

SWITCHOVER WED 2-23-05 1342
SIGNAL SHOP : WZ, PN, JN
ENGRG : ET

F/1 2" PVC CONDUIT. F/1 WIRING
AS NOTED AT PULL BOX AND AT
POLE 8.

(PIB) CAREFULLY PULL BACK THE 1#14 TS WIRES FROM SIGNALS
AT WOOD POLE TO PULL BOX. RE-PULL WIRES TO NEW
POLE 8 FOR NEW SIGNALS AND PPB. R/C EX CONDUITS
TO WOOD POLE.

F/1 2" PVC CONDUIT. F/1 WIRING
AS NOTED AT POLE 10.

EX CONDUIT WITH SERVICE WIRES.
F/1 1#6 BSCW.

F/1 2#14 WIRES BETWEEN PED SIGNAL AND IC. ROUTE
WIRES THROUGH NEW CONDUIT BETWEEN POLE AND PULL
BOX, AND THROUGH EX CONDUITS BETWEEN PULL BOX
AND IC. FOR THE OTHER SIGNALS AND PPB USE EX
WIRING FROM REMOVED SIGNALS ON ADJACENT POLE.
SEE NOTE AT PULL BOX.

New Crosswalk Alignment
RETAIN EXISTING
CROSSWALK
ALIGNMENT

Loops no
longer active EX 81-1

Loops no
longer active EX 41-1

DETAIL NOTES:

- 21 USE THE EX WIRES FROM REMOVED VEHICLE AND/OR PEDESTRIAN SIGNAL(S)
FOR NEW 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.
- 23 USE THE EX WIRES FROM REMOVED PPB FOR NEW PPB.
- 24 F/1 2#14 WIRES BETWEEN PPB AND IC. ROUTE WIRES THROUGH EX CONDUITS.
- 25 F/1 2#14 WIRES BETWEEN PPB AND IC. ROUTE WIRES THROUGH NEW CONDUIT
BETWEEN PPB AND PULL BOX, AND THROUGH EX CONDUITS BETWEEN PULL
BOX AND IC.
- 26 F/1 2#14 WIRES BETWEEN PED SIGNAL AND IC. ROUTE WIRES THROUGH EX
CONDUIT. F/1 1#14 NEUTRAL WIRE BETWEEN PED SIGNAL AND PULL BOX.
SPlice TO EX NEUTRAL WIRE AT PULL BOX.
- P PROVIDE COPPER GROUND BUS BAR WITH 16 TERMINATION POINTS
SUITABLE FOR #6 THRU #10 AWG.

10' 0 10' 20'

10' 0 10' 20'

2 | 01/15/21 | All signals to 3S12" (SRC 2020-207); Updates per field. E.Luu | G.deLeon
1 | 12/29/20 | Installation of Gridsmart Camera per NKobayashi
SRC 2019-198 and updates per field. GDeLeon



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



DESIGNED: DATE: 3/03
DRAWN: DATE: 3/03
CHECKED: DATE: 3/03
APPROVED: DATE: 4/2/03
SECTION MANAGER
DEPUTY MANAGER
CITY ENGINEER

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

CONTRACT 28-29
TRAFFIC SIGNAL MODIFICATION

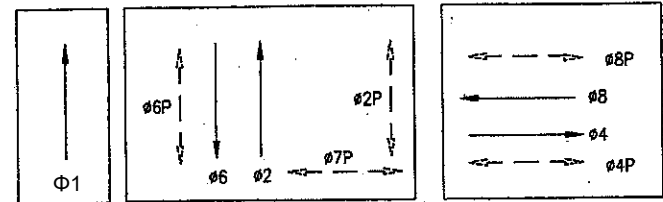
ALEMANY BLVD, HURON AVE, AND OTTAWA AVE

SPECIFICATION NO.
0435J
DRAWING NO.
E-15.0
FILE NO.
83,111
REV. NO.
2

Vertical: 11.00E Title Block.dwg
Xrefs: 11.00E Title Block.dwg
LoglinepointScale: 120
Model Units: Inches
Drawing Path: V:\0435J TRAFFIC SIGNAL CONTRACT 28-29\292 Design\Working Drawings\0435J_E15.0.dwg
Plot Time: Wed, 02 Apr 2003 10:14am

