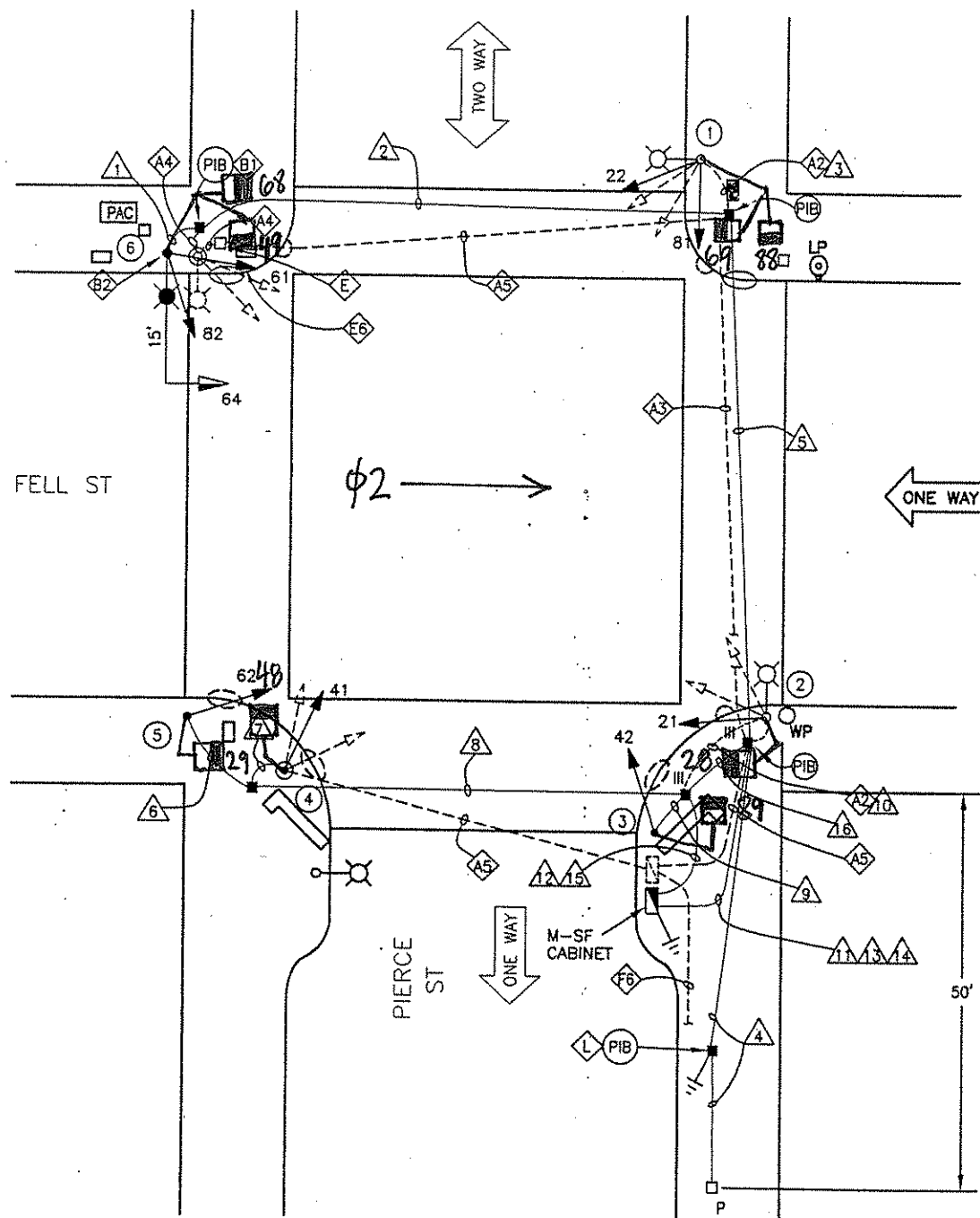
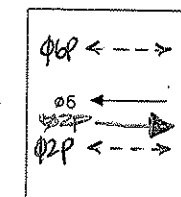


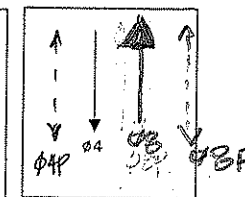
No Comments.



PHASE DIAGRAM



PHASE 6



PHASE 4

PHASE SEQUENCE

G	Y	R	FELL ST
R	G	Y	PIERCE ST
Y	FRH	RH	XING PIERCE
RH	Y	FRH	RH
			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.
- REPAIR SIDEWALK TO MATCH EX BRICK SIDEWALK ON SOUTHEAST AND SOUTHWEST SIDES. THIS WORK SHALL BE PAID BY BID ITEM #65.
- 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.

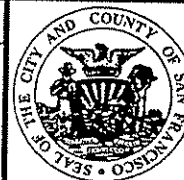
DETAIL NOTES

- ⬢ A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- ⬢ A3 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL AND OTHER 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 CONDUIT FLUSH TO PULL BOX WALL OR 12" DEPTH, CAP OR DUCT SEAL END(S).
- ⬢ B1 SPLICE NEW WIRING TO EX SL WIRING TO ACTIVATE NEW SL CIRCUIT.
- ⬢ B2 F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDER PER SFDWPSP #49,092.
- ⬢ E R/C EXISTING PULL BOX. REPAIR SIDEWALK TO MATCH EXISTING.
- ⬢ E6 REPAIR CONCRETE GUTTER.
- ⬢ F6 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.
- ⬢ L F/I IN-LINE FUSE HOLDER WITH 40A FUSE FOR IC SERVICE. SPLICE NEW WIRES TO THE EX CITY SERVICE TO SUPPORT NEW IC.

