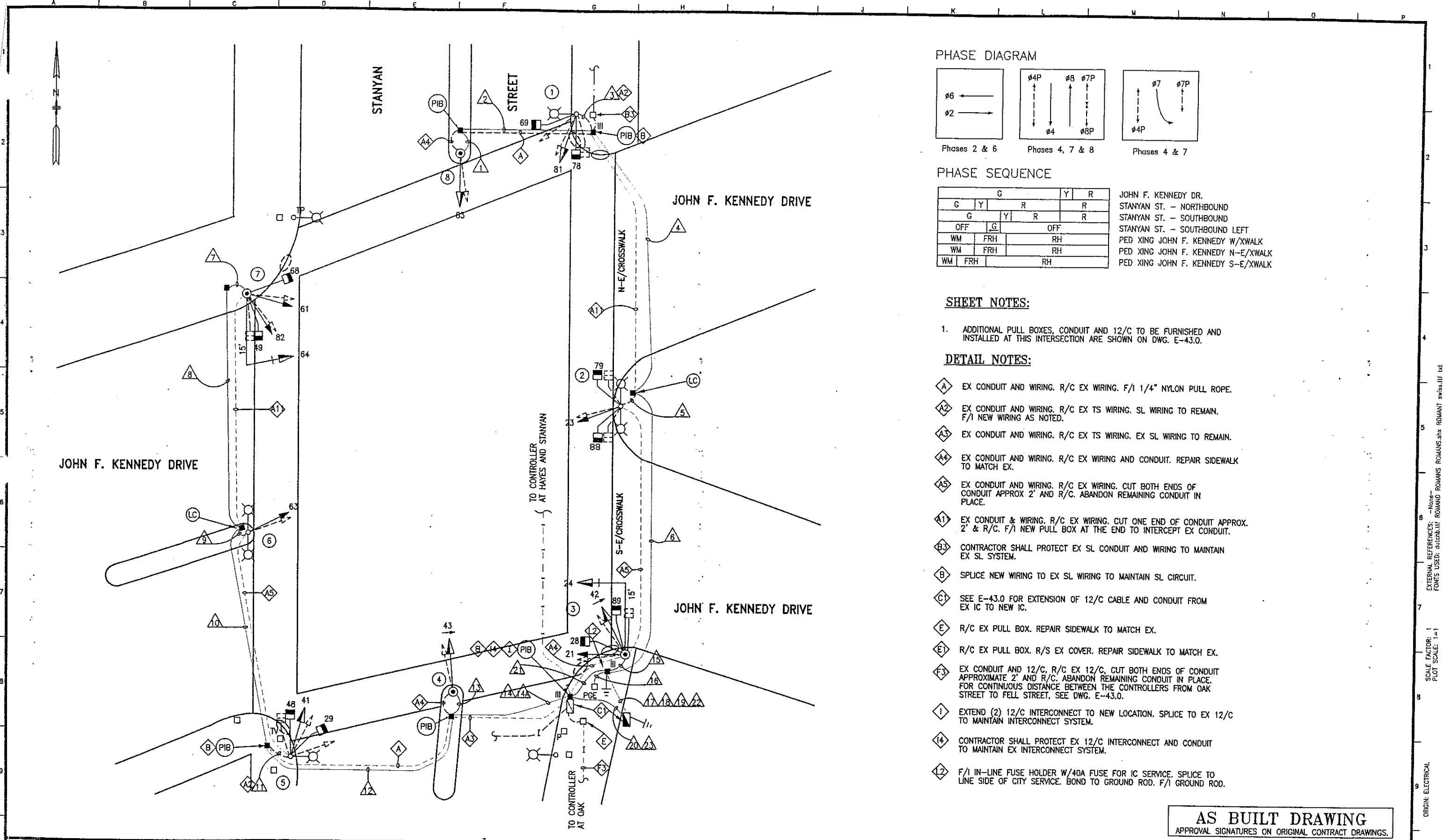
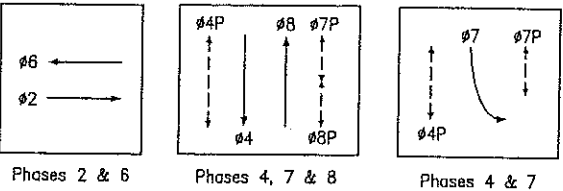




