

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft -
For Review Only

Infrastructure Plan Sheets

Downtown West

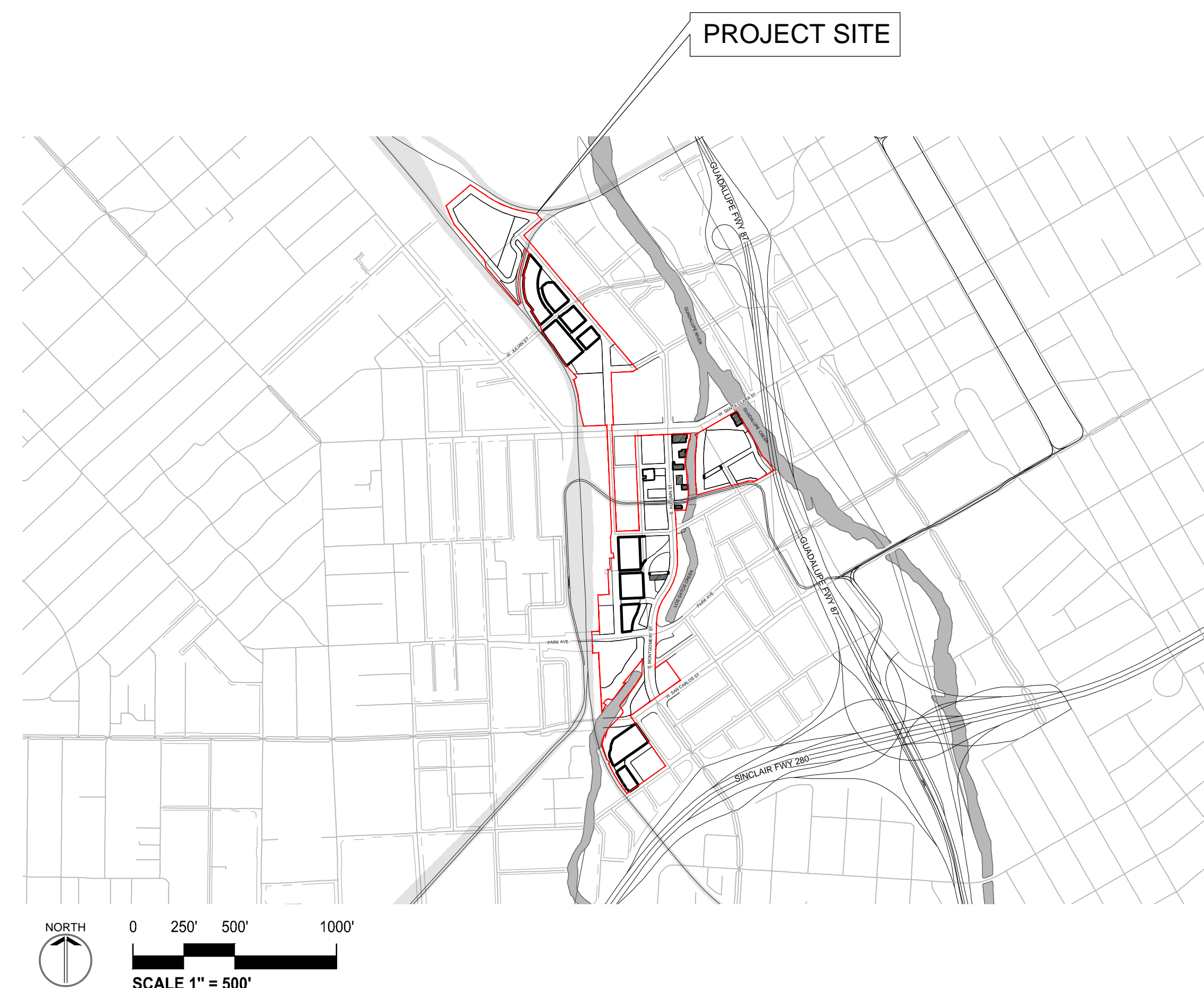
San Jose, California

GENERAL NOTES

1. THESE INFRASTRUCTURE PLAN SHEETS ARE CONCEPTUAL IN NATURE AND DESCRIBE ANTICIPATED FLOODPLAINS, GRADING DESIGN, UTILITY DESIGN, AND STORMWATER IMPROVEMENTS. FINAL PLANS WILL BE SUBMITTED AND EVALUATED AS PART OF 100% TRACT IMPROVEMENT PLANS.
2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON SURVEY PERFORMED BY HMM ENGINEERS UNDER THE DIRECTION OF TRACY GIORGETTI, LS FROM JANUARY 2020 TO JULY 2020. BASIS OF BEARINGS: THE CALCULATED BEARING OF SOUTH 02° 43' 35" WEST TAKEN BETWEEN THE RECORD POSITION OF GPS CONTROL POINT 2218 AND GPS CONTROL POINT 1049, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED FOR RECORD ON JUNE 21, 1996, IN BOOK 677 OF MAPS AT PAGE 54, OFFICIAL RECORDS OF SANTA CLARA COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON. BENCHMARK: SCVWD BM365 = 83.71', NORTH AMERICAN VERTICAL DATUM OF 1988, DATE ADJUSTED MARCH 14, 2017, VALLEY TRANSPORTATION AGENCY'S ALUMINUM DISK (VTA-225) ON TOP AND AT MID CONCRETE SIDEWALK; 3.1 FEET SOUTH FROM FACE OF CURB; 12 FEET WEST FROM THE SOUTHEAST CORNER OF NEW JULIAN STREET BRIDGE OVER GUADALUPE RIVER, BETWEEN HIGHWAY 87 AND AUTUMN STREET. CITY OF SAN JOSE. GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND CONDUCT FIELD INVESTIGATIONS TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
3. THIS TOPOGRAPHIC SURVEY IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. INFORMATION REGARDING EXISTING SURFACE OR SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS REFLECTS INCOMPLETE AVAILABLE INFORMATION AS OF THE DATE OF DESIGN. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK.
4. THE DESIGN SHOWN IN THESE DRAWINGS IS BASED UPON STANDARDS AS PROVIDED IN THE DOWNTOWN WEST IMPROVEMENT STANDARDS.

UNAUTHORIZED CHANGE AND USE

1. SHERWOOD DESIGN ENGINEERS, LTD. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE CIVIL DESIGN ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. ANY MODIFICATIONS TO THIS DOCUMENT, WITHOUT THE WRITTEN PERMISSION OF SHERWOOD DESIGN ENGINEERS, LTD., SHALL RENDER THE PLANS INVALID AND UNUSABLE.
3. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS OF ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF SHERWOOD DESIGN ENGINEERS, LTD., EXCEPT THAT ANY REGULATORY AUTHORITY MAY REPRODUCE AND TRANSMIT COPIES, AS REQUIRED, IN CONJUNCTION WITH PERFORMANCE OF OFFICIAL BUSINESS UNDER ITS JURISDICTION.



SHEET INDEX

NO.	DATE	DESCRIPTION
CO.0		COVER SHEET
C1.0		SITE PLAN
C1.1		FLOODPLAIN MAP
C2.0		GRADING PLAN KEYMAP
C2.1		GRADING PLAN
C2.2		GRADING PLAN
C2.3		GRADING PLAN
C2.4		GRADING PLAN
C2.5		GRADING PLAN
C2.6		GRADING PLAN
C2.7		GRADING PLAN
C3.0		STORMWATER CONTROL PLAN
C4.0		UTILITY PLAN KEYMAP
C4.1		UTILITY PLAN
C4.2		UTILITY PLAN
C4.3		UTILITY PLAN
C4.4		UTILITY PLAN
C4.5		UTILITY PLAN
C4.6		UTILITY PLAN
C4.7		UTILITY PLAN
C5.1		DETAILS
C5.2		SCVURPPP DETAILS
C5.3		CITY OF SAN JOSE DETAILS
C5.4		CITY OF SAN JOSE DETAILS

INFRASTRUCTURE PLANS
Interim Final Draft
DOWNTOWN WEST
San Jose, California

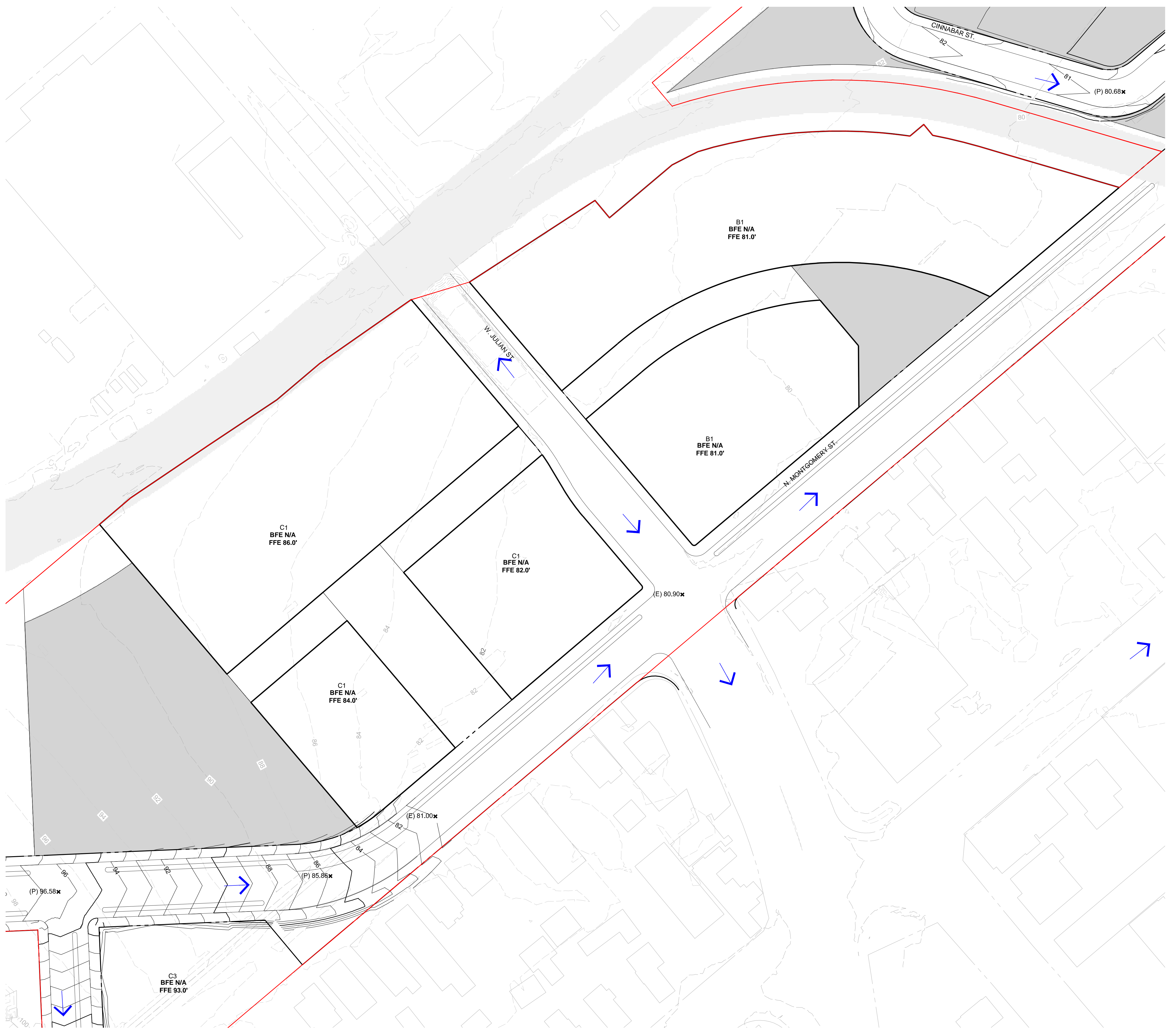
NO.	DATE	DESCRIPTION

PROJECT NO:	18-077
CAD DWG FILE:	C-01 COVER.DWG
DESIGNED BY:	AG
DRAWN BY:	CQ
CHECKED BY:	BB
DATE:	8 SEPTEMBER 2020
SCALE:	
SHERWOOD DESIGN ENGINEERS	

COVER SHEET

C0.0

P:\2018\18-077 DIRIDON_MP04_DESIGN\SHEETS\C2.0 GRAD.DWG



LEGEND

DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
MINOR CONTOUR	
MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
PROPOSED FLOOD ZONE A	
PROPOSED FLOOD ZONE X	
OPEN SPACE	
RAILWAY	
OVERLAND FLOW DIRECTION	
EXISTING BUILDING TO REMAIN	

- NOTES**
1. THE PROPOSED FLOOD ZONE AND BASE FLOOD ELEVATIONS (BFEs) ARE DEFINED BY THE CREEK MITIGATIONS AND MODIFICATIONS AS DESCRIBED IN THE DOWNTOWN WEST INFRASTRUCTURE PLAN.
 2. IN AREAS WITH A DEFINED BFE, THE FINISH FLOOD ELEVATIONS (FFE) REPRESENT THE MINIMUM ELEVATION ALLOWED. IN AREAS WITHOUT A DEFINED BFE, FINISH FLOOR ELEVATIONS (FFE) ARE APPROXIMATE. FFEs WILL BE FURTHER DETERMINED IN FUTURE DESIGN PHASES.
 3. NO CHANGES ARE PROPOSED TO EXISTING BUILDING FINISHES.

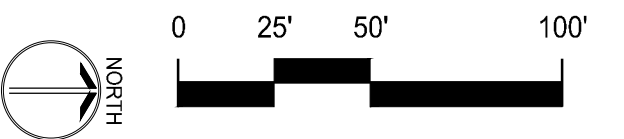


INFRASTRUCTURE PLANS
 Interim Final Draft
 DOWNTOWN WEST
 San Jose, California

NO	DATE	DESCRIPTION

PROJECT NO:	18-077
CAD DWG FILE:	C-2.0 GRAD.DWG
DESIGNED BY:	AG
DRAWN BY:	CQ
CHECKED BY:	BB
DATE:	8 SEPTEMBER 2020
SCALE:	
	SHERWOOD DESIGN ENGINEERS

CPRA Confidential Treatment Request,
 Not for Public Release - CPRA Exempt,
 Confidential and Proprietary Business /
 Siting Information, Pre-Decisional Draft -
 For Review Only



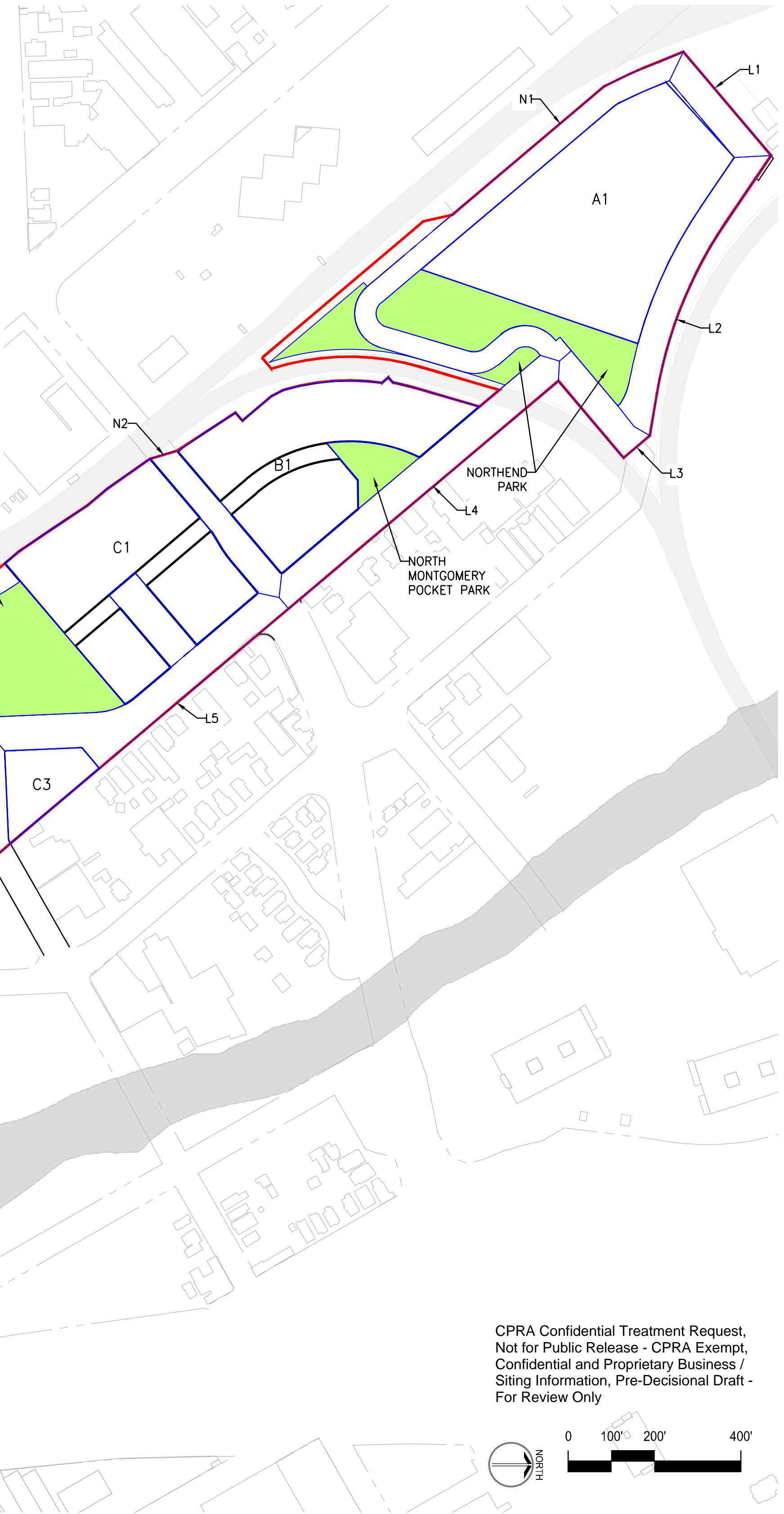
GRADING PLAN
C2.6

NOTES

- REFER TO ATTACHED STORMWATER EVALUATION FORM FOR ADDITIONAL INFORMATION.

LEGEND

DEVELOPMENT BOUNDARY	
DEVELOPMENT BLOCKS	
DMA BOUNDARY	
OPEN SPACE	
RAIL	
CREEK	



Streets			Parcels		
DMA ID	Area (sf)	% Impervious Treatment Area	ID	Area (sf)	% Impervious Treatment Area
L1	18,613	95%	A1	215,201	100%
L2	47,277	94%	B1	144,754	100%
L3	17,744	96%	C1	152,436	100%
L4	59,569	87%	C2	130,156	100%
L5	60,398	83%	D4	62,739	100%
L6	16,731	83%	D5	7,590	100%
L7	46,094	80%	40	12,595	100%
L8	17,204	76%	D6	15,753	100%
L9	31,257	72%			
L10	22,641	77%	D7	56,296	100%
L11	49,101	83%	D8	11,748	100%
L12	15,214	92%	D9	4,644	100%
L13	16,520	92%	D10	5,994	100%
L14	48,180	76%	D11	5,422	100%
L15	54,572	85%	D12	2,887	100%
L16	24,142	79%	D13	2,379	100%
L17	22,413	89%	374	8,599	100%
L18	17,659	78%	E1	132,336	100%
L19	21,031	84%	E2	28,472	100%
L20	72,502	87%	E3	64,159	100%
L21	17,361	89%	F1	35,730	100%
N1	73,144	100%	F2	34,624	100%
N2	26,042	100%	F3	14,434	100%
N3	17,944	100%	F4	28,614	100%
N4	12,241	100%	150	8,812	100%
N6	37,957	100%	F5	41,157	100%
N7	11,805	100%	F6	8,600	100%
N8	22,507	100%	F7	56,601	100%
N9	21,423	100%	F8	67,483	100%
N10	32,108	100%	G1	124,981	100%
Total	951,393	100%	H1	48,638	100%
			H2	30,347	100%
			H3	114,895	100%
			H4	61,019	100%
			Total	1,768,197	70,728

Open Space			Additional Development Area		
ID	Area (sf)	% Impervious Treatment Area	Area (sf)	% Impervious Treatment Area	Treatment Area (sf)
Los Gatos Creek Connector	44,065	40%	705		
Los Gatos Creek Park	108,888	60%	2,613		
The Meander (South)	19,952	90%	718		
The Meander (North)	75,701	90%	2,725		
Social Heart	34,666	60%	832		
Creekside Walk at Autumn Street	67,095	65%	1,744		
Los Gatos Creek East	64,482	90%	2,321		
Gateway to San Jose	33,228	95%	1,263		
St. John Triangle	70,132	70%	1,964		
North Montgomery Pocket Park	15,042	45%	271		
Northend Park	82,554	70%	2,312		
Total	615,805	17,468			

Summary		
Total Development Area	3,452,518 (sf)	
Total Development Area	79.26 (ac)	
Overall % Impervious	88%	
Total Treatment Area	126,587 (sf)	

COMPARISON OF IMPERVIOUS AND PERVIOUS AREAS AT PROJECT SITE:						
2.d. IMPERVIOUS AREAS - IA						
	Pre-Project Existing IA (sq. ft.)	Existing IA Retained As-Is ¹ (sq. ft.)	Existing IA Replaced with IA ² (sq. ft.)	New IA Created ² (sq. ft.)	Total Post Project IA (sq. ft.)	
Site Totals						
Total IA	d.1 2,539,289	d.2 0	d.3 2,398,730	d.4 0	d.5 (d.2+d.3+d.4) 2,398,730	
Total New and Replaced IA			d.6 (d.3+d.4) 2,398,730			
Public Street Totals						
Total Public Streets IA ³	d.8 806,788	d.9 0	d.10 698,049	d.11 0	d.12 (d.9+d.10+d.11) 698,049	
Total New and Replaced Public Streets IA			d.13 (d.10+d.11) 698,049			
Total Site and Public Streets IA	d.14 (d.1+d.8) 3,346,077				d.15 (d.5+d.12) 3,096,779	
Percent Replacement of IA in Redevelopment Projects (d.3+d.1) x 100:					d.16 94.5 %	
2.e. PERVIOUS AREAS - PA						
	Pre-Project Existing PA (sq. ft.)				Total Post Project PA (sq. ft.)	
Total PA ⁴	e.1 106,441				e.2 355,739	
2.f. Total Area (IA + PA)	f.1 (d.14 + e.1) 3,452,518 ¹				f.2 (d.15 + e.2) 3,452,518 ²	

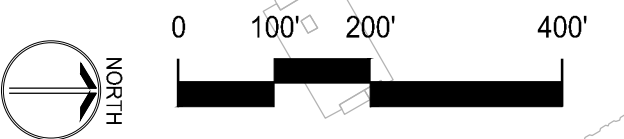
INFRASTRUCTURE PLANS
Interim Final Draft
DOWNTOWN WEST
San Jose, California

NO.	DATE	DESCRIPTION
PROJECT NO.		
CAD DWG FILE:	C-3.1 SWMP.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	8 SEPTEMBER 2020	
SCALE:		
© SHERWOOD DESIGN ENGINEERS		

