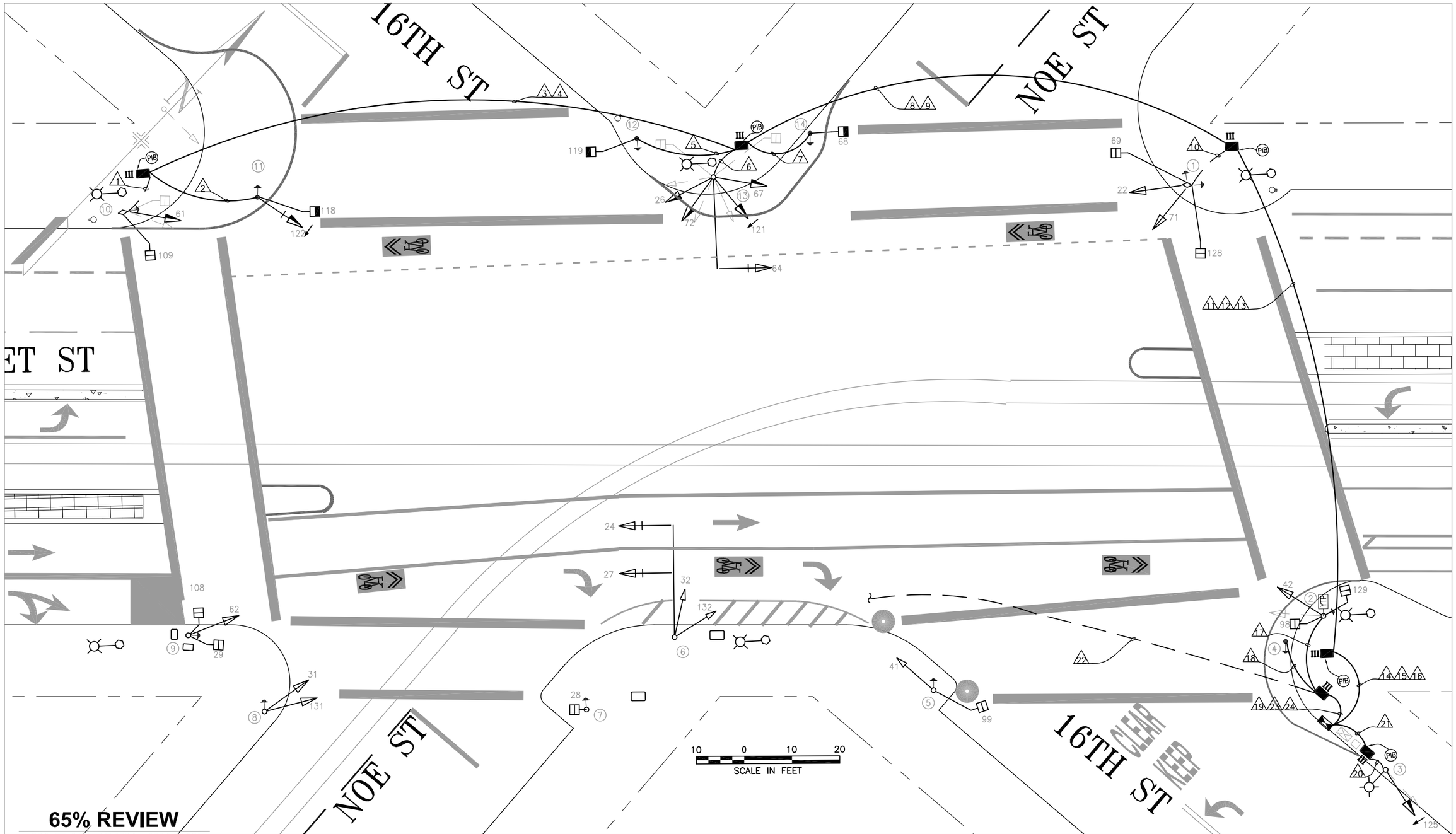

NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
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CITY & COUNTY OF SAN FRANCISCO
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30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

		Date:
Acting Section Mgr:	PHILIP THWIN	
Deputy Bureau Mgr:	IQBALBHAI DHAPA	
Bureau Mgr:	PATRICK RIVERA	

