



Meeting Date: October 6, 2023

To: Public Works Commission

Through: Carla Short, Interim Public Works Director
Albert Ko, City Engineer and Deputy Director of Infrastructure

From: Earl Gaffud, Public Works Project Engineer

Subject: PW Contract No. 36 Traffic Signal Modifications, Sourcing Event ID No. 0000007829 - Contract Award

Director's Recommendation: Award Various Locations Street Light and Traffic Signal Contract to Bay Area Lightworks, Inc. in the amount of \$3,443,384 with \$344,338.40 for contingency and a contract duration of 608 consecutive calendar days with 60 consecutive calendar days of contingency for new traffic signal infrastructure, pedestrian signal work, pavement renovation, curb ramp and bulb-out construction, drainage work, traffic control, and all related work on specified streets in the City and County of San Francisco.

Contract Background: The work to be done under this contract consists of upgrading the traffic signal infrastructure curb ramps, sidewalk, curb and gutters, and sewer at the intersections of 3rd Street / Carroll Avenue, 4th St / Howard Street, 7th Avenue / Kirkham Street, 9th Street / Brannan Street, 9th St / Bryant Street, 10th St / Bryant Street, 17th Street / Folsom Street, 20th Street / Dolores Street, Bush Street / Taylor Street, California Street / Presidio Avenue, Essex Street / Harrison Street, Jones Street / Pine Street, Pine Street / Taylor Street, and Stanyan Street / Turk Boulevard, in San Francisco, California

Solicitation Process: The Department advertised the project on June 6, 2023, and on July 12, 2023, received two (2) bids. Staff evaluated the bids received and determined that Bay Area Lightworks, Inc. was the responsible bidder submitting the lowest responsive bid.

Contract Details:

Contract Title:	PW Contract No. 36 Traffic Signal Modifications
Contract Award Amount:	\$3,443,384.00
Cost Estimate:	\$3,600,000.00
Contract Funding Sources:	1) General Fund Proposition B Population 2) Proposition K (Half-Cent Sales Tax)
Anticipated Project Schedule:	Notice-to-proceed: 11/17/2023 Construction Start: 11/17/2023

	Construction End: 5/19/2025
Contract Duration:	608 consecutive calendar days
Contractor Name:	Bay Area Lightworks, Inc
Compliance with Chapter 14B Local Business Enterprise Ordinance:	The Contract Monitoring Division (CMD) has determined Bay Area Lightworks, Inc. has materially complied with the pre-award Chapter 14B requirements.
Environmental Determination (if applicable):	1. California Environmental Quality Act (CEQA) determination date June 16, 2021, and No. 2021-007075ENV 2. Regulatory Affairs Final Quality Assurance / Quality Control Review signature date April 6, 2023.
Other Compliance:	N/A
Additional Information:	N/A
Attachments:	Attachment 1: Resolution Attachment 2: Bid Tabulations Attachment 3: Contract Monitoring Division Memorandum Attachment 4: CEQA Determination Case No. 2021-007075ENV

**PUBLIC WORKS COMMISSION
CITY AND COUNTY OF SAN FRANCISCO**

RESOLUTION NO. _____

WHEREAS, On June 6, 2023, San Francisco Public Works advertised for bids for the PW Contract No. 36 Traffic Signal Modifications; and

WHEREAS, The contract amount is \$3,443,384.00; and

WHEREAS, The contract duration is 608 consecutive calendar days; and

WHEREAS, The Contract Monitoring Division (“CMD”) established a Local Business Enterprise (“LBE”) subcontracting requirement of 25% for this contract and the contractor committed to LBE participation of 26.67% in its bid submittal; and

WHEREAS, On June 16, 2021, the Planning Department issued a determination (“CEQA Determination”) concluding that the work is categorically exempt. The work will be carried out by the Licensed contractor and managed by San Francisco Public Works with funding/oversight from SFMTA. The contractor would be required to comply with the San Francisco Public Works Standard Construction Measures, additional environmental procedures and APEZ requirements, included in contract specifications sections 01-35-49, 01-35-50, and 01-35-51, respectively. This includes the procedure to distribute the San Francisco Planning Department archeological resource “ALERT” notice to all prime and sub-contractors involved in excavation and archeological measure 2 monitoring; and

WHEREAS, On July 12, 2023, Public Works received two bids; and

WHEREAS, Public Works staff and CMD staff reviewed the bids and application of bid preferences and determined that Bay Area Lightworks, Inc. is the responsive and responsible bidder that submitted the lowest responsive bid; and

WHEREAS, The Public Works Commission has reviewed the CEQA Findings, and the preceding documents are on file with the Public Works Commission Affairs Manager, and are incorporated herein by reference; now, therefore, be it

RESOLVED, That in compliance with Chapter 31 of the San Francisco Administrative Code, this Commission adopts the Planning Department’s determination in the CEQA Determination that there is no substantial evidence that the new traffic signal infrastructure, pedestrian signal work, pavement renovation, curb ramp and bulb-out construction, drainage work, traffic control, and all related work performed under this contract could have a significant effect on the environment; and be it

FURTHER RESOLVED, That this Commission hereby awards the Contract No. 36 Traffic Signal Modifications (Sourcing Event ID No. 0000007829) Contract to Bay Area Lightworks, Inc. in the amount of \$3,443,384.00 with \$344,338.40 for contingency and a contract

duration of 608 consecutive calendar days with 60 consecutive calendar days of contingency for new traffic signal infrastructure, pedestrian signal work, pavement renovation, curb ramp and bulb-out construction, drainage work, traffic control, and all related work on specified streets in the City and County of San Francisco.

I hereby certify that the foregoing resolution was adopted by the Public Works Commission at its meeting of _____.

Commission Affairs Manager
Public Works Commission

**City and County of San Francisco
Department of Public Works
TABULATION OF BIDS**

SOURCING ID: 0000007829

CONTRACT TITLE: PW CNTRT NO.36 TRFFC SGNL MOD

FULL TITLE: PW CONTRACT NO. 36 TRAFFIC SIGNAL MODIFICATIONS

BIDS RECEIVED: July 12, 2023

<u>BIDDERS (in the order received & opened):</u>	<u>LBE Status Claimed</u>	<u>Total Bid Price</u>
Liffey Electric	Micro-LBE 10%	\$4,354,391.00
Bay Area Lightworks, Inc.	Small-LBE 10%	\$3,443,384.00
	Average Bid:	\$3,898,887.50
	Engineer's Estimate:	\$3,600,000.00
	% of Engineer's Estimate:	108%
	% of Engineer's Estimate vs. Low Bid Received	96%

cc:	Earl Gaffud Chi lao Selormey Dzikunu Ed Yee	Carla Short Fernando Cisneros Patrick Rivera Cyril Velasquez	Albert Ko K2 Systems Nicolas Huff Raymond Woo	All Bidders
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For complete subcontractor listings, check: <https://bidopportunities.apps.sfdpw.org/CaseLoad/Details/2454>

July 12, 2023

Sourcing ID: 000007829
 Contract Title: PW CNTRT NO.36 TRFFC SGNL MOD
 Full Title: PW CONTRACT NO. 36 TRAFFIC SIGNAL MODIFICATIONS
 Bid Date: July 12, 2023

BID ITEMS	QUANTITIES	UNIT	UNIT PRICE	Lifley Electric EXTENSION	UNIT PRICE	Bay Area Lightworks, Inc. EXTENSION
E-1	88	EA	\$1,400.00	\$123,200.00	\$1,500.00	\$132,000.00
E-2	3	EA	\$1,400.00	\$4,200.00	\$1,500.00	\$4,500.00
E-3	2	EA	\$1,400.00	\$2,800.00	\$1,500.00	\$3,000.00
E-4	9	EA	\$1,400.00	\$12,600.00	\$1,500.00	\$13,500.00
E-5	8	EA	\$1,400.00	\$11,200.00	\$1,800.00	\$14,400.00
E-6	30	EA	\$1,400.00	\$42,000.00	\$1,200.00	\$36,000.00
E-7	1	EA	\$1,600.00	\$1,600.00	\$1,200.00	\$1,200.00
E-8	2	EA	\$1,600.00	\$3,200.00	\$1,400.00	\$2,800.00
E-9	1	EA	\$1,600.00	\$1,600.00	\$1,400.00	\$1,400.00
E-10	33	EA	\$1,600.00	\$52,800.00	\$1,600.00	\$52,800.00
E-11	5	EA	\$1,700.00	\$8,500.00	\$1,700.00	\$8,500.00
E-12	3	EA	\$1,700.00	\$5,100.00	\$1,700.00	\$5,100.00
E-13	2	EA	\$1,700.00	\$3,400.00	\$1,800.00	\$3,600.00
E-14	1	EA	\$1,700.00	\$1,700.00	\$1,800.00	\$1,800.00
E-15	1	EA	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00
E-16	24	EA	\$1,700.00	\$40,800.00	\$1,000.00	\$24,000.00
E-17	37	EA	\$400.00	\$14,800.00	\$300.00	\$11,100.00
E-18	52	EA	\$900.00	\$46,800.00	\$1,000.00	\$52,000.00
E-19	52	EA	\$300.00	\$15,600.00	\$1,000.00	\$52,000.00
E-20	40	EA	\$300.00	\$12,000.00	\$1,000.00	\$40,000.00
E-21	50	EA	\$1,400.00	\$70,000.00	\$1,200.00	\$60,000.00
E-22	2	EA	\$1,400.00	\$2,800.00	\$1,300.00	\$2,600.00
E-23	19	EA	\$5,800.00	\$110,200.00	\$3,500.00	\$66,500.00
E-24	6	EA	\$5,800.00	\$34,800.00	\$4,000.00	\$24,000.00
E-25	9	EA	\$5,800.00	\$52,200.00	\$4,500.00	\$40,500.00
E-26	4	EA	\$7,000.00	\$28,000.00	\$7,500.00	\$30,000.00
E-27	3	EA	\$25,000.00	\$75,000.00	\$16,000.00	\$48,000.00
E-28	2	EA	\$25,000.00	\$50,000.00	\$16,000.00	\$32,000.00
E-29	1	EA	\$27,000.00	\$27,000.00	\$20,000.00	\$20,000.00
E-30	3	EA	\$28,000.00	\$84,000.00	\$20,000.00	\$60,000.00
E-31	1	EA	\$28,000.00	\$28,000.00	\$20,000.00	\$20,000.00
E-32	1	EA	\$29,000.00	\$29,000.00	\$21,000.00	\$21,000.00
E-33	2	EA	\$30,000.00	\$60,000.00	\$20,000.00	\$40,000.00
E-34	1	EA	\$32,000.00	\$32,000.00	\$22,000.00	\$22,000.00
E-35	5	EA	\$3,500.00	\$17,500.00	\$1,500.00	\$7,500.00
E-36	2	EA	\$46,000.00	\$92,000.00	\$20,000.00	\$40,000.00
E-37	29	EA	\$1,700.00	\$49,300.00	\$1,000.00	\$29,000.00
E-38	15	EA	\$600.00	\$9,000.00	\$1,500.00	\$22,500.00
E-39	57	EA	\$1,000.00	\$57,000.00	\$2,000.00	\$114,000.00
E-40	3	EA	\$2,300.00	\$6,900.00	\$2,000.00	\$6,000.00
E-41	4	EA	\$2,900.00	\$11,600.00	\$3,000.00	\$12,000.00
E-42	6	EA	\$2,000.00	\$12,000.00	\$2,500.00	\$15,000.00
E-43	2	EA	\$3,000.00	\$6,000.00	\$4,000.00	\$8,000.00
E-44	65	LF	\$250.00	\$16,250.00	\$100.00	\$6,500.00
E-45	1,225	LF	\$195.00	\$238,875.00	\$110.00	\$134,750.00
E-46	100	LF	\$250.00	\$25,000.00	\$200.00	\$20,000.00
E-47	290	LF	\$175.00	\$50,750.00	\$120.00	\$34,800.00
E-48	210	LF	\$275.00	\$57,750.00	\$210.00	\$44,100.00
E-49	215	LF	\$250.00	\$53,750.00	\$130.00	\$27,950.00
E-50	170	LF	\$300.00	\$51,000.00	\$220.00	\$37,400.00
E-51	100	LF	\$300.00	\$30,000.00	\$230.00	\$23,000.00
E-52	46	LF	\$200.00	\$9,200.00	\$130.00	\$5,200.00
E-53	235	LF	\$200.00	\$47,000.00	\$140.00	\$32,900.00
E-54	20	LF	\$250.00	\$5,000.00	\$150.00	\$3,000.00
E-55	420	LF	\$200.00	\$84,000.00	\$150.00	\$63,000.00
E-56	10	LF	\$300.00	\$3,000.00	\$160.00	\$1,600.00
E-57	45	LF	\$300.00	\$13,500.00	\$230.00	\$10,350.00
E-58	220	LF	\$350.00	\$77,000.00	\$240.00	\$52,800.00
E-59	60	LF	\$500.00	\$30,000.00	\$250.00	\$15,000.00
E-60	510	LF	\$225.00	\$114,750.00	\$140.00	\$71,400.00
E-61	10	LF	\$75.00	\$750.00	\$120.00	\$1,200.00
E-62	6	EA	\$5,500.00	\$33,000.00	\$3,000.00	\$18,000.00
E-63	6	EA	\$2,000.00	\$12,000.00	\$1,500.00	\$9,000.00
R-1	74	TON	\$452.00	\$33,448.00	\$500.00	\$37,000.00
R-2	5,209	SF	\$18.00	\$93,762.00	\$20.00	\$104,180.00
R-3	1,727	SF	\$21.00	\$36,267.00	\$22.00	\$37,994.00
R-4	4,950	SF	\$18.00	\$89,100.00	\$20.00	\$99,000.00
R-5	517	SF	\$28.00	\$14,476.00	\$20.00	\$10,340.00
R-6	330	SF	\$35.00	\$11,550.00	\$30.00	\$9,900.00
R-7	579	LF	\$82.00	\$47,478.00	\$120.00	\$69,480.00
R-8	266	LF	\$56.00	\$14,896.00	\$65.00	\$17,290.00
R-9	107	LF	\$85.00	\$9,095.00	\$90.00	\$9,630.00
R-10	19	EA	\$4,600.00	\$87,400.00	\$5,500.00	\$104,500.00
R-11	84	SF	\$76.00	\$6,384.00	\$115.00	\$9,660.00
R-12	9	EA	\$1,900.00	\$17,100.00	\$2,000.00	\$18,000.00
S-1	4	EA	\$4,600.00	\$18,400.00	\$4,000.00	\$16,000.00
SW-1	---	LS	---	\$10,000.00	---	\$6,700.00
SW-2	2	EA	\$13,500.00	\$27,000.00	\$13,500.00	\$27,000.00
SW-3	1	EA	\$3,600.00	\$3,600.00	\$1,500.00	\$1,500.00
SW-4	2	EA	\$1,800.00	\$3,600.00	\$2,700.00	\$5,400.00
SW-5	53	LF	\$980.00	\$51,940.00	\$360.00	\$19,080.00
SW-6	2	EA	\$1,000.00	\$2,000.00	\$215.00	\$430.00
SW-7	1	EA	\$2,000.00	\$2,000.00	\$3,100.00	\$3,100.00
SW-8	7	LF	\$560.00	\$3,920.00	\$250.00	\$1,750.00
M-1	---	LS	---	\$995,000.00	---	\$200,000.00
M-2	---	LS	---	\$9,000.00	---	\$20,000.00
M-3	---	LS	---	\$9,000.00	---	\$20,000.00
M-4	20	EA	\$1,185.00	\$23,700.00	\$1,000.00	\$20,000.00
M-5	---	LS	---	\$375,000.00	---	\$355,000.00
M-6	9	CY	\$600.00	\$5,400.00	\$700.00	\$6,300.00
M-7	11	EA	\$900.00	\$9,900.00	\$500.00	\$5,500.00
M-8	---	LS	---	\$200,000.00	---	\$150,000.00
A-1	---	AL	---	\$11,200.00	---	\$11,200.00
A-2	---	AL	---	\$5,000.00	---	\$5,000.00
A-3	---	AL	---	\$129,000.00	---	\$129,000.00
A-4	---	AL	---	\$50,000.00	---	\$50,000.00
A-5	---	AL	---	\$5,000.00	---	\$5,000.00
A-6	---	AL	---	\$8,400.00	---	\$8,400.00
A-7	---	AL	---	\$30,000.00	---	\$30,000.00
A-8	---	AL	---	\$1,000.00	---	\$1,000.00
A-9	---	AL	---	\$5,000.00	---	\$5,000.00
TOTAL BID PRICE:				\$4,354,391.00		\$3,443,384.00



