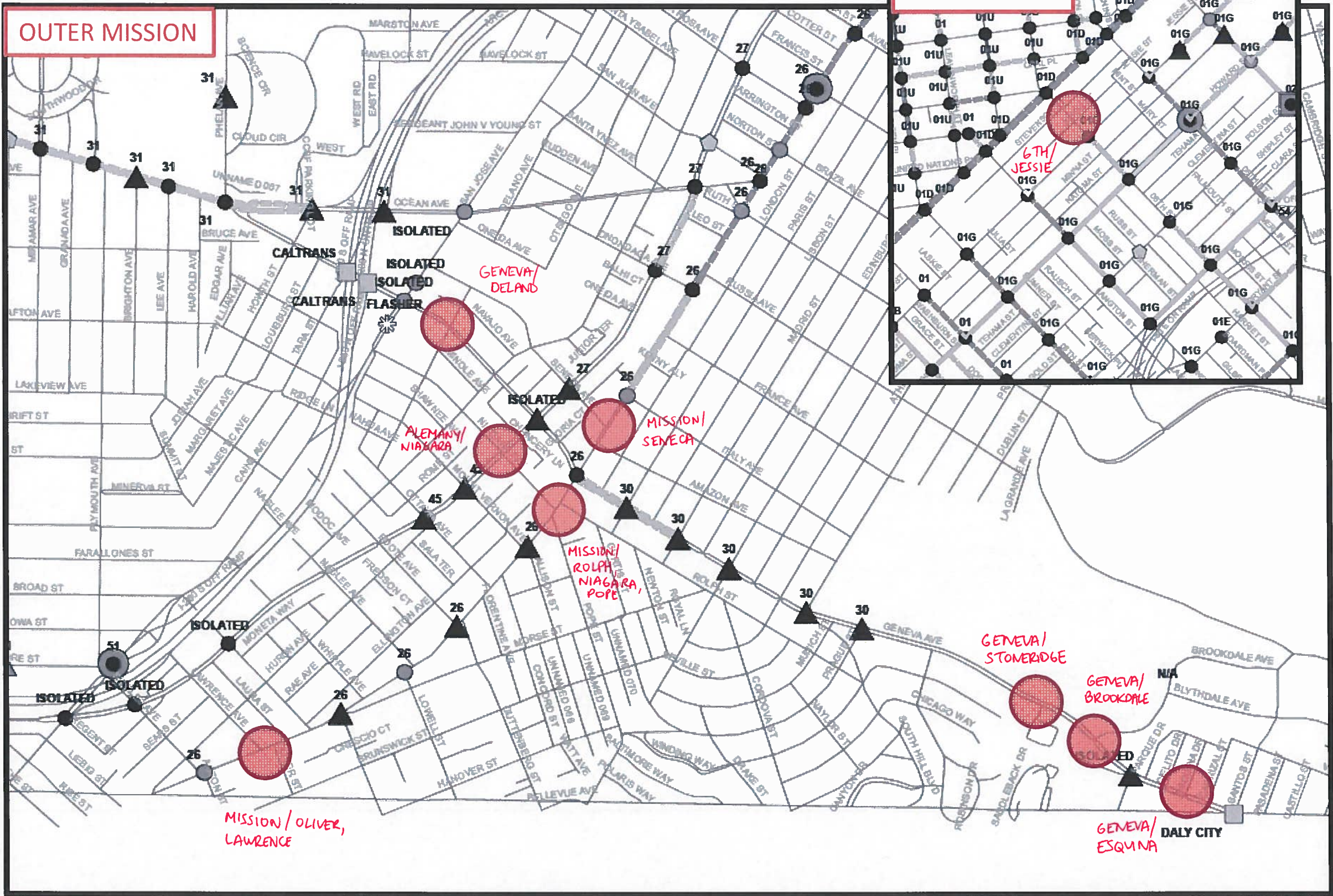
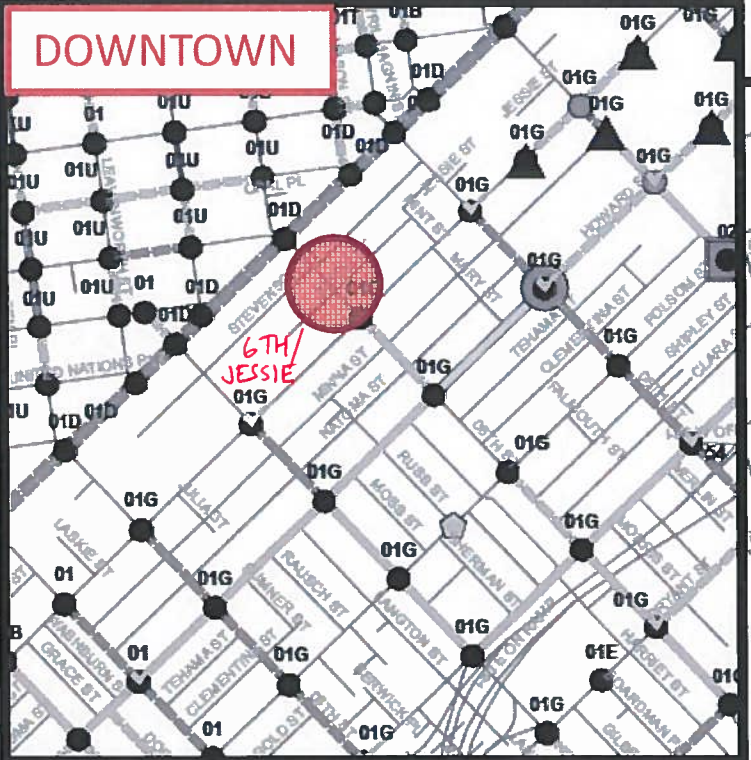