DESIGNED:	DATE:
DRAWN: JHC	DATE: 04/11/18
CHECKED: MG	DATE: 04/19/18

REGISTERED PROFESSIONAL ENGINEER
STEVEN T. LEE
NO. E15417
ELECTRICAL
STATE OF CALIFORNIA

SCALE: AS SHOWN

SHEET OF SHEETS
X OF X

UPPER MARKET CORRIDOR SAFETY IMPROVEMENTS PROJECT

MARKET STREET, NOE STREET AND 16TH STREET

CONTRACT NO. 2485J
DRAWING NO. ET-1.0
FILE NO.
REV. NO. 0

Drawing Path: V:\2485J_Upper_Market_Corridor_Safety_Improvements\2_Design\Working_Drawings\EEL\Current\Signal_Diagram\Signal2_11_18.dwg, Login: dgangaitano
Plot Time: Wed, 20 Feb 2019 - 2:37pm
Model Units: Undefined
Measurement Units are English

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)

CONDUIT RUN NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CONDUIT SIZE (INCH)		EX	2	2	2	2	2	2	3	2	2	3	2	2	3	2	2	2	2	2	EX	2	EX	2	2
					SP					SP				SP			SP		PPB					SP	
NOTES																									
	VEHICLE SIGNAL 61	3		3					3			3			3										
	PED SIGNAL 109	2		2					2			2			2										
	VEHICLE SIGNAL 122		4	4					4			4			4										
	PED SIGNAL 118		2	2					2			2			2										
	PED SIGNAL 119					2			2			2			2										
	VEHICLE SIGNAL 26						3		3			3			3										
	VEHICLE SIGNAL 72						3		3			3			3										
	VEHICLE SIGNAL 64						3		3			3			3										
	VEHICLE SIGNAL 121						4		4			4			4										
	VEHICLE SIGNAL 67						3		3			3			3										
	PED SIGNAL 68							2	2			2			2										
	PED SIGNAL 69										2		2			2									
	VEHICLE SIGNAL 22										3		3			3									
	VEHICLE SIGNAL 71										3		3			3									
	PED SIGNAL 128										2		2			2									
	PED SIGNAL 129																	2		2					
	VEHICLE SIGNAL 42																	3		3					
	PED SIGNAL 98																	2		2					
	EXT YIELD TO PED SIGN																	4		4					
	VEHICLE SIGNAL 125																				4	4			
	(E) UTILIZED WIRES SOUTH SIDE SIGNALS																						30		30
	#14 NEUTRAL	2	2			1	5	1			4							4			1	1			
	#14 SPARE			3					3			3	3		3	3									
	TOTAL #14 WIRES	7	8	14		3	21	3	34		14	34	13		34	13		15		11	5	5	30		30
	#10 WIRES NEUTRAL			1					2			2	1		2	1				1			3		3
	#10 WIRES STREET LIGHT																								
	#8 WIRES STREET LIGHT																								
	#8 WIRES (120 V SERVICE)																					2			
	#6 BSCW (SEE SHEET NOTE 1)																								
	INTERCONNECT 12C CABLE																								
	F/I 4 WIRE BELDEN 8489 (OR EQUIVALENT) FOR																								
	APS ON POLE 1 (LAND IN P.S. 69 ON POLE 1)																								
	APS ON POLE 1 (LAND IN P.S. 128 ON POLE 1)																								
	APS ON POLE 2 (LAND IN P.S. 129 ON POLE 2)																								
	APS ON POLE 4 (LAND IN P.S. 98 ON POLE 2)																	1	1						
	APS ON POLE 10 (LAND IN P.S. 109 ON POLE 10)																								
	APS ON POLE 11 (LAND IN P.S. 118 ON POLE 11)																								
	APS ON POLE 12 (LAND IN P.S. 119 ON POLE 12)																								
	APS ON POLE 14 (LAND IN P.S. 68 ON POLE 14)																								