CONTRACT MONITORING DIVISION OFFICE OF THE CITY ADMINISTRATOR



London N. Breed, Mayor
Carmen Chu, City Administrator

Stephanie Tang, Director

MEMORANDUM

Date: August 2, 2023

To: Earl Gaffud, Project Manager, Department of Public Works

From: Sheila Tagle, Contract Compliance Officer, CMD

Subject: 0000007829 PW Contract No. 36 Traffic Signal Modifications

The Contract Monitoring Division (“CMD”) has reviewed the bids submitted for the above referenced project, applied the appropriate bid discounts, and determined responsiveness to the Chapter 14B pre-award requirements.

Bay Area Lightworks, Inc. (“Bay Area Lightworks”), a Small-OBE LBE, is the lowest responsive bidder with a bid of \$3,443,384.00.

The LBE subcontracting requirement for this project is 25%. Bay Area Lightworks’ LBE subcontracting commitment is 26.67%.

Bay Area Lightworks met the Good Faith Outreach requirement under Approach A – 35%. Bay Area Lightworks will perform \$2,525,051.00 of the project’s scope of work.

The following firms were listed on the Proposed Subcontractors Form:

Subcontractor	Scope of Work	LBE Status	Listed Amount	LBE Credited Amount	LBE Participation (based on credited amount)
DR Traffic Control LLC	Traffic control, traffic control plans	SF MBE-Micro	\$330,000	\$330,000	9.58%
Basset Engineering	Open cut sewer installation	SF OBE-Micro	\$77,153	\$77,153	2.24%
R&S Construction Management, Inc.	Concrete curb work	SF MBE-Micro	\$511,180	\$511,180	14.85%
TOTAL			\$918,333	\$918,333	26.67%

Bay Area Lightworks did not list any non-LBE subcontractor firms on the Proposed Subcontractors Form.

Based on the foregoing, CMD has determined that Bay Area Lightworks has complied with the pre-award Chapter 14B requirements. Should you have any questions, please email me at sheila.tagle@sfgov.org.



CEQA Exemption Determination

PROPERTY INFORMATION/PROJECT DESCRIPTION

Project Address		Block/Lot(s)
SFMTA Contract 36 – Traffic Signal Modifications		
Case No.		Permit No.
2021-007075ENV		
<input checked="" type="checkbox"/> Addition/ Alteration	<input type="checkbox"/> Demolition (requires HRE for Category B Building)	<input type="checkbox"/> New Construction
<p>Project description for Planning Department approval.</p> <p>The San Francisco Municipal Transportation Agency (SFMTA) proposes to modify and upgrade existing traffic signals at 14 intersections throughout the city (see memo for details).</p> <p>The scope of work would include upgrades to existing traffic signal components (mast arms, signal heads, controllers, conduit, wiring, and signal poles), pedestrian countdown signals, and accessible (audible) pedestrian signals. Curb ramps would be upgraded, installed, or replaced at all intersections. Certain intersections would receive full curb ramp upgrades at all corners of the intersection, while curb ramps would be added to just one or two corners of other intersections where a new mast arm would be placed. Curb bulbouts would be constructed at the intersections of 9th Street at Bryant Street and 10th Street at Bryant Street.</p> <p>The maximum depth of excavation would be thirteen (13) feet for pole foundations, eighteen (18) inches for the pull boxes, sixteen (16) inches for the cabinet foundation, and twenty-four (24) inches for the underground conduits.</p> <p>The proposed work would be carried out by a licensed contractor managed by San Francisco Public Works with funding/oversight from SFMTA. SEE ATTACHED FOR FULL DESCRIPTION.</p>		

STEP 1: EXEMPTION TYPE

The project has been determined to be exempt under the California Environmental Quality Act (CEQA).	
<input checked="" type="checkbox"/>	Class 1 - Existing Facilities. Interior and exterior alterations; additions under 10,000 sq. ft.
<input type="checkbox"/>	Class 3 - New Construction. Up to three new single-family residences or six dwelling units in one building; commercial/office structures; utility extensions; change of use under 10,000 sq. ft. if principally permitted or with a CU.
<input type="checkbox"/>	<p>Class 32 - In-Fill Development. New Construction of seven or more units or additions greater than 10,000 sq. ft. and meets the conditions described below:</p> <p>(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.</p> <p>(b) The proposed development occurs within city limits on a project site of no more than 5 acres substantially surrounded by urban uses.</p> <p>(c) The project site has no value as habitat for endangered rare or threatened species.</p> <p>(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.</p> <p>(e) The site can be adequately served by all required utilities and public services.</p>
<input type="checkbox"/>	Other _____
<input type="checkbox"/>	Common Sense Exemption (CEQA Guidelines section 15061(b)(3)). It can be seen with certainty that there is no possibility of a significant effect on the environment.

STEP 2: ENVIRONMENTAL SCREENING ASSESSMENT

TO BE COMPLETED BY PROJECT PLANNER

<input type="checkbox"/>	<p>Air Quality: Would the project add new sensitive receptors (specifically, schools, day care facilities, hospitals, residential dwellings, and senior-care facilities within an Air Pollution Exposure Zone? Does the project have the potential to emit substantial pollutant concentrations (e.g. use of diesel construction equipment, backup diesel generators, heavy industry, diesel trucks, etc.)? <i>(refer to the Environmental</i></p>
<input type="checkbox"/>	<p>Hazardous Materials: <input type="checkbox"/> Maher or <input type="checkbox"/> Cortese</p> <p>Is the project site located within the Maher area or on a site containing potential subsurface soil or groundwater contamination and would it involve ground disturbance of at least 50 cubic yards or a change of use from an industrial use to a residential or institutional use? Is the project site located on a Cortese site or would the project involve work on a site with an existing or former gas station, parking lot, auto repair, dry cleaners, or heavy manufacturing use, or a site with current or former underground storage tanks? <i>if Maher box is checked, note below whether the applicant has enrolled in or received a waiver from the San Francisco Department of Public Health (DPH) Maher program, or if Environmental Planning staff has determined that hazardous material effects would be less than significant.</i></p> <p>Note that a categorical exemption shall not be issued for a project located on the Cortese List</p>
<input type="checkbox"/>	<p>Transportation: Does the project involve a child care facility or school with 30 or more students, or a location 1,500 sq. ft. or greater? Does the project have the potential to adversely affect transit, pedestrian and/or bicycle safety (hazards) or the adequacy of nearby transit, pedestrian and/or bicycle facilities? Would the project involve the intensification of or a substantial increase in vehicle trips at the project site or elsewhere in the region due to autonomous vehicle or for-hire vehicle fleet maintenance, operations or</p>
<input checked="" type="checkbox"/>	<p>Archeological Resources: Would the project result in soil disturbance/modification greater than two (2) feet below grade in an archeological sensitive area or eight (8) feet in a non-archeological sensitive area? If yes, archeology review is required.</p>
<input type="checkbox"/>	<p>Subdivision/Lot Line Adjustment: Does the project site involve a subdivision or lot line adjustment on a lot with a slope average of 20% or more? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, Environmental Planning must issue the exemption.</p>
<input type="checkbox"/>	<p>Average Slope of Parcel = or > 25%, or site is in Edgehill Slope Protection Area or Northwest Mt. Sutro Slope Protection Area: Does the project involve any of the following: (1) New building construction, except one-story storage or utility occupancy, (2) horizontal additions, if the footprint area increases more than 50%, or (3) horizontal and vertical additions increase more than 500 square feet of new projected roof area? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, a geotechnical report is likely required and Environmental Planning must issue the exemption.</p>
<input type="checkbox"/>	<p>Seismic Hazard: <input type="checkbox"/> Landslide or <input type="checkbox"/> Liquefaction Hazard Zone:</p> <p>Does the project involve any of the following: (1) New building construction, except one-story storage or utility occupancy, (2) horizontal additions, if the footprint area increases more than 50%, (3) horizontal and vertical additions increase more than 500 square feet of new projected roof area, or (4) grading performed at a site in the landslide hazard zone? <i>(refer to the Environmental Information tab on https://sfplanninggis.org/PIM/)</i> If box is checked, a geotechnical report is required and Environmental Planning must issue the exemption.</p>
<p>Comments and Planner Signature (optional):</p> <p>The project's potential to adversely affect archeological resources may be avoided by implementation of Public Works Standard Archeological Measure II (Monitoring) at four intersections (3rd and Carroll, 10th and Bryant, 9th and Bryant, Turk and Stanyan). The remaining 14 intersections under the scope of this project would require implementation of Standard Archeological Measure I (Discovery during Construction).</p> <p>Other applicable Public Works Standard Construction Measures include 2: Air Quality (Construction Dust Control Ordinance), 4: Traffic (SFMTA's Blue Book), and 5: Noise (local noise ordinances)</p>	

**STEP 3: PROPERTY STATUS - HISTORIC RESOURCE
TO BE COMPLETED BY PROJECT PLANNER**

PROPERTY IS ONE OF THE FOLLOWING: (refer to Property Information Map)	
<input type="checkbox"/>	Category A: Known Historical Resource. GO TO STEP 5.
<input type="checkbox"/>	Category B: Potential Historical Resource (over 45 years of age). GO TO STEP 4.
<input type="checkbox"/>	Category C: Not a Historical Resource or Not Age Eligible (under 45 years of age). GO TO STEP 6.

**STEP 4: PROPOSED WORK CHECKLIST
TO BE COMPLETED BY PROJECT PLANNER**

Check all that apply to the project.	
<input type="checkbox"/>	1. Change of use and new construction. Tenant improvements not included.
<input type="checkbox"/>	2. Regular maintenance or repair to correct or repair deterioration, decay, or damage to building.
<input type="checkbox"/>	3. Window replacement that meets the Department's <i>Window Replacement Standards</i> . Does not include storefront window alterations.
<input type="checkbox"/>	4. Garage work. A new opening that meets the <i>Guidelines for Adding Garages and Curb Cuts</i> , and/or replacement of a garage door in an existing opening that meets the Residential Design Guidelines.
<input type="checkbox"/>	5. Deck, terrace construction, or fences not visible from any immediately adjacent public right-of-way.
<input type="checkbox"/>	6. Mechanical equipment installation that is not visible from any immediately adjacent public right-of-way.
<input type="checkbox"/>	7. Dormer installation that meets the requirements for exemption from public notification under <i>Zoning Administrator Bulletin No. 3: Dormer Windows</i> .
<input type="checkbox"/>	8. Addition(s) that are not visible from any immediately adjacent public right -of-way for 150 feet in each direction; does not extend vertically beyond the floor level of the top story of the structure or is only a single story in height; does not have a footprint that is more than 50% larger than that of the original building; and does not cause the removal of architectural significant roofing features.
Note: Project Planner must check box below before proceeding.	
<input type="checkbox"/>	Project is not listed. GO TO STEP 5.
<input type="checkbox"/>	Project does not conform to the scopes of work. GO TO STEP 5.
<input type="checkbox"/>	Project involves four or more work descriptions. GO TO STEP 5.
<input type="checkbox"/>	Project involves less than four work descriptions. GO TO STEP 6.

