

PED SIGNALS ACTIVATED AS PART OF CT 32 ON 7/1/09

DETAIL NOTES:

- EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- EX CONDUIT AND WIRING. R/C EX WIRING EXCEPT 12/C.
- EX CONDUIT & WIRING. R/C EX T/S WIRING. EX SL WIRING & 12/C TO REMAIN.
- RETAIN EX SERVICE WPRES. SPICE AND EXTEND TO NEW IO LOCATION. R/ 40A IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- EXTEND 12/C INTERCONNECT TO NEW IO LOCATION. SPICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.

AS-BUILT

Date:

By:

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.

Samuel C. Han 10/25/09
SIGNED-INSPECTOR



NO.	DATE	DESCRIPTION	BY	APP.

CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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



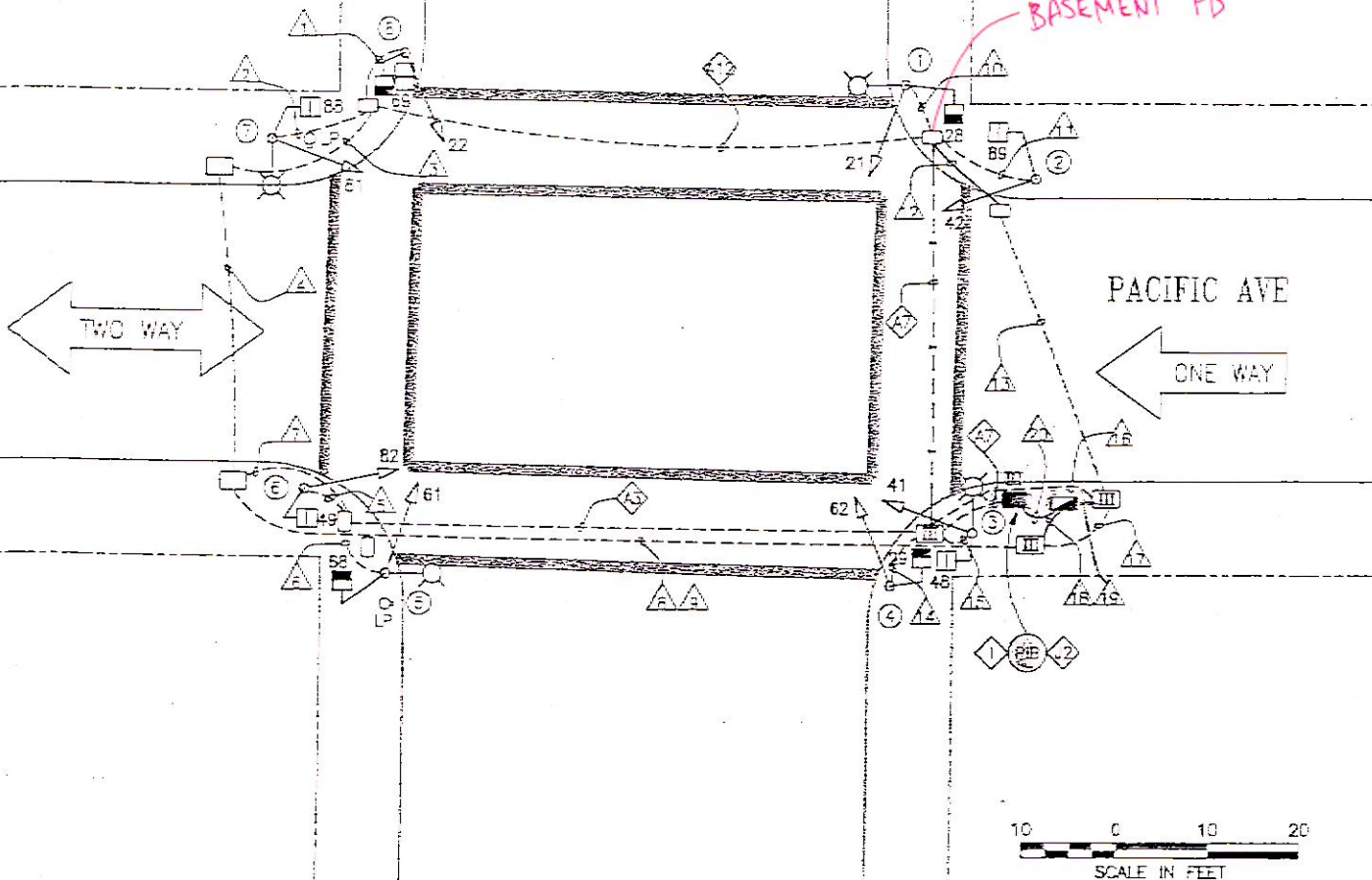
DESIGNED:	DATE:
GO/EF	10/07
DRAWN:	DATE:
CXL	10/07
CHECKED:	DATE:
BC	10/07

APPROVED:	DATE:
SECTION MANAGER	12/1/07
DEPUTY BUREAU MANAGER	1/10/08
CIVIL ENGINEER	DATE:

SCALE:
AS SHOWN
SHEET OF SHEETS
18 OF 78

CONTRACT 32 TRAFFIC SIGNAL MODIFICATIONS
PACIFIC AVE & POWELL ST

SPECIFICATION NO.	0925
DRAWING NO.	E-4.C
FILE NO.	87.483
REV. NO.	0



CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)

CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONDUIT SIZE (NCH)	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX
CONDUIT SIZE (mm)																				
NOTES																				
SIGNAL 69	2		2	2				2										2		
SIGNAL 22 (EX)	3		3	3				3										3		
SIGNAL 88 (EX)		2	2	2				2										2		
SIGNAL 81 (EX)		3	3	3				3										3		
SIGNAL 49 (EX)					2		2	2										2		
SIGNAL 82 (EX)					3		3	3										3		
SIGNAL 68						2	2	2										2		
SIGNAL 61 (EX)						3	3	3										3		
SIGNAL 21 (EX)									3		3	3					3	3		
SIGNAL 26									2		2	2					2	2		
SIGNAL 85 (EX)										2	2	2					2	2		
SIGNAL 42 (EX)										3	3	3					3	3		
SIGNAL 62 (EX)													3		3	3		3		
SIGNAL 25													2		2	2		2		
SIGNAL 41 (EX)														3	3	3		3		
SIGNAL 48 (EX)															2	2	2		2	
#14 NEUTRAL	2	2			2	2			2	2			2	2			3	3	3	
#14 SPARE			3	3			3	3			3	3			3	3	3			
TOTAL #14 WIRES	7	7	13	13	7	7	13	23	7	7	13	13	7	7	13	23	23	20		
#10 WIRES NEUTRAL			1	1			1	2			1	1			1	2	2	2		
#10 WIRES STREET LIGHT																				
#8 WIRES STREET LIGHT																				
#8 WIRES (120 V SERVICE)																			2	
#6 BSCW																				
INTERCONNECT 120 CABLE																				
DLW (DETECTOR LOOP WIRE)																				
DLC (DETECTOR LED-IN-CABLE)																				
PRE-EMPTION																				

AS-BUILT

Date: By: *Huf*

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.

Timothy C. M 10/25/09
SIGNED-INSPECTOR



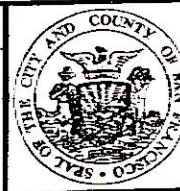
SHEET NOTE:

- GROUNDING WIRES NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS SEE DETAIL.

