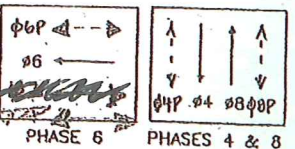


SFC 2011 - 062
Date completed 5/5/11

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R
R	G	Y
FRH	RH	
RH	FRH	RH

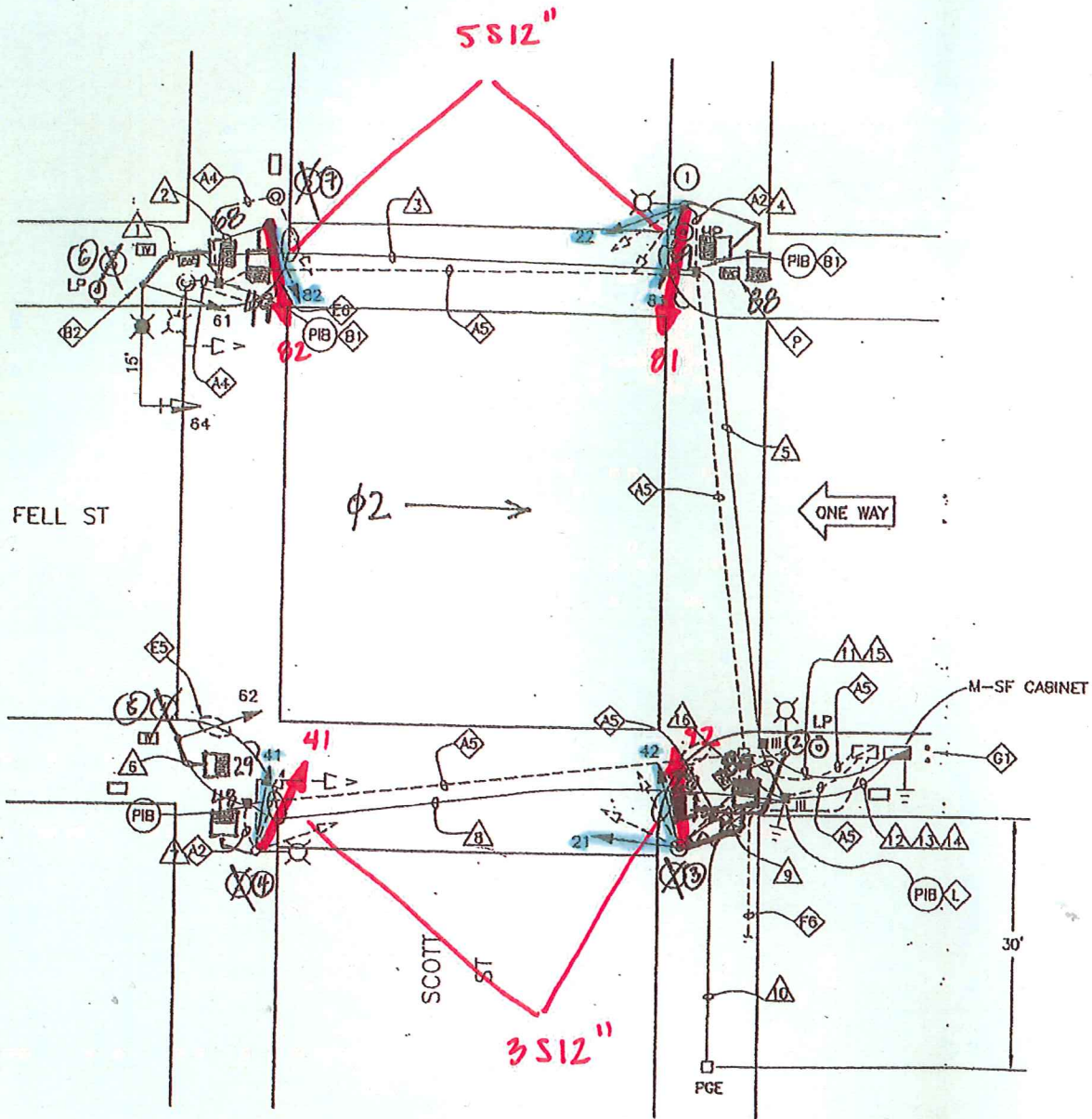
FELL STREET
SCOTT STREET
XING SCOTT
XING FELL

SHEET NOTES

- ADDITIONAL PULL BOXES, CONDUIT AND 12/C TO BE FURNISHED AND INSTALLED AT THIS INTERSECTION ARE SHOWN ON DWG E-43.1.
- CONTRACTOR SHALL VERIFY THE VOLTAGE OF EACH EXISTING STREET LIGHT LUMINAIRE SO THE NEW STREET LIGHT LUMINAIRE REPLACING THE OLD LUMINAIRE SHALL HAVE THE SAME VOLTAGE.