**STEP 5: ADVANCED HISTORICAL REVIEW
TO BE COMPLETED BY PRESERVATION PLANNER**

Check all that apply to the project.	
<input type="checkbox"/>	1. Reclassification of property status. (Attach HRER Part I) <input type="checkbox"/> Reclassify to Category A a. Per HRER b. Other (specify): <input type="checkbox"/> Reclassify to Category C (No further historic review)
<input type="checkbox"/>	2. Project involves a known historical resource (CEQA Category A) as determined by Step 3 and conforms entirely to proposed work checklist in Step 4.
<input type="checkbox"/>	3. Interior alterations to publicly accessible spaces that do not remove, alter, or obscure character defining features.
<input type="checkbox"/>	4. Window replacement of original/historic windows that are not "in-kind" but are consistent with existing historic character.
<input type="checkbox"/>	5. Façade/storefront alterations that do not remove, alter, or obscure character-defining features.

<input type="checkbox"/>	6. Raising the building in a manner that does not remove, alter, or obscure character -defining features.
<input type="checkbox"/>	7. Restoration based upon documented evidence of a building's historic condition, such as historic photographs, plans, physical evidence, or similar buildings.
<input type="checkbox"/>	8. Work consistent with the <i>Secretary of the Interior Standards for the Treatment of Historic Properties (Analysis required)</i> :
<input type="checkbox"/>	9. Work compatible with a historic district (Analysis required):
<input type="checkbox"/>	10. Work that would not materially impair a historic resource (Attach HRER Part II).
Note: If ANY box in STEP 5 above is checked, a Preservation Planner MUST sign below.	
<input type="checkbox"/>	Project can proceed with exemption review. The project has been reviewed by the Preservation Planner and can proceed with exemption review. GO TO STEP 6.
Comments (optional):	
Preservation Planner Signature:	

STEP 6: EXEMPTION DETERMINATION
TO BE COMPLETED BY PROJECT PLANNER

<input checked="" type="checkbox"/>	No further environmental review is required. The project is exempt under CEQA. There are no unusual circumstances that would result in a reasonable possibility of a significant effect.	
	Project Approval Action: City Traffic Engineer Directive	Signature: Lauren Bihl
		08/24/2021
	<p>Supporting documents are available for review on the San Francisco Property Information Map, which can be accessed at https://sfplanninggis.org/PIM/. Individual files can be viewed by clicking on the Planning Applications link, clicking the "More Details" link under the project's environmental record number (ENV) and then clicking on the "Related Documents" link. Once signed or stamped and dated, this document constitutes an exemption pursuant to CEQA Guidelines and Chapter 31 of the Administrative Code.</p> <p>In accordance with Chapter 31 of the San Francisco Administrative Code, an appeal of an exemption determination to the Board of Supervisors can only be filed within 30 days of the project receiving the approval action.</p>	

STEP 7: MODIFICATION OF A CEQA EXEMPT PROJECT

TO BE COMPLETED BY PROJECT PLANNER

In accordance with Chapter 31 of the San Francisco Administrative Code, when a California Environmental Quality Act (CEQA) exempt project changes after the Approval Action and requires a subsequent approval, the Environmental Review Officer (or his or her designee) must determine whether the proposed change constitutes a substantial modification of that project. This checklist shall be used to determine whether the proposed changes to the approved project would constitute a "substantial modification" and, therefore, be subject to additional

MODIFIED PROJECT DESCRIPTION

Modified Project Description:

DETERMINATION IF PROJECT CONSTITUTES SUBSTANTIAL MODIFICATION

Compared to the approved project, would the modified project:

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Result in expansion of the building envelope, as defined in the Planning Code; |
| <input type="checkbox"/> | Result in the change of use that would require public notice under Planning Code Sections 311 or 312; |
| <input type="checkbox"/> | Result in demolition as defined under Planning Code Section 317 or 19005(f)? |
| <input type="checkbox"/> | Is any information being presented that was not known and could not have been known at the time of the original determination, that shows the originally approved project may no longer qualify for the exemption? |

If at least one of the above boxes is checked, further environmental review is required

DETERMINATION OF NO SUBSTANTIAL MODIFICATION

- | | |
|--------------------------|---|
| <input type="checkbox"/> | The proposed modification would not result in any of the above changes. |
|--------------------------|---|

If this box is checked, the proposed modifications are exempt under CEQA, in accordance with prior project approval and no additional environmental review is required. This determination shall be posted on the Planning Department website and office and mailed to the applicant, City approving entities, and anyone requesting written notice. In accordance with Chapter 31, Sec 31.08j of the San Francisco Administrative Code, an appeal of this determination can

Planner Name:

Date:



Contract 36 – Traffic Signal Modifications

The San Francisco Municipal Transportation Agency (SFMTA) proposes to modify and upgrade existing traffic signals at various locations throughout the city, as listed in Table 1 below.

Table 1 – Contract 36 Traffic Signal Modifications

#	Street 1	Street 2	Excavation Depth	Improvement Description	Historic Districts
1	3rd Street	Carroll Ave	13 feet	Replace mast arm pole	No designated Historic Districts
2	4th Street	Howard St	18 inches	Replace pull boxes	No designated Historic Districts
3	7th Avenue	Kirkham	13 feet	Full curb ramp upgrade	No designated Historic Districts
4	9th Street	Brannan	13 feet	Replace mast arm pole	No designated Historic Districts
5	9th Street	Bryant Street	13 feet	Install bulbout and mast arm	No designated Historic Districts
6	10th Street	Bryant Street	13 feet	Install bulbout and lane assignment signs, open closed crosswalk across on-ramp	No designated Historic Districts
7	17th Street	Folsom Street	13 feet	Full curb ramp upgrade	No designated Historic Districts
8	20th Street	Dolores	13 feet	Full curb ramp upgrade	Located within the Inner Mission North Boulevards and Alleys Reconstruction Historic District
9	Bush	Taylor	13 feet	Install mast arm	Located within the Lower Nob Hill Apartment Hotel Historic District ¹
10	California	Presidio	13 feet	Full curb ramp upgrade	No designated Historic Districts
11	Essex	Harrison	13 feet	Install mast arm	No designated Historic Districts

¹ The fire call box at the northeast corner of Bush and Taylor streets will remain in its existing location.



12	Jones	Pine	13 feet	Install mast arm	No designated Historic Districts
13	Pine	Taylor	13 feet	Install mast arm	No designated Historic Districts
14	Stanyan	Turk	13 feet	Full curb ramp upgrade	No designated Historic Districts

The scope of work would include upgrades to existing traffic signal components (mast arms, signal heads, controllers, conduit, wiring, and signal poles), pedestrian countdown signals, and accessible (audible) pedestrian signals.

Curb ramps would be upgraded, installed, or replaced at all intersections. As noted in Table 1, certain intersections would receive full curb ramp upgrades at all corners of the intersection, while curb ramps would be added to just one or two corners of other intersections where a new mast arm would be placed.

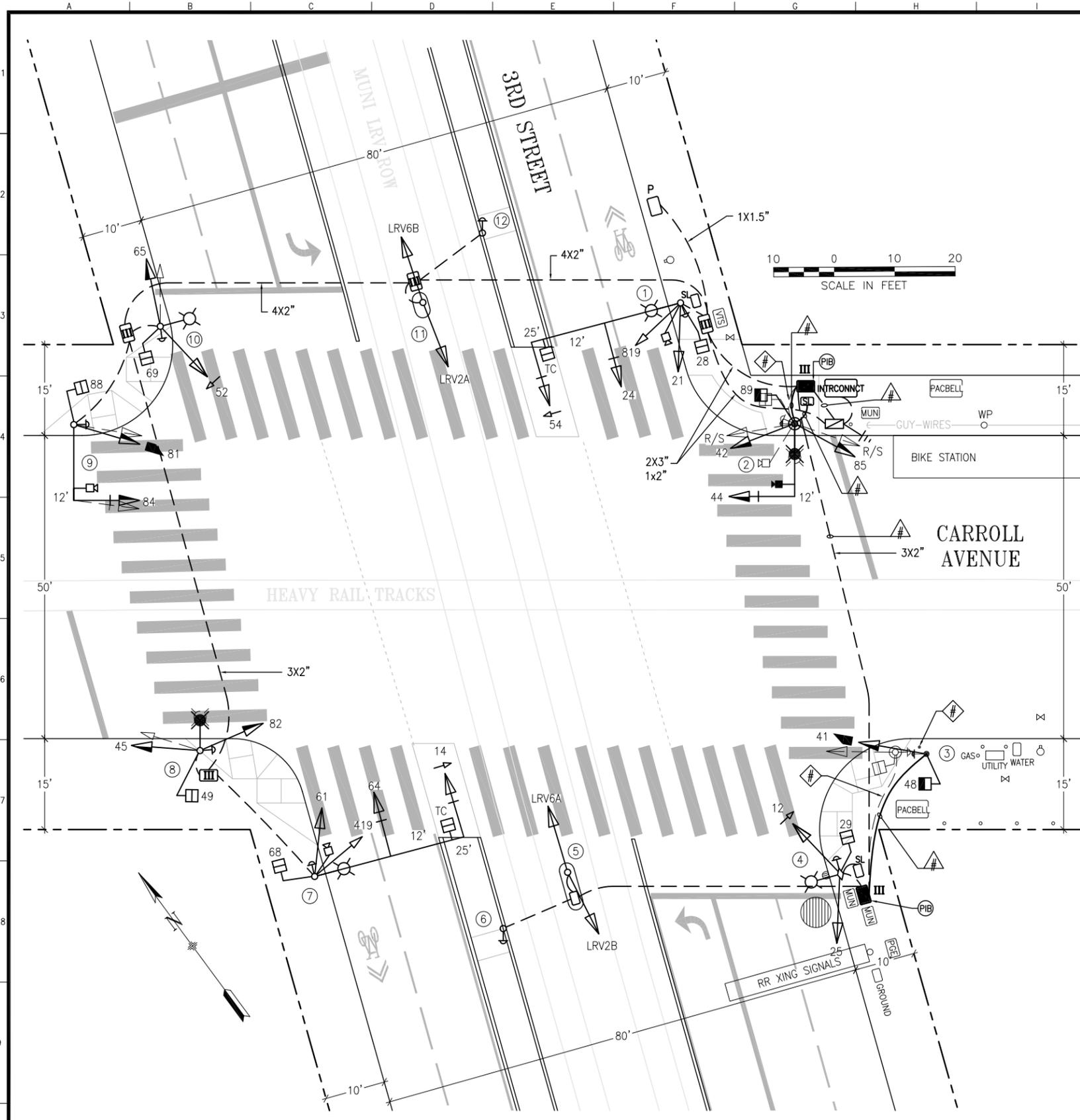
Curb bulbouts would be constructed at the intersections of 9th Street at Bryant Street and 10th Street at Bryant Street. One existing on-street parking space would be removed for the bulbout proposed on 9th Street at Bryant Street. Curb bulbouts would otherwise not require the removal of any existing on-street parking or loading spaces. The curb bulbout at 9th Street at Bryant Street would be six feet wide and would extend 30 feet east and 24 feet west from 9th Street. The curb bulbout at 10th Street and Bryant Street would be 23 feet wide and would extend 56 feet south from Bryant Street. Curb bulbouts at both locations would require the relocation of one catch basin with a maximum excavation depth of twelve (12) feet.

For traffic signals, the maximum depth of excavation would be thirteen (13) feet for pole foundations, eighteen (18) inches for the pull boxes, sixteen (16) inches for the cabinet foundation, and twenty-four (24) inches for the underground conduits.

The proposed work would be carried out by a licensed contractor managed by San Francisco Public Works with funding/oversight from SFMTA. The contractor would be required to comply with the Standard Environmental Procedures 01-35-49, 01-35-50, and 01-35-51. This would include the procedure to distribute the San Francisco Planning Department archeological resource "ALERT" notice to all prime and sub-contractors involved in excavation.

Approval Action:

City Traffic Engineer Directive
Municipal Transportation Agency Board



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	(E)MUNI W/ 25' MA & ORNAMENT. LA		(E)21 (E)24 (E)54 (E)819 (E)TC	3S12" 3S12" 3S12"LA 2S8"X IS 16"X16"	SV-1-T MAS MAS SV-1 MAS	T T T T	BP BP	(E)28	1S-COUNT	SP-1	(E)APS-2W (E)VIDEO DETECT.
②	17-2-100 W/ 12' MA & 6' LA	X 72	44 42 85	3S12" 3S12" 3S12"	MAC SV-2-TA	T T T		89	1S-COUNT	SP-1	APS-2W VIDEO DETECTOR
③	1-A (10')		41	3S12"	TV-1-T	RT ANGLE	BP	48	1S-COUNT	SP-1	APS-2W
④	(E)MUNI W/ ORNAMENTAL LUMINAIRE		(E)12 (E)25	3S12"LA 3S12"	SV-2-T	T T		(E)29	1S-COUNT	SP-1	(E)APS-2W
⑤	(E)1-A (12')		(E)LRV2B (E)LRV6A	2S12"LB 2S12"LB	TV-2-T	T T					
⑥	(E)PPB POLE										(E)APS-2W
⑦	(E)MUNI W/ 25' MA & ORNAMENT. LA		(E)14 (E)61 (E)64 (E)419 (E)TC	3S12"LA 3S12" 3S12"LA 2S8"X IS 16"X16"	MAS SV-1-T MAS SV-1 MAS	T T T T	BP	(E)68	1S-COUNT	SP-1	(E)APS-2W (E)VIDEO DETECT.
⑧	(E)STEEL SL	X 72	45 82	3S12" 3S12"	SV-2-T	T T		(E)49	1S-COUNT	SP-1	(E)APS-2W
⑨	(E)16-2-80 W/ 12' MA		81 84	3S12" 3S12"	SV-1-T MAC	RT ANGLE T	BP	(E)88	1S-COUNT	SP-1	(E)APS-2W (E)VIDEO DETECT.
⑩	(E)MUNI W/ ORNAMENTAL LUMINAIRE		(E)52 65	3S12"LA 3S12"	SV-2-T	T T		(E)69	1S-COUNT	SP-1	(E)APS-2W
⑪	(E)1-A (12')		(E)LRV2A (E)LRV6B	2S12"LB 2S12"LB	TV-2-T	T T					
⑫	(E)PPB POLE										(E)APS-2W

