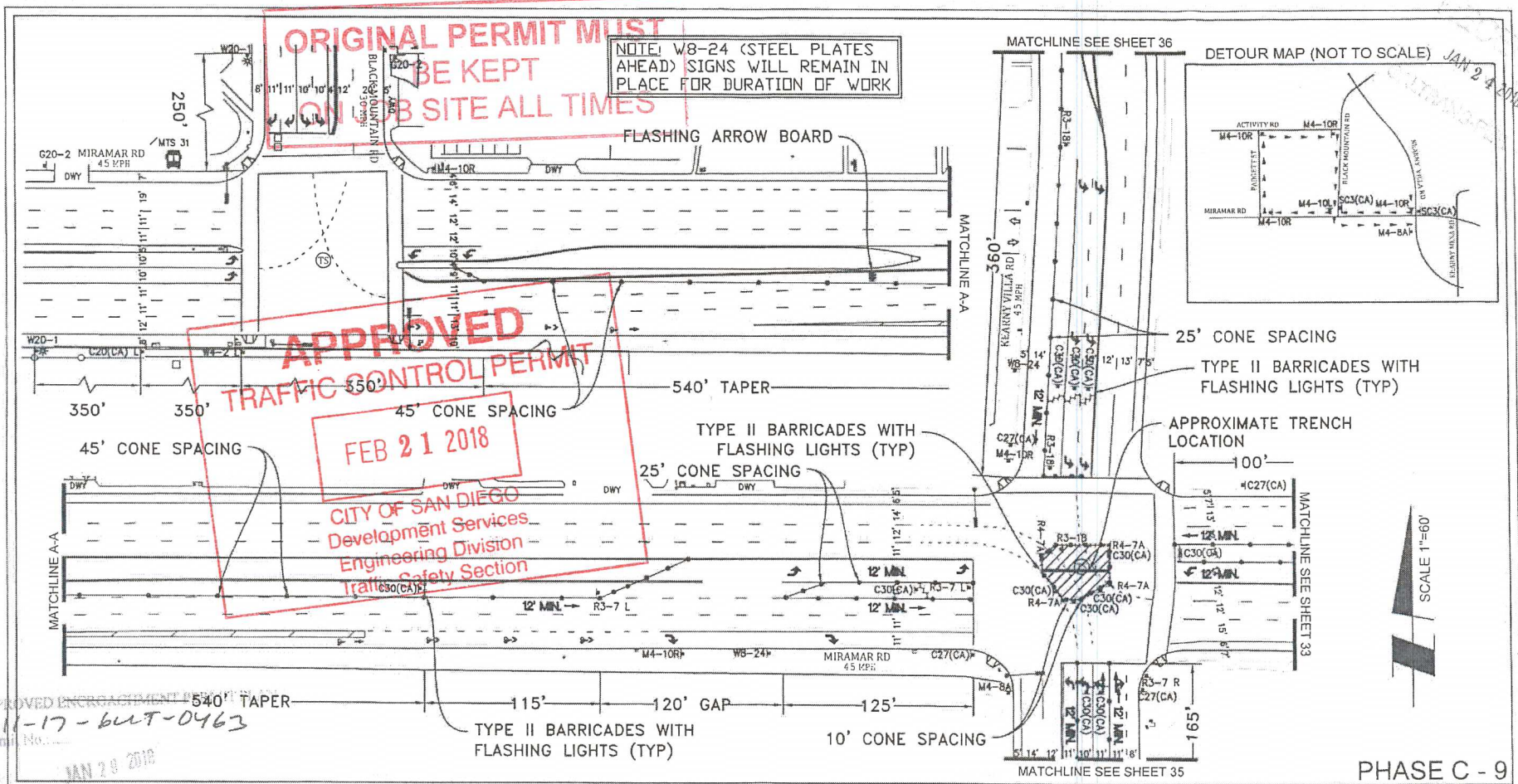
DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 31 OF 48

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
 2334 EAST EL NORTE PARKWAY SUITE C
 ESCONDIDO, CA 92027
 PHONE (760) 490-7347
 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: CALTRANS

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 32 OF 48

SCALE 1"=60'

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

[illegible]

APPROVED
MIRAMAR RD
15 MPH
TRAFFIC CONTROL PERMIT

FEB 21 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 - 9

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



NV 5

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

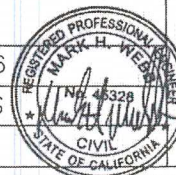
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS

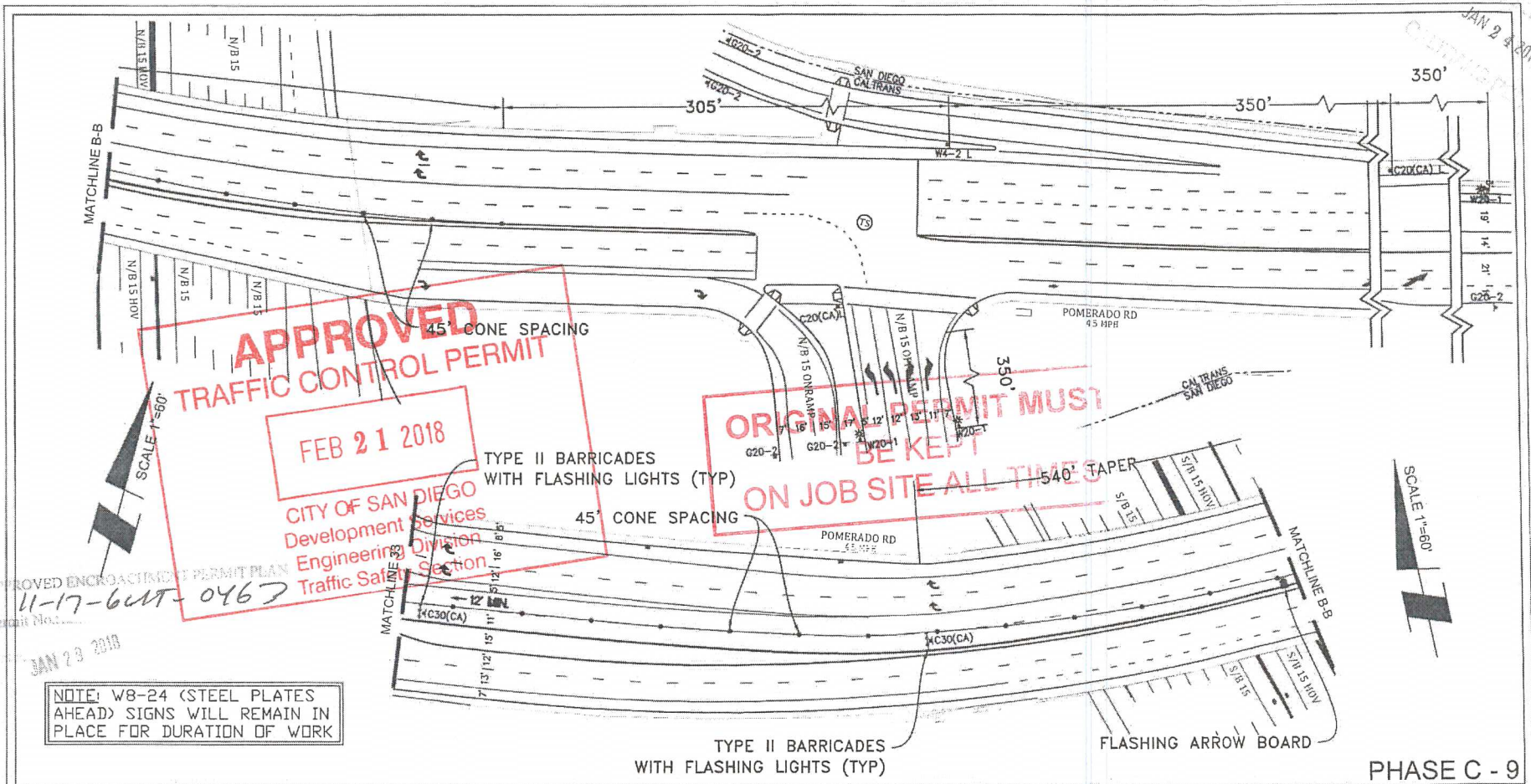


DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 33 OF 48



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 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

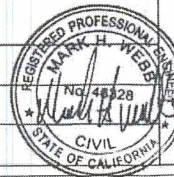
AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

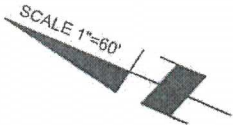
DRAWN FOR: CALTRANS

TYPE OF WORK: TRENCHING / CONDUIT

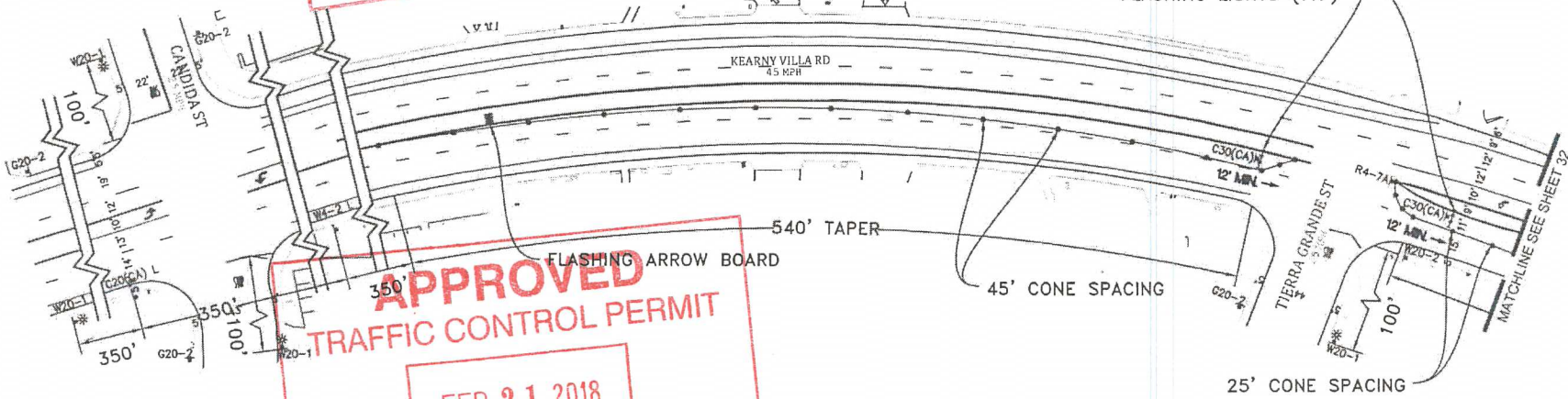


SHEET 34 OF 48

JAN 24 2018
CALTRANS



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



**APPROVED
TRAFFIC CONTROL PERMIT**

FEB 21 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

APPROVED ENCROACHMENT PERMIT PLAN

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

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

AIRX
SURVEYORS, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2341
CELL: (760) 419-3728

NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 656.365.0500 WWW.NV5.COM

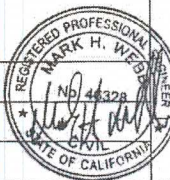
AIRX JOB#: X160218

THOMAS GRID#: 1209-F6

MISC/POTHOLE#:

