



STREET/SIDEWALK BLOCKAGE FORM

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

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

ATTENTION

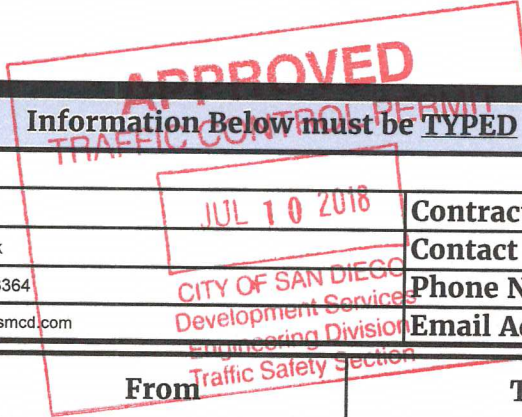
The night work hours listed on this Permit may be revised by Noise Permit intake of the Code Enforcement Section.

City Use Only

City Comments:

APPROVED <input checked="" type="checkbox"/> DENIED <input type="checkbox"/>	Date Reviewed	07/10/2018
Reviewer's Name	Felipe Avila	
Reviewer's Phone Number	(619) 446-5207	

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



Date Submitted	7/09/2018					Type of Work					
Utility Company	SDG&E	Contractor	ARB	Lane Closure	1	Street Closure	2	Sidewalk Closure	3		
Contact Name	Chuck Eck	Contact Name	Rod Nelson	Alley Closure	4	Parking Lane	5	Detour	6		
Phone Number	(860) 759-3364	Phone Number	(619) 778-2405	Trenching	7	Flagging	8	Bike Lane	9		
Email Address	ceck@burnsmcd.com	Email Address	melson@prim.com								

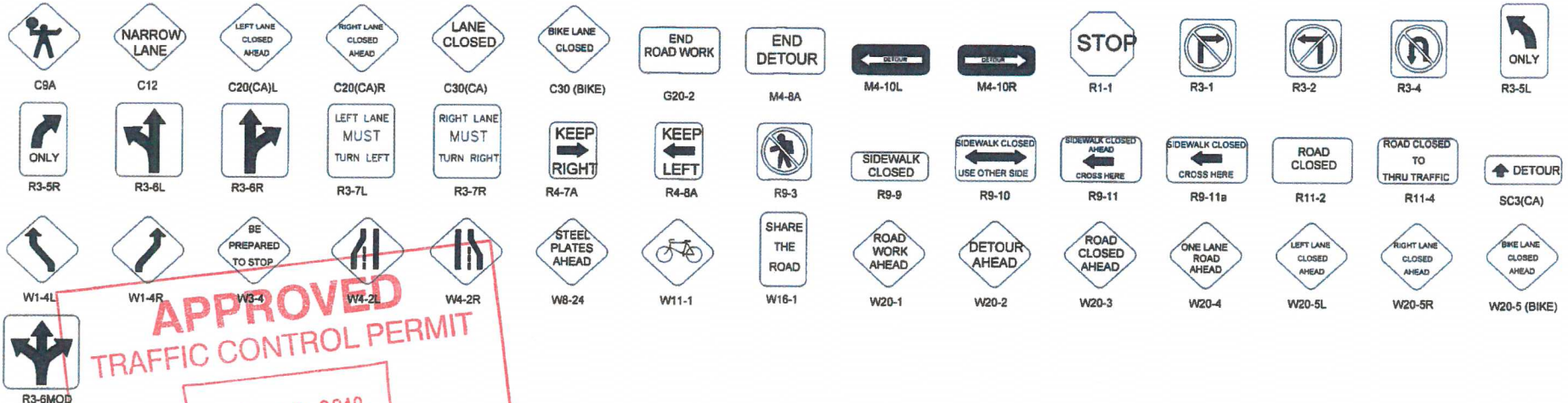
Street Name	From	To	Thomas Bros.	Start Date	End Date	Work Hours	Type of Work
Sample Street	Sample Road	Sample Avenue	1200-A1	xx/xx/xxxx	xx/xx/xxxx	8:30AM - 3:30PM	1,2,3,4,5,6,7,8,9
Carroll Canyon Road	Scranton Street	Youngstown Way	1208-D7	07/15/2018	08/03/2018	9:00 PM - 5:00 AM	1,5,8
Scranton Road	Carroll Canyon Road	Mira Mesa Blvd	1208-E7	07/15/2018	08/03/2018	9:00 PM - 5:00 AM	8
Youngstown Way	Carroll Canyon Road	Oberlin Drive	1208-F7	07/15/2018	08/03/2018	9:00 PM - 5:00 AM	8



Applicant Comments:	Paving/Restoration work ONLY - Phases 1 and Caltrans Phases C-1 through C-4, Sunday - Thursday night work, 9pm-5am	Is this an Extension?	<input checked="" type="radio"/> YES <input type="radio"/> NO	Date of previous approval:	06/21/2018
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- Completed **TYPED** form must be submitted a minimum of 2 working days prior to start of work.
- All plans shall be original, legible, and submitted in PDF format.
- No work on Saturdays, Sundays, and City-Observed Holidays unless authorized by City staff.
- Work affecting traffic signals requires a minimum of 5 working days advance notice - Contact Field Services at: jvaca@san Diego.gov

SIGN LEGEND



APPROVED
TRAFFIC CONTROL PERMIT

JUL 10 2018

SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

**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	150	180	90	60	200	30	60	15
35	200	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

UTILITY SURVEYORS, INC.

 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCONDIDO, CA 92027
 PHONE: (760) 480-2347
 CELL: (760) 419-3738

Gail McMorran
President

PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground		DATE: Mar 2, 2017
AIRX JOB#: X160218	THOMAS GRID#: –	
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 1 OF 4
MISC/POTHOLE#:		

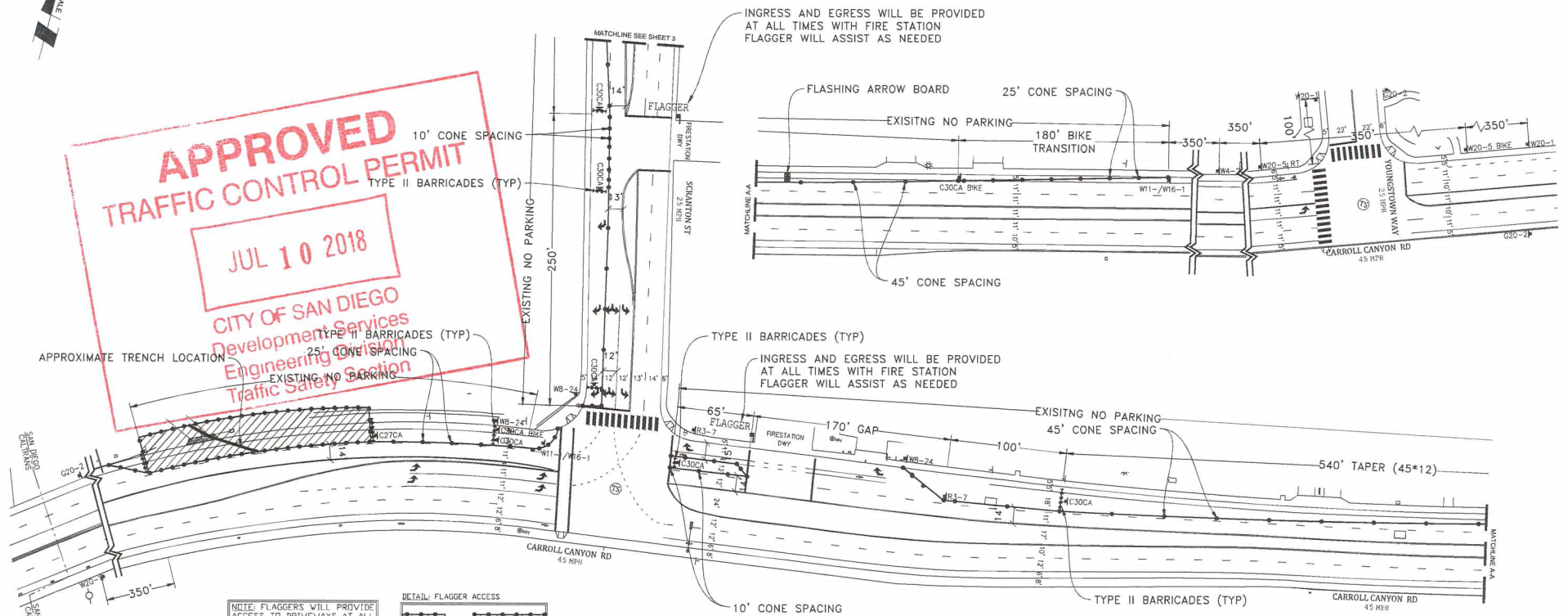
DATE: Mar 2, 2017
DESIGNED BY:
Clint Jones
SHEET 1 OF 4



APPROVED
TRAFFIC CONTROL PERMIT

JUL 10 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

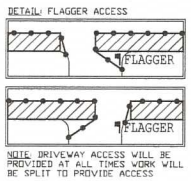


NOTE: FLAGGERS WILL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES

NOTE: FLAGGERS WILL SAFELY GUIDE PEDESTRIANS THROUGH WORK AREA

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

NOTE: WB-24 (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

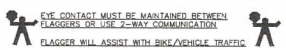
NOTE: CONTRACTOR WILL COORDINATE ALL WORK WITH TRANSIT DEPARTMENT 5 DAYS PRIOR TO START OF WORK

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

WORK HOURS: _____ TO _____



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

ORIGINAL PERMIT MUST
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ON JOB SITE ALL TIMES

UTILITY SURVEYORS, INC.

