



THE CITY OF SAN DIEGO

Traffic Control Permit (TCP) Multiple Location List

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

City Use Only
 Authorized # _____
 By Felipe Avila
 Yes No _____
 Date Reviewed 8/24/17

To: City of San Diego, Traffic Permit Section Date: 8/22/2017
 From: (Company): SDG&E Phone No.: 619-778-2405
 Contact Person: Rod Nelson Fax.: _____
 W/O or Account #: Permit # _____ TCP No. _____

- 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
 AUG 24 2017
 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
Carroll Canyon Road	Scranton Street	Youngstown Way	8/27/17	9/15/17	9:00PM - 5:00AM	1208-D7, E7, F7	1,5,7,8
Scranton Road	Carroll Canyon Road	Mira Mesa Blvd	8/27/17	9/15/17	9:00PM - 5:00AM	1208-E7	8
Younstown Way	Carroll Canyon Road	Oberlin Drive	8/27/17	9/15/17	9:00PM - 5:00AM	1208-F7	8
<p style="color: red; font-weight: bold; font-size: 1.2em; transform: rotate(-15deg); margin: 0;"> ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES </p> <p style="margin: 0;">ATTENTION UTILITY COMPANY</p> <p style="margin: 0;">Special Inspection Fees May Be Applied By City of San Diego For Any Night or Weekend Work.</p>							

Comments: Trenching crew - Phases 1 and Caltrans Phases C-1 through C-4 - Sunday through Thursday night work, 9pm - 5am - (NO WORK ON 9/4/2017)

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

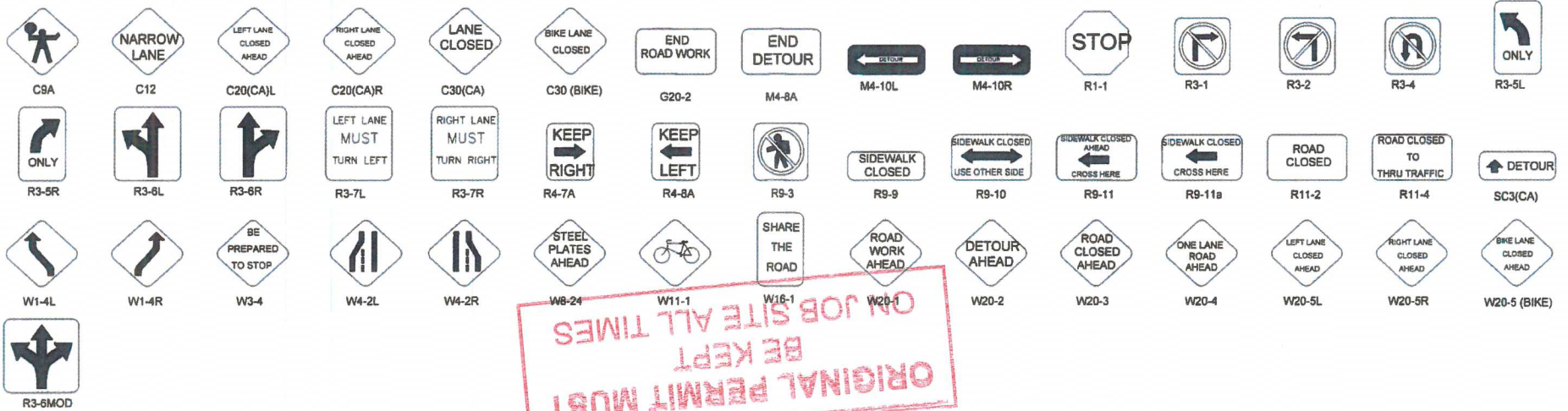
Fax or mail to: City of San Diego • Traffic Control Permit Section • 1222 First Avenue, MS 501 • San Diego, CA 92101. Fax (619) 446-5489 Office (619) 446-5150

* 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@saniego.gov

SIGN LEGEND



ORIGINAL PERMIT MUST
 BE KEPT
 ON JOB SITE ALL TIMES

APPROACH SPEED (MPH)	MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	MINIMUM TAPER LENGTHS (L) (FEET) FOR 12-FOOT LANE			BUFFER LENGTH (FEET)	MAX CONE SPACING		
		L	1/2L	1/3L		TAPER	TANGENT	CONFLICT
25	100	125	65	45	155	25	50	12
30	250	180	90	60	200	30	60	15
35	250	245	125	85	250	35	70	17
40	250	320	160	110	305	40	80	20
45	350	540	270	180	360	45	90	22
50	350	600	300	200	425	50	100	25
55+	350	660	330	220	495	55	110	27

LEGEND

- APPROXIMATE POTHOLE LOCATION
- SIGN
- TRAFFIC CONES / DELINEATOR
- BARRICADE
- FLAGGER
- FLASHING ARROW SIGN
- WORK ZONE
- CONSTRUCTION VEHICLE
- BUS STOP

APPROVED
 TRAFFIC CONTROL PERMIT

AUG 24 2017

CITY OF SAN DIEGO

UTILITY SURVEYORS, INC.
AIRX
 Development Services
 Engineering Division
 Traffic Safety Group
Gail McMoran
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3738

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

AIRX JOB#: X160218

THOMAS GRID#: –

TYPE OF WORK: TRENCHING / CONDUIT

DRAWN FOR: SAN DIEGO COUNTY

MISC/POTHOLE#:

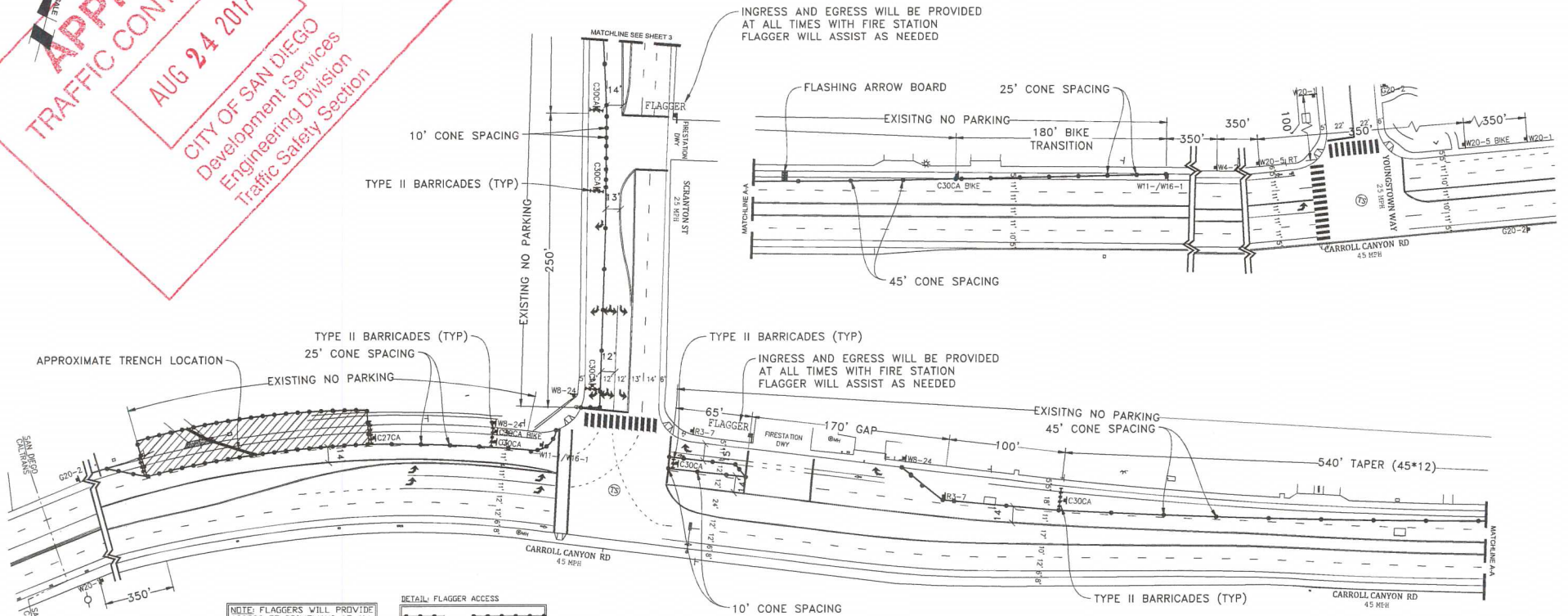
DATE: Mar 2, 2017

DESIGNED BY:
 Clint Jones

SHEET 1 OF 4

APPROVED
TRAFFIC CONTROL PERMIT
AUG 24 2017

CITY OF SAN DIEGO
 Engineering Services
 Traffic Safety Section

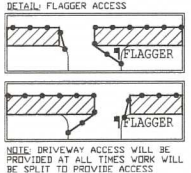


NOTE: FLAGGERS WILL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES

NOTE: FLAGGERS WILL SAFELY GUIDE PEDESTRIANS THROUGH WORK AREA

NOTE: CONTRACTOR WILL ALLOW FIRE STATION INGRESS AND EGRESS AT ALL TIMES

NOTE: W8-W24 STEEL PLATES AHEAD SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK



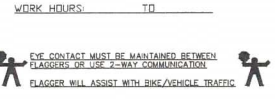
NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH FIRE STATION PRIOR TO START OF WORK

NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH TRANSIT DEPARTMENT 5 DAYS PRIOR TO START OF WORK

NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH EXISTING PROJECTS AND NOT CONFLICT WITH EXISTING TRAFFIC CONTROL

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

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



- LEGEND**
- SIGN
 - SIGNAL
 - TRAFFIC CONES / DELINEATOR
 - BARRICADE
 - FLAGGER
 - FLASHING ARROW SIGN
 - WORK ZONE
 - BUS STOP

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

UTILITY SURVEYORS, INC.
AIRX
 Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 450-2247
 CELL: (760) 419-3738

PROJECT NAME: TL23071 - SYCAMORE CANYON SUBSTATION TO PENASQUITOS - 230 KV UNDERGROUND	
AIRX JOB#: X160218	THOMAS GRID#: -
TYPE OF WORK: TRENCHING / CONDUIT	DRAWN FOR: CITY OF SAN DIEGO
MISC/POTHOLE#:	

