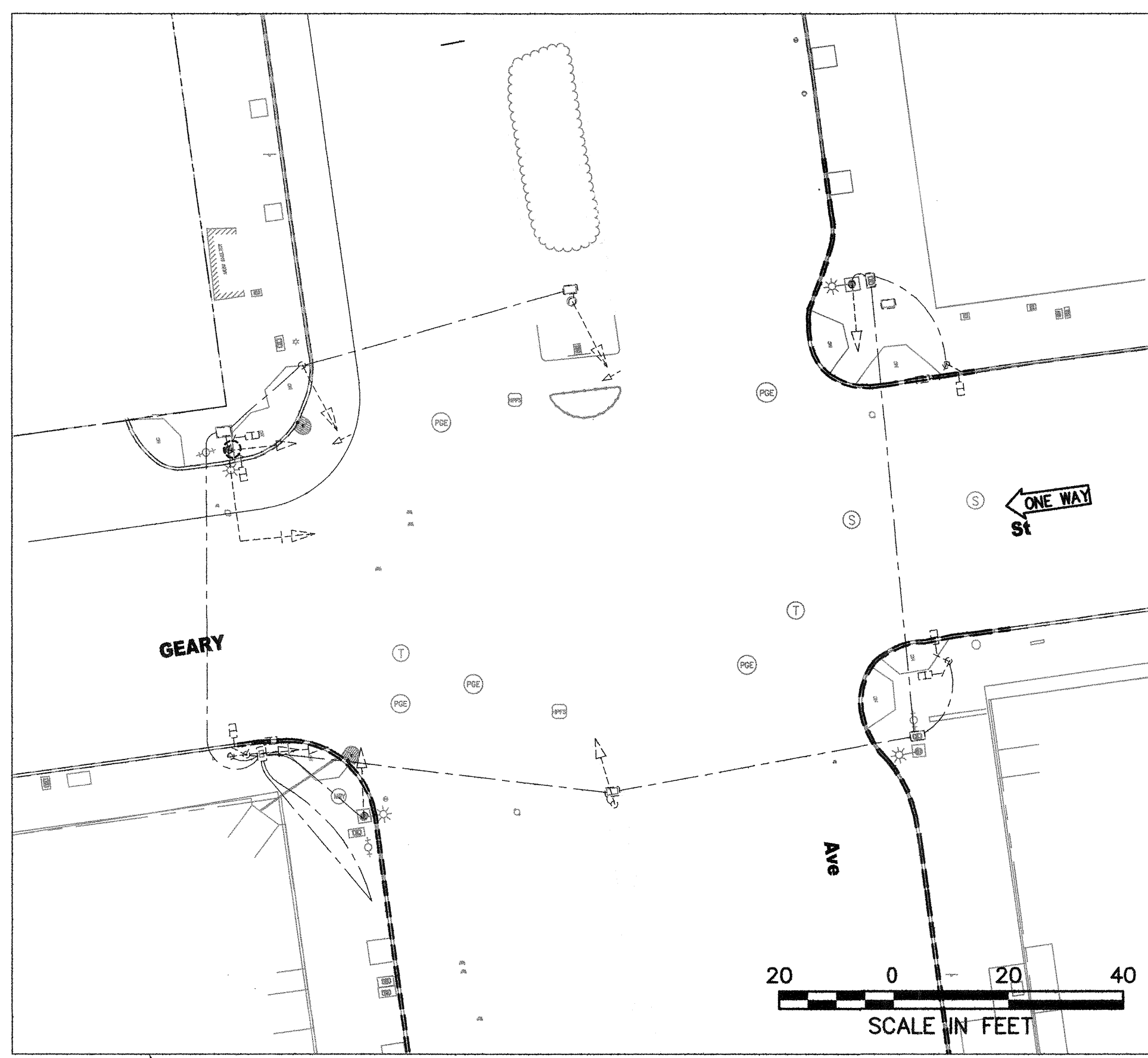
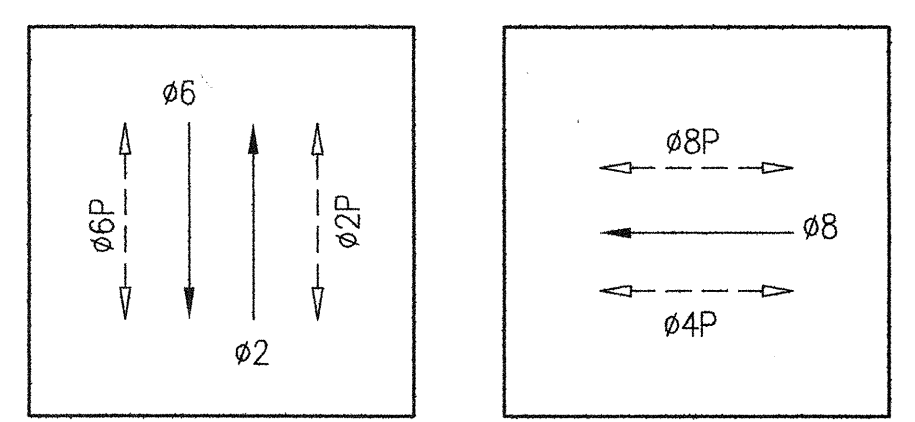


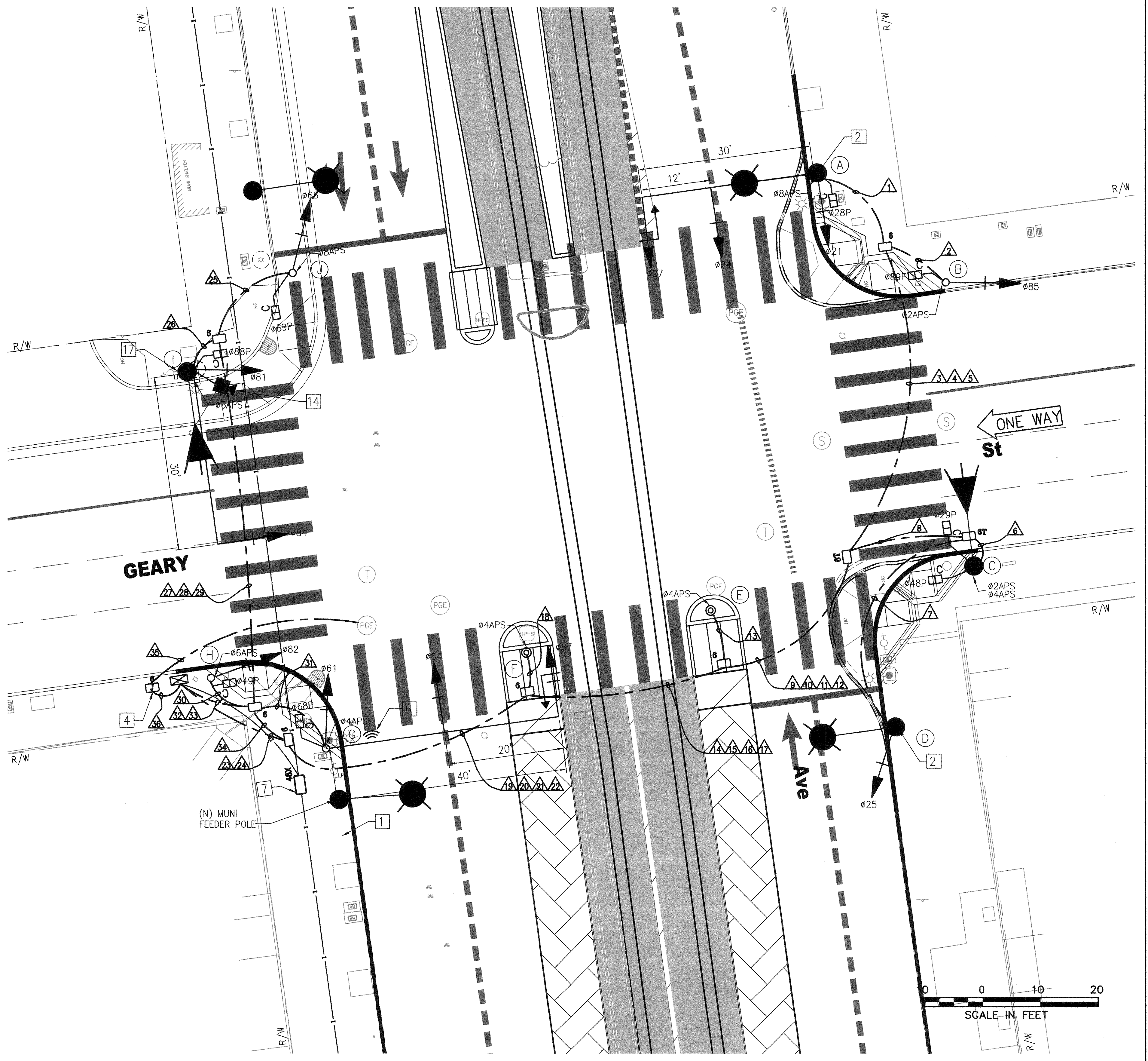
T:\E_FILES\SF\Projects\Van Ness BRT\Signal Design\CADD\CP18401EBS - 100% Revised.dwg, kwong, Tue Nov 24, 2015 - 4:15 pm
 BORDER REVISED 11/17/05



EXISTING EQUIPMENT

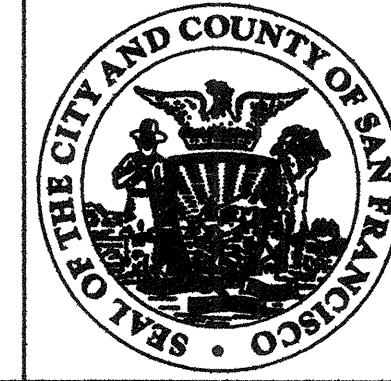


PHASE DIAGRAM



NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED: *J. K. King*
 DRAWN: *J. K. King*
 CHECKED: *Cherrellin*
 REVIEWED: *Cherrellin*
 RECOMMENDED: *Robertson*
 APPROVED: *Rolan*
 DATE: *12/9/2015*



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED: _____
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 GEARY STREET
 TRAFFIC SIGNAL WORK

1289
 ET-112.0
 ET-204
 REVISION

POLE AND EQUIPMENT SCHEDULE														
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS	
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING			
(A)	SIGNAL, SL & OCS COMBO POLE	30	1102	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH APS ①
(B)	1-A (10')	-		85	3S12"	TV-1-T	T			89	1S-COUNT	SP-1	-	APS ①
(C)	NEW SL	-		-	-	-	-			29 48	1S-COUNT 1S-COUNT	SP-1-SF(12") SP-1(22")	-	APS ① SPECIAL POLE FOUNDATION
(D)	SIGNAL, SL & OCS COMBO POLE	-	1060 108	25	3S12"	SV-1-T	T			-	-	-	-	
(E)	PPBP POLE	-		-	-	-	-			-	-	-	-	APS ①
(F)	PPBP POLE	-		-	-	-	-			-	-	-	-	APS ①
(G)	SPECIAL MAST ARM POLE (27-3-100)	40		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			68	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH APS ① TSP ②
(H)	1-A (13')	-		82	3S12"	TV-1-T	T			49	1S-COUNT	SP-1	-	APS ①
(I)	19-2-100	30		81 84	3S12" 3S12"	SV-1-T MAS	T T			88	1S-COUNT	SP-1	-	APS ① TRAFFIC CAMERA ③ COORDINATE W/ CPMC HOSPITAL CONSTRUCTION
(J)	1-A (10')	-		65	3S12"	TV-1-T	T			69	1S-COUNT	SP-1	-	APS ① COORDINATE W/ CPMC HOSPITAL CONSTRUCTION

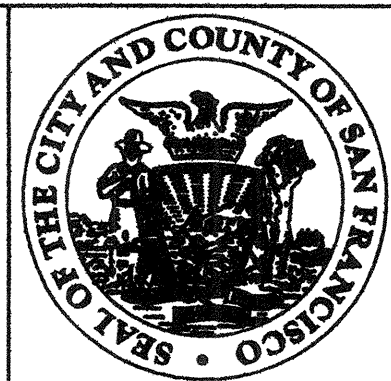
*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
 FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- ① INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- ② INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- ③ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

I:\T.E. FILES\Sp\Projects\Van Ness BRT\Signal Design\CADD\PT16401ETBS - 100% Revised.dwg ikwong Tue Nov 24, 2015 - 4:15 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED *[Signature]*
 DRAWN *[Signature]*
 CHECKED *[Signature]*
 REVIEWED *[Signature]*
 RECOMMENDED *[Signature]*
 APPROVED *[Signature]*
 DATE 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 GEARY STREET
 CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289
 ET-112.1
 ET-204