AIRX

Gail McMorran
President

2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 460-2347
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/POTHoles#:	

PHASE 1

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

SHEET 002 OF 148

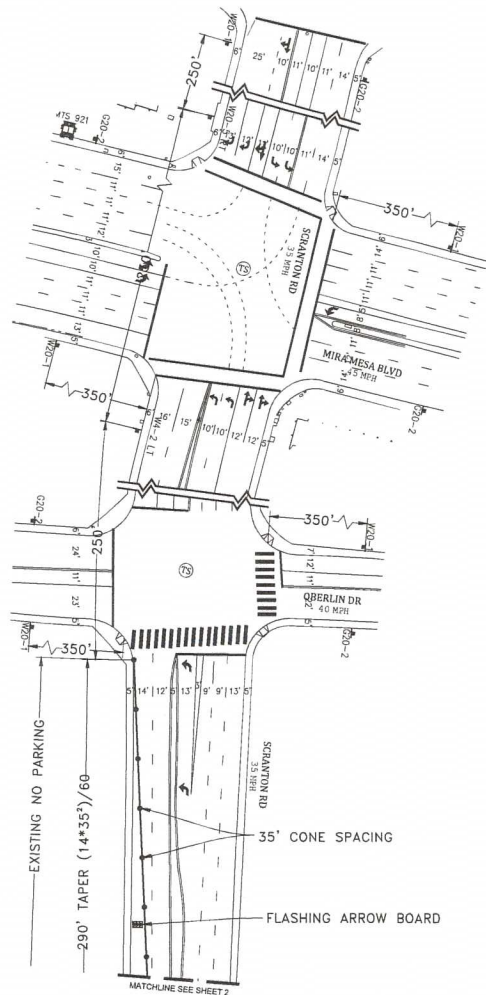


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TRAFFIC CONTROL PERMIT

JUL 10 2018

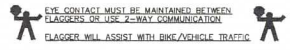
CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

ORIGINAL PERMIT MUST
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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: 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

LEGEND

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

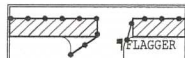
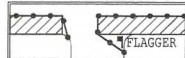
NOTE: FLAGGERS WILL PROVIDE ACCESS TO DRIVEWAYS AT ALL TIMES

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 STONE WILL REMAIN IN PLACE FOR DURATION OF WORK

DETAIL: FLAGGER ACCESS



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

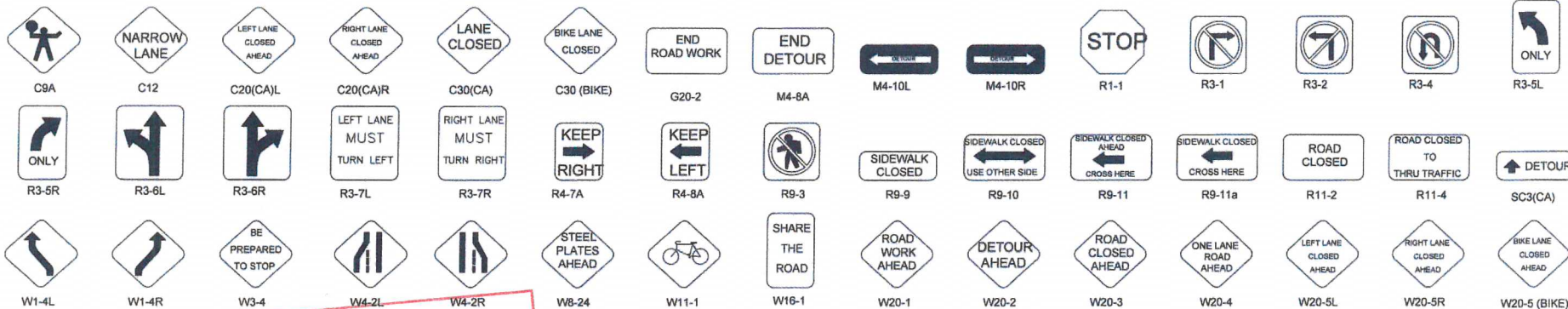
UTILITY SURVEYORS, INC.
AIRX
 Gail McMorran
 President
 2304 EAST EL NORTE PARKWAY, SUITE C
 ESCONCODO, CA 92027
 PHONE: (760) 450-2347
 CELL: (760) 419-3738

WORK HOURS: _____ TO _____

PHASE 1 (CONT)

PROJECT NAME: TL23071 - SYCAMORE CANYON SUBSTATION TO PENASQUITOS - 230 KV UNDERGROUND		DATE: Mar. 6, 2017
AIRX JOB#: X160218	THOMAS GRID#: -	DESIGNED BY: Clint Jones
TYPE OF WORK: TRENCHING / CONDUIT	DRAWN FOR: CITY OF SAN DIEGO	SHEET 003 OF 148
MISC/POTHOLE#:		

SIGN LEGEND



APPROVED
TRAFFIC CONTROL PERMIT

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH* FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING			
	TANGENT		MERGING		SHIFTING		SHOULDER	
	L	W	L	W	L	W	L	W
20	180	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	18	18
40	640	320	160	107	46	80	20	20
45	1080	540	270	180	65	90	25	25
50	1200	600	300	200	70	100	25	25
55	1320	660	330	220	75	100	25	25
60	1440	720	360	240	80	100	25	25
65	1560	780	390	260	85	100	25	25
70	1680	840	420	280	90	100	25	25
75	1800	900	450	300	95	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 tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED*	Min D**	DOWNGRADE Min D***		
		-3%	-6%	-9%
		ft	ft	ft
20	115	115	120	128
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - 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

TABLE 3

ADVANCE WARNING SIGN SPACING

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

* - The distances are approximate, are intended for guidance 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

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CALTRANS-PERMIT

111767K 0459
8/16/17

ORIGINAL PERMIT MUST
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ON JOB SITE ALL TIMES

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
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

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

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

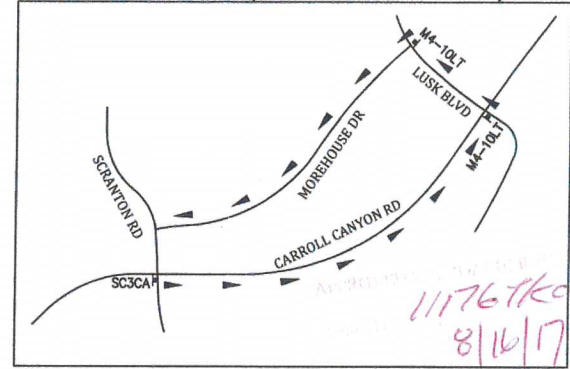
SHEET 1 OF 16



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

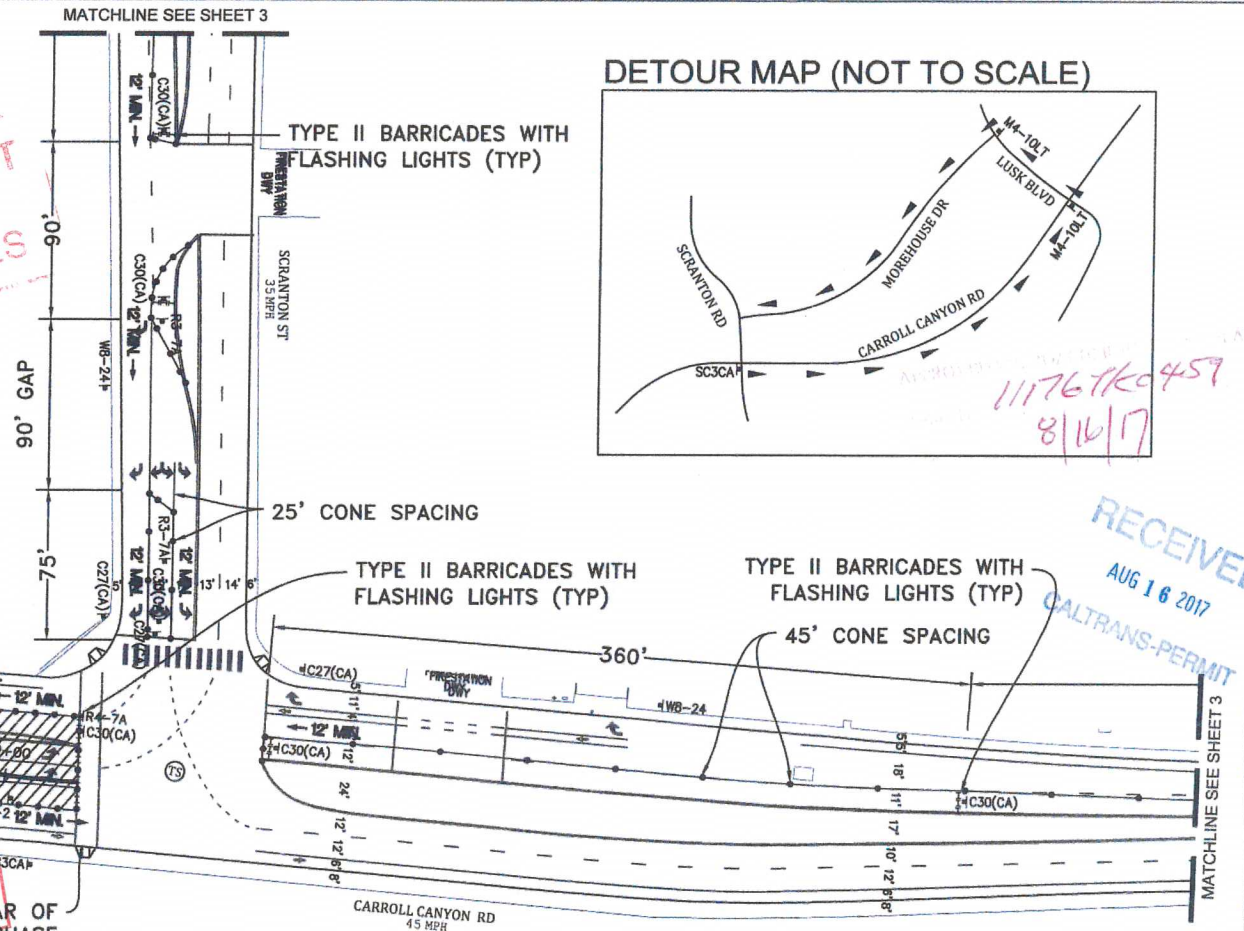
DETOUR MAP (NOT TO SCALE)