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30 VAN NESS AVENUE, 5TH FLOOR
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Section Mgr:
Deputy Division Mgr:
Division Mgr: PATRICK RIVERA

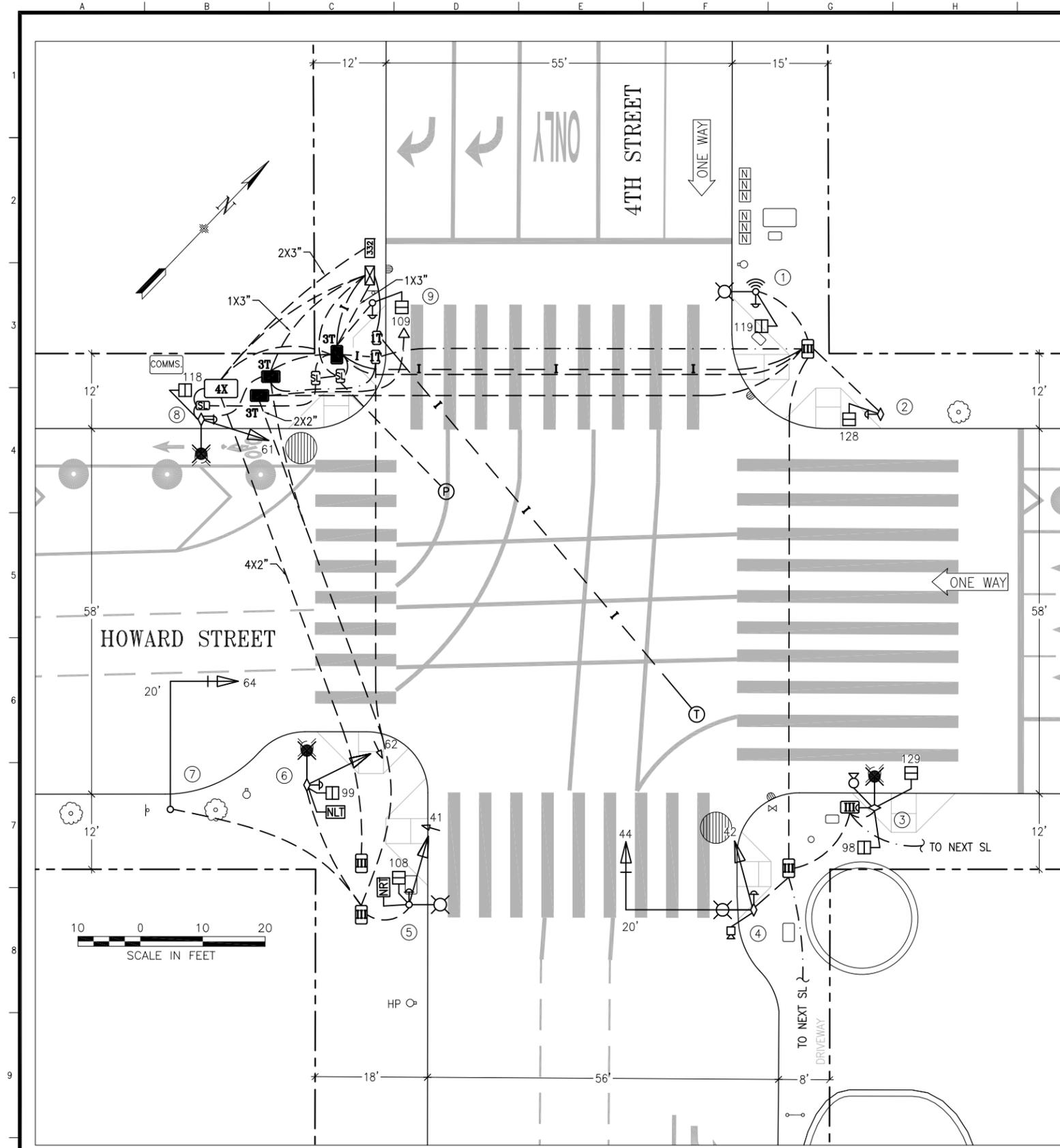
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FILE NO. xxx.xxx
REV. NO. X

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
3RD STREET & CARROLL AVENUE
10% DRAFT DESIGN

Plot Time: Wed, 16 Jun 2021 - 1:47pm



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE		MOUNTING
①	STEEL SL							119	1S-COUNT	SP-1	APS-4W TSP EQUIPMENT
②	MUNI							128	1S-COUNT	SP-1	APS-4W EXT. CONDUIT
③	MUNI W/ 6' LA	X145						98 129	1S-COUNT 1S-COUNT	SP-2-T	APS-4W CCTV
④	MUNI W/ 20' MA & 6' LA		42 44	3S12" 3S12"	SV-1-T MAS	T T	BP				APS-4W CCTV
⑤	STEEL SL		41 NRT	4S12"GRA IS 24"x24"	SV-1-T SV-1	T		108	1S-COUNT	SP-1	APS-4W
⑥	MUNI W/ 6' LA	X145	62 NLT	4S12"GRA IS 24"x24"	SV-1-T SV-1	T		99	1S-COUNT	SP-1	APS-4W EXT. CONDUIT
⑦	16-1-70 W/ 20' MA		64	3S12"	MAS	T	BP				
⑧	MUNI W/ 6' LA	X145	61	3S12"	SV-1-T	T		118	1S-COUNT	SP-1	APS-4W ANTENNA
⑨	1-A (7')							109	1S-COUNT	SP-1	APS-4W

GENERAL NOTES:

- 1. XXX

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Deputy Division Mgr:	DESIGNED: DATE: EL/XX XX/202X
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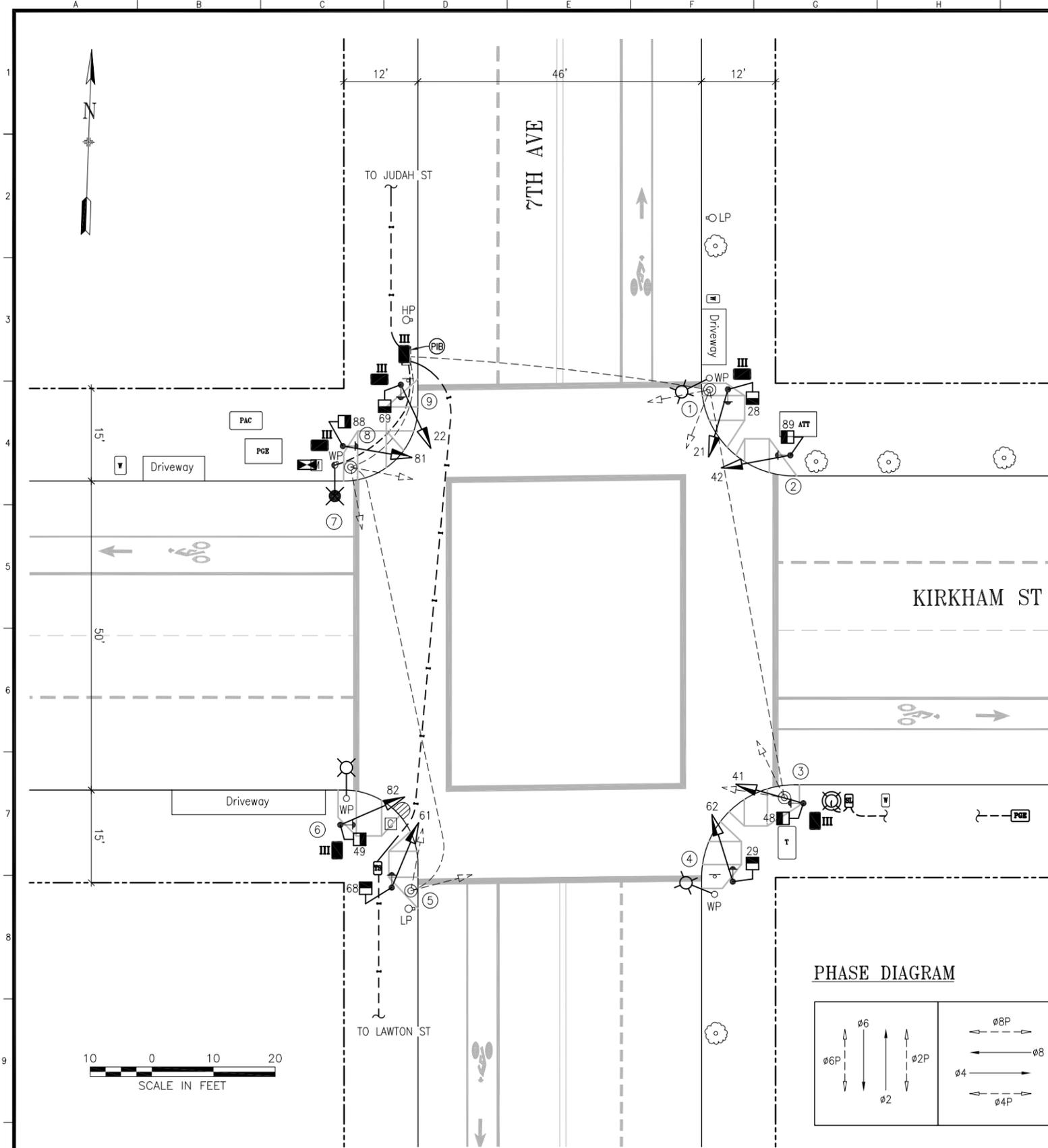
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CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
4TH STREET & HOWARD STREET
10% DRAFT DESIGN

CONTRACT NO. xxxxxJ
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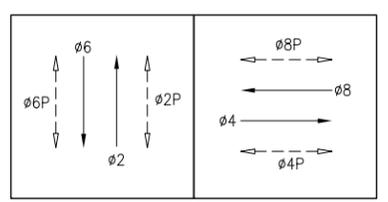


POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE		MOUNTING
①	1-A (10')		21	3S12"	TV-1-T	T		28	1S-COUNT	SP-1	APS-2W
②	1-A (10')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	APS-2W
③	1-A (10')		41	3S12"	TV-1-T	T		48	1S-COUNT	SP-1	APS-2W
④	1-A (10')		62	3S12"	TV-1-T	T		29	1S-COUNT	SP-1	APS-2W
⑤	1-A (10')		61	3S12"	TV-1-T	T		68	1S-COUNT	SP-1	APS-2W
⑥	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	APS-2W
⑦	(E) WOOD POLE										
⑧	1-A (10')		81	3S12"	TV-1-T	T		88	1S-COUNT	SP-1	APS-2W
⑨	1-A (10')		22	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	APS-2W

SHEET NOTES:

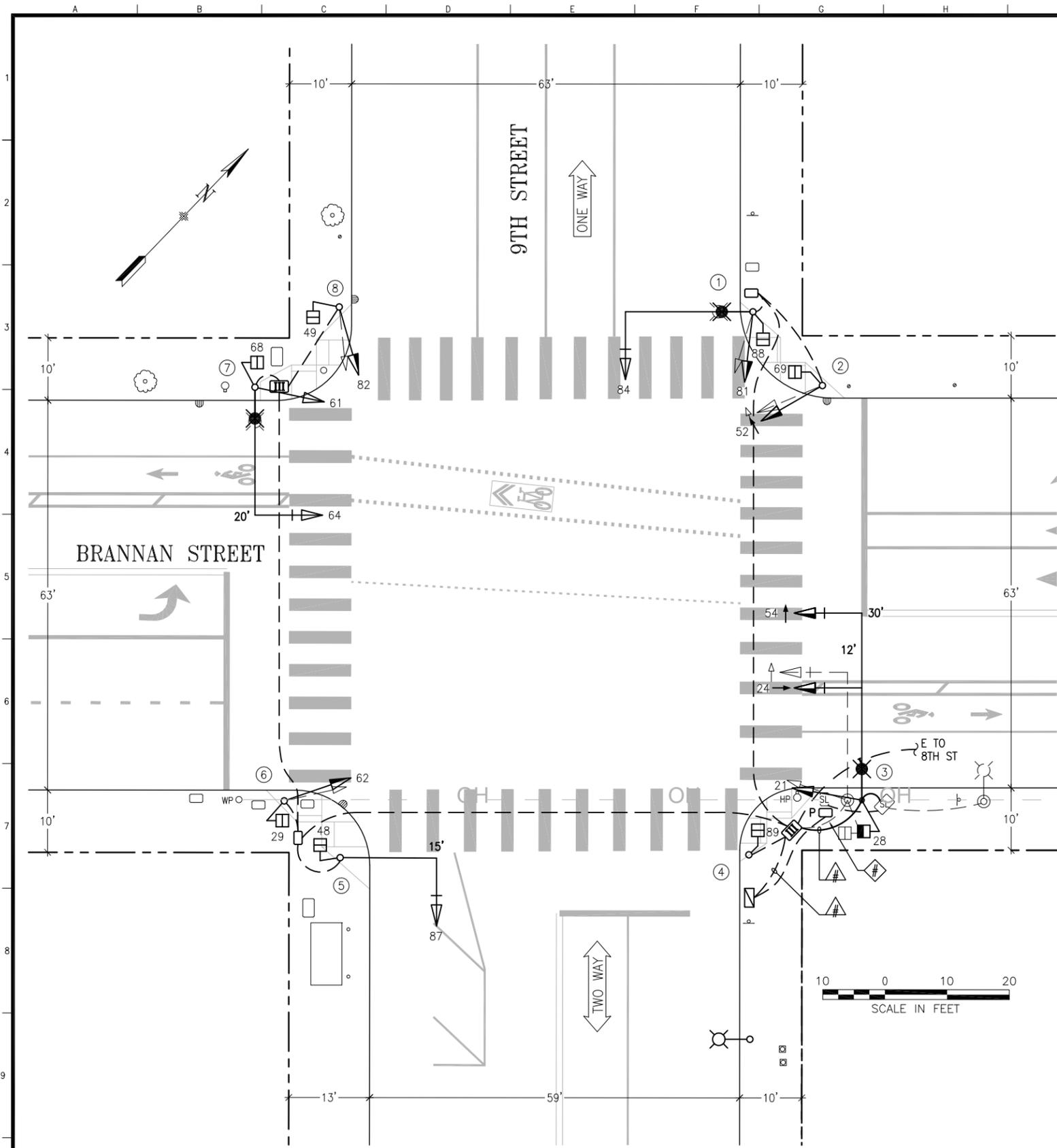
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- ②
- ③
- ④
- ⑤