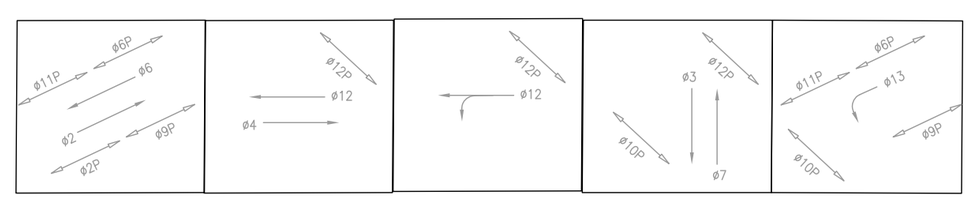
65% REVIEW

NOT FOR CONSTRUCTION

POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/ WATTAGE	VEHICLE SIGNAL No.	VEHICLE SIGNAL TYPE	VEHICLE SIGNAL MOUNTING	VEHICLE SIGNAL VISORS	VEHICLE SIGNAL LOUVERS	PEDESTRIAN SIGNAL No.	PEDESTRIAN SIGNAL TYPE	PEDESTRIAN SIGNAL MOUNTING	REMARKS
1	MUNI POLE		22 71	3S12" 3S12"	SV-3-TA	T T	Y Y	69 128	1S-COUNT 1S-COUNT	SP-1 SP-1	**APS(2)**
2	1-A (10')		**42** **YTP**	**3S12"** **IS 24"X24"**	**TV-2-T**	**T**	**Y**	129 98	1S-COUNT 1S-COUNT	SP-1 SP-1	**APS** **'YIELD TO PEDS'**
3	SL		**125**	**4S12"GLA**	**SV-1-T**	**T**					
4	**PPB POLE**										**APS**
5	1-A (10')		41	3S8"	TV-1	T		99	1S-COUNT	SP-1	**APS**
6	16-2-70		32 132 24 27	3S8" 2S8" 3S12" 3S12"	SV-1 SV-1 MAS MAS	T T T T					MUNI F-LINE BACK PLATE BACK PLATE
7	1-A (7')							28	1S-COUNT	TP-1	**APS**
8	1-A (10')		41 131	3S12" 2S8"	TV-1 SV-1	T T					**APS**
9	1-A (10')		62	3S12"	TV-1	T		26 108	1S-COUNT 1S-COUNT	SP-2-SF	**APS**
10	MUNI POLE		**61**	**3S12"**	**SV-1**	**T**		**109**	**1S-COUNT**	**SP-1**	**APS**
11	**1-A (13')**		**122**	**4S12"GLA**	**SV-1-T**	**T**		**118**	**1S-COUNT**	**SP-1**	**APS**
12	**1-A (10')**							**119**	**1S-COUNT**	**SP-1**	**APS**
13	16-2-70		**26** **67** **72** **121** **64**	**3S12"** **3S12"** **3S12"** **4S12"GLA** **3S12"**	**SV-4-TA** **MAS**	**T** **T** **T** **T** **T**					**BACK PLATE** **6' MAST ARM**
14	**1-A (10')**							**68**	**1S-COUNT**	**SP-1**	**APS**

PHASE DIAGRAM



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30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

		Date:
Acting Section Mgr:	PHILIP THWIN	
Deputy Bureau Mgr:	IQBALBHAI DHAPA	
Bureau Mgr:	PATRICK RIVERA	