APPROVED
STAFFING CONTROL PERMIT

CITY OF SAN DIEGO
Development Services
Engineering
Traffic Safety Section

CROSSWALK WILL BE CLEAR OF ALL EQUIPMENT IN THIS PHASE



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AUG 16 2017
CALTRANS-PERMIT

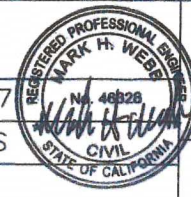
WORK HOURS: TO PHASE C - 1

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) 465-2247
CELL: (760) 415-3738

N|V|5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 658.365.0500 WWW.NV5.COM

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



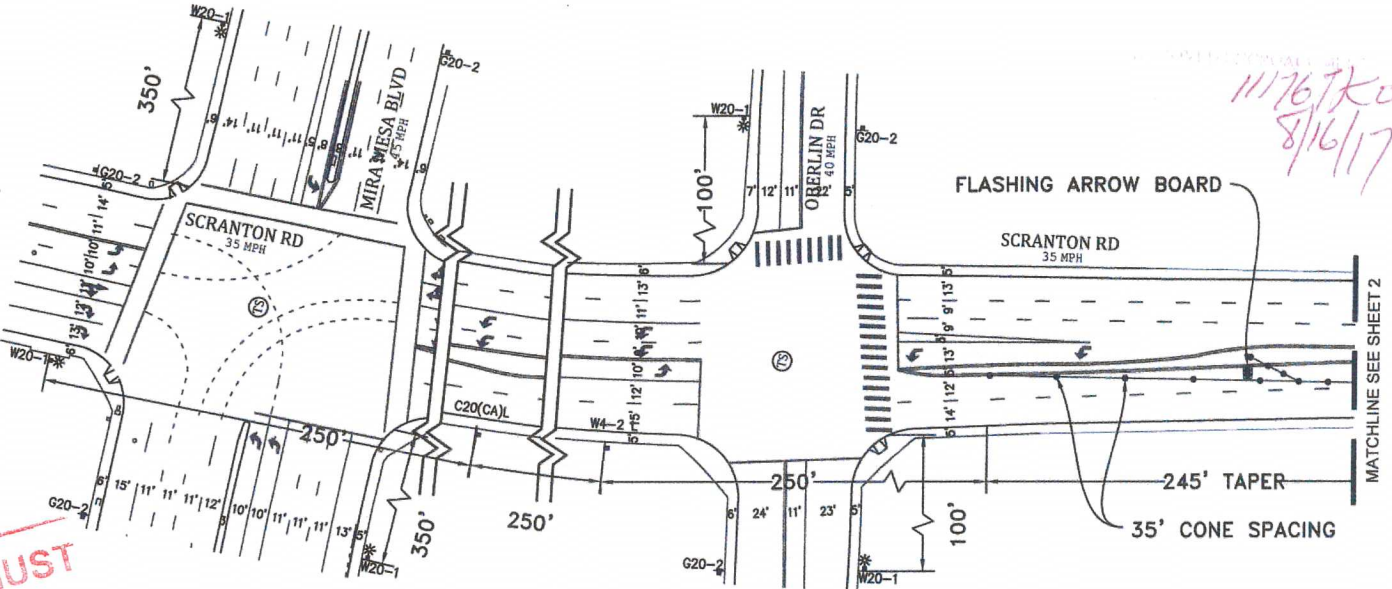
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 2 OF 16

SCALE 1"=60'

11/26/17 KO859
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

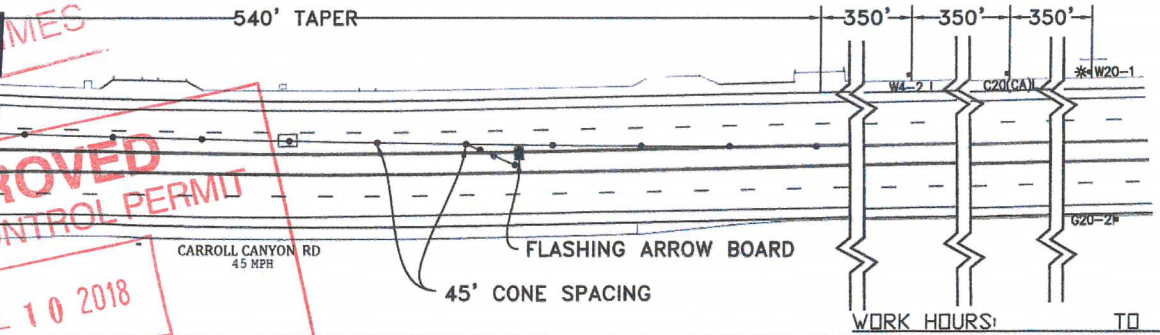
SCALE 1"=60'

APPROVED TRAFFIC CONTROL PERMIT

JUL 10 2018

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AUG 16 2017
CALTRANS-PERMIT

MATCHLINE SEE SHEET 2



WORK HOURS: TO PHASE C - 1

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

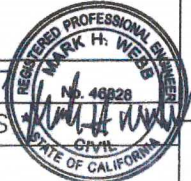
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorran
President
2534 EAST EL NORTE PARKWAY, SUITE C
SAGANANDO, CA 92027
PHONE: (760) 485-2347
CELL: (760) 415-3738

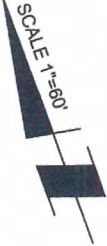
NV5
City of San Diego
Engineering Services
Traffic Safety Section
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.365.0500 WWW.NV5.COM

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

THOMAS GRID#: 1208-E
DRAWN FOR: CALTRANS

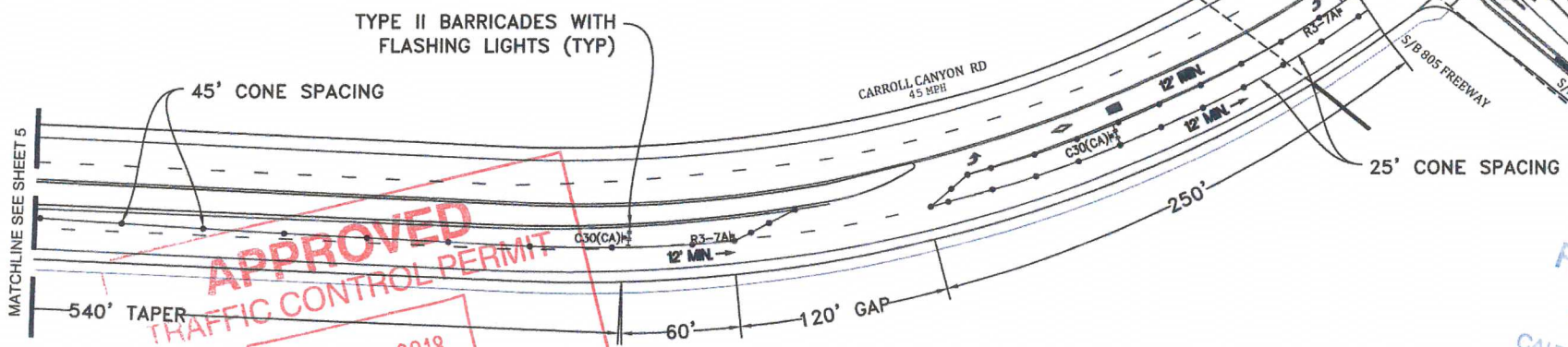
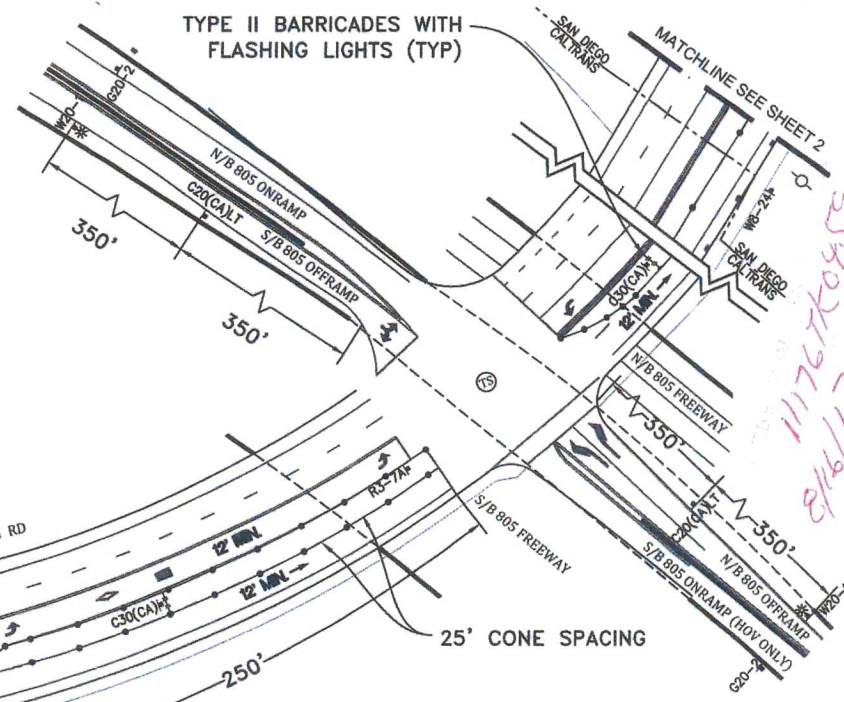


SHEET 3 OF 16



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



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TRAFFIC CONTROL PERMIT
JUL 10 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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AUG 16 2017
CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 1