PHASE DIAGRAM



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			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING		
①	(E)MA POLE		82 (E)84	3S12" 3S12"	SV-1-T MAT	T T		BP	(E)88	1S-COUNT	SP-1	
②	(E)1-A (10')		52	3S12"LA	TV-1-T	T			(E)69	1S-COUNT	SP-1	
③	18-3-100 W/ 30' MA		21 24 54	3S12" 3S12"GVA 3S12"LA	SV-1-T MAC MAC	T T T		BP	28	1S-COUNT	SP-1	
④	(E)1-A (7')								(E)89	1S-COUNT	TP-1	
⑤	(E)MA POLE		(E)87	3S12"	MAT	T		BP	(E)48	1S-COUNT	SP-1	
⑥	(E)1-A (10')		62	3S12"	TV-1-T	T			(E)29	1S-COUNT	SP-1	
⑦	(E)MA POLE		(E)61 (E)64	3S12" 3S12"	SV-1-T MAS	T T		BP	(E)68	1S-COUNT	SP-1	
⑧	(E)1-A (10')		82	3S12"	TV-1-T	T			(E)49	1S-COUNT	SP-1	

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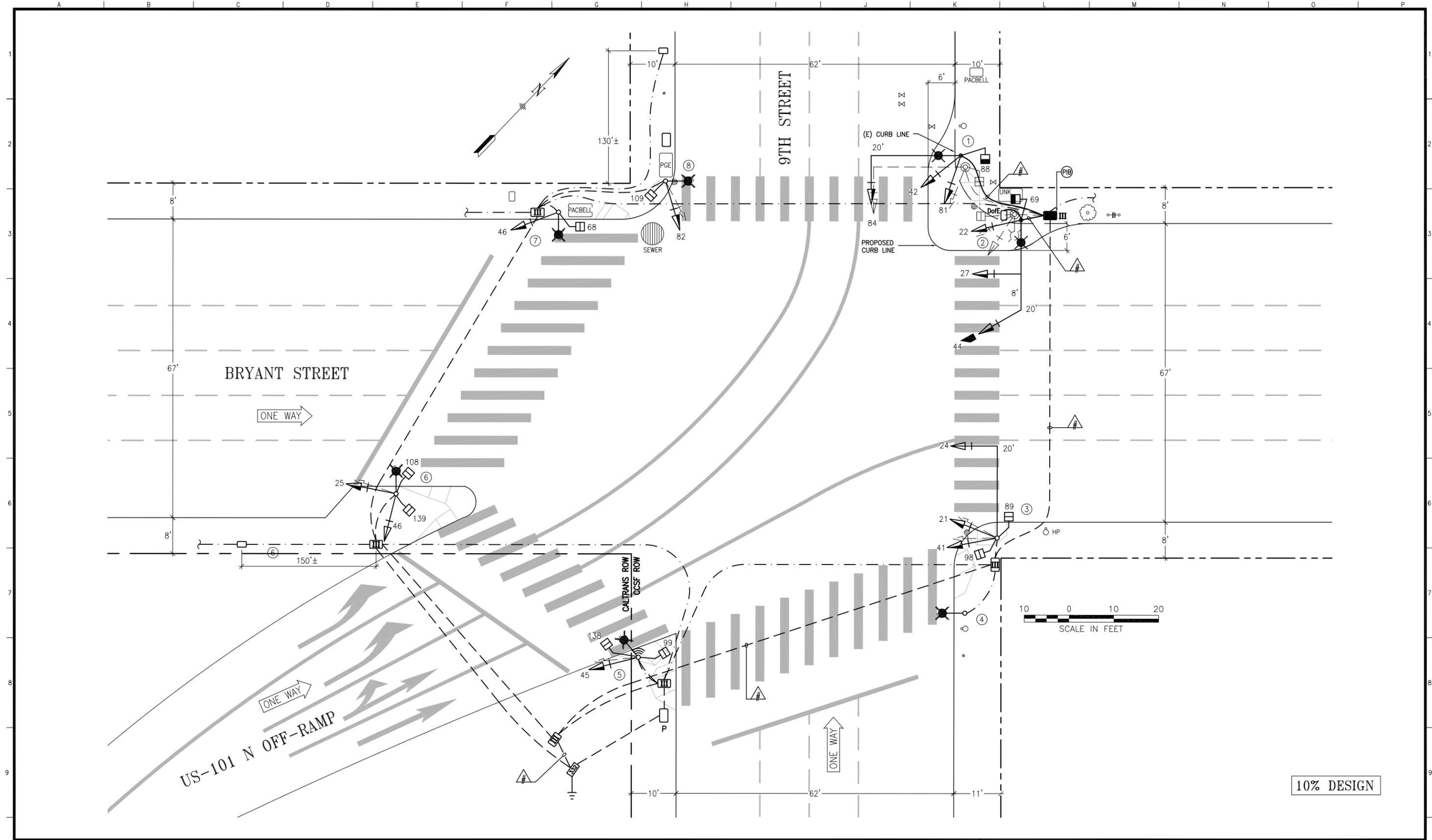
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CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
9TH STREET & BRANNAN STREET
10% DRAFT DESIGN

CONTRACT NO. xxxxxJ
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FILE NO. xxx.xxx
REV. NO. X

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CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
9TH STREET & BRYANT STREET
10% DRAFT DESIGN

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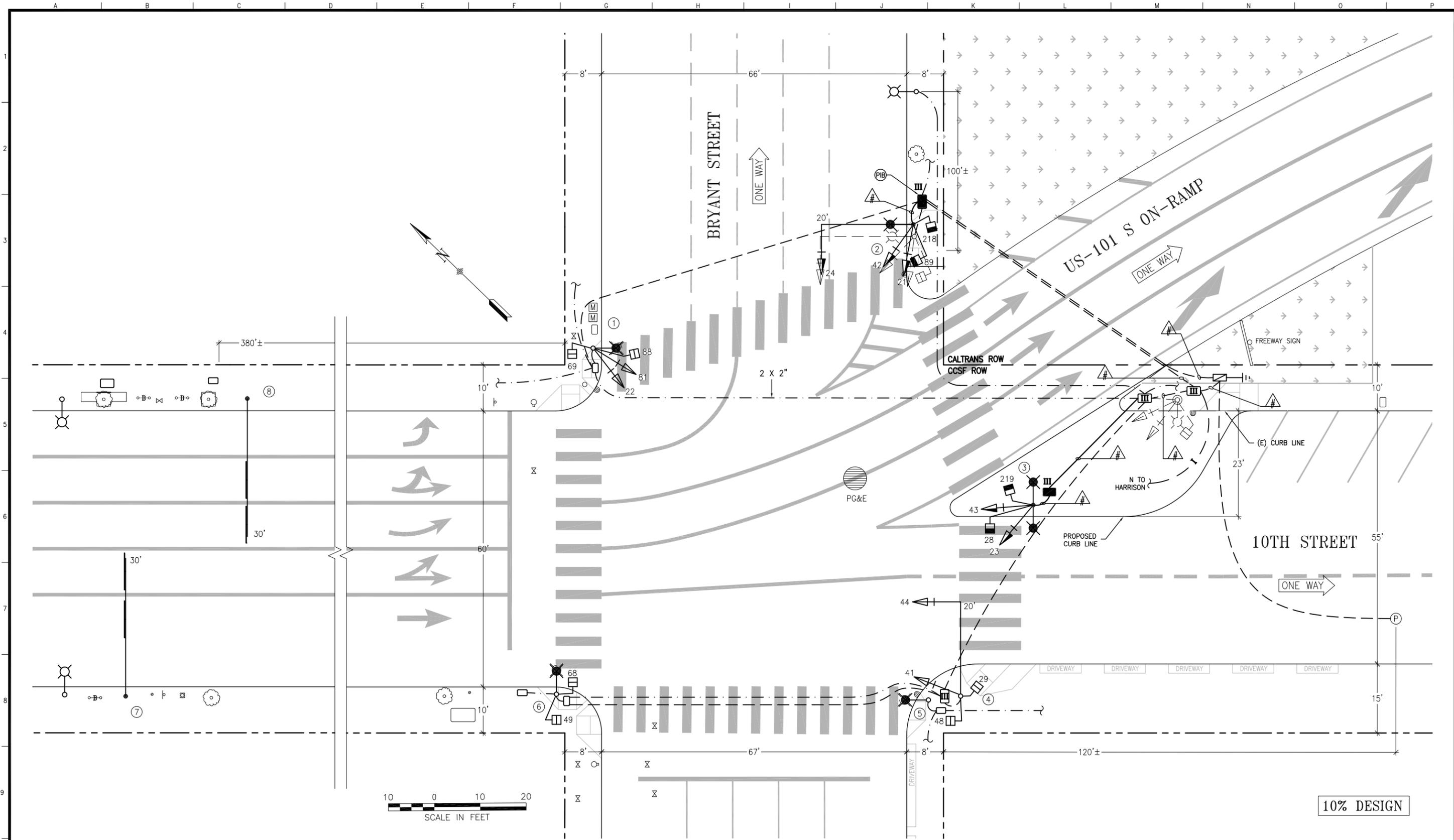
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POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	16-2-100 W/ 20' MA		42	3S12"	SV-1-T	T	VERT.L/BP	88	1S-COUNT	SP-1	42 - MOUNT @15'
			81 84	3S12" 3S12"	SV-1-T MAC	T T T	BP BP				
②	17-3-100 W/ 20' MA & 6' LA		22	3S12"	SV-1-T	T	VERT.L/BP	69	1S-COUNT	SP-1	
			27 44	3S12" 3S12"	MAC MAC	T T RT ANGLE	VERT.L/BP VERT.L/BP VERT.L/BP				
③	(E)16-2-100 W/ 20' MA		(E)24	3S12"	MAS	T	VERT.L/BP	(E)89	1S-COUNT	SP-2-T	21 - MOUNT EAST SIDE 41 - MOUNT @13'
			21 41	3S12" 3S12"	SV-1-T (16") SV-1	T T T	VERT.L/BP VERT.L/BP VERT.L/BP				
⑧	(E)STEEL SL										
④	(E)STEEL SL		45	3S12"	SV-1-T	T	BP	(E)99	1S-COUNT	SP-2-T	(E)TSP EQP.
								(E)138	1S-COUNT		
⑤	(E)STEEL SL		25 (E)46	3S12" 3S12"	SV-1-T SV-1-T	T T	BP BP	(E)108	1S-COUNT	SP-2-T	
								(E)139	1S-COUNT		
⑥	(E)STEEL SL							(E)68	1S-COUNT	SP-1	
⑦	(E)STEEL SL		(E)82	3S12"	SV-1-T	T	BP	(E)49	1S-COUNT	SP-1	

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 Model Units: Undefined
 Measurement Units are English
 1:53pm



NO.	DATE	DESCRIPTION	BY	APP.
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REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

DESIGNED: EL/XX	DATE: XX/2021
DRAWN: CS2/XX	DATE: XX/2021
CHECKED: GD/XX	DATE: XX/2021

SCALE:
AS SHOWN
SHEET OF SHEETS
XX OF XX

CONTRACT NO. xxxxxJ
DRAWING NO. E-X.0
FILE NO. xxx.xxx
REV. NO. X

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS

10TH STREET & BRYANT STREET
10% DRAFT DESIGN

CONTRACT NO. xxxxxJ
DRAWING NO. E-X.0
FILE NO. xxx.xxx
REV. NO. X

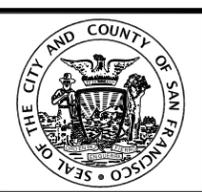
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 Model Units: Undefined
 Plot Time: Wed, 16 Jun 2021 - 1:55pm

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	(E)STEEL SL		(E)22 (E)81	3S12" 3S12"	SV-2-TA	T T	BP BP	(E)69 (E)88	1S-COUNT 1S-COUNT	SP-1 SP-1	
②	17-2-100 W/ 20' MA & 6' LA		24 21 42	3S12" 3S12" 3S12"	MAC SV-2-TA	T T T	BP BP BP	218 89	1S-COUNT 1S-COUNT	SP-1 SP-1	
③	STEEL SL 28.5' W/ 6' LA		43 23	3S12" 3S12"	SV-2-TA	T T	BP BP	28 219	1S-COUNT 1S-COUNT	SP-1 SP-1	
④	(E)16-1-70 W/ 20' MA		(E)44 (E)41	3S12" 3S12"	MAS SV-2-TA	FC T	BP BP	(E)29 (E)48	1S-COUNT 1S-COUNT	SP-1-2T	(E) TSP EQP.
⑤	(E)STEEL SL										
⑥	(E)STEEL SL						BP BP	(E)49 (E)68	1S-COUNT 1S-COUNT	SP-1 SP-1	
⑦	LIGHTWEIGHT OVERHEAD SIGN POST										
⑧	LIGHTWEIGHT OVERHEAD SIGN POST										