PHASE 1

DATE: Mar. 6, 2017
 DESIGNED BY: Clint Jones
SHEET 002 OF 148

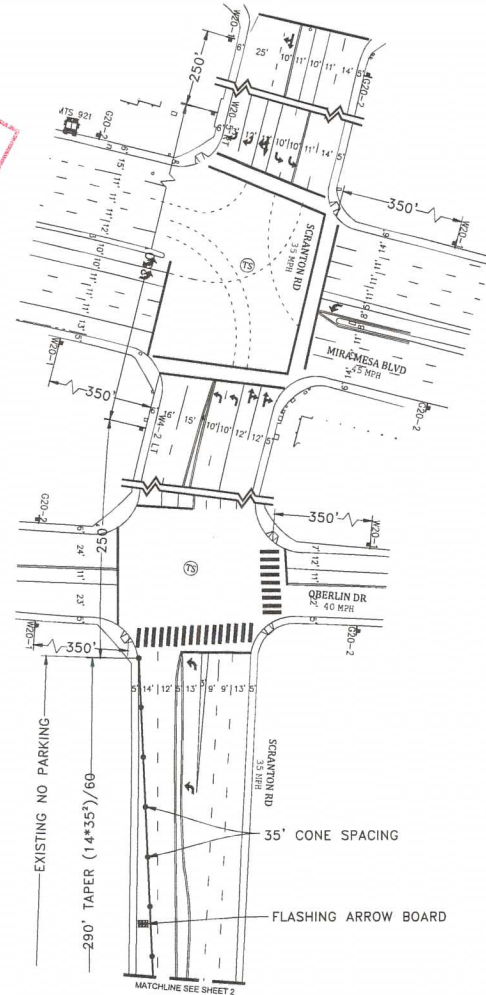


APPROVED
TRAFFIC CONTROL PERMIT

AUG 24 2017

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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



WORK HOURS: _____ TO _____

PHASE 1 (CONT)

LEGEND

- SIGN
- SIGNAL
- TRAFFIC CONES / DELINEATOR
- BARRICADE
- FLAGGER
- FLASHING ARROW SIGN
- WORK ZONE
- BUS STOP

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

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

NOTE: FLAGGERS WILL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES

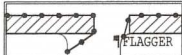
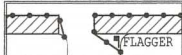
NOTE: FLAGGERS WILL SAFELY GUIDE PEDESTRIANS THROUGH WORK AREA

NOTE: CONTRACTOR WILL ALLOW FIRE STATION INGRESS AND EGRESS AT ALL TIMES

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

EYE CONTACT MUST BE MAINTAINED BETWEEN FLAGGERS OR USE 2-WAY COMMUNICATION
FLAGGER WILL ASSIST WITH RISK/VEHICLE TRAFFIC

DETAIL FLAGGER ACCESS



NOTE: DRIVEWAY ACCESS WILL BE PROVIDED AT ALL TIMES WORK WILL BE SPLIT TO PROVIDE ACCESS

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

NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH TRANSIT DEPARTMENT 5 DAYS PRIOR TO START OF WORK

NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH EXISTING PROJECTS AND NOT CONFLICT WITH EXISTING TRAFFIC CONTROL

UTILITY SURVEYORS, INC.
AIRX
2934 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 460-2547
CELL: (760) 419-3738

Gail McMorran
President

PROJECT NAME: TL23071 - SYCAMORE CANYON SUBSTATION TO PENASQUITOS - 230 KV UNDERGROUND	
AIRX JOB#: X160218	THOMAS GRID#: -
TYPE OF WORK: TRENCHING / CONDUIT	DRAWN FOR: CITY OF SAN DIEGO
MISC/POTHOLE#:	

DATE: Mar. 6, 2017
DESIGNED BY:
Clint Jones

SHEET 003 OF 148

APPROVED TRAFFIC CONTROL PERMIT

AUG 24 2017

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

SIGN LEGEND

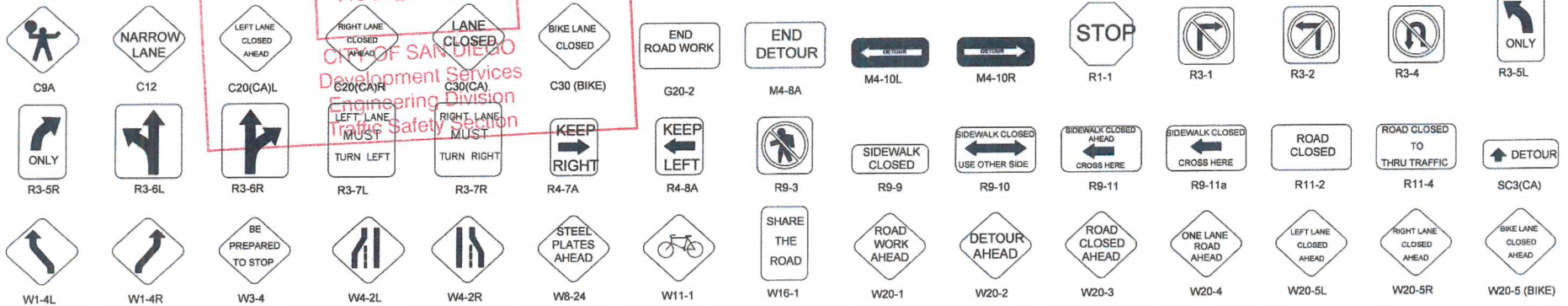


TABLE 1

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		CONFLICT
						X	Y	
mph	ft	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10	10
25	250	125	63	42	25	50	12	12
30	360	180	90	60	30	60	15	15
35	490	245	123	82	35	70	17	17
40	640	320	160	107	40	80	20	20
45	1080	540	270	180	45	90	22	22
50	1200	600	300	200	50	100	25	25
55	1320	660	330	220	50	100	25	25
60	1440	720	360	240	50	100	25	25
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

* - 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 longest sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
20	115	116	120	126
25	155	156	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	560	593
60	570	598	638	686
65	645	682	728	785
70	730	771	824	891
75	820	866	927	1003

* - 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 steepness of -3 percent and longer than 1 mile.

TABLE 3

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance 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

111767K 0459
8/16/17

RECEIVED
AUG 16 2017
CALTRANS-PERMIT

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

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

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMoran
President
2534 EAST EL MORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2247
CELL: (760) 418-3738

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

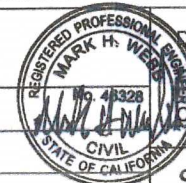
AIRX JOB#: X160218

MISC/POTHOLE#: _____

TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1208-E7

DRAWN FOR: CALTRANS

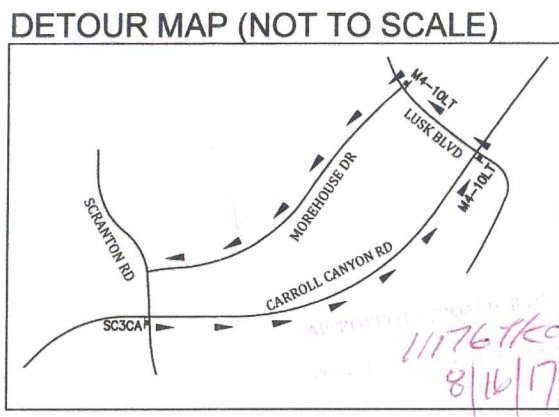


SHEET 1 OF 16

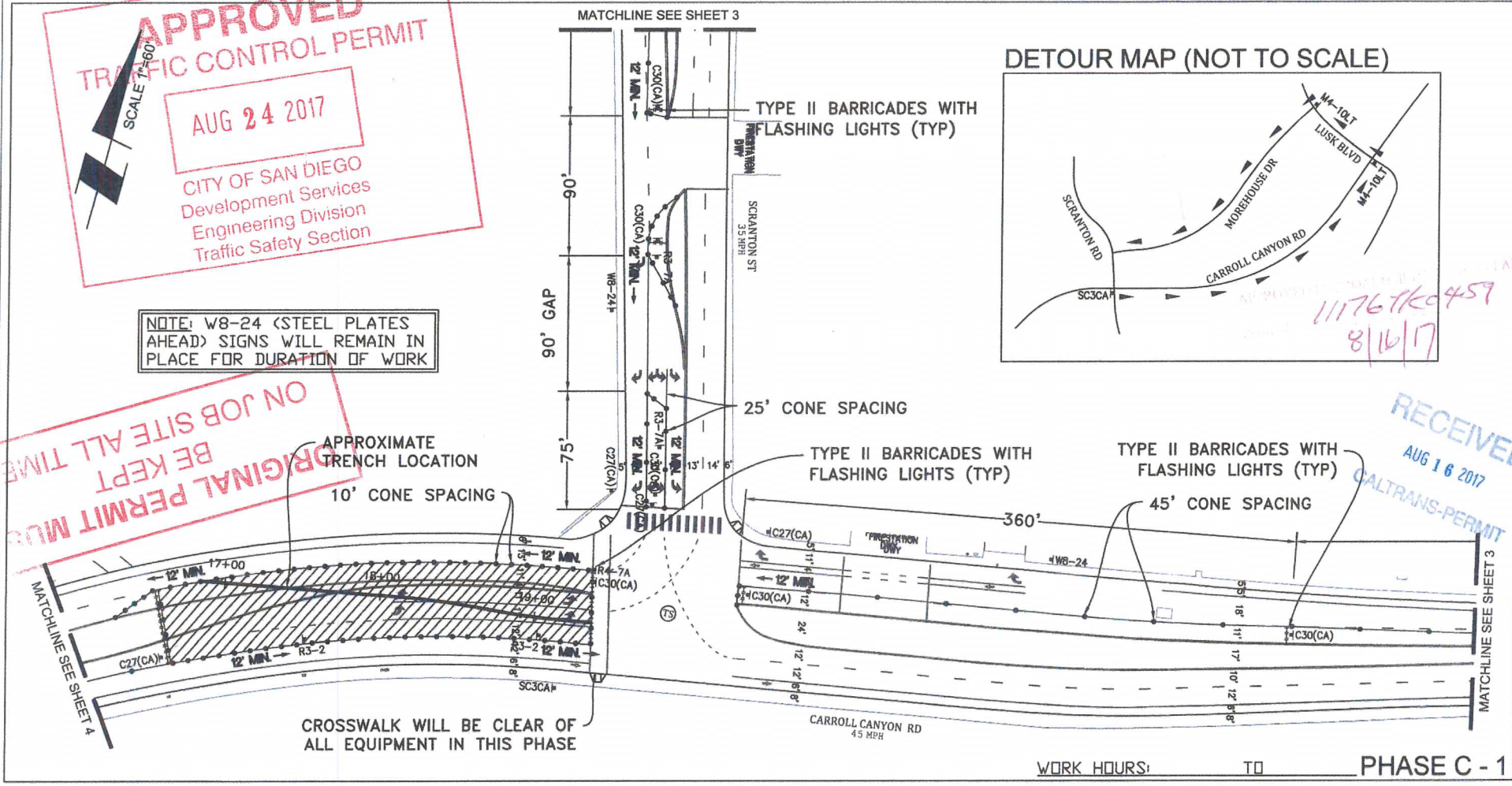
APPROVED
TRAFFIC CONTROL PERMIT
AUG 24 2017
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