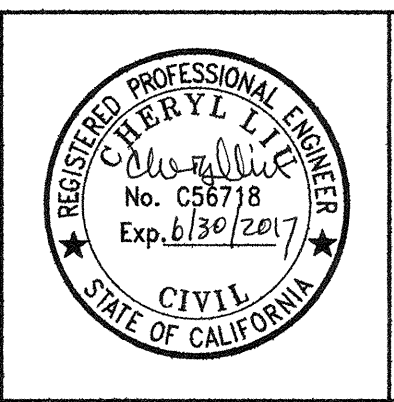
CONDUIT AND WIRING SCHEDULE

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	25	26	27	28	29	30	31	32	33	34	35	36
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	3	2	2	2	2	1	2	2	2	2	1	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2	3	2	
				SP	SP						SP	SP				SP	SP				SP	SP						SP	SP				SP			
VEHICLE SIGNAL Ø21	3	3							3					3					3				3													
VEHICLE SIGNAL Ø24	3	3							3					3					3				3													
VEHICLE SIGNAL Ø27	3	3							3					3					3				3													
PED SIGNAL Ø28P	2	2							2					2					2				2													
APS PPB FOR XING VAN NESS NS ON POLE A	2	2							2					2					2				2													
VEHICLE SIGNAL Ø85		3	3						3					3					3				3													
PED SIGNAL Ø89P		2	2						2					2					2				2													
APS PPB FOR XING GEARY ES ON POLE B		2	2						2					2					2				2													
PED SIGNAL Ø29P						2	2			2					2					2			2													
PED SIGNAL Ø48P						2	2			2					2					2			2													
APS PPB FOR XING GEARY ES ON POLE C						2	2			2					2					2			2													
APS PPB FOR XING VAN NESS SS ON POLE C						2	2			2					2					2			2													
VEHICLE SIGNAL Ø25							3	3			3				3					3			3													
APS PPB FOR XING VAN NESS SS ON POLE E												2			2							2														
APS PPB FOR XING VAN NESS SS ON POLE F																		2		2																
VEHICLE SIGNAL Ø65																										3		3						3		
PED SIGNAL Ø69P																										2		2						2		
APS PPB FOR XING VAN NESS NS ON POLE J																										2		2						2		
VEHICLE SIGNAL Ø81																											3		3						3	
VEHICLE SIGNAL Ø84																											3		3						3	
PED SIGNAL Ø88P																											2		2						2	
APS PPB FOR XING GEARY WS ON POLE I																											2		2						2	
VEHICLE SIGNAL Ø82																																				3
PED SIGNAL Ø49P																																				2
APS PPB FOR XING GEARY WS ON POLE H																																				2
VEHICLE SIGNAL Ø61																																				3
VEHICLE SIGNAL Ø64																																				3
VEHICLE SIGNAL Ø67																																				3
PED SIGNAL Ø68P																																				2
APS PPB FOR XING VAN NESS SS ON POLE G																																				2
#14 NEUTRAL	4	2				2	1																			2	3							2	4	
#14 SPARE			3					3	3	3				3	3					3	3			6				3							3	
TOTAL #14 WIRES	17	9	23			10	4	14	23	14			2	23	16				2	23	18			41	9	13	20			9	17	40				
#10 WIRES NEUTRAL			1				1	1	1				1	1						1	1			2			1							2		
#6 WIRES (120 V SERVICE)																																			2	
#8 WIRES (120 V SERVICE)																																				2
#6 BSCW (SEE GENERAL NOTE 10)																																				
TSP RECEIVER (10 CONDUCTOR CABLE)																																				1
CCTV CAMERA WIRES (CAT5e & 3#18)																																				1

T:\I.E. FILES\Sign\Projects\Van Ness BRT\Signal Design\CADD\CPTB401EIBS - 100% Revised.dwg Mwangi Tue Nov 24, 2015 - 4:15 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED <i>R. King</i>
DRAWN <i>R. King</i>
CHECKED <i>A. Mwangi</i>
REVIEWED <i>A. Mwangi</i>
RECOMMENDED <i>A. Mwangi</i>
APPROVED <i>R. King</i>
DATE 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

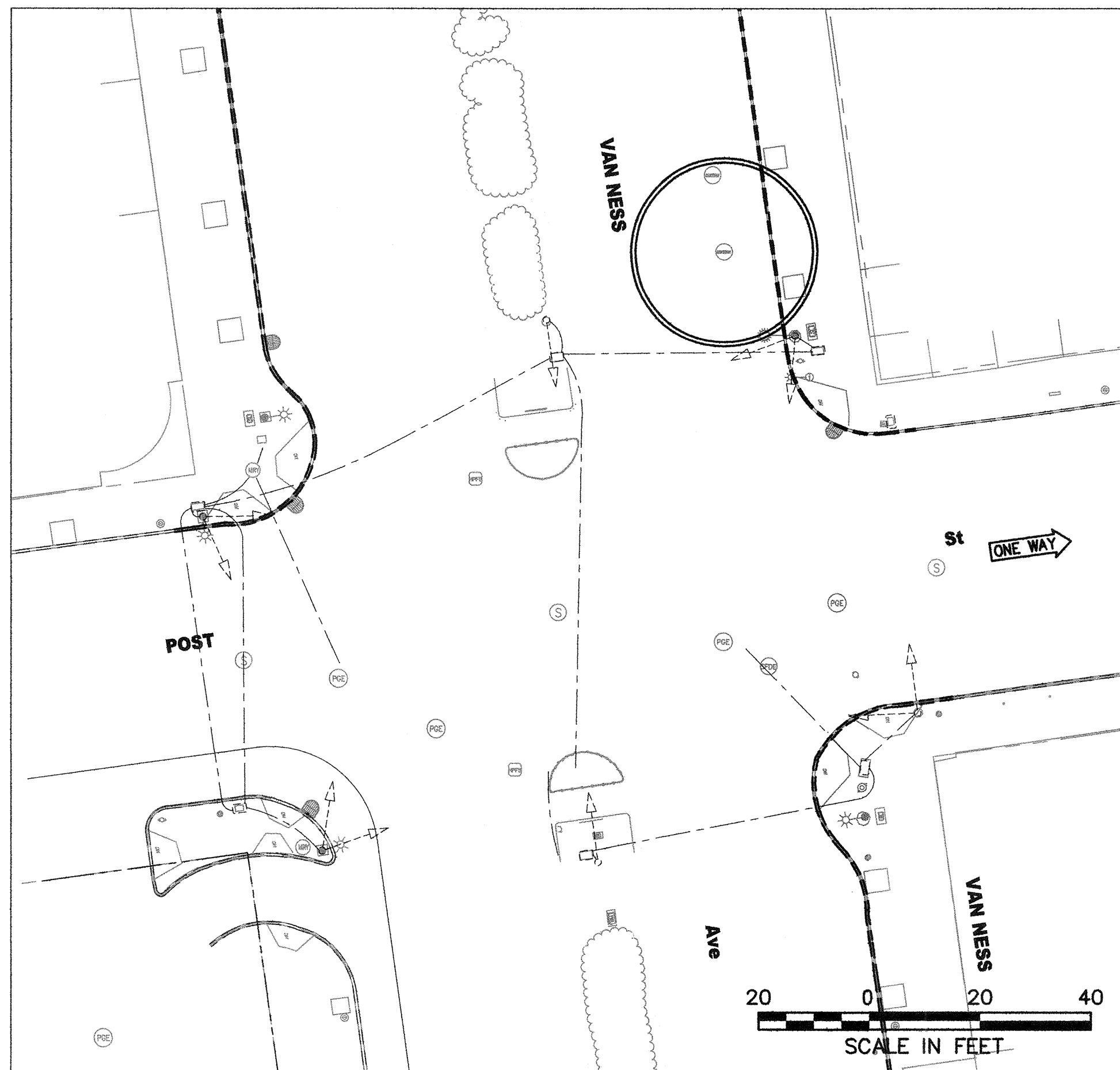
**GEARY STREET
CONDUIT & WIRING SCHEDULES**

1289

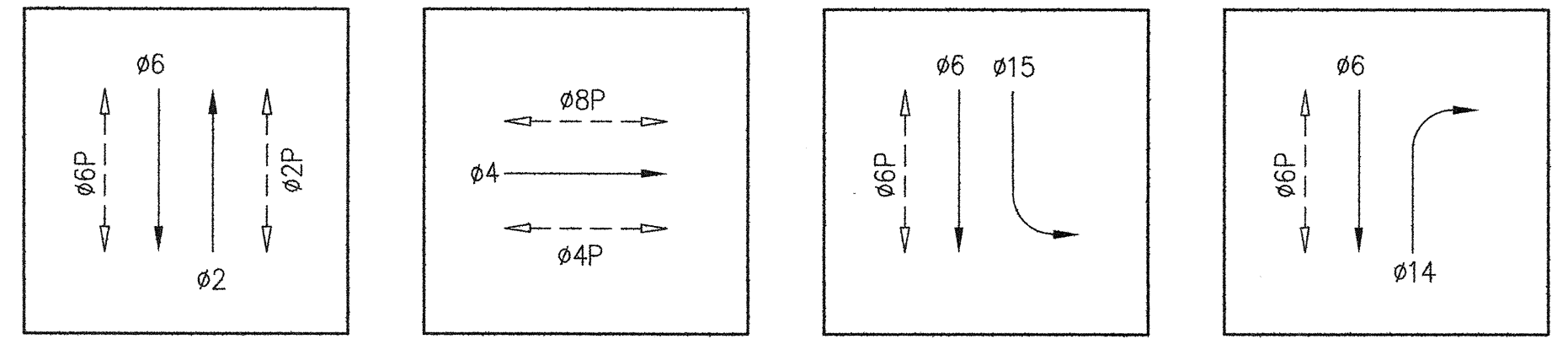
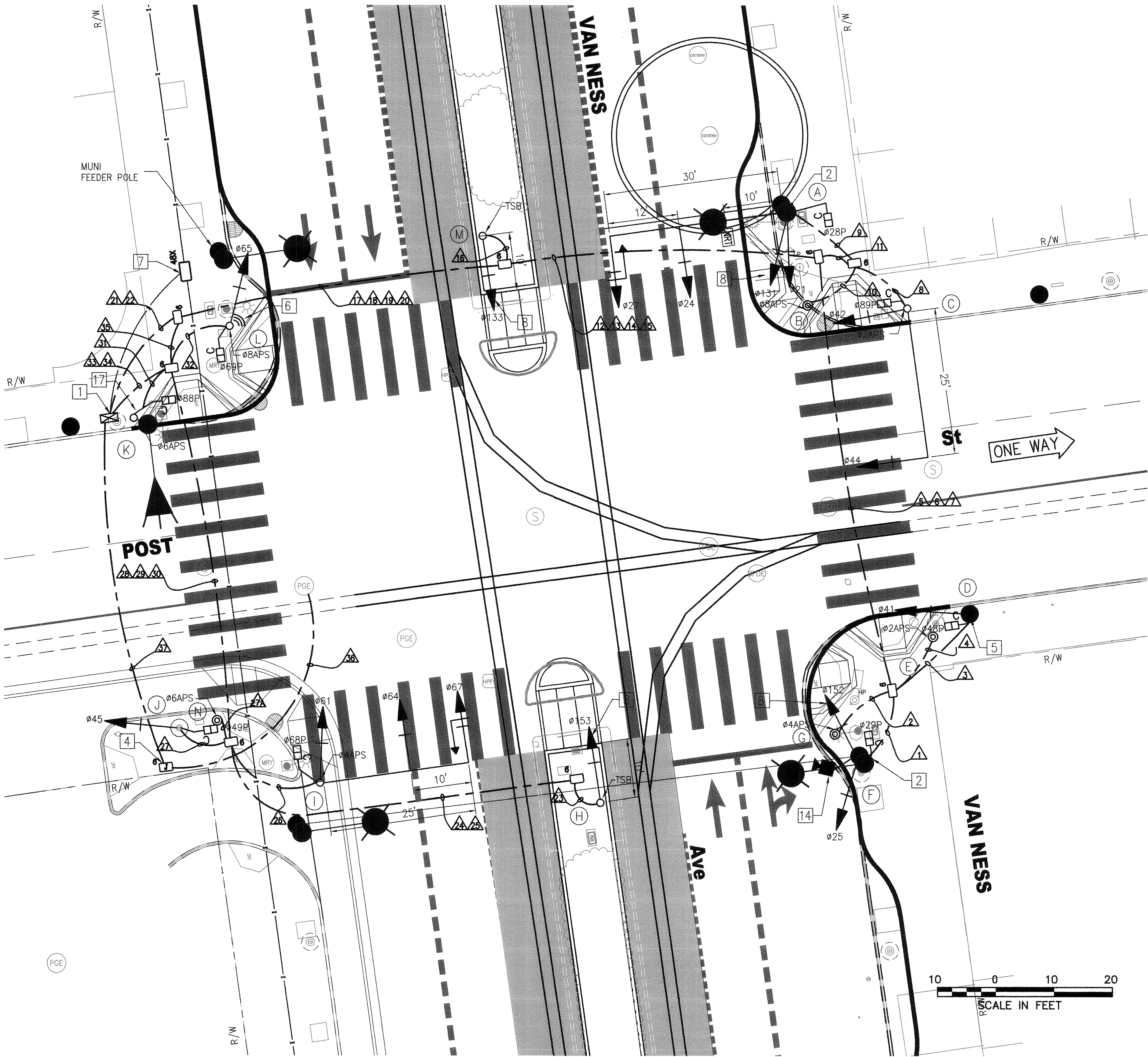
ET-112.2

ET-204

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 BORDER REVISED 11/17/05



EXISTING EQUIPMENT



PHASE DIAGRAM

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/9/1015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED: *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
POST STREET TRAFFIC SIGNAL WORK

