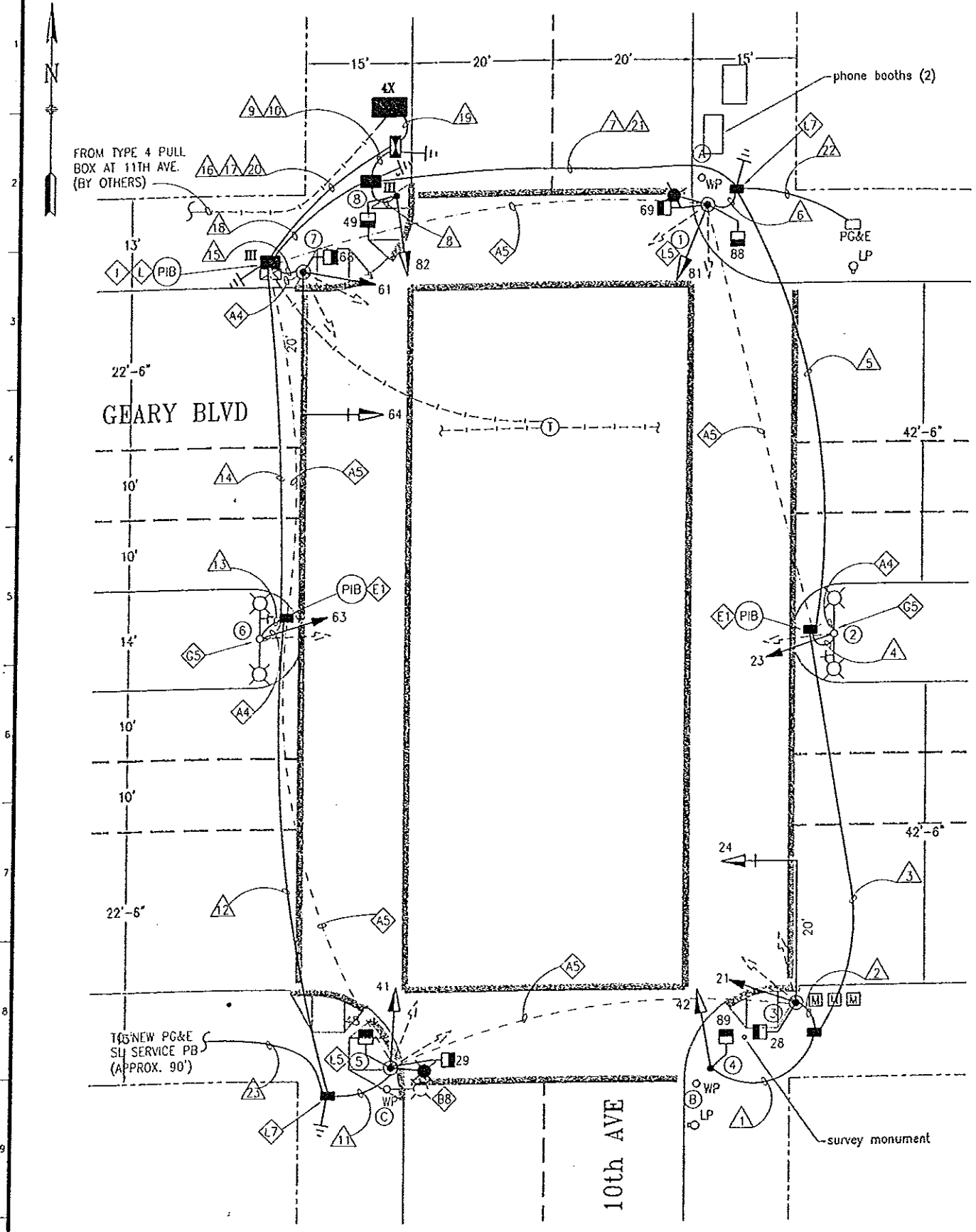
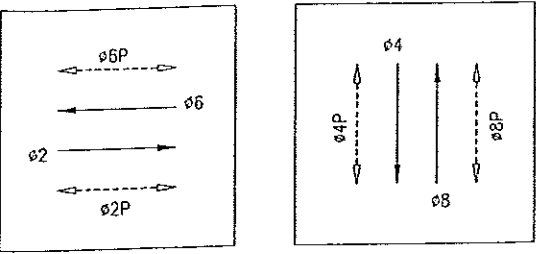


SWITCHED OVER 4/22/04



PHASE DIAGRAM:



PHASES 2 & 6 PHASES 4 & 8

PHASE SEQUENCE:

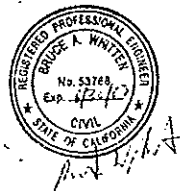
G	Y	R	GEARY BLVD
R		G	10TH AVE
RH		WM	PEDS XING GEARY BLVD
WM	FRH	RH	PEDS XING 10TH AVE

SHEET NOTE:

1. THE CONTRACTOR TO PROVIDE 6' SLACK OF MUNI 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.

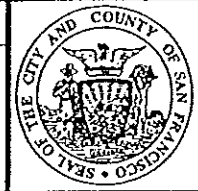
DETAIL NOTES:

- A4 R/C EX CONDUIT AND WIRING. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP END(S).
- B3 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.
- E1 R/C EX PULL BOX. R/S EX METAL COVER. REPAIR SIDEWALK TO MATCH EX.
- G5 CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF CONCRETE STANDARD AND REPAIR AFTER INSTALLATION. AVOID DAMAGE TO THE POLE REINFORCING STEEL.
- I EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- L F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO EX PG&E SERVICE TO SUPPORT NEW IC. F/I GROUND ROD.
- S 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.
- S F/I IN-LINE FUSE HOLDER W/ 40A FUSE FOR STREET LIGHT SERVICE. F/I GROUND ROD.



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: 10/01
DSB/RO
DRAWN: DATE: 10/01
JE/VW
CHECKED: DATE: 11/01
SL/BW

APPROVED: DATE: 11/9/01
SECTION MANAGER
DATE: 11/9/01
DIVISION MANAGER
DATE: 11/9/01
CITY ENGINEER

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

GEARY BOULEVARD
PAVEMENT RENOVATION
10TH AVE & GEARY BLVD
TRAFFIC SIGNAL WORK

SPECIFICATION NO.
2019N
DRAWING NO.
E-14.0
FILE NO.
78.379
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			
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2	(2)2	2	2	1.5	1.5			
NOTES									P	P						P	P	P	P _{SP}	P						
#14 WIRES																										
SIGNAL 42	3		3		3		3		3																	
SIGNAL 89	2		2		2		2		2																	
SIGNAL 28		2	2		2		2		2																	
SIGNAL 21		3	3		3		3		3																	
SIGNAL 24		3	3		3		3		3																	
SIGNAL 23				3	3		3		3																	
SIGNAL 88						2			2													2				
SIGNAL 81						3			3													3				
SIGNAL 69						2			2													2				
SIGNAL 82								3	3																	
SIGNAL 49						2	2		2																	
SIGNAL 48										2	2			2		2										
SIGNAL 41										3	3			3		3										
SIGNAL 29										2	2			2		2										
SIGNAL 63												3	3			3										
SIGNAL 68															2	2										
SIGNAL 61															3	3										
SIGNAL 64															3	3										
#14 WIRES (NEUTRAL)	2	3		1		3		2		3		1		3												
#14 WIRES (SPARE)			3		3				3			3		3		3						3				
TOTAL #14 WIRES	7	11	16	4	19	10	16	7	31		10	10	4	13	11	21					10					
#10 WIRES NEUTRAL			1		1		1		3			1		1		2					1					
#8 WIRES (120V SERVICE)																				2						
#6 BSCW									1							1				1						
#8 WIRES (ST. LIGHT)																						2	2			
#10 WIRES (ST. LIGHT)						2				2																
12/C INTERCONNECT																	2									
1/4" PULL ROPE			1		1		1					1		1							1					
DETECTOR CABLE (MUNI)				1	1		1		1					1		1										

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	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	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									
⑩	UTILITY/WOOD									
⑪	UTILITY/WOOD/SL									

DETAIL NOTES:

- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SPDPWSF FILE #49,092.
- P POLYVINYL CHLORIDE (PVC) CONDUIT SCHEDULE 80.



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: 10/01 OSB/RO 10/01 DRAWN: DATE: 10/01 JE/VW 10/01 CHECKED: DATE: 10/01 SL/BW 10/01 APPROVED: 10/10/01 SECTION MANAGER: 10/3/01 DIVISION MANAGER: 10/01 CITY ENGINEER: 10/01	SCALE: NONE SHEET OF SHEETS: 44 OF 51	GEARY BOULEVARD PAVEMENT RENOVATION 10TH AVE & GEARY BLVD TRAFFIC SIGNAL WORK (SCHEDULES)	SPECIFICATION NO. 2019N DRAWING NO. E-14.1 FILE NO. 70,380 REV. NO.
---	--	--	--	--	--	--	--	--