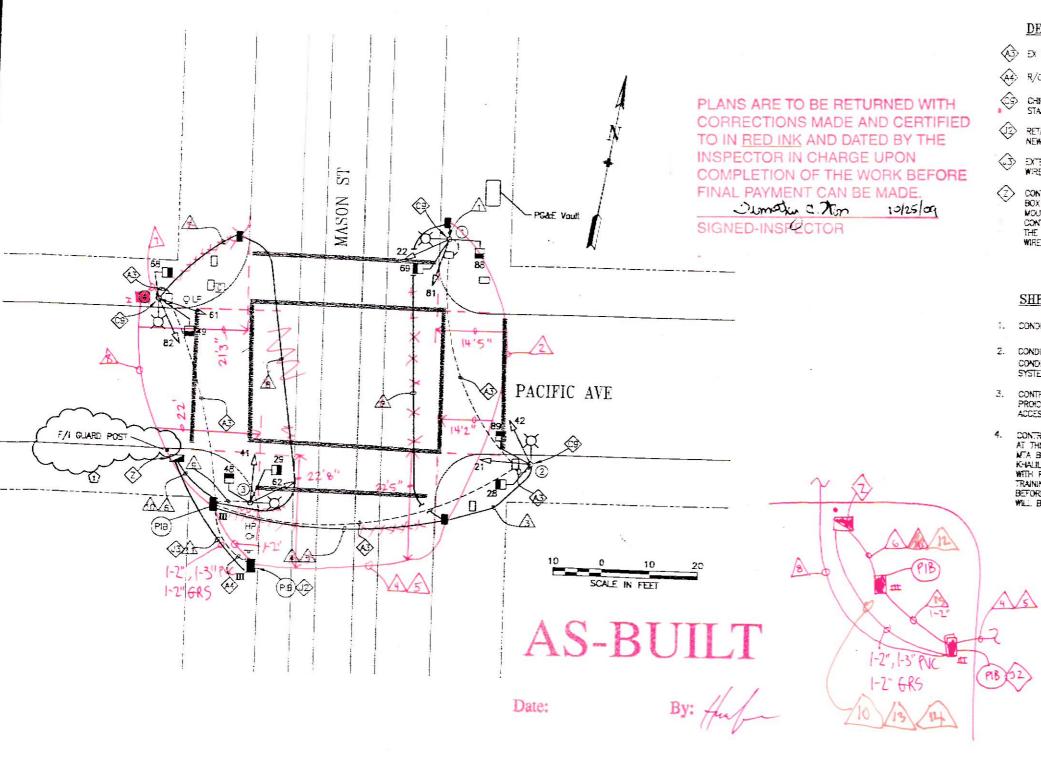
PED SIGNALS ACTIVATED AS PART OF CT 32 ON 5/5/09



DETAIL NOTE:

- (A) EX CONDUIT AND WIRING, R/C EX TS WIRING, EX SL WIRING TO REMAIN.
- R/C EX WIRING AND CONDUIT, REPAIR SIDEWALK TO MATCH EX.
- CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- RETAIN EX SERVICE WIRES. SPLICE AND EXTEND TO NEW IC LOCATION. F/I 4CA IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- DITEND EX CABLE CAR PRE-EMPT WIRES TO NEW IC LOCATION, SPLICE WIRES IF NEEDED.
- CONTRACTOR SHALL F/I A STANLESS STEEL LOCKABLE NEMA 4X ENCLOSURE BOX (12"H X 12"W X 5"D) ON EXTERIOR OF IC CABINET. CONTRACTOR SHALL MOUNT THE BOTTOM ON NEWA BOX AT A HEIGHT OF 48" ABOVE SDEWALK GRADE CONTRACTOR SHALL F/I A TERMINAL BLOCK WITH AT LEAST 12 POSITIONS INSIDE THE NEMA BOX. CONTRACTOR TO F/I A 2" GRSC NIPPLE BETWEEN BOXES TO ALLOW WIRES TO BE ROUTED BETWEEN NEMA BOX AND THE IC CABINET.