DETAIL NOTES

- EX CONDUIT AND WIRING. R/C EX WIRING. F/I 1/4" NYLON PULL ROPE.
- EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN.
- EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- EX CONDUIT AND WIRING. R/C EX WIRING. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S).
- SPLICE NEW WIRING TO EX SL WIRING TO ACTIVATE NEW SL CIRCUIT.
- F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SFDPWSP #49,092.
- R/C EXISTING PULL BOX. REPAIR SIDEWALK TO MATCH EXISTING.
- REPAIR EX CONCRETE SIDEWALK.
- REPAIR CONCRETE GUTTER.
- EX CONDUIT AND 12/C. R/C EX 12/C. CUT CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S). FOR CONTINUOUS DISTANCE BETWEEN THE CONTROLLERS FROM OAK STREET TO FELL STREET. SEE DWG. E-43.1.
- F/I BOLLARDS PER SFDPWSP #LA-021 INCLUDING PRIME PAINTING AND PAINTING EACH BOLLARD WITH TWO COATS OF OSHA SAFETY YELLOW.
- F/I IN-LINE FUSE HOLDER WITH 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO THE EX CITY SERVICE TO SUPPORT NEW IC. F/I GROUND ROD.
- PAC BELL TO RELOCATE THE PULL BOX. CONTRACTOR SHALL COORDINATE WITH PAC BELL AND CONTACT BOB PICKARD AT 330-1771.



↑ - INSTALL NEW
↓ - REMOVE

RED SIGNALS ACTIVATED ON 1/24/06 **HISTORICAL**

AS BUILT DRAWING
APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

NO.	DATE	DESCRIPTION	BY	APP.
6/03	AS-BUILT			
5/01	CHANGE ORDER #3 MSF - HOMERUN		JP	SL
4/01	CHANGE ORDER #3		JE	SL
2/00	ISSUED FOR BID		JM	NKS

OW	SL



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



DESIGNED: DATE:	APPROVED
DVS/EF 02/00	
DRAWN: DATE:	SECTION MANAGER DATE:
EF 02/00	
CHECKED: DATE:	DIVISION MANAGER DATE:
NKS 02/00	
	CITY ENGINEER DATE:

SCALE:
1" = 10'-0"
SHEET OF SHEETS
62 OF 89

OAK AND FELL STREETS
TRAFFIC SIGNAL UPGRADE
SCOTT AND FELL STREETS

SPECIFICATION NO.	1660N
DRAWING NO.	E-31.0
FILE NO.	74203
REV. NO.	0

FILE NAME: E-31-0.dwg
DATE: Jul 01 14:54 14.7A

CONDUIT AND WIRING SCHEDULE																
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CONDUIT SIZE IN INCHES (MM)	2 (53)	2 (53)	2 (53)	EX	2 (53)	2 (53)	EX	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	2 (53)
NOTES				A2			A2							SP	SP	SP
#14 WIRES																
SIGNAL 64	3		3		3						3					
SIGNAL 61	3		3		3						3					
SIGNAL 82		3	3		3						3					
SIGNAL 81				3	3						3					
SIGNAL 22				3	3						3					
SIGNAL 62						3		3				3				
SIGNAL 41							3	3				3				
SIGNAL 21									3			3				
SIGNAL 42									3			3				
SPARE			3		3			3			3	3				
#14 WIRES NEUTRAL	2	1		1		1	1		1							
TOTAL #14 WIRES	8	4	12	7	18	4	4	9	7		18	15				
#10 WIRES NEUTRAL			1		2			1			2	2				
#8 WIRES (120V SERVICE)										2			2			
#8 WIRES (STREET LIGHT)	2		2	2	2		2	2								
#6 BSCW																
12/C CABLE										1		1				
1/4" (6.35mm)			1		1			1		1				1	1	1
NYLON PULL ROPE																

POLES		LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICULAR SIGNALS		PEDESTRIAN SIGNALS		REMARKS
POLE ID	TYPE		NO	TYPE MOUNTING (F/I)	NO	TYPE MOUNTING (F/I)	
1	EX STREETLIGHT		22	3S8" SV-2-TA	64	15-COUNT SP-1-SF(12")	
23	TYPE 1-A (10')		81	3S8" 3S12" TV-2-T-SFA	68	" SP-1 (22")	
24	EX STREETLIGHT		42	3S8" 3S12" TV-1-T	69	" SP-1	
25	1-A (10')		62	3S8" TV-1	29	" SP-1	
26	17-1-70 15' MASTARM	240V/200W	61	3S8" SV-1-T	68	" SP-1	B2 BACKPLATE
27	1-A (10')		82	3S8" 3S12" TV-1	49	" SP-1	
2 EX STREETLIGHT - - - 28 11 SP-1							

DETAIL NOTES

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SPDPWSF #49,092.

6/03 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 JW NKS

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: DVS/EF 02/00
DRAWN: DATE: EF 02/00
CHECKED: DATE: NKS 02/00

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

SCALE: NONE SHEET OF SHEETS 63 OF 89

AS BUILT DRAWING

APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

OAK AND FELL STREETS

TRAFFIC SIGNAL UPGRADE

SCOTT AND FELL STREETS SCHEDULES

SPECIFICATION NO. 1660N
DRAWING NO. E-31.1
FILE NO. 74204
REV. NO. 0

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

FILE NAME: E-31-1.dwg
DATE: Jul 01 1999 14:46