1289
 ET-113.0
 ET-204

POLE AND EQUIPMENT SCHEDULE

POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
(A)	SIGNAL, SL & OCS COMBO POLE	30	1204	21 24 27 131	3S12" 3S12" 3S12"GUA 3S12"RB	SV-1-T MAS MAS SV-1-T	T T T T		28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH SIGNAL 131 MOUNT AT 15' HIGH "NO RIGHT TURN" BLANK-OUT SIGN
(B)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	APS ①
(C)	18-2-100	25		42 44	3S12" 3S12"	SV-1-T MAS	T T		89	1S-COUNT	SP-1	-	APS ①
(D)	SIGNAL & OCS COMBO POLE	-	1197	41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	-	
(E)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	APS ①
(F)	SIGNAL, SL & OCS COMBO POLE	-	1152 118	25 152	3S12" 3S12"LB	SV-2-TA	T T		29	1S-COUNT	SP-1	-	TRAFFIC CAMERA ③
(G)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	APS ①
(H)	1-A (10')	-		153	3S12"LB	TV-1-T	T		-	-	-	-	TSB
(I)	SPECIAL MAST ARM POLE (18-3-100)	25		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		68	1S-COUNT	SP-1	-	APS ① COORDINATE W/ CPMC HOSPITAL CONSTRUCTION
(J)	EX. SIGNAL & OCS COMBO POLE	-	1201	45	3S12"	SV-1-T	T		49	1S-COUNT	SP-1	-	COORDINATE W/ CPMC HOSPITAL CONSTRUCTION
(K)	SIGNAL & SL COMBO POLE	-		-	-	-	-	-	88	1S-COUNT	SP-1	-	APS ①
(L)	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	APS ① TSP ②
(M)	1-A (10')	-		133	3S12"RB	TV-1-T	T		-	-	-	-	TSB
(N)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	APS ①

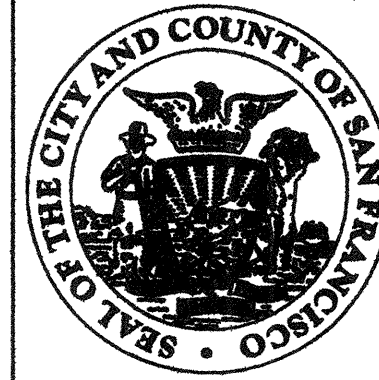
*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- ① INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- ② INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- ③ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

T:\LFILES\Projects\Van Ness BRT\Signal Design\CADD\CP78-401E1B5 - 100% Revise.dwg Ikewong Mon Nov 23, 2015 - 12:24 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		
POST STREET	ET-113.1	REVISION
CONDUCTOR POLE AND EQUIPMENT SCHEDULES	ET-204	

CONDUIT AND WIRING SCHEDULE

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	25	26	27	27A	28	29	30	31	32	33	34	35	36	37	
CONDUIT SIZE (INCH)	2	1	2	1	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	2	2	2	2	2	3	2	2	3	2	
TRANSIT SIGNAL Ø152	3				3							3					3				3																		
VEHICLE SIGNAL Ø25	3				3							3					3				3																		
PED SIGNAL Ø29P	2				2							2					2				2																		
APS PPB FOR XING VAN NESS SS ON POLE G		2			2							2					2				2																		
VEHICLE SIGNAL Ø41			3		3							3					3				3																		
PED SIGNAL Ø48P			2		2							2					2				2																		
APS PPB FOR XING POST ES ON POLE D				2	2							2					2				2																		
VEHICLE SIGNAL Ø42								3			3		3					3				3																	
VEHICLE SIGNAL Ø44								3			3		3					3				3																	
PED SIGNAL Ø89P								2			2		2					2				2																	
APS PPB FOR XING POST ES ON POLE C								2			2		2					2				2																	
TRANSIT SIGNAL Ø131									3		3		3					3				3																	
VEHICLE SIGNAL Ø21									3		3		3					3				3																	
VEHICLE SIGNAL Ø24									3		3		3					3				3																	
VEHICLE SIGNAL Ø27									3		3		3					3				3																	
PED SIGNAL Ø28P									2		2		2					2				2																	
APS PPB FOR XING VAN NESS NS ON POLE B									2		2		2					2				2																	
TRANSIT SIGNAL Ø133																3		3				3																	
TRANSIT SIGNAL Ø153																							3	3					3								2		
VEHICLE SIGNAL Ø61																											3		3								3		
VEHICLE SIGNAL Ø64																											3		3								3		
VEHICLE SIGNAL Ø67																											3		3								3		
PED SIGNAL Ø68P																											2		2								2		
APS PPB FOR XING VAN NESS SS ON POLE I																											2		2								2		
VEHICLE SIGNAL Ø45																												3		3							3		
PED SIGNAL Ø49P																												2		2							2		
APS PPB FOR XING POST WS ON POLE N																												2		2							2		
PED SIGNAL Ø88P																																				2		2	
APS PPB FOR XING POST WS ON POLE K																																					2		
VEHICLE SIGNAL Ø65																																				3	3		
PED SIGNAL Ø69P																																				2	2		
APS PPB FOR XING VAN NESS NS ON POLE L																																				2	2		
#14 NEUTRAL	3		2					3	5							1											4	2					1	2					
#14 SPARE					3						3	3	3				3	3				3	3		3											3			
TOTAL #14 WIRES	11	2	7	2	20			13	19	2	29	20	29			4	20	32				20	32	3	6		17	7	2	26			5	9	37				
#10 WIRES NEUTRAL					1						1	1	1				1	1				1	1	1												3			
#6 WIRES (120 V SERVICE)																																					2		
#8 WIRES (120 V SERVICE)																																						2	
#6 BSCW (SEE GENERAL NOTE 10)																																							
TSP RECEIVER (10 CONDUCTOR CABLE)																																				1	1		
NO RIGHT TURN EMS WIRES (1#14, 1#10 & 1#6 GROUND)										1		1		1																								1	
CCTV CAMERA WIRES (CAT5e & 3#18)	1				1							1					1						1																

DETAIL NOTES:

- FOR VMS CONDUIT AND WIRING, CONTRACTOR SHALL REFER TO SHEET ET-133.

T:_FILES\SP\Projects\Van Ness BRT\Signal Design\CADD\CPTB401ETBS - 100% Revised.dwg Ikronog Mon Nov 23:2015 - 12:24 pm

NO.	DATE	DESCRIPTION	REVISION	CHECKED	APPROVED

DESIGNED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED: *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

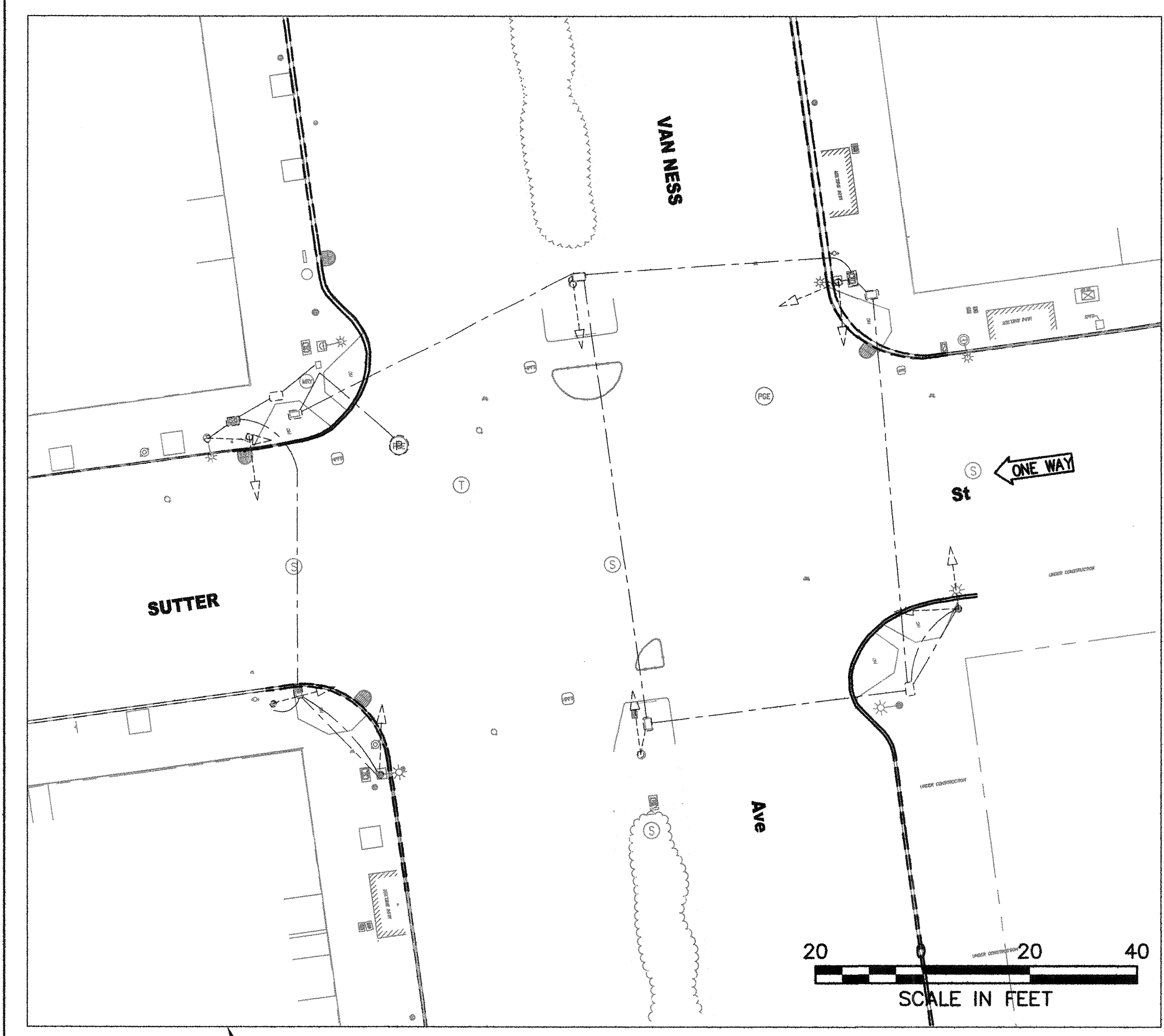
MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

POST STREET
 CONDUIT & WIRING SCHEDULES

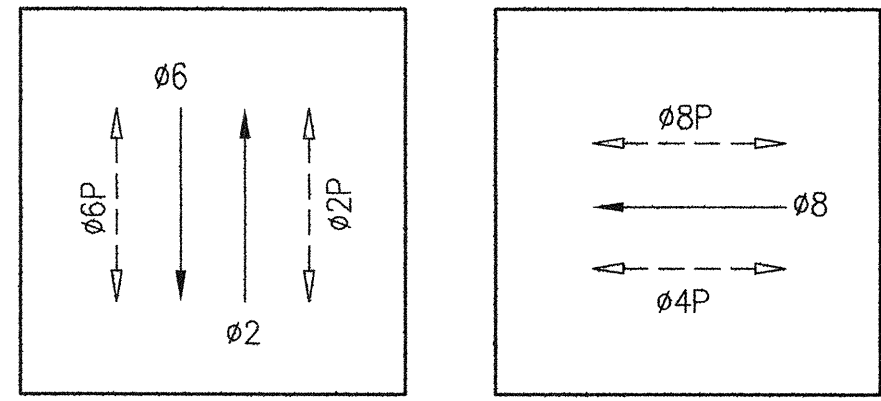
1289

ET-113.2
 ET-204

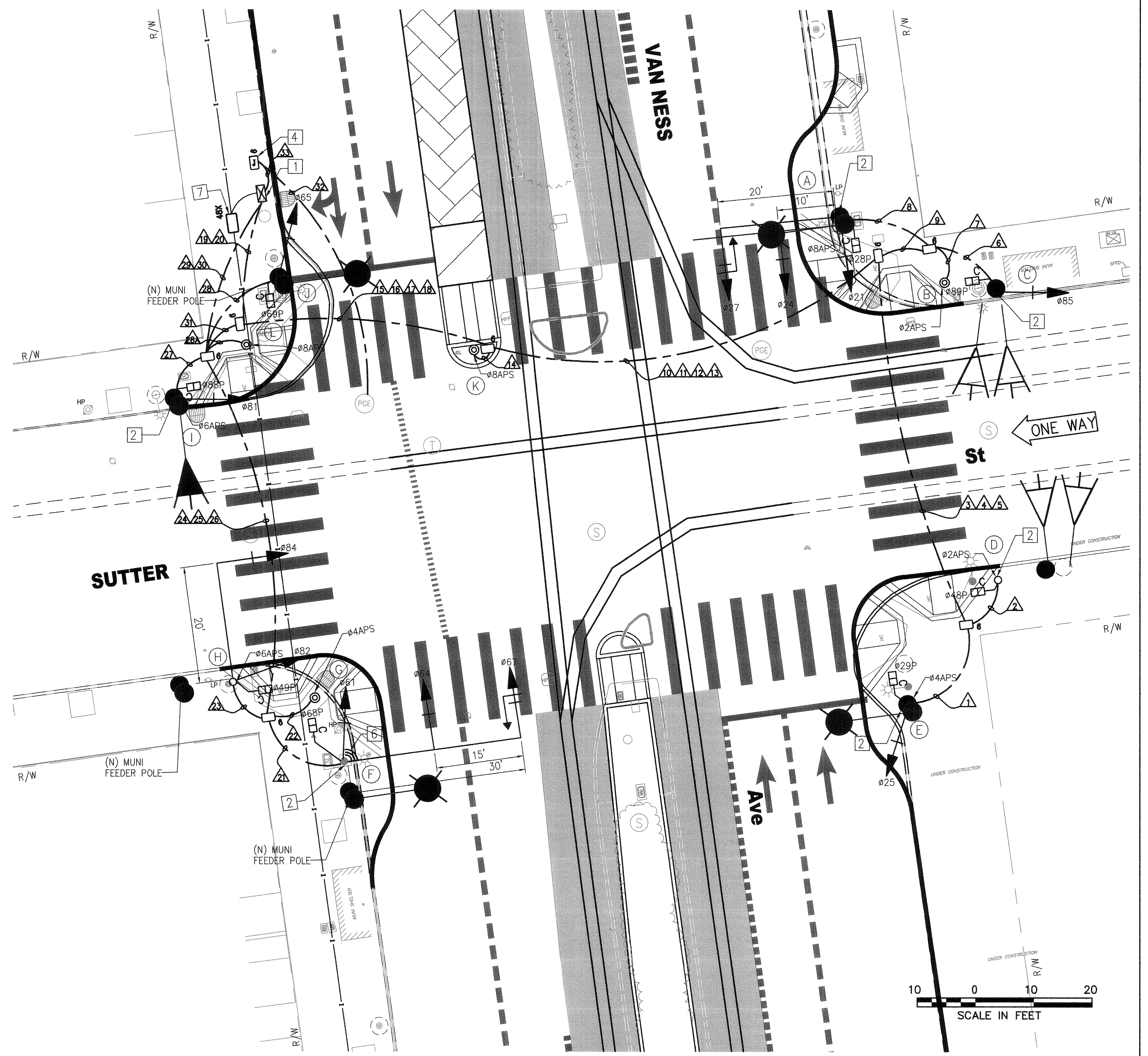
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EXISTING EQUIPMENT