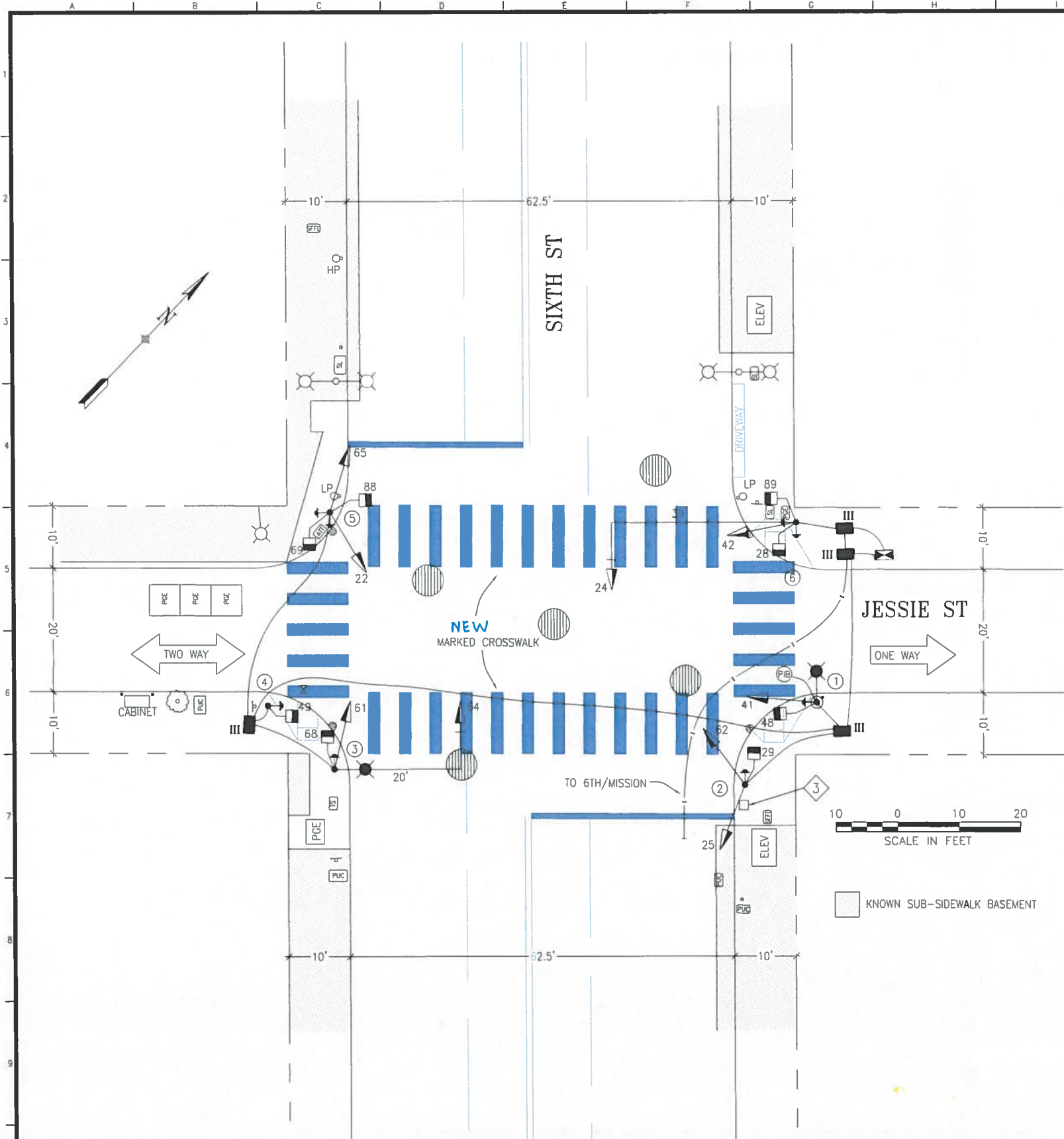
WALKFIRST NEW SIGNALS - LOCATIONS

OUTER MISSION



DOWNTOWN





POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE		MOUNTING
①	CITY STD SL W/ 6' LUMINAIRE	LED 53 W	41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	APS 2-W
②	1-A (10')		25 62	3S12" 3S12"	TV-2-T	T T		29	1S-COUNT	SP-1	APS 2-W
③	17-2-100 W/ 20' MAST ARM, 6' LUMINAIRE	LED 101 W	61 64	3S12" 3S12"	SV-1-T MAS	T T		68	1S-COUNT	SP-1	APS 2-W BACKPLATE
④	1-A (10')							49	1S-COUNT	SP-1	APS 2-W
⑤	1-A (10')		22 65	3S12" 3S12"	SV-2-TA	T T		69 88	1S-COUNT 1S-COUNT	SP-1 SP-1	APS 2-W
⑥	18-2-100 W/ 30' MAST ARM		42 24	3S12" 3S12"	SV-1-T MAS	T T		28 89	1S-COUNT 1S-COUNT	SP-1 SP-1	APS 2-W BACKPLATE

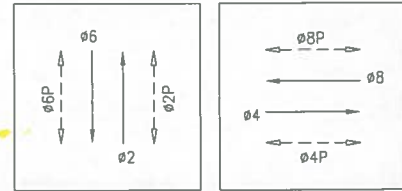
DETAIL NOTES:

- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE.
- ② CONTRACTOR TO R/S (E) STREETLIGHT POLE AND DELIVER TO PUC YARD. CONTRACTOR TO R/C (E) LUMINAIRE.
- ③ CONTRACTOR TO PROTECT ELECTRICAL BOX OF PROPERTY OWNER.

SHEET NOTES:

- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	SIXTH ST (NB & SB) - #2 & #6
R		G	JESSIE ST (EB & WB) - #4 & #8
WM	FRH	RH	PED XING JESSIE ST (ES & WS) - #2P & #6P
RH	WM	FRH	PED XING SIXTH ST (SS & NS) - #4P & #6P

NO.	DATE	DESCRIPTION	BY	APP
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