DESIGNED:	DATE:	
DRAWN: JHC	DATE: 04/11/18	
CHECKED: MG	DATE: 04/19/18	

REGISTERED PROFESSIONAL ENGINEER STEVEN T. LEE NO. E15417 ELECTRICAL STATE OF CALIFORNIA

SCALE: NONE

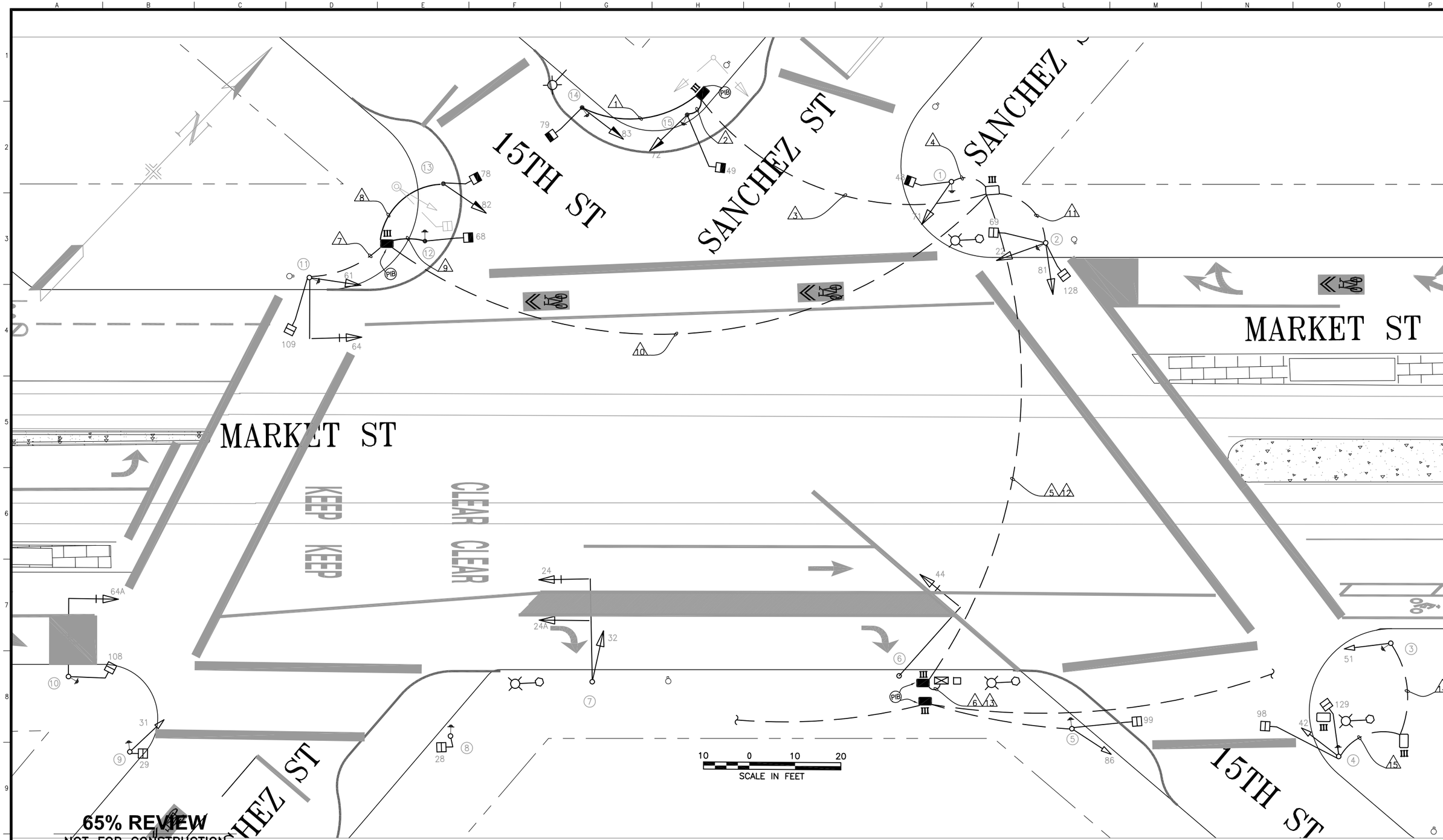
SHEET OF SHEETS: X OF X

UPPER MARKET CORRIDOR
SAFETY IMPROVEMENTS PROJECT

MARKET STREET, NOE STREET AND 16TH STREET CONDUIT AND WIRING SCHEDULE

CONTRACT NO. 2485J
DRAWING NO. ET-1.1
FILE NO.
REV. NO. 0

Drawing Path: V:\2485J_Upper_Market_Corridor_Safety_Improvements\2_Design\Working_Drawings\EEL\Current\Signal_Upper_Market\2485J_ET_1.1_18.dwg, Login: dgargaritano
Plot Time: Wed, 20 Feb 2019 – 2:37pm
Model Units: Undefined
Measurement Units are English



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Bureau Mgr:	PATRICK RIVERA	

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DRAWN: JHC DATE: 04/11/18
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REGISTERED PROFESSIONAL ENGINEER STEVEN T. LEE NO. E15417 ELECTRICAL STATE OF CALIFORNIA

SCALE: AS SHOWN

SHEET OF SHEETS: X OF X

UPPER MARKET CORRIDOR
SAFETY IMPROVEMENTS PROJECT

MARKET STREET, SANCHEZ STREET
AND 15TH STREET

CONTRACT NO. 2485J
DRAWING NO. ET-2.0
FILE NO.
REV. NO. 0

Drawing Path: V:\2485J_Upper_Market_Corridor_Safety_Improvements\2_Design\Working_Drawings\EEL\Current\Signal_Dispersion\Kalp\2_211_18.dwg, Login: dgangnitano
Plot Time: Wed, 20 Feb 2019 – 2:38pm
Model Units: Undefined
Measurement Units are English

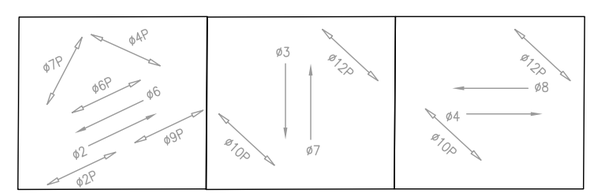
CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)

CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2					
			EX	EX	EX	EX	EX			EX	EX	EX	EX							
NOTES																				
VEHICLE SIGNAL 83	3		3		3	3														
PED SIGNAL 79	2		2		2	2														
VEHICLE SIGNAL 72		3	3		3	3														
PED SIGNAL 49		2	2		2	2														
VEHICLE SIGNAL 71				3	3	3														
PED SIGNAL 48				2	2	2														
PED SIGNAL 109							2			2		2	2							
VEHICLE SIGNAL 61							3			3		3	3							
VEHICLE SIGNAL 64							3			3		3	3							
PED SIGNAL 78								2		2		2	2							
VEHICLE SIGNAL 82								3		3		3	3							
PED SIGNAL 68										2		2	2							
PED SIGNAL 128											2	2	2							
VEHICLE SIGNAL 22											3	3	3							
VEHICLE SIGNAL 81											3	3	3							
PED SIGNAL 69											2	2	2							
#14 NEUTRAL	2	2		2			3	2	1		4									
#14 SPARE																				
TOTAL #14 WIRES	7	7	10	7	15	15	11	7	3	15	14	25	25							
#10 WIRES NEUTRAL			1		2	2				1		2	2							
#10 WIRES STREET LIGHT																				
#8 WIRES STREET LIGHT																				
#8 WIRES (120 V SERVICE)																				
F/I 4 WIRE BELDEN 8489 (OR EQUIVALENT) FOR																				
APS PPB ON POLE 1 (LAND IN P.S. 48 ON POLE 1)																				
APS PPB ON POLE 2 (LAND IN P.S. 128 ON POLE 2)																				
APS PPB ON POLE 3 (LAND IN P.S. 129 ON POLE 4)														1	1					
APS PPB ON POLE 4 (LAND IN P.S. 98 ON POLE 4)																				
APS PPB ON POLE 5 (LAND IN P.S. 99 ON POLE 5)																				
APS PPB ON POLE 8 (LAND IN P.S. 28 ON POLE 7)																				
APS PPB ON POLE 9 (LAND IN P.S. 29 ON POLE 9)																				
APS PPB ON POLE 10 (LAND IN P.S. 108 ON POLE 10)																				
APS PPB ON POLE 11 (LAND IN P.S. 109 ON POLE 11)																				
APS PPB ON POLE 12 (LAND IN P.S. 68 ON POLE 12)																				
APS PPB ON POLE 14 (LAND IN P.S. 79 ON POLE 14)																				
APS PPB ON POLE 15 (LAND IN P.S. 49 ON POLE 15)																				

POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/ WATTAGE	VEHICLE SIGNAL No.	VEHICLE SIGNAL TYPE	VEHICLE SIGNAL MOUNTING	VEHICLE SIGNAL VISORS	VEHICLE SIGNAL LOUVERS	PEDESTRIAN SIGNAL No.	PEDESTRIAN SIGNAL TYPE	PEDESTRIAN SIGNAL MOUNTING	REMARKS
1	1-A (10')		71	3S12"	SV-1	T		**48**	**1S-COUNT**	**SP-1**	**APS**
2	1-A (10')		22 81	3S12" 3S12"	TV-2-T TV-2-T	T T		69 128	**1S-COUNT** **1S-COUNT**	SP-1 SP-1	30" NIPPLE **APS**
3	1-A (10')		51	3S12"	TV-1-T	T					**APS**
4	1-A (10')		42	3S12"	TV-1-T	T		129 98	**1S-COUNT** **1S-COUNT**	SP-1 SP-1	**APS**
5	1-A (10')		86	3S8"	TV-1	T		99	**1S-COUNT**	SP-1	**APS**
6	16-1-70		44	3S12"	MAS	T					BACK PLATE
7	16-2-70		32 24A 24	3S12" 3S12" 3S12"	SV-1 MAS MAS	T T T					NO BACK PLATE BACK PLATE
8	1-A (7')							28	**1S-COUNT**	TP-1	**APS**
9	1-A (10')		31	3S8"	TV-1	T		29	**1S-COUNT**	SP-1	**APS**
10	16-1-70		64A	3S12"	MAS	T		108	**1S-COUNT**	SP-1	BACK PLATE **APS**
11	16-1-70		64 61	3S12" 3S12"	MAS SV-1	T T		109	**1S-COUNT**	SP-1	BACK PLATE **APS**
12	**1-A (10')**							**68**	**1S-COUNT**	**SP-1**	**APS**
13	**1-A (13')**		**82**	**3S12"**	**TV-1**	**T**		**78**	**1S-COUNT**	**SP-1**	
14	**1-A (13')**		**83**	**3S12"**	**SV-1-T**	**T**	**Y**	**79**	**1S-COUNT**	**SP-1**	**APS**
15	**1-A (13')**		**72**	**3S12"**	**SV-1-T**	**T**	**Y**	**49**	**1S-COUNT**	**SP-1**	**APS**

PHASE DIAGRAM



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SCALE: NONE

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UPPER MARKET CORRIDOR
SAFETY IMPROVEMENTS PROJECT

MARKET STREET, SANCHEZ STREET AND 15TH STREET CONDUIT AND WIRING SCHEDULE

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Measurement Units are English