STORMWATER CONTROL PLAN

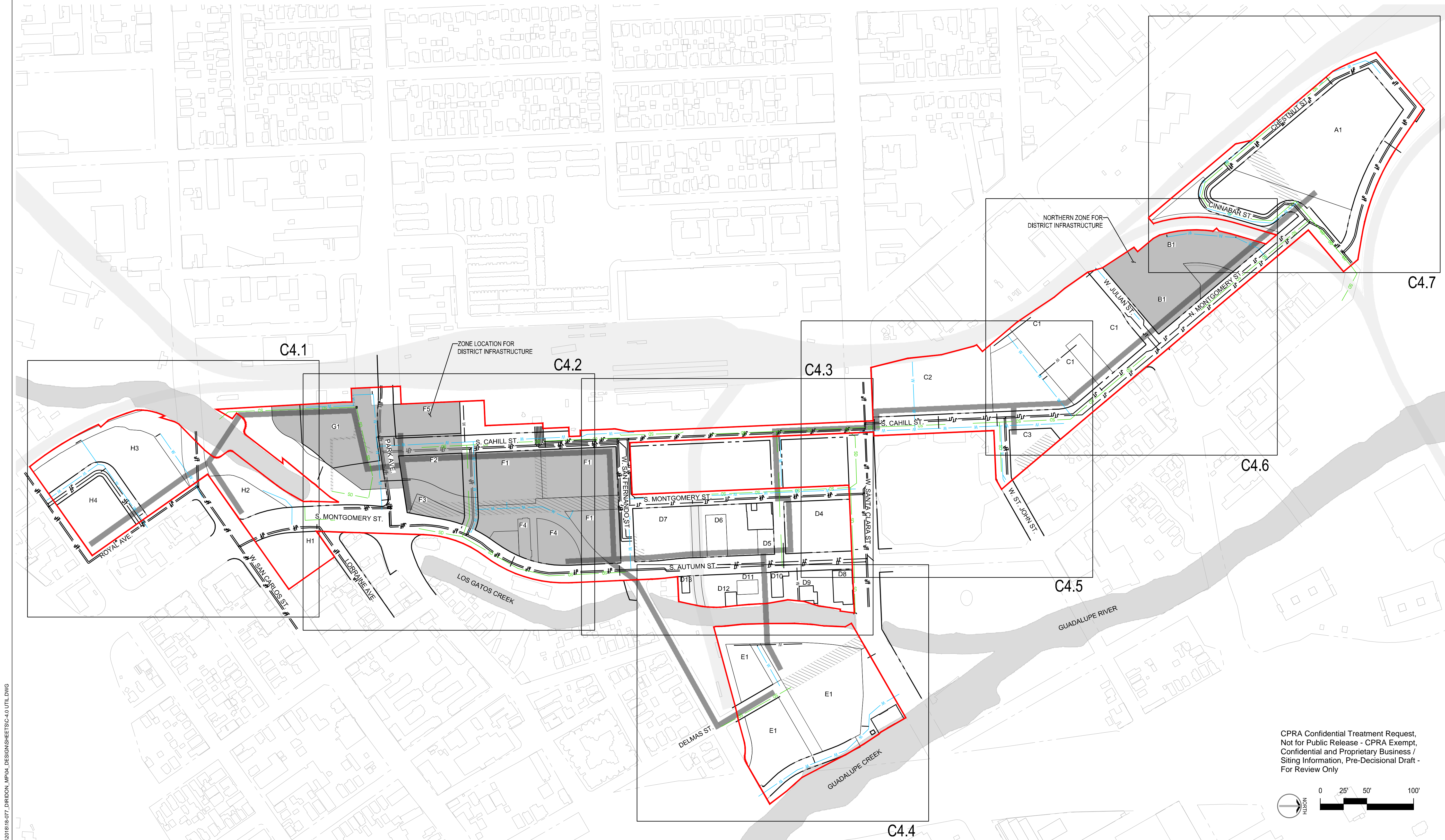
C3.0

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft -
For Review Only



LEGEND

DEVELOPMENT BOUNDARY		STORM DRAIN LINE	
RIGHT OF WAY		WATER LINE	
FACE OF CURB		FIRE HYDRANT	
GAS LINE		DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	
ELECTRIC LINE		DISTRICT INFRASTRUCTURE ZONES	
JOINT TRENCH		PROPOSED UTILIDOR	
SANITARY SEWER LINE		RAILWAY	



INFRASTRUCTURE PLANS
 Interim Final Draft
DOWNTOWN WEST
 San Jose, California

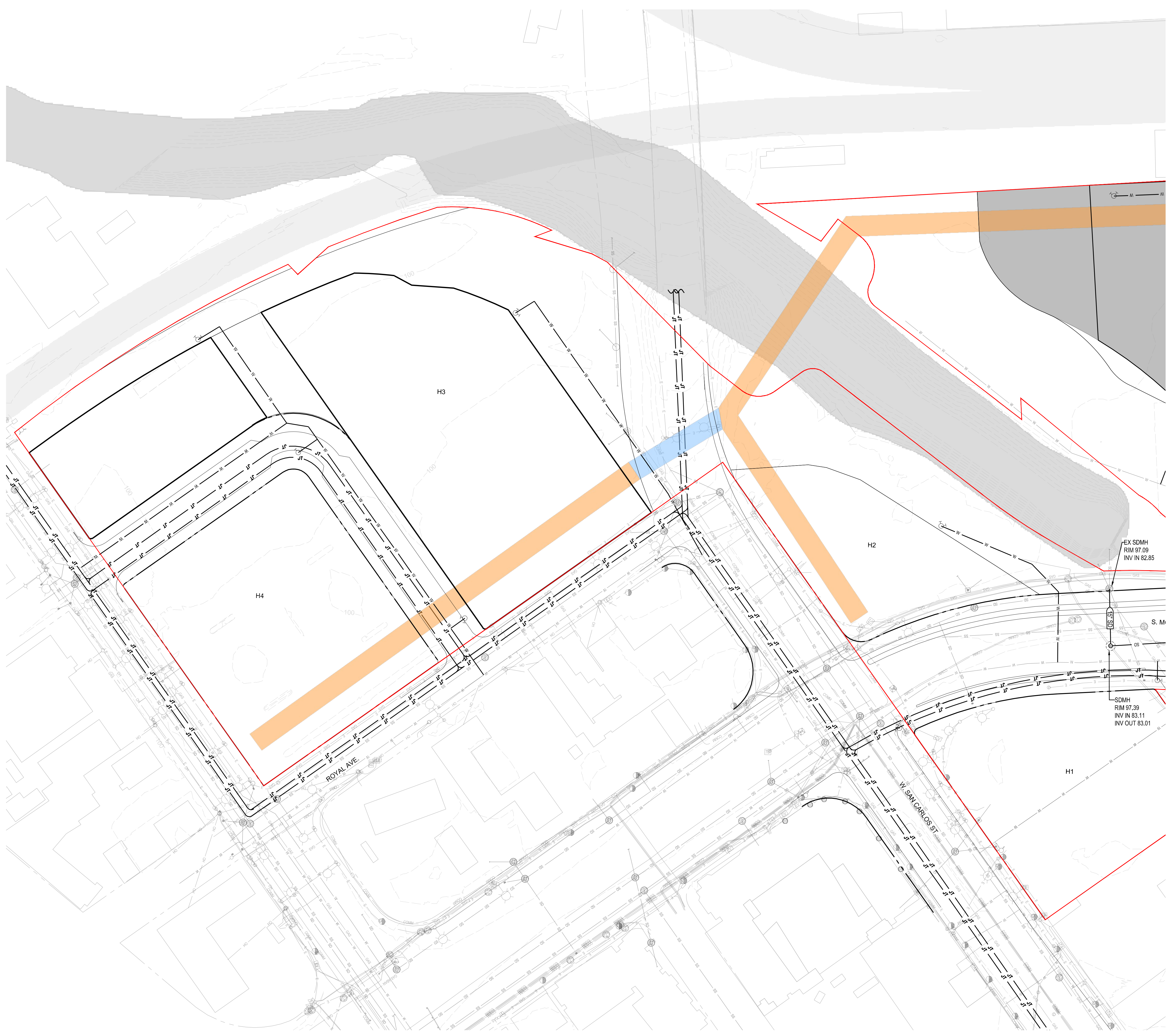
NO.	DATE	DESCRIPTION

UTILITY PLAN
 KEYMAP

C4.0

CPRA Confidential Treatment Request,
 Not for Public Release - CPRA Exempt,
 Confidential and Proprietary Business /
 Siting Information, Pre-Decisional Draft -
 For Review Only

P:\2018\18-077_DIRIDON_MP04_DESIGNSHEETS\C-0 UTIL.DWG



LEGEND

DEVELOPMENT BOUNDARY	
(E) MINOR CONTOUR	
(E) MAJOR CONTOUR	
RIGHT OF WAY	
(E) FACE OF CURB	
FACE OF CURB	
DEMO UTILITY LINE	
(E) COMMUNICATIONS LINE	
(E) ELECTRIC LINE	
(E) GAS LINE	
(E) OVERHEAD LINE	
(E) SANITARY SEWER LINE	
(E) STORM DRAIN LINE	
(E) WATER LINE	
GAS LINE	
ELECTRIC LINE	
JOINT TRENCH	
SANITARY SEWER LINE	
STORM DRAIN LINE	
WATER LINE	
(E) FIRE HYDRANT	
(E) ELECTRICAL POLE	
(E) ELECTRICAL PULL BOX	
(E) UTILITY POLE	
(E) SANITARY SEWER CLEANOUT	
(E) SANITARY SEWER MANHOLE	
(E) STORM DRAIN CLEAN OUT	
(E) STORM DRAIN MANHOLE	
(E) WATER METER	
(E) WATER VALVE	
FIRE HYDRANT	
SANITARY SEWER MANHOLE	
STORM DRAIN CLEANOUT	
STORM DRAIN MANHOLE	
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	
DISTRICT INFRASTRUCTURE ZONES	
PROPOSED UTILIDOR	
PROPOSED UTILIDOR WITHIN PUBLIC ROW, SEE MAJOR ENCROACHMENT PERMIT	
RAILWAY	

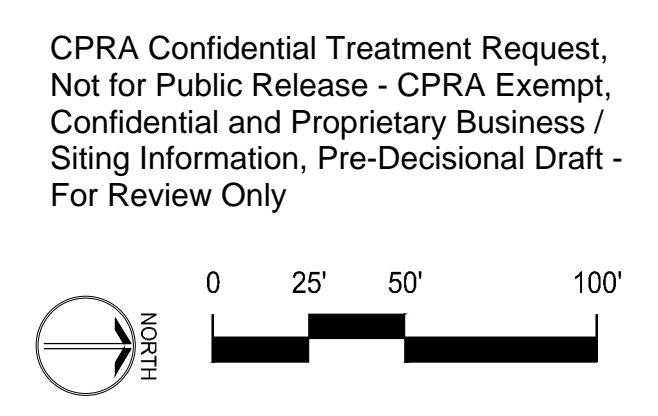
EX SDMH
RIM 97.09
INV IN 82.85

S.M.

SDMH
RIM 97.39
INV IN 83.11
INV OUT 83.01

INFRASTRUCTURE PLANS
Interim Final Draft
DOWNTOWN WEST
San Jose, California

NO.	DATE	DESCRIPTION
PROJECT NO.	18-077	
CAD DWG FILE:	C-4.0 UTIL.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	8 SEPTEMBER 2020	
SCALE:		
© SHERWOOD DESIGN ENGINEERS		



P:\2018\18-077 DIRDON.MP\4 DESIGNSHEETS\C-4 UTIL.DWG



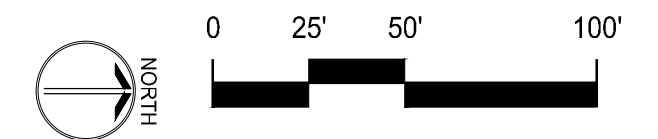
LEGEND

DEVELOPMENT BOUNDARY	---
(E) MINOR CONTOUR	- - - - -
(E) MAJOR CONTOUR	— · — · — · — · —
RIGHT OF WAY	———
(E) FACE OF CURB	———
FACE OF CURB	———
DEMO UTILITY LINE	— · — · — · — · —
(E) COMMUNICATIONS LINE	— COHM — COHM —
(E) ELECTRIC LINE	— E — E — E —
(E) GAS LINE	— GAS — GAS —
(E) OVERHEAD LINE	— OH — OH —
(E) SANITARY SEWER LINE	— SS — SS —
(E) STORM DRAIN LINE	— SD — SD —
(E) WATER LINE	— W — W — W —
GAS LINE	— GAS — GAS —
ELECTRIC LINE	— E — E — E —
JOINT TRENCH	— JT — JT —
SANITARY SEWER LINE	— SS — SS —
STORM DRAIN LINE	— SD — SD —
WATER LINE	— W — W — W —
(E) FIRE HYDRANT	○
(E) ELECTRICAL POLE	⊗
(E) ELECTRICAL PULL BOX	□
(E) UTILITY POLE	◇
(E) SANITARY SEWER CLEANOUT	○
(E) SANITARY SEWER MANHOLE	⊙
(E) STORM DRAIN CLEAN OUT	○
(E) STORM DRAIN MANHOLE	⊙
(E) WATER METER	⊗
(E) WATER VALVE	⊗
FIRE HYDRANT	○
SANITARY SEWER MANHOLE	⊙
STORM DRAIN CLEANOUT	SDCO ●
STORM DRAIN MANHOLE	⊙
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	▨
DISTRICT INFRASTRUCTURE ZONES	▨
PROPOSED UTILIDOR	▨
PROPOSED UTILIDOR WITHIN PUBLIC ROW. SEE MAJOR ENCROACHMENT PERMIT	▨
RAILWAY	▨

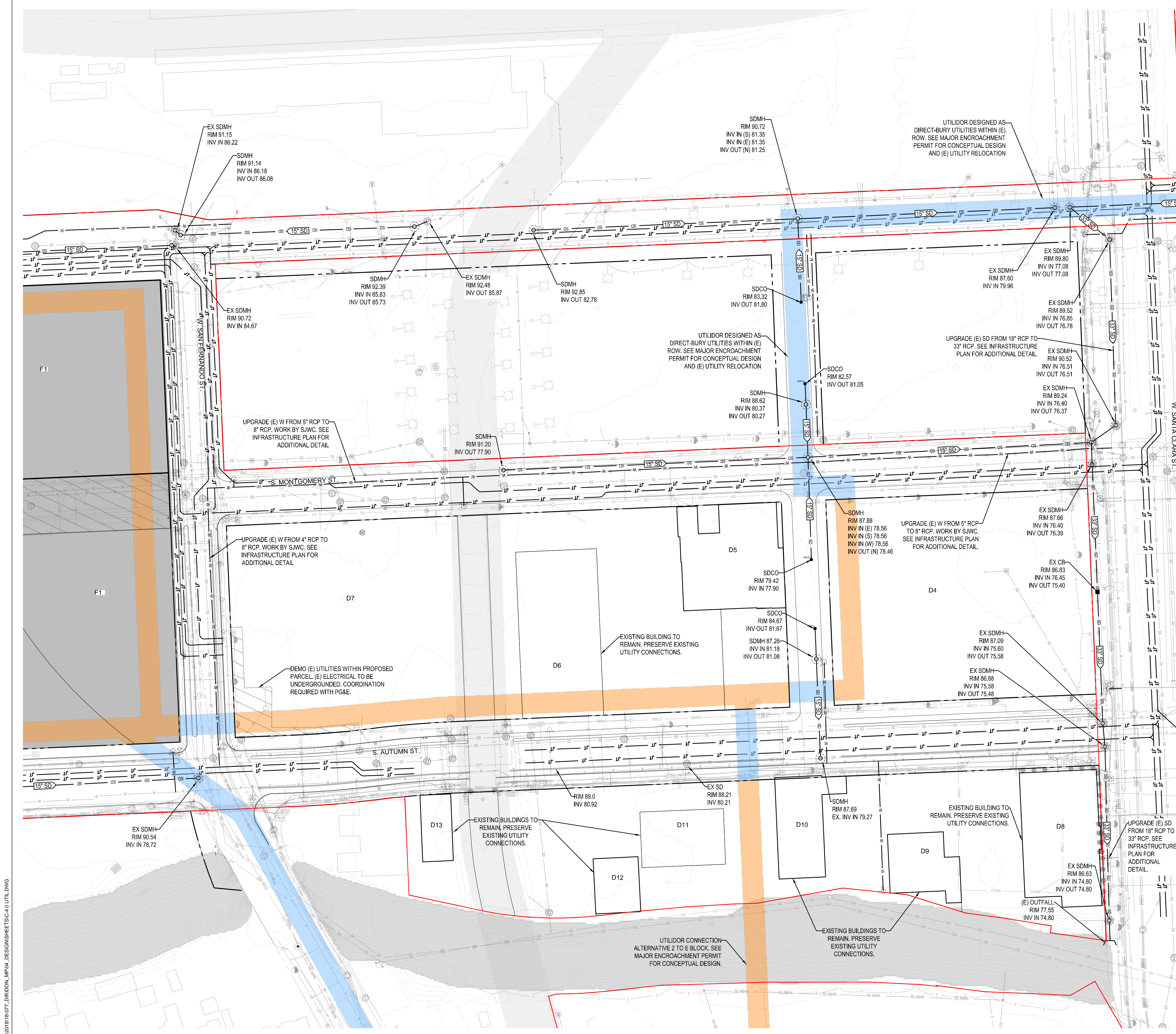
INFRASTRUCTURE PLANS
Interim Final Draft
DOWNTOWN WEST
San Jose, California

NO.	DATE	DESCRIPTION
1	18-077	PROJECT NO.
2	C-4.0 UTIL.DWG	CAD DWG FILE:
3	AG	DESIGNED BY:
4	CQ	DRAWN BY:
5	BB	CHECKED BY:
6	8 SEPTEMBER 2020	DATE:
7		SCALE:
© SHERWOOD DESIGN ENGINEERS		

CPRA Confidential Treatment Request, Not for Public Release - CPRA Exempt, Confidential and Proprietary Business / Siting Information, Pre-Decisional Draft - For Review Only



UTILITY PLAN
C4.2



LEGEND	
DEVELOPMENT BOUNDARY	— (Red line)
(E) MINOR CONTOUR	- - - - (Black line)
(E) MAJOR CONTOUR	- - - - (Red line)
RIGHT OF WAY	- - - - (Black line)
(E) FACE OF CURB	— (Black line)
FACE OF CURB	— (Black line)
DEMO UTILITY LINE	- - - - (Black line)
(E) COMMUNICATIONS LINE	— (Black line)
(E) ELECTRIC LINE	— (Black line)
(E) GAS LINE	— (Black line)
(E) OVERHEAD LINE	— (Black line)
(E) SANITARY SEWER LINE	— (Black line)
(E) STORM DRAIN LINE	— (Black line)
(E) WATER LINE	— (Black line)
GAS LINE	— (Black line)
ELECTRIC LINE	— (Black line)
JOINT TRENCH	— (Black line)
SANITARY SEWER LINE	— (Black line)
STORM DRAIN LINE	— (Black line)
WATER LINE	— (Black line)
(E) FIRE HYDRANT	⊙ (Circle with cross)
(E) ELECTRICAL POLE	⊙ (Circle with cross)
(E) ELECTRICAL PULL BOX	□ (Square)
(E) UTILITY POLE	⊙ (Circle with cross)
(E) SANITARY SEWER CLEANOUT	⊙ (Circle with cross)
(E) SANITARY SEWER MANHOLE	⊙ (Circle with cross)
(E) STORM DRAIN CLEAN OUT	⊙ (Circle with cross)
(E) STORM DRAIN MANHOLE	⊙ (Circle with cross)
(E) WATER METER	⊙ (Circle with cross)
(E) WATER VALVE	⊙ (Circle with cross)
FIRE HYDRANT	⊙ (Circle with cross)
SANITARY SEWER MANHOLE	⊙ (Circle with cross)
STORM DRAIN CLEANOUT	⊙ (Circle with cross)
STORM DRAIN MANHOLE	⊙ (Circle with cross)
DEMO ALL (E) UTILITIES IN STREET TO BE VACATED	— (Red line)
DISTRICT INFRASTRUCTURE ZONES	— (Shaded areas)
PROPOSED UTILIDOR	— (Orange shaded area)
PROPOSED UTILIDOR WITHIN PUBLIC ROW, SEE MAJOR ENCROACHMENT PERMIT	— (Blue shaded area)
RAILWAY	— (Black line)

INFRASTRUCTURE PLANS

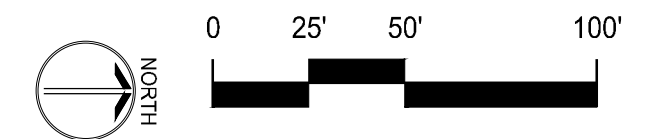
Interim Final Draft

DOWNTOWN WEST

San Jose, California

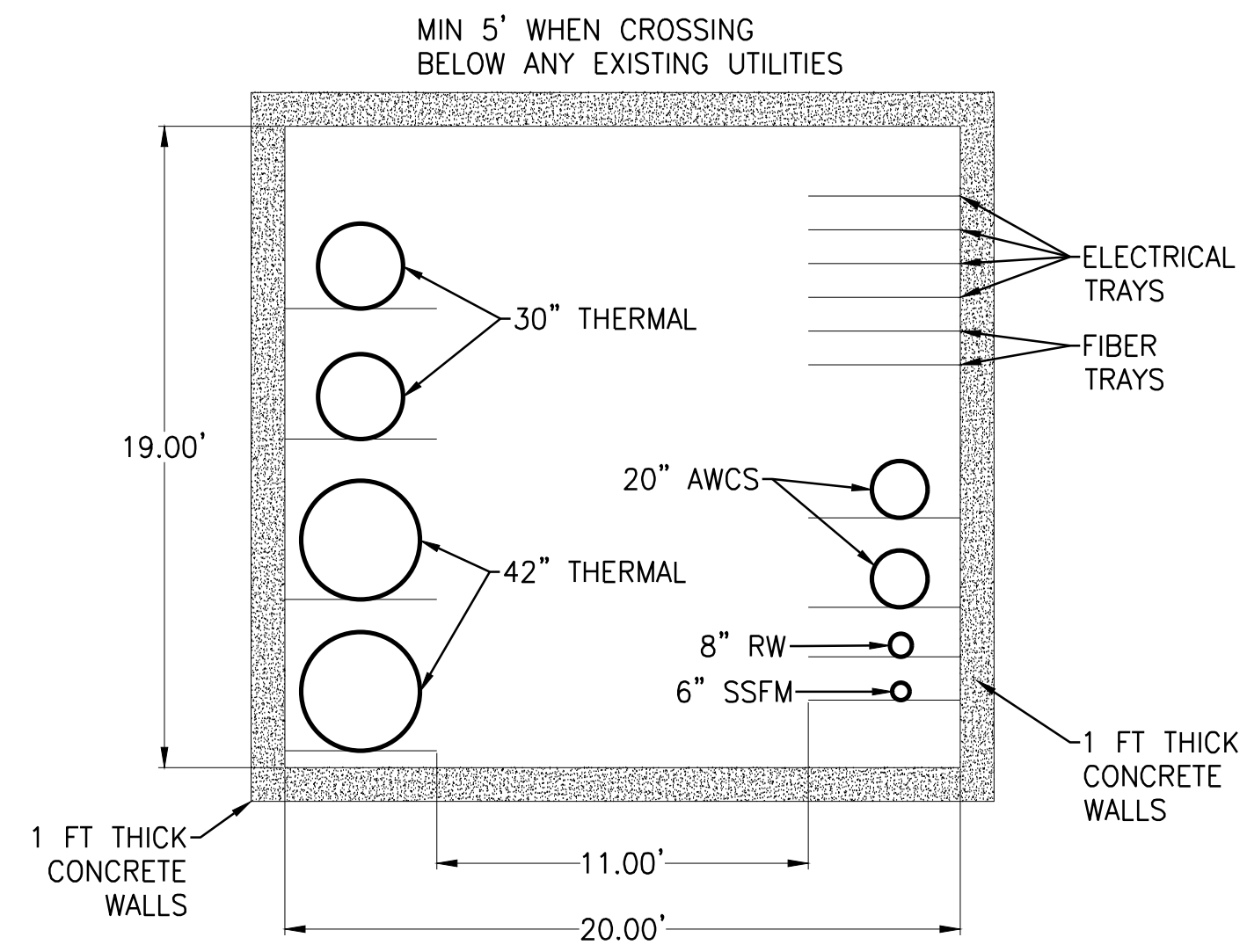
NO.	DATE	DESCRIPTION
PROJECT NO:	18-077	
CAD DWG FILE:	C-4.0 UTIL.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	8 SEPTEMBER 2020	
SCALE:		
© SHERWOOD DESIGN ENGINEERS		