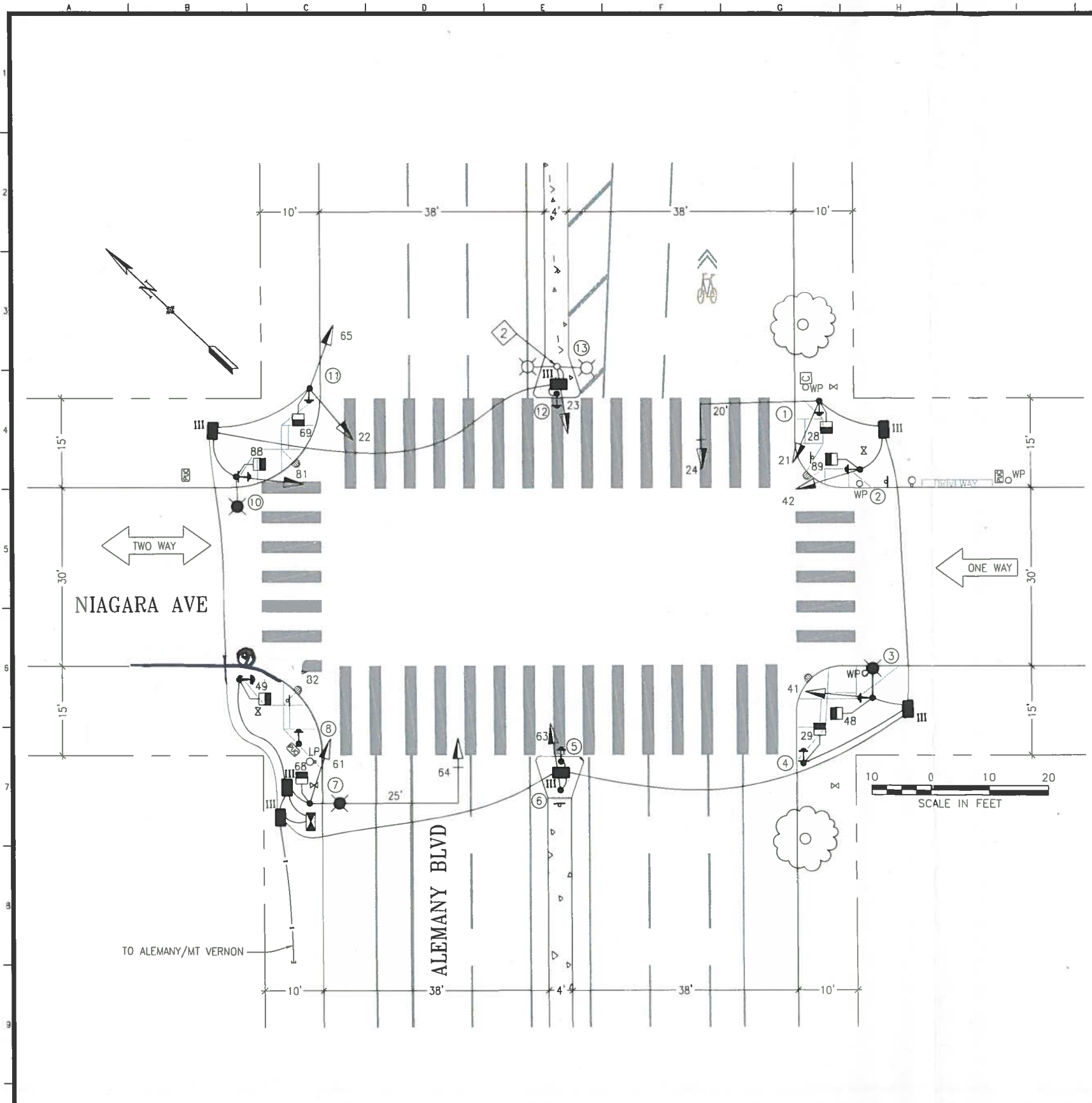
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 DRAWN: DATE: SVohra 10/07/15
 CHECKED: DATE: MValasco --/--

APPROVED: SECTION ENGINEER DATE: CITY TRAFFIC ENGINEER DATE:

SCALE: AS SHOWN
 SHEET OF SHEETS: XX of XX

WALKFIRST NEW SIGNALS
6TH STREET AND JESSIE STREET TRAFFIC SIGNAL WORK

SPECIFICATION NO.
 DRAWING NO: E-1.0
 FILE NO: XXXXX
 REV. NO: XX



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE		MOUNTING
①	16-2-100 W/ 20' MAST ARM		21 24	3S12" 3S12"	SV-1-T MAS	T T		28	1S-COUNT	SP-1	APS 2-W BACKPLATE
②	1-A (13')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	APS 2-W
③	CITY STD SL W/ 6' LUMINAIRE	LED 53 W	41	3S12"	TV-1-T	T		48	1S-COUNT	SP-1	MOUNT AT 13' APS 2-W
④	1-A (10')							29	1S-COUNT	SP-1	APS 2-W
⑤	PPBP										APS 2-W
⑥	1-A (10')		63	3S12"	TV-1-T	T					
⑦	18-2-100 W/ 25' MAST ARM, 6' LUMINAIRE	LED 101 W	61 64	3S12" 3S12"	SV-1-T MAS	T T		68	1S-COUNT	SP-1	BACKPLATE
⑧	PPBP										APS 2-W
⑨	1-A (13')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	APS 2-W
⑩	CITY STD SL W/ 6' LUMINAIRE	LED 101 W	81	3S12"	TV-1-T	T		88	1S-COUNT	SP-1	MOUNT AT 13' APS 2-W
⑪	1-A (10')		22 65	3S12" 3S12"	TV-2-T-3FA	T T		69	1S-COUNT	SP-1	APS 2-W
⑫	PPBP										APS 2-W
⑬	EX MARBELITE SL		23	3S12"	SV-1	T					

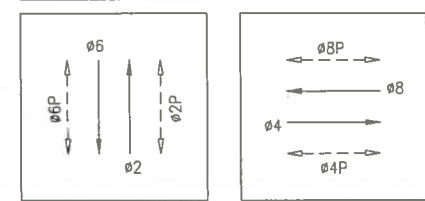
DETAIL NOTES:

- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE.
- ② CONTRACTOR SHALL CAREFULLY CHIP (E) FOUNDATION TO BRING (N) CONDUIT INTO POLE BASE

SHEET NOTES:

- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R		ALEMANY BLVD (NB & SB) - ø2 & ø6		
R		G	Y R	NIAGARA AVE (EB & WB) - ø4 & ø8		
WM	FRH		RH	PED XING NIAGARA AVE (ES & WS) - ø2P & ø6P		
		RH	WM	FRH	RH	PED XING ALEMANY BLVD (SS & NS) - ø4P & ø6P