10% DESIGN

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/16/21 13:46, BY: ELuu				

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& FILE NO. OF SURVEYS



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

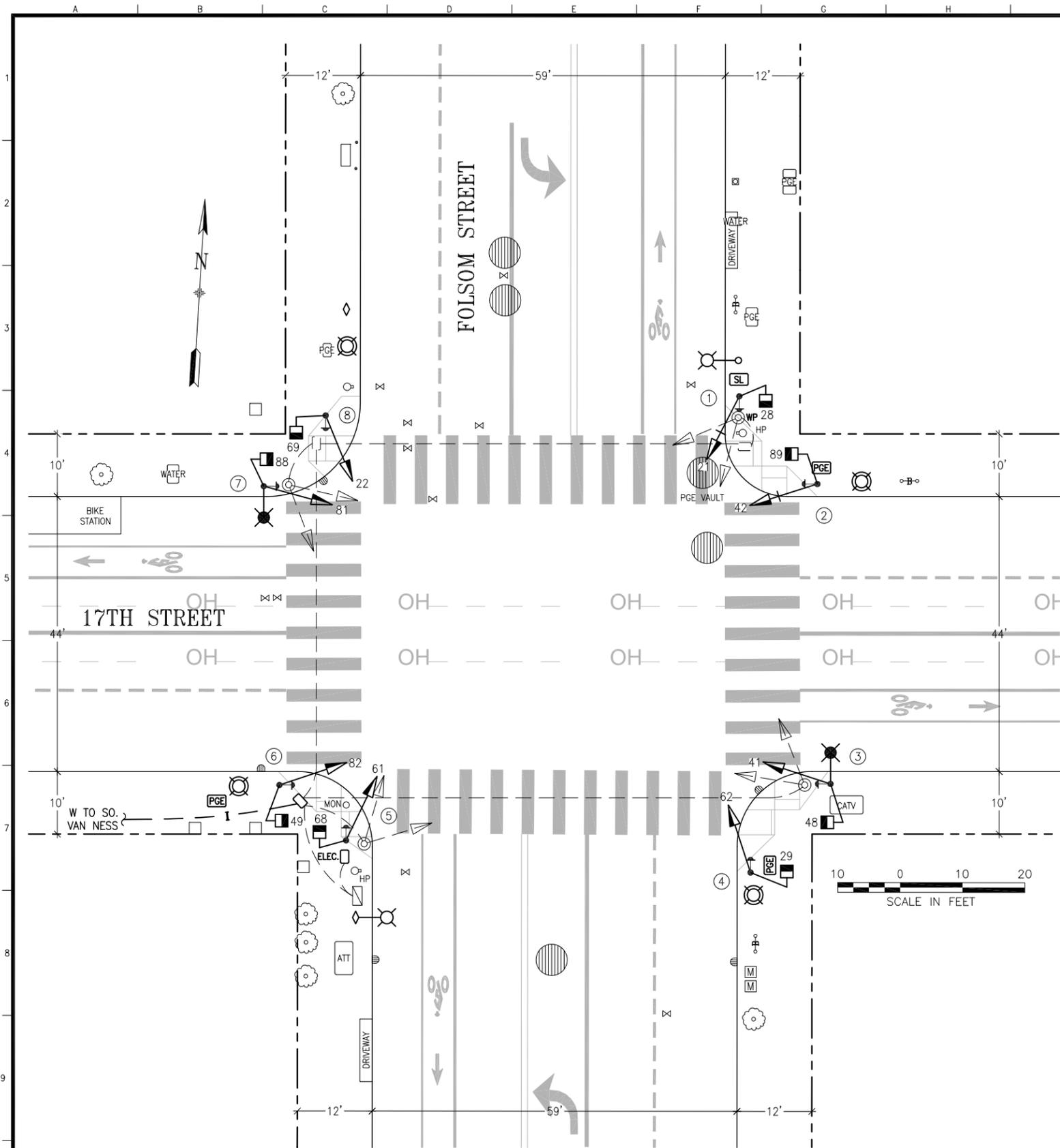
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DRAWN: CS2/XX	DATE: XX/2021
CHECKED: GD/XX	DATE: XX/2021

SCALE:
AS SHOWN
SHEET OF SHEETS
XX OF XX

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
10TH STREET & BRYANT STREET
10% DRAFT POLE & EQUIPMENT SCHEDULE

CONTRACT NO. xxxxxJ
DRAWING NO. E-X.0
FILE NO. xxx.xxx
REV. NO. X

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 Model Units: Undefined
 Model Units: Undefined



POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE		MOUNTING
①	1-A (10')		21	3S12"	TV-1-T	T		28	1S-COUNT	SP-1	
②	1-A (10')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	
③	STEEL SL 28.5' W/ 6' LA		41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	
④	1-A (10')		62	3S12"	TV-1-T	T		29	1S-COUNT	SP-1	
⑤	1-A (10')		61	3S12"	TV-1-T	T		68	1S-COUNT	SP-1	
⑥	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	
⑦	STEEL SL 28.5' W/ 6' LA		81	3S12"	SV-1-T	T		88	1S-COUNT	SP-1	
⑧	1-A (10')		22	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/16/21 13:46, BY: ELuu				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr: _____ Date: _____
Deputy Division Mgr: _____
Division Mgr: PATRICK RIVERA

DESIGNED: DATE: EL/XX XX/2021
DRAWN: DATE: CS2/XX XX/2021
CHECKED: DATE: GD/XX XX/2021

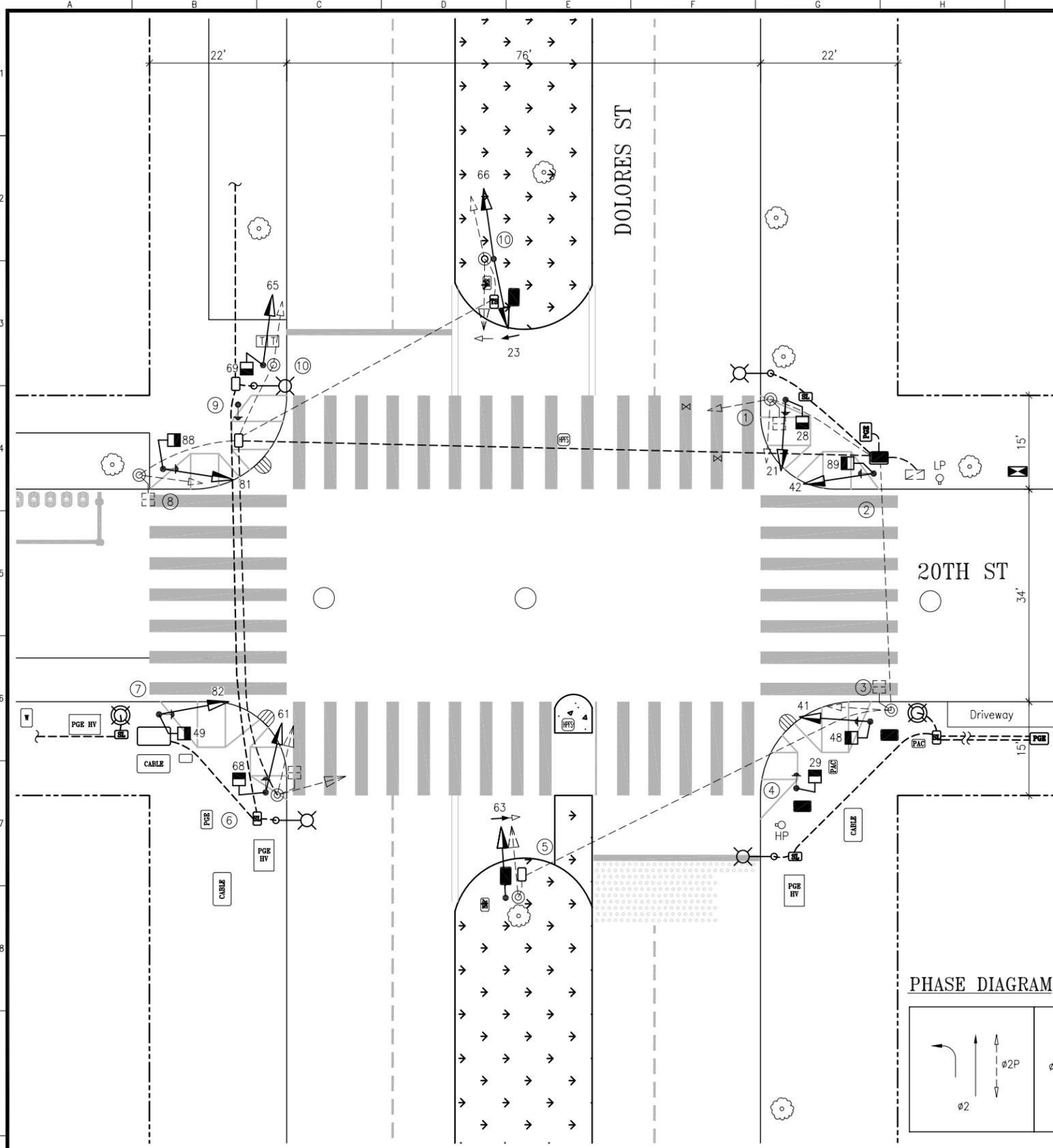
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AS SHOWN
SHEET OF SHEETS
XX OF XX

CONTRACT NO. xxxxxJ
DRAWING NO. E-X.0
FILE NO. xxx.xxx
REV. NO. X

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
17TH STREET & FOLSOM STREET
10% DRAFT DESIGN

CONTRACT NO. xxxxxJ
DRAWING NO. E-X.0
FILE NO. xxx.xxx
REV. NO. X

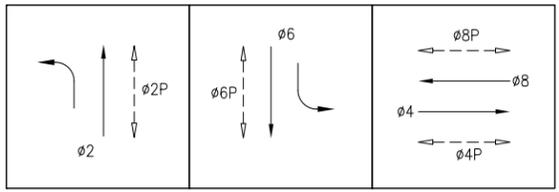
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POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE		MOUNTING
①	1-A (10')		21	3S12"	TV-1-T	T		28	1S-COUNT	SP-1	APS-2W
②	1-A (10')		42	3S12"	TV-1-T	T		89	1S-COUNT	SP-1	APS-2W
③	1-A (10')		41	3S12"	TV-1-T	T		48	1S-COUNT	SP-1	APS-2W
④	1-A (10')							29	1S-COUNT	SP-1	APS-2W
⑤	1-A (10')		63	4S12" RA	TV-1-T	T					
⑥	1-A (10')		61	3S12"	TV-1-T	T		68	1S-COUNT	SP-1	APS-2W
⑦	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	APS-2W
⑧	1-A (10')		81	3S12"	TV-1-T	T		88	1S-COUNT	SP-1	APS-2W
⑨	1-A (10')		65	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	APS-2W
⑩	1-A (10')		23 66	4S12" RA 3S12"	TV-2-T	T					

- SHEET NOTES:**
- ① xxxx
 - ②
 - ③
 - ④
 - ⑤

PHASE DIAGRAM



10% DESIGN

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

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DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

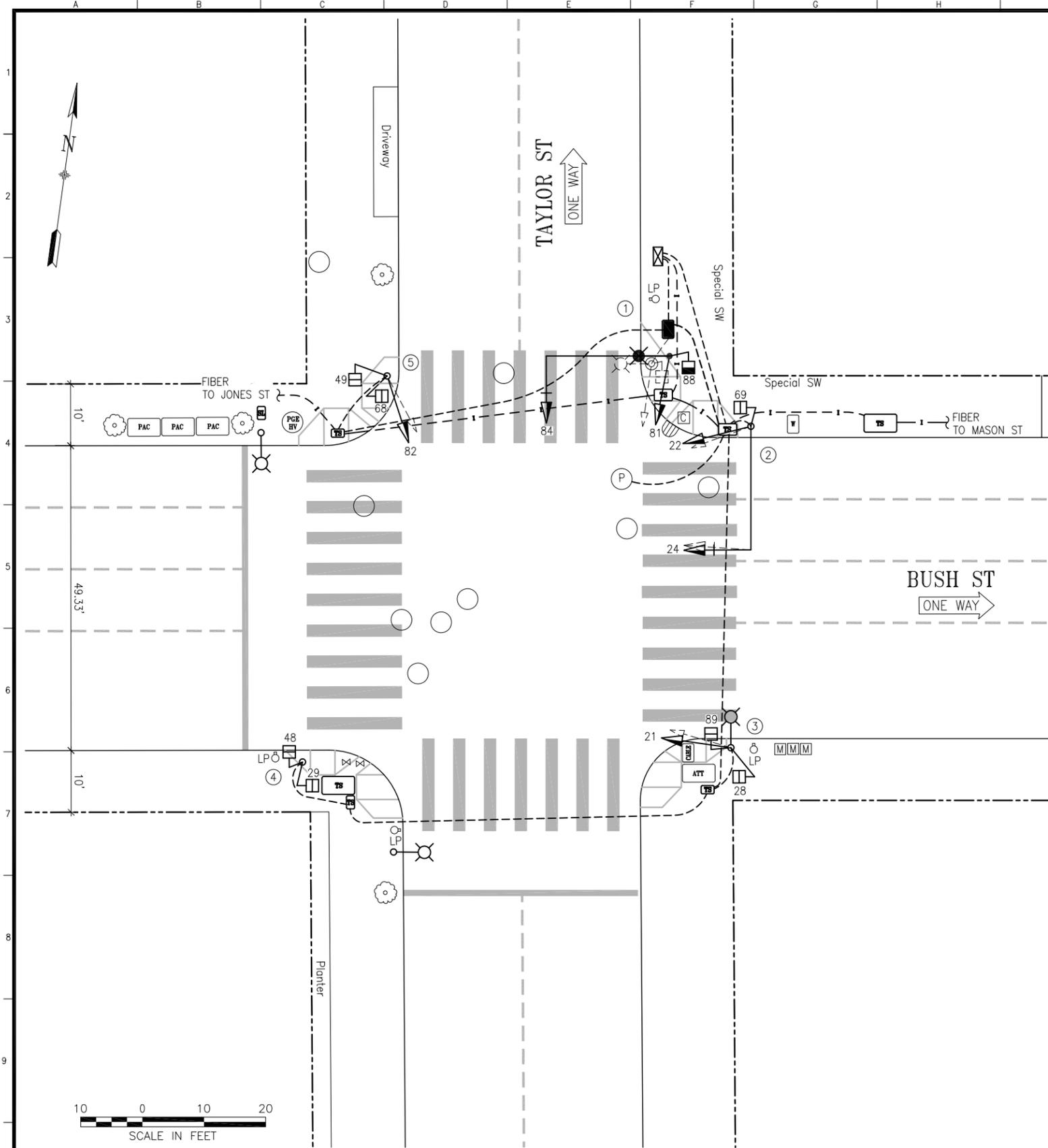
Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