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft -
For Review Only



UTILITY PLAN

C4.3



1 CONCEPTUAL UTILIDOR TUNNEL SECTION
 SCALE: NTS

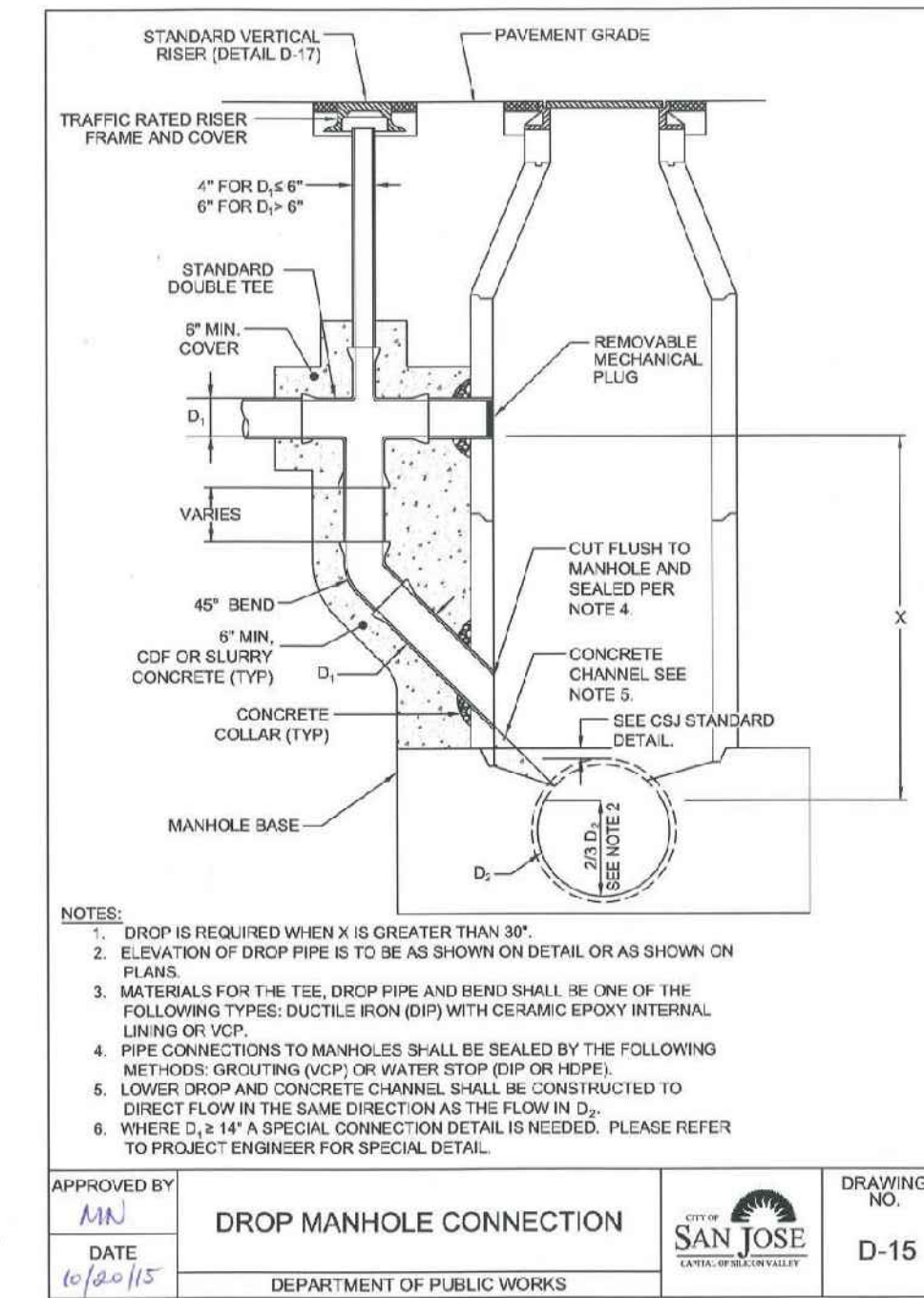
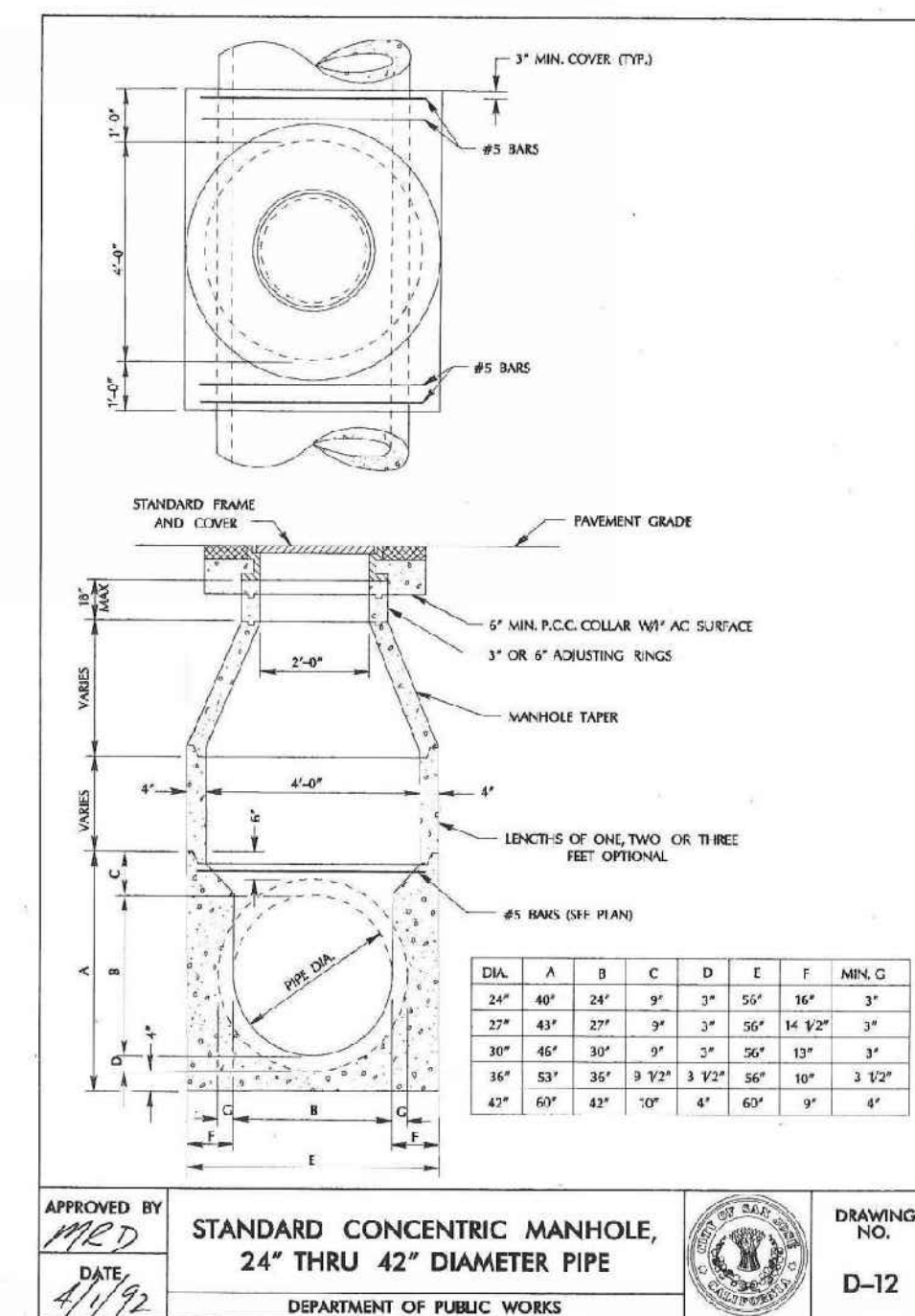
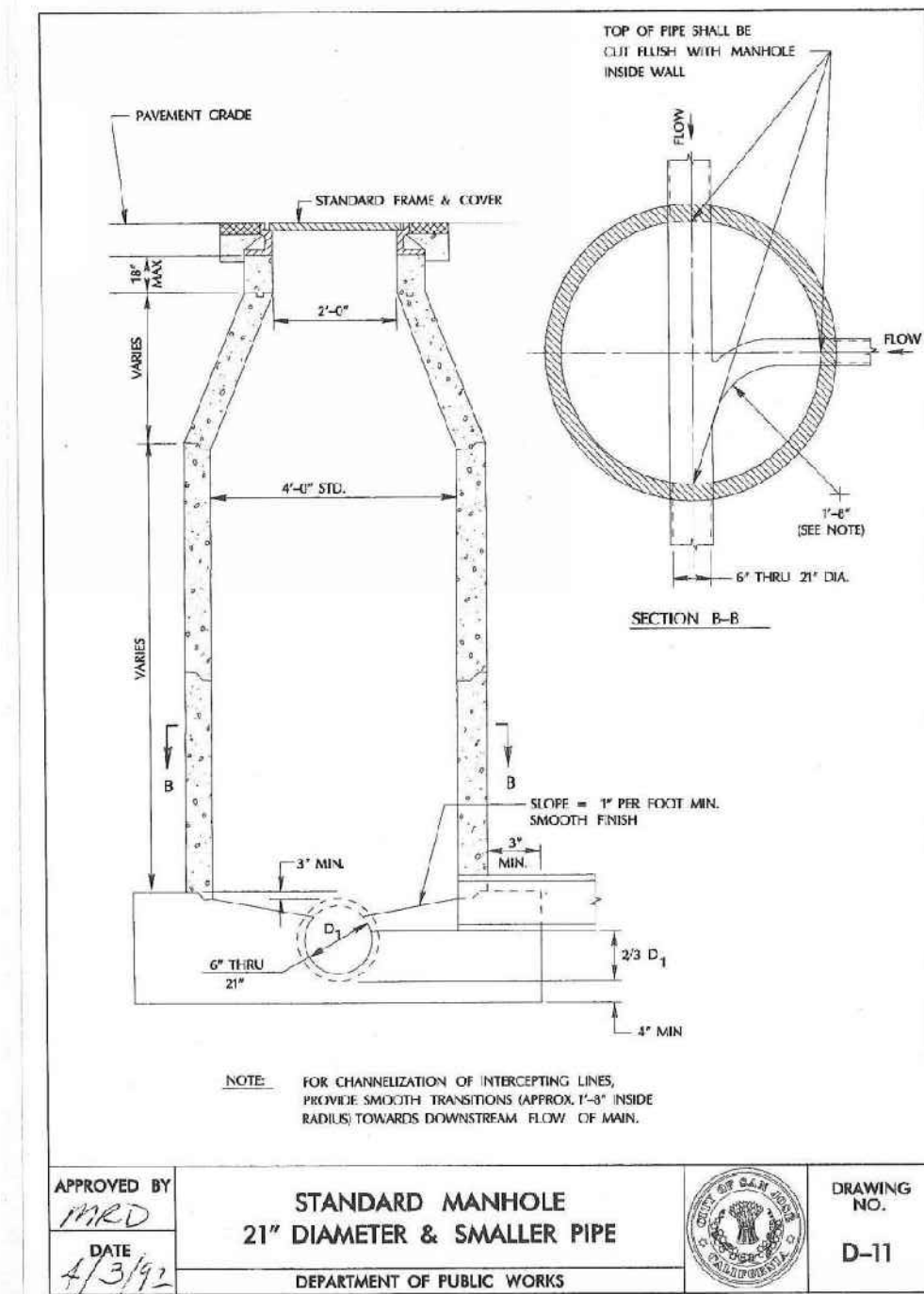
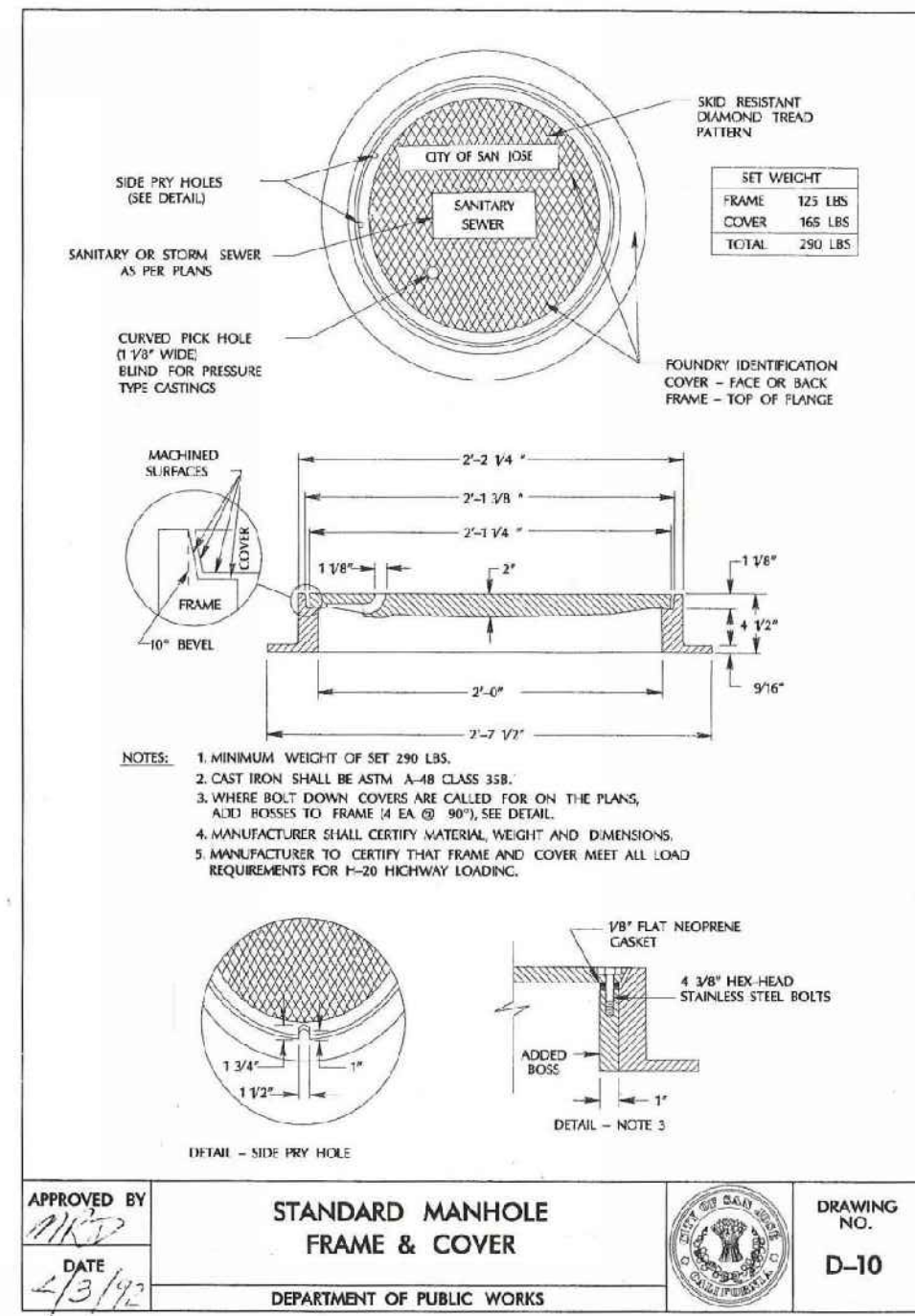
INFRASTRUCTURE PLANS
 Interim Final Draft
DOWNTOWN WEST
 San Jose, California

NO	DATE	DESCRIPTION
PROJECT NO:		
CAD DWG FILE: C-5.0 DETAILS.DWG		
DESIGNED BY: AG		
DRAWN BY: CQ		
CHECKED BY: BB		
DATE: 8 SEPTEMBER 2020		
SCALE:		
© SHERWOOD DESIGN ENGINEERS		

DETAILS

C5.1

CPRA Confidential Treatment Request,
 Not for Public Release - CPRA Exempt,
 Confidential and Proprietary Business /
 Siting Information, Pre-Decisional Draft -
 For Review Only



INFRASTRUCTURE PLANS
Interim Final Draft
DOWNTOWN WEST
San Jose, California

NO.	DATE	DESCRIPTION
PROJECT NO.	18-077	
CAD DWG FILE:	C-5.0 DETAILS.DWG	
DESIGNED BY:	AG	
DRAWN BY:	CQ	
CHECKED BY:	BB	
DATE:	8 SEPTEMBER 2020	
SCALE:	2020	
SHERWOOD DESIGN ENGINEERS		

CITY OF SAN JOSE DETAILS

C5.4

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft -
For Review Only

CONCEPTUAL Stormwater Evaluation Form Interim Final Draft

FILE #

INSTRUCTIONS: At minimum, complete Sections 1.a and 2.d of this form and submit it with all Planning Permit applications.

If you answer “yes” to one or both questions below, your project must comply with Provision C.3 of the Municipal Regional Stormwater Permit (MRP) and you must complete the entire form:

- Does your project create or replace 10,000 sq. ft. or more of impervious surface on the project site?
- Does your project involve a restaurant, auto service facility, retail gasoline outlet, uncovered parking lot, or top uncovered portion of a parking structure that creates or replaces 5,000 sq. ft. or more of impervious surface on a project site?

What is an impervious surface? An impervious surface is pavement or other surface covering that prevents land from absorbing and infiltrating rainfall and stormwater. Impervious surfaces include driveways, walkways, parking lots, rooftops and any other continuous watertight covering. Pervious pavement underlain with pervious soil or material, e.g., drain rock, that infiltrates rainfall at a rate equal to or greater than surrounding unpaved areas OR that stores and infiltrates the water quality design volume specified in Provision C.3.d of the MRP, is not considered an impervious surface.

For more information and definitions, see the [Stormwater Management](http://www.sanjoseca.gov/planning) web page at www.sanjoseca.gov/planning.

1. USES AND LOCATION

1.a. Are any of these uses included in your project?

Check all that apply.

- Restaurant
- Retail Fuel Outlet
- Uncovered Parking
- Auto Service, as categorized by the Standard Industrial Classification (SIC) Codes 5013-5014, 5541, 7532-7534, 7536-7539. Determine your SIC Codes at www.osha.gov. List the applicable SIC Code/s: _____

1.b. Check the watershed in which your project is located.

See the [Watershed Maps](http://www.sanjoseca.gov/index.aspx?nid=1868) web page at www.sanjoseca.gov/index.aspx?nid=1868

- Baylands
- Calabazas
- Coyote (including Lower Penitencia)
- Guadalupe
- San Tomas

1.c. Special Project Status

Use the online [Special Project Worksheet](http://www.sanjoseca.gov/index.aspx?NID=1761) at www.sanjoseca.gov/index.aspx?NID=1761 to determine if your project qualifies as a Special Project. Does your project qualify?

- Yes **Attach the Special Project Worksheet and Narrative to this application.**
- No

Note: See the [Special Projects Worksheet](http://www.sanjoseca.gov/index.aspx?NID=1761) for requirements.

continued>

CPRA Confidential Treatment Request, Not for Public Release - CPRA Exempt, Confidential and Proprietary Business / Siting Information, Pre-Decisional Draft - For Review Only

2. AREA DATA

2.a. Enter the Project Phase Number (1, 2, 3, etc. or N/A if Not Applicable):	N/A	
2.b. Total area of site:	79.26	acres
2.c. Total area of site that will be disturbed:	79.26	acres

COMPARISON OF IMPERVIOUS AND PERVIOUS AREAS AT PROJECT SITE:					
2.d. IMPERVIOUS AREAS - IA	Pre-Project Existing IA (sq. ft.)	Existing IA Retained As-Is¹ (sq. ft.)	Existing IA Replaced with IA² (sq. ft.)	New IA Created² (sq. ft.)	Total Post Project IA (sq. ft.)
Site Totals					
Total IA	d.1. 2,539,289	d.2. 0	d.3. 2,398,730	d.4. 0	d.5. (d.2+d.3+d.4) 2,398,730
Total New and Replaced IA			d.6 (d.3+d.4) 2,398,730		
Public Street Totals					
Total Public Streets IA ³	d.8 806,788	d.9 0	d.10 698,049	d.11 0	d.12 (d.9+d.10+d.11) 698,049
Total New and Replaced Public Streets IA			d.13 (d.10+d.11) 698,049		
Total Site and Public Streets IA	d.14 (d.1+d.8) 3,346,077				d.15 (d.5+d.12) 3,096,779
Percent Replacement of IA in Redevelopment Projects (d.3÷d.1) x 100:					d.16 94.5 %

2.e. PERVIOUS AREAS - PA	Pre-Project Existing PA (sq. ft.)	Total Post Project PA (sq. ft.)
Total PA ⁴	e.1. 106,441	e.2 355,739
2.f. Total Area (IA + PA)	f.1. (d.14 + e.1) 3,452,518	f.2. (d.15 + e.2) 3,452,518

FOOTNOTES

1. "Retained" in box 2.d.2 means to leave existing IA in place. An IA that goes through maintenance (e.g., pavement resurfacing/slurry seal/grind), but no change in grade is considered "retained."
2. The "replaced" and "new" IA in boxes 2.d.3. and 2.d. 4 are based on the total area of the site and not specific locations on site. For example, impervious parking created over a pervious area is not "new" IA if an equal amount of pervious area replaces IA somewhere else on the site. Constructed IA on a site that does not exceed the Total Pre-Project IA in box 2.d.1. will be considered "replaced" IA. **A site will have "new" IA only if the Total Post-Project IA in box 2.d.5. exceeds the Total Pre-Project IA (2.d.5 - 2.d.1 = 2.d.4).**
3. These areas are locations of the public street that are being dedicated (sidewalk or street easement) to the City of San José.
4. Include bioretention areas, infiltration areas, green roofs, and pervious pavement in PA calculations.

3. APPLICABILITY OF PROVISION C.3

3.a. Is 2.c. equal to 1 acre or more?
 Yes. Applicant must obtain coverage under the [State Construction General Permit](#).
 No. Applicant does not need coverage under the State Construction General Permit.

3.b. Is box 2.d.6 equal to 10,000 sq. ft. or more for any type of project, or 5,000 sq. ft. or more for restaurants, auto service facilities, retail gas outlets, and uncovered parking?
 Yes. Site Design, Source Control, and Treatment System requirements will all apply to the project area.
 No. Site Design and Source Control requirements may apply; check with local agency.