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



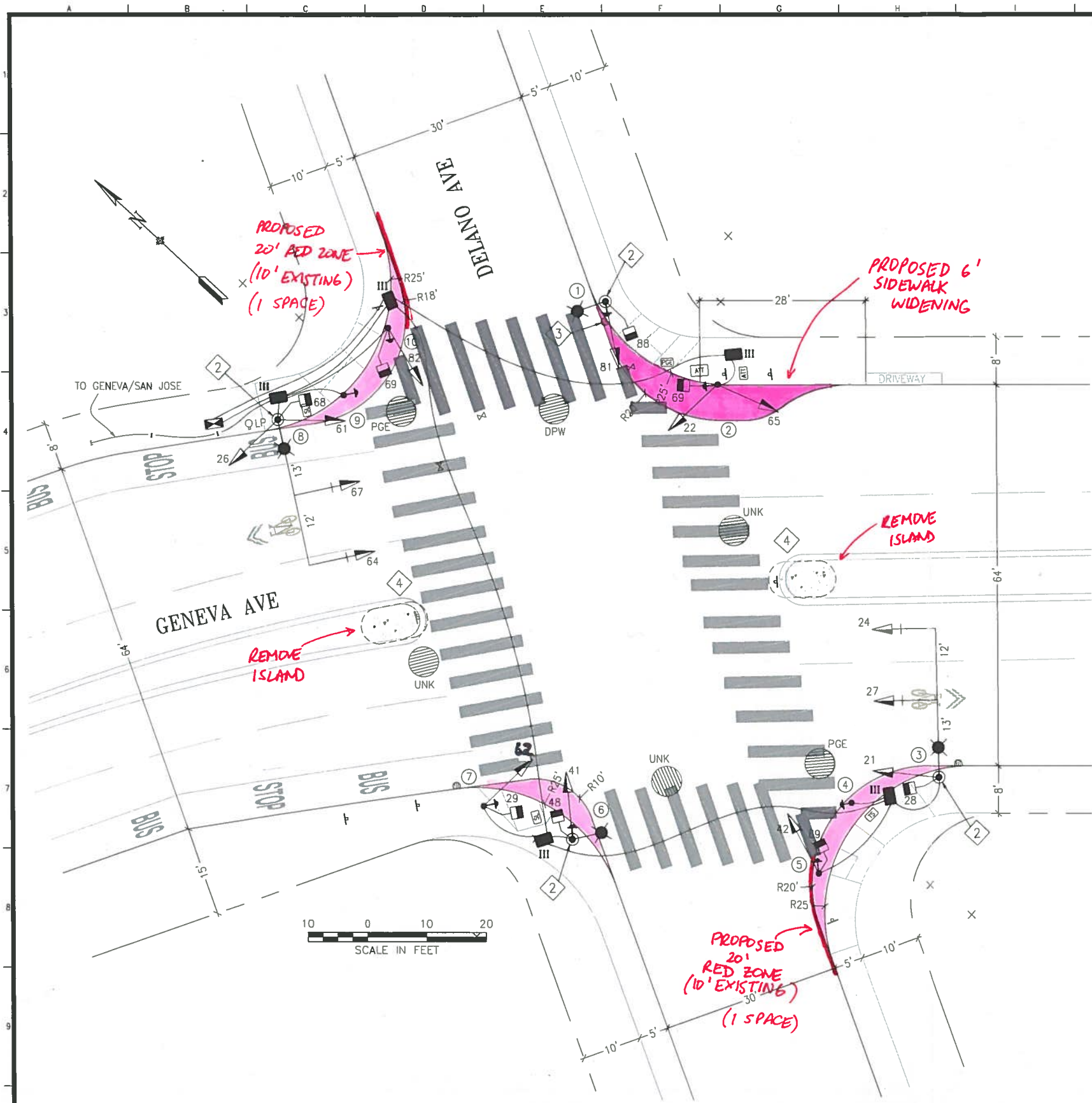
SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

DESIGNED DATE: 10/07/15
 SVohra
 DRAWN DATE: 10/07/15
 SVohra
 CHECKED DATE: --/--/--
 MVelasco
 APPROVED
 SECTION ENGINEER DATE
 CITY TRAFFIC ENGINEER DATE

SCALE
 AS SHOWN
 SHEET OF SHEETS
 XX of XX

WALKFIRST NEW SIGNALS
 ALEMANY BOULEVARD AND NIAGARA AVENUE
 TRAFFIC SIGNAL WORK

SPECIFICATION NO
 DRAWING NO. E-2.0
 FILE NO. XXXXX
 REV NO. XX



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE		MOUNTING
①	CITY STD SL W/ 6' LUMINAIRE	LED 53 W	81	3S12"	SV-1-T	T		88	1S-COUNT	SP-1	APS 2-W
②	1-A (13')		22 65	3S12" 3S12"	TV-2-T-SFA	T T		69	1S-COUNT	SP-1	APS 2-W
③	19-3-100 W/ 25' MAST ARM 6' LUMINAIRE	LED 139 W	21 27 24	3S12" 3S12" 3S12"	SV-1-T MAS MAS	T T T		28	1S-COUNT	SP-1	BACKPLATE BACKPLATE
④	PPBP										APS 2-W
⑤	1-A (10')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	APS 2-W
⑥	CITY STD SL W/ 6' LUMINAIRE	LED 53 W	41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	APS 2-W
⑦	1-A (13')		61	3S12"	TV-1-T	T		29	1S-COUNT	SP-1	APS 2-W
⑧	19-3-100 W/ 25' MAST ARM 6' LUMINAIRE	LED 139 W	26 61 67 64	3S12" 3S12" 3S12" 3S12"	TV-2-T-SFA MAS MAS MAS	T T T T		68	1S-COUNT	SP-1	BACKPLATE BACKPLATE
⑨	PPBP										APS 2-W
⑩	1-A (10')		82	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	APS 2-W

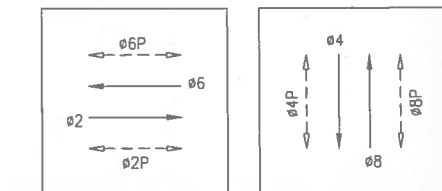
DETAIL NOTES:

- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE.
- ② CONTRACTOR TO R/S (E) STREETLIGHT POLE AND DELIVER TO PUC YARD. CONTRACTOR TO R/C (E) LUMINAIRE.
- ③ -- PLACEHOLDER FOR CATCH BASIN RELOCATION --
- ④ -- PLACEHOLDER FOR ISLAND REMOVAL --

SHEET NOTES:

- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.

PHASE DIAGRAM

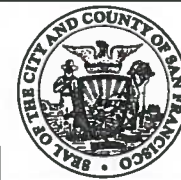


PHASE SEQUENCE

C	Y	R	GENEVA AVE (EB & WB) - #2 & #6
R		G	DELANO AVE (SB & NB) - #4 & #8
WU	FRH	RH	PED XING DELANO AVE (SS & NS) - #2P & #6P
FRH	WM	FRH	PED XING GENEVA AVE (WS & ES) - #4P & #6P