PROJECT NAME: TL 23071 - 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) 895-2347
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NIV5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P. 658.385.0500 WWW.NIV5.COM

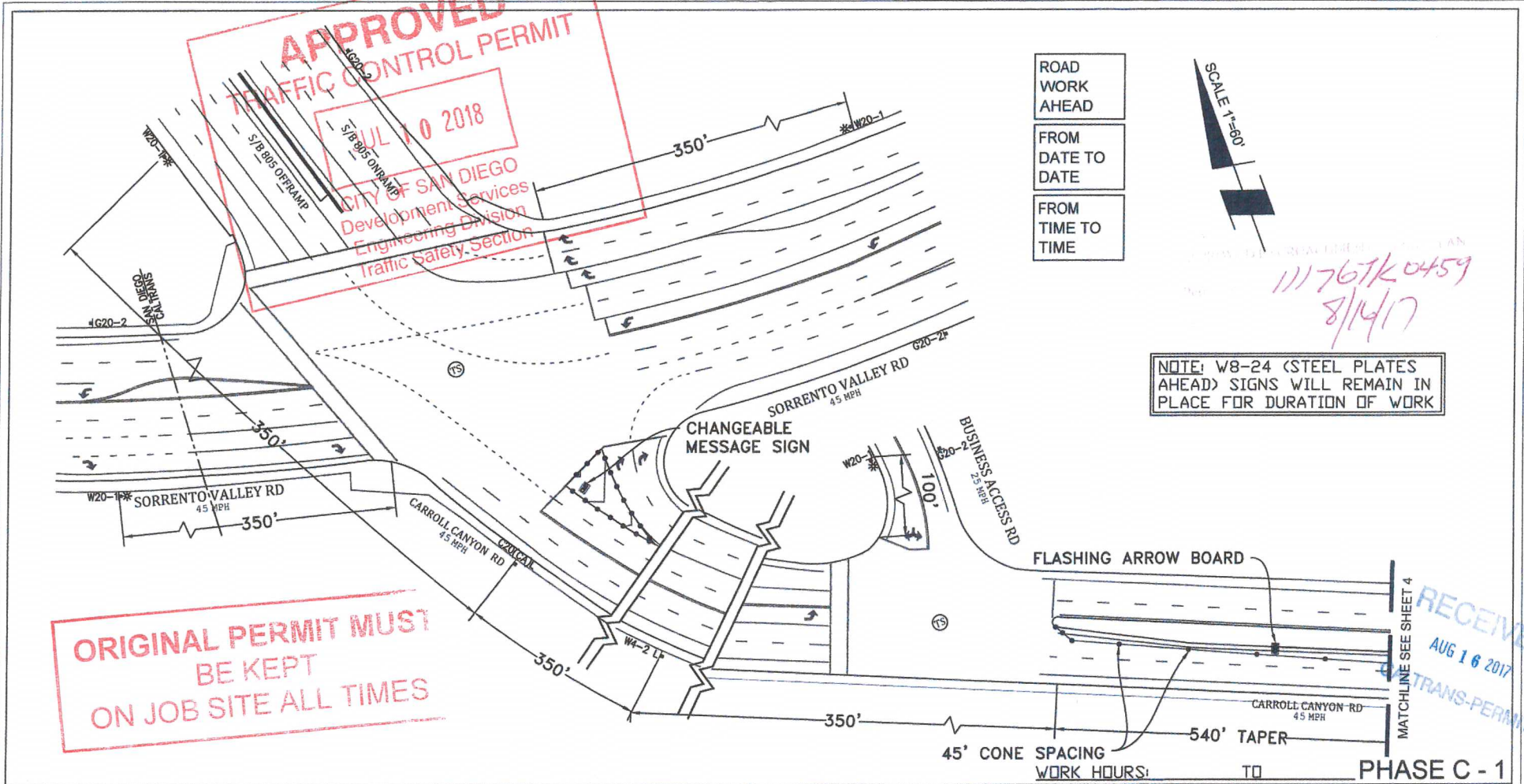
AIRX JOB#: X160218
MISC/POTHOLES#:

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS

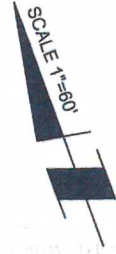


TYPE OF WORK: TRENCHING / CONDUIT

SHEET 4 OF 16



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

RECEIVED
 AUG 16 2017
 TRANS-PERMIT

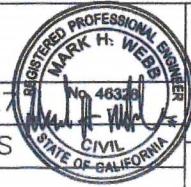
PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground

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) 490-2347
 CELL: (760) 419-2736

N|V|S
 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92126
 P. 658.395.0500 WWW.NV5.COM

AIRX JOB#: X160218
 THOMAS GRID#: 1208-E7
 MISC/POTHOLES#:
 DRAWN FOR: CALTRANS



TYPE OF WORK: TRENCHING / CONDUIT

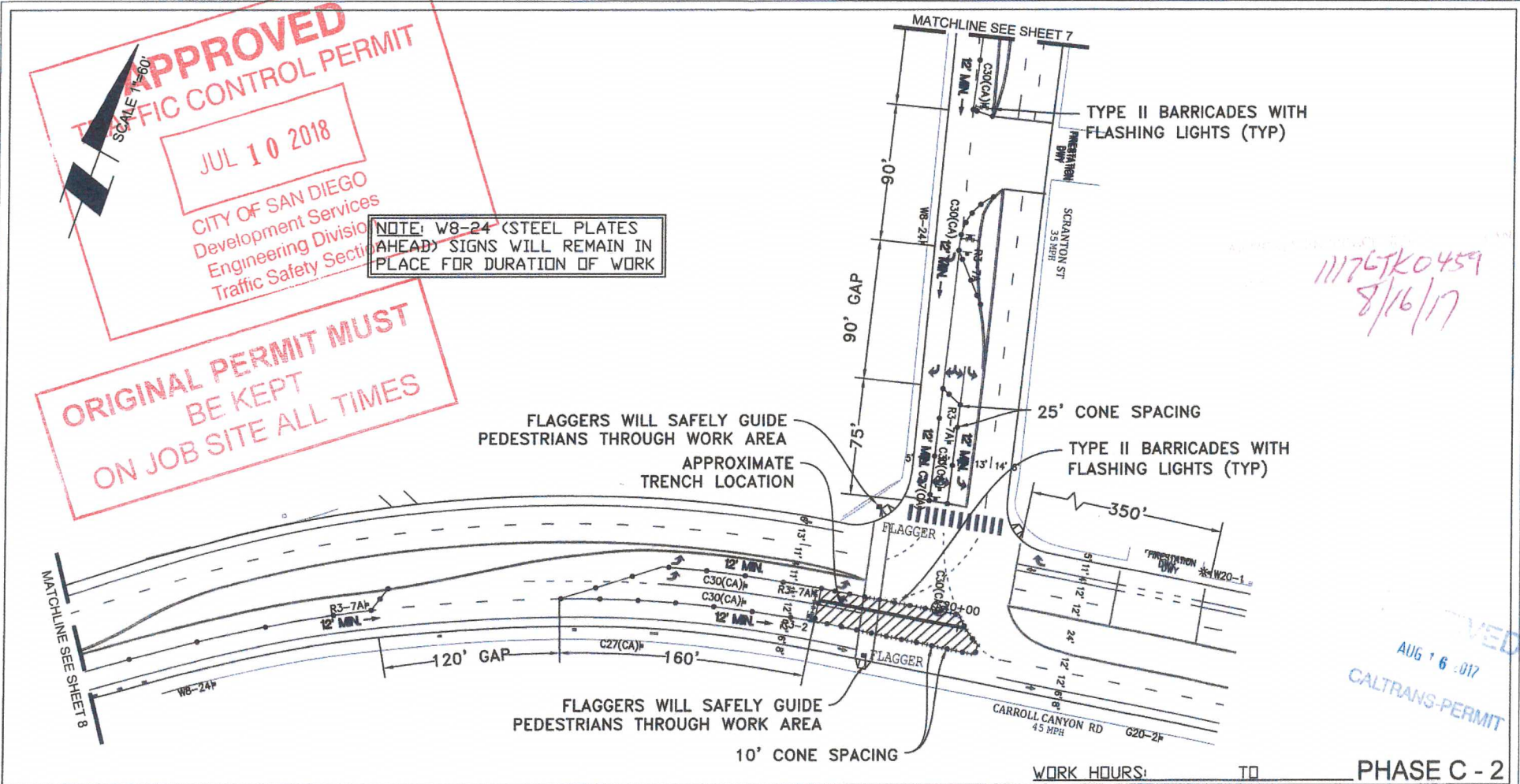
SHEET 5 OF 16

PHASE C - 1

APPROVED
TRAFFIC CONTROL PERMIT
 JUL 10 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



11176TK0459
 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 McMorrin
 President
 2834 EAST EL NORTE PARKWAY, SUITE C
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 15092 AVENUE OF SCIENCE, SUITE 200
 SAN DIEGO, CA 92128
 P: 858 395.0500 WWW.NV5.COM

