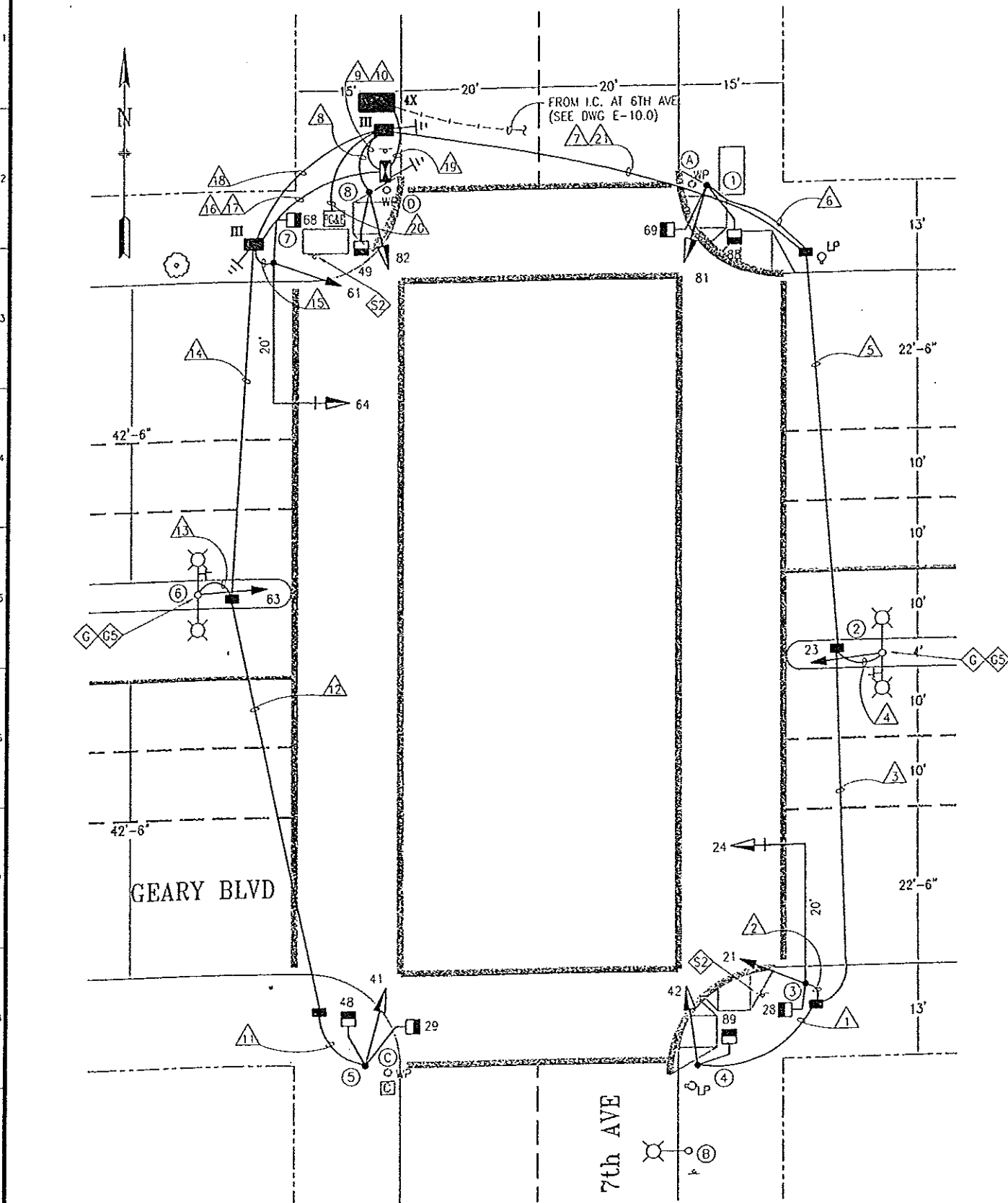
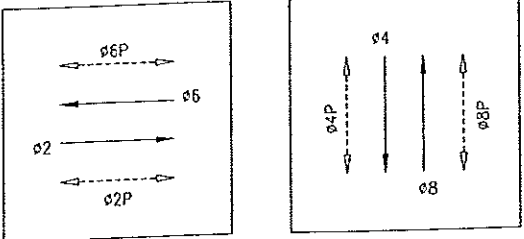