PHASE DIAGRAM



NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED	DRAWN	CHECKED	REVIEWED	RECOMMENDED	APPROVED	DATE
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

SUTTER STREET
TRAFFIC SIGNAL WORK

1289	REVISION
ET-114.0	
ET-204	

POLE AND EQUIPMENT SCHEDULE														
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS	
	TYPE	SIG. MA (FEET)	OCS SL	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING			
(A)	SIGNAL, SL & OCS COMBO POLE	20	1304	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			28	1S-COUNT	SP-1	-	APS ①
(B)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS ①
(C)	SIGNAL, SL & OCS COMBO POLE	-	1288	85	3S12"	SV-1-T	T			89	1S-COUNT	SP-1	-	
(D)	1-A (7')	-		-	-	-	-	-	-	48	1S-COUNT	TP-1	-	APS ①
(E)	SIGNAL, SL & OCS COMBO POLE	-	1242 128	25	3S12"	SV-1-T	T			29	1S-COUNT	SP-1	-	APS ①
(F)	SPECIAL MAST ARM POLE (18-3-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			68	1S-COUNT	SP-1	-	
(G)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS ①
(H)	16-2-100	20		82 84	3S12" 3S12"	SV-1-T MAS	T T			49	1S-COUNT	SP-1	-	SIGNAL 82 MOUNT AT 13' HIGH APS ①
(I)	SIGNAL, SL & OCS COMBO POLE	-	1300A 132	81	3S12"	SV-1-T	T			88	1S-COUNT	SP-1	-	SIGNAL 81 MOUNT AT 13' HIGH APS ①
(J)	SIGNAL, SL & OCS COMBO POLE (FEEDER)	-	1300B 131	65	3S12"	SV-1-T	T			69	1S-COUNT	SP-1-T	-	TSP ② EXTERNAL CONDUIT
(K)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS ①
(L)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS ①

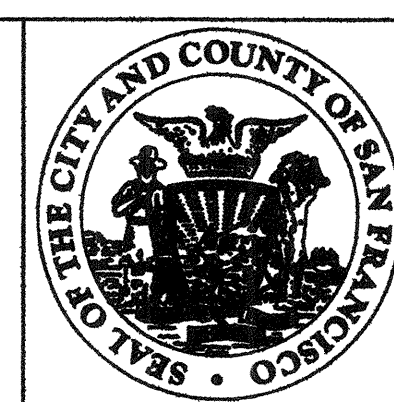
*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
 FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- ① INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- ② INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- ③ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

T:\T_E_FILES\Spgo\Projects\Van Ness BRT\Signal Design\CADD\CP18401ETBS - 100% Release.dwg ikwong Mon Nov 23 2015 - 12:25 pm
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NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

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RECOMMENDED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

SUTTER STREET
 CONDUCTOR POLE AND EQUIPMENT SCHEDULES



1289	REVISION
ET-114.1	
ET-204	

POLE AND EQUIPMENT SCHEDULE														
POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS	
	TYPE	SIG. MA (FEET)	OCS ^{10'} SL ^{10'}	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING			
(A)	SIGNAL, SL & OCS COMBO POLE	30	1400 142	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH APS ①
(B)	18-2-100	25		42 44	3S12" 3S12"	SV-1-T MAS	T T			89	1S-COUNT	SP-1	-	APS ①
(C)	EXISTING SL	-		41	3S12"	SV-1-T	T			48	1S-COUNT	SP-1	-	APS ①
(D)	SIGNAL, SL & OCS COMBO POLE	-	1356 138	25	3S12"	SV-1-T	T			29	1S-COUNT	SP-1	-	APS ①
(E)	PPBP POLE	-		-	-	-	-			-	-	-	-	APS ①
(F)	SPECIAL MAST ARM POLE (18-3-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			68	1S-COUNT	SP-1	-	SIGNAL MAST ARM MOUNT AT 20' HIGH APS ①
(G)	1-A (10')	-		45	3S12"	TV-1-T	T			49	1S-COUNT	SP-1	-	APS ①
(H)	EXISTING SL	-		-	-	-	-			88	1S-COUNT	SP-1	-	APS ①
(I)	1-A (10')	-		65	3S12"	TV-1-T	T			69	1S-COUNT	SP-1	-	APS ① TSP ②

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- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

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DESIGNED: <i>[Signature]</i>								CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED: <i>[Signature]</i> for the DIRECTOR OF TRANSPORTATION	MUNI BUS RAPID TRANSIT SYSTEM		1289
DRAWN: <i>[Signature]</i>									VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		
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REVIEWED: <i>[Signature]</i>											
RECOMMENDED: <i>[Signature]</i>											
APPROVED: <i>[Signature]</i>											
DATE: 12/4/2015											
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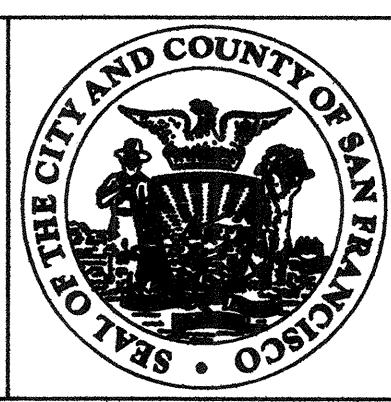
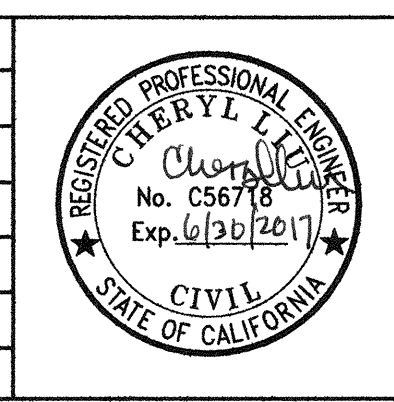
CONDUIT AND WIRING SCHEDULE

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	25	26	27	28	29	
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
APS PPB FOR XING VAN NESS SS ON POLE E	2	2	SP				SP	SP						SP	SP		SP				SP	SP	EX			SP	SP			
VEHICLE SIGNAL Ø25				3	3							3				3														
PED SIGNAL Ø29P				2	2							2				2														
APS PPB FOR XING VAN NESS SS ON POLE D				2	2							2				2														
VEHICLE SIGNAL Ø41					3	3						3				3														
PED SIGNAL Ø48P					2	2						2				2														
APS PPB FOR XING BUSH ES ON POLE C					2	2						2				2														
VEHICLE SIGNAL Ø42									3	3		3				3														
VEHICLE SIGNAL Ø44									3	3		3				3														
PED SIGNAL Ø89P									2	2		2				2														
APS PPB FOR XING BUSH ES ON POLE B									2	2		2				2														
VEHICLE SIGNAL Ø21										3	3		3			3														
VEHICLE SIGNAL Ø24										3	3		3			3														
VEHICLE SIGNAL Ø27										3	3		3			3														
PED SIGNAL Ø28P										2	2		2			2														
APS PPB FOR XING VAN NESS NS ON POLE A										2	2		2			2														
VEHICLE SIGNAL Ø61																		3	3							3				
VEHICLE SIGNAL Ø64																		3	3							3				
VEHICLE SIGNAL Ø67																		3	3							3				
PED SIGNAL Ø68P																		2	2							2				
APS PPB FOR XING VAN NESS SS ON POLE F																		2	2							2				
VEHICLE SIGNAL Ø45																			3	3						3				
PED SIGNAL Ø49P																			2	2						2				
APS PPB FOR XING BUSH WS ON POLE G																			2	2						2				
PED SIGNAL Ø88P																							2			2				
APS PPB FOR XING BUSH WS ON POLE H																										2				
VEHICLE SIGNAL Ø65																										3	3			
PED SIGNAL Ø69P																										2	2			
APS PPB FOR XING VAN NESS NS ON POLE I																										2	2			
#14 NEUTRAL				2	2				3	4								4	2					1	2					
#14 SPARE						3					3	3	3			6										3				
TOTAL #14 WIRES	2	2		9	9	19			13	17		26	19	26		45	17	9	23				5	9	34					
#10 WIRES NEUTRAL						1					1	1	1			2				1					2					
#6 WIRES (120 V SERVICE)																												2		
#8 WIRES (120 V SERVICE)																													2	
#6 BSCW (SEE GENERAL NOTE 10)																														
TSP RECEIVER (10 CONDUCTOR CABLE)																										1	1			

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NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

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 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED: *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

BUSH STREET
 CONDUIT & WIRING SCHEDULES

1289

ET-115.2
 ET-204

POLE AND EQUIPMENT SCHEDULE														
POLE NO.	POLE STANDARD			VEHICLE SIGNAL				PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS		
	TYPE	SIG. MA (FEET)	OCS ^{HP} SL ^{SL}	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE			MOUNTING	
A	SIGNAL, SL & OCS COMBO POLE	30	1500 152	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH APS ①
B	1-A (10')	-		85	3S12"	TV-1-T	T			89	1S-COUNT	SP-1	-	APS ①
C	EXISTING SL	-		-	-	-	-			48	1S-COUNT	SP-1	-	APS ① TRAFFIC CAMERA ③
D	SIGNAL, SL & OCS COMBO POLE	-	1482 148	25	3S12"	SV-1-T	T			29	1S-COUNT	SP-1	-	APS ①
E	1-A (10')	-		153	3S12"RB	TV-1-T	T			-	-	-	-	
F	SPECIAL MAST ARM POLE (18'-3'-100)	30		61 64 67 151	3S12" 3S12" 3S12"GUA 3B12"RB	SV-1-T MAS MAS SV-1-T	T T T T			68	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH SIGNAL 151 MOUNT AT 15' HIGH "NO RIGHT TURN" BLANK-OUT SIGN APS ①
G	18-2-100	25		82 84	3S12" 3S12"	SV-1-T MAS	T T			49	1S-COUNT	SP-1	-	SIGNAL 82 MOUNT AT 13' APS ①
H	1-A (7')	-		-	-	-	-			88	1S-COUNT	TP-1	-	APS ①
I	18-2-100	25		65 87	3S12" 3S12"	SV-1-T MAS	T T			69	1S-COUNT	SP-1	-	APS ① TSP ②
J	TSB POLE	-		-	-	-	-			-	-	-	-	TSB

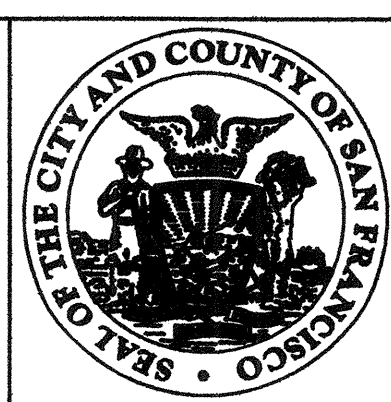
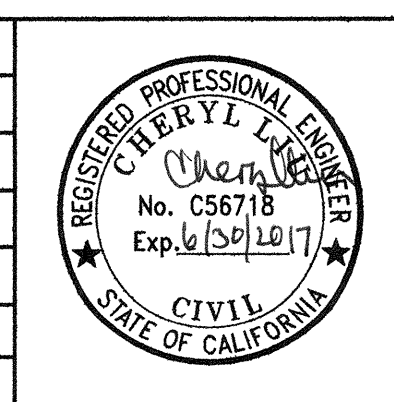
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- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

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NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED	<i>R. King</i>
DRAWN	<i>R. King</i>
CHECKED	<i>Chen</i>
REVIEWED	<i>Chen</i>
RECOMMENDED	<i>Chen</i>
APPROVED	<i>R. King</i>
DATE	12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PINE STREET
CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289	REVISION
ET-116.1	
ET-204	