AS BUILT DRAWING

APPROVAL SIGNATURES ON ORIGINAL CONTRACT DRAWINGS.

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	JM	NKS
NO.	DATE	DESCRIPTION	BY
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:	APPROVED	SCALE:
DVS/EF	02/00	SECTION MANAGER	DATE:
DRAWN:	DATE:	DIVISION MANAGER	DATE:
EF	02/00		
CHECKED:	DATE:	CITY ENGINEER	DATE:
NKS	02/00		

1" = 10'-0"
SHEET OF SHEETS
60 OF 89

OAK AND FELL STREETS
TRAFFIC SIGNAL UPGRADE
PIERCE AND FELL STREETS

SPECIFICATION NO.	1660N
DRAWING NO.	E-30.0
FILE NO.	74201
REV. NO.	0

EXTERNAL REFERENCES: B334-22.dwg
FALLS (SF) ROUTE 501 REMAINS AND ROUTING INSCALE FACTOR: 120
PLOT SCALE: 1"=1'

ORIGIN: ELECTRICAL

FILE NAME: E-30-0.dwg
DATE: 10/11/2009 11:41

CONDUIT AND WIRING SCHEDULE																		
CONDUIT RUN NUMBER		Δ_1	Δ_2	Δ_3	Δ_4	Δ_5	Δ_6	Δ_7	Δ_8	Δ_9	Δ_{10}	Δ_{11}	Δ_{12}	Δ_{13}	Δ_{14}	Δ_{15}	Δ_{16}	
CONDUIT SIZE IN INCH(S) (MM)		2 (53)	2 (53)	EX	1½ (41.8)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	EX	2 (53)	2 (53)	1½ (41.8)	2 (53)	2 (53)	2 (53)	
NOTES				Δ_2							Δ_2				SP	SP	SP	
WIRING (F/I)	#14 WIRES																	
	SIGNAL 61	3	3			3						3						
	SIGNAL 82	3	3			3						3						
	SIGNAL 64	3	3			3						3						
	SIGNAL 22			3		3						3						
	SIGNAL 81			3		3						3						
	SIGNAL 62						3		3				3					
	SIGNAL 41							3	3				3					
	SIGNAL 42									3			3					
	SIGNAL 21										3		3					
	SPARE			3			3			3			3	3				
#14 WIRES NEUTRAL	2		1			1	1			1	1							
TOTAL #14 WIRES	11	12	7		18	4	4	9	4	4	18	15						
#10 WIRES NEUTRAL		1			2			1			2	2						
#8 WIRES (120V SERVICE)				2										2				
#8 WIRES (STREET LIGHT)	2																	
#6 BSCW				1														
12/C CABLE														1				
1/4" (6.35mm) NYLON PULL ROPE		1			1	1			1			1			1	1	1	

POLES		LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICULAR SIGNALS			PEDESTRIAN SIGNALS			REMARKS
POLE ID	TYPE		NO	TYPE	MOUNTING (F/I)	NO	TYPE	MOUNTING (F/I)	
1	EXISTING STANDARD		22 81	3S8" 3S8"	SV-2-TA	69 88	1S-COUNT "	SP-1-SF (12") SP-1 (22")	
2	EXISTING STREETLIGHT		21	3S8"	SV-1-T	28	"	SP-1	
3	TYPE 1-A (10')		42	3S8"	TV-1	89	"	SP-1	
4	TYPE 1-A (10')		41	3S8"	TV-1	48	"	SP-1	
5	1-A (10')		62	3S8"	TV-1	29	"	SP-1	
6	17-1-70 15' MASTARM	240V/200W	61 64 82	3S8" 3S12" 3S8"	SV-2-TA MAS	49 68	" "	SP-1-SF(12") SP-1(22")	B2 BACKPLATE

* FIELD CHECK POLE LOCATION RELATIVE TO XWALK; MAY NEED NEW 1-A (?) POLE.
* FIELD CHECK POLE LOCATION RELATIVE TO XWALK; MAY NEED TO COMBINE PED. SIGNALS ON POLE ②.

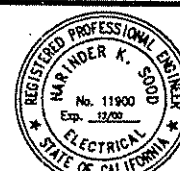
DETAIL NOTES

- 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 SFDPSWP #49,092.

6/03	AS-BUILT		DW	SL
5/01	CHANGE ORDER #3 MSF- HOMERUN		JP	SL
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BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED	SCALE:	OAK AND FELL STREETS	SPECIFICATION NO.
DVS/EF 02/00		NONE	TRAFFIC SIGNAL UPGRADE	1660N
DRAWN: DATE:	SECTION MANAGER DATE:			DRAWING NO.
EM/EF 02/00		SHEET OF SHEETS	PIERCE AND FELL STREETS SCHEDULES	E-30.1
CHECKED: DATE:	DIVISION MANAGER DATE:			FILE NO.
NKS 02/00		61 OF 89		74202
	CITY ENGINEER DATE:			REV. NO.