SHEET NOTES

- 1. CONDUITS INSTALLED UNDER TRACKS SHALL BE INSTALLED BY JACKING, PUSHING OR PULLING.
- CONDUITS SHALL SE INSTALLED UNDER CABLE TRACKS. SEE SSOPWSF SECTION 501.03 (TYPICAL).
 CONDUIT SHALL BE 4' TO 6' BELOW SURFACE. CONTRACTOR SHALL KEEP CABLE CAR PRE-EMPTION SYSTEM RUNNING DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY CABLE CAR OPERATIONS WILLEY TOW AT 415-307-8988. SEVEN DAYS
 PROFOR TO WORKING UNDER CAR TRACKS OF ACCESSING MUNIT PULL BOX. PULL BOX CAN ONLY BE
 ACCESSED DURING NON-OPERATION HOURS (1:30 AM TO 4:30AM).
- CONTRACTOR AND HIS EMPLOYEES WHO WILL PERFORM WORK WITHIN 48" OF THE CABLE CAR TRACKS AT THIS INTERSECTION SHALL FIRST RECEIVE ON TRACK SAFETY TRAINING AND CERTIFICATE FROM THE MEA SEFORE STARTING THE WORK CONTRACTOR SHALL SCHEDULE TRAINING BY CONTRACTING NAPOLEON KHALLINAJI FROM THE MTA AT (415) 701—4679. CONTRACTOR SHALL SIGN A "HOLD HARMLESS" AGREEMENT WITH RESPECT TO THE SAFETY TRAINING (SEE CONTRACT SPECIFICATIONS). IN ADDITION TO THE SAFETY TRAINING, THE CONTRACTOR SHALL DETAIN A PERMIT FROM THE MUNI OPERATIONS CONTROL CENTER (000) BEFORE WORKING WITHIN 48" OF THE CABLE CAR TRACKS, MUNI DOC PERMIT APPLICATION PROCEDURE WILL BE DISCUSSED AS PART OF THE MTA SAFETY TRAINING.

NOTE

THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

REFERENCE INFORMATION
& FILE NO OF SURVEYS

1. THE PLACE CLARD POST AS SHOWN US S.
NO. DATE DESCRIPTION BY APP.

TABLE OF REVISIONS

CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO

10°E5510	1
8 5 5 0 C	3
	1
Mo. E16255 20 1 ★ Exp. 11/31/22 ★	0
FOR OF ST	c
OF CALLED	9

	DESIGNED:	DATE	APPROVED.	
20	SD/EF	10/07		
到劃	DRAWN:	DATE	SECTION WAYAGER	DATE
E *#	CXL	10/07		
	CHECKET:	DATE	DEPUTY BUREAU MANAGER	DATE:
	ac ac	10/07		

AS SHOWN TR

CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS

MASON ST & PACIFIC AVE

E-3.0 E NO. 87,480

0985J

		- T	POLE /	AND EQU	IPMENT	SCHE	DUL	=	CONTRACT WO	RK IN BOLD
POLE No.	TYPE OF POLE			VEHICLE SIGNAL				PEDESTRAN		
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	REMARKS
①	EX SL	22 81	358* 358*				69 86	15-COUNT 15-COUNT	SP-1-SF (12") SP-1 (22")	
2	EX SL	21 42	328*				28 89	1S-COUNT 1S-COUNT		
③ 	Ð/ S.	41 52	355*				29 48	15-COUNT 15-COUNT	SP-1-SF (12") SP-1 (22")	
②	EX SL	61 82	358° 358°				49 6 8	15-COUNT 15-COUNT	SP-1-SF (12") SP-1 (22")	
				-			ļ			
			The state of the s		-		i		*	
								i		
	DIACRAM	·								

PLANS ARE TO BE RETURNED WITH CORRECTIONS MADE AND CERTIFIED TO IN RED INK AND DATED BY THE INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.

Limitary C. Han 10/25/0

SIGNED-INSPECTOR

PHASE DIAGRAM

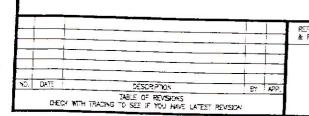


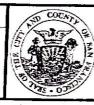


Date:

PHASE SEQUENCE

<u>-</u>	Y	R			PACIFIC AVE. (EB+WE)-#2+#6
F	?	G		Y R	MASON ST. (S8+NB)-\$4+68
WAX FRH		RH			PED XING MASON ST. (SS+NS)-2P+6P
R	н	Ww	FRH	P.H.	PED XING PACIFIC AVE (WS+ES)-4P+8P





BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

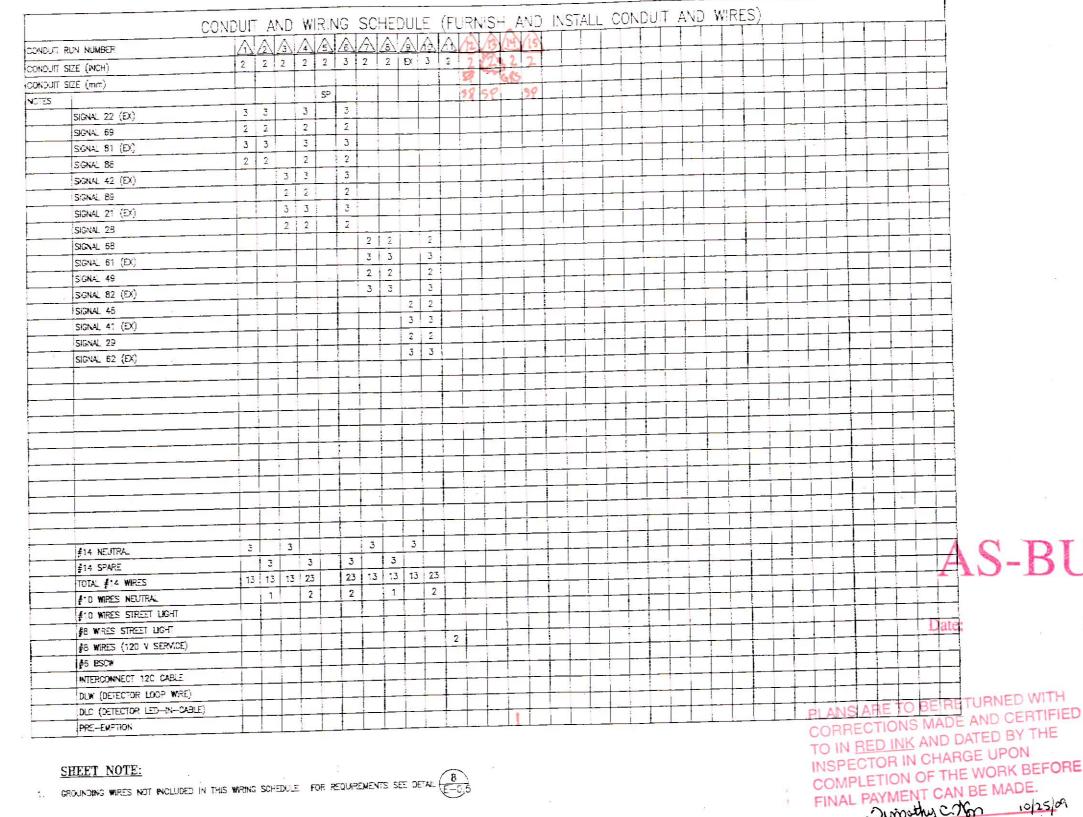
and the second	DESCRIPT:	DATE	
8 50 0 0 G	GD	10/07	0
6.00	DPAWN:	DATE	25
% Ex 11/21/06	CXT	10/07	~ 750
TA SETTE IS AS	CHECKET:	DATE	1
SF 02.11 107	BC of	10/07	=

DESIGNED:	DATE	APPROVED.
GD	10/07	Jana 12/18/07
DRAWN.	DATE	SECTION MANAGER DATE:
CXT	10/07	DEPLY SUPERU MANAGER DATE
CHECKET:	DATE	JEPUT BUREAU MANAGER JOATE
BC F	10/07	Jan Chin /11/00

CALE	
	CONTRACT 32
BACK	TRAFFIC SIGNAL MODIFICATIO
HEET OF SHEETS	
15 OF 78	MASON ST & PACIFIC AVE

MASON ST & PACIFIC AVE SCHEDULE

E-3.1



INSPECTOR IN CHARGE UPON COMPLETION OF THE WORK BEFORE FINAL PAYMENT CAN BE MADE.

Durnstry C.76 10/29

SIGNED-INSPECTOR

Krefer w.\09055.Contract#32 Traffic-Signal Medification/2_Onsign\Warking_Drowings\fftL\000 Tile Rick_1.dwg V\09055.Contract#32 Traffic-Signal Medification\Z_Design\Warking_Drowings\fftL\Drowings\fftl\Rick_1.dwg

REFERENCE INFORMATION & PILE NO. OF SURVEYS

DESCRIPTION TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION



BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO



	DESIDNED:	DATE	YbosiQAED
OFESS ICAN	EF	10/07	James - Swep 12
D. E.	09/4N:	DATE	SECTION MANAGER
E1625 /= /*	CXI	10/07	COLL STATE MANAGE
ECTE OF SE	CHECKED.	DATE	On chin 4
F CALLIZIONIO	BC (10/07	ETY ENGINEER

	SOLE
l	SHOW
ŀ	SHEET OF SHEETS
I	16 OF 78

CONTRACT 32 TRAFFIC SIGNAL MODIFICATIONS

MASON ST & PACIFIC AVE

PECIFICATION NO 0985. E-3.2 87,482 PEV. NO.