3.c. Is box 2.d.16 equal to or greater than 50%?
 Yes. Site Design, Source Control, and Treatment System requirements all apply to the entire site.
 No. Site Design, Source Control, and Treatment System requirements only apply to the area of site that is disturbed.

continued>

3.d. Indicate the Provision C.3 measures to be applied to your project. Check all that apply:

SITE DESIGN MEASURES	SOURCE CONTROL MEASURES	TREATMENT SYSTEMS
<p>PROTECTION MEASURES</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Protect existing trees, vegetation, and soil. <input checked="" type="checkbox"/> Protect riparian and wetland areas/buffers (Riparian setback. _____ft.)¹ <input type="checkbox"/> Preserve open space and natural drainage patterns: _____ sq. ft. <input type="checkbox"/> Rainwater harvesting and use (e.g., rain barrel, cistern connected to roof drains)² <p>LANDSCAPE DESIGN MEASURES</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Direct runoff from roofs, sidewalks, patios to landscaped areas. <input checked="" type="checkbox"/> Plant trees adjacent to and in parking areas and adjacent to other impervious areas. <p>DESIGN MEASURES TO MINIMIZE IMPERVIOUS SURFACE AREA</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Reduce existing impervious surfaces. <input checked="" type="checkbox"/> Cluster structures/pavement. <input type="checkbox"/> Create new pervious areas: <ul style="list-style-type: none"> <input checked="" type="radio"/> Landscaping <input type="radio"/> Parking stalls <input checked="" type="radio"/> Walkways and patios <input type="radio"/> Emergency vehicle access <input type="radio"/> Private streets and sidewalks <input checked="" type="checkbox"/> Install a Green Roof on all or a portion of the roof. <input checked="" type="checkbox"/> Parking: <ul style="list-style-type: none"> <input checked="" type="radio"/> On top of or under buildings <input checked="" type="radio"/> Not provided in excess of Code <input type="checkbox"/> Other: _____ _____ _____ 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Beneficial landscaping⁴ <input checked="" type="checkbox"/> Use water efficient irrigation systems. <input checked="" type="checkbox"/> Good housekeeping, e.g., sweep pavement and clean catch basin. <input checked="" type="checkbox"/> Label storm drains. <input checked="" type="checkbox"/> Connect to the sanitary sewer:³ <ul style="list-style-type: none"> <input checked="" type="radio"/> Covered trash/recycling enclosures <input checked="" type="radio"/> Interior parking structures <input type="radio"/> Wash area/racks <input type="radio"/> Pools, spas, fountains <input checked="" type="radio"/> Covered loading docks and maintenance bays <input checked="" type="radio"/> Pumped groundwater <input type="checkbox"/> Fueling areas must (all required): <ul style="list-style-type: none"> - Be graded to prevent ponding. - Use a concrete surface. - Be separated from the site by a grade break to prevent run-on. - Have a canopy cover extending at least 10 feet from each pump. <input type="checkbox"/> Industrial, outdoor material storage, and recycling facilities must (all required): <ul style="list-style-type: none"> - Stockpile material on an impervious surface or under a permanent roof or covering. - Direct ponded water to the sanitary sewer,² an on-site treatment system, or off-site disposal. - Install berms or curbs to prevent runoff from the storage/processing areas. - Segregate pollutant-generating activities into a distinct drainage management area and provide treatment. <input type="checkbox"/> Other: _____ _____ _____ 	<p>NONE</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Impervious surfaces drain to one or more self-retaining areas that are sized per the design criteria listed in the C.3 Stormwater Handbook. <p>LID TREATMENT</p> <ul style="list-style-type: none"> <input type="checkbox"/> Rainwater harvest and use (e.g., cistern or rain barrel sized for C.3.d treatment) <input type="checkbox"/> Infiltration well/dry well <input type="checkbox"/> Infiltration trench <input type="checkbox"/> Subsurface Infiltration System (e.g. vault or large diameter pipe over drain rock) <p>BIOTREATMENT</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Bioretention area <input checked="" type="checkbox"/> Flow-through planter <input type="checkbox"/> Tree well filter or trench with bioretention soils⁵ <input type="checkbox"/> Other: _____ _____ <p>OTHER TREATMENT METHODS</p> <p>SPECIAL PROJECTS ONLY⁶</p> <ul style="list-style-type: none"> <input type="checkbox"/> Proprietary tree box filter <input type="checkbox"/> Media filter (sand, compost, or proprietary media) <p>MULTI-STEP PROCESS ONLY⁷</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filter strip <input type="checkbox"/> Extended Detention Basin <input type="checkbox"/> Vegetated Swale

FOOTNOTES

1. Per Council Policy 6-34, setback is measured from the outside dripline of the Riparian Corridor vegetation or top-of-bank, whichever is greater.
2. As a site design measure, it does not have to be sized to comply with Provision C.3.d treatment requirements.
3. Subject to the requirements of the sanitary sewer authority.
4. Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, and minimizes the use of pesticides and fertilizers.
5. Bioretention soils shall infiltrate runoff at a minimum of 5 inches per hour during the life of the facility and sustain healthy, vigorous plant growth.
6. These treatment measures are only allowed if the project qualifies as a Special Project.
7. These treatment measures are only allowed as part of a multi-step treatment process (i.e. pretreatment).

continued>

4. TREATMENT SYSTEM SIZING FOR PROJECTS WITH TREATMENT REQUIREMENTS

For each treatment system component, indicate the hydraulic sizing criteria used and provide the calculated design flow or volume to be treated:

Treatment System Component	Hydraulic Sizing Criteria <i>Enter numbers from Table below</i>	Design Flow or Volume cfs or cu.ft.
Bioretention	2c - Simplified Method	

CODING TABLE FOR HYDRAULIC SIZING CRITERIA

Enter the appropriate number in the above column

1a: Volume – WEF Method 1b: Volume – CASQA BMP Handbook Method	2a: Flow – Factored Flood Flow Method 2b: Flow – CASQA BMP Handbook Method 2c: Flow – Uniform Intensity Method	3: Combination Flow and Volume Design Basis
---	--	---

5. HYDROMODIFICATION MANAGEMENT (HM) APPLICABILITY

5.a. Does the project create and/or replace one acre or more of impervious surface AND create an increase in total impervious surface from the pre-project condition (from page 2, is 2d.5 > 2d.1 AND 2d.6 is ≥ one acre)?

- Yes. Continue to Question 5.b.
 No. Project is exempt from Hydromodification Management.

5.b. Is the project located in the green “Subwatersheds less than 65% Impervious” area on the [HM Applicability Map](#)?

- Yes. Project must implement HM requirements. Continue to Question 5.c.
 No. Project is exempt from Hydromodification Management.

5.c. If Yes to 5.b, select the specific flow duration controls for Hydromodification Management.

Check all that apply:

- Extended Detention Basin
 Underground tank or vault
 Bioretention with outlet control
 Other: _____

6. OPERATION & MAINTENANCE (O&M) CONTACT INFORMATION

Please enter the contact information of the Responsible Party for Stormwater Treatment/Hydromodification Control O&M:

NAME	MAILING ADDRESS	EMAIL/PHONE
RESPONSIBLE PARTY IN CHARGE OF O&M	STREET:	EMAIL:
	NAME:	CITY: ZIP: PHONE:
FIRM NAME IF ANY:		

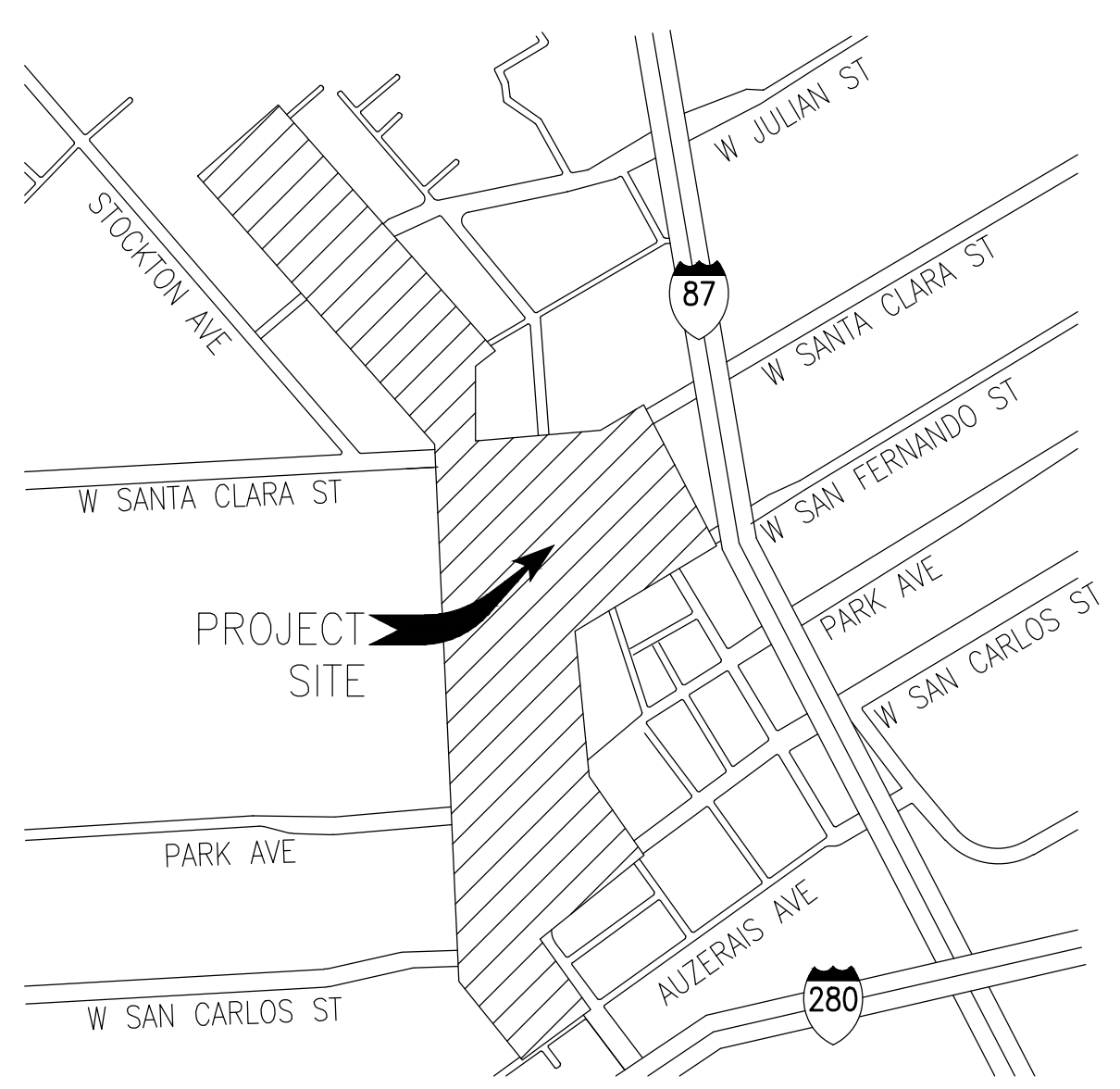
7. FORM COMPLETED BY

Alyson Goulden

9/15/2020

PRINT NAME

DATE



VICINITY MAP
N. T. S.

WORK RESPONSIBILITY
JOINT TRENCH

Item	PG&E	ELECTRIC	GAS	TELEPHONE	C.A.T.V.	CONTRACTOR
TRENCHING Excavate & backfill.....						<input checked="" type="radio"/>
GAS MATERIAL Supply & install.....	<input checked="" type="radio"/>					
PG&E ELECTRIC CABLE Supply & install.....	<input checked="" type="radio"/>					
ELECTRIC CONDUIT Supply & install.....	<input checked="" type="radio"/>					
ELECTRIC BOXES Supply & install.....	<input checked="" type="radio"/>					
ELECTRIC PADS Supply & install.....	<input checked="" type="radio"/>					
ELECTRIC TRANSFORMERS Supply & install.....	<input checked="" type="radio"/>					
ELECTRIC INTERRUPTERS Supply & install.....	<input checked="" type="radio"/>					
PG&E ELECTRIC SWITCHES Supply & install.....	<input checked="" type="radio"/>					
TELEPHONE CONDUIT Supply & install.....						<input checked="" type="radio"/>
TELEPHONE CABLE Supply & install.....						<input checked="" type="radio"/>
TELEPHONE SPlice BOXES Supply & install.....						<input checked="" type="radio"/>
TELEPHONE S.A.I. PADS Supply & install.....						<input checked="" type="radio"/>
C.A.T.V. CONDUIT Supply & install.....						<input checked="" type="radio"/>
C.A.T.V. SPlice BOXES Supply & install.....						<input checked="" type="radio"/>
C.L.E.C. FIBER CONDUIT _____ ACCEPTED _____ DECLINED Supply & install.....						<input checked="" type="radio"/>
C.L.E.C. FIBER SPlice BOXES _____ ACCEPTED _____ DECLINED Supply & install.....						<input checked="" type="radio"/>

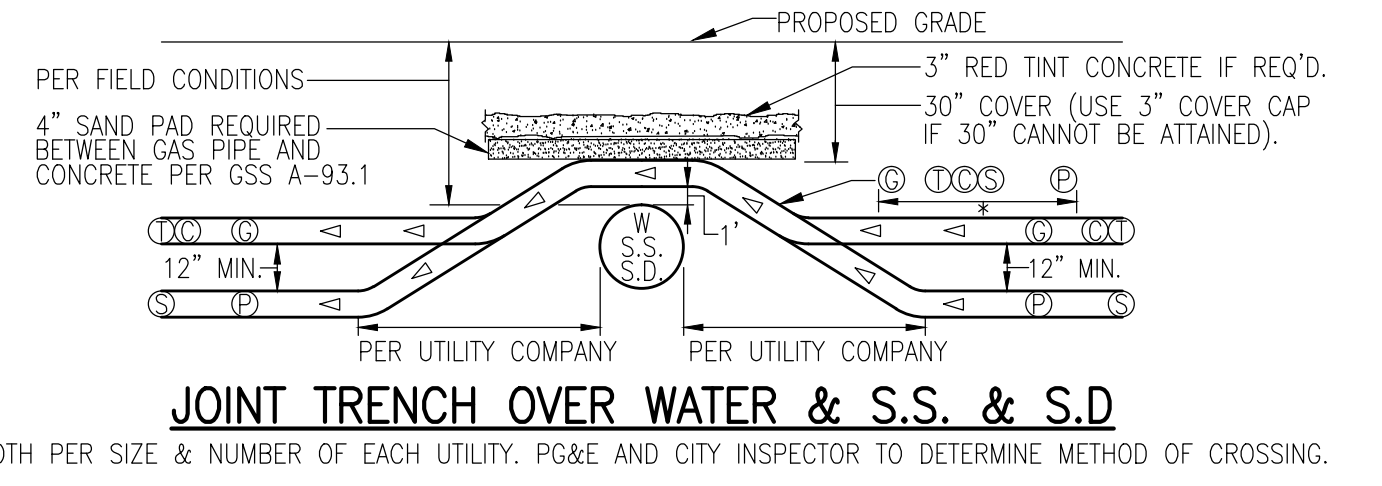
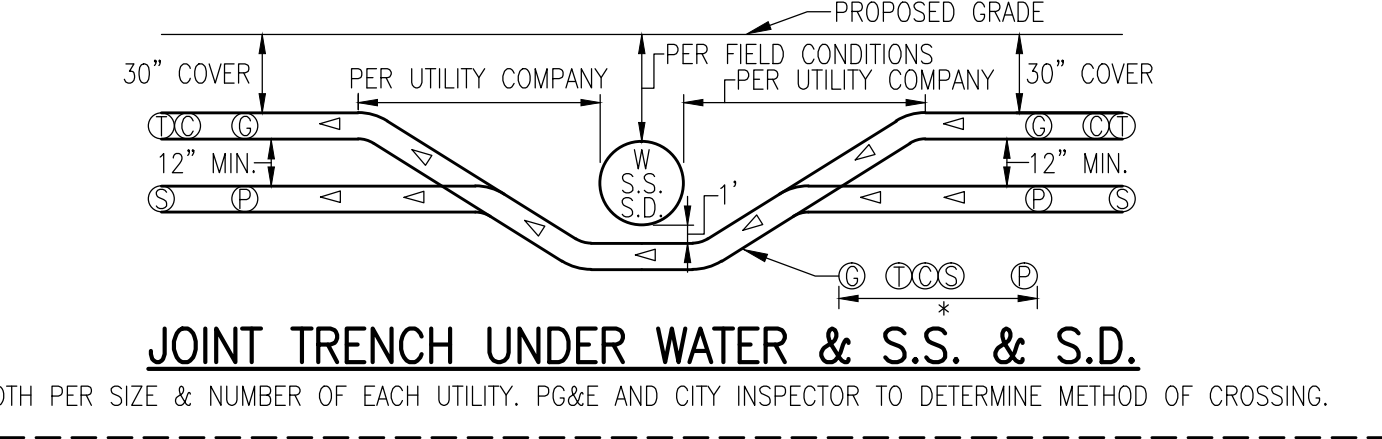
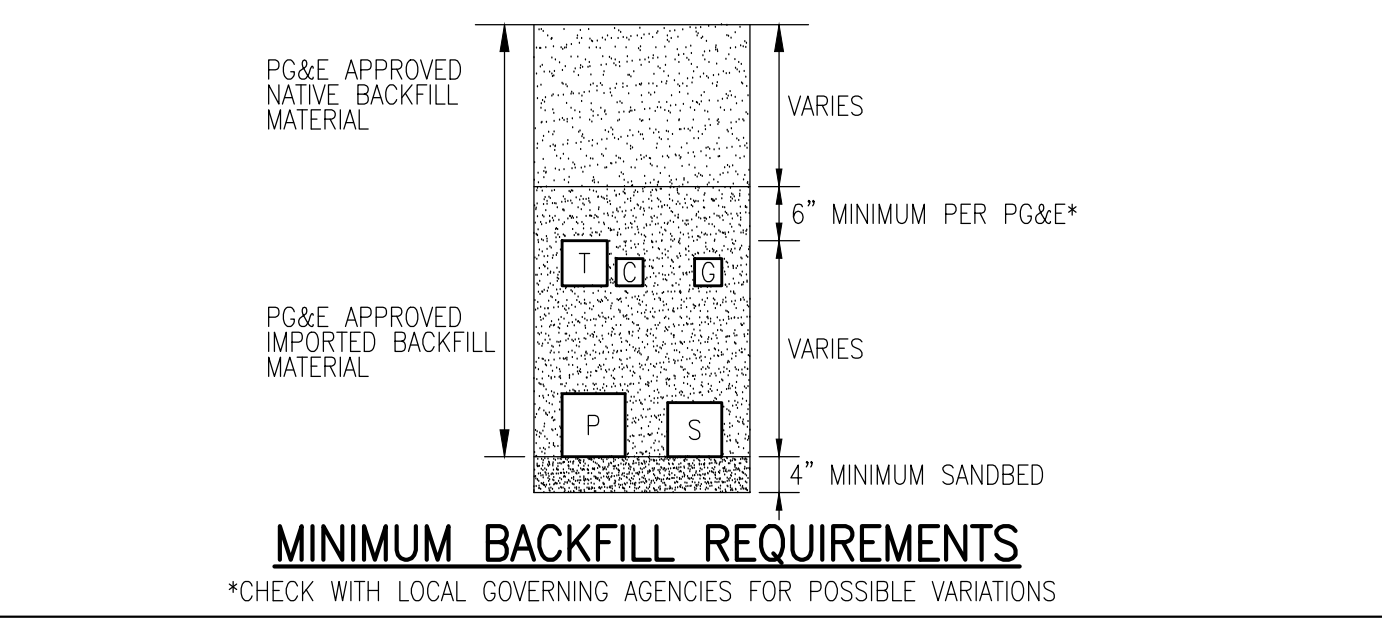
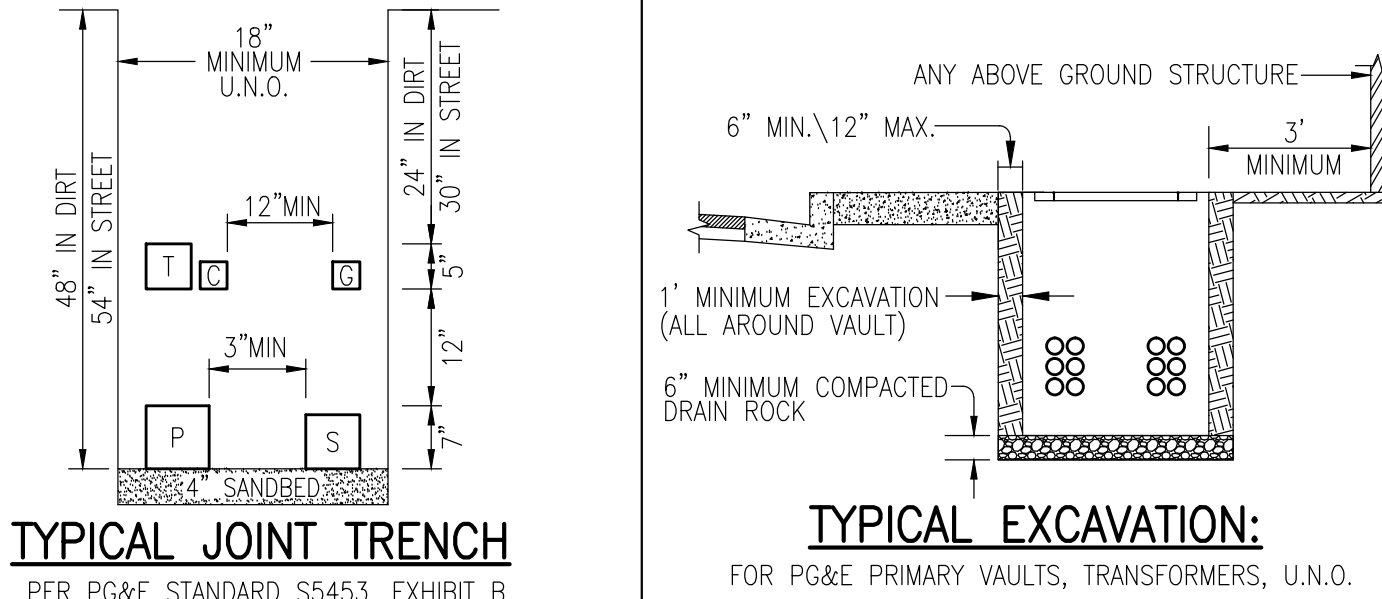
WORK TO BE PERFORMED BY THE RESPECTIVE CONTRACTOR & UTILITY COMPANIES
 ASSUME CONTRACTOR RESPONSIBILITY UNLESS OTHERWISE SPECIFIED
 NOT APPLICABLE UNLESS OTHERWISE SPECIFIED
 * PG&E TO PULL CABLE INTO ENERGIZED ENCLOSURES
 NOTE: FOR A MORE DETAILED WORK RESPONSIBILITY BREAKDOWN, SEE CORRESPONDING MATERIAL LIST.

THESE PLANS WERE PREPARED IN CONJUNCTION WITH THE FOLLOWING PLANS:

Plan Description	RECEIVED	APPROVED
CIVIL IMPROVEMENT PLANS/GRADING PLANS	08-10-2020	PRELIMINARY
ARCHITECTURAL/ELECTRONIC FILE		
APPLICANT DESIGN (GAS)		
APPLICANT DESIGN (ELECTRIC)		
TELEPHONE		
C.A.T.V.		
LANDSCAPE		
LIGHT LOCATIONS		
TRAFFIC SIGNAL LOCATIONS		

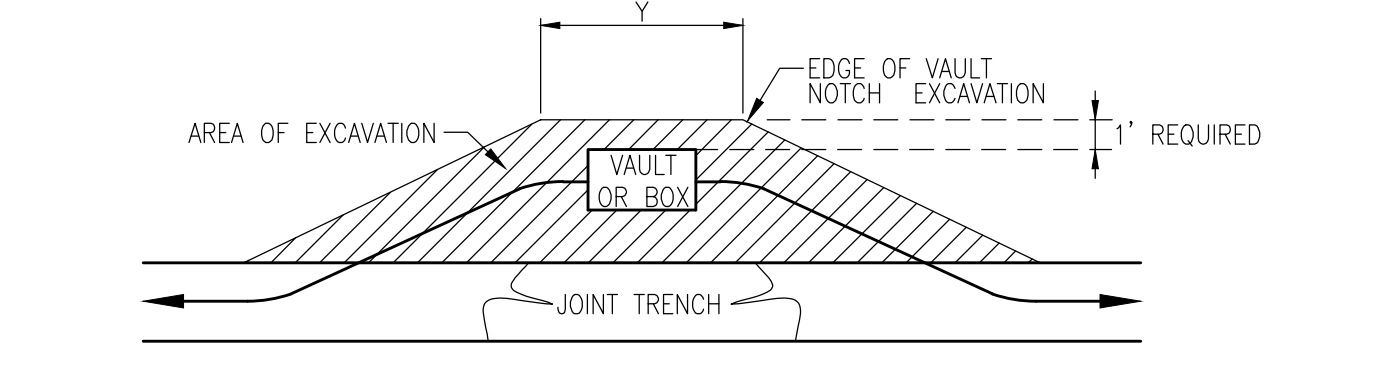
RADIUS DESIGN is not responsible for any subsequent changes or revisions.