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

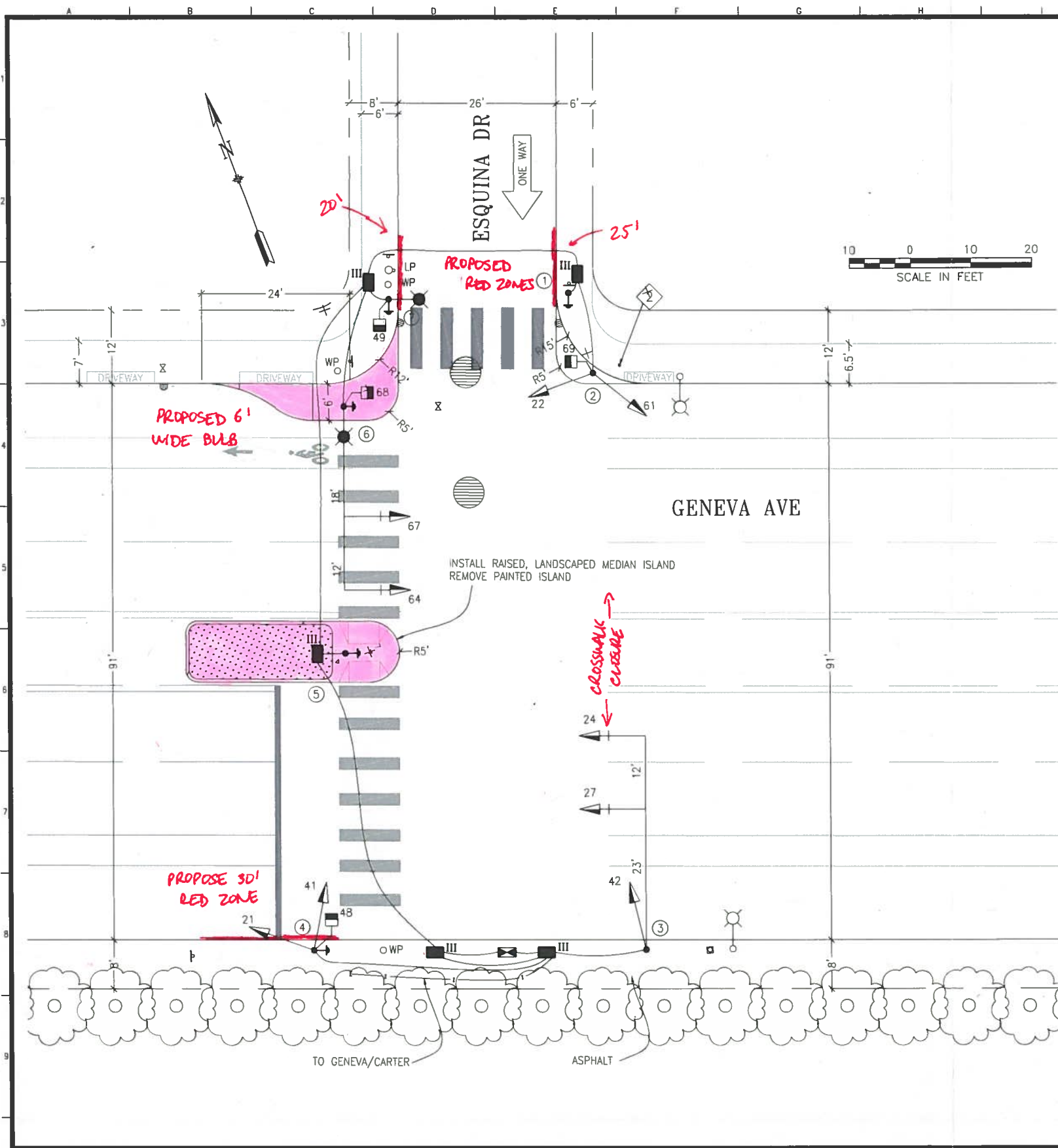
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 DRAWN: SVohra 10/07/15
 CHECKED: MVelasco --/--

APPROVED: SECTION ENGINEER DATE:
 CITY TRAFFIC ENGINEER DATE:

SCALE: AS SHOWN
 SHEET OF SHEETS: XX of XX

WALKFIRST NEW SIGNALS
 DELANO AVENUE AND GENEVA AVENUE
 TRAFFIC SIGNAL WORK

SPECIFICATION NO.
 DRAWING NO: E-4.0
 FILE NO.: XXXXX
 REV NO.: XX



POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE		MOUNTING
①	PPBP									APS 2-W	
②	1-A (10')		22 61	3812" 3812"	TV-2-T-SF	T T		69	1S-COUNT	SP-1	
③	23-3-100 W/ 35' MAST ARM		42 24 27	3812" 3812" 3812"	SV-1-T MAS MAS	T T T					BACKPLATE BACKPLATE
④	1-A (13')		21 41	3812" 3812"	TV-2-T-SF	T T		48	1S-COUNT	SP-1	APS 2-W
⑤	PPBP										APS 2-W
⑥	19-3-100 W/ 35' MAST ARM, 6' LUMINAIRE	LED 139 W	64 67	3812" 3812"	MAS MAS	T T		68	1S-COUNT	SP-1	APS-2W BACKPLATE BACKPLATE
⑦	CITY STD SL W/ 6' LUMINAIRE	LED 53 W						49	1S-COUNT	SP-1	APS 2-W

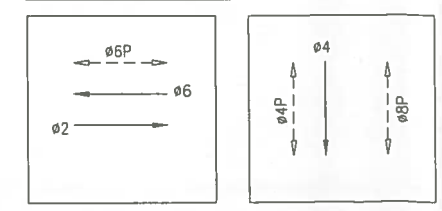
DETAIL NOTES:

- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE.
- ② CONTRACTOR SHALL PROTECT SURVEY MONUMENT

SHEET NOTES:

- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	GENEVA AVE (EB & WB) - #2 & #6
R		G	ESQUINA DR (SB) - #4
WM	FRH	RH	PED XING ESQUINA DR (NS) - #6P
RH	WM	FRH	PED XING GENEVA AVE (ES & WS) - #4P & #6P

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS

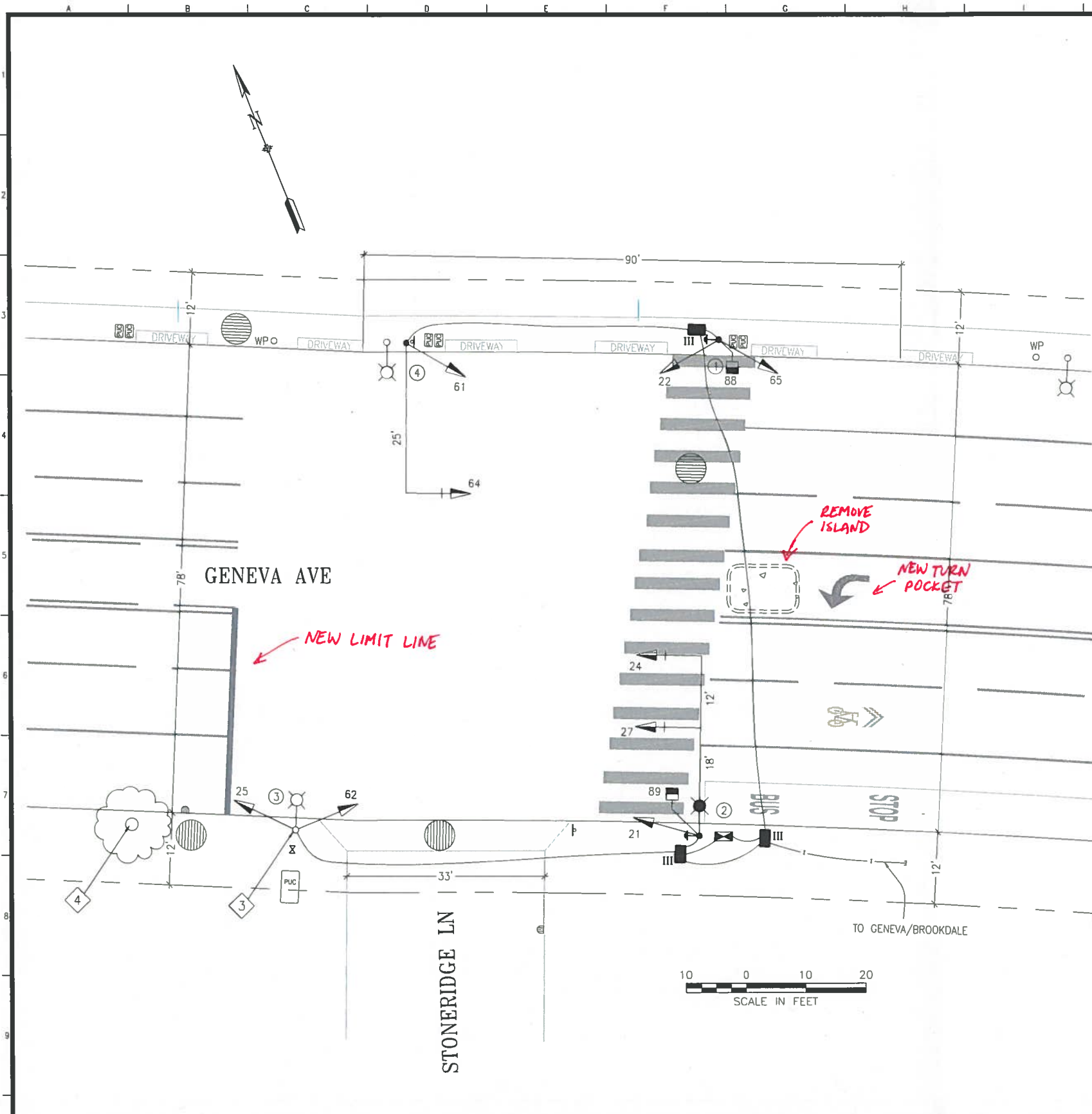
SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

