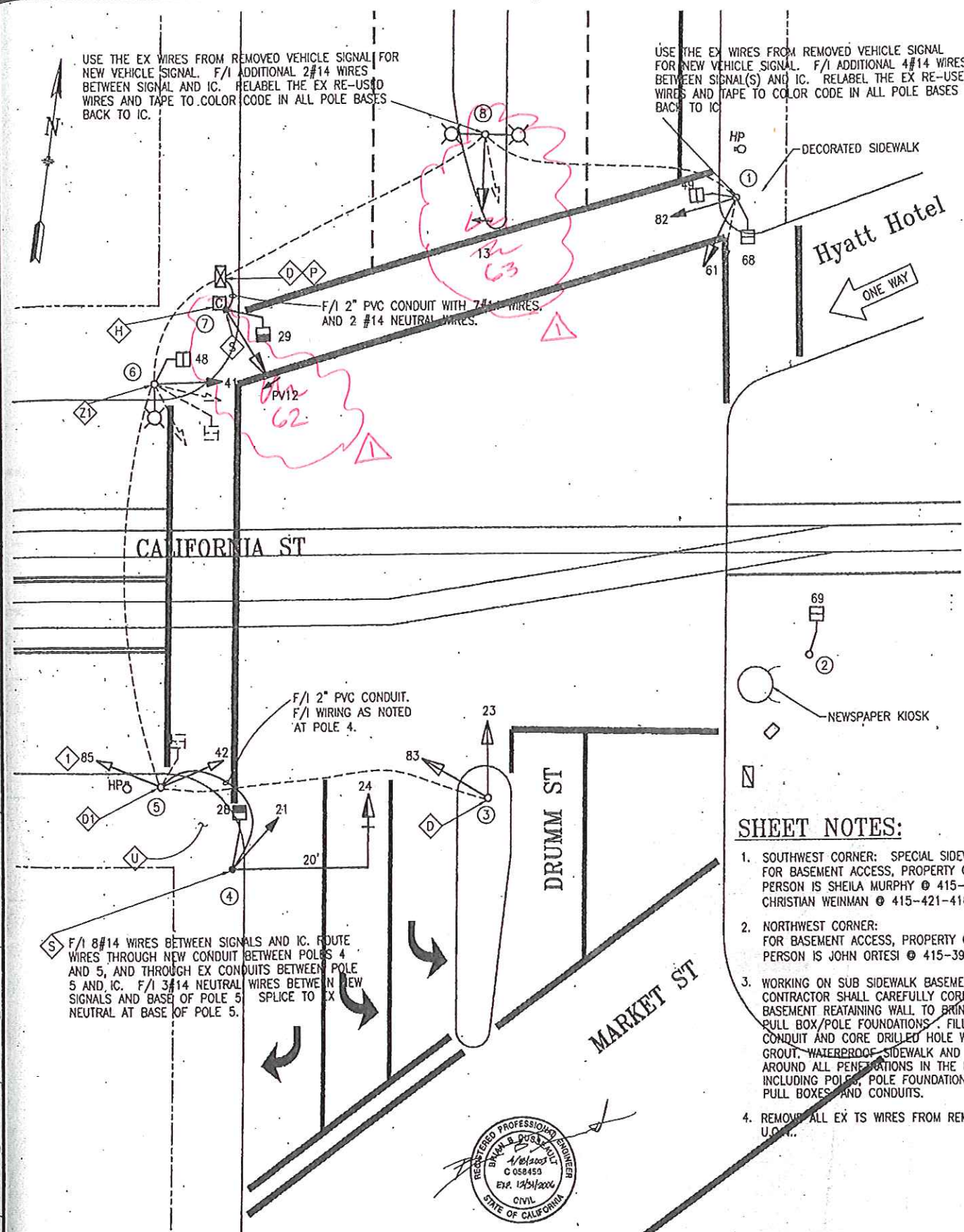




POLE AND EQUIPMENT SCHEDULE										CONTRACT WORK IN BOLD			
POLE No.	TYPE OF POLE	LUMINAIRE (HPS)	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS		
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING			
1	EX PEDESTAL		82 61	4S8-X 3S12"	TV-2-TA	T T		EX 49 EX 68	EX 1S-LED EX 1S-LED	EX SP-1 EX SP-1			
2	EX 1 - A (7')							EX 69	EX 1S-LED	EX TP-1			
3	EX 1 - A (10')		EX 23 EX 83	EX 3S12" EX 3S12"	EX TV-2-T	EX T EX T							
4	16-1-70 w/ 20' MAST ARM		24 21	3S12" 3S8"	MAS SV-1-T	T T		28	1S-COUNT	SP-1	BP		
5	EX PEDESTAL		EX 42 EX 85	EX 3S8" EX 3S8" 1	EX TV-2-T-SF	EX T EX T							
6	EX SL		41	3S8"	SV-1-T	T		EX 48	EX 1S-LED	SP-1			
7	1 - A (10')		62 12	3S12" PV5S12"GYLA	TV-1-T	T		29	1S-COUNT	SP-1			
8	EX SL		63 13	3S12" 5S12"GYLA	SV-1-T	T							