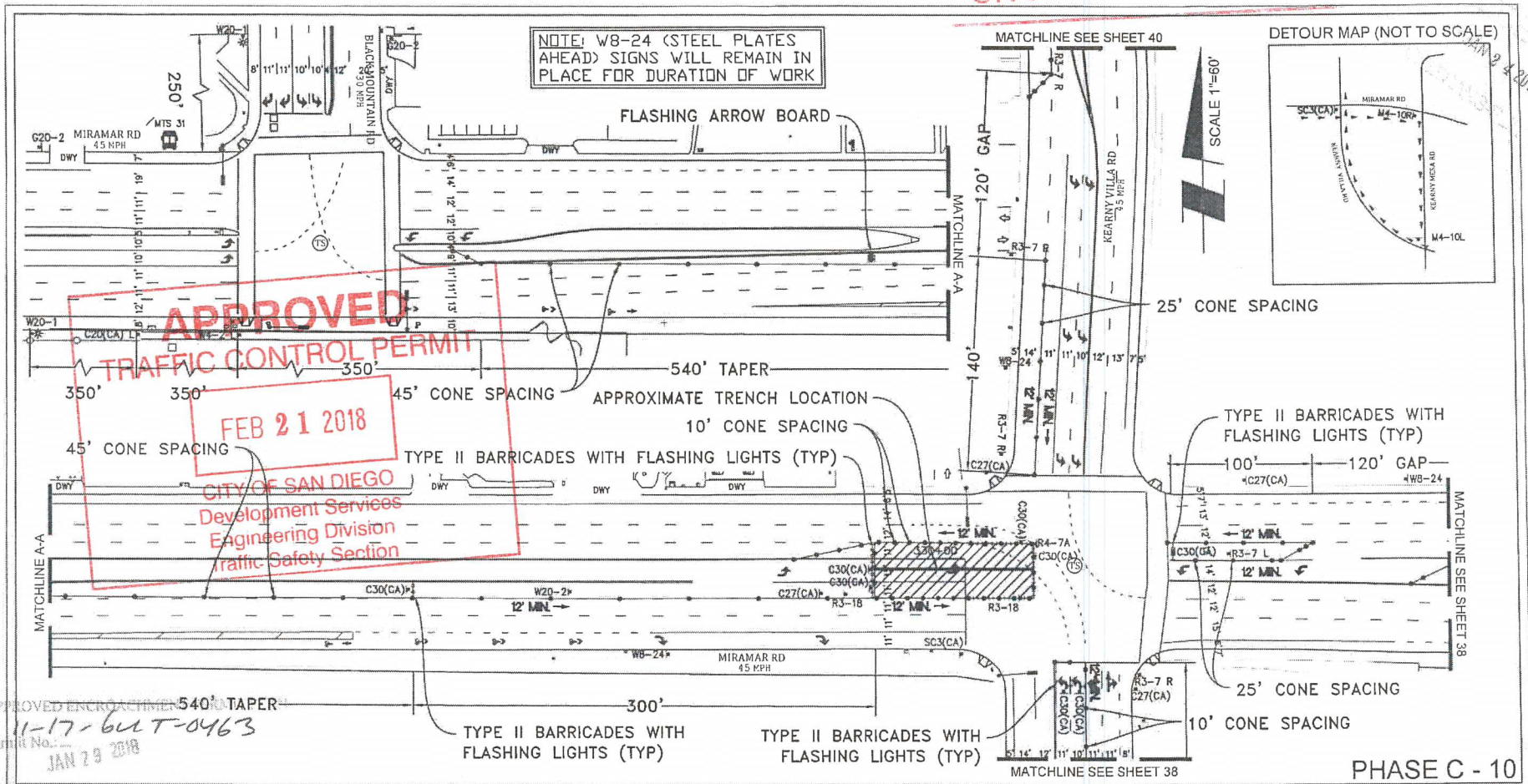
DRAWN FOR: CALTRANS

TYPE OF WORK: TRENCHING / CONDUIT



SHEET 36 OF 48

**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 McMoran
President
2334 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: 858 385 0500 WWW.NV5.COM

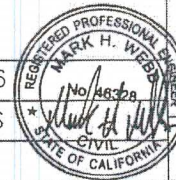
AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