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

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES



RECEIVED
 AUG 16 2017
 CALTRANS-PERMIT



WORK HOURS: _____ TO _____ **PHASE C - 1**

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

AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2534 EAST EL MONTE PARKWAY, SUITE C
 ESCONDIHO, CA 92027
 PHONE: (760) 490-2547
 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#: 1208-E7
 DRAWN FOR: CALTRANS

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

DATE: 7/12/2017
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb
SHEET 2 OF 16

APPROVED
TRAFFIC CONTROL PERMIT

AUG 24 2017

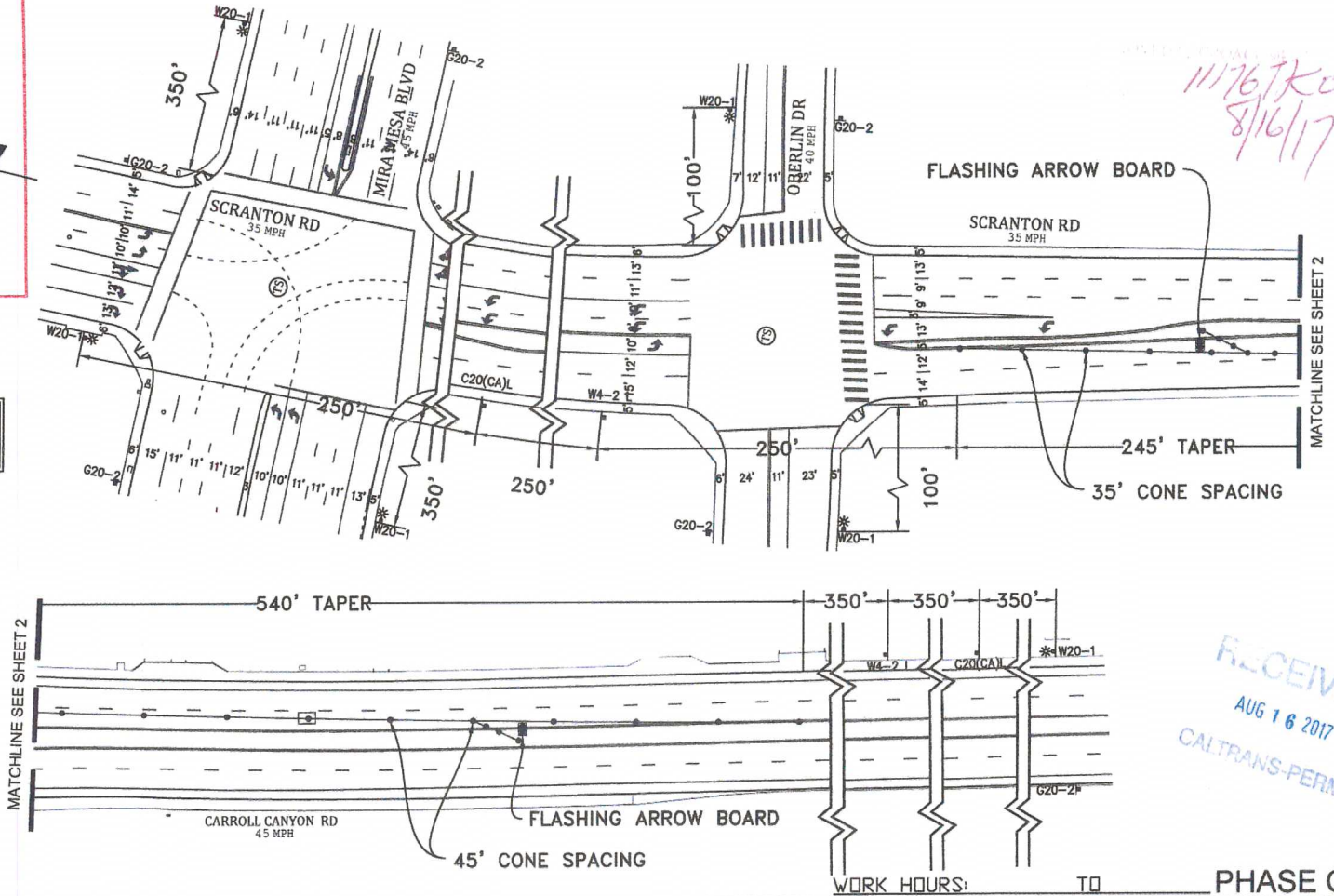
SCALE 1"=60'

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

ORIGINAL PERMIT MUST
BE KEPT ON JOB SITE AT ALL TIMES

SCALE 1"=60'



11767K0459
8/16/17

RECEIVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: TO PHASE C - 1

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

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorran
President
2524 EAST EL MONTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE (760) 483-0347
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/POTHOLES#: _____
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1208-E
DRAWN FOR: CALTRANS



SHEET 3 OF 16

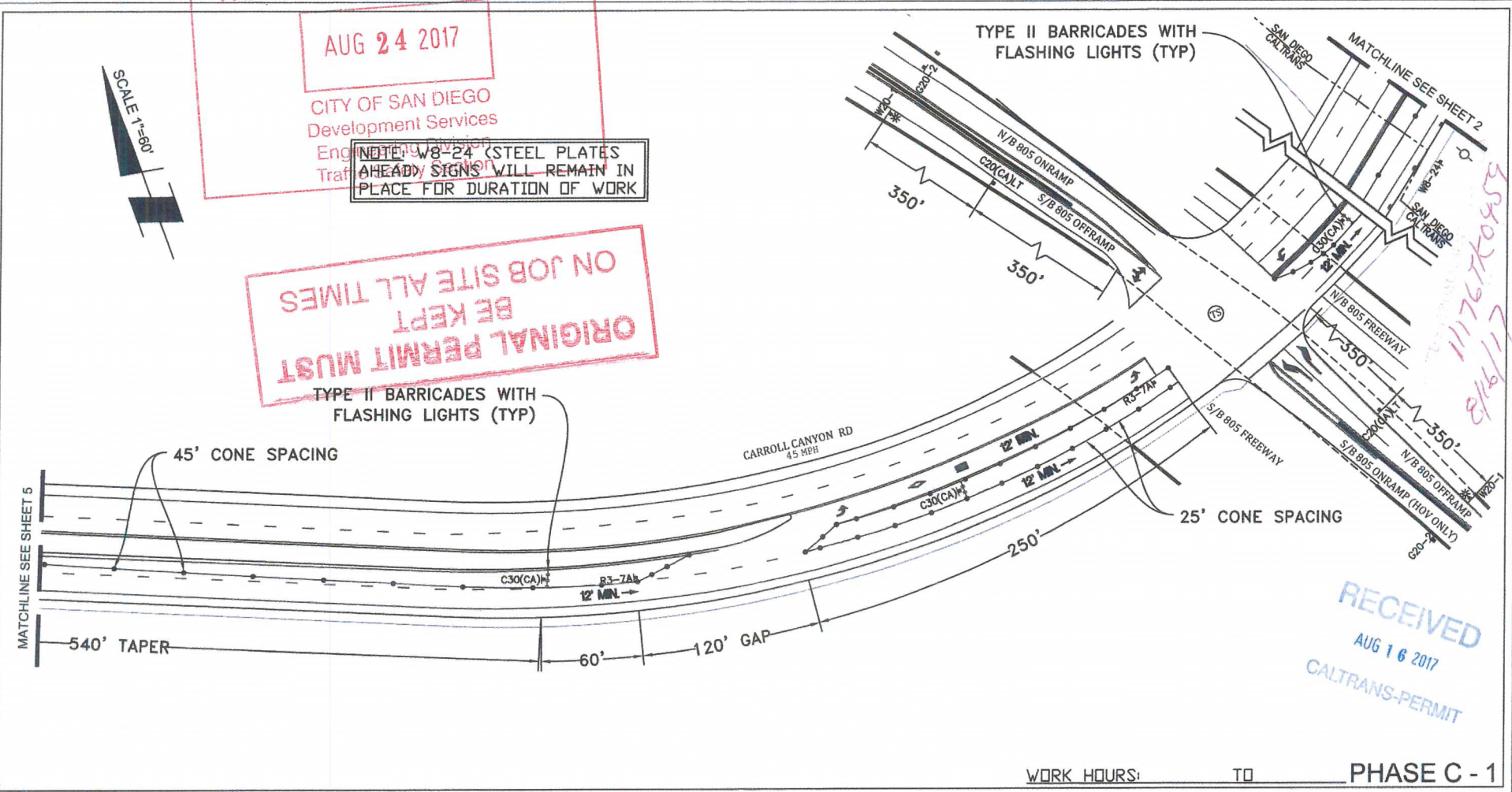
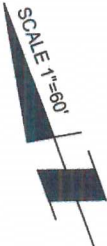
APPROVED
TRAFFIC CONTROL PERMIT

AUG 24 2017

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Section

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**



RECEIVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 1

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) 430-2347
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/POTHoles#: _____
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS

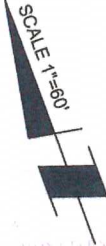


DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 4 OF 16

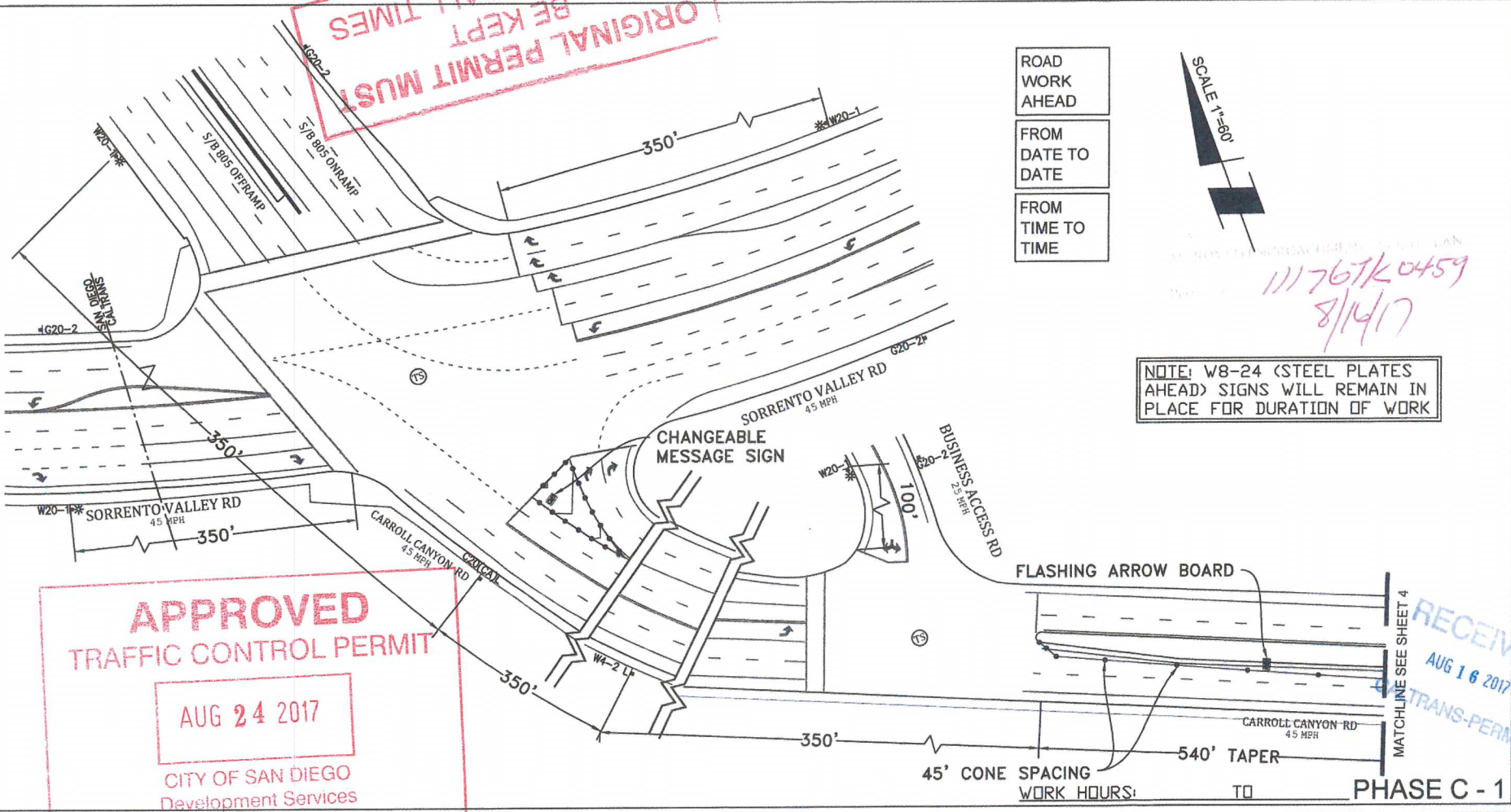
ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

ROAD WORK AHEAD
 FROM DATE TO DATE
 FROM TIME TO TIME



111767K0459
 8/14/17

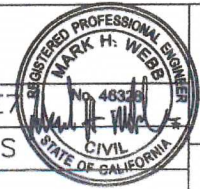
NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK



APPROVED TRAFFIC CONTROL PERMIT
AUG 24 2017
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

RECEIVED
 AUG 16 2017
 TRANS-PERMIT

PROJECT NAME: T 23071 - Sycamore Canyon Substation To Pecosquitos Substation - 230 KV Underground



DATE: 7/12/2017
 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) 480-2047
 CELL: (760) 419-2738

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#: 1208-E7
 MISC/POTHOLE#: _____
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT

SHEET 5 OF 16

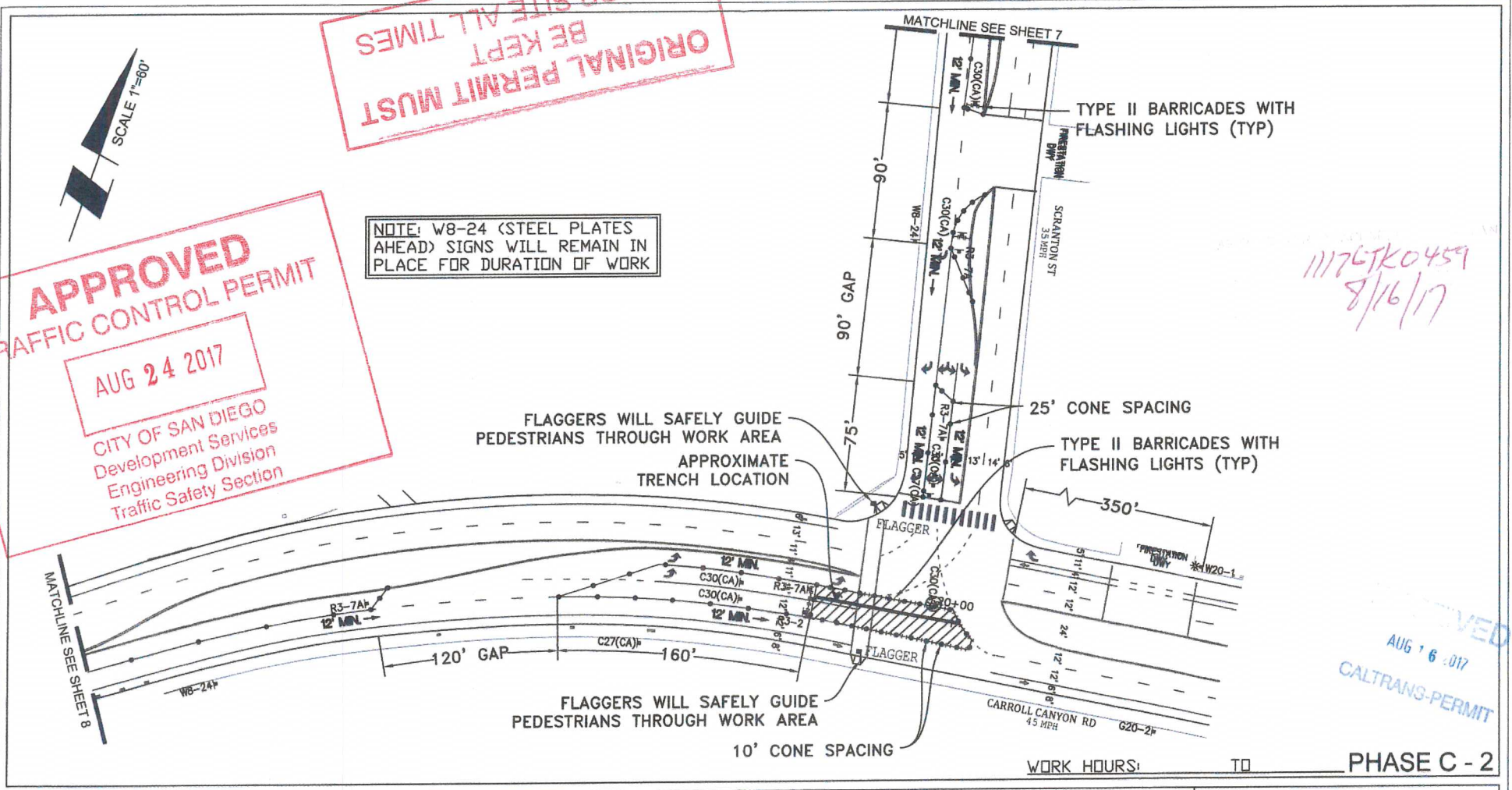
ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED TRAFFIC CONTROL PERMIT

AUG 24 2017

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



1176TK0459
8/16/17

APPROVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 2

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

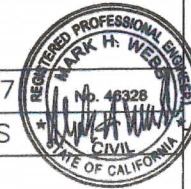
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 400-2347
CELL: (760) 419-3738

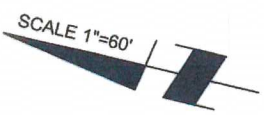
NV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NV5.COM

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

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS

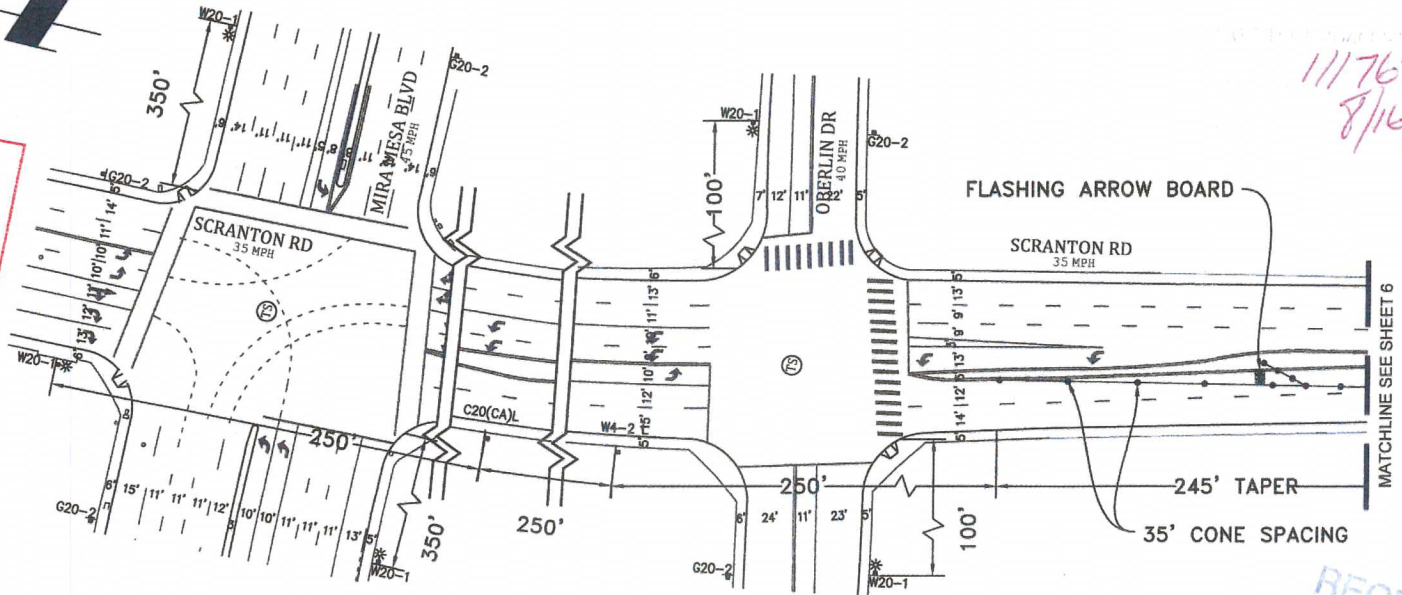


SHEET 6 OF 16



111767K459
8/16/17

APPROVED
TRAFFIC CONTROL PERMIT
AUG 24 2017
CITY OF SAN DIEGO
Engineering Services
Traffic Safety Section