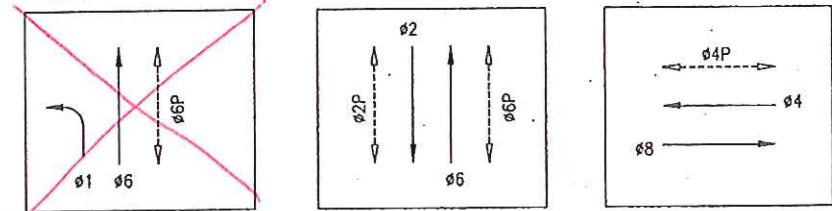
DETAIL NOTES:

- 1 ROTATE EXISTING #21 HEAD WHICH IS NOW SIGNAL #85. R/C EX 3#14 WIRES BACK TO IC. F/I 3#14 WIRES BETWEEN SIGNAL AND IC.
- D CHIP EX FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- D1 PENETRATE BASEMENT FOUNDATION CAREFULLY TO BRING CONDUIT INTO BASE OF STANDARD OR CONTROLLER CABINET AND REPAIR AFTER INSTALLATION.
- H DTIS SHALL RELOCATE FIRE/POLICE ALARM PULL STATION. CONTRACTOR SHALL COORDINATE WITH TERRY ELISAA OF DET (TEL #415-550-2723) 10 DAYS BEFORE COMMENCEMENT OF WORK AT THE CORNER.
- P PROVIDE COPPER GROUND BUS BAR WITH 16 TERMINATION POINTS SUITABLE FOR #6 THRU #10 AWG.
- S EX BASEMENT. F/I BASEMENT FOUNDATION. SEE STRUCTURAL DETAIL DRAWINGS S-1 THRU S-3.
- U MINIMIZE DAMAGE TO SPECIAL SIDEWALK. REPAIR SIDEWALK TO MATCH EX SPECIAL SIDEWALK.
- Z1 USE THE EX WIRES FROM REMOVED VEHICLE AND/OR PEDESTRIAN SIGNAL(S). RELABEL WIRES AND TAPE TO COLOR CODE IN ALL POLE BASES AND PULL BOXES BACK TO IC AND AT IC.

SHEET NOTES:

- SOUTHWEST CORNER: SPECIAL SIDEWALK IS GRANITE. FOR BASEMENT ACCESS, PROPERTY OWNER CONTACT PERSON IS SHEILA MURPHY @ 415-421-4144 OR CHRISTIAN WEINMAN @ 415-421-4162.
- NORTHWEST CORNER: FOR BASEMENT ACCESS, PROPERTY OWNER CONTACT PERSON IS JOHN ORTESI @ 415-391-1255.
- WORKING ON SUB SIDEWALK BASEMENT, THE CONTRACTOR SHALL CAREFULLY COREDRILL THROUGH BASEMENT RETAINING WALL TO BRING CONDUIT INTO PULL BOX/POLE FOUNDATIONS. FILL THE GAP BETWEEN CONDUIT AND CORE DRILLED HOLE WITH NON-SHRINK GROUT. WATERPROOF SIDEWALK AND RETAINING WALL AROUND ALL PENETRATIONS IN THE BASEMENT AREA INCLUDING POLES, POLE FOUNDATIONS, CONTROLLER, PULL BOXES AND CONDUITS.
- REMOVE ALL EX TS WIRES FROM REMOVED SIGNALS U.O.M.

PHASE DIAGRAM:



PHASE SEQUENCE:

G	Y	R	R	DRUMM ST NB
G R	G	Y	R	DRUMM ST SB
G < Y <	OFF	R	R	DRUMM ST NB LEFT TURN ARROW
R	G	Y	R	CALIFORNIA ST
WM	FRH	RH	RH	PEDS XING CALIFORNIA ST E/S
WM RH	WM	FRH	RH	PEDS XING CALIFORNIA ST W/S
RH	WM	FRH	RH	PEDS XING DRUMM ST
OFF	ON			CALIFORNIA EB CABLE CAR GREEN (X)



TABLE OF REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.
1	9/30/10	REPLACED 16 AND 13 WITH 62+63 ET HQ		

REFERENCE INFORMATION & FILE NO. OF SURVEYS

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
CIVIL
1/8/2003
C 058453
EXP. 12/31/2006

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

DESIGNED: DATE: 3/03
DSB/TP
DRAWN: DATE: 3/03
VW/JS
CHECKED: DATE: 3/03
BC

APPROVED: DATE: 4/10/03
SECTION MANAGER
DEPUTY MANAGER
CITY ENGINEER

SCALE: 1"=10'-0"
SHEET OF SHEETS: 30 OF 49

CONTRACT 28-29
TRAFFIC SIGNAL MODIFICATION
CALIFORNIA ST AND DRUMM ST

SPECIFICATION NO. 0435J
DRAWING NO. E-20.0
FILE NO. 83,120
REV. NO. 0