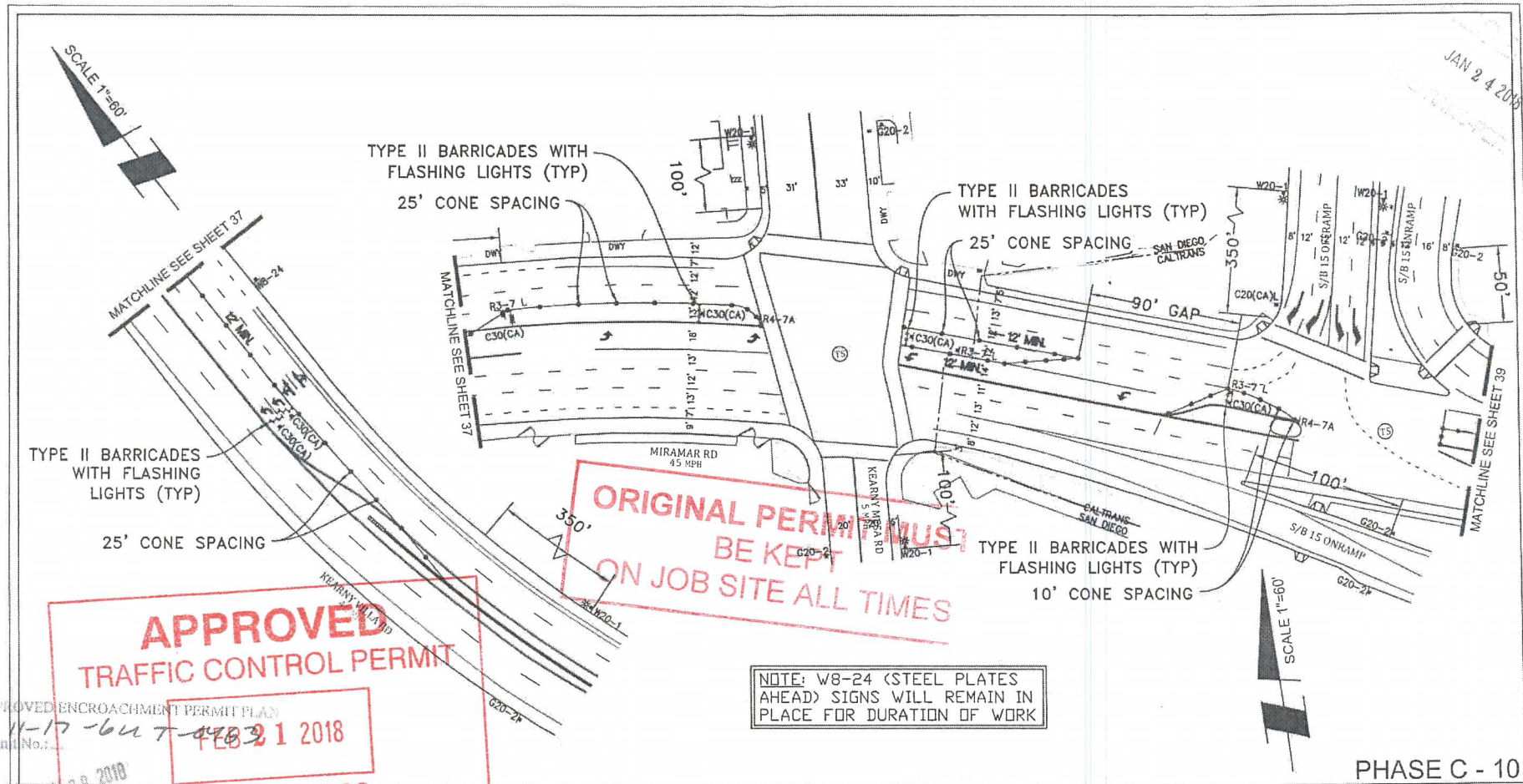
DATE: 1/22/2018

DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 37 OF 48

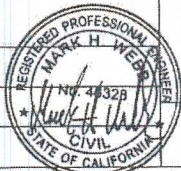
JAN 24 2018



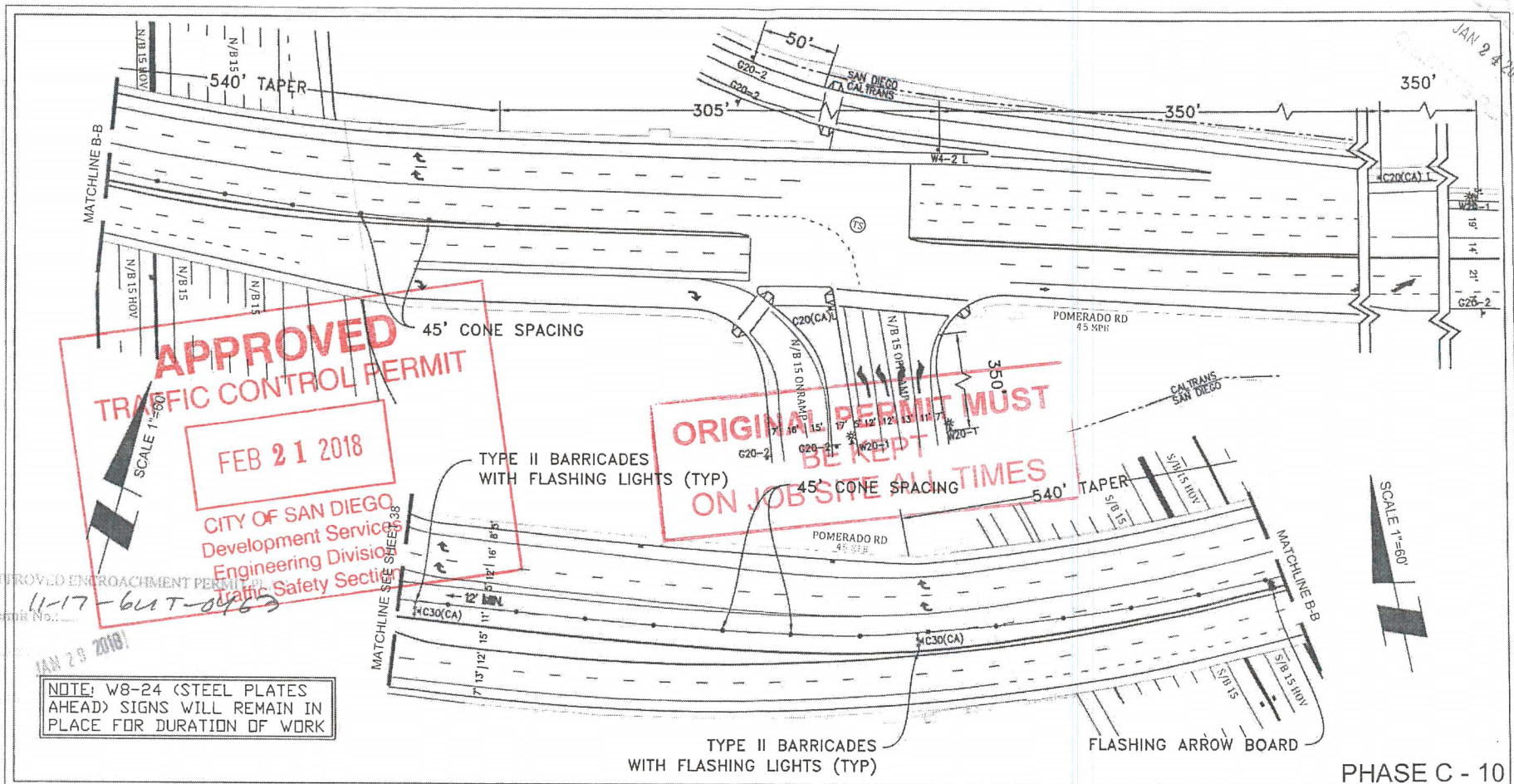
APPROVED ENCROACHMENT PERMIT PLAN
 11-17-647-448
 FEB 21 2018