DESIGNED: NK/XX	DATE: 04/2021
DRAWN: NK/XX	DATE: 04/2021
CHECKED: GD/XX	DATE: XX/2021

SCALE:
AS SHOWN
SHEET OF SHEETS
01 OF XX

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
20TH STREET AND DOLORES STREET
10% DRAFT DESIGN

CONTRACT NO. xxxxJ
DRAWING NO. E-1.0
FILE NO. XXX.XXX
REV. NO. X

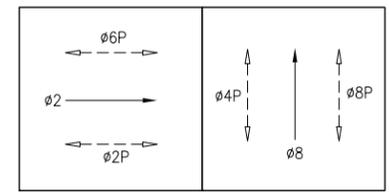


POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	17-2-100 WITH 20' MAST ARM AND 6' LUMINAIRE	X X	81 84	3S12" 3S12"	SV-1-T MAC	T T	BP	88	1S-COUNT	SP-1	
②	16-1-70 WITH 20' MAST ARM		22 24	3S12" 3S12"	SV-1-T MAC	T T	BP	69	1S-COUNT	SP-1	
③	CITY STANDARD STREETLIGHT	X 200	21	3S12"	SV-1-T	T		28 89	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")	
④	1-A (7')							29 48	1S-COUNT 1S-COUNT	TP-2-T	
⑤	1-A (10')		82	3S12"	TV-1-T	T		49 68	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")	

SHEET NOTES:

- ① xxxxxx
- ②
- ③
- ④
- ⑤

PHASE DIAGRAM



10% DESIGN

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



DESIGN & ENGINEERING
 PUBLIC WORKS
 CITY & COUNTY OF SAN FRANCISCO
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

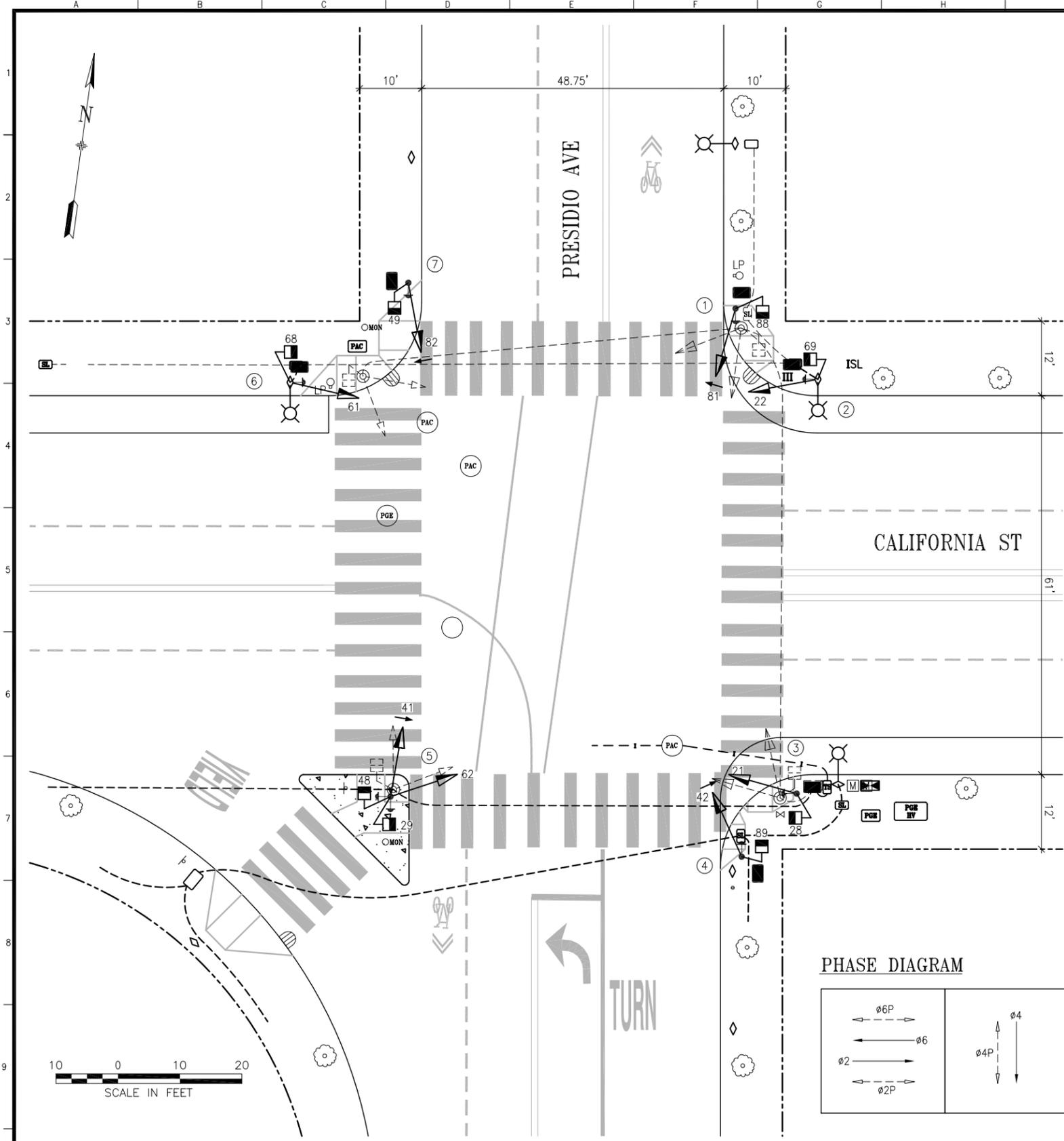
Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

DESIGNED: NK/XX	DATE: 04/2021
DRAWN: NK/XX	DATE: 04/2021
CHECKED: GD/XX	DATE: XX/2021

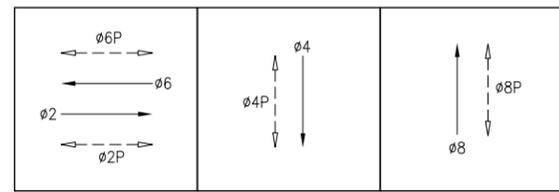
SCALE: AS SHOWN
 SHEET OF SHEETS: 01 OF XX

CONTRACT 36
 TRAFFIC SIGNAL MODIFICATIONS
BUSH STREET AND TAYLOR STREET
 10% DRAFT DESIGN

CONTRACT NO. xxxxJ
DRAWING NO. E-1.0
FILE NO. XXX.XXX
REV. NO. X



PHASE DIAGRAM



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	1-A (10')		81	4S12" LA	TV-1-T	T		88	1S-COUNT	SP-1	APS-2W
②	(E) MUNI POLE		22	3S12"	SV-1-T	T		69	1S-COUNT	SP-1	APS-2W
③	1-A (10')		21	3S12"	SV-1-T	T		28	1S-COUNT	SP-1	APS-2W
④	1-A (10')		42	4S12" LA	TV-1-T	T		89	1S-COUNT	SP-1	APS-2W
⑤	1-A (10')		41 62	4S12" LA 3S12"	TV-2-T-SFA	T T		29 48	1S-COUNT 1S-COUNT	SP-1 SP-1	APS-2W X 2
⑥	(E) MUNI POLE		61	3S12"	SV-1-T	T		68	1S-COUNT	SP-1	APS-2W
⑦	1-A (10')		82	4S12" LA	TV-1-T	T		49	1S-COUNT	SP-1	APS-2W
⑧											
⑨											
⑩											

SHEET NOTES:

- ① xxxxxxx
- ②
- ③
- ④
- ⑤

10% DESIGN

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



DESIGN & ENGINEERING
 PUBLIC WORKS
 CITY & COUNTY OF SAN FRANCISCO
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

DESIGNED: NK/XX	DATE: 04/2021
DRAWN: NK/XX	DATE: 04/2021
CHECKED: GD/XX	DATE: XX/2021

SCALE: AS SHOWN
 SHEET OF SHEETS: 01 OF XX

CONTRACT 36
 TRAFFIC SIGNAL MODIFICATIONS
CALIFORNIA STREET AND PRESIDIO AVENUE
 10% DRAFT DESIGN

CONTRACT NO. xxxxJ
DRAWING NO. E-1.0
FILE NO. XXX.XXX
REV. NO. X

POLE AND EQUIPMENT SCHEDULE												
POLE No.	TYPE OF POLE	LUMINAIRE TYPE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING		
①	(E)15TS SL W/ 8' LA								(E)69	1S-COUNT	SP-1-T	PPB
②	16-3-100 W/ 20' MA		27 22 65 67	3S12" 3S12" 3S12" 3S12"	MAC SV-2-T MAC	T T T T	BP BP BP BP	88	1S-COUNT	SP-1-T	PPB	
③	(E)17-2-100 W/ 20' LA & 8' MA		(E)21 (E)24 66	3S12" 3S12" 3S12"	SV-1-T MAT SV-1-T	T T T	BP BP BP				PPB 66 - MOUNT @15'	
④	(E)16-1-100		(E)42 (E)92	3S12" 2S12"LB	SV-1-T SV-1	T T	BP	(E)89	1S-COUNT	SP-1-T		
⑤	(E)1-A (15')		(E)47 (E)62 (E)91	3S12" 3S12" 2S12"LB	SV-2-T TV-1-T	T T T	BP BP BP					
⑥	(E)1-A (10')		(E)25 (E)41	3S12" 3S12"	TV-2-T	T T	BP BP					
⑦	(E)18-3-100 W/ 25' MA		(E)61 (E)64	3S12" 3S12"	SV-1-T MAT	T T	BP BP	(E)68	1S-COUNT	SP-1-T	PPB	
⑧	(E)1-A (10')		(E)45	3S12"	TV-1-T	T	BP					
⑨	(E)16-1-100		(E)46	3S12"	SV-1-T	T	BP					
⑩	(E)STEEL SL											

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NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/16/21 13:46, BY: ELuu				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	Date:
Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

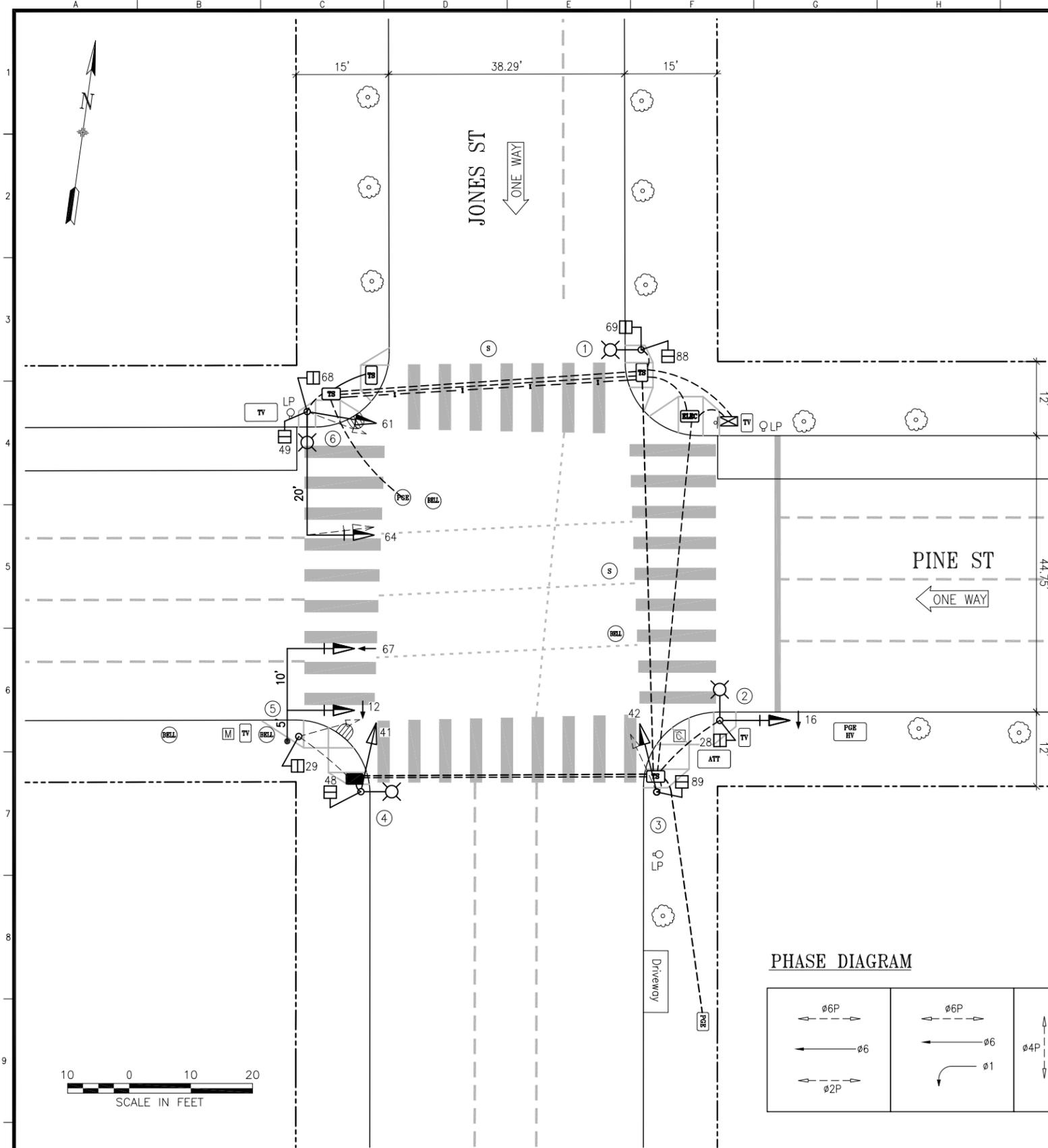
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CHECKED: GD/XX	DATE: XX/2021