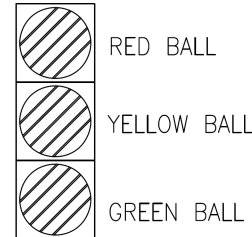
POLE AND EQUIPMENT SCHEDULE									
POLE No.	TYPE OF POLE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS
		No.	TYPE	MOUNTING	VISORS		TYPE	MOUNTING	
①	EX 1 - A (10')	EX 42 11	EX 3S12" 3S12"	EX TV-2-T	EX T EX T	28 84	1S-COUNT 1S-COUNT	SP-1 SP-1	PPB
②	EX 1 - A (10')	EX 41	EX 3S12"	EX TV-1-T	EX T	29 79	1S-COUNT 1S-COUNT	SP-1 SP-1	
③	EX 1 - A (10')	EX 62	3S12"	TV-1-T	EX T	48 78	1S-COUNT 1S-COUNT	SP-1 SP-1	(2) PPB
④	EX SL MARBLELITE	EX 63	3S12"	EX SV-1-T	EX T				EXTERNAL CONDUIT
⑤	PPBP								PPB
⑥	EX 1 - A (10')	EX 61	3S12"	TV-1-T	EX T	68	1S-COUNT	SP-1	
⑦	EX 1 - A (10')	EX 82 EX 45	EX 3S12" 3S12"	EX TV-2-T	T T	49	1S-COUNT	SP-1	PPB
⑧	1 - A (10')	81 22	3S12" 3S12"	TV-2-T	T T	69 88	1S-COUNT 1S-COUNT	SP-1-SF (12") SP-1 (22")	PPB
⑨	EX SL MARBLELITE	23	3S12"	SV-1	T				DETECTION CAMERA (GRIDSMAST)
⑩	PPBP								PPB
⑪	EX 1 - A (10')	EX 21 12	3S12" 3S12"	TV-2-T	T T	85 89	1S-COUNT 1S-COUNT	SP-2-T SP-1 SP-1	PPB 21: VERTICAL LOUVER ON G ONLY 12: SEE DETAIL FOR LOUVER

PHASE DIAGRAM:



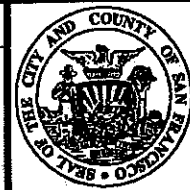
PHASE 1 PHASES 2, 6, 2P, 6P, 7P PHASES 4, 8 & 4P, 8P

DETAIL: 45° RIGHT LOUVER

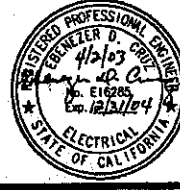


12-2-04 PER
CONVERSATION w/BL

2 01/15/21 All signals to 3S12" (SRC 2020-207); Updates per field. E.Luu G.deLeon	
1 12/29/20 Installation of Gridsmart Camera per NKobayashi	
SRC 2019-198 and updates per field. GDeLeon	
DATE DESCRIPTION BY APP.	
TABLE OF REVISIONS	
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION	



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DESIGNED: DSB	DATE: 3/03	APPROVED: [Signature]	DATE: 4/3/03
DRAWN: JS	DATE: 3/03	SECTION MANAGER: [Signature]	DATE: 4/3/03
CHECKED: BC	DATE: 3/03	DEPUTY MANAGER: [Signature]	DATE: 4/3/03
		CITY ENGINEER: [Signature]	DATE: 4/25/03

SCALE: NONE
SHEET OF SHEETS: 22 OF 49

CONTRACT 28-29 TRAFFIC SIGNAL MODIFICATION
ALEMANY BLVD, HURON AVE, AND OTTAWA AVE SCHEDULE

SPECIFICATION NO. 0435J
DRAWING NO. E-15.1
FILE NO. 83,112
REV. NO. 2