PHASE C - 10

CITY OF SAN DIEGO PROJECT NAME: TL23071 - Sycamore Canyon Substation To Encinitas Substation - 230 KV Underground Engineering Division Traffic Safety Section		DATE: 1/22/2018 DESIGNED: Clint Jones CHECKED BY: Mark Webb	
AIRX SURVEYORS, INC. 2534 EAST EL NORTE PARKWAY SUITE C ENCINITAS, CA 92027 PHONE: (760) 440-2347 CELL: (760) 419-3736	GALE McMorran President	AIRX JOB#: X160218 MISC/POTHOLE#: TYPE OF WORK: TRENCHING / CONDUIT	THOMAS GRID#: 1209-F6 DRAWN FOR: CALTRANS



SHEET 38 OF 48



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

AIRX SURVEYORS, INC.
Gail McMoran
President
2534 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 496-2347
CELL: (760) 419-3736

NV5

15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 658 365.0500 WWW.NV5.COM

AIRX JOB#: X160218

MISC/POTHOLE#:

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6

DRAWN FOR: CALTRANS



DATE: 1/22/2018

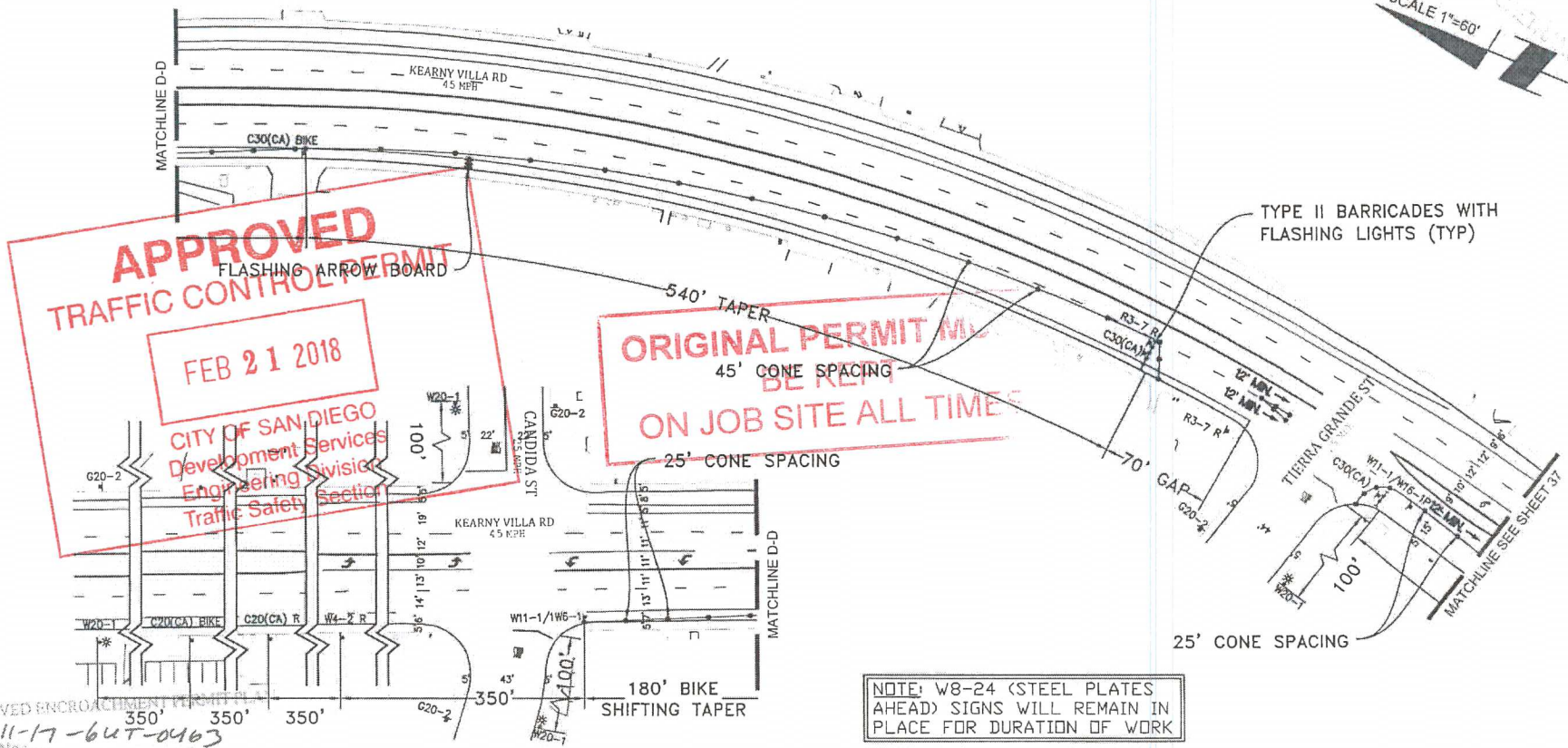
DESIGNED: Clint Jones

CHECKED BY: Mark Webb

SHEET 39 OF 48

SCALE 1"=60'

JAN 24 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 McMorran
President
1554 EAST EL MONTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2247
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



