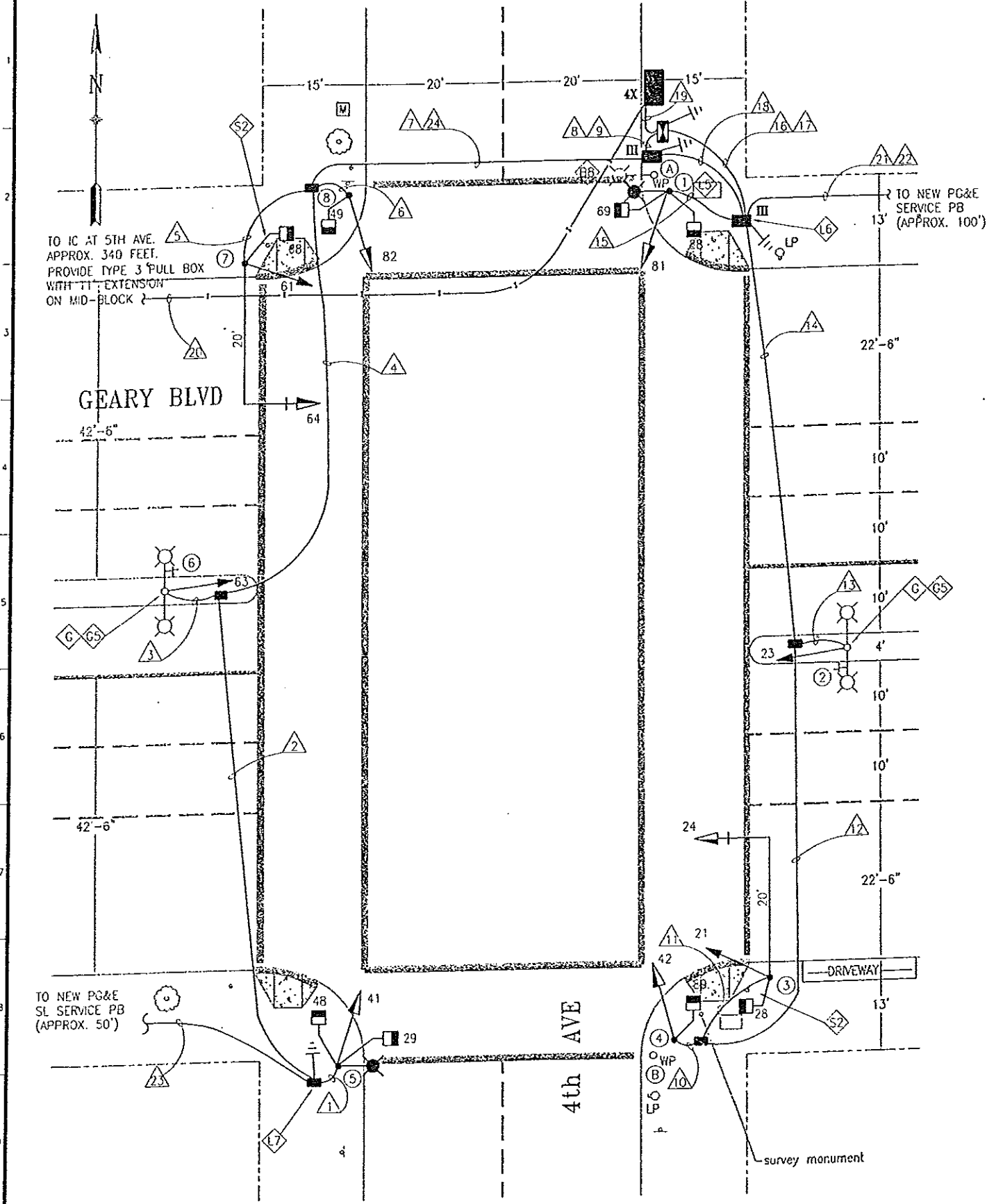
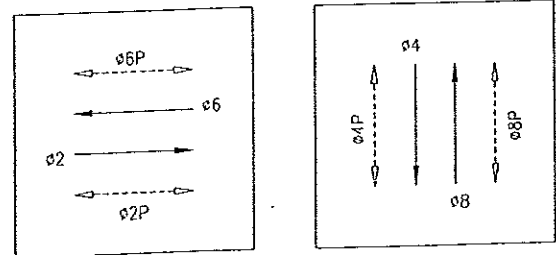