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

RECEIVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 2

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

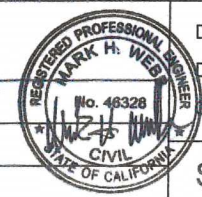
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrان
President
2334 EAST EL NORTE PARKWAY SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 489-2347
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#: 1208-E7
DRAWN FOR: CALTRANS



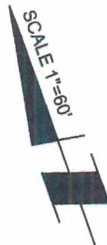
SHEET 7 OF 16

**APPROVED
TRAFFIC CONTROL PERMIT**

AUG 24 2017

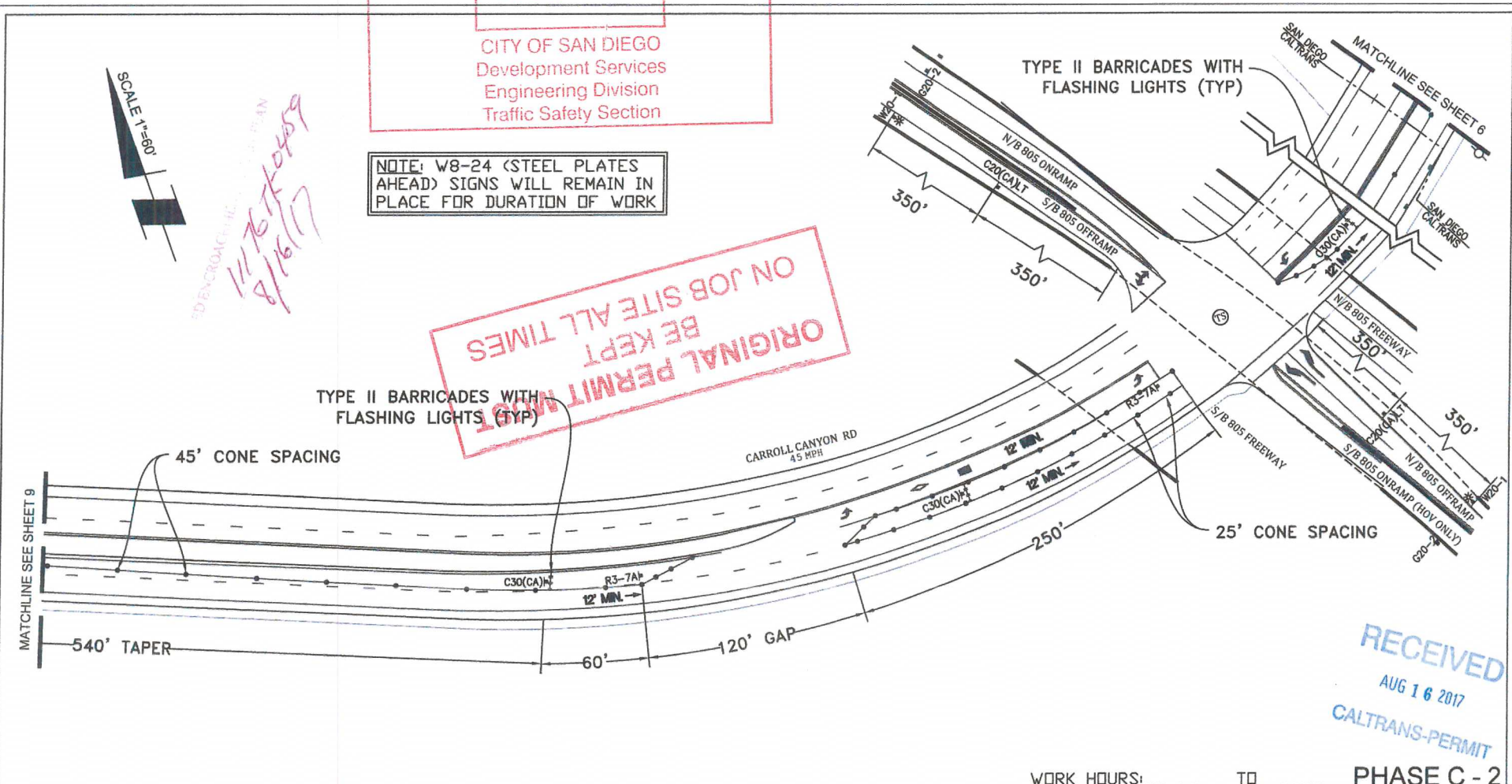
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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



SD BY CROUCH INC. 11/16/17 8/16/17

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



RECEIVED
AUG 16 2017
CALTRANS-PERMIT
PHASE C - 2

WORK HOURS: _____ TO _____

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

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrان
President
2524 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 890-2547
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/POTHOLES#: _____
TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



SHEET 8 OF 16

APPROVED
TRAFFIC CONTROL PERMIT

AUG 24 2017

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

ROAD
WORK
AHEAD

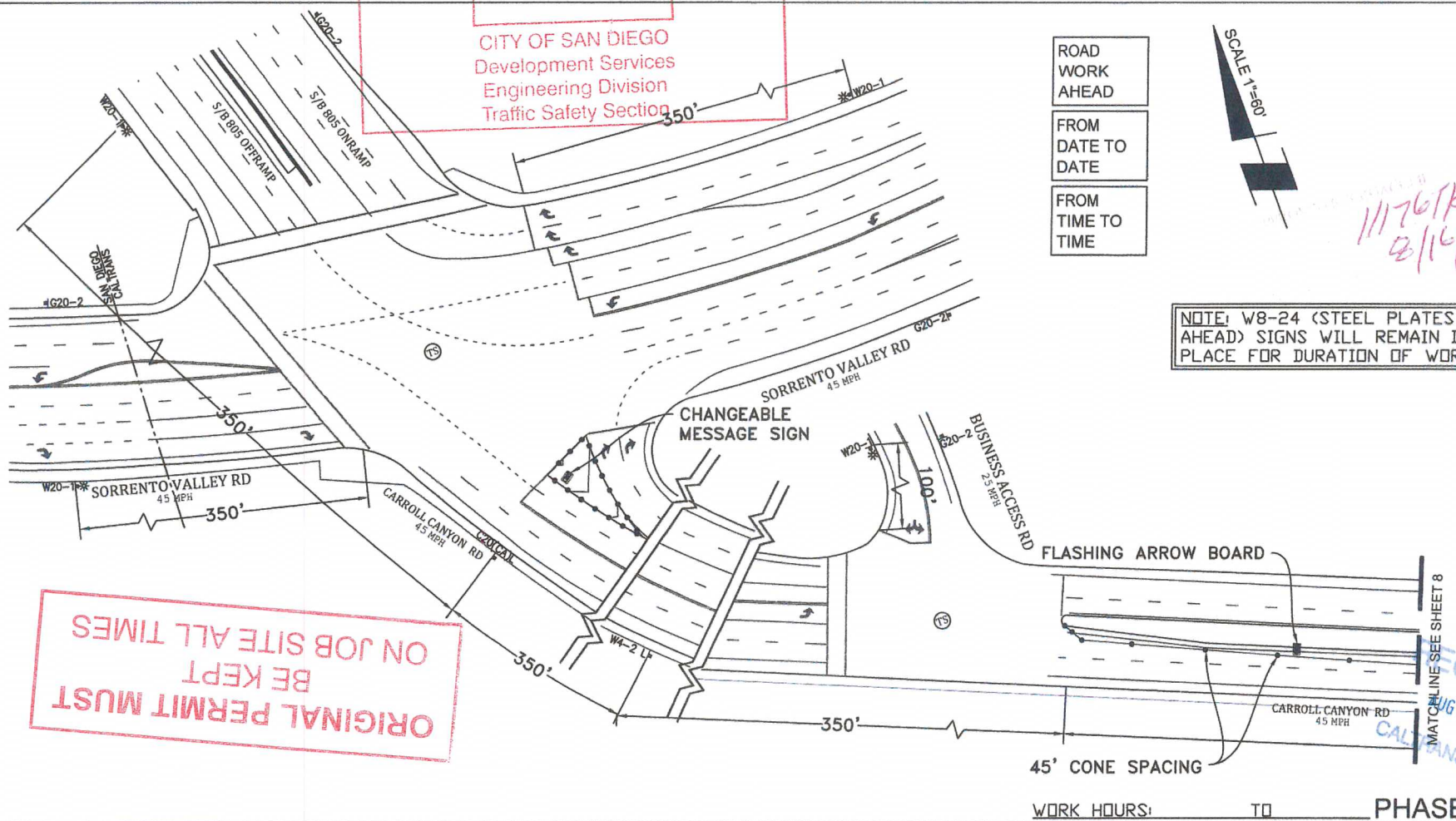
FROM
DATE TO
DATE

FROM
TIME TO
TIME



111761K0459
8/16/17

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

WORK HOURS: _____ TO _____ PHASE C - 2

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

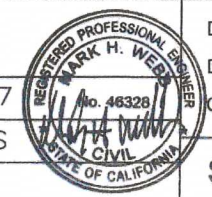
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

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

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

AIRX JOB#: X160218
MISC/POTHOLES#:

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



TYPE OF WORK: TRENCHING / CONDUIT

SHEET 9 OF 16

RECEIVED
AUG 16 2017
CALTRANS-PERMIT



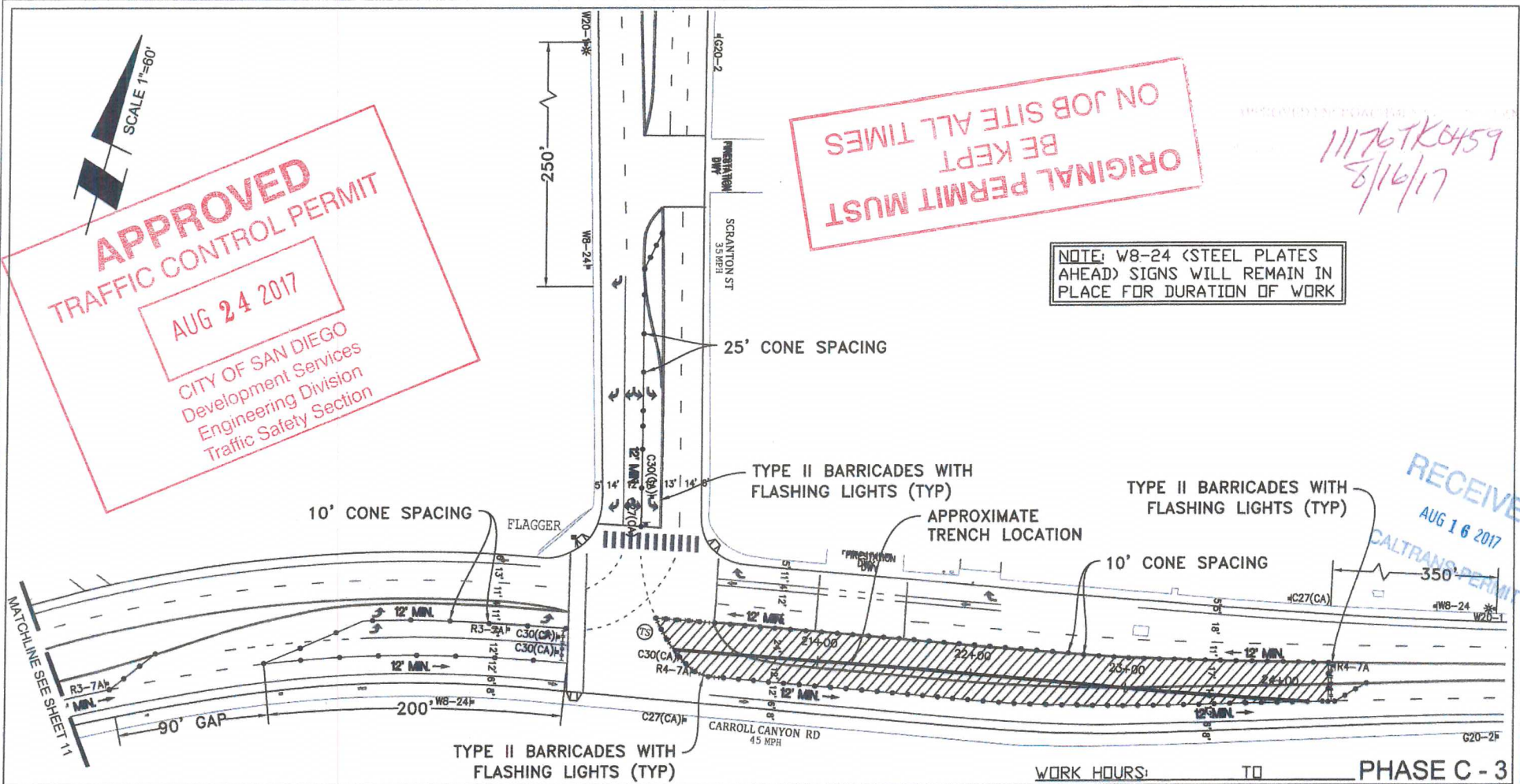
APPROVED
TRAFFIC CONTROL PERMIT
AUG 24 2017

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

ORIGINAL PERMIT MUST
BE KEPT
ON JOB SITE ALL TIMES

11176TK0459
8/16/17

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



RECEIVED
AUG 16 2017
CALTRANS PERMIT

WORK HOURS: _____ TO _____ PHASE C - 3

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

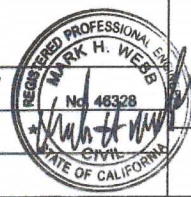
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrin
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 450-2347
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
MISC/POTHoles#: _____

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



TYPE OF WORK: TRENCHING / CONDUIT

SHEET 10 OF 16

APPROVED
TRAFFIC CONTROL PERMIT

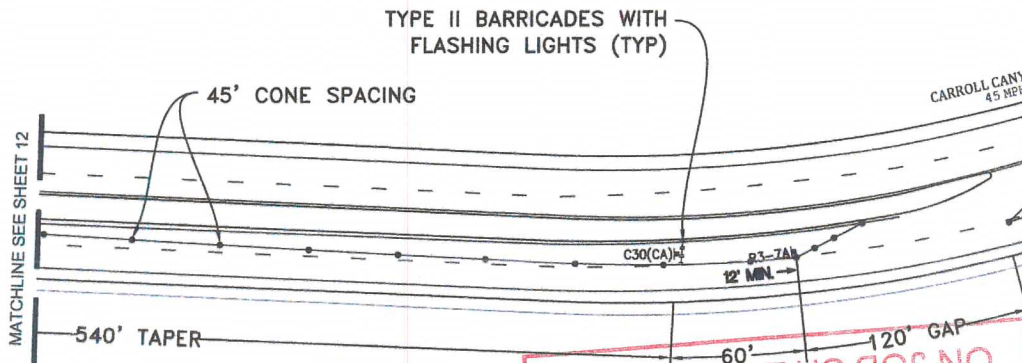
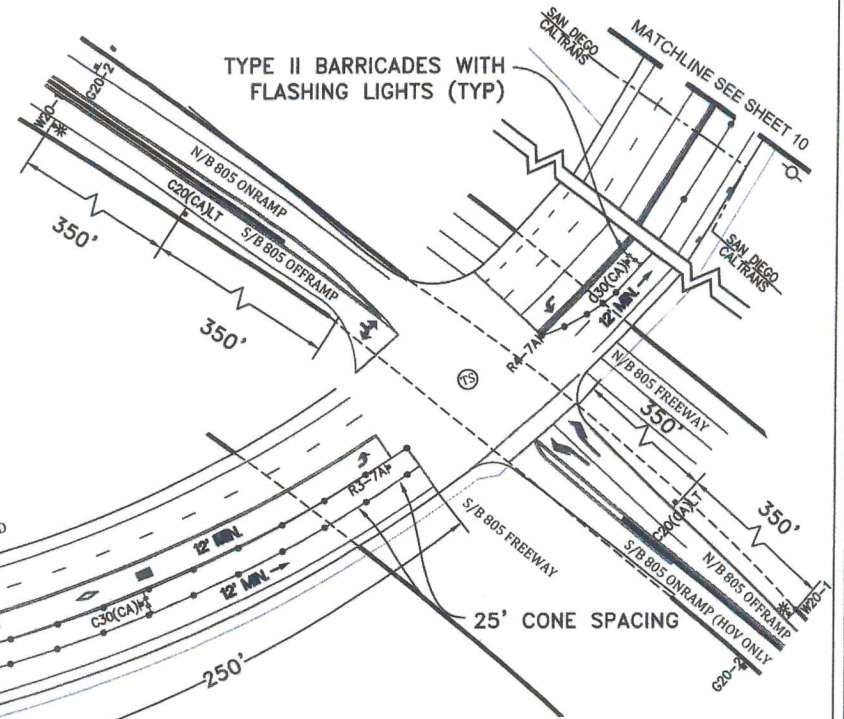
AUG 24 2017

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

SCALE 1"=60'

111767K059
8/16/17



ORIGINAL PERMIT MUST
BE KEPT
ON JOB SITE ALL TIMES

RECEIVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 3

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

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrin
President
2554 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2347
CELL: (760) 418-3728

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

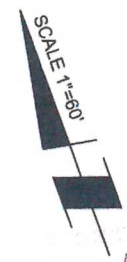
AIRX JOB#: X160218
MISC/POTHLES#: _____
THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT



SHEET 11 OF 16

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

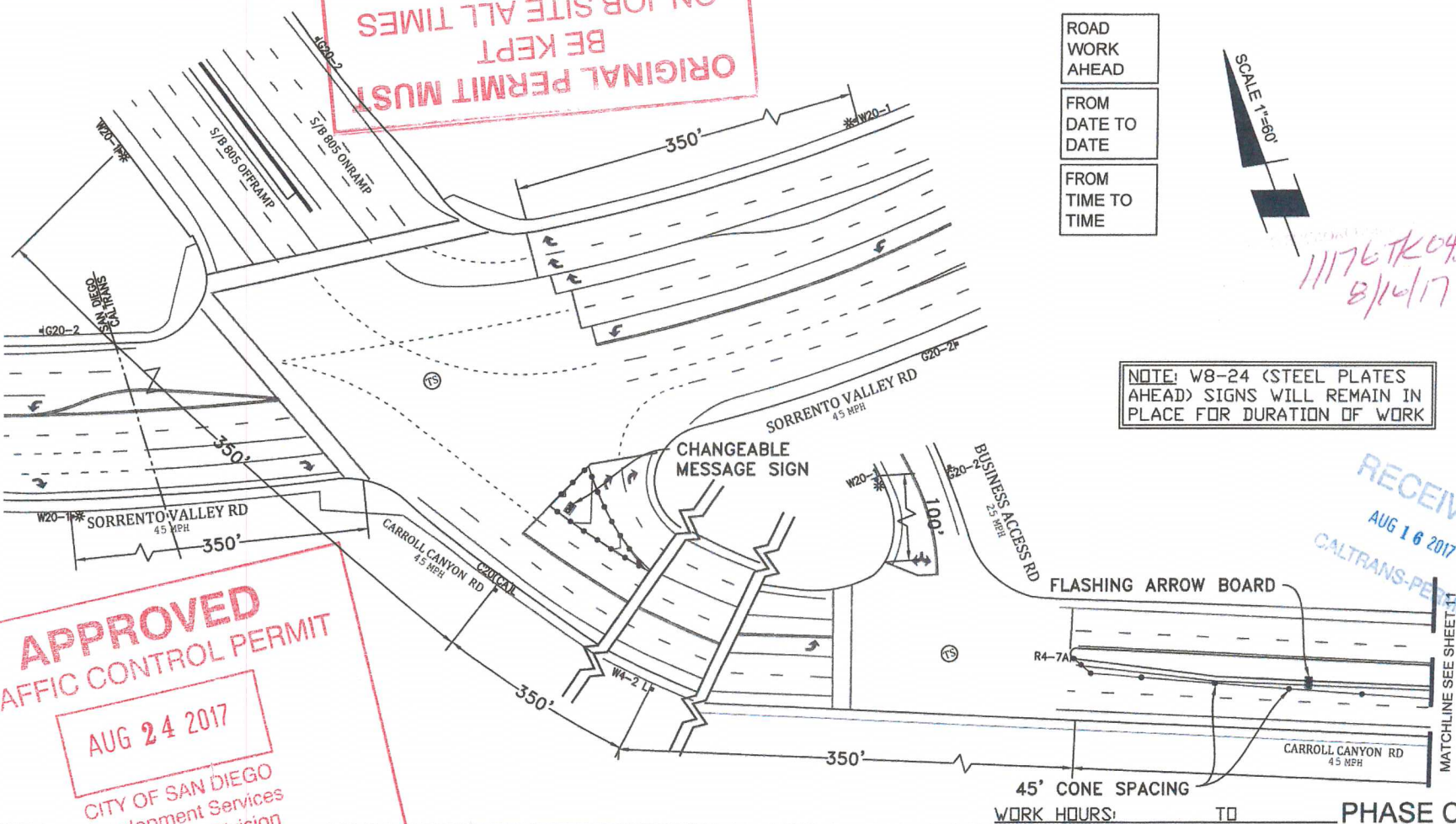
ROAD WORK AHEAD
 FROM DATE TO DATE
 FROM TIME TO TIME



11176TK0459
 8/16/17

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

RECEIVED
 AUG 16 2017
 CALTRANS-PERMIT



APPROVED TRAFFIC CONTROL PERMIT
AUG 24 2017
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

PROJECT NAME: 11-23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground

WORK HOURS: TO PHASE C - 3

AIRX SURVEYORS, INC.
 Gail McMorran
 President
 2504 EAST EL NORTE 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
 MISC/POTHOLE#:
 TYPE OF WORK: TRENCHING / CONDUIT

THOMAS GRID#: 1208-E7
 DRAWN FOR: CALTRANS

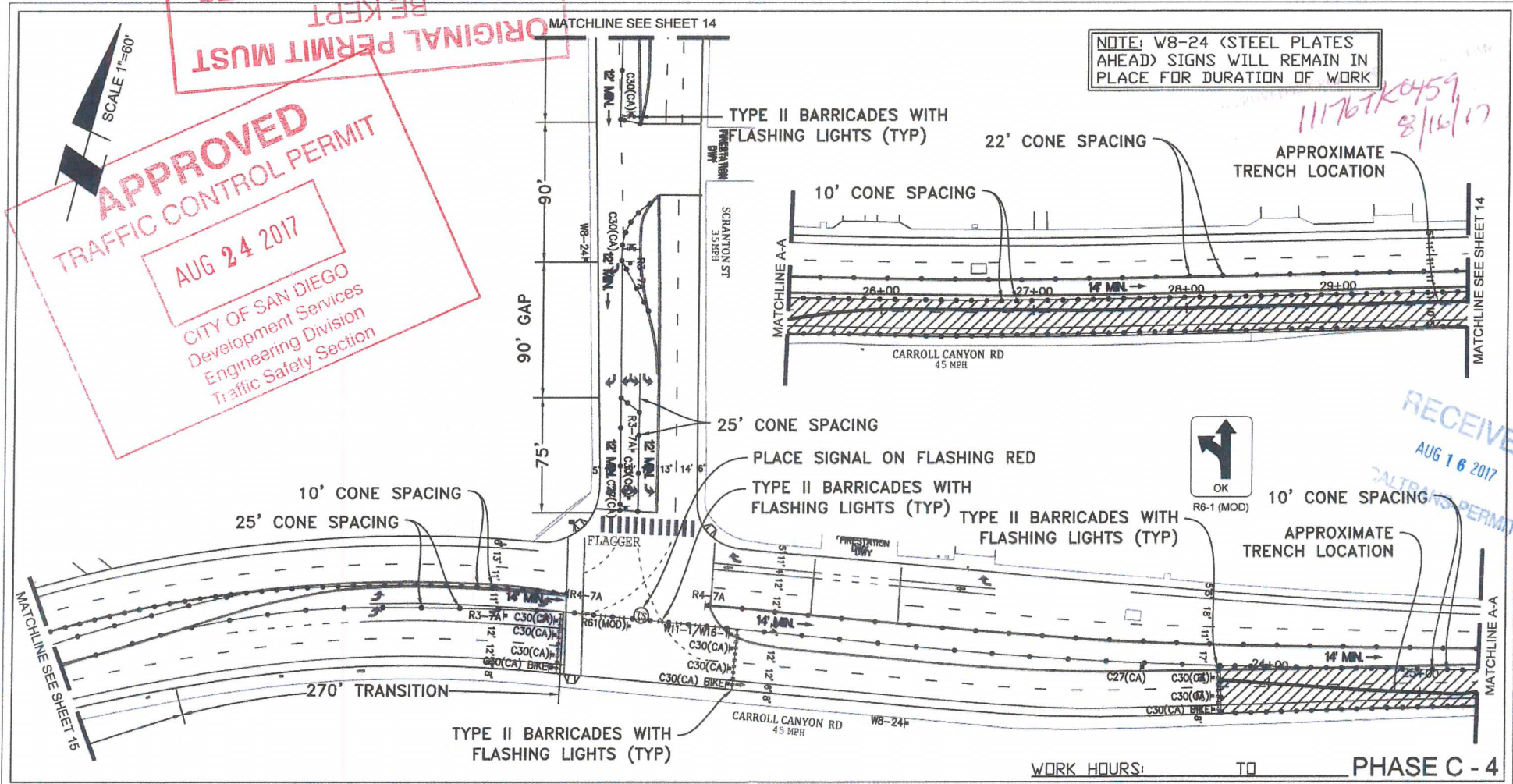


DATE: 7/12/2017
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

SHEET 12 OF 16

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED
 TRAFFIC CONTROL PERMIT
 AUG 24 2017
 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

1176TK0459
 8/16/17

RECEIVED
 AUG 16 2017
 CALTRANS PERMIT

WORK HOURS: TO PHASE C - 4

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

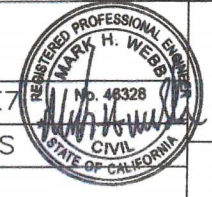
DATE: 7/12/2017
 DESIGNED: Clint Jones
 CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
 Gail McMorrin
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 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#: 1208-E7
 DRAWN FOR: CALTRANS



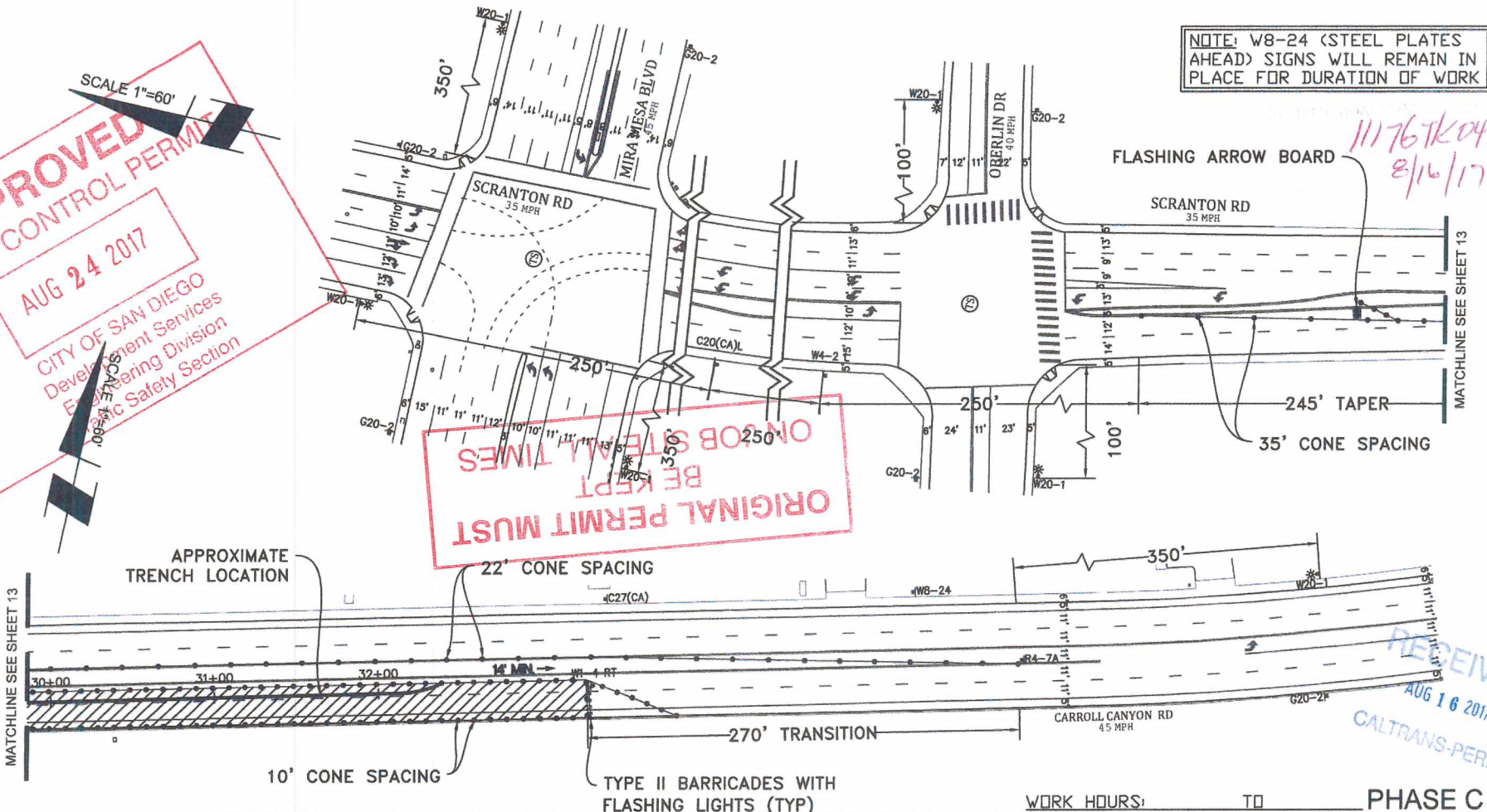
SHEET 13 OF 16

APPROVED
TRAFFIC CONTROL PERMIT
AUG 24 2017
 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