AIRX JOB#: X160218
 MISC/POTHoles#: _____

THOMAS GRID#: 1208-E7
 DRAWN FOR: CALTRANS

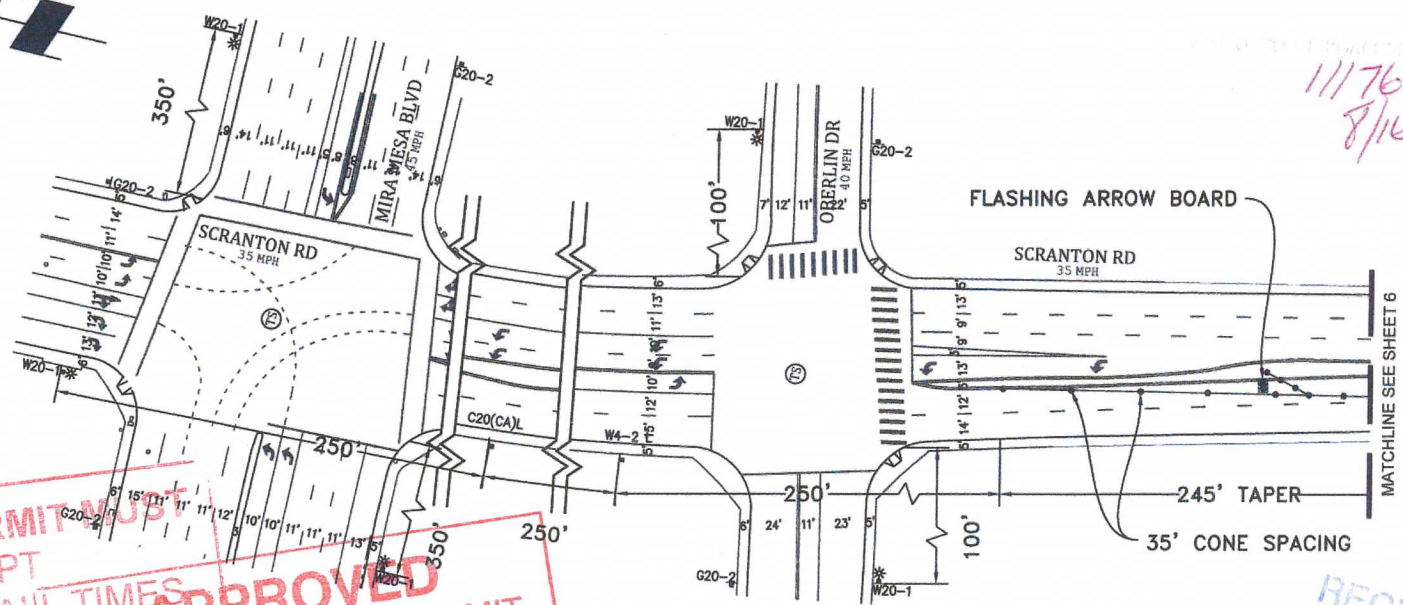


TYPE OF WORK: TRENCHING / CONDUIT

SHEET 6 OF 16

SCALE 1"=60'

11176JK459
8/16/17



ORIGINAL PERMIT MUST BE KEPT ON JOB SITE ALL TIMES

APPROVED

TRAFFIC CONTROL PERMIT

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

JUL 10 2018

CITY OF SAN DIEGO
Development Services

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WORK HOURS: _____ TO _____ **PHASE C - 2**

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

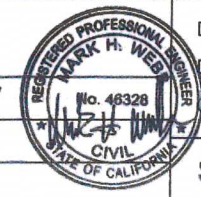
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

AIRX SURVEYORS, INC.
Gail McMorrان
President
2534 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: 658.385.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLES#:

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



TYPE OF WORK: TRENCHING / CONDUIT

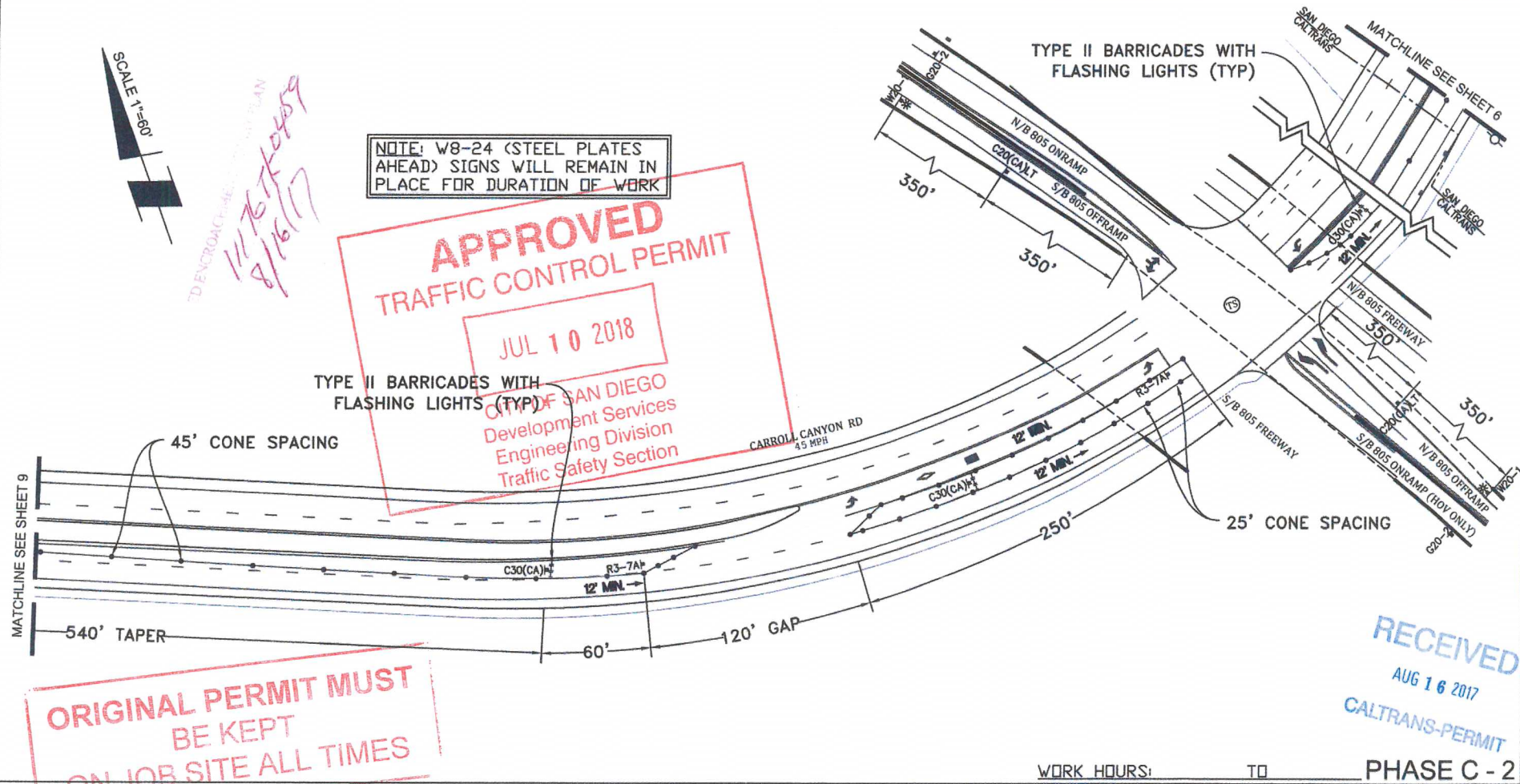
SHEET 7 OF 16

SCALE 1"=60'

TO ENCROACHMENT PERMIT PLAN
11/16/17
8/16/17

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

APPROVED TRAFFIC CONTROL PERMIT
JUL 10 2018
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section



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 McMorrin
President
2534 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 480-2247
CELL: (760) 419-3728

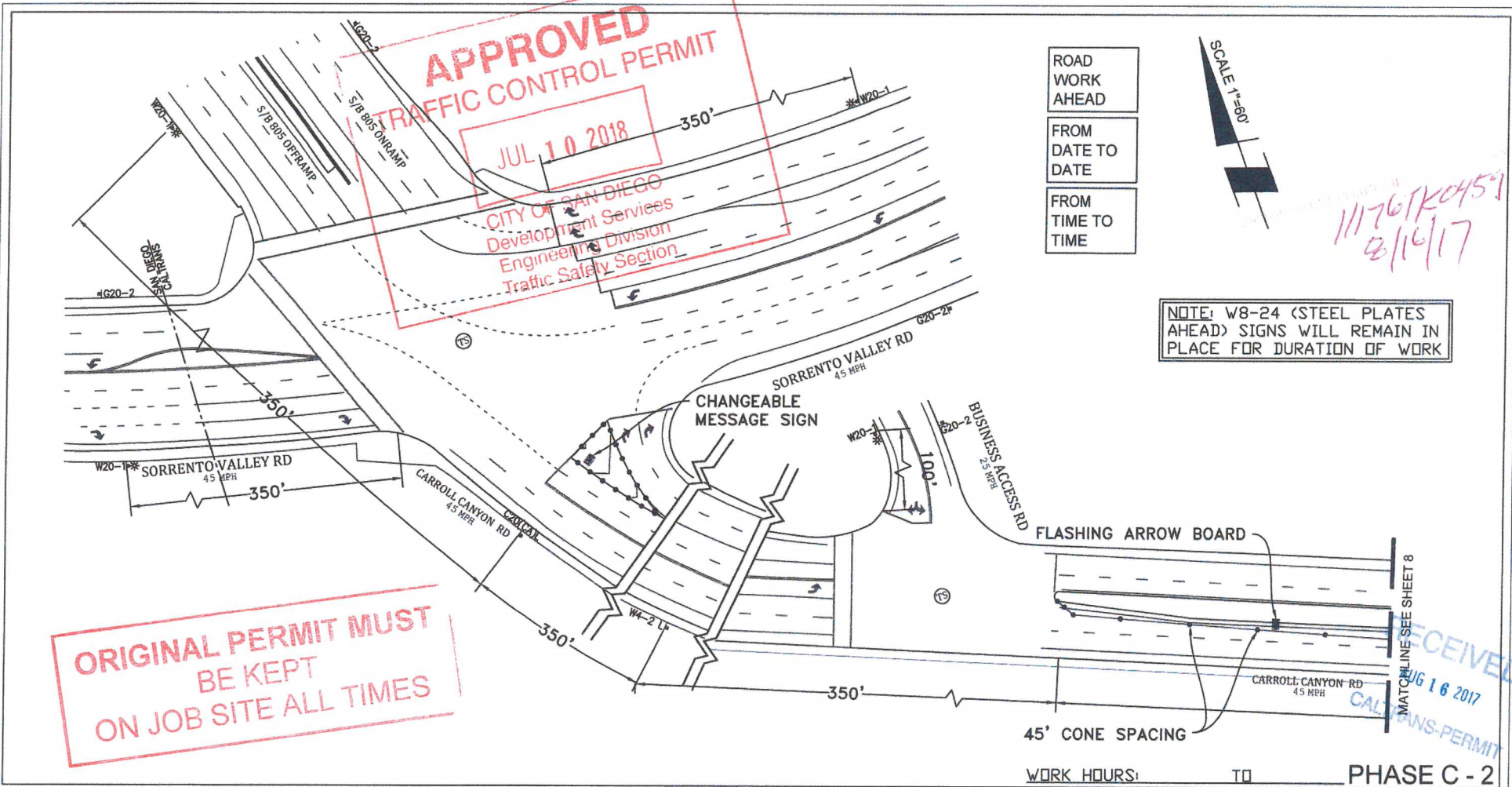
N/V/5
15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.385.0500 WWW.NV5.COM