OTHER UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY AND AVAILABLE UTILITY INFORMATION. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION AND EXTENT OF UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PHYSICAL VERIFICATION OF UTILITY LOCATIONS SHALL BE PERFORMED BY CAREFUL PROBING OR HAND DIGGING IN ACCORDANCE WITH ARTICLE 6 OF THE CAL/OSHA CONSTRUCTION SAFETY ORDERS.



NOTE: TRENCH DEPTH NOT TO EXCEED 5' UNLESS APPROVED BY PG&E INSPECTOR. IN NO CASE SHOULD PLASTIC GAS PIPE BE INSTALLED AT A DEPTH GREATER THAN 10' UNLESS APPROVED BY PG&E SENIOR GAS ENGINEER.

TRENCHING CONTRACTOR SHALL NOT ASSUME THAT EITHER OF THE ABOVE DETAILS WILL BE ACCEPTABLE TO PG&E. YOU ARE REQUIRED TO CONTACT THE LOCAL PG&E ENGINEERING OFFICE WITH ANY ISSUE RELATING TO COVERS LESS THAN MINIMUM OR COVERS REQUIRING SHORING. CONCRETE CAPPING IS ONLY ACCEPTABLE WHERE NO OTHER SOLUTION IS POSSIBLE AND ONLY WHEN CERTAIN CRITERIA ARE MET AND ONLY WITH PG&E APPROVAL.



Primary Box Size	Box Excavation	Note
3' x 5'	7'	DISTANCE VARIES PER FIELD CONDITIONS
4'-6" x 8'-6"	11'	

EXCAVATION DETAIL

ELECTRIC CONDUIT MINIMUM BEND RADIUS

CONDUIT DIAMETER	VERTICAL RADIUS	HORIZONTAL RADIUS
2"	24"	36"
3"	24"	36"
4"	36"	36"
5"	36"	60"

NOTE: 315' MAX BENDS IN ANY SECONDARY CONDUIT RUN 200' OR LESS.
300' MAX BENDS IN ANY PRIMARY CONDUIT RUN.

TYPICAL GAS METER REQUIREMENTS*

METER TYPE	LOAD (SCFH)	DELIVERY PRESSURE** (PSIG)	PAD SIZE (INCHES)	MIN. WIDTH REQUIRED FOR METER "X" (INCHES)	DISTANCE FROM RISER TO FINISHED WALL (INCHES)	MIN. HOUSELINE STUB OUT (INCHES)
TYPICAL RESIDENTIAL	0-350	0.25	N/A UNLESS USING FLEX-HOSE METER	24	6 TO 9	4
400 TO 1000 CLASS	351-1,400	0.25	N/A UNLESS USING FLEX-HOSE METER	30	6 TO 9	6
1.5M OR 3M ROTARY	1,401-3,000	APPROVED BY PG&E	40 X 36 X 4	52	20	VARIES
5M OR 7M ROTARY	3,001-7,000	APPROVED BY PG&E	78 X 36 X 4	90	20	VARIES
11M OR 16M ROTARY	7,001-16,000	APPROVED BY PG&E	94 X 36 X 4	106	20	VARIES

*ACTUAL METER-SET CONFIGURATIONS MAY DIFFER DEPENDING ON FIELD CONDITIONS AND RESTRICTIONS. FOR GAS METER DETAILS, SEE SECTION 2 OF CURRENT ELECTRIC & GAS SERVICE REQUIREMENTS GREENBOOK BY PG&E. PG&E STANDARD METER SPACING REQUIREMENTS DO NOT INCLUDE CLEARANCE FOR EARTHQUAKE VALVES OR OTHER ADDITIONAL SAFETY EQUIPMENT. SEE NOTE 17 UNDER GENERAL NOTES ON SHEET JT-1.

**DELIVERY PRESSURE TO BE CONFIRMED VIA BUILDING PLUMBING AND MECHANICAL PLANS. PG&E MAINTAINS SOLVE AUTHORITY TO DETERMINE IF THE ELEVATED DELIVERY-PRESSURE SERVICE IS AVAILABLE AT A SPECIFIC LOCATION.

GENERAL NOTES:

- JOINT TRENCH MUST BE INSTALLED ENTIRELY WITHIN AN EASEMENT. EASEMENTS FOR JOINT TRENCH SERVICE LATERALS WITHIN PROJECT ON PRIVATE PROPERTY ARE AT THE DISCRETION OF THE UTILITY COMPANIES.
- ALL DEPTHS AND RESULTING COVER REQUIREMENTS ARE MEASURED FROM FINAL GRADE.
- COVER, CLEARANCES, AND SEPARATION SHALL BE AS GREAT AS PRACTICABLE UNDER THE CIRCUMSTANCES, BUT UNDER NO CIRCUMSTANCES SHALL BE LESS THAN THE MINIMUM COVER, CLEARANCE, AND SEPARATION REQUIREMENTS SET FORTH IN GENERAL ORDER 126 AND 49CFR 192.321, 49CFR 192.325, AND 49CFR 192.327. ALL FACILITIES SHALL BE ANCHORED IN PLACE PRIOR TO OPERATION OR OTHER MEANS SHALL BE TAKEN TO ENSURE NO MOTION OF THE FACILITIES. DIMENSIONAL REQUIREMENTS FOR SHADING, LEVELING, AND BACKFILLING SHALL BE DETERMINED SUBSEQUENT TO COMPACTION.
- TRENCH DIMENSIONS SHOWN ARE TYPICAL. TRENCH SIZES AND CONFIGURATIONS MAY VARY DEPENDING UPON OCCUPANCY AND/OR FIELD CONDITIONS. TRENCH SIZE AND CONFIGURATION MUST AT ALL TIMES BE CONSTRUCTED IN A MANNER THAT ENSURES PROPER CLEARANCES AND COVER REQUIREMENTS ARE MET. ANY "CHANGE" TO THE TRENCH WIDTH AND CONFIGURATIONS AS SHOWN IN THIS EXHIBIT MUST BE DESIGNED TO ENSURE THIS REQUIREMENT.
- IT IS PREFERRED TO HAVE NON-PG&E OWNED STREETLIGHTS AT A LEVEL OTHER THAN THE GAS OR ELECTRIC LEVEL. NON-PG&E OWNED STREETLIGHTS MAY BE AT THE ELECTRIC LEVEL OF THE TRENCH AS LONG AS MINIMUM CLEARANCES ARE PROVIDED AND COMPLY WITH ALL SPECIAL NOTES FOR A JOINT TRENCH WITH A SECOND ELECTRIC UTILITY.
- NON-UTILITY FACILITIES ARE NOT ALLOWED IN ANY JOINT UTILITY TRENCH, E.G., IRRIGATION CONTROL LINES, BUILDING FIRE ALARM SYSTEMS, PRIVATE TELEPHONE SYSTEMS, OUTDOOR ELECTRICAL CABLE, ETC.
- WHEN COMMUNICATION DUCTS ARE INSTALLED, A MINIMUM OF 12" RADIAL SEPARATION SHALL BE MAINTAINED FROM GAS FACILITIES. EXCEPTION: WITH MUTUAL AGREEMENT, WHEN 4-INCH DIAMETER OR SMALLER GAS PIPE IS INSTALLED, THE SEPARATION MAY BE REDUCED TO NOT LESS THAN 6 INCHES.
- PROVIDE SEPARATION FROM TRENCH WALL AND OTHER FACILITIES SUFFICIENT TO ENSURE PROPER COMPACTION.
- MAINTAIN PROPER SEPARATION BETWEEN PG&E FACILITIES AND "WET" UTILITY LINES AS DESCRIBED IN UO STANDARD S5453. THE MINIMUM ALLOWABLE HORIZONTAL SEPARATION BETWEEN COMPANY FACILITIES AND "WET" FACILITIES IS 3' WITH A MINIMUM 1' OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER BETWEEN THE FACILITIES. IF A 3' HORIZONTAL SEPARATION CANNOT BE ATTAINED BETWEEN "WET" UTILITIES AND COMPANY DRY FACILITIES, A VARIANCE MAY BE APPROVED BY THE LOCAL INSPECTION SUPERVISOR AND SUBMITTED TO THE SERVICE PLANNING SUPPORT PROGRAM MANAGER FOR APPROVAL. SEPARATIONS OF 1' OR LESS ARE NOT PERMISSIBLE AND WILL NOT BE ALLOWED. THE COMPANY MAY AGREE TO WAIVE THE MINIMUM 3' SEPARATION REQUIREMENT AT THE REQUEST OF AN APPLICANT IF WARRANTED AND THE NEED IS JUSTIFIED. THE REQUEST FOR A WAIVER MUST:
 - BE MADE IN WRITING AND SUBMITTED TO THE COMPANY ADE DURING THE PLANNING AND DESIGN PHASE OF THE PROJECT.
 - CLEARLY DESCRIBE THE CONDITIONS NECESSITATING THE WAIVER.
 - INCLUDE A PROPOSED DESIGN, AND INCLUDE A DESIGN FOR A BARRIER BETWEEN THE "WET" UTILITIES AND COMPANY DRY FACILITIES IN THE EVENT 1' OF UNDISTURBED EARTH CANNOT BE MAINTAINED. NOTE: DRAIN LINES CONNECTED TO DOWNSPOUTS ON BUILDINGS ARE CONSIDERED A "WET" UTILITY FOR THE PURPOSES OF THIS STANDARD.
- SEPARATIONS SHALL BE MAINTAINED AT ABOVE GROUND TERMINATION POINTS.
- PROCEDURES FOR APPROVING NATIVE BACKFILL FOR SHADING OF PG&E GAS FACILITIES:
 - RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF 3 LOCATIONS PER 1,000' OF TRENCH. 100% OF THE SAMPLE MUST PASS THROUGH A 1/2" SIEVE AND 75% MUST PASS THROUGH A #4 SCREEN. ADDITIONAL SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND ARE TO BE TAKEN AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE.
 - SOILS MUST NOT CONTAIN ANY ROCKS THAT HAVE SHARP EDGES OR THAT MAY OTHERWISE BE ABRASIVE.
 - SOILS MUST NOT CONTAIN CLODS LARGER THAN 1/2" IF TO BE USED AS SHADING, BEDDING, OR LEVELING MATERIALS.
 - COMPACTION REQUIREMENTS MUST MEET ANY APPLICABLE PG&E, FEDERAL, STATE, COUNTY, OR LOCAL REQUIREMENTS.
 - AT NO TIME SHALL THE OVER SATURATION OF NATIVE SOILS BE USED TO ACHIEVE THESE REQUIREMENTS.
 - THE SIEVES AND SCREENS SHALL BE: 1/2" SIEVE: 8" DIAMETER BY 2" DEEP, STAINLESS STEEL MESH SCREEN. #4 SCREEN: 8" DIAMETER BY 2" DEEP, STAINLESS STEEL MESH SCREEN.
- PROCEDURES FOR APPROVING NATIVE BACKFILL FOR SHADING AT PG&E ELECTRIC FACILITIES:
 - RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF 3 LOCATIONS PER 1,000' OF TRENCH. 100% OF THE SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND ARE TO BE TAKEN AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE.
 - SHADING MATERIAL CONTAINING LARGE ROCK, PAVING MATERIAL, CINDERS, SHARPLY ANGULAR SUBSTANCES, OR CORROSIVE MATERIAL SHALL NOT BE PLACED IN THE TRENCH WHERE SUCH MATERIAL MAY DAMAGE THE CONDUITS AND/OR PREVENT PROPER COMPACTION OVER OR AROUND THE CONDUITS.
 - NATIVE SOILS CONTAINING CLODS NOT TO EXCEED 6" IN DIAMETER MAY BE INCLUDED IN THE SHADING MATERIAL PROVIDED THE CLODS ARE READILY BREAKABLE BY HAND. NOTE: SOILS CONSISTING PRIMARILY OF ADOBE, HARD COMPACT (DENSE) CLAY, AND BAY MUDS SHALL NOT BE USED AS SHADING MATERIAL.
 - AT NO TIME SHALL THE OVER SATURATION OF NATIVE SOILS BE USED TO ACHIEVE THESE REQUIREMENTS.
 - REFER TO ENGINEERING DOCUMENT 062288, ITEM 13 ON PAGE 2.
- COMPETENT NATIVE SOILS ARE PREFERRED TO BE USED FOR SHADING, BEDDING, AND BACKFILLING THROUGHOUT THE TRENCH.
 - WHERE NATIVE SOILS EXCEED 1/2" MINUS AND/OR WHERE GAS IS TO BE PLACED AT THE BOTTOM OF A TRENCH IN AREAS THAT EXCEED 1/2" MINUS SOIL CONDITIONS, OR WHERE THE BOTTOM OF A TRENCH IS CONSIDERED TO CONSIST OF HARD PAN, PG&E APPROVED 1/2" MINUS IMPORT MATERIAL SHALL BE USED FOR SHADING AND/OR BEDDING OF GAS FACILITIES.
 - PG&E APPROVED IMPORT MATERIAL IS PER CGT ENGINEERING GUIDELINE 4123.
 - IF A LEVELING COURSE IS REQUIRED FOR GAS FACILITIES, THE USE OF NATIVE SOILS IS PREFERRED, BUT IF 1/2" MINUS CONDITIONS ARE NOT ATTAINABLE WITH THE NATIVE SOILS, THEN THE USE OF PG&E APPROVED IMPORT MATERIALS IS REQUIRED. BEDDING UNDER GAS FACILITIES WILL BE A MINIMUM OF 2" OF COMPACTED 1/2" MINUS NATIVE SOILS OR PG&E APPROVED IMPORT MATERIAL.
 - FOR ELECTRIC FACILITIES, REFER TO NOTE 12. THIS APPLIES TO LEVELING COURSES AS WELL AS SHADING.
 - THE MINIMUM PG&E APPROVED BEDDING MATERIAL MAY BE INCREASED AT THE DISCRETION OF PG&E WHEN WARRANTED BY EXISTING FIELD CONDITIONS (E.G., ROCKY SOILS, HARD PAN, ETC.).
 - THE USE OF ANY IMPORTED MATERIAL FOR BACKFILLING PURPOSES SHALL BE LIMITED TO THOSE SITUATIONS WHEN NATIVE SOILS DO NOT ALLOW FOR REQUIRED COMPACTION.
- THE APPLICANT IS RESPONSIBLE FOR THE REMOVAL OF EXCESS SPOIL AND ASSOCIATED COSTS.
- SEPARATION BETWEEN GAS FACILITIES AND ELECTRIC FACILITIES MAY BE REDUCED TO 6" WHEN CROSSING.
- SERVICE SADDLES ARE THE PREFERRED SERVICE FITTINGS FOR USE THROUGHOUT THE JOINT TRENCH PROJECT. ALL PROJECTS WILL BE DESIGNED AND ESTIMATED USING SERVICE SADDLES. HOWEVER, SERVICE TEES MAY BE USED IF ALL CLEARANCES, SEPARATION, AND COVER REQUIREMENTS ARE MAINTAINED.
- CONTRACTOR TO INCREASE METER SPACING AS NECESSARY WHEN EARTHQUAKE VALVES OR OTHER ADDITIONAL SAFETY EQUIPMENT ARE REQUIRED. EARTHQUAKE VALVES ARE REQUIRED IN SOME AREAS AND ARE NOT PART OF PG&E/RADIUS SCOPE. THIS INFORMATION CAN BE FOUND ON BUILDING MECHANICAL ENGINEER'S PLANS. PG&E STANDARD METER SPACING REQUIREMENTS DO NOT INCLUDE CLEARANCE FOR EARTHQUAKE VALVES.

TRANSFORMER CLEARANCE REQUIREMENTS:

- ABOVE ANY THREE PHASE PAD-MOUNTED TRANSFORMER LOCATION (EXCEPT MINI THREE PHASE), MAINTAIN 30' MINIMUM UNOBSTRUCTED OVERHEAD CLEARANCE OVER TRANSFORMER PAD.
- ABOVE ANY OTHER TRANSFORMER LOCATION, MAINTAIN 20' MINIMUM UNOBSTRUCTED OVERHEAD CLEARANCE OVER TRANSFORMER VAULT/PAD.

GAS PIPELINE UNDERGROUND WARNING TAPE NOTES:

- A WARNING TAPE IS TO BE INSTALLED IN OPEN TRENCH INSTALLATION OVER GAS PIPELINES IN BOTH TRANSMISSION AND DISTRIBUTION FACILITIES. THIS INCLUDES TRENCHES, BELL HOLES, EXCAVATIONS FOR REPAIR PURPOSES AND RISER REPLACEMENTS. THE WARNING TAPE IS INTENDED FOR EXCAVATOR DIGGING IN THE TOLERANCE ZONE TO STRIKE THE WARNING TAPE PRIOR THAN THE PIPELINE. WHEN THE WARNING TAPE IS EXPOSED AND GRABBED WITH EXCAVATING EQUIPMENT, IT STRETCHES WITHOUT BREAKING, THUS ALERTING THE EXCAVATOR OF THE GAS FACILITY BELOW.
- INSTALL 6" WIDE WARNING TAPE ABOVE THE GAS PIPELINE AT LEAST 12" BELOW GRADE, AND NO CLOSER THAN 12" FROM THE PIPE. INSTALLATION SHOULD PROVIDE THE GREATEST DISTANCE BETWEEN THE PIPELINE AND THE TAPE AS POSSIBLE. INSTALL THE TAPE ALONG THE LENGTH OF THE EXCAVATION. ENSURE THAT THE TAPE OVERLAPS WHEN TWO OR MORE PIECES OF TAPE ARE USED. EXCEPTION: WHEN A JOINT TRENCH DESIGN DOES NOT ALLOW FOR INSTALLMENT OF WARNING TAPE WITHIN THE "WARNING TAPE INSTALLATION ZONE", INSTALL THE WARNING TAPE A MINIMUM OF 6" ABOVE THE GAS PIPELINE, AND BELOW THE FACILITY ABOVE THE PIPE.
- WARNING TAPE SHALL BE BRIGHTLY COLORED YELLOW AND MARKED "CAUTION: GAS LINE BURIED BELOW" OR MARKED WITH A SIMILAR NOTIFICATION.
- WARNING TAPE SHALL BE STORED IN SUCH A MANNER THAT LIMITS ULTRAVIOLET (UV) EXPOSURE.

PG&E PM#S:
ELECTRIC:
GAS:

DESIGN CHANGE COMPONENT
ANY CHANGES TO THIS DESIGN MUST BE APPROVED BY
PG&E GAS ADE

CONSTRUCTION NOTES:

- ALL TRENCHING, BACKFILLING AND INSTALLATION BY CONTRACTOR MUST COMPLY WITH PG&E UO STANDARD S5453 (EFFECTIVE DATE 7-5-2006).
- ALL WORK MUST COMPLY WITH P.G. & E. TELEPHONE, C.A.T.V., STANDARDS AND PRACTICES. ALL WORK MUST BE INSPECTED AND APPROVED BY RESPECTIVE INSPECTORS. RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF THREE LOCATIONS PER 1,000' OF TRENCH. 100% OF THE SAMPLE MUST PASS THROUGH A 1/2" SIEVE AND 75% MUST PASS THROUGH A #4 SCREEN. ADDITIONAL SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND IS TO BE AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE. THE SOILS MUST NOT CONTAIN ANY ROCKS THAT HAVE SHARP EDGES OR THAT MAY OTHERWISE BE ABRASIVE. THE SOILS MUST NOT CONTAIN CLODS LARGER THAN 1/2" IF TO BE USED AS SHADING, BEDDING, OR LEVELING MATERIALS. COMPACTION REQUIREMENTS MUST MEET ANY APPLICABLE P.G. & E. FEDERAL, STATE, COUNTY OR LOCAL REQUIREMENTS. ANY NATIVE SOILS OR IMPORT MATERIALS USED MUST NOT HINDER THOSE EFFORTS.
- BACKFILL SHALL BE APPROVED BY THE UTILITY COMPANIES AND THE CITY. COMPACTION WILL BE TESTED AND PASSED BY THE SOILS ENGINEER.
- IF SOIL IS NOT ROCK FREE, ADD 4" DEPTH OF TRENCH FOR SAND BEDDING.
- VERIFY SPlice BOX EXCAVATION SIZES WITH SUPPLIER(S).
- THE TRENCHING CONTRACTOR SHALL COORDINATE THE UTILITY COMPANIES' INSTALLATION. THE TRENCHING CONTRACTOR TO PLACE CONNECTING CONDUIT WITHIN 5' OF BUILDING EXTERIOR WALL.
- CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THE PROJECT IMPROVEMENT PLANS AND CONDUCT HIS WORK ACCORDINGLY.
- IT IS THE TRENCHING CONTRACTOR'S RESPONSIBILITY TO PROTECT IN PLACE ALL EXISTING FACILITIES. NO EXTRA PAYMENT WILL BE CONSIDERED FOR CROSSING OTHER SYSTEMS.
- RADIUS DESIGN ASSUMES NO RESPONSIBILITY FOR THE PROJECT CONDITIONS. THESE DRAWINGS WERE PREPARED USING DATA SUPPLIED BY PG&E, TELEPHONE, C.A.T.V., IMPROVEMENT PLANS AND THE CITY'S VARIOUS "AS BUILT" INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PHYSICALLY REVIEW THE PROJECT PRIOR TO SUBMITTING HIS BID.
- CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A., INDUSTRIAL SAFETY ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING NEAR ENERGIZED OR "HOT" EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER. PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES ARE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL PROTECT CONSTRUCTION STAKING. HE SHALL COORDINATE STAKING WITH THE PROJECT'S CIVIL ENGINEER.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS PRIOR TO START OF WORK.
- CONTRACTOR SHALL NOTIFY INSPECTORS OF ANY POTENTIAL CONFLICTS PRIOR TO START OF WORK.
- THIS PLAN IS TO BE USED FOR SOLE PURPOSE OF DIGGING THE JOINT TRENCH. SEE PG&E, AT&T, AND COMCAST PLANS FOR EXACT SIZE AND NUMBER OF CONDUITS INSTALLED IN THE JOINT TRENCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CORRECT NUMBER, SIZE AND TYPES OF CONDUITS ARE INSTALLED PER THE ENGINEERED PLANS BY EACH UTILITY COMPANY.
- NOTE: PLANS ISSUED AT THE PRE-CONSTRUCTION MEETING MAY BE SUBJECT TO REVISIONS, IF FINAL PLANS FROM EACH UTILITY COMPANY WERE NOT AVAILABLE AT THE START OF CONSTRUCTION.
- WATER, SEWER, DRAINS, SANITARY WASTE, FUELS (INCLUDING DIESEL AND GASOLINE), OIL, PROPANE AND OTHER VOLATILE HEAVIER THAN AIR GASES, SPRINKLER, IRRIGATION, STEAM AND OTHER "WET" FACILITIES SHALL MAINTAIN A MINIMUM OF THREE FEET FROM THE NEAREST OUTER SURFACE OF PG&E FACILITIES WITH NO LESS THAN ONE FOOT OF EARTH (SOIL BARRIER) BETWEEN THE ADJACENT SIDES OF THE INDIVIDUAL TRENCHES.
- IN THE EXTRAORDINARY CASE THAT THE MINIMUM THREE FOOT HORIZONTAL SEPARATION CANNOT BE ATTAINED BETWEEN "WET" UTILITIES AND COMPANY DRY FACILITIES, A VARIANCE MAY APPROVED BY THE LOCAL INSPECTION SUPERVISOR AND SUBMITTED TO SERVICE PLANNING SUPPORT PROGRAM MANAGER FOR APPROVAL.
- ALL METER PANELS: INDIVIDUAL, RESIDENTIAL, OR NONRESIDENTIAL APPLICANTS WITH A METER PANEL RATING OF ANY SIZE, INSTALLED INSIDE A METER ROOM OR OTHER STRUCTURE, MUST FOLLOW ALL OF THE REQUIREMENTS DESCRIBED BELOW.
 - INSTALL, OWN, AND MAINTAIN A SEPARATE, NOMINAL, 2-INCH DIAMETER CONDUIT WITH PULL TAPE INSIDE. THE CONDUIT AND PULL TAPE MUST EXTEND FROM THE OUTSIDE SURFACE OF THE BUILDING AND TERMINATE OUTSIDE THE METER PANEL OR SWITCHBOARD AT THE TOP OF THE METER SECTION.
 - ENSURE THE 2-INCH DIAMETER CONDUIT AND PULL TAPE EXIT THE OUTSIDE OF THE BUILDING A MINIMUM OF 8 FEET AND A MAXIMUM OF 10 FEET ABOVE GROUND. THE OPEN END OF THE CONDUIT THAT IS EXPOSED TO THE OUTSIDE MUST HAVE A REMOVABLE, TEMPORARY CAP OR PLUG.
 - DO NOT USE THE CONDUIT. THE CONDUIT IS FOR PG&E'S METERING EQUIPMENT ONLY.
- THIS JOINT TRENCH PLAN WAS PREPARED BASED ON TOPOGRAPHICAL SURVEY AS PROVIDED BY A CIVIL ENGINEER. THE CONTRACTOR IS CAUTIONED THAT EXPLORATORY WORK IS NECESSARY TO DETERMINE THE ACTUAL LOCATION OF ANY EXISTING UTILITY. RADIUS STRONGLY RECOMMENDS THAT ALL UTILITIES BE PHYSICALLY LOCATED ON THE SITE BEFORE THE ONSET OF SITE WORK. SUBSTRUCTURE LOCATIONS MAY REQUIRE FIELD ADJUSTMENT TO COMPENSATE FOR ACTUAL EXISTING UTILITY LOCATIONS.