SHEET 40 OF 48

APPROVED
TRAFFIC CONTROL PERMIT

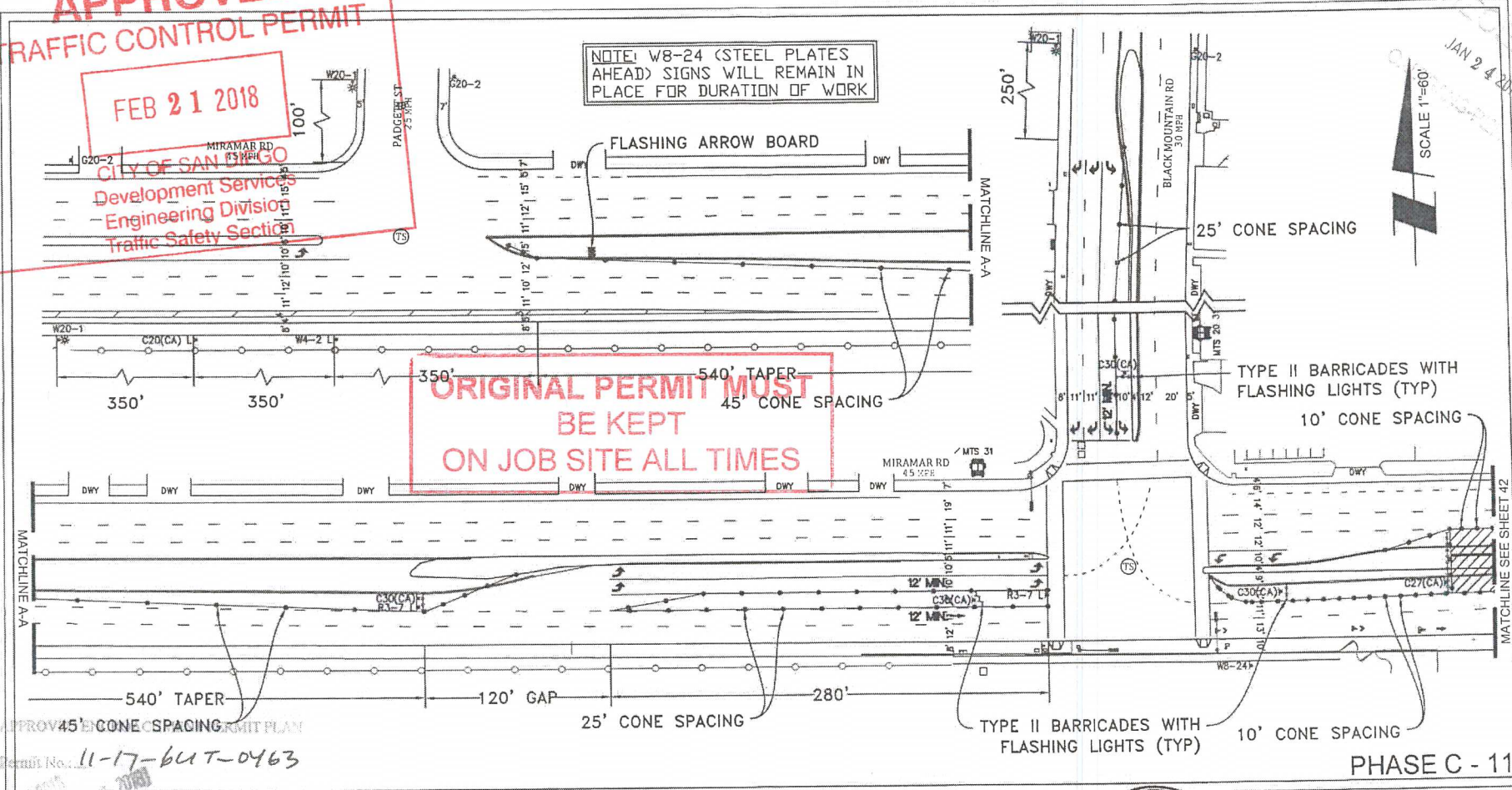
FEB 21 2018

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

JAN 24 2018

SCALE 1"=60'



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

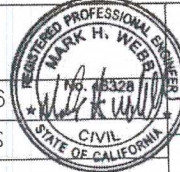
DATE: 1/22/2018
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX
SURVEYORS, INC.
Gail McMorran
President
234 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 410-3738