PHASE DIAGRAM:



PHASES 2 & 6 PHASES 4 & 8

PHASE SEQUENCE:

G	Y	R	GEARY BLVD
R		G	7TH AVE
RH		WM	PEDS XING GEARY BLVD
WM	FRH	RH	PEDS XING 7TH AVE

ENERGIZED 4/20/04
3-COLOR OPERATION 4/23/04

SHEET NOTE:

- 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:

- 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.
- CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF CONCRETE STANDARD AND REPAIR AFTER INSTALLATION. AVOID DAMAGE TO THE POLE REINFORCING STEEL.
- THE CONTRACTOR TO R/S SIGN POLE ON SE CORNER AND RETURN TO DPT SIGN SHOP.



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 10/01 DRAWN: DATE: 10/01 JE/VN 10/01 CHECKED: DATE: 11/01 SL/BW 10/01	APPROVED: DATE: 11/01 SECTION MANAGER DATE: 11/01 DIVISION MANAGER DATE: 11/01 CITY ENGINEER	SCALE: 1"=10' SHEET OF SHEETS: 37 of 51	GEARY BOULEVARD PAVEMENT RENOVATION 7TH AVE & GEARY BLVD (NEW) TRAFFIC SIGNAL WORK	SPECIFICATION NO. 2019N DRAWING NO. E-11.0 FILE NO. 78.373 REV. NO.
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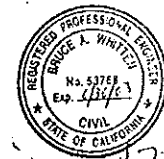
CONDUIT AND WIRING SCHEDULE																							
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2	3	2	2	2	
NOTES									P	P						P	P _{Sp}	P	P				
#14 WIRES																							
SIGNAL 42	3		3		3		3		3														
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														
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			1		3		2			3		1		3							3	
#14 WIRES (SPARE)			3		3				3			3		3		3						10	
TOTAL #14 WIRES	7	8	16	4	19	10	16	7	31		10	10	4	13	11	21						1	
#10 WIRES NEUTRAL			1		1		1		3			1		1		2					2		
#8 WIRES (120V SERVICE)										2											1		
#6 BSCW									1	1						1							
12/C INTERCONNECT					1		1					1		1								1	
1/4" PULL ROPE			1				1		1					1	1		1						
DETECTOR CABLE (MUNI)				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	1-A (10')		81	3S12"	TV-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	1-A (10')		41	3S12"	TV-1-T	T	29 48	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	
⑥	EX SL		63	3S3"	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									
⑩										
Ⓐ	UTILITY/WOOD/SL									
Ⓑ	UTILITY/WOOD									
Ⓒ	UTILITY/WOOD									
Ⓓ	UTILITY/WOOD									

DETAIL NOTES:

 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SDPWSF FILE #49,092.

 POLYVINYL CHLORIDE (PVC) CONDUIT SCHEDULE 80.



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: DSB/RO 10/01 DRAWN: DATE: JE/VW 10/01 CHECKED: DATE: SL/BW 10/01	APPROVED: DATE: 10/10/01 SECTION MANAGER: DATE: 10/10/01 DIVISION MANAGER: DATE: 10/10/01 CITY ENGINEER: DATE:	SCALE: NONE SHEET OF SHEETS: 38 of 51	GEARY BOULEVARD PAVEMENT RENOVATION 7TH AVE & GEARY BLVE TRAFFIC SIGNAL WORK (SCHEDULES)	SPECIFICATION NO. 2019N DRAWING NO. E-11.1 FILE NO. 78,374 REV. NO.
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