DESIGNED DATE:	APPROVED	SCALE:
SVohra 10/07/15		AS SHOWN
DRAWN DATE:	SECTION ENGINEER DATE:	SHEET OF SHEETS
SVohra 10/07/15		XX of XX
CHECKED DATE:	CITY TRAFFIC ENGINEER DATE:	
MVelasco --/--		

WALKFIRST NEW SIGNALS

ESQUINA DRIVE AND GENEVA AVENUE
TRAFFIC SIGNAL WORK

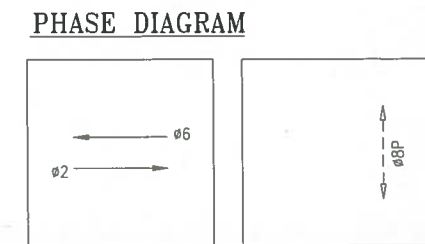
SPECIFICATION NO.
DRAWING NO. E-5.0
FILE NO.
REVISION NO. XXXXX
DATE XX



POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	1-A (13')		65 22	3812" 3812"	TV-2-T-SFA	T T		88	1S-COUNT	SP-1	APS 2-W
②	19-3-100 W/ 30' MAST ARM, 6' LUMINAIRE	LED 139 W	21 27 24	3812" 3812" 3812"	SV-1-T MAS MAS	T T T		89	1S-COUNT	SP-1	APS 2-W BACKPLATE BACKPLATE
③	EX SL		25 62	3812" 3812"	TV-2-T-SFA	T T					
④	18-2-100 W/ 25' MAST ARM		61 64	3812" 3812"	SV-1-T MAS	T T					BACKPLATE

- DETAIL NOTES:**
- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE
 - ② F/I BOLLARD(S) PER SDFPW STANDARD PLAN 87,178
 - ③ CONTRACTOR SHALL CAREFULLY CHIP (E) FOUNDATION TO BRING (N) CONDUIT INTO POLE BASE
 - ④ PRIOR TO INSTALLATION OF SIGNAL 25, CONTRACTOR SHALL TRIM TREE UNDER THE DIRECTION OF DPW URBAN FORESTRY AT (415) 554-6700. THIS WORK SHALL BE CONSIDERED INCIDENTAL

- SHEET NOTES:**
- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.




PHASE SEQUENCE

G	Y	R	GENEVA AVE (EB & WB) - #2 & #6			
RH	WM	FRH	RH	PED XING GENEVA AVE (ES) - #8P		

NO.	DATE	DESCRIPTION	BY	APP.
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS

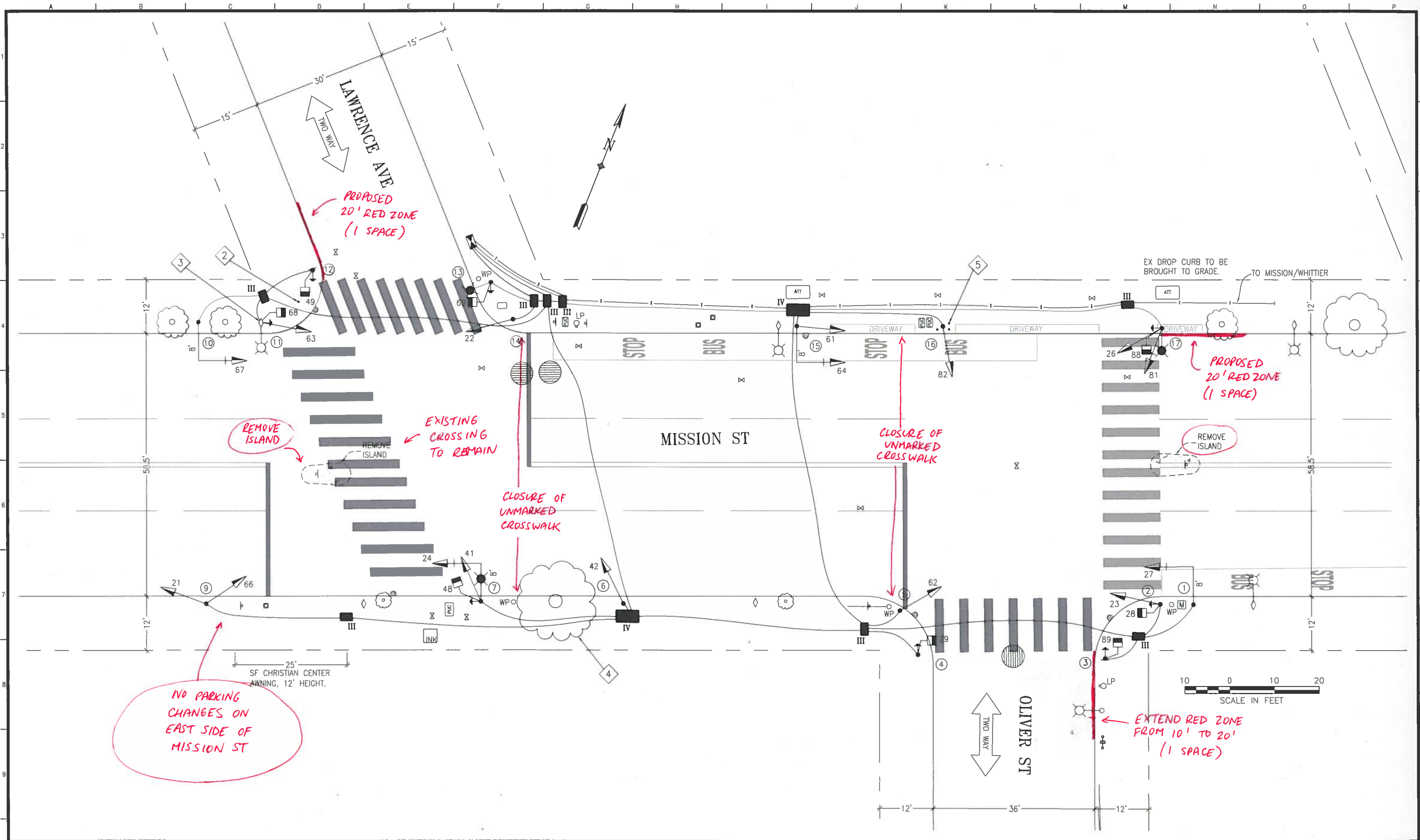

SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

DESIGNED DATE:	APPROVED	SCALE:
SVohra 10/07/15		AS SHOWN
DRAWN DATE:	SECTION ENGINEER DATE:	SHEET OF SHEETS
SVohra 10/07/15		XX of XX
CHECKED DATE:	CITY TRAFFIC ENGINEER DATE:	
MVelasco --/--		

WALKFIRST NEW SIGNALS

GENEVA AVENUE AND STONERIDGE LANE TRAFFIC SIGNAL WORK

SPECIFICATION NO.
DRAWING NO E-6.0
FILE NO. XXXXX
REV NO. XX



NO PARKING
CHANGES ON
EAST SIDE OF
MISSION ST

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
TRANSPORTATION ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: SVohra 10/07/15
 DRAWN: DATE: SVohra 10/07/15
 CHECKED: DATE: MValasco --/--

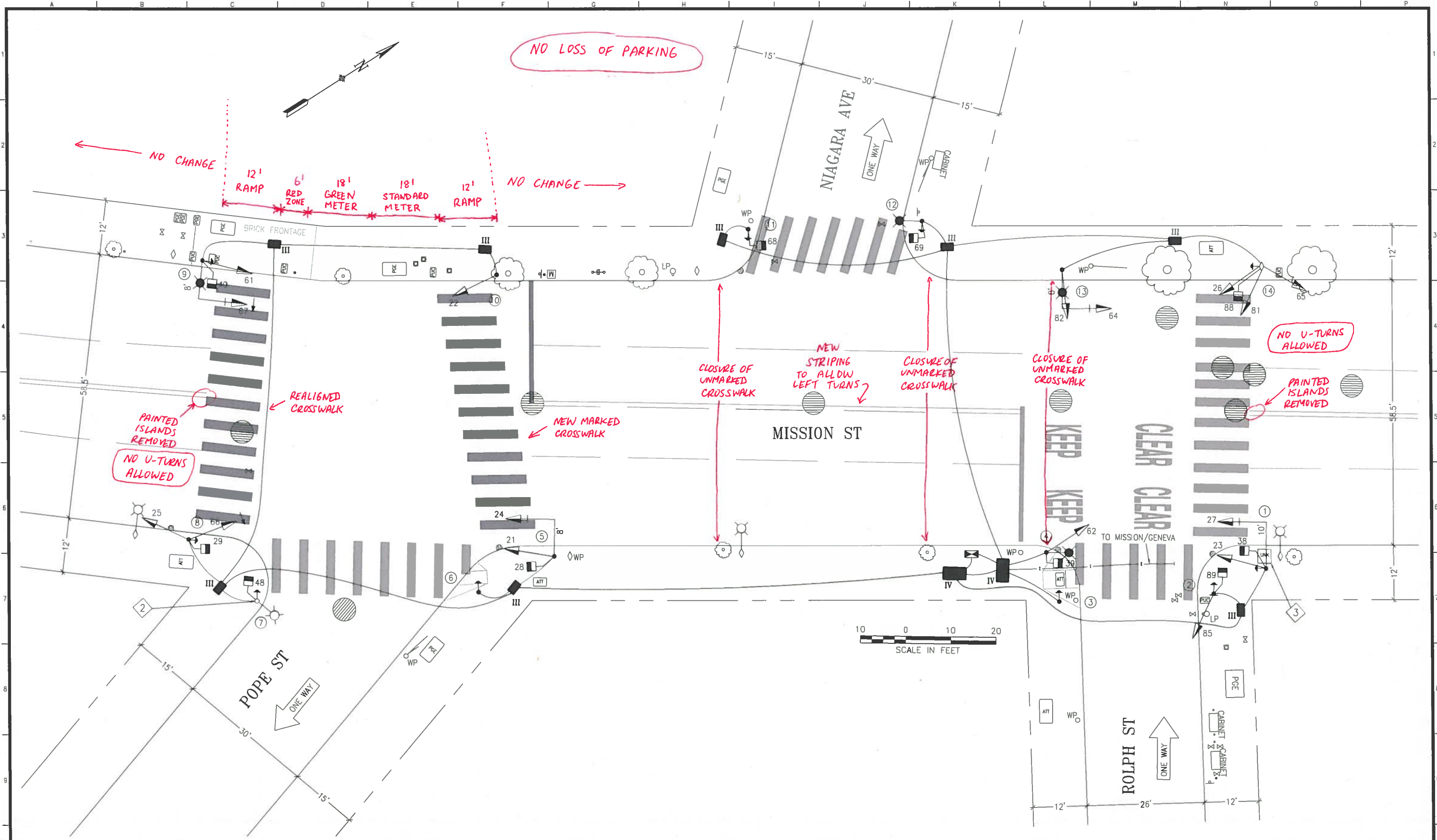
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SCALE: AS SHOWN
 SHEET OF SHEETS: XX of XX

WALKFIRST NEW SIGNALS
MISSION STREET AND OLIVER STREET, LAWRENCE AVENUE TRAFFIC SIGNAL WORK

SPECIFICATION NO. DRAWING NO. E-7.0
 FILE NO. XXXXX
 REV. NO. XX

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				



NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
TRANSPORTATION ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