11176TK0459
 8/16/17

ORIGINAL PERMIT MUST BE KEPT ON JOB SITE AT ALL TIMES



RECEIVED
 AUG 16 2017
 CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 4

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

DATE: 7/12/2017
 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) 450-2347
 CELL: (760) 419-3738

NV5
 15092 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#: 1208-E7
 DRAWN FOR: CALTRANS



SHEET 14 OF 16

APPROVED
TRAFFIC CONTROL PERMIT

AUG 24 2017

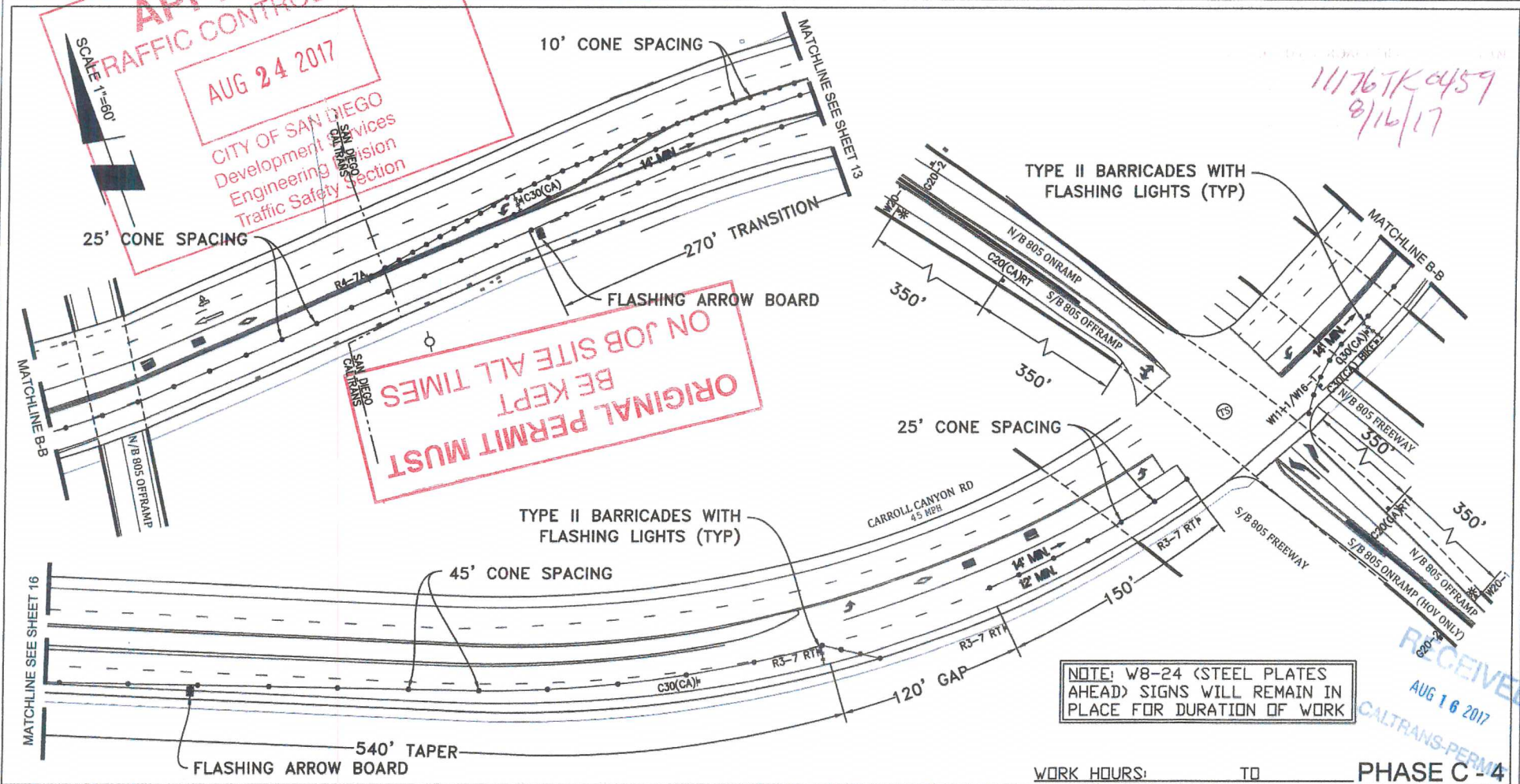
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

SCALE 1"=60'

25' CONE SPACING

10' CONE SPACING

ORIGINAL PERMIT MUST
BE KEPT ON JOB SITE ALL TIMES



11176TK 0459
8/16/17

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

TYPE II BARRICADES WITH
FLASHING LIGHTS (TYP)

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

RECEIVED
AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 4

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

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrann
President
2554 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. 658.385.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHoles#: _____
THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT



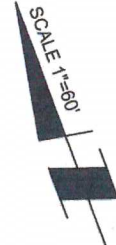
SHEET 15 OF 16

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

ROAD
WORK
AHEAD

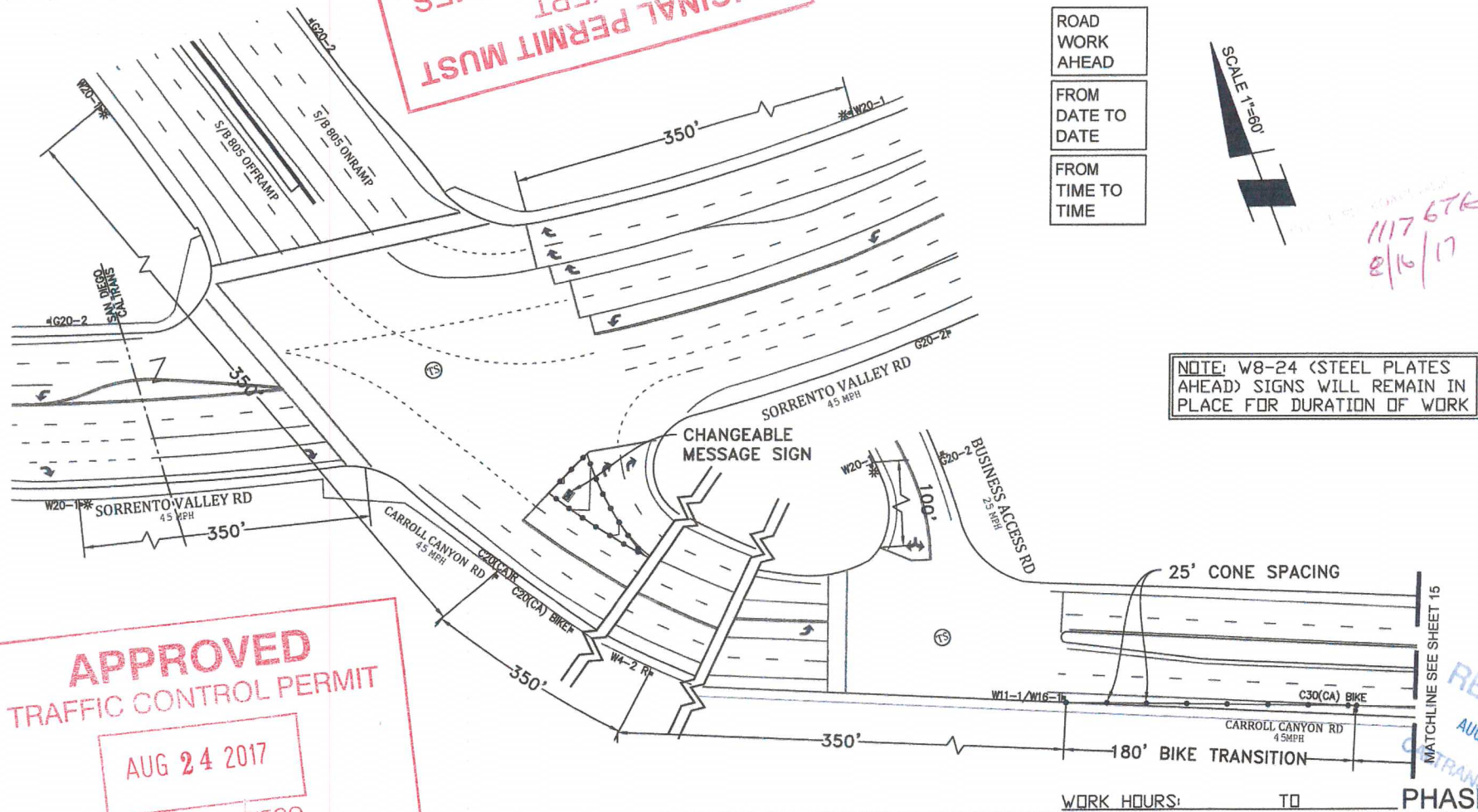
FROM
DATE TO
DATE

FROM
TIME TO
TIME



111767R0459
8/16/17

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



**APPROVED
TRAFFIC CONTROL PERMIT**

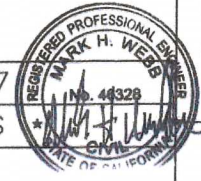
AUG 24 2017

RECEIVED
AUG 16 2017
CALTRANS PERMIT

WORK HOURS: TO PHASE C-4

PROJECT NAME: T-23071 - Sycamore Canyon Substation To
Penasquitos Substation - 230 KV Underground

DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb



SHEET 16 OF 16

AIRX
SURVEYORS, INC.
2304 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 450-2347
CELL: (760) 419-3728

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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

AIRX JOB#: X160218
THOMAS GRID#: 1208-E7
MISC/POTHOLE#:
DRAWN FOR: CALTRANS
TYPE OF WORK: TRENCHING / CONDUIT