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

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



SHEET 8 OF 16



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 McMorrán
 President
 2534 EAST EL NORTE PARKWAY, SUITE C
 ESCOBEDO, CA 92827
 PHONE: (760) 480-2267
 CELL: (760) 419-3728

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 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 9 OF 16



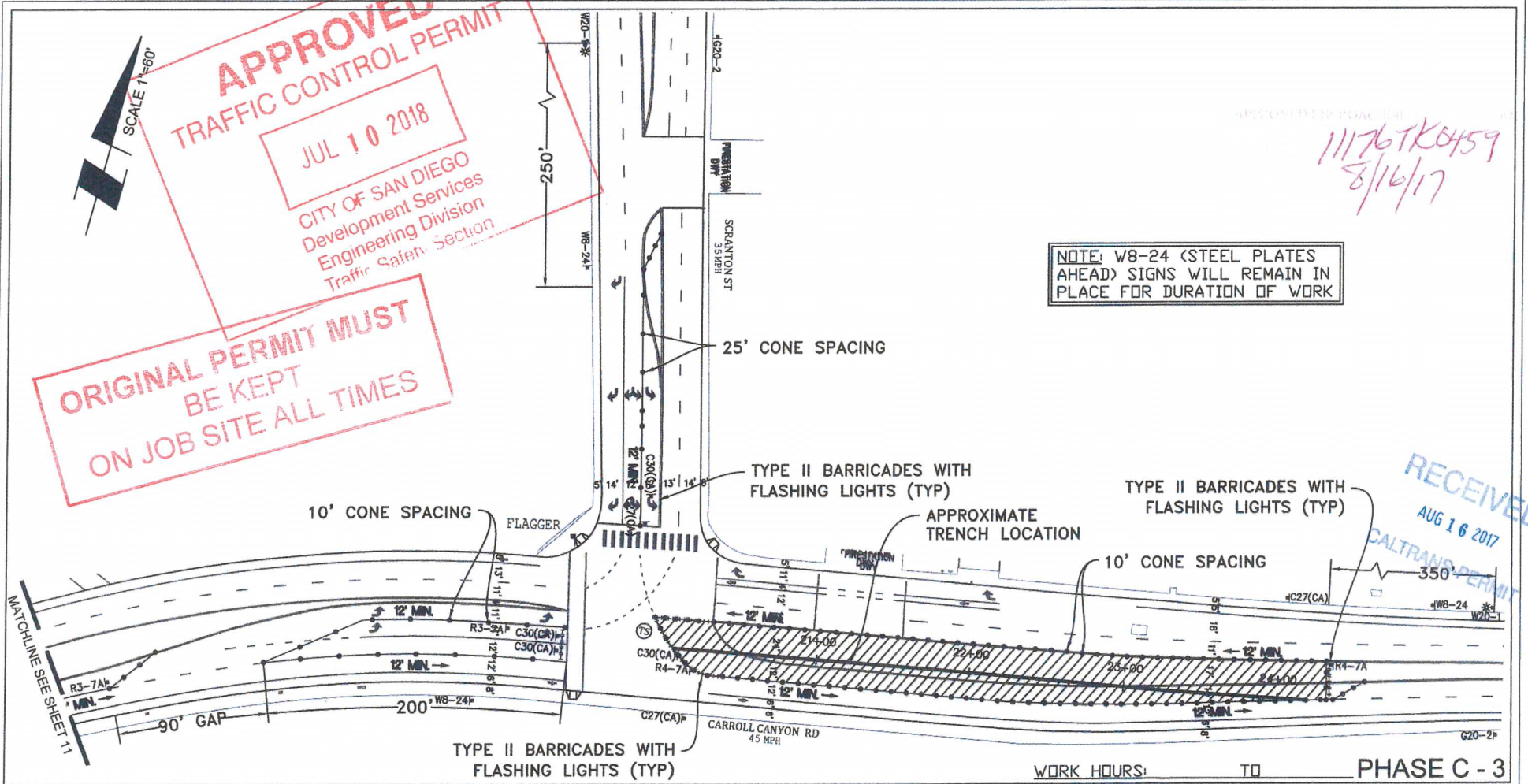
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TRAFFIC CONTROL PERMIT

JUL 10 2018
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



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AUG 16 2017
CALTRANS PERMIT

WORK HOURS: _____ TO _____ **PHASE C - 3**

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

AIRX SURVEYORS, INC.
Gail McMorrان
President
2534 EAST EL NORTE PARKWAY, SUITE C
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15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92128
P: 858.365.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHOLE#: _____

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



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

TYPE OF WORK: TRENCHING / CONDUIT

SHEET 10 OF 16



11/7/17
8/16/17

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

APPROVED
TRAFFIC CONTROL PERMIT

JUL 10 2018

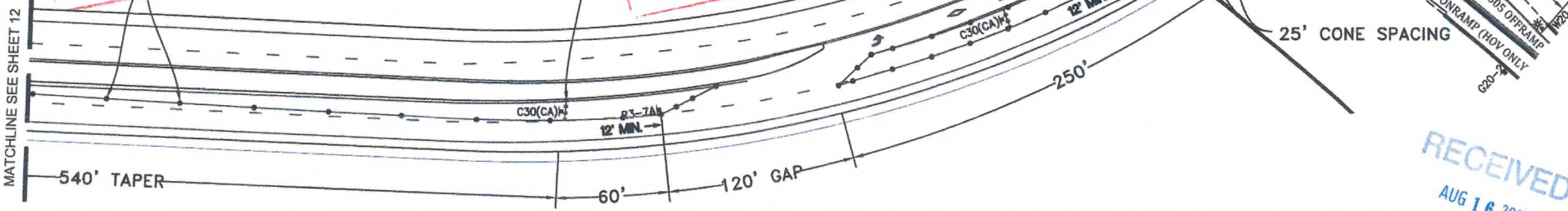
CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

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TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

45' CONE SPACING

25' CONE SPACING



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WORK HOURS: _____ TO _____ PHASE C - 3

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

AIRX SURVEYORS, INC.
Gail McMorran
President
2554 EAST EL NORTE PARKWAY, SUITE C
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15092 AVENUE OF SCIENCE, SUITE 200
SAN DIEGO, CA 92126
P: 858.385.0500 WWW.NV5.COM

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

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS

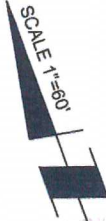


DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

SHEET 11 OF 16

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TRAFFIC CONTROL PERMIT
JUL 10 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