SCALE:
AS SHOWN
SHEET OF SHEETS
XX OF XX

CONTRACT 36
TRAFFIC SIGNAL MODIFICATIONS
ESSEX STREET & HARRISON STREET
10% DRAFT POLE & EQUIPMENT SCHEDULE

CONTRACT NO.	xxxxJ
DRAWING NO.	E-X.1
FILE NO.	xxx.xxx
REV. NO.	X

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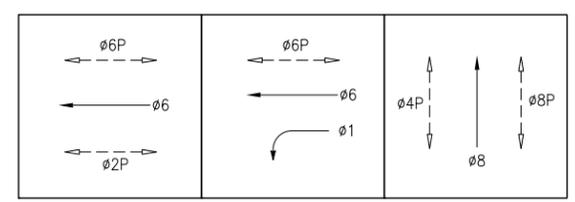


POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			REMARKS	
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE		MOUNTING
①	(E) STEEL STREETLIGHT							(E) 69 (E) 88	(E) 1S-COUNT (E) 1S-COUNT	(E) SP-1 (E) SP-1	
②	(E) STEEL STREETLIGHT							(E) 28	(E) 1S-COUNT	(E) SP-1	
③	(E) 1-A (10')		42	3S12"	TV-1-T	T		(E) 89	(E) 1S-COUNT	(E) SP-1	
④	(E) STEEL STREETLIGHT		(E) 41	(E) 3S12"	(E) SV-1-T	(E) T		(E) 48	(E) 1S-COUNT	(E) SP-1	
⑤	16-2-100 WITH 15' MAST ARM		12 67	3S12" LA 3S12" GSA	MAC MAC	T T	BP BP	29	1S-COUNT	SP-1	
⑥	(E) 17-1-70 WITH 20' MAST ARM AND 6' LUMINAIRE		61 64	3S12" 3S12"	SV-1-T MAC	T T		(E) 49 (E) 68	(E) 1S-COUNT (E) 1S-COUNT	(E) SP-1 (E) SP-1	

SHEET NOTES:

- ① xxxxx
- ②
- ③
- ④
- ⑤

PHASE DIAGRAM



10% DESIGN

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

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DESIGN & ENGINEERING
 PUBLIC WORKS
 CITY & COUNTY OF SAN FRANCISCO
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

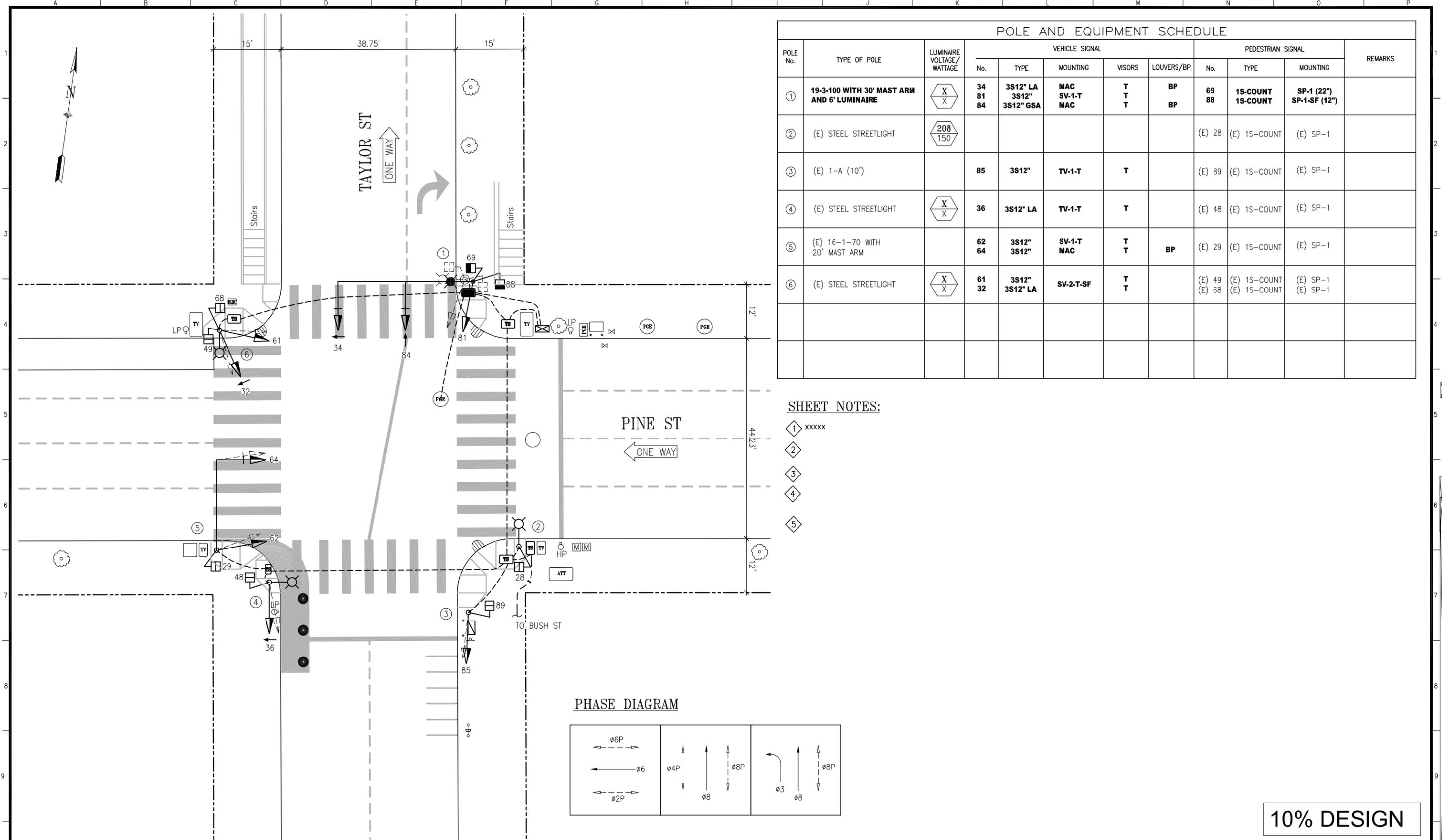
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Deputy Division Mgr:	
Division Mgr: PATRICK RIVERA	

DESIGNED: NK/XX	DATE: 04/2021
DRAWN: NK/XX	DATE: 04/2021
CHECKED: GD/XX	DATE: XX/2021

SCALE: AS SHOWN
SHEET OF SHEETS: 01 OF XX

CONTRACT 36
 TRAFFIC SIGNAL MODIFICATIONS
JONES STREET AND PINE STREET
 10% DRAFT DESIGN

CONTRACT NO. xxxxJ
DRAWING NO. E-1.0
FILE NO. XXX.XXX
REV. NO. X

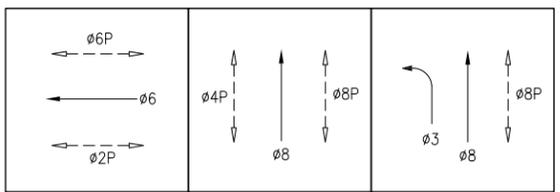


POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	19-3-100 WITH 30' MAST ARM AND 6' LUMINAIRE	X X	34 81 84	3S12" LA 3S12" GSA	MAC SV-1-T MAC	T T T	BP BP	69 88	1S-COUNT 1S-COUNT	SP-1 (22") SP-1-SF (12")	
②	(E) STEEL STREETLIGHT	208 150						(E) 28	(E) 1S-COUNT	(E) SP-1	
③	(E) 1-A (10')		85	3S12"	TV-1-T	T		(E) 89	(E) 1S-COUNT	(E) SP-1	
④	(E) STEEL STREETLIGHT	X X	36	3S12" LA	TV-1-T	T		(E) 48	(E) 1S-COUNT	(E) SP-1	
⑤	(E) 16-1-70 WITH 20' MAST ARM		62 64	3S12" 3S12"	SV-1-T MAC	T T	BP	(E) 29	(E) 1S-COUNT	(E) SP-1	
⑥	(E) STEEL STREETLIGHT	X X	61 32	3S12" 3S12" LA	SV-2-T-SF	T T		(E) 49 (E) 68	(E) 1S-COUNT (E) 1S-COUNT	(E) SP-1 (E) SP-1	

SHEET NOTES:

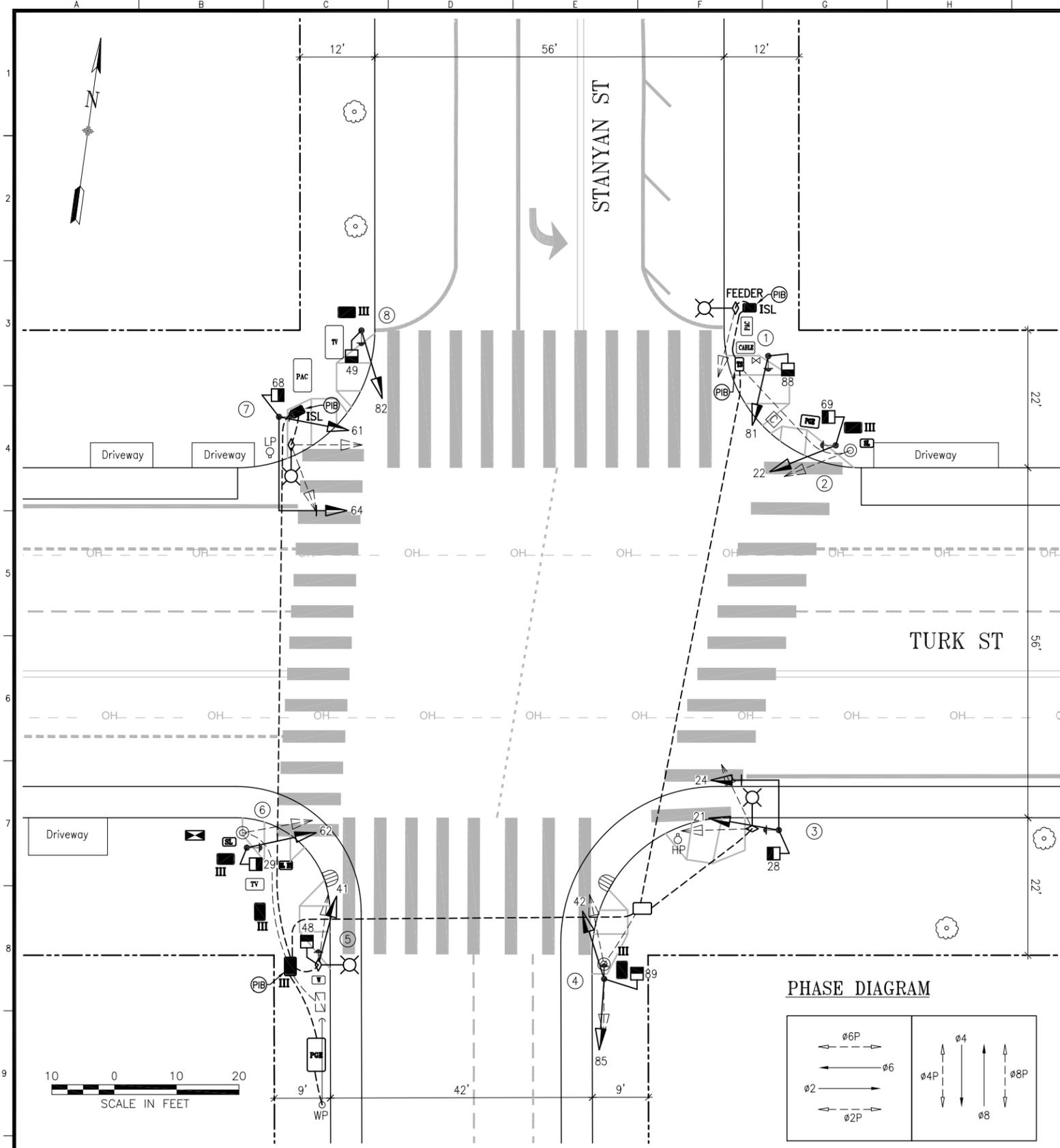
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- ②
- ③
- ④
- ⑤

PHASE DIAGRAM



10% DESIGN

<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td colspan="5">TABLE OF REVISIONS</td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION	BY	APP.	TABLE OF REVISIONS					REFERENCE INFORMATION & FILE NO. OF SURVEYS			DESIGN & ENGINEERING PUBLIC WORKS CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028	Section Mgr: Deputy Division Mgr: Division Mgr: PATRICK RIVERA	Date: DESIGNED: NK/XX 04/2021 DRAWN: NK/XX 04/2021 CHECKED: GO/XX XX/2021	SCALE: AS SHOWN SHEET OF SHEETS 01 OF XX	CONTRACT 36 TRAFFIC SIGNAL MODIFICATIONS PINE STREET AND TAYLOR STREET 10% DRAFT DESIGN	CONTRACT NO. xxxxJ DRAWING NO. E-1.0 FILE NO. XXX.XXX REV. NO. X
NO.	DATE	DESCRIPTION	BY	APP.																
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POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	1-A (10')		81	3S12"	TV-1-T	T		88	1S-COUNT	SP-1	APS-2W
②	1-A (10')		22	3S12"	TV-1-T	T		69	1S-COUNT	SP-1	APS-2W
③	16-2-100 with 15' MAST ARM		21 24	3S12" 3S12"	SV-1-T MAC	T T		28	1S-COUNT	SP-1	APS-2W
④	1-A (10')		42 85	3S12" 3S12"	TV-2-T	T T		89	1S-COUNT	SP-1	APS-2W
⑤	(E) MUNI POLE	⬡ X X	41	3S12"	SV-1-T	T		48	1S-COUNT	SP-1	APS-2W
⑥	1-A (10')		62	3S12"	TV-1-T	T		29	1S-COUNT	SP-1	APS-2W
⑦	(E) MUNI POLE	⬡ X X									
⑧	16-2-100 with 15' MAST ARM		61 64	3S12" 3S12"	SV-1-T MAC	T T		68	1S-COUNT	SP-1	APS-2W
⑨	1-A (10')		82	3S12"	TV-1-T	T		49	1S-COUNT	SP-1	APS-2W
⑩											

- SHEET NOTES:**
- ① XXXXX
 - ②
 - ③
 - ④
 - ⑤

10% DESIGN

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