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

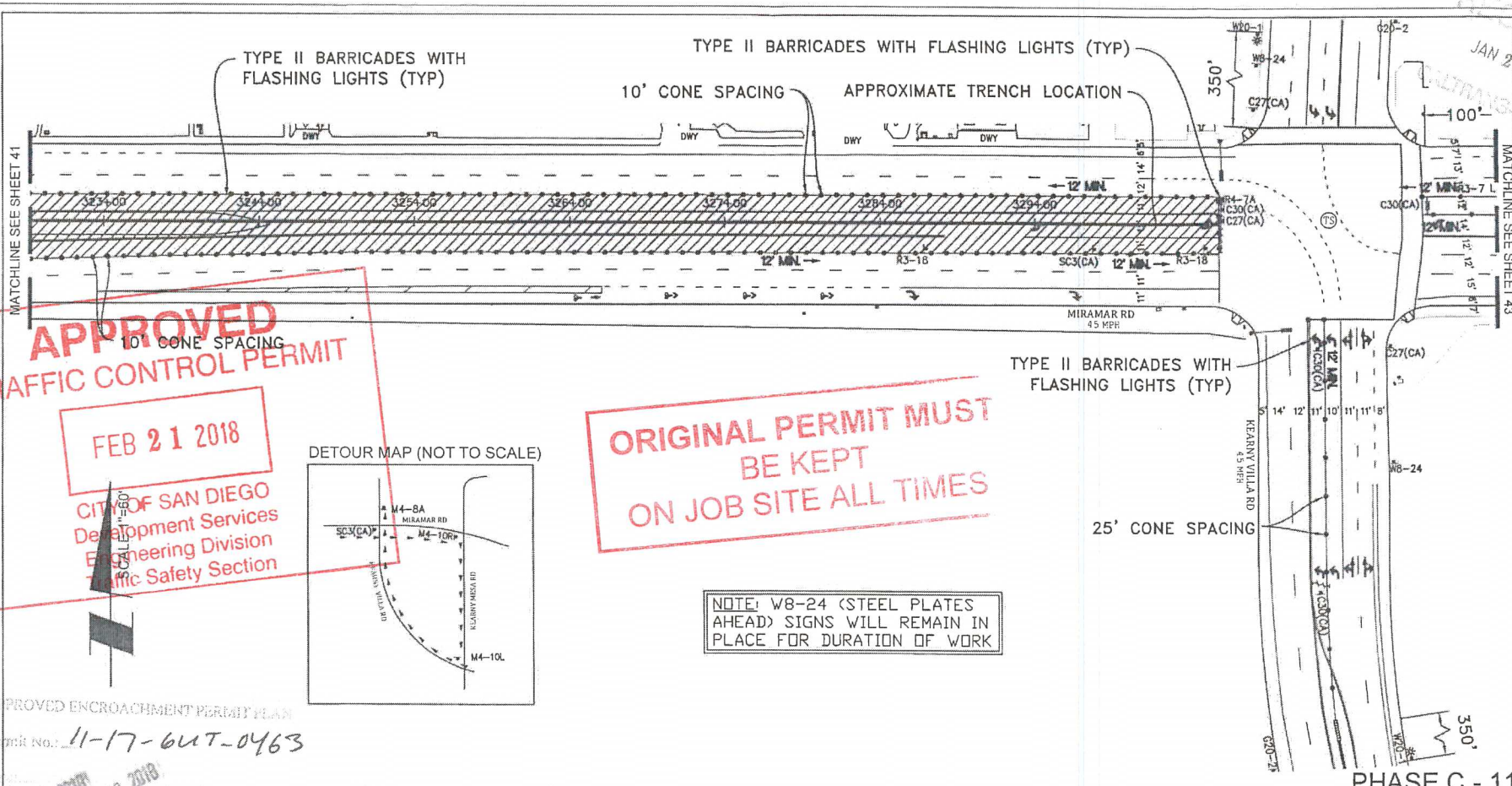
AIRX JOB#: X160218
MISC/POTHOLE#:
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



SHEET 41 OF 48

RECEIVED
JAN 24 2018
CALTRANS

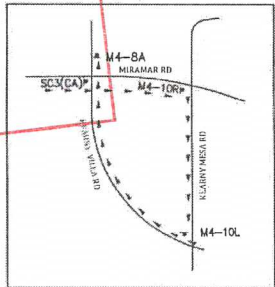


APPROVED
TRAFFIC CONTROL PERMIT

FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

DETOUR MAP (NOT TO SCALE)



**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 PLAN
Permit No. 11-17-647-0463

PHASE C - 11

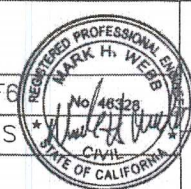
PROJECT NAME: TL23071 - Sycamore Canyon Substation To
Penasquitos Substation - 230 KV Underground

AIRX
Gail McMorran
President
15002 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
PHONE (619) 480-2347
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NV5
15002 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858 365 0500 WWW.NV5.COM