PHASE DIAGRAM



PHASE SEQUENCE

G		Y		R	
G	Y	R	R	R	R
OFF	G	OFF	OFF	OFF	OFF
WM	FRH		RH		
WM	FRH		RH		
WM	FRH		RH		

JOHN F. KENNEDY DR.
STANYAN ST. - NORTHBOUND
STANYAN ST. - SOUTHBOUND
STANYAN ST. - SOUTHBOUND LEFT
PED XING JOHN F. KENNEDY W/XWALK
PED XING JOHN F. KENNEDY N-E/XWALK
PED XING JOHN F. KENNEDY S-E/XWALK

SHEET NOTES:

1. ADDITIONAL PULL BOXES, CONDUIT AND 12/C TO BE FURNISHED AND INSTALLED AT THIS INTERSECTION ARE SHOWN ON DWG. E-43.0.

DETAIL NOTES:

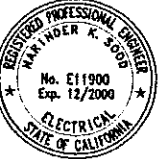
- A EX CONDUIT AND WIRING. R/C EX WIRING. F/I 1/4" NYLON PULL ROPE.
- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. EX SL WIRING TO REMAIN.
- A4 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT BOTH ENDS OF CONDUIT APPROX 2' AND R/C. ABANDON REMAINING CONDUIT IN PLACE.
- A1 EX CONDUIT & WIRING. R/C EX WIRING. CUT ONE END OF CONDUIT APPROX. 2' & R/C. F/I NEW PULL BOX AT THE END TO INTERCEPT EX CONDUIT.
- B3 CONTRACTOR SHALL PROTECT EX SL CONDUIT AND WIRING TO MAINTAIN EX SL SYSTEM.
- B SPLICE NEW WIRING TO EX SL WIRING TO MAINTAIN SL CIRCUIT.
- C SEE E-43.0 FOR EXTENSION OF 12/C CABLE AND CONDUIT FROM EX IC TO NEW IC.
- E R/C EX PULL BOX. REPAIR SIDEWALK TO MATCH EX.
- E1 R/C EX PULL BOX. R/S EX COVER. REPAIR SIDEWALK TO MATCH EX.
- F3 EX CONDUIT AND 12/C, R/C EX 12/C, CUT BOTH ENDS OF CONDUIT APPROXIMATE 2' AND R/C. ABANDON REMAINING CONDUIT IN PLACE. FOR CONTINUOUS DISTANCE BETWEEN THE CONTROLLERS FROM OAK STREET TO FELL STREET, SEE DWG. E-43.0.
- I EXTEND (2) 12/C INTERCONNECT TO NEW LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- I4 CONTRACTOR SHALL PROTECT EX 12/C INTERCONNECT AND CONDUIT TO MAINTAIN EX INTERCONNECT SYSTEM.
- I2 F/I IN-LINE FUSE HOLDER W/40A FUSE FOR IC SERVICE. SPLICE TO LINE SIDE OF CITY SERVICE. BOND TO GROUND ROD. F/I GROUND ROD.

AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

NO.	DATE	DESCRIPTION	BY	APP.
5/03		AS-BUILT	DW	SL
5/01		CHANGE ORDER #3 MSF-HOMERUN	JP	SL
4/01		CHANGE ORDER #3	JE	SL
2/00		ISSUED FOR BID	EF	NKS
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



DESIGNED: DATE: DVS/MJ 02/00	APPROVED: DATE: SECTION MANAGER DATE: DIVISION MANAGER DATE: CITY ENGINEER DATE:	SCALE: 1"=10'	SHEET OF SHEETS: 84 OF 89	OAK AND FELL STREETS TRAFFIC SIGNAL UPGRADE JFK DRIVE AND STANYAN STREET	SPECIFICATION NO. 1660N DRAWING NO. E-42.0 FILE NO. 74225 REV. NO. 0
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EXTERNAL REFERENCES: -None-
FONTS USED: Autocad,ifd ROMAN ROMANS ROMANS.shx ROMAN Swiss III.txt
SCALE FACTOR: 1
PLOT SCALE: 1"=1'
ORIGIN: ELECTRICAL
FILE NAME: E-42-0.dwg
DATE: Jun 25 1999 10:11