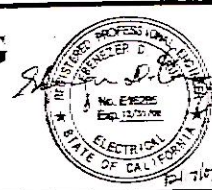
8
E-C-5

NO	DATE	DESCRIPTION	BY	APP

REFERENCE INFORMATION
& FILE NO. OF SURVEY



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

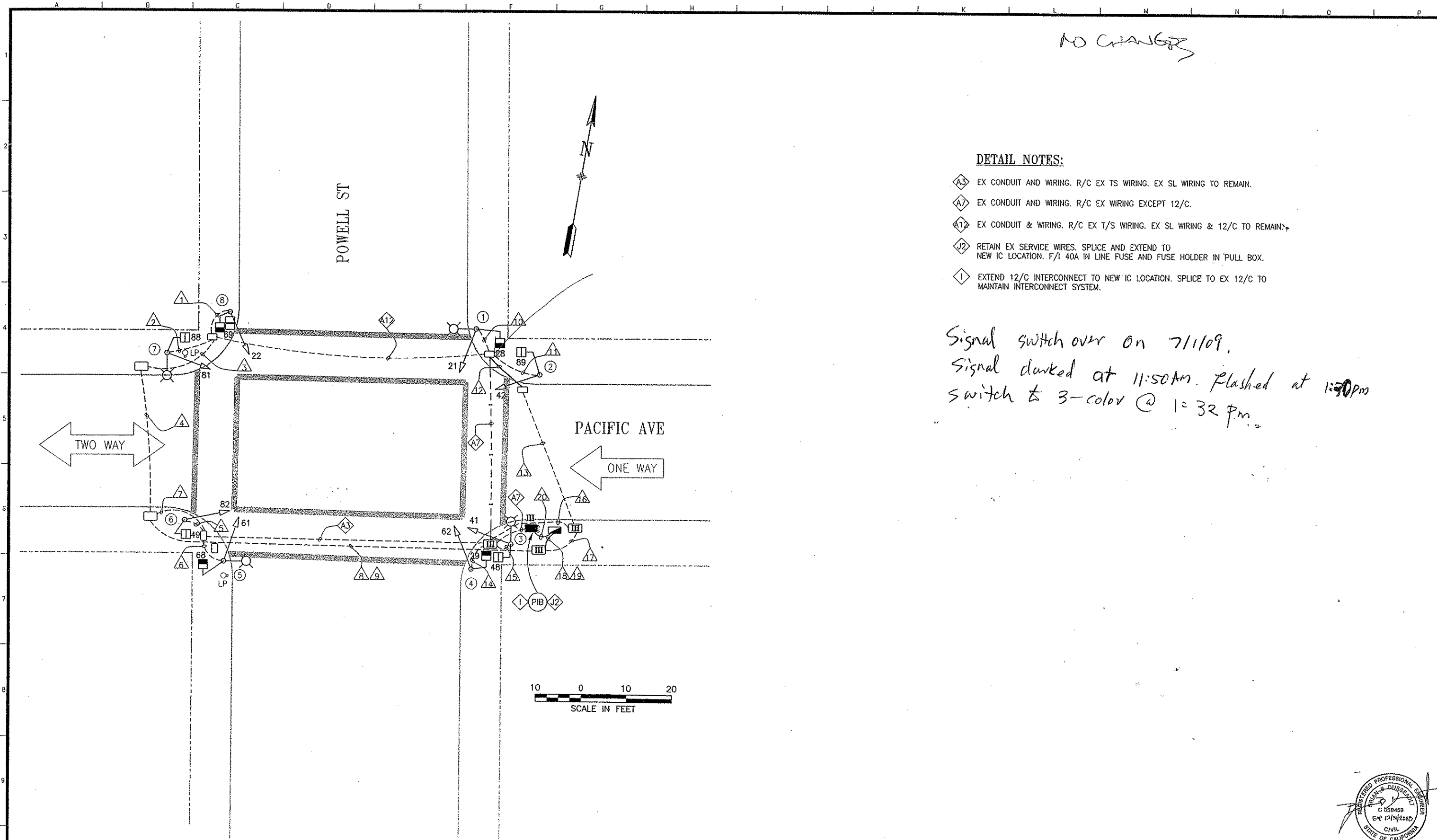


DESIGNED	DATE	APPROVED
EF	10/07	<i>Timothy C. M</i> 12/1/07
DRAWN	DATE	SECTION MANAGER
CXL	10/07	<i>M</i> 1/10/08
CHECKED	DATE	DEPUTY BUREAU MANAGER/DATE
BC	10/07	<i>Timothy C. M</i> 1/11/08
		CITY ENGINEER

SCALE
NONE
SHEET OF SHEETS
19 OF 78

CONTRACT 32 TRAFFIC SIGNAL MODIFICATIONS
PACIFIC AVE & POWELL ST SCHEDULE

SPECIFICATION NO. 09551
DRAWING NO. E-4.2
FILE NO. 87,435
REV. NO. 0



NO CHANGES

DETAIL NOTES:

- ⬡ A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- ⬡ A7 EX CONDUIT AND WIRING. R/C EX WIRING EXCEPT 12/C.
- ⬡ A12 EX CONDUIT & WIRING. R/C EX T/S WIRING. EX SL WIRING & 12/C TO REMAIN.
- ⬡ J2 RETAIN EX SERVICE WIRES. SPLICE AND EXTEND TO NEW IC LOCATION. F/I 40A IN LINE FUSE AND FUSE HOLDER IN PULL BOX.
- ⬡ 1 EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.