ROAD
 WORK
 AHEAD
 FROM
 DATE TO
 DATE
 FROM
 TIME TO
 TIME

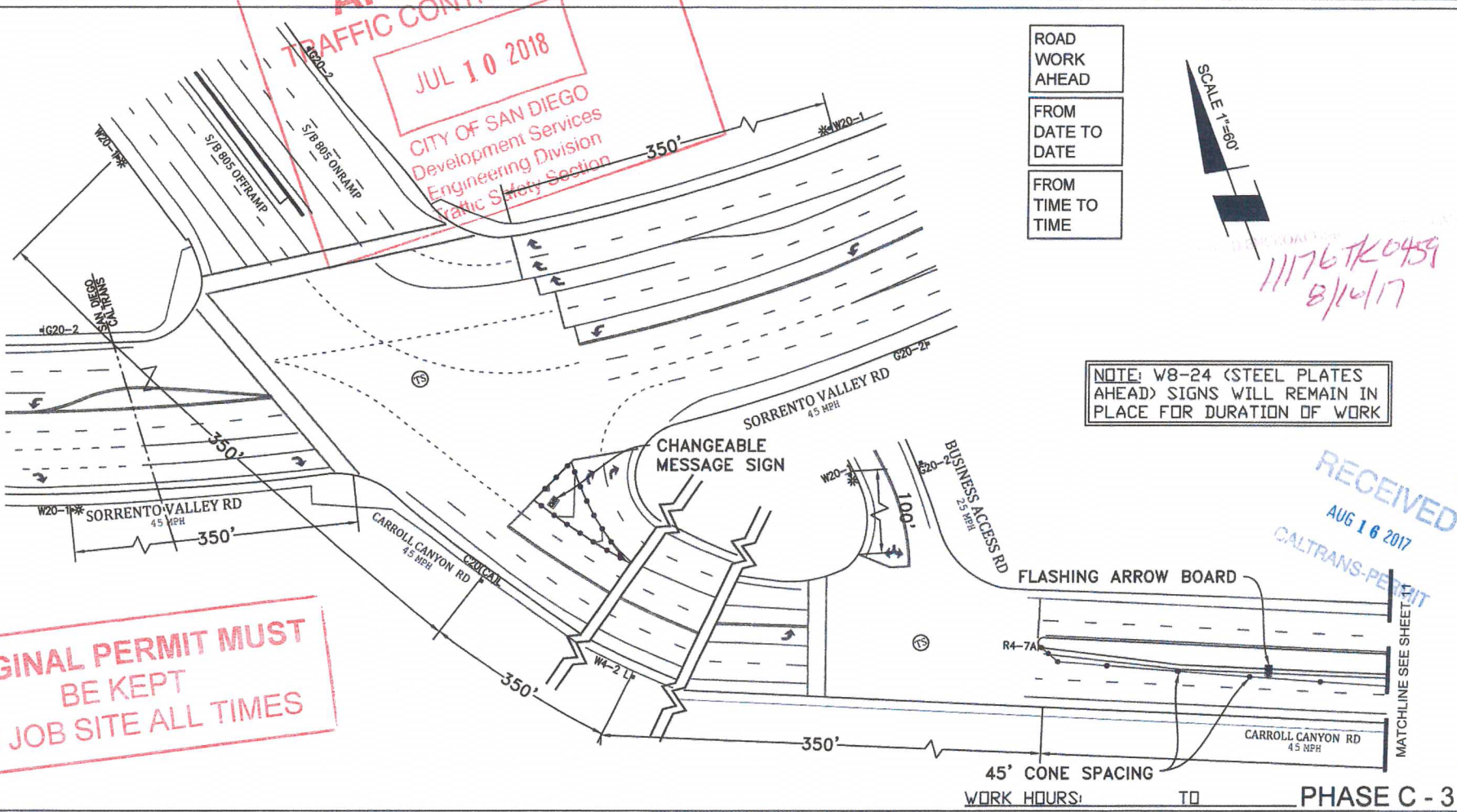


11176 TK 0459
 8/16/17

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

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 AUG 16 2017
 CALTRANS-PERMIT

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



45' CONE SPACING
 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
 2304 EAST EL NORTE PARKWAY, SUITE C
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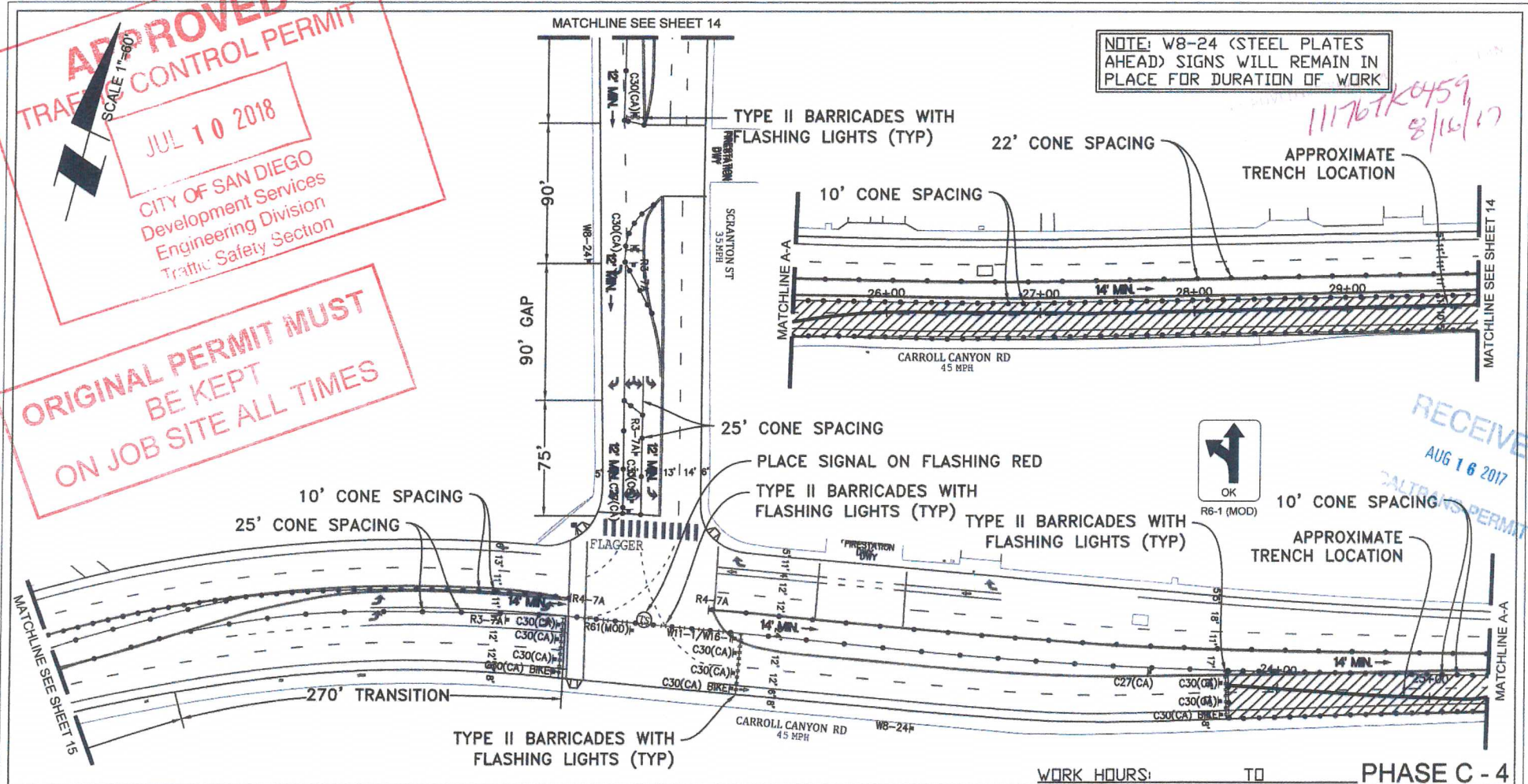
AIRX JOB#: X160218
 THOMAS GRID#: 1208-E7
 MISC/POTHOLE#: _____
 DRAWN FOR: CALTRANS
 TYPE OF WORK: TRENCHING / CONDUIT

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

SHEET 12 OF 16

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JUL 10 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

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

11176TK0459
 8/16/17

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WORK HOURS: TO PHASE C - 4

PROJECT NAME: TL23071 - Sycamore Canyon Substation To Penasquitos Substation - 230 KV Underground		DATE: 7/12/2017	
AIRX JOB#: X160218		DESIGNED: Clint Jones	
MISC/POTHOLE#:		CHECKED BY: Mark Webb	
TYPE OF WORK: TRENCHING / CONDUIT		SHEET 13 OF 16	

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 ESCONDIDO, CA 92027
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 SAN DIEGO, CA 92128
 P. 858.385.0500 WWW.NV5.COM

THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS

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

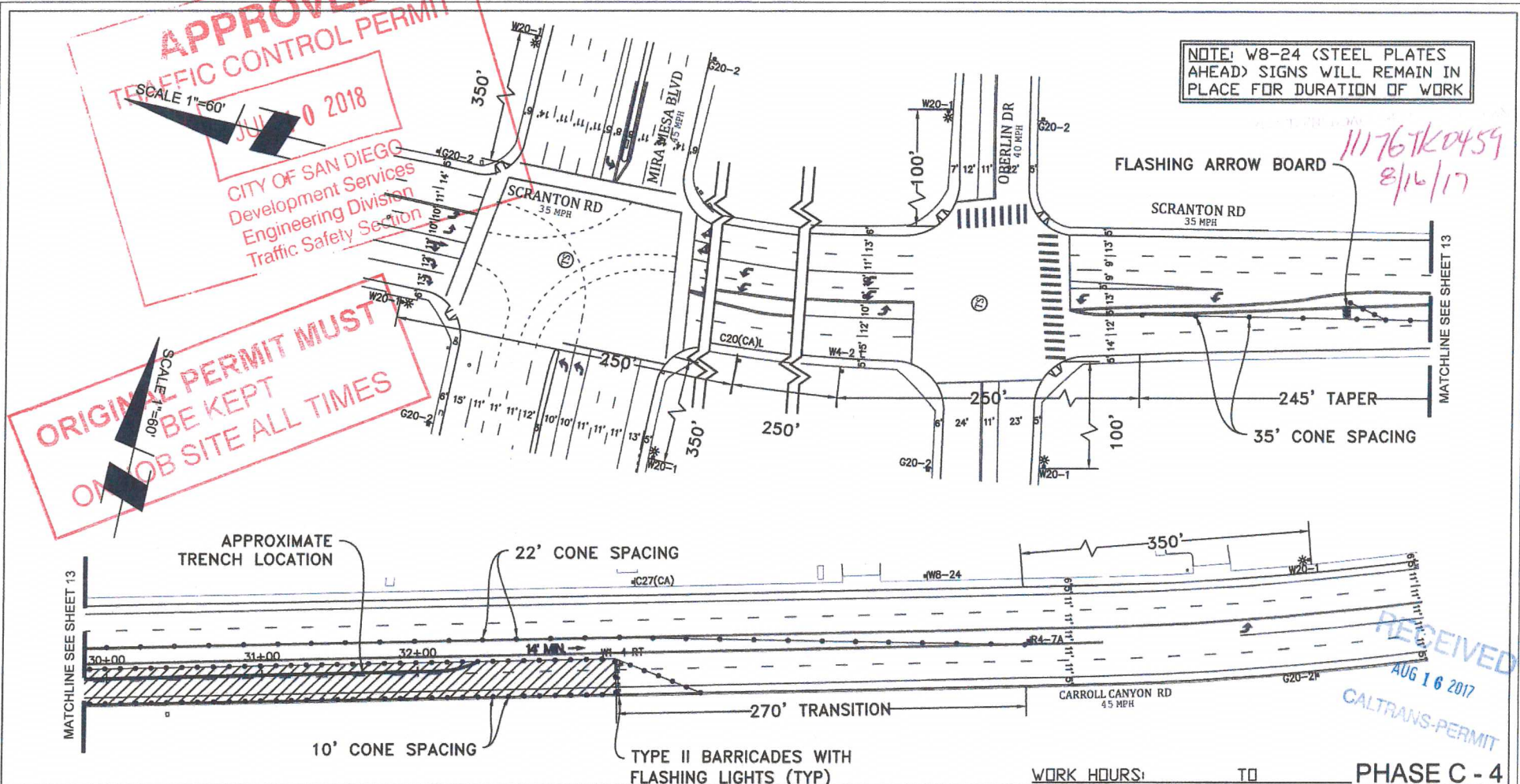
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JUL 10 2018