CONDUIT AND WIRING SCHEDULE

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	25	26	27	28	29	30	31	32	33	34		
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	2	3	2	2	3	2		
				SP	SP						SP	SP				SP	SP		SP	GRS		SP					SP	SP			SP	SP				
VEHICLE SIGNAL 021	3		3						3					3				3																		
VEHICLE SIGNAL 024	3		3						3					3				3																		
VEHICLE SIGNAL 027	3		3						3					3				3																		
PED SIGNAL 028P	2		2						2					2				2																		
APS PPB FOR XING VAN NESS NS ON POLE A	2		2						2					2				2																		
VEHICLE SIGNAL 085		3	3						3					3				3																		
PED SIGNAL 089P		2	2						2					2				2																		
APS PPB FOR XING PINE ES ON POLE B		2	2						2					2				2																		
PED SIGNAL 048P						2		2		2						2		2																		
APS PPB FOR XING PINE ES ON POLE C						2		2		2						2		2																		
VEHICLE SIGNAL 025							3	3		3					3			3																		
PED SIGNAL 029P							2	2		2					2			2																		
APS PPB FOR XING VAN NESS SS ON POLE D							2	2		2					2			2																		
TRANSIT SIGNAL 0153													2		2																					
TSB ON POLE J																					2	2				2										
VEHICLE SIGNAL 065																								3	3											
VEHICLE SIGNAL 087																								3	3											
PED SIGNAL 069P																								2	2											
APS PPB FOR XING VAN NESS NS ON POLE I																								2	2											
PED SIGNAL 088P																									2	2										
APS PPB FOR XING PINE WS ON POLE H																									2	2										
VEHICLE SIGNAL 082																																				
VEHICLE SIGNAL 084																																				
PED SIGNAL 049P																																				
APS PPB FOR XING PINE WS ON POLE G																																				
TRANSIT SIGNAL 0151																																				
VEHICLE SIGNAL 061																																				
VEHICLE SIGNAL 064																																				
VEHICLE SIGNAL 067																																				
PED SIGNAL 068P																																				
APS PPB FOR XING VAN NESS SS ON POLE F																																				
#14 NEUTRAL	4	2				1	2																	3	1				3	5						
#14 SPARE			3					3	3	3					3	3		6								3									3	
TOTAL #14 WIRES	17	9	23			5	9	14	23	14				2	23	16		39		2	2				13	5	19			13	21	45				
#10 WIRES NEUTRAL			1					1	1	1				1	1	2		3								1									2	
#6 WIRES (120 V SERVICE)																																			2	
#8 WIRES (120 V SERVICE)																																				2
#6 BSCW (SEE GENERAL NOTE 10)																																				
TSP RECEIVER (10 CONDUCTOR CABLE)																																				1
NO RIGHT TURN EMS WIRES (1#14, 1#10 & 1#6 GROUND)																																				1
CCTV CAMERA WIRES (CAT5e & 3#18)						1		1		1					1			1																		

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NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

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 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 7/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

[Signature]
 APPROVED
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

PINE STREET
 CONDUIT & WIRING SCHEDULES

1289

ET-116.2
 ET-204

REVISION

POLE AND EQUIPMENT SCHEDULE

POLE NO.	POLE STANDARD			VEHICLE SIGNAL				PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS	
	TYPE	SIG. MA (FEET)	OCS ^{NO.} SL ^{NO.}	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE			MOUNTING
Ⓐ	SIGNAL, SL & OCS COMBO POLE	30	1600 162	21 24 27 131	3S12" 3S12" 3S12"GUA 3S12"RB	SV-1-T MAS MAS SV-1-T	T T T T		28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH SIGNAL 131 MOUNT AT 15' HIGH "NO RIGHT TURN" BLANK-OUT SIGN APS ①
Ⓑ	1-A (10')	-		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	-	APS ①
Ⓒ	PPBP POLE	-		-	-	-	-		-	-	-	-	APS ①
Ⓓ	17-2-100	20	163	41 44	3S12" 3S12"	SV-1-T MAS	T T		48	1S-COUNT	SP-1	-	APS ① TRAFFIC CAMERA ③
Ⓔ	SIGNAL, SL & OCS COMBO POLE	-	1560 158	25	3S12"	SV-1-T	T		29	1S-COUNT	SP-1	-	APS ①
Ⓕ	TSB POLE	-		-	-	-	-		-	-	-	-	TSB
Ⓖ	SPECIAL MAST ARM POLE (18-3-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T		68	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH APS ①
Ⓗ	1-A (10')	-		82 45	3S12" 3S12"	TV-2-T	T T		49	1S-COUNT	SP-1	-	APS ①
Ⓘ	17-2-100	20	172	81 84	3S12" 3S12"	SV-1-T MAS	T T		88	1S-COUNT	SP-1	-	APS ①
Ⓙ	1-A (10')	-		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	-	APS ① TSP ②
Ⓚ	1-A (10')	-		133	3S12"RB	TV-1-T	T		-	-	-	-	

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- ④ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

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NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

CALIFORNIA STREET
 CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289	REVISION
ET-117.1	
ET-204	

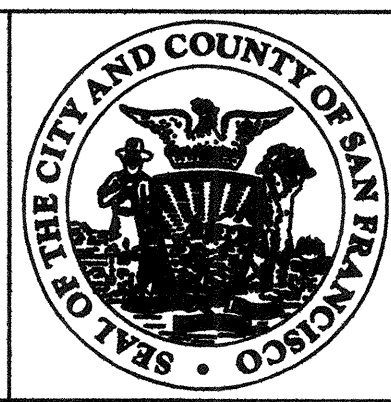
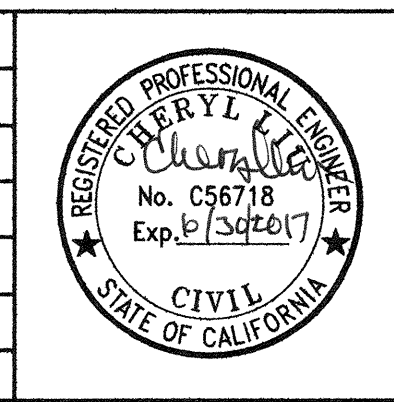
CONDUIT AND WIRING SCHEDULE

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	25	26	27	28	29	30	31	32	33	34	35	36	37	38
CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	2	3	2	2	3	2
VEHICLE SIGNAL 025				SP	SP			SP	SP						SP	SP					SP	SP		GRS		SP					SP	SP				SP	SP	
VEHICLE SIGNAL 029P	3	3					3					3						3				3																
PED SIGNAL 029P	2	2					2					2						2				2																
APS PPB FOR XING VAN NESS SS ON POLE E	2	2					2					2						2				2																
VEHICLE SIGNAL 041		3	3				3					3						3				3																
VEHICLE SIGNAL 044		3	3				3					3						3				3																
PED SIGNAL 048P		2	2				2					2						2				2																
APS PPB FOR XING CALIFORNIA ES ON POLE D		2	2				2					2						2				2																
APS PPB FOR XING CALIFORNIA ES ON POLE C						2	2					2						2				2																
VEHICLE SIGNAL 042										3	3	3						3				3																
VEHICLE SIGNAL 085										3	3	3						3				3																
PED SIGNAL 089P										2	2	2						2				2																
APS PPB FOR XING CALIFORNIA ES ON POLE B										2	2	2						2				2																
TRANSIT SIGNAL 0131											3	3	3					3				3																
VEHICLE SIGNAL 021											3	3	3					3				3																
VEHICLE SIGNAL 024											3	3	3					3				3																
VEHICLE SIGNAL 027											3	3	3					3				3																
PED SIGNAL 028P											2	2	2					2				2																
APS PPB FOR XING VAN NESS NS ON POLE A											2	2	2					2				2																
TRANSIT SIGNAL 0133																	3	3				3																
TSB ON POLE F																								2	2												2	
VEHICLE SIGNAL 061																										3	3										3	
VEHICLE SIGNAL 064																										3	3										3	
VEHICLE SIGNAL 067																										3	3										3	
PED SIGNAL 068P																										2	2										2	
APS PPB FOR XING VAN NESS SS ON POLE G																										2	2										2	
VEHICLE SIGNAL 045																											3	3									3	
VEHICLE SIGNAL 082																											3	3									3	
PED SIGNAL 049P																											2	2									2	
APS PPB FOR XING CALIFORNIA WS ON POLE H																											2	2									2	
VEHICLE SIGNAL 081																																				3	3	
VEHICLE SIGNAL 084																																				3	3	
PED SIGNAL 088P																																				2	2	
APS PPB FOR XING CALIFORNIA WS ON POLE I																																				2	2	
VEHICLE SIGNAL 065																																				3	3	
PED SIGNAL 069P																																				2	2	
APS PPB FOR XING VAN NESS NS ON POLE J																																				2	2	
#14 NEUTRAL	2	3								2	5						1									4	2							3	2			
#14 SPARE			3				3					3	3	3				3	3			3	3												3			
TOTAL #14 WIRES	9	13	20			2	22			13	22	29	22	29			4	22	32			22	32	2	2	17	13	26				13	9	43				
#10 WIRES NEUTRAL			1				1					1	1	1				1	1			1	1												2			
#6 WIRES (120 V SERVICE)																																					2	
#8 WIRES (120 V SERVICE)																																					2	
#6 BSCW (SEE GENERAL NOTE 10)																																						
TSP RECEIVER (10 CONDUCTOR CABLE)																																					1	1
NO RIGHT TURN EMS WIRES (1#14, 1#10 & 1#6 GROUND)											1	1	1									1																
CCTV CAMERA WIRES (CAT5e & 3#18)	1	1					1					1						1				1																

I:\V_L_FILES\Spgo\Projects\Van Ness BRT\Signal Design\CADD\CP78401EBS.dwg Kiewit Tue Jul 07, 2015 - 3:51 pm

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RECOMMENDED <i>[Signature]</i>	APPROVED <i>[Signature]</i>
DATE 1/24/2015	



CITY AND COUNTY OF SAN FRANCISCO
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for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