Signal switch over on 7/1/09.
Signal darked at 11:50AM. Flashed at 1:30pm
switch to 3-color @ 1:32pm.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



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



DESIGNED: DATE: 10/07
GD/EF
DRAWN: DATE: 10/07
CXL
CHECKED: DATE: 10/07
BC

APPROVED
SECTION MANAGER
DEPUTY BUREAU MANAGER
CITY ENGINEER

SCALE:
AS SHOWN
SHEET OF SHEETS
18 OF 78

CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS
PACIFIC AVE & POWELL ST

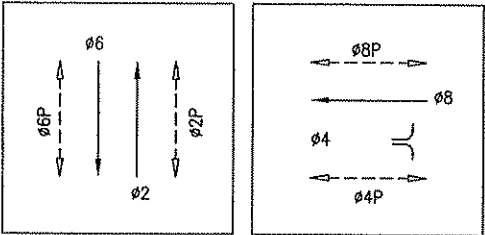
SPECIFICATION NO.
0985J
DRAWING NO.
E-4.0
FILE NO.
87,483
REV. NO.
0

Xrefs: V:\0985J_Contract\32_Traffic-Signal-Modification\2_Design\Working_Drawings\EEL\B01 Title Block.dwg
V:\0985J_Contract\32_Traffic-Signal-Modification\2_Design\Working_Drawings\EEL\Drawings for B01.dwg
Model Units: Feet
Drawing Path: V:\0985J_Contract\32_Traffic-Signal-Modification\2_Design\Working_Drawings\EEL\Drawings for B01.dwg
Plot Time: Wed, 12 Dec 2007 - 10:42am

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
		No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	EX SL	21	3S8"				28	1S-COUNT	SP-1	
②	EX 1-A (6")	42	3S8" 4S*				89	1S-COUNT		
③	EX SL	41	3S8" 4S*				48	1S-COUNT		
④	EX 1-B (10')	62	3S8"				29	1S-COUNT	SP-1	
⑤	EX SL	61	3S8"				68	1S-COUNT	SP-1	
⑥	EX 1-A (10')	82	3S8"				49	1S-COUNT		
⑦	EX SL	81	3S8"				88	1S-COUNT		
⑧	EX 1-A (10')	22	3S8"				69	1S-COUNT	SP-1	

* 2S8" + 1S12"LA + 1612"RA

PHASE DIAGRAM



PHASE SEQUENCE

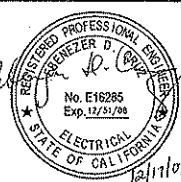
G		Y	R			POWELL AVE.(NB+SB)-02+06	
R			G		Y	R	PACIFIC AVE.(EB+WB)-04+08
WM		FRH	RH			PED XING PACIFIC AVE.(ES+WS)-02P+06P	
RH			WM		FRH	RH	PED XING POWELL AVE.(SS+NS)-04P+08P

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

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DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



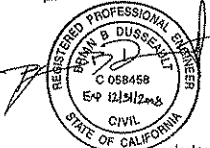
DESIGNED: DATE: 10/07
GD
DRAWN: DATE: 10/07
CXL
CHECKED: DATE: 10/07
BC

APPROVED
SECTION MANAGER
DEPUTY BUREAU MANAGER
DATE: 12/18/07
DATE: 1/16/08
DATE:

SCALE:
NONE
SHEET OF SHEETS
18 OF 78

CONTRACT 32
TRAFFIC SIGNAL MODIFICATIONS
PACIFIC AVE & POWELL ST
SCHEDULE

SPECIFICATION NO.
0985J
DRAWING NO.
E-4.1
FILE NO.
87,484
REV. NO.



Drawing Path: V:\0985J_Contract\32-Traffic Signal Modifications\2-Design\Working Drawings\0985J.dwg Title Block: 1.dwg
Plot Time: Wed, 12 Dec 2007 10:13am
Measurement Units: Feet
Model Units: Feet

[illegible]

1. GROUNDING WIRES NOT INCLUDED IN THIS WIRING SCHEDULE. FOR REQUIREMENTS SEE DETAIL

8
E-0,5

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



REGISTERED PROFESSIONAL ENGINEER
EUGENE D. CRUZ
No. E16285
Exp. 12/31/06
ELECTRICAL
STATE OF CALIFORNIA

APPROVED

James J. Smith 12/18/07
SECTION MANAGER DATE:

M. H. 1/10/08
DEPUTY BUREAU MANAGER DATE:

John C. Smith 4/11/08
CITY ENGINEER DATE:

PACIFIC AVE & POWELL ST
SCHEDULE

SPECIFICATION NO.	0985J
DRAWING NO.	E-4.2
FILE NO.	87,485
REV. NO.	0