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

THOMAS GRID#: 1209-F6
DRAWN FOR: CALTRANS



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

SHEET 42 OF 48



ORIGINAL PERMIT MUST
BE KEPT
ON JOB SITE ALL TIMES

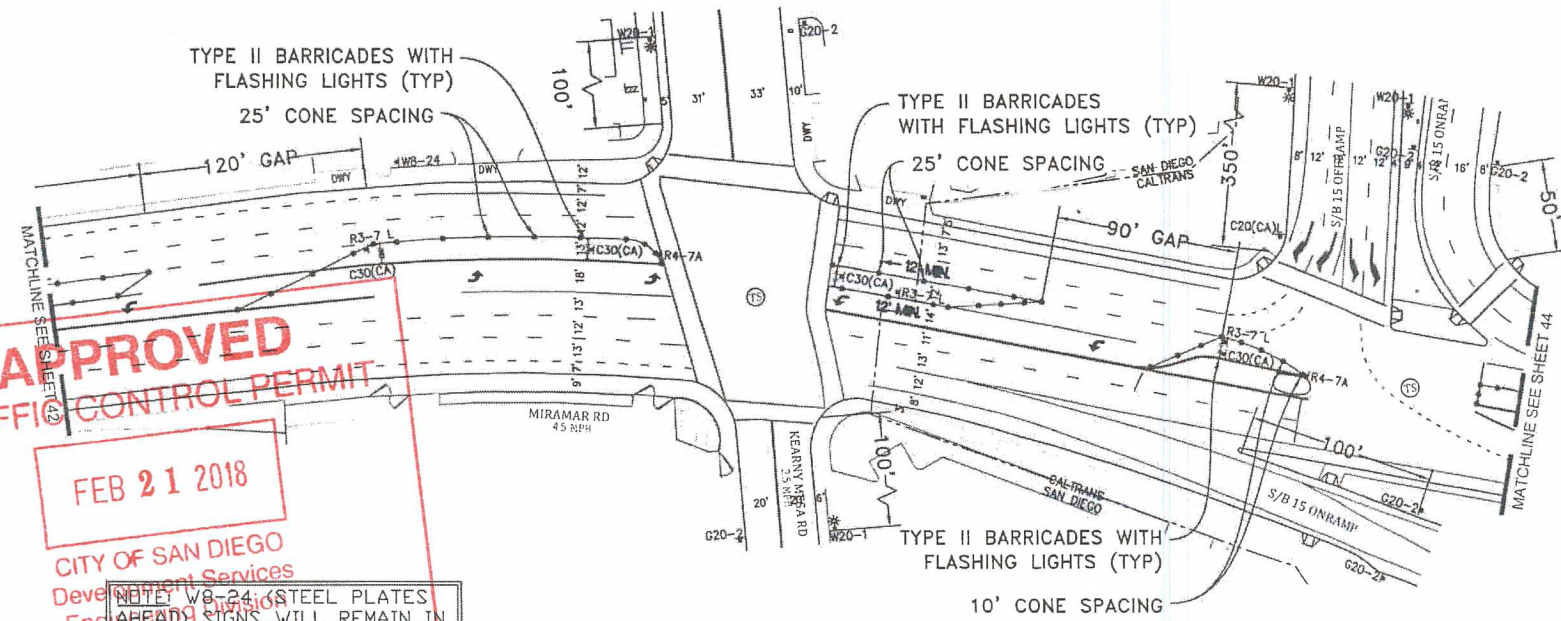
RECEIVED
JAN 24 2018
CALTRANS-PD

APPROVED
TRAFFIC CONTROL PERMIT

FEB 21 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Engineering

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



APPROVED ENCROACHMENT PERMIT
Permit No. 17-6417-0463

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 McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 430-2347
CELL: (760) 419-3726

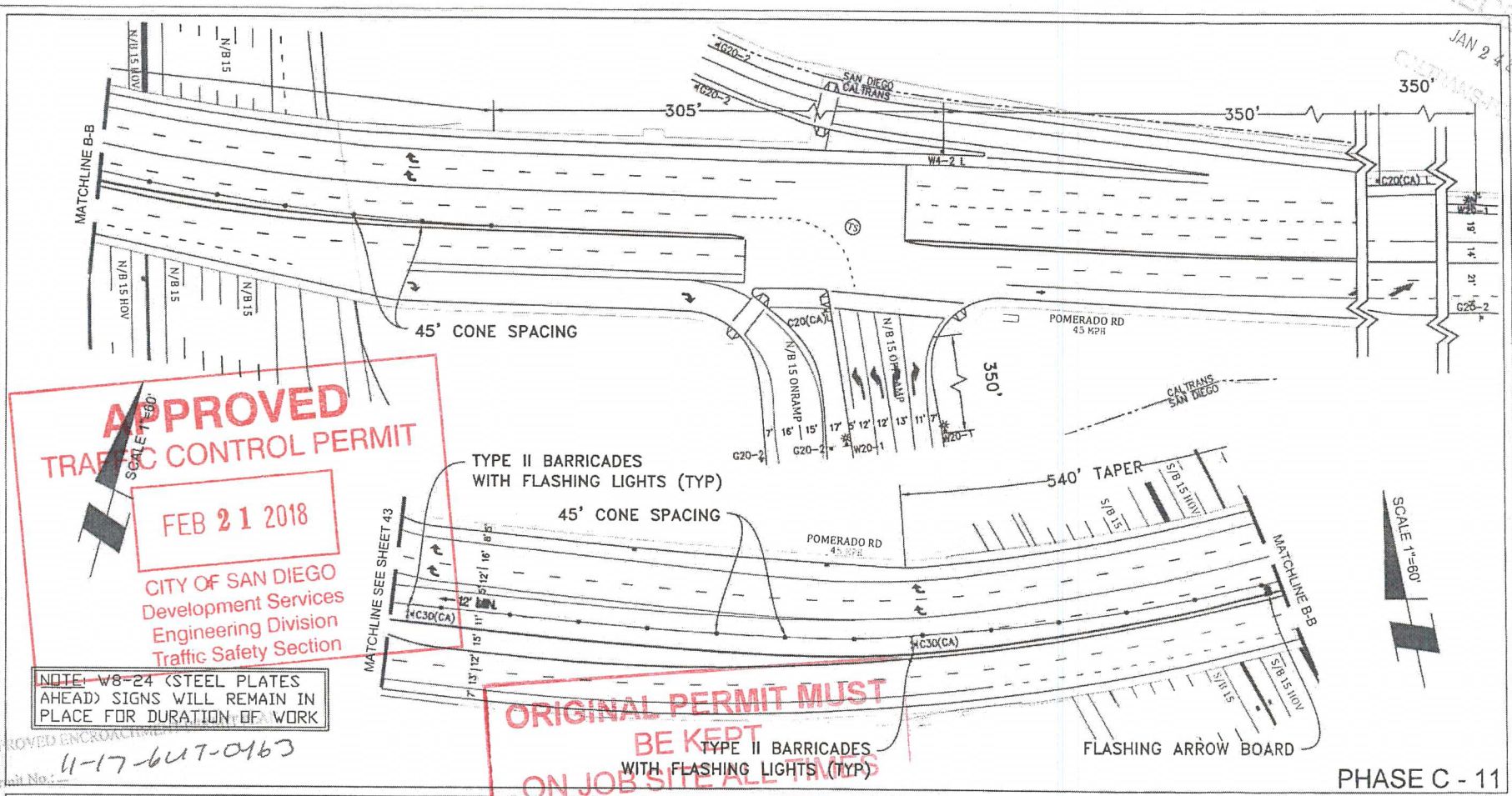
NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NV5.COM

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



SHEET 43 OF 48

RECEIVED
JAN 24 2018
CALTRANS



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 McMorran President 2534 EAST EL NORTE PARKWAY, SUITE C ESCOBEDO, CA 92027 PHONE: (760) 490-2347 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: CALTRANS

SHEET 44 OF 48