**CALIFORNIA STREET
CONDUIT & WIRING SCHEDULES**

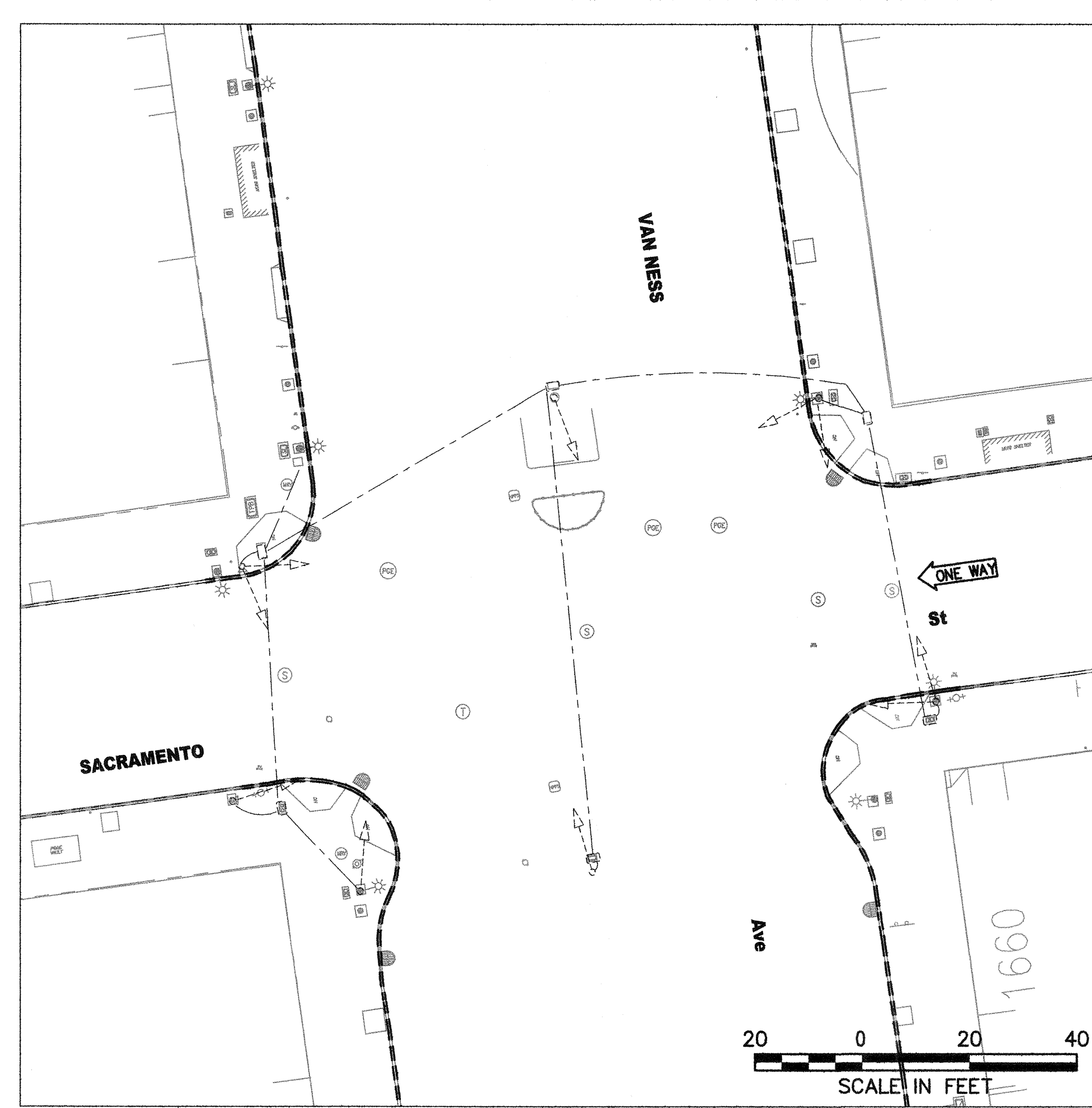
1289

REVISION

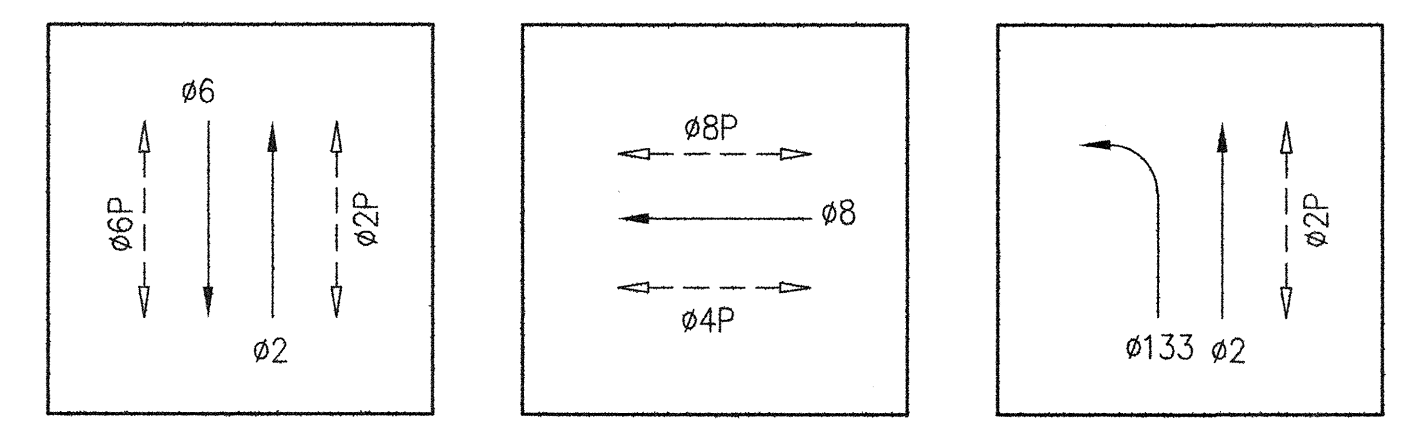
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ET-204

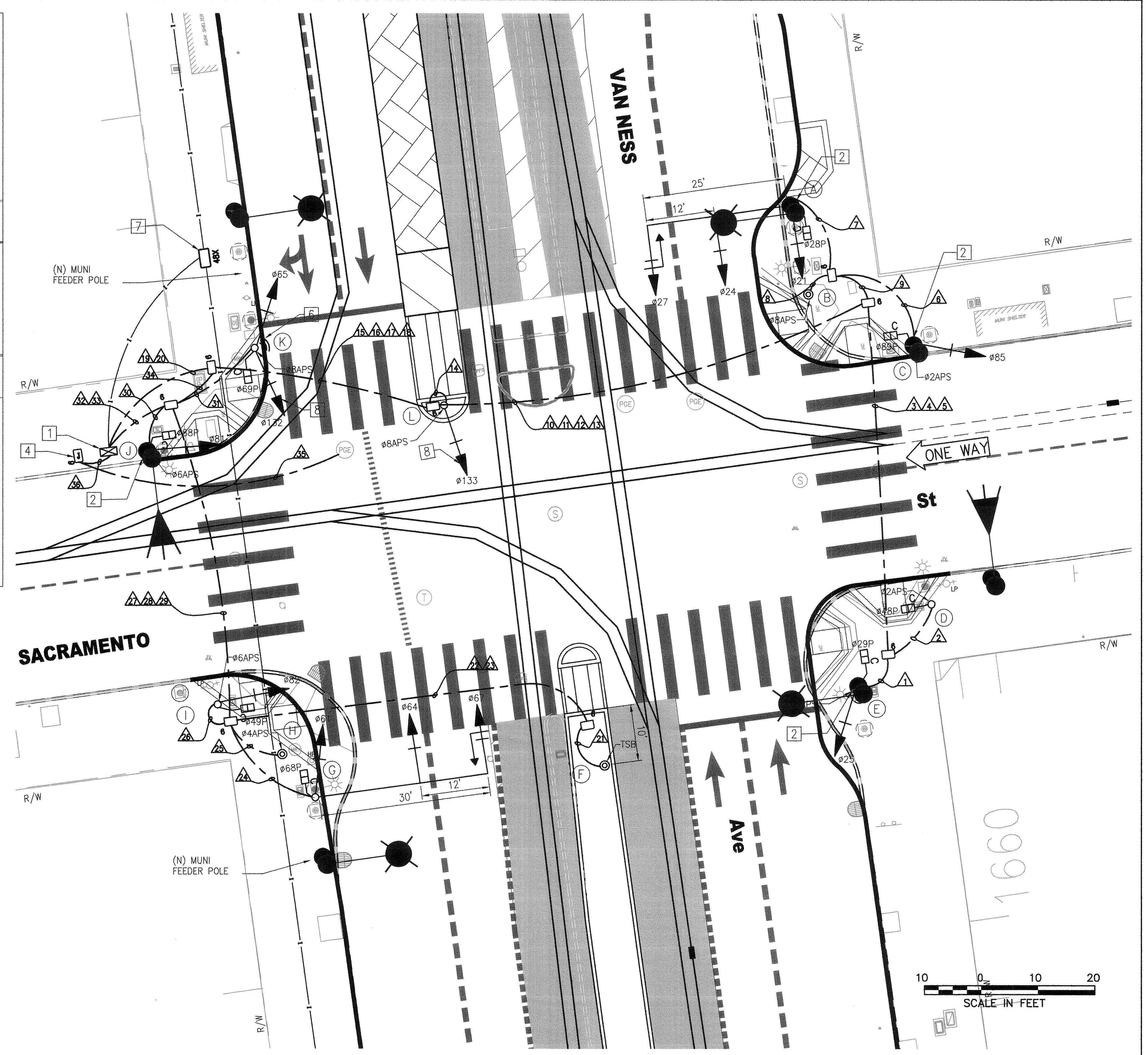
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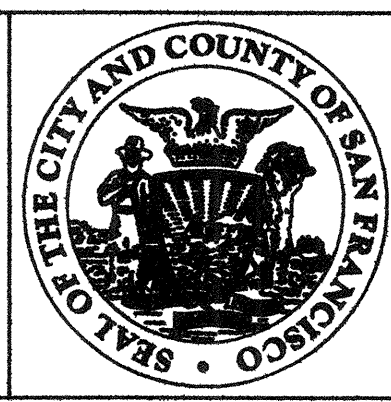
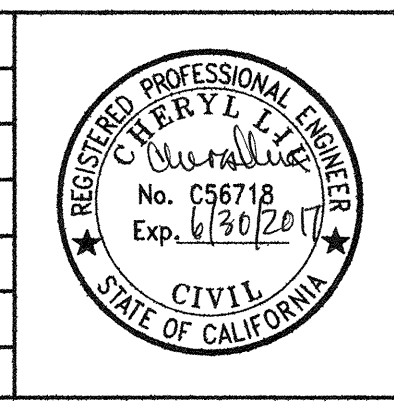
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 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED: *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 SACRAMENTO STREET
 TRAFFIC SIGNAL WORK

1289
 ET-118.0
 ET-204

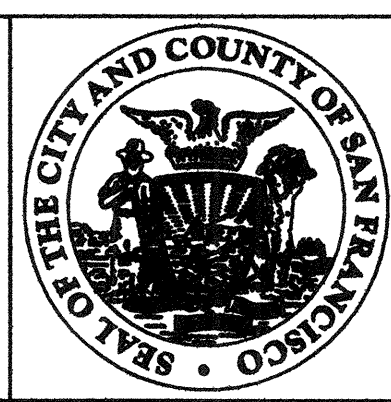
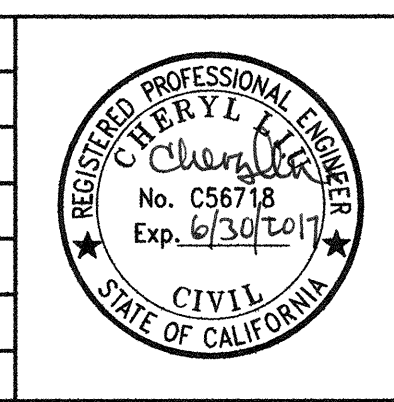
CONDUIT AND WIRING SCHEDULE

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CONDUIT SIZE (INCH)	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	1	2	2	2	2	2	3	2	2	2	3			
VEHICLE SIGNAL Ø25	3	3								3					3				3																				
PED SIGNAL Ø29P	2	2								2					2																								
APS PPB FOR XING VAN NESS SS ON POLE F	2	2								2					2																								
PED SIGNAL Ø48P		2	2							2					2																								
APS PPB FOR XING SACRAMENTO ES ON POLE E		2	2							2					2																								
VEHICLE SIGNAL Ø85						3			3		3					3																							
PED SIGNAL Ø89P						2			2		2					2																							
APS PPB FOR XING SACRAMENTO ES ON POLE C						2			2		2					2																							
VEHICLE SIGNAL Ø21							3		3		3					3																							
VEHICLE SIGNAL Ø24							3		3		3					3																							
VEHICLE SIGNAL Ø27							3		3		3					3																							
PED SIGNAL Ø28P							2		2		2					2																							
APS PPB FOR XING VAN NESS NS ON POLE B								2	2		2					2																							
TRANSIT SIGNAL Ø133															3	3																					3		
APS PPB FOR XING VAN NESS NS ON POLE M															2	2																					2		
TSB ON POLE G																					2	2														2	2		
VEHICLE SIGNAL Ø61																																					3	3	
VEHICLE SIGNAL Ø64																																					3	3	
VEHICLE SIGNAL Ø67																																					3	3	
PED SIGNAL Ø68P																																					2	2	
APS PPB FOR XING VAN NESS SS ON POLE I																																					2	2	
VEHICLE SIGNAL Ø82																																					3	3	
PED SIGNAL Ø49P																																					2	2	
APS PPB FOR XING SACRAMENTO WS ON POLE J																																					2	2	
VEHICLE SIGNAL Ø81																																					3	3	
PED SIGNAL Ø88P																																					2	2	
APS PPB FOR XING SACRAMENTO WS ON POLE K																																					2	2	
VEHICLE SIGNAL Ø65																																					3	3	
TRANSIT SIGNAL Ø132																																					3	3	
PED SIGNAL Ø69P																																					2	2	
APS PPB FOR XING VAN NESS NS ON POLE L																																					2	2	
#14 NEUTRAL	2		1			2	4								1											4	2									2	3		
#14 SPARE				3						3	3	3				3	3																				6	3	
TOTAL #14 WIRES	9		2	14		9	15	2	23	14	23				6	19	23																			42	2 2 15 2 9 25 9 13 42		
#10 WIRES NEUTRAL				1						1	1	1				1	1																				2	2	
#6 WIRES (120 V SERVICE)																																					2		
#8 WIRES (120 V SERVICE)																																						2	
#6 BSCW (SEE GENERAL NOTE 10)																																							
TSP RECEIVER (10 CONDUCTOR CABLE)																																					1	1	

T:_FILES\Projects\Van Ness BRT\Signal Design\CADD\CPTB401EBS.dwg Kewong Tue Jul 07, 2015 - 3:52 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

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DRAWN <i>[Signature]</i>
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REVIEWED <i>[Signature]</i>
RECOMMENDED <i>[Signature]</i>
APPROVED <i>[Signature]</i>
DATE 6/14/2015



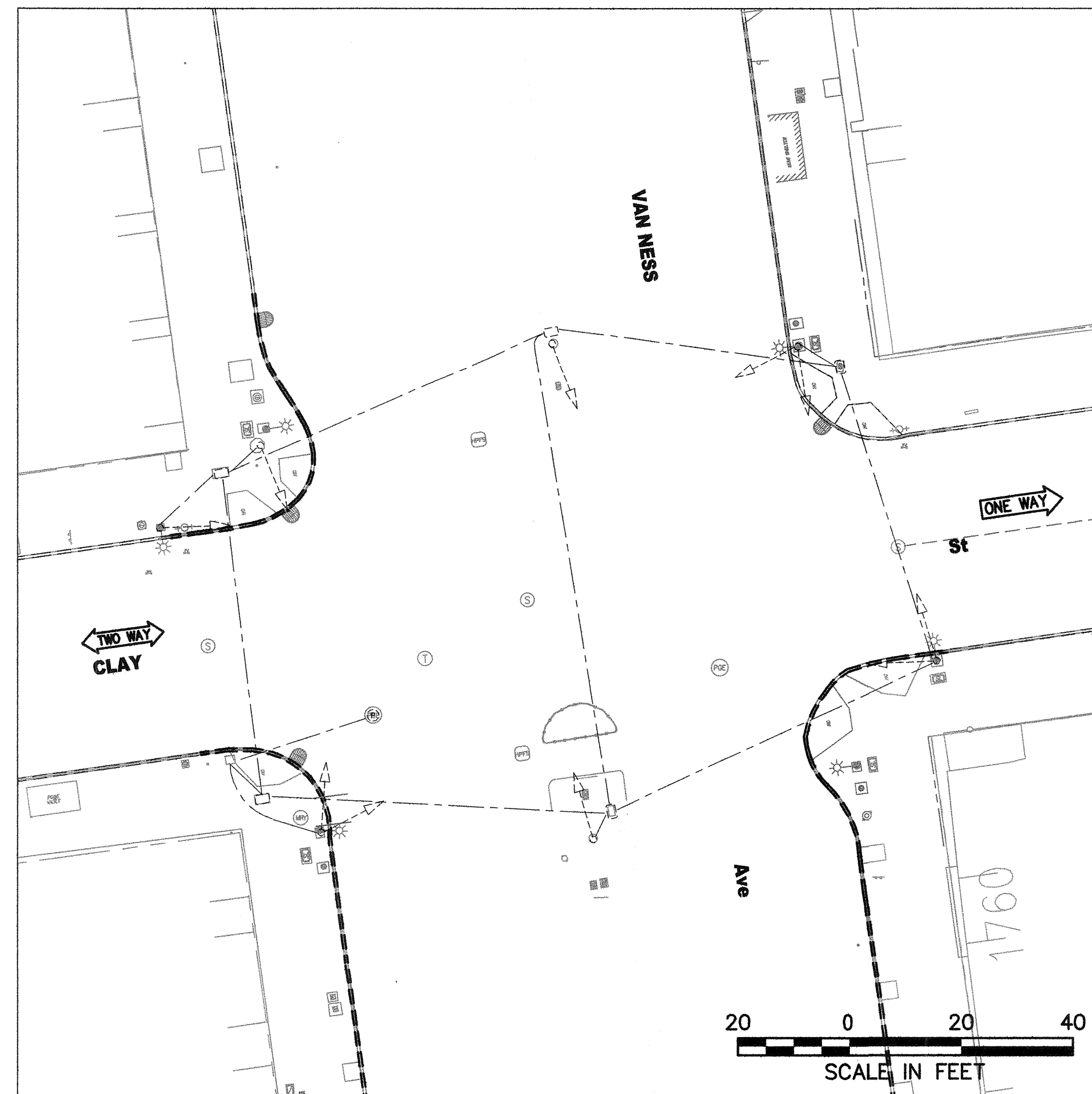
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