PED SIGNALS ACTIVATED ON: 5/5/09 AT 11:35 AM
ATTENTION BY: GERAUBHE TE LEW (DPT), PHONG NOUYEN (SIGNAL SHOP),
AND TIM WONCTON BOM)
DETAIL NOTE:

\mathbf{c} SON - PG&E Voult PACIFIC AVE F/I GUARD POST

- EX CONDUIT AND WIRING, R/C EX TS WIRING, EX SL WIRING TO REMAIN.
- AD R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- RETAIN EX SERVICE WIRES. SPLICE AND EXTEND TO NEW IC LOCATION. F/1 40A IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- EXTEND EX CABLE CAR PRE-EMPT WIRES TO NEW IC LOCATION. SPLICE WIRES IF NEEDED.
- CONTRACTOR SHALL F/I A STAINLESS STEEL LOCKABLE NEWA 4X ENCLOSURE BOX (12"H X 12"W X 6"D) ON EXTERIOR OF IC CABINET, CONTRACTOR SHALL MOUNT THE BOTTOM ON NEWA BOX AT A HEIGHT OF 48" ABOVE SIDEWALK GRADE. CONTRACTOR SHALL F/I A TERMINAL BLOCK WITH AT LEAST 12 POSITIONS INSIDE THE NEMA BOX. CONTRACTOR TO F/I A 2" GRSC NIPPLE BETWEEN BOXES TO ALLOW WIRES TO BE ROUTED BETWEEN NEMA BOX AND THE IC CABINET.

SHEET NOTES

14 OF 78

- 1. CONDUITS INSTALLED UNDER TRACKS SHALL BE INSTALLED BY JACKING, PUSHING OR PULLING.
- 2. CONDUITS SHALL BE INSTALLED UNDER CABLE TRACKS. SEE SSOPWSF SECTION 601.03 (TYPICAL). CONDUIT SHALL BE 4' TO 6' BELOW SURFACE. CONTRACTOR SHALL KEEP CABLE CAR PRE-EMPTION SYSTEM RUNNING DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY CABLE CAR OPERATIONS WILLEY TOM AT 415-307-8988. SEVEN DAYS PROIOR TO WORKING UNDER CAR TRACKS OF ACCESSING MUNI PULL BOX. PULL BOX CAN ONLY BE ACCESSED DURING NON-OPERATION HOURS (1:30 AM TO 4:30AM).
- CONTRACTOR AND HIS EMPLOYEES WHO WILL PERFORM WORK WITHIN 48" OF THE CABLE CAR TRACKS AT THIS INTERSECTION SHALL FIRST RECEIVE ON TRACK SAFETY TRAINING AND CERTIFICATE FROM THE MTA BEFORE STARTING THE WORK. CONTRACTOR SHALL SCHEDULE TRAINING BY CONTACTING NAPOLEON KHALILHAJI FROM THE MTA AT (415) 701-4679. CONTRACTOR SHALL SIGN A "HOLD HARMLESS" AGREEMENT WITH RESPECT TO THE SAFETY TRAINING (SEE CONTRACT SPECIFICATIONS). IN ADDITION TO THE SAFETY TRAINING, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE MUNI OPERATIONS CONTROL CENTER (OCC) BEFORE WORKING WITHIN 48" OF THE CABLE CAR TRACKS. MUNI OCC PERMIT APPLICATION PROCEDURE WILL BE DISCUSSED AS PART OF THE MTA SAFETY TRAINING.

THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

	ļ		╂—	\vdash	REFERENCE INFORMATION & FILE NO. OF SURVEYS
(i)	8/26/08	PCO (1: ADD GUARD POST AS SHOWN	.5	S.	
10.	DATE	DESCRIPTION	87	APP.	
	CHE	TABLE OF REVISIONS CK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION	 I		



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

	SELEN O	
*	No. E16286 Esp. 12/31/88	
	OF CALIF	

	DESIGNED:	DATE:	APPROVED
ls.	GD/EF	10/07	
	DRAMME	DATE:	SECTION MANAGER DATE
	CXL	10/07	DEPUTY BUREAU MANAGER DATI
	CHECKED:	DATE:	DEPOT BONDED STRUCK DATE
	BC	10/07	CITY ENGINEER DATE:

SCALE CONTRACT 32 AS SHOWN TRAFFIC SIGNAL MODIFICATIONS SHEET OF SHEETS

MASON ST & PACIFIC AVE

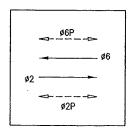
E - 3.0FILE NO. 87,480 REV. NO.

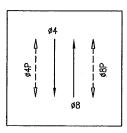
SPECIFICATION NO.

0985J

			POLE	AND EQU	IPMENT	SCHE	DULE		CONTRACT WO	RK IN BOLD
POLE TYPE OF POLE				VEHICLE SIGNAL				PEDESTRIAN	SIGNAL	REMARKS .
NO.		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	CANAMAN .
1	EX SL	22 81	358" 358"				69 88	15-COUNT 15-COUNT	SP-1-SF (12") SP-1 (22")	
2	EX SL	21 42	358" 358"				28 89	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")	
3	EX SL	41 62	358" 358"				29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
4	ex sl	61 82	3S8" 3S8"				49 68	15-COUNT 15-COUNT	SP-1-SF (12") SP-1 (22")	
-	-									
										· · · · · · · · · · · · · · · · · · ·
			•					}		

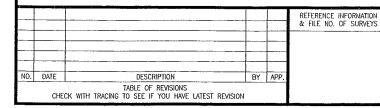
PHASE DIAGRAM





PHASE SEQUENCE

G Y R R WM FRH		Υ	R				PACIFIC AVE. (EB+WB)-Ø2+Ø6
			G		Υ	R	MASON ST. (SB+NB)-ø4+ø8
		RH	RH PED XING MASON ST. (SS+NS)-2P+		PED XING MASON ST. (SS+NS)-2P+6P		
RH			WM	FRH	F	₹Н	PED XING PACIFIC AVE (WS+ES)-4P+8P





BUREAU OF ENGINEER DEPARTMENT OF PUBLIC WOR CITY AND COUNTY OF SAN FRANC

RING	BED TER O. CO CO
RKS /	No. E16285 Exp. 12/31/08
CISCO	OF CALLED

DATE:	APPROVED
10/07	Januar Duch 12/18/07
DATE:	SECTION MANAGER DATE:
10/07	DEPUTY BUREAU MANAGER DATE:
DATE:	
10/07	CITY ENGINEER DATE:

	SCALE:
118/07 DATE:	NONE
R DATE:	SHEET OF SHEETS
11/08	15 OF 78

TRAFFIC	 ACT 32 MODIFIC	CATIONS
MASO	PACIFIC DULE	AVE

RAWING NO. E-3.1 87,481

SHEET NOTE:

GROUNDING WIRES NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS SEE DETAIL (E-0.5)



ᆫ					
					REFERENCE INFORMATION & FILE NO. OF SURVEYS
NO.	DATE	DESCRIPTION	RY	ADD	
	<u>-</u>	TABLE OF REVISIONS CK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION		I APP.	



BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO

OOFESS IS	DESIGNED:
PROFESSIONAL AS CAPE	EF
Mission W. Pall	DRAWN:
No. E16285 ★ Exp. 12/31/03	CXL
PARTECIAL FOR	CHECKED:
OF CAL 1507	BC FR

DATE:	APPROVED
10/07	Converse Divela 12/18/07
DATE:	SECTION MANAGER DATE:
10/07	DEPUTY BUREAU MANAGER (DATE:
DATE:	\bigcirc \downarrow \downarrow \downarrow
10/07	Chi /11/08 CITY ENGINEER DATE:

	SCALE:	
コ (シ	NONE	
28 [E:	SHEET OF SHEETS	
	16 OF 78	

	TRAFFIC	CONTRA SIGNAL		ATIONS
700	MASO	N ST &	PACIFIC	AVE

3	CIVIL OF CALLFORNIA 12/20/2007	
	SPECIFICATION NO.	
I	0985J DRAWING NO.	
	E-3.2	İ
	FILE NO.	l
	87,482 REV. NO.	
ı	VCA. 180.	