CONDUIT AND WIRING SCHEDULE

CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	14A	15	16	17	18	19	20	21	22	23	
CONDUIT SIZE IN INCHES (MM)		2 (53)	2 (53)	EX	2 (53)	EX	2 (53)	2 (53)	2 (53)	EX	2 (53)	EX	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	2 (53)	2 (53)	
NOTES				A2						A2		A2												C.O. SP	C.O. SP	
WIRING (F/I)	#14 WIRES																									
	SIGNAL 83	3	3		3		3												3							
	SIGNAL 78			2	2		2												2							
	SIGNAL 81			3	3		3												3							
	SIGNAL 23					3	3												3							
	SIGNAL 79					2	2												2							
	SIGNAL 88					2	2												2							
	SIGNAL 49							2	2		2		2			2						2				
	SIGNAL 61							3	3		3		3			3						3				
	SIGNAL 64							3	3		3		3			3						3				
	SIGNAL 82							3	3		3		3			3						3				
	SIGNAL 63									3	3		3			3						3				
	SIGNAL 41											3	3			3						3				
	SIGNAL 48											2	2			2						2				
	SIGNAL 43														4	4						4				
	SIGNAL 21																3			3						
	SIGNAL 24																3			3						
	SIGNAL 42																4			4						
	SIGNAL 89																2			2						
	SIGNAL 28																2			2						
	SIGNAL 29										2	2		2		2							2			
	SIGNAL 68							2	2			2		2		2							2			
	SIGNAL 69			2	2		2												2							
						</																				

POLE AND EQUIPMENT SCHEDULE

POLE ID	POLES TYPE	LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICULAR SIGNALS			PEDESTRIAN SIGNALS			REMARKS
			NO	TYPE	MOUNTING (F/I)	NO	TYPE	MOUNTING (F/I)	
1	EX STREETLIGHT	150W	81	3S12"	SV-1-T	78	1S-IN	SP-1	
2	EX MARBLELITE STREETLIGHT	150W	23	3S8"	SV-1-T	79	1S-IN	SP-1	
3	16-1-70 15' MASTARM		21	3S8"	SV-2-T-SF	89	1S-IN	SP-1	BACKPLATE
			24	3S12"	MAS	28	1S-IN	SP-1	
4	1-A (10')		43	4S12"LA	TV-1-T				
5	EX STREETLIGHT	150W	41	3S12"	SV-1-T	48	1S-IN	SP-1	
						29	1S-IN	SP-1	
6	EX MARBLELITE STREETLIGHT	150W	63	3S8"	SV-1-T				
7	16-1-70 15' MASTARM		61	3S8"	SV-2-TA	49	1S-IN	SP-1	BACKPLATE
			64	3S12"	MAS	68	1S-IN	SP-1	
8	1-A (10')		83	3S12"	TV-1-T				

DETAIL NOTES:

A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.

AS BUILT DRAWING

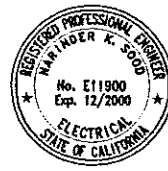
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	ISSUED FOR BID		EF	NKS

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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



DESIGNED: DATE: DVS/MJ 02/00
DRAWN: DATE: MJ 02/00
CHECKED: DATE: NKS 02/00

APPROVED
SECTION MANAGER DATE:
DIVISION MANAGER DATE:
CITY ENGINEER DATE:

SCALE: NONE
SHEET OF SHEETS: 85 OF 89

OAK AND FELL STREETS
TRAFFIC SIGNAL UPGRADE

JFK DRIVE AND STANYAN STREET SCHEDULES

SPECIFICATION NO. 1660N
DRAWING NO. E-42.1
FILE NO. 74226
REV. NO. 0

EXTERNAL REFERENCES: XREFS
FONTS USED: FONTS

SCALE FACTOR: XX
PLOT SCALE: 1=1

ORIGIN: ELECTRICAL

FILE NAME: E-42.1
DATE: --/--/--