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APPROVED
for the DIRECTOR OF TRANSPORTATION

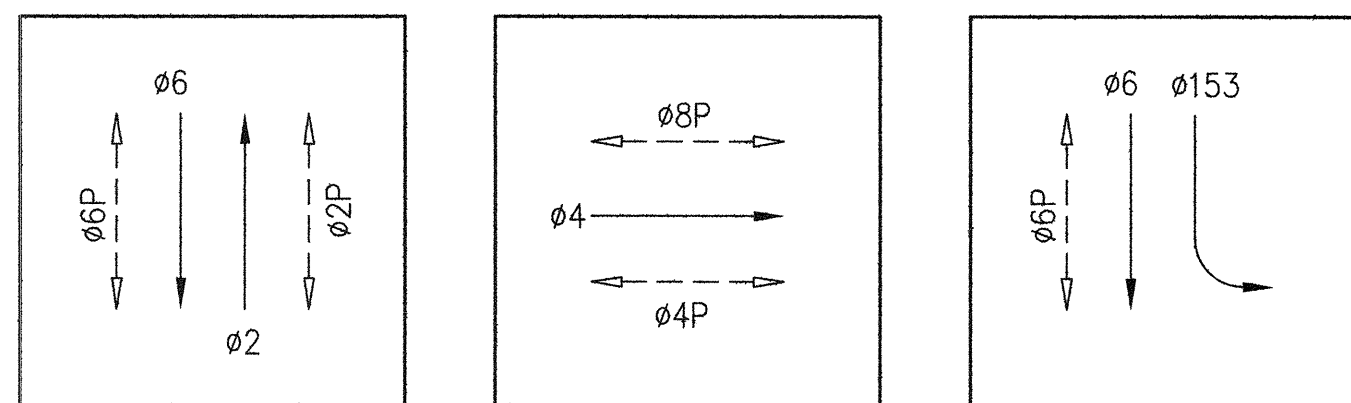
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

**SACRAMENTO STREET
CONDUIT & WIRING SCHEDULES**

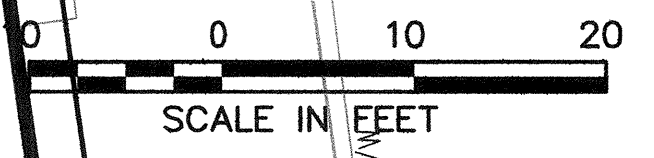
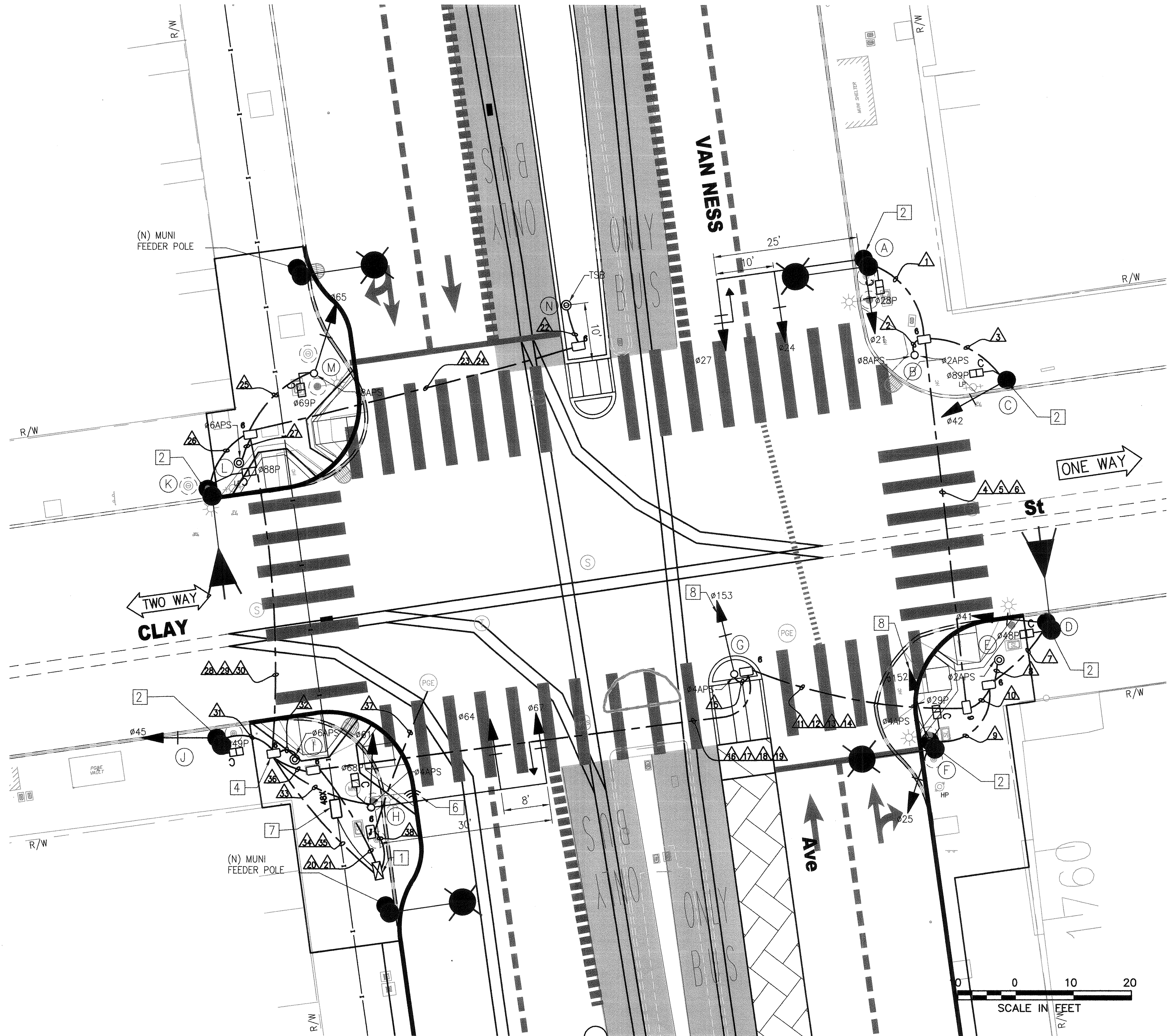
1289
REVISION
ET-118.2
ET-204



EXISTING EQUIPMENT



PHASE DIAGRAM



T:_L_FILES\Sfproj\Projects\Van Ness BRT\Signal Design\CADD_CPT6401ETS.dwg tkwong Tue Jul 07 2015 - 3:52 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
REVISIONS					

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 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/9/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

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 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

CLAY STREET
 TRAFFIC SIGNAL WORK

1289
 ET-119.0
 ET-204

POLE AND EQUIPMENT SCHEDULE

POLE NO.	POLE STANDARD			VEHICLE SIGNAL					PEDESTRIAN SIGNAL			HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS	
	TYPE	SIG. MA (FEET)	OCS ^{NO.} SL ^{NO.}	No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING			
(A)	SIGNAL, SL & OCS COMBO POLE	25'	1804	21 24 27	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			28	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 20' HIGH
(B)	1-A (5')	-		-	-	-	-	-	-	-	-	-	-	APSx2
(C)	SIGNAL & OCS COMBO POLE	-	1796	42	3S12"	SV-1-T	T			89	1S-COUNT	SP-1	-	
(D)	SIGNAL, SL & OCS COMBO POLE	-	1799 177	41	3S12"	SV-1-T	T			48	1S-COUNT	SP-1	-	
(E)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS
(F)	SIGNAL, SL & OCS COMBO POLE	-	1792 178	25 152	3S12" 3S12"LB	SV-2-TA	T T			29	1S-COUNT	SP-1	-	APS
(G)	1-A (10')	-		153	3S12"LB	TV-1-T	T			-	-	-	-	APS
(H)	SPECIAL MAST ARM POLE (18-3-100)	30		61 64 67	3S12" 3S12" 3S12"GUA	SV-1-T MAS MAS	T T T			68	1S-COUNT	SP-1	-	SIGNAL MA MOUNT AT 22.5' HIGH APS TSP
(I)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS
(J)	SIGNAL & OCS COMBO POLE	-	1809	45	3S12"	SV-1-T	T			49	1S-COUNT	SP-1	-	
(K)	SIGNAL, SL & OCS COMBO POLE	-	1808	-	-	-	-	-	-	88	1S-COUNT	SP-1	-	
(L)	PPBP POLE	-		-	-	-	-	-	-	-	-	-	-	APS
(M)	1-A (10')	-		65	3S12"	TV-1-T	T			69	1S-COUNT	SP-1	-	APS
(N)	TSB POLE													TSB

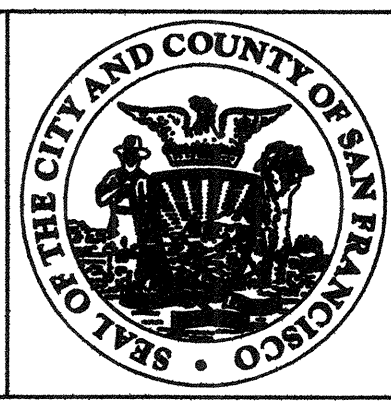
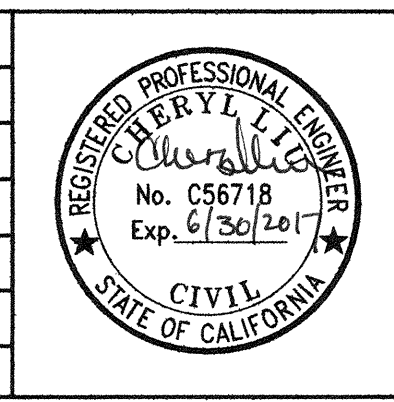
*OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS.
 FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS OR DETAIL DRAWINGS.

- ◇ INSTALL APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE. CITY FORCES TO INSTALL CITY FURNISHED APS UNIT.
- ◇ INSTALL CITY FURNISHED TSP WIRING FROM TS OR COMBINED POLES WITH 3 FEET OF SLACK TO TS CABINET.
- ◇ INSTALL CITY FURNISHED TRAFFIC CAMERA AND CONTRACTOR FURNISHED WIRING.
- ◇ FOR STREETLIGHT WORK, SEE SL-SERIES PLANS.