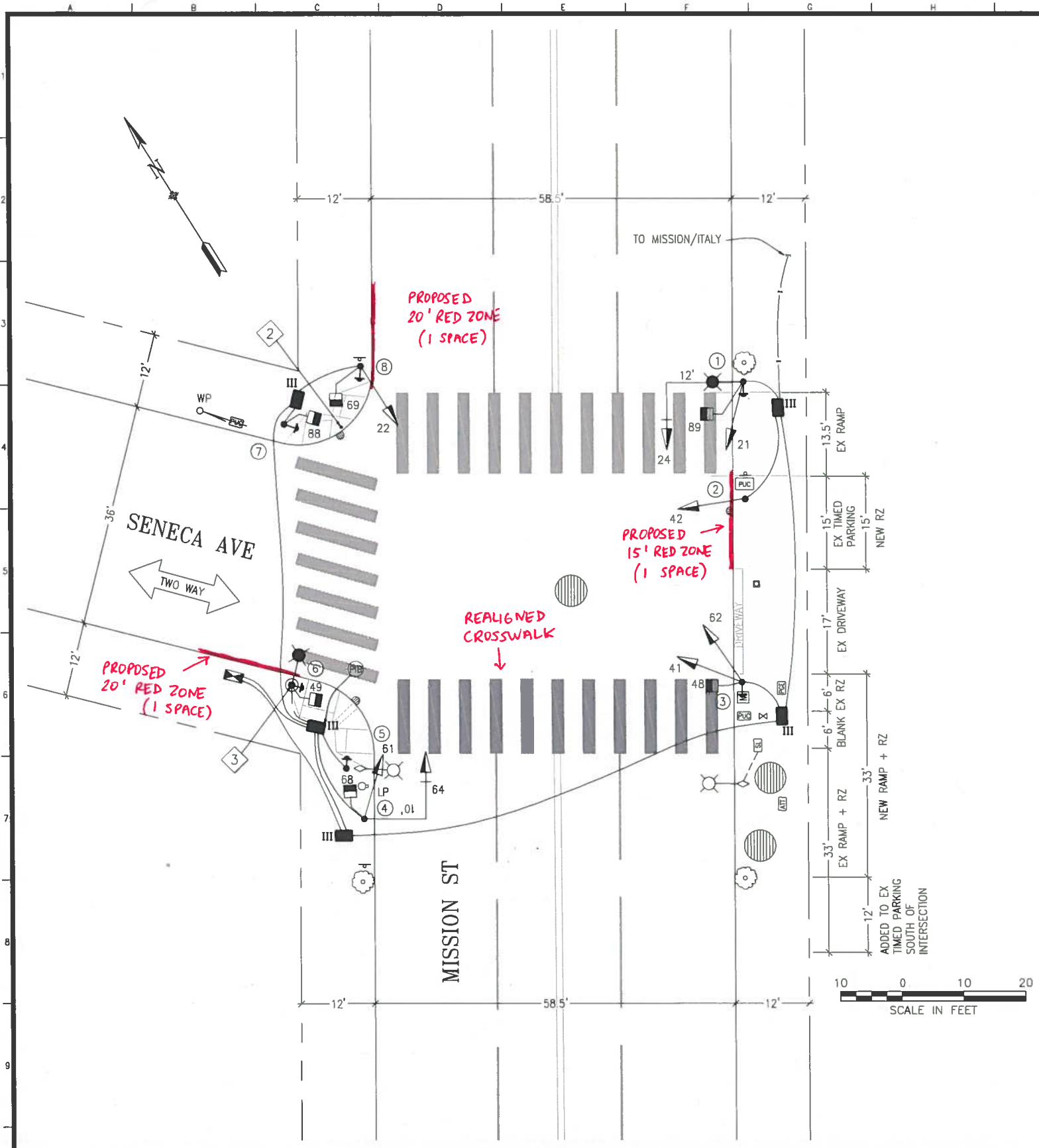
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 CHECKED: DATE: MVelasco --/--

APPROVED: SECTION ENGINEER DATE: CITY TRAFFIC ENGINEER DATE:

SCALE: AS SHOWN
 SHEET OF SHEETS: XX of XX

WALKFIRST NEW SIGNALS
MISSION STREET AND ROLPH STREET, NIAGARA AVENUE, POPE STREET TRAFFIC SIGNAL WORK

SPECIFICATION NO. DRAWING NO. E-8.0
 FILE NO. XXXXX
 REV. NO. XX



POLE AND EQUIPMENT SCHEDULE												
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING		
①	16-2-100 W/ 12' MAST ARM, 6' LUMINAIRE	LED 139 W	21 24	3S12" 3S12"	SV-1-T MAS	T T			89	1S-COUNT	SP-1	APS 2-W BACKPLATE
②	1-A (13')		42	3S12"	TV-1-T	T						
③	1-A (13')		21 24	3S12" 3S12"	TV-2-T-SFA	T T			48	1S-COUNT	SP-1	APS 2-W
④	16-2-100 W/ 10' MAST ARM		61 64	3S12" 3S12"	SV-1-T MAS	T T			68	1S-COUNT	SP-1	BACKPLATE
⑤	PPBP											APS 2-W
⑥	CITY STD SL W/ 6' LUMINAIRE	LED 53 W							49	1S-COUNT	SP-1	APS 2-W
⑦	1-A (13')								88	1S-COUNT	SP-1	APS 2-W
⑧	SL		22	3S12"	SV-1-T	T			69	1S-COUNT	SP-1	APS 2-W

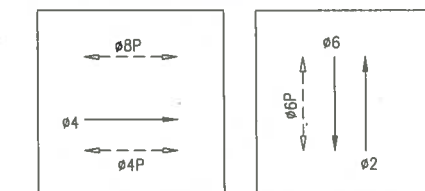
DETAIL NOTES:

- ① CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I APS WIRING AS SHOWN IN CONDUIT AND WIRING SCHEDULE.
- ② CONTRACTOR SHALL PROTECT SURVEY MONUMENT
- ③ CONTRACTOR TO R/S (E) STREETLIGHT POLE AND DELIVER TO PUC YARD. CONTRACTOR TO R/C (E) LUMINAIRE.

SHEET NOTES:

- 1. CONTRACTOR SHOULD AVOID DAMAGE TO THE CURB RAMPS.

PHASE DIAGRAM




PHASE SEQUENCE

C	Y	R			MISSION ST (NB & SB) - #2 & #6
R		C	Y	R	SENECA AVE (EB) - #4
WM	FRH		FRH		PED XING SENECA AVE (WS) - #6P
		FRH		FRH	PED XING MISSION ST (SS & NS) - #4P & #6P

NO.	DATE	DESCRIPTION	BY	APP
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS


SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 TRANSPORTATION ENGINEERING
 CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: SVohra 10/07/15	APPROVED:	SCALE: AS SHOWN
DRAWN: DATE: SVohra 10/07/15	SECTION ENGINEER DATE:	SHEET OF SHEETS: XX of XX
CHECKED: DATE: MVelasco --/--	CITY TRAFFIC ENGINEER DATE:	

WALKFIRST NEW SIGNALS

MISSION STREET AND SENECA AVENUE
TRAFFIC SIGNAL WORK

SPECIFICATION NO.	
DRAWING NO.	E-9.0
FILE NO.	XXXXX
REV. NO.	XX