SUBSTRUCTURE VERIFICATION STAMP

DEVELOPER
PLEASE NOTE AND SIGN

CITY OF SAN JOSE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED FOR UTILITY TRENCH WORK
WITHIN CITY RIGHT-OF-WAY ONLY

PROJECT ENGINEER _____ DATE _____

PERMIT NUMBER _____ EXPIRATION DATE _____

THANK YOU

SIGNED _____ DATE _____

UTILITY APPROVALS

UTILITY	APPROVED BY	DATE
PG&E ELECTRIC		
PG&E GAS		
AT&T (PHONE)		
COMCAST (CATV)		
CITY ENGINEER		

FOR RADIUS USE ONLY
QA REVIEW

INTENT	INITIALS	REVIEW DATE
COMPOSITE		
PRE-CON		
PRE-CON		

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only

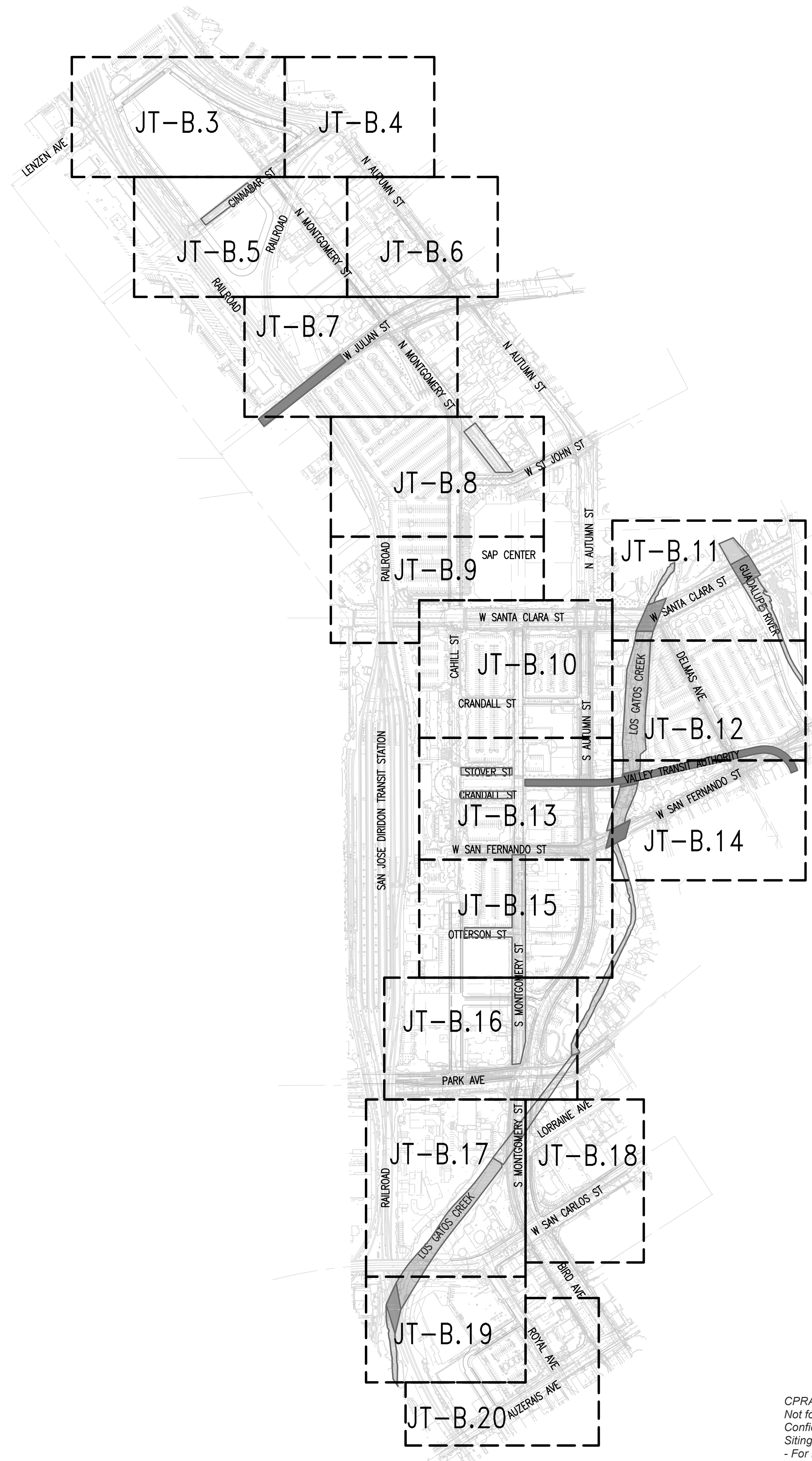
SHEET INDEX

JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

REGISTERED PROFESSIONAL ENGINEER
DAVID B. VOORIES
No. 26429
Exp. 03-31-22
CIVIL
STATE OF CALIFORNIA

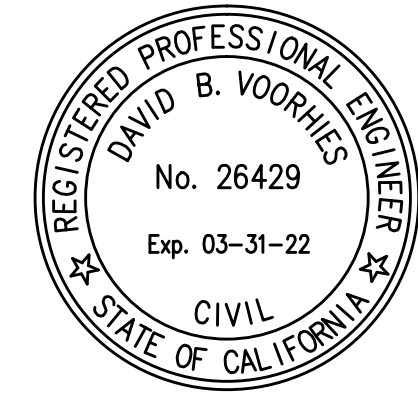
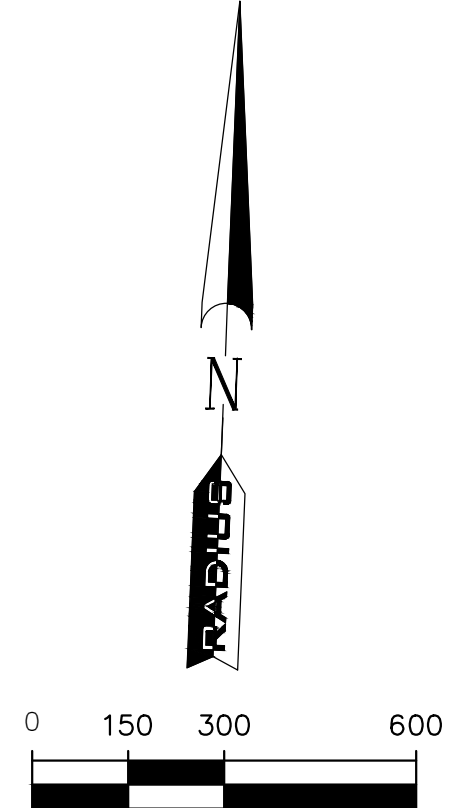
PROJECT NUMBER: 20-1072
SCALE: N.T.S.
PROJECT MANAGER: SCOTT HARDESTER
DRAWN BY: HENRY NGUYEN
CHECKED BY: CRAIG BURTON
LAST UPDATED: 09-08-2020
DRAWING NUMBER: JT-B.1
SHEET: 1 OF 20

DRAWING NAME: J:\projects\projects\2020\20-1072_dirdon\radius work\20-1072_JT-B.2.dwg
 PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
 PLOTTED BY: HENRY



CPRA Confidential Treatment Request,
 Not for Public Release - CPRA Exempt,
 Confidential and Proprietary Business /
 Siting Information, Pre-Decisional Draft
 - For Review Only

SHEET INDEX	
JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT



<p>RADIUS DESIGN LLC UTILITY DESIGN CONSULTANTS & ENGINEERS 1460 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596 Tel: (925) 269-4575</p>	<p>OVERALL Interim Final Draft DOWNTOWN WEST San Jose, California</p>
<p>CALIFORNIA REGISTERED PROFESSIONAL ENGINEER No. 26429 Exp. 03-31-22 CIVIL STATE OF CALIFORNIA</p>	
<p>PROJECT NUMBER: 20-1072 SCALE: 1" = 300' PROJECT MANAGER: SCOTT HARDESTER DRAWN BY: HENRY NGUYEN CHECKED BY: CRAIG BURTON LAST UPDATED: 09-08-2020 DRAWING NUMBER: JT-B.2 SHEET: 2 OF 20</p>	
<p>DATE: _____ REVISION: _____ DELTA NO: _____</p>	<p>CALIFORNIA SAN JOSE</p>

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

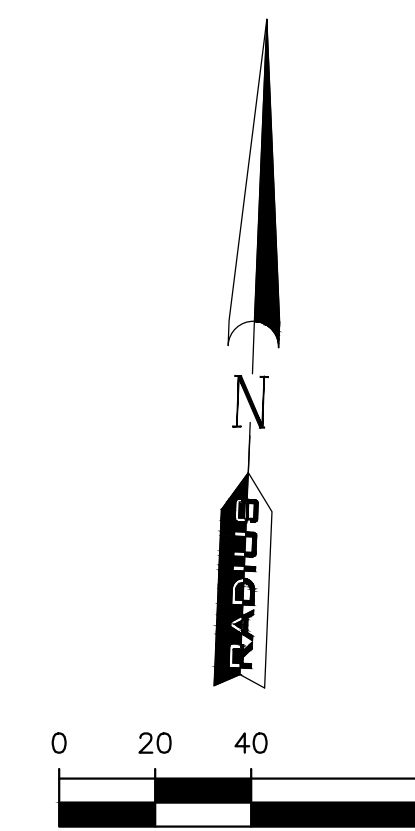
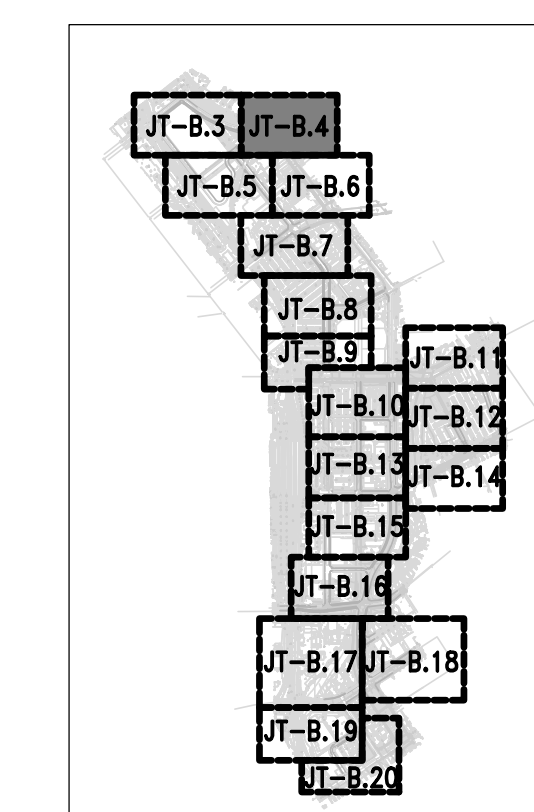
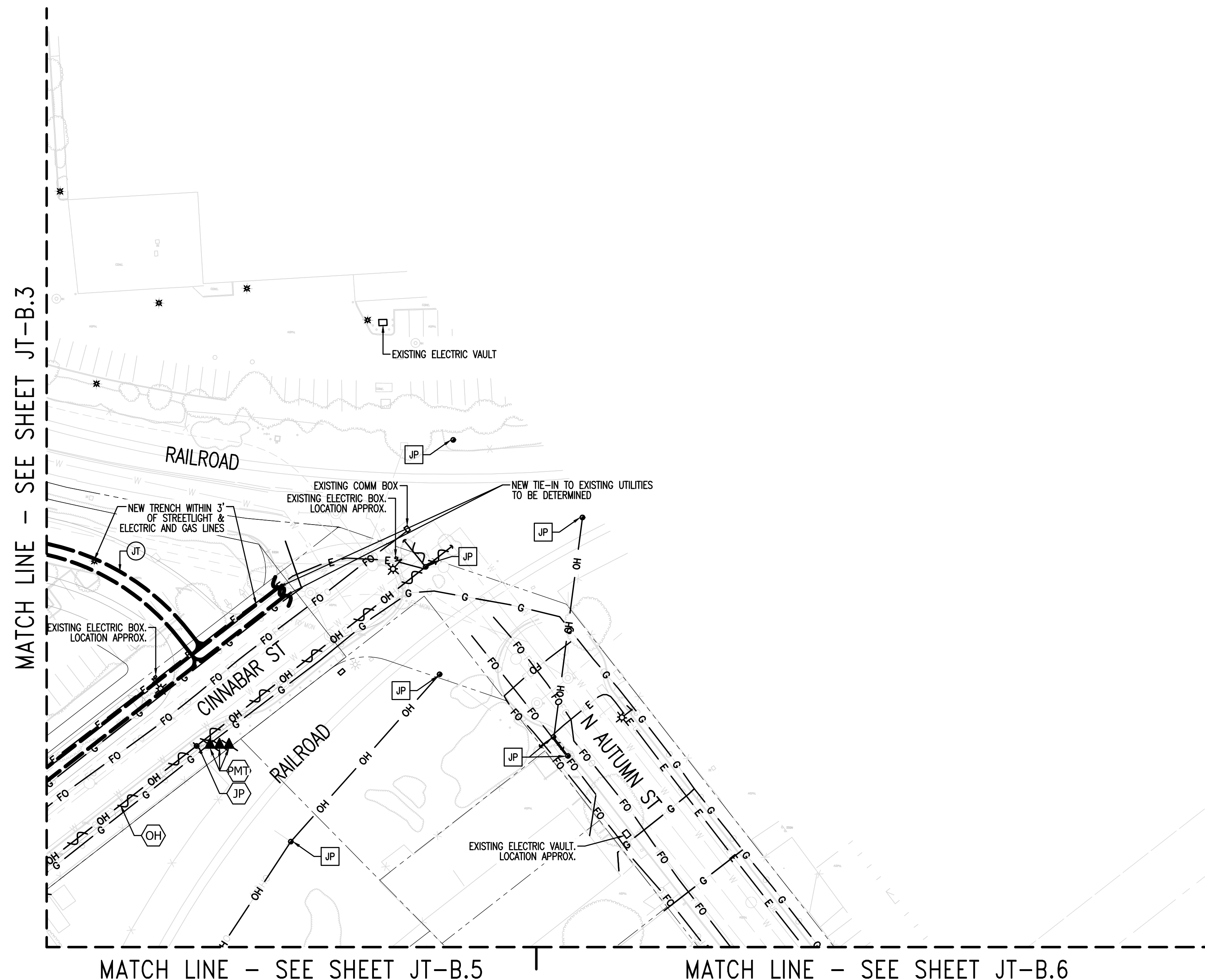
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

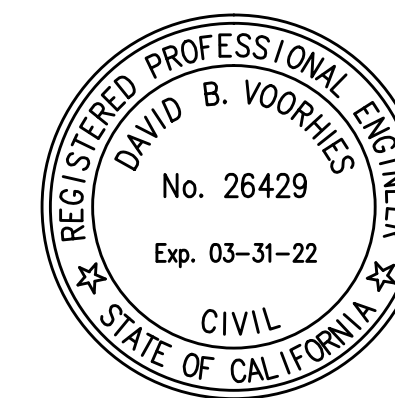
LEGEND:

NEW	DESCRIPTION
(Symbol)	JOINT TRENCH
EXISTING	DESCRIPTION
(Symbol)	OH OVERHEAD LINES
(Symbol)	E ELECTRIC LINES
(Symbol)	G GAS LINES
(Symbol)	ATT AT&T LINES
(Symbol)	C CATV LINES
(Symbol)	FO FIBER OPTIC LINES
(Symbol)	JOINT POLE
(Symbol)	POLE-MOUNTED TRANSFORMER
(Symbol)	DECORATIVE LIGHT
(Symbol)	STREET LIGHT
(Symbol)	TRAFFIC SIGNAL LIGHT
(Symbol)	OH EXISTING OVERHEAD LINE TO BE REMOVED
(Symbol)	E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
(Symbol)	G EXISTING GAS LINE TO BE REMOVED/RELOCATED
(Symbol)	ATT EXISTING PHONE LINE TO BE REMOVED/RELOCATED
(Symbol)	FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
(Symbol)	EXISTING JOINT POLE TO BE REMOVED
(Symbol)	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-8006.

DATE:	REVISION:



JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

RADIUS DESIGN LLC
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel: (925) 269-4575

PROJECT NUMBER:
20-1072
SCALE:
1" = 40'
PROJECT MANAGER:
SCOTT HARDESTER
DRAWN BY:
HENRY NGUYEN
CHECKED BY:
CRAIG BURTON
LAST UPDATED:
09-08-2020
DRAWING NUMBER:
JT-B.4
SHEET: 4 OF 20

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

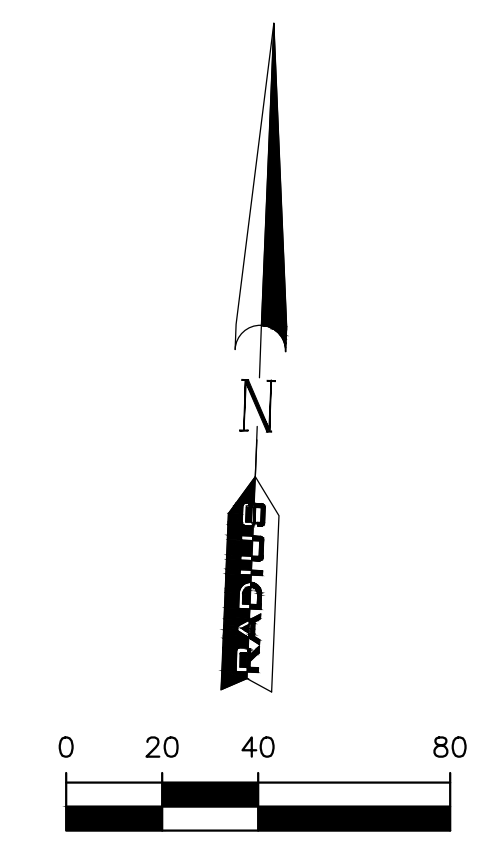
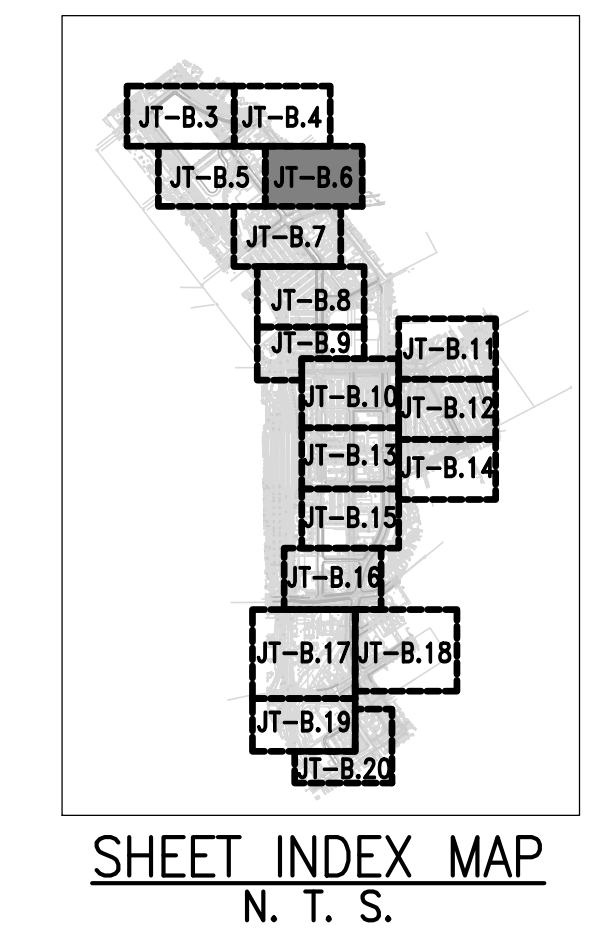
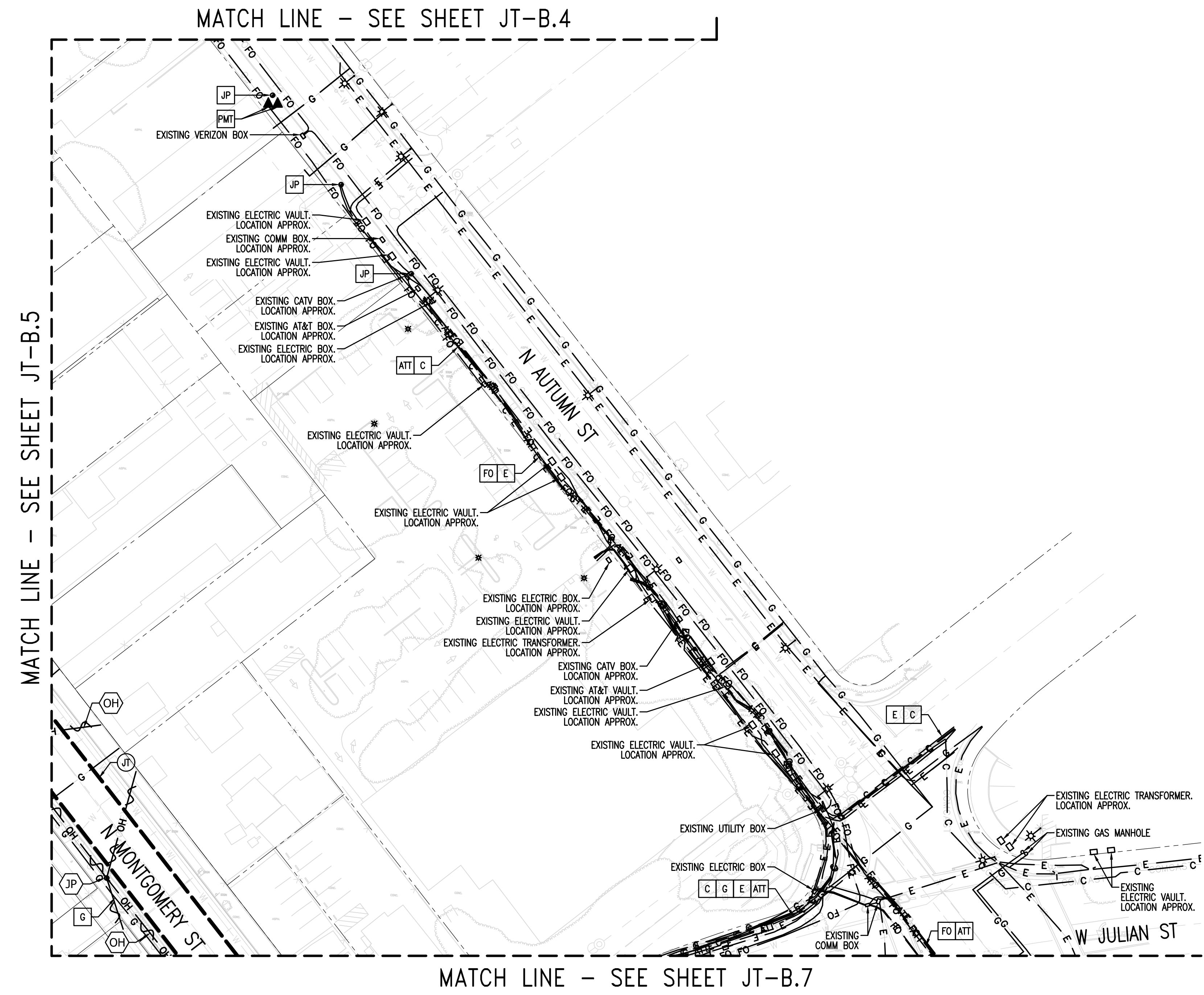
**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊕	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