CITY OF SAN DIEGO
Development Services
Engineering Division
Traffic Safety Section

ORIGINAL PERMIT MUST
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ON JOB SITE ALL TIMES

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

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8/16/17



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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
234 EAST EL NORTE PARKWAY, SUITE C
ESCONDIDO, CA 92027
PHONE: (760) 455-2347
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SAN DIEGO, CA 92128
P: 658.385.0500 WWW.NV5.COM

AIRX JOB#: X160218
MISC/POTHoles#: _____

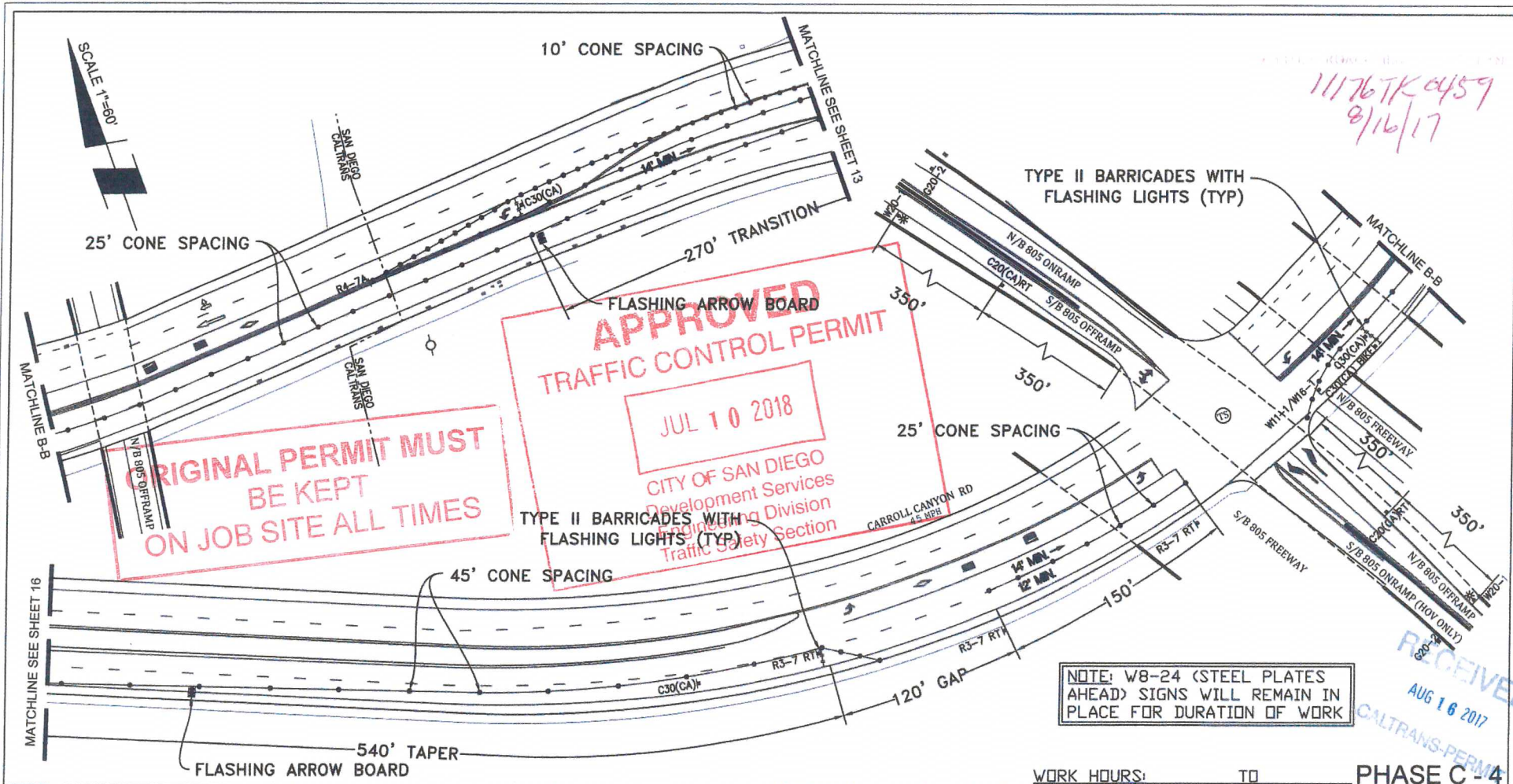
THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



TYPE OF WORK: TRENCHING / CONDUIT

SHEET 14 OF 16

11176TK 0459
8/16/17



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

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CALTRANS-PERMIT

WORK HOURS: _____ TO _____ PHASE C - 4

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

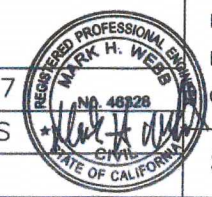
DATE: 7/12/2017
DESIGNED: Clint Jones
CHECKED BY: Mark Webb

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

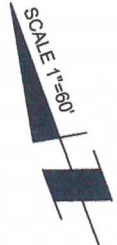
THOMAS GRID#: 1208-E7
DRAWN FOR: CALTRANS



SHEET 15 OF 16

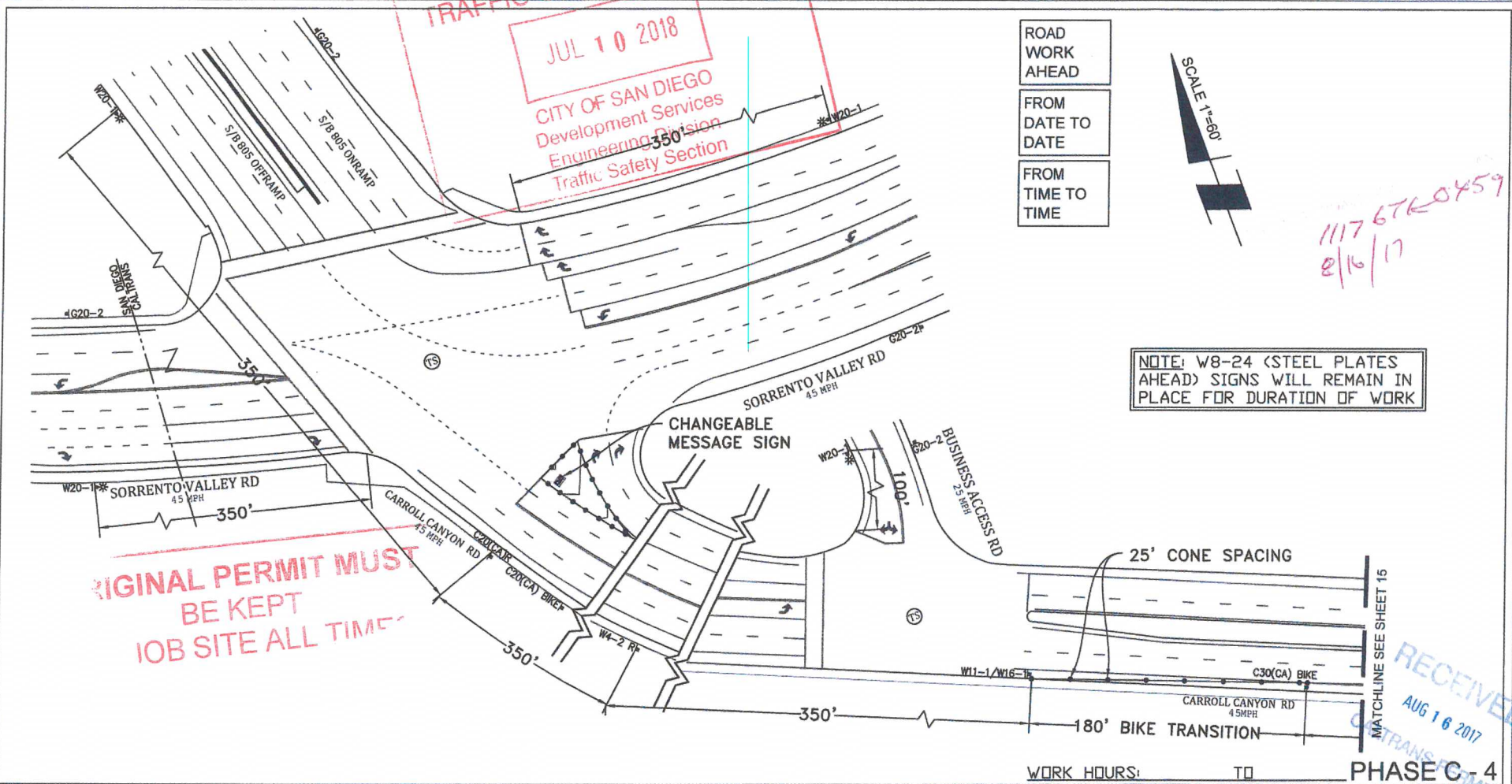
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TRAFFIC CONTROL PERMIT
JUL 10 2018
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

ROAD
 WORK
 AHEAD
 FROM
 DATE TO
 DATE
 FROM
 TIME TO
 TIME



1117 676-0459
 8/16/17

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



**ORIGINAL PERMIT MUST
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 JOB SITE ALL TIME**

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 CALTRANS

WORK HOURS: TO PHASE C-4

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

AIRX SURVEYORS, INC.
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 President
 2234 EAST EL NORTE PARKWAY, SUITE C
 ESCONCIDO, CA 92027
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 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



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

SHEET 16 OF 16