PHASE DIAGRAM:



PHASES 2 & 6 PHASES 4 & 8

SHEET NOTE:

1. THE CONTRACTOR TO PROVIDE 6' SLACK OF MAIN DETECTOR CABLE IN THE CONTROLLER AND 3' SLACK IN EACH PULLBOX ALONG ITS RUN. EXTEND THE CABLE 2' AT THE END OF THE MEDIAN STREET LIGHT LUMINAIRE ARM AND PVC TIE WRAP.

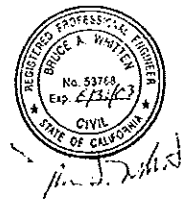
DETAIL NOTES:

- 58 THE CONTRACTOR TO NOTIFY RAY YAMAGISHI OF BLHP @ 554-0728 AFTER INSTALLING THE STREET LIGHTS TO DISCONNECT POWER AND AND EX LUMINAIRE ON PG&E WOODEN POLE.
- G CAREFULLY DRILL POLE AND INSTALL CONDUIT NIPPLE FOR THE TRAFFIC SIGNAL WIRING ENTRY. AVOID DAMAGE TO THE POLES REINFORCING STEEL. USE NON SHRINK GROUT TO GROUT AROUND CONDUIT NIPPLE TO PROVIDE A WATERTIGHT SEAL. F/I SUITABLE CLAMP TO SUPPORT SIGNAL ON OCTAGONAL POLE.
- 65 CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF CONCRETE STANDARD AND REPAIR AFTER INSTALLATION. AVOID DAMAGE TO THE POLE REINFORCING STEEL.
- 5 STREET LIGHT IS TO BE F/I UNDER/NEAR OVERHEAD UTILITY WIRES. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANIES TO PROVIDE NECESSARY SAFETY MEASURES FOR THE CONTRACTOR'S INSTALLATION OF THE STREET LIGHT POLE AND FOR THE CITY'S FUTURE MAINTENANCE OF THE STREET LIGHTS AFTER THIS PROJECT IS COMPLETED. ALL COORDINATION WITH THE UTILITY COMPANIES SHALL BE CONSIDERED AS INCIDENTAL WORK.
- 16 F/I FUSES AND FUSEHOLDERS TO SEPARATE SERVICES FOR THE I.C. AND STREET LIGHT. FOR FUSES AND FUSEHOLDERS, SEE SPDPWSF FILE #49,092.
- 17 F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR STREET LIGHT SERVICE. F/I GROUND ROD.
- 52 THE CONTRACTOR TO R/S SIGN POLE ON SE/NW CORNERS AND RETURN TO DPT SIGN SHOP.

TWIN-ON: 4-13-04 1100
(ON FLASH)
SHEAF: W2, LM
CARGO: ET

3-CLOCK OF: 4/16/04
PHASE SEQUENCE:

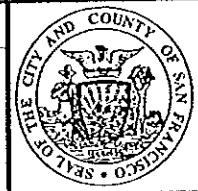
G	Y	R	GEARY BLVD
R		G	4TH AVE
RH		WM	PEDS XING GEARY BLVD
WM	FRH	RH	PEDS XING 4TH AVE



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

Handwritten signature

DESIGNED:	DATE:	APPROVED:
DSB/RO	10/01	<i>Handwritten signature</i> 11/9/01
DRAWN:	DATE:	SECTION MANAGER:
JE/VW	10/01	<i>Handwritten signature</i> 11/9/01
CHECKED:	DATE:	DIVISION MANAGER:
SL/BW	10/01	<i>Handwritten signature</i> 11/9/01
		CITY ENGINEER:

SCALE:
1"=10'
SHEET OF SHEETS
31 OF 51

GEARY BOULEVARD PAVEMENT RENOVATION
4TH AVE & GEARY BLVD (NEW) TRAFFIC SIGNAL WORK

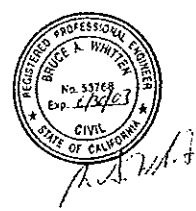
SPECIFICATION NO.	2019N
DRAWING NO.	E-8.0
FILE NO.	78.367
REV. NO.	