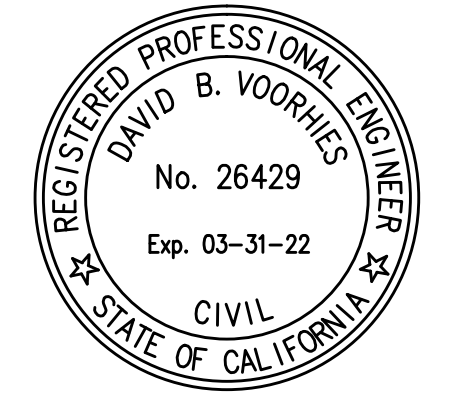
REFER TO PC&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PC&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PC&E BULLETIN TD-062288-8006.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only

SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT



DATE: _____

REVISION: _____

DATE: _____

REVISION: _____

CALIFORNIA PROFESSIONAL ENGINEER

CALIFORNIA

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN LLC
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

DRAWING NUMBER:
JT-B.6

SHEET: 6 OF 20

DRAWING NAME: J:\projects\projects\2020\20-1072\JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOTTER: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

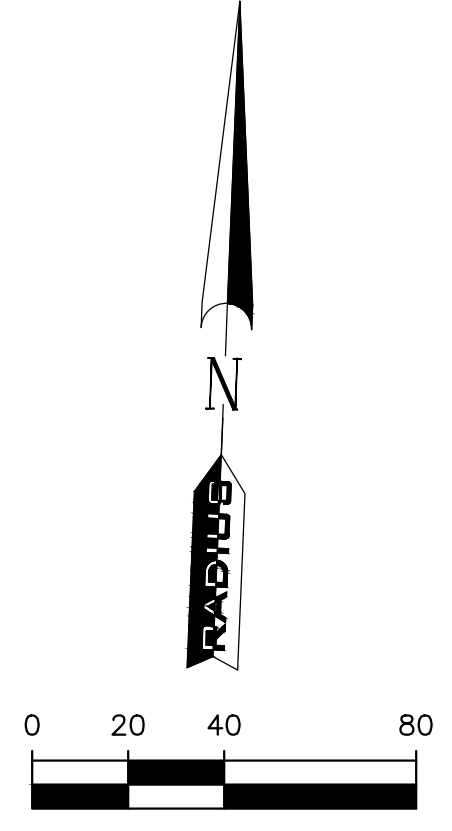
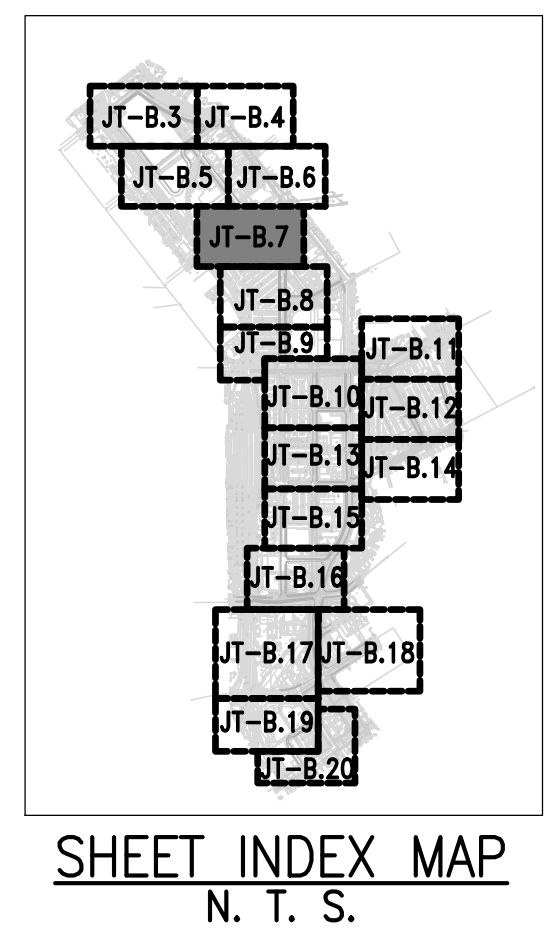
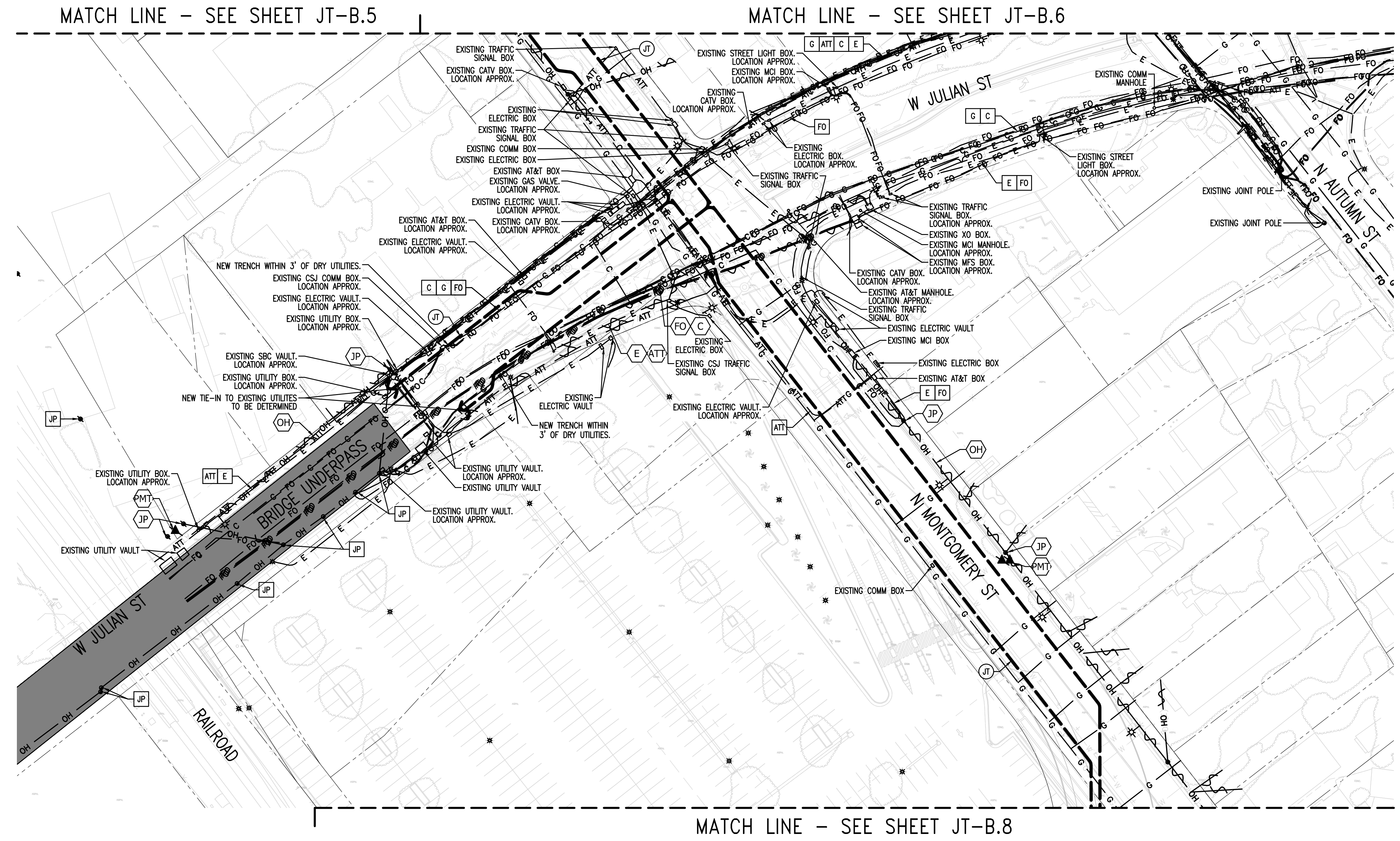
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
⊕	JOINT TRENCH
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊕	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
⊕	EXISTING OVERHEAD LINE TO BE REMOVED
⊕	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⊕	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⊕	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⊕	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⊕	EXISTING JOINT POLE TO BE REMOVED
⊕	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

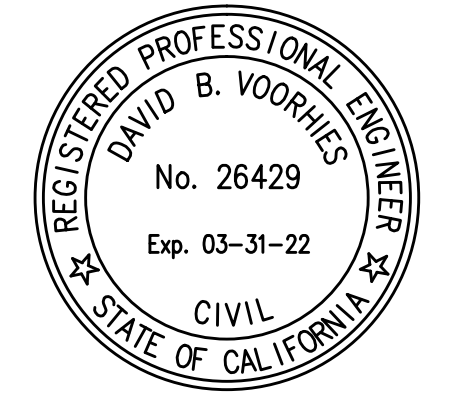
REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-8006.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only

SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT



DATE: _____

REVISION: _____

DELTA NO: _____

CALIFORNIA PROFESSIONAL ENGINEER

CALIFORNIA

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

DRAWING NUMBER:
JT-B.7

SHEET: 7 OF 20

DRAWING NAME: J:\projects\2020\20-1072\JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOTTER: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

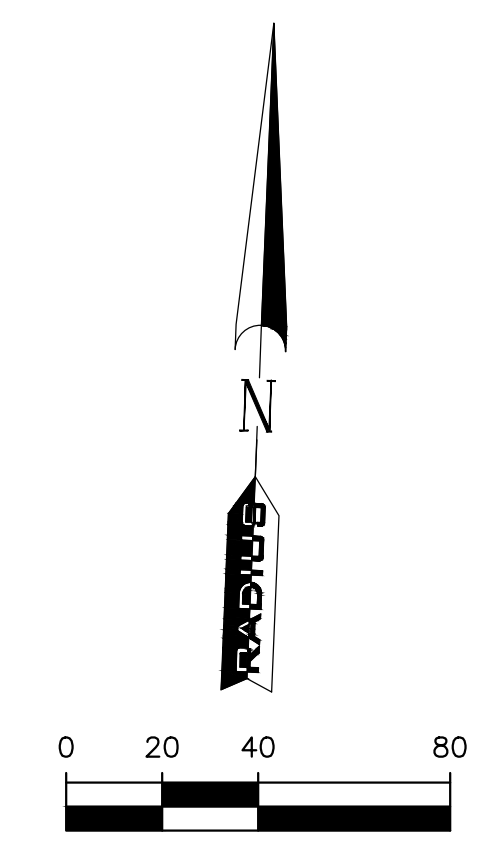
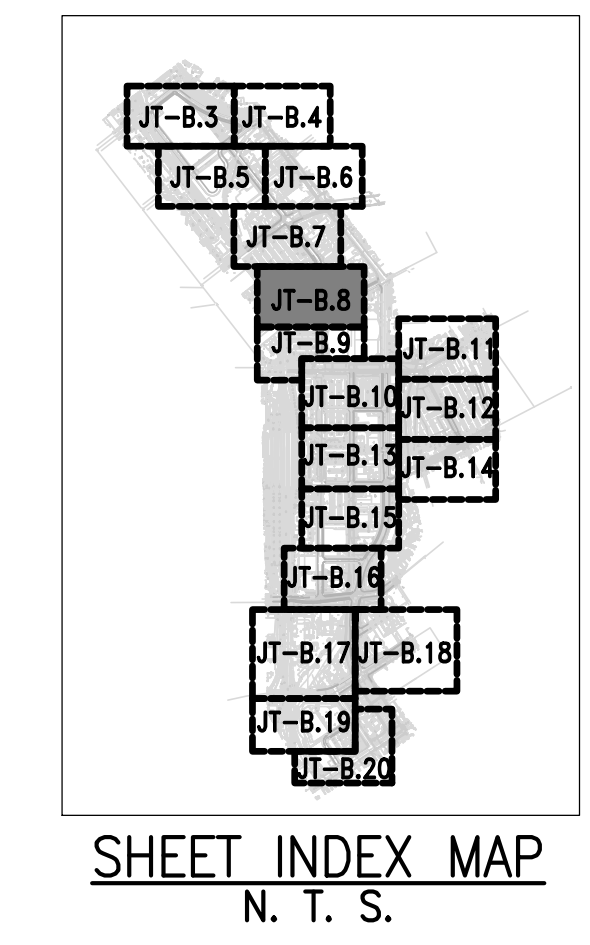
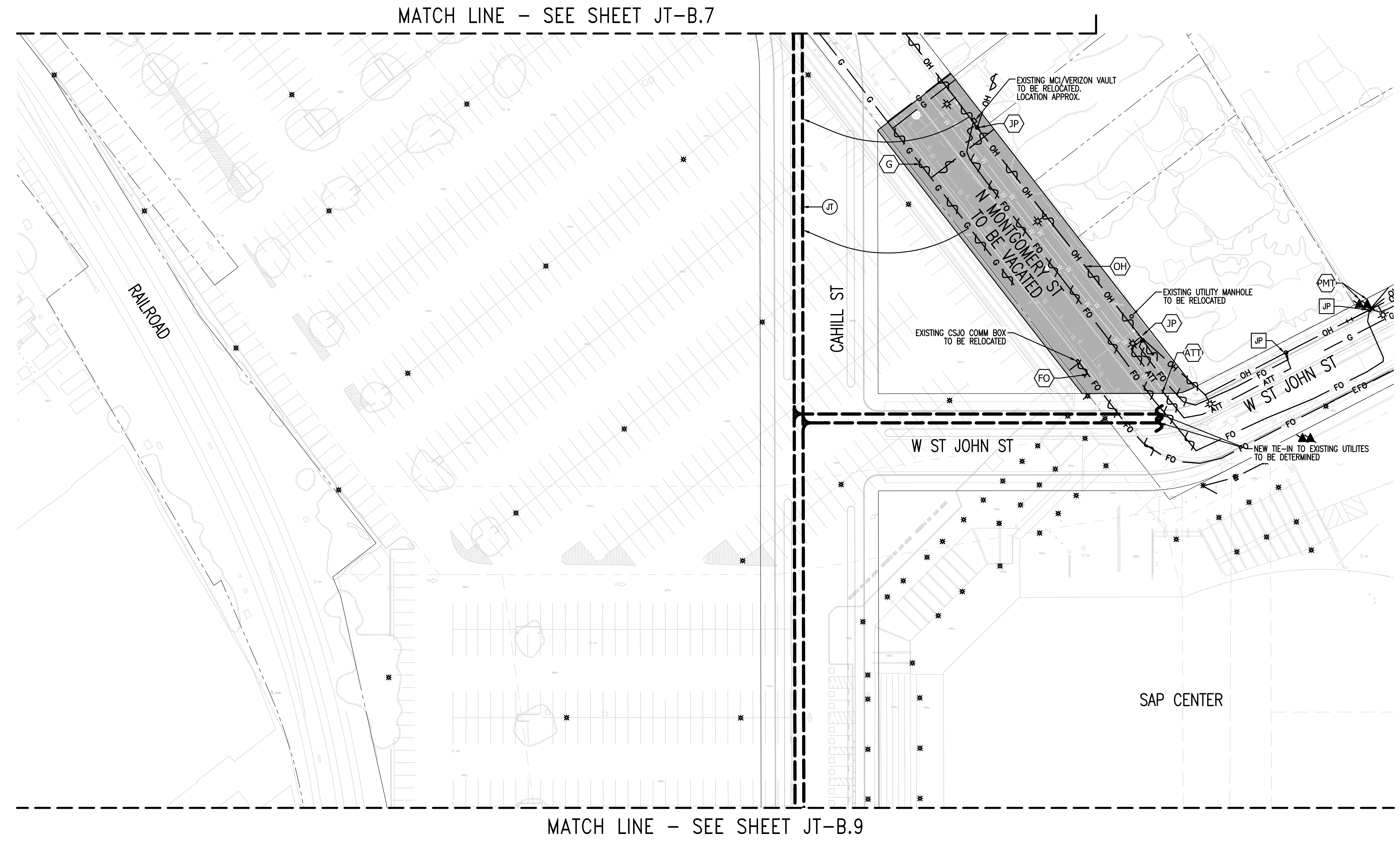
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

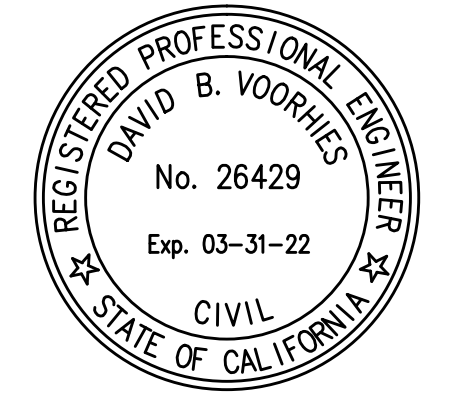
LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-8006.

DATE:	
REVISION:	
DETAILED NO.:	

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

CALIFORNIA

SAN JOSE

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel: (925) 269-4575

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

DRAWING NUMBER:
JT-B.8

SHEET: 8 OF 20

DRAWING NAME: J:\projects\projects\2020\20-1072\JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOTTED BY: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊕	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
⋈	EXISTING OVERHEAD LINE TO BE REMOVED
⋈	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⋈	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⋈	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING JOINT POLE TO BE REMOVED
⋈	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

DATE:	
REVISION:	
DETAILED NO.:	

RADIUS DESIGN, LLC
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

CALIFORNIA

SAN JOSE

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

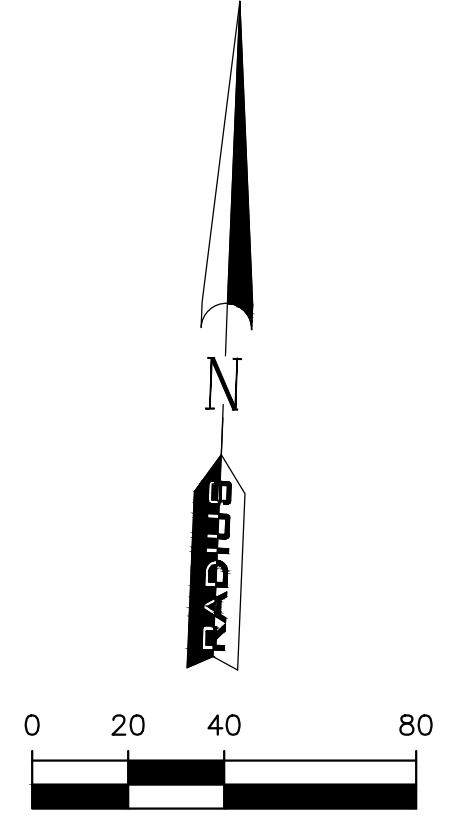
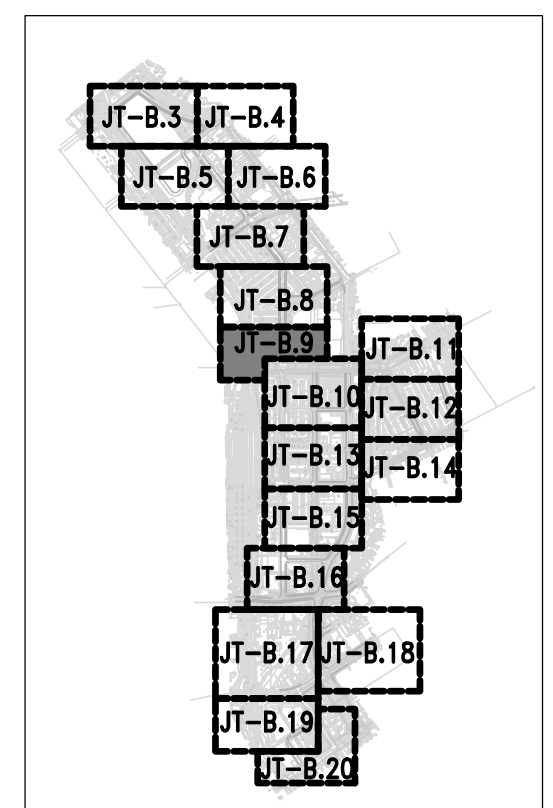
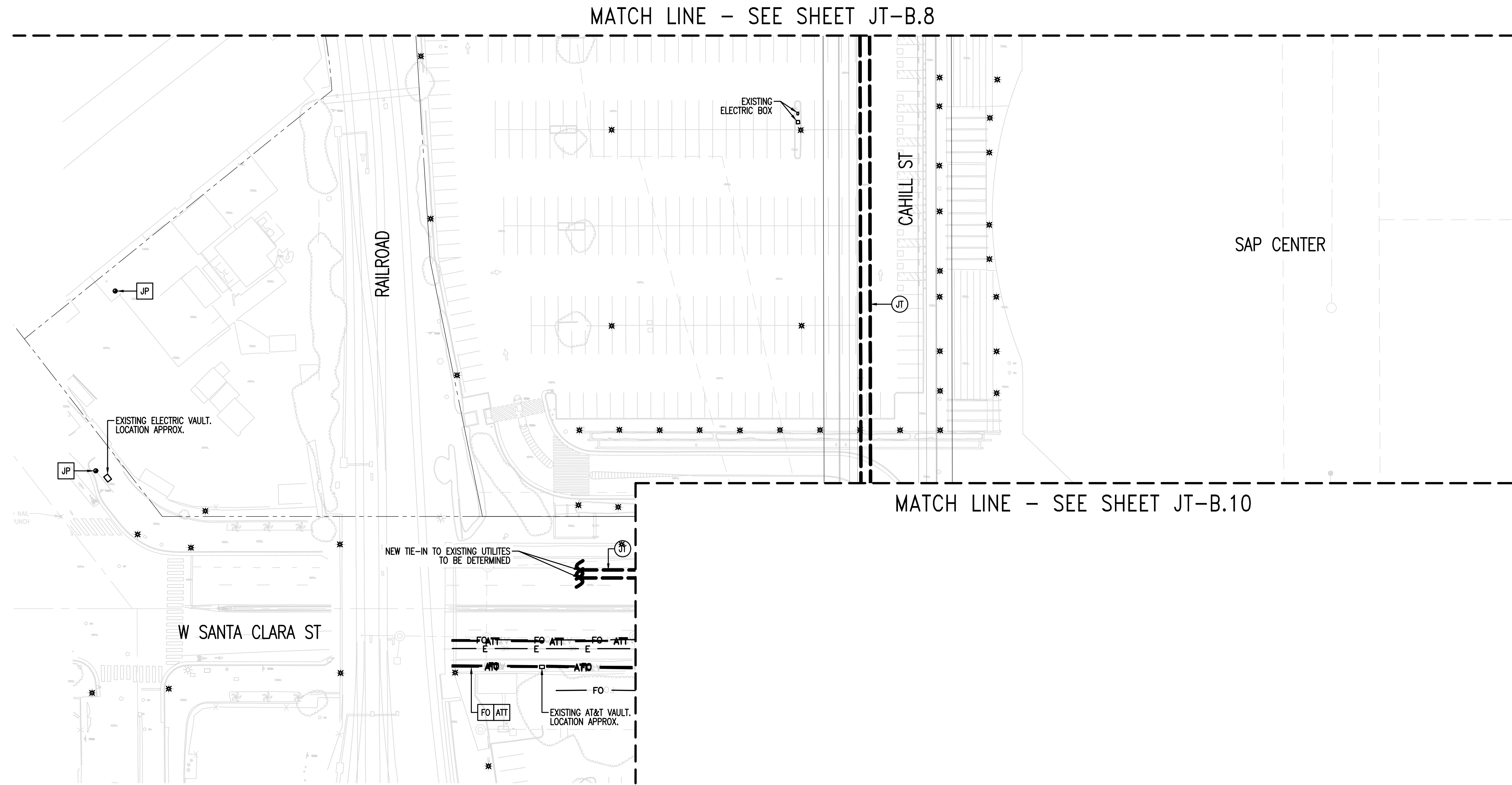
DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

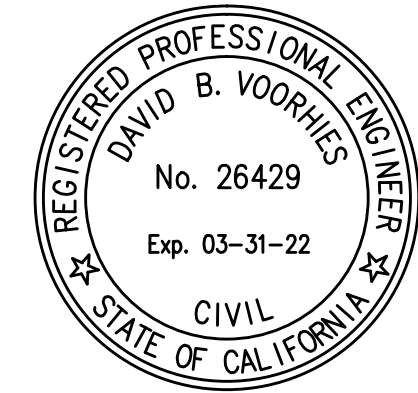
DRAWING NUMBER:
JT-B.9

SHEET: 9 OF 20



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-8006.