T:\L-FILES\Projects\Van Ness BRT\Signal Design\CADD\CP16401EBS.dwg Monday, Jul 07, 2015 - 3:52 pm

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

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 CHECKED: *[Signature]*
 REVIEWED: *[Signature]*
 RECOMMENDED: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED: *[Signature]*
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 CLAY STREET
 CONDUCTOR POLE AND EQUIPMENT SCHEDULES

1289	REVISION
ET-119.1	
ET-204	

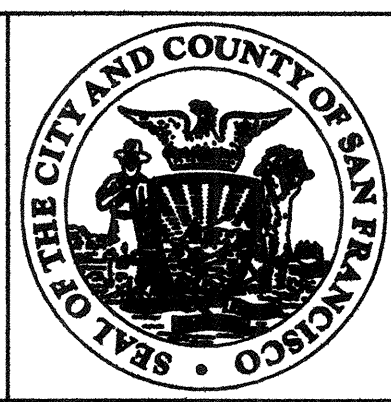
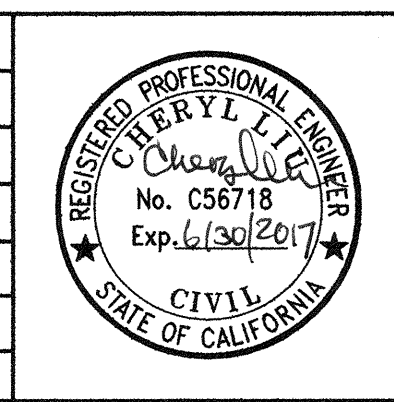
CONDUIT AND WIRING SCHEDULE

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					SP	SP							SP	SP				SP	SP			GRS		SP						SP	SP				SP	SP			
VEHICLE SIGNAL Ø21	3			3							3					3					3																		
VEHICLE SIGNAL Ø24	3			3							3					3					3																		
VEHICLE SIGNAL Ø27	3			3							3					3					3																		
PED SIGNAL Ø28P	2			2							2					2					2																		
APS PPB FOR XING VAN NESS NS ON POLE B		2		2							2					2					2																		
APS PPB FOR XING CLAY ES ON POLE B		2		2							2					2					2																		
VEHICLE SIGNAL Ø42			3	3							3					3					3																		
PED SIGNAL Ø89P			2	2							2					2					2																		
VEHICLE SIGNAL Ø41							3				3					3					3																		
PED SIGNAL Ø48P						2					2					2					2																		
APS PPB FOR XING CLAY ES ON POLE E							2				2					2					2																		
TRANSIT SIGNAL Ø152								3	3		3					3					3																		
VEHICLE SIGNAL Ø25								3	3		3					3					3																		
PED SIGNAL Ø29P								2	2		2					2					2																		
APS PPB FOR XING VAN NESS SS ON POLE F								2	2		2					2					2																		
TRANSIT SIGNAL Ø153																3		3				3																	
APS PPB FOR XING VAN NESS SS ON POLE G																2		2				2																	
TSB ON POLE N																						2	2							2						2			
VEHICLE SIGNAL Ø65																									3			3								3			
PED SIGNAL Ø69P																								2			2									2			
APS PPB FOR XING VAN NESS NS ON POLE M																								2			2									2			
PED SIGNAL Ø88P																								2			2									2			
APS PPB FOR XING CLAY WS ON POLE L																											2	2								2			
VEHICLE SIGNAL Ø45																																					3	3	
PED SIGNAL Ø49P																																					2	2	
APS PPB FOR XING CLAY WS ON POLE I																																					2	2	
VEHICLE SIGNAL Ø61																																				3	3		
VEHICLE SIGNAL Ø64																																				3	3		
VEHICLE SIGNAL Ø67																																				3	3		
PED SIGNAL Ø68P																																				2	2		
APS PPB FOR XING VAN NESS SS ON POLE H																																				2	2		
#14 NEUTRAL	4		2				2		3							1										2	1							2		4			
#14 SPARE				3							3	3	3				3	3				3	3												3	3			
TOTAL #14 WIRES	15	4	7	23			7	2	13	20	23	20				6	23	25				26	25	2	2		9	3	2	16			7	2	17	16	23		
#10 WIRES NEUTRAL				1							1	1	1				1	1				1	1													1			
#6 WIRES (120 V SERVICE)																																					2		
#8 WIRES (120 V SERVICE)																																						2	
#6 BSCW (SEE GENERAL NOTE 10)																																							
TSP RECEIVER (10 CONDUCTOR CABLE)																																				1	1		

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APPROVED <i>[Signature]</i>
DATE 12/4/2015



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

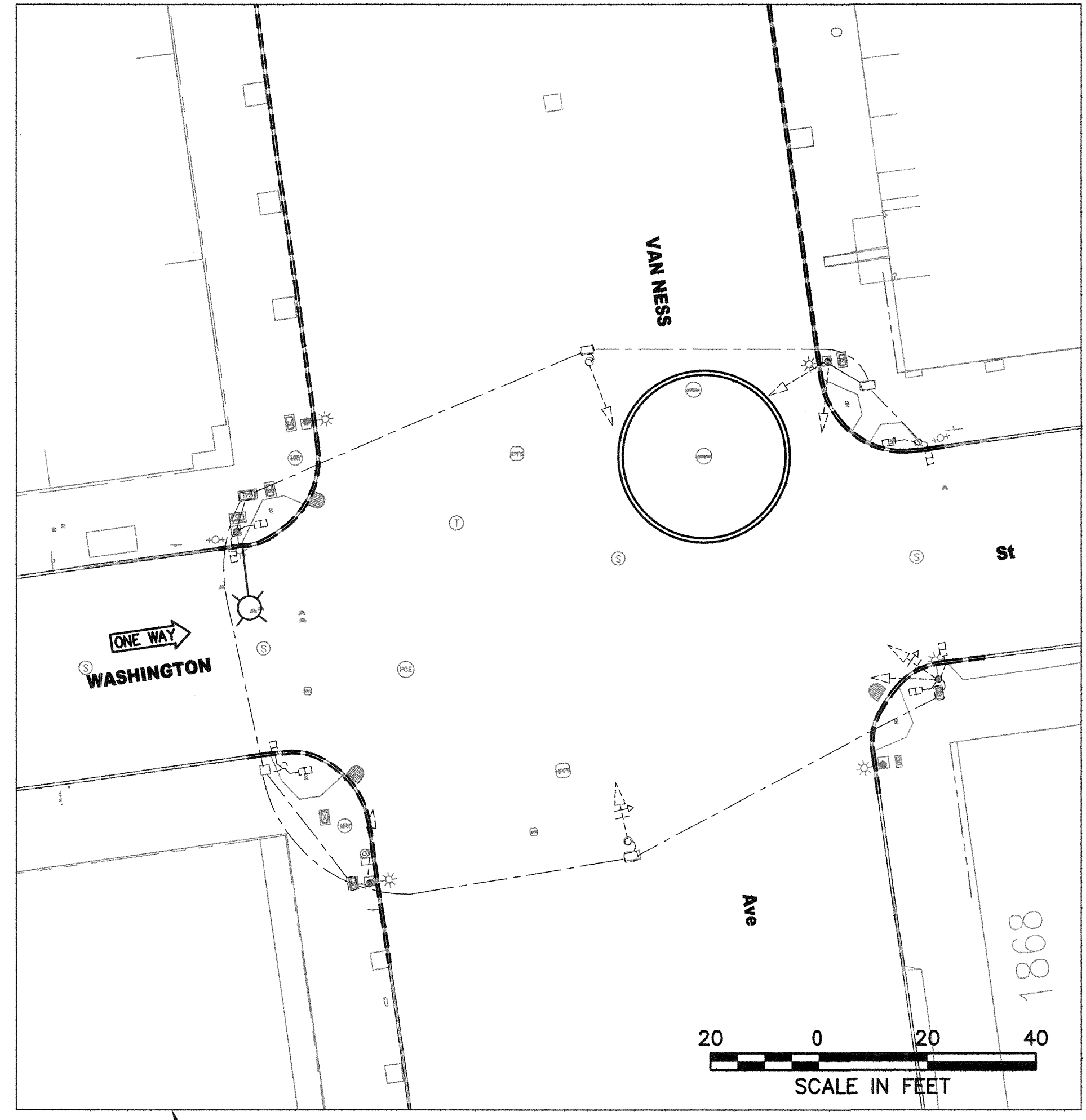
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for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

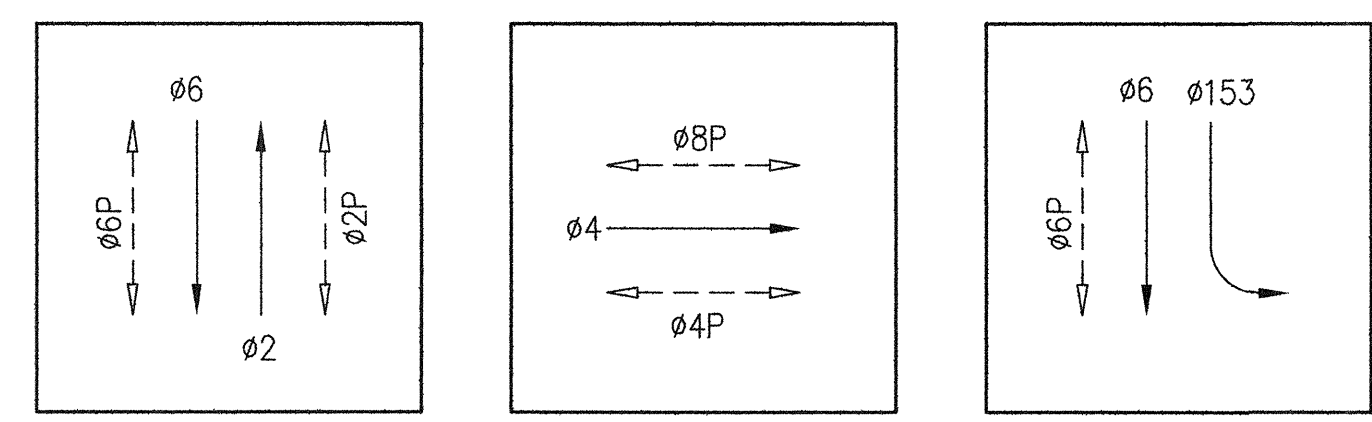
CLAY STREET
CONDUIT & WIRING SCHEDULES

1289
ET-119.2
ET-204

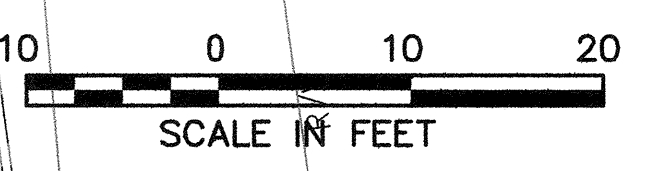
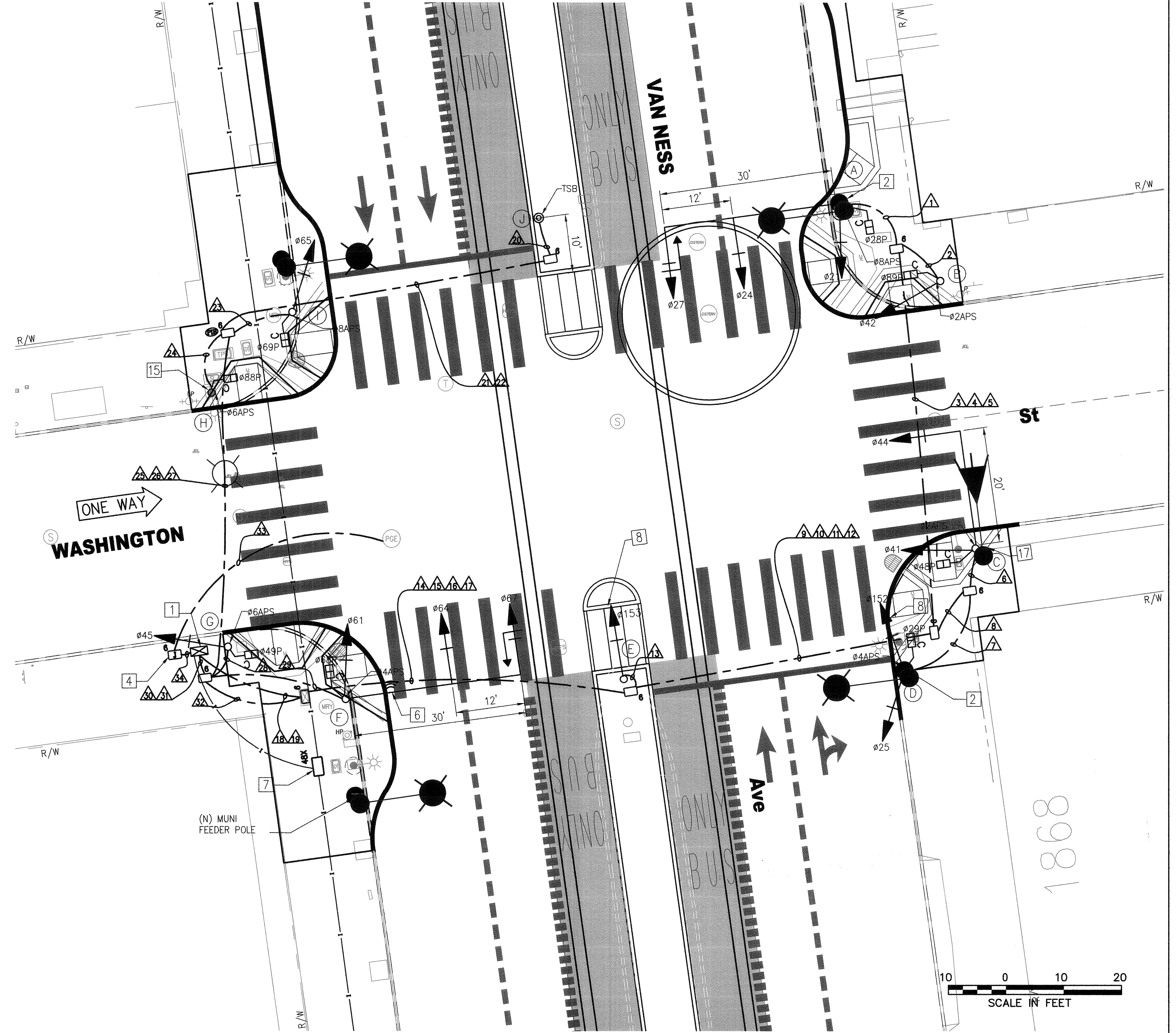
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EXISTING EQUIPMENT



PHASE DIAGRAM



NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED

DESIGNED	DRAWN	CHECKED	REVIEWED	RECOMMENDED	APPROVED	DATE
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MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 WASHINGTON STREET
 TRAFFIC SIGNAL WORK

1289
 ET-120.0
 ET-204
 REVISION