CONDUIT AND WIRING SCHEDULE																												
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
CONDUIT SIZE (INCH)	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2	3	2	2	3	(4)2	1.5	1.5	1.5	2				
NOTES								P	P							P	P	P	P	O								
#14 WIRES																												
SIGNAL 48	2	2		2			2	2																				
SIGNAL 41	3	3		3			3	3																				
SIGNAL 29	2	2		2			2	2																				
SIGNAL 63			3	3			3	3																	2			
SIGNAL 68					2			2																	3			
SIGNAL 61					3			3																	3			
SIGNAL 64					3			3																	3			
SIGNAL 82						3		3																	3			
SIGNAL 49						2		2																	2			
SIGNAL 42										3		3		3		3												
SIGNAL 89										2		2		2		2												
SIGNAL 28											2	2		2		2												
SIGNAL 21											3	3		3		3												
SIGNAL 24											3	3		3		3												
SIGNAL 23												3	3		3		3											
SIGNAL 86															2	2												
SIGNAL 81																3	3											
SIGNAL 69																2	2											

POLE AND EQUIPMENT SCHEDULE										
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS
		VOLTAGE/ WATTS	No.	TYPE	MOUNTING	VISORS	No.	TYPE	MOUNTING	
①	CITY STANDARD SL WITH 6' LUMINAIRE ARM	240/100 B2	81	3S12"	SV-1-T	T	69 88	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
②	EX SL		23	3S8"	SV-1	T				
③	16-1-70 W/ 20' MASTARM		24 21	3S12" 3S8"	MAS SV-1-T	T T	28	1S-COUNT	SP-1	BACKPLATE
④	1-A (10')		42	3S12"	TV-1-T	T	89	1S-COUNT	SP-1	
⑤	CITY STANDARD SL WITH 6' LUMINAIRE ARM	240/100 B2	41	3S12"	SV-1-T	T	29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
⑥	EX SL		63	3S8"	SV-1	T				
⑦	16-1-70 W/ 20' MASTARM		64 61	3S12" 3S8"	MAS SV-1-T	T T	68	1S-COUNT	SP-1	BACKPLATE
⑧	1-A (10')		82	3S12"	TV-1-T	T	49	1S-COUNT	SP-1	
⑨	UTILITY/WOOD/SL									
⑩	UTILITY/WOOD									

DETAIL NOTES:

- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDPWSF FILE #49.052.
- P POLYVINYL CHLORIDE (PVC) CONDUIT SCHEDULE 80.
- O HIGH DENSITY POLYETHYLENE CONDUIT (HDPE) SCHEDULE 80 WITH NYLON PULL TAPE.



NO. DATE DESCRIPTION BY APP.		REFERENCE INFORMATION & FILE NO. OF SURVEYS				BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO		DESIGNED: DATE: 10/01 DSB/RO: 10/01 DRAWN: DATE: 10/31/01 JE/VW: 10/01 CHECKED: DATE: 10/31/01 SL/BW: 10/01		APPROVED: DATE: 10/31/01 SECTION MANAGER: 10/31/01 DIVISION MANAGER: 10/31/01 CITY ENGINEER: 10/31/01		SCALE: NONE SHEET OF SHEETS: 32 OF 51		GEARY BOULEVARD PAVEMENT RENOVATION 4TH AVE & GEARY BLVD TRAFFIC SIGNAL WORK (SCHEDULES)		SPECIFICATION NO. 2019N DRAWING NO. E-8.1 FILE NO. 78,368 REV. NO.	
------------------------------	--	---	--	--	--	--	--	--	--	--	--	--	--	---	--	---	--