DRAWING NAME: J:\projects\projects\2020\20-1072\JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOT BY: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

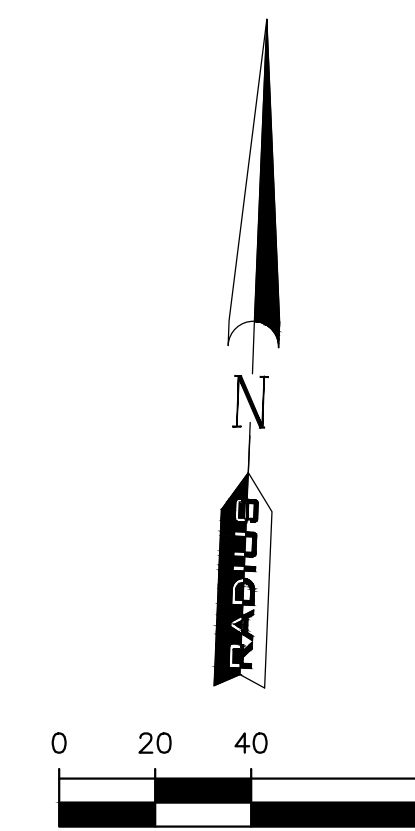
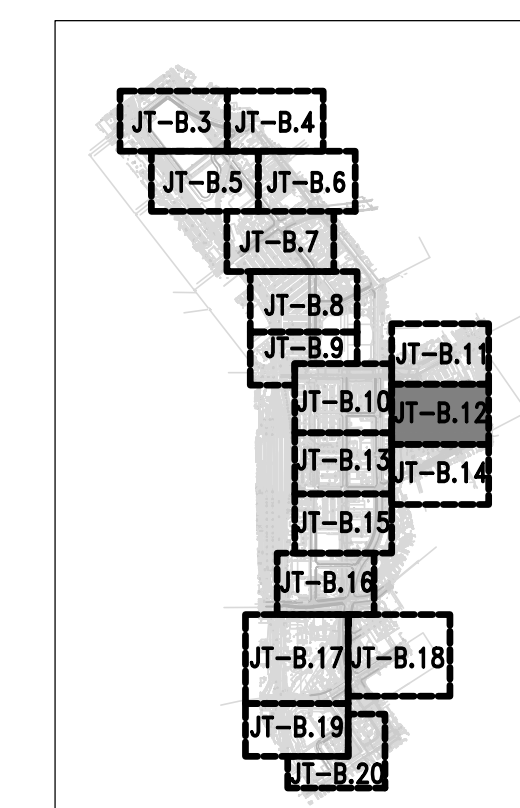
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT

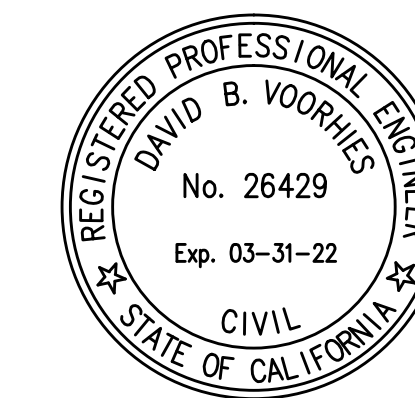
NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PC&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PC&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PC&E BULLETIN TD-062288-8006.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



DATE:	
REVISION:	
DETAILED NO.:	

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel: (925) 269-4575

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

DRAWING NUMBER:
JT-B.12

SHEET: 12 OF 20

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

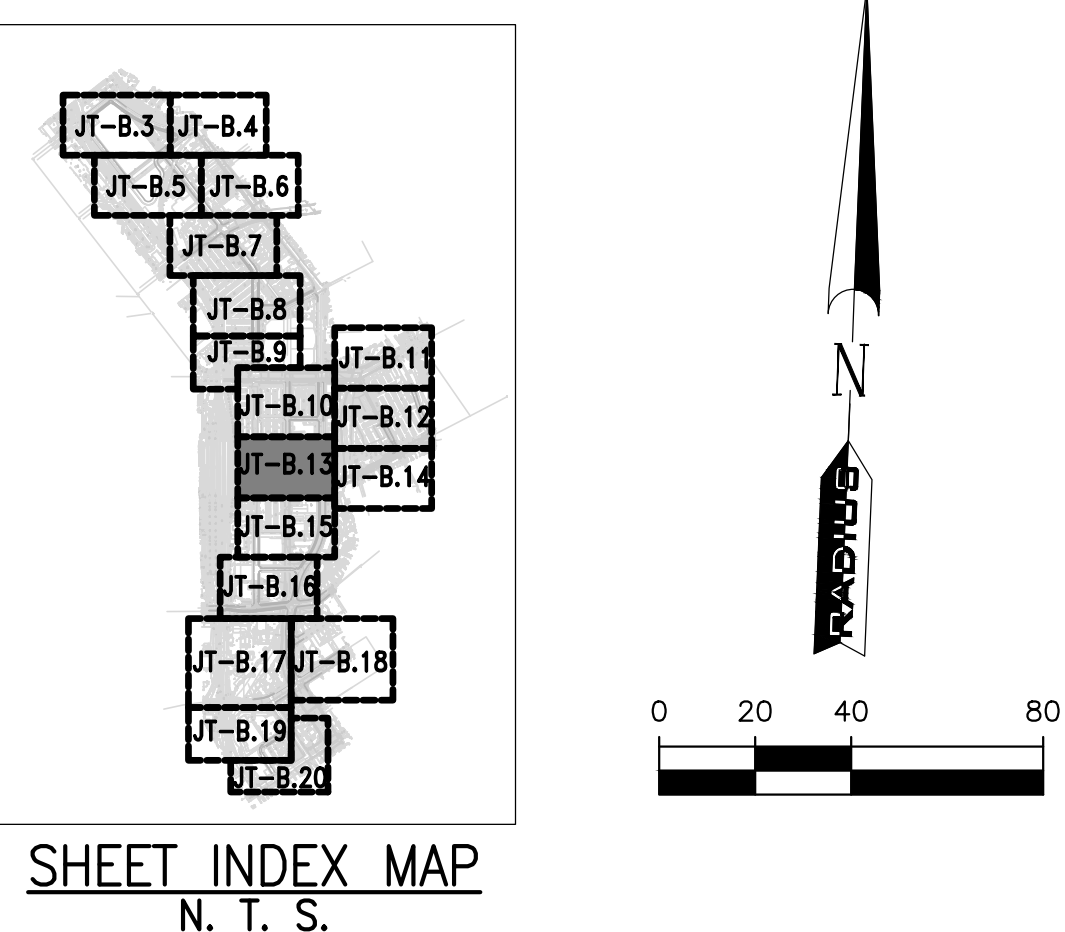
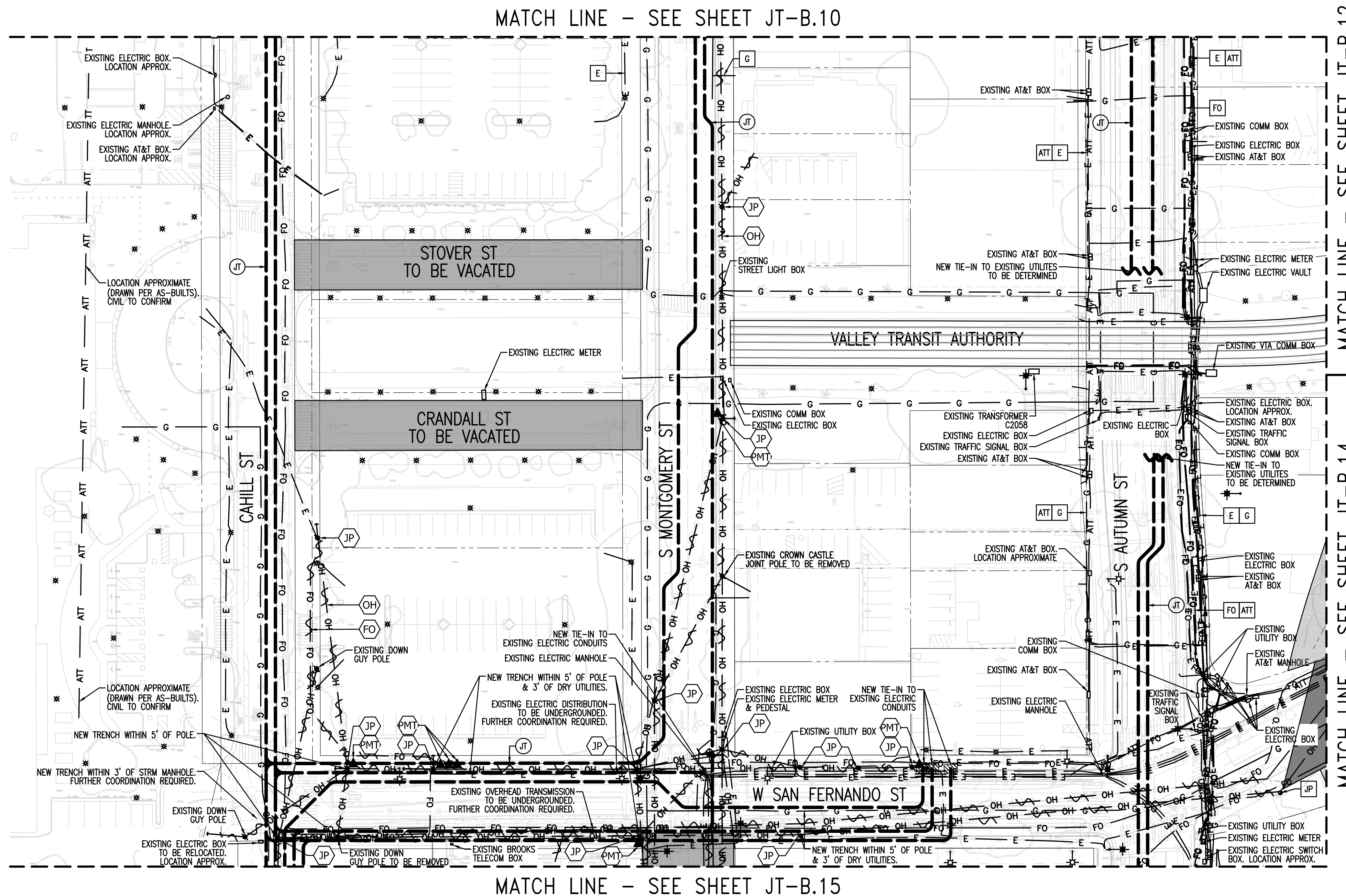
**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
(Symbol)	JOINT TRENCH
(Symbol)	OVERHEAD LINES
(Symbol)	ELECTRIC LINES
(Symbol)	GAS LINES
(Symbol)	AT&T LINES
(Symbol)	CATV LINES
(Symbol)	FIBER OPTIC LINES
(Symbol)	JOINT POLE
(Symbol)	POLE-MOUNTED TRANSFORMER
(Symbol)	DECORATIVE LIGHT
(Symbol)	STREET LIGHT
(Symbol)	TRAFFIC SIGNAL LIGHT
(Symbol)	EXISTING OVERHEAD LINE TO BE REMOVED
(Symbol)	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
(Symbol)	EXISTING GAS LINE TO BE REMOVED/RELOCATED
(Symbol)	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
(Symbol)	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
(Symbol)	EXISTING JOINT POLE TO BE REMOVED
(Symbol)	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PC&E UTILITY BULLETIN TD-7001B-005
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

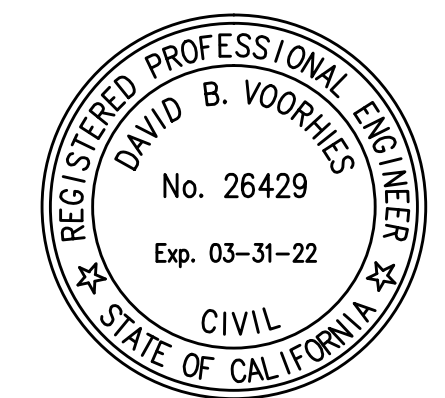
SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PC&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PC&E BULLETIN TD-062288-8006.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only

SHEET INDEX

JT-B.1	JOINT TRENCH TITLE SHEET
JT-B.2	OVERALL
JT-B.3 THRU B.20	JOINT TRENCH INTENT



DATE:	
REVISION:	
DATE:	
REVISION:	

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

PROJECT NUMBER:
20-1072
SCALE:
1" = 40'
PROJECT MANAGER:
SCOTT HARDESTER
DRAWN BY:
HENRY NGUYEN
CHECKED BY:
CRAIG BURTON
LAST UPDATED:
09-08-2020
DRAWING NUMBER:
JT-B.13
SHEET: 13 OF 20

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

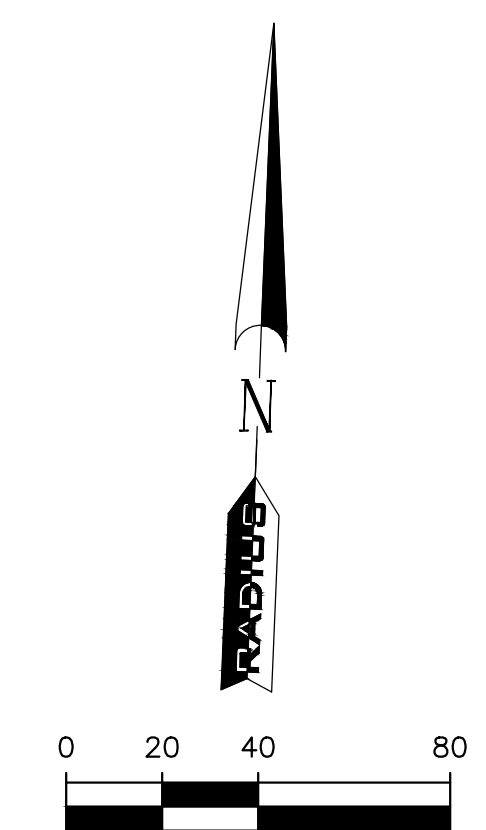
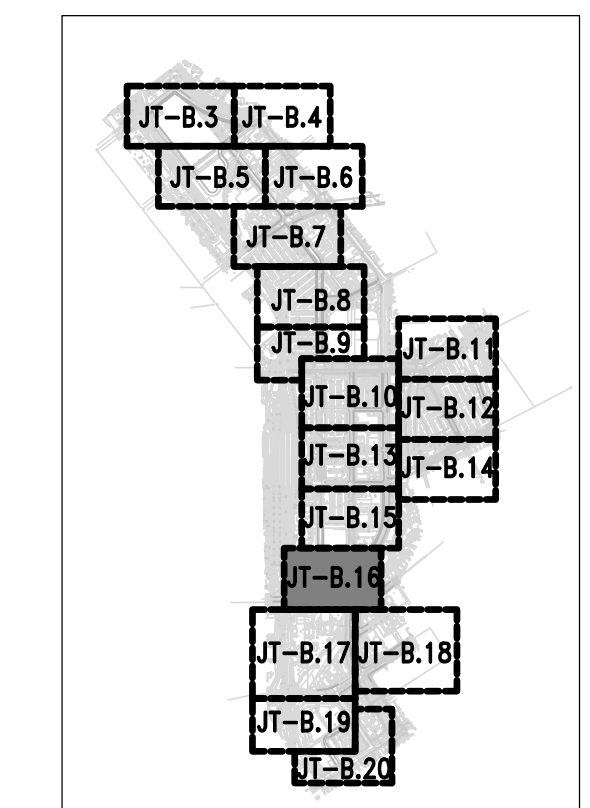
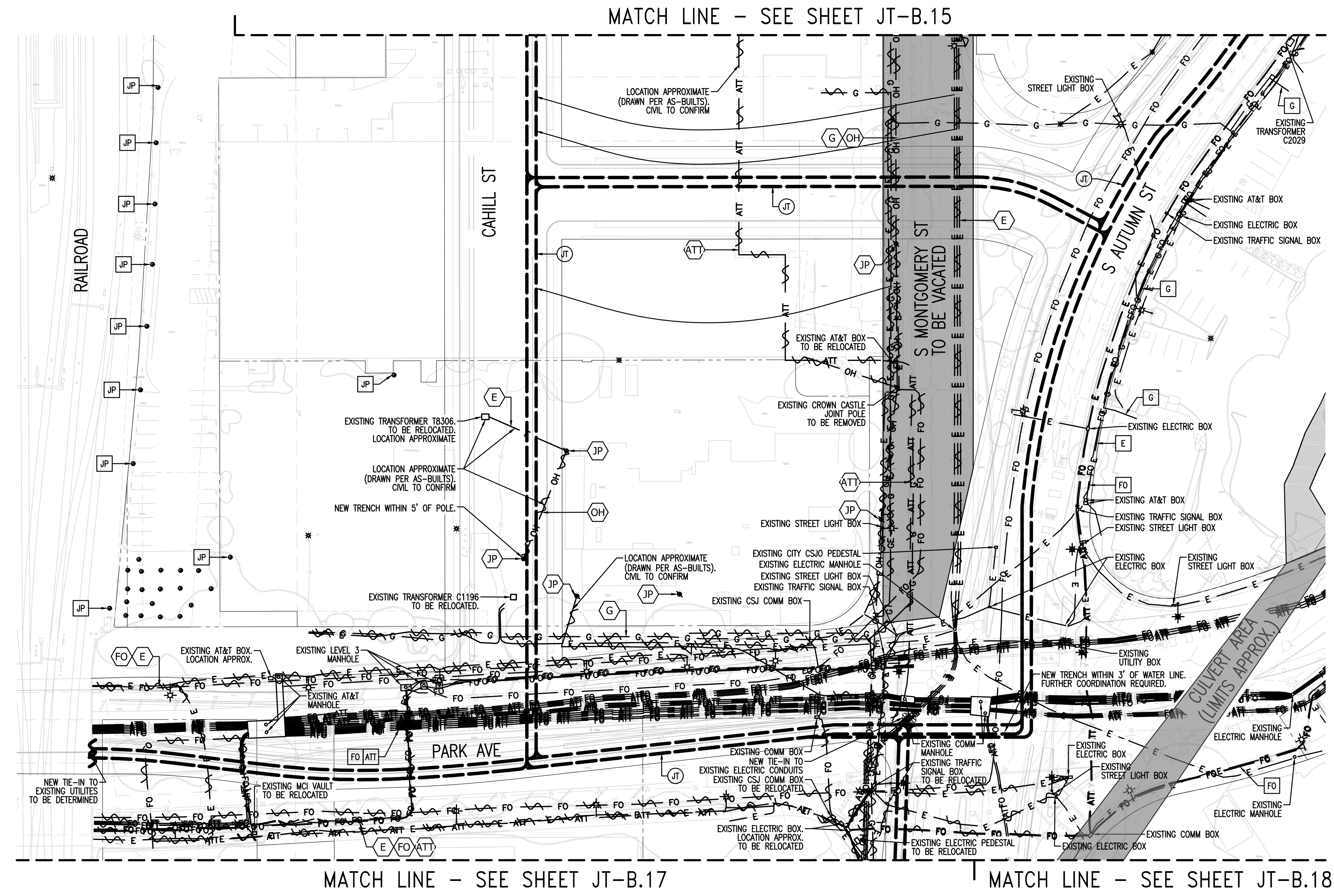
**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

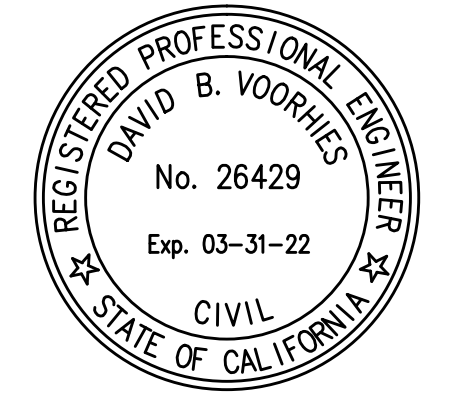
LEGEND:

NEW	DESCRIPTION
⊕	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊛	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU JT-B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PC&E UTILITY BULLETIN TD-7001B-005
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PC&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PC&E BULLETIN TD-062288-8006.

DATE: _____

REVISION: _____

DELTA NO: _____

CALIFORNIA PROFESSIONAL ENGINEERING SEAL

CALIFORNIA

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

PROJECT NUMBER:
20-1072

SCALE:
1" = 40'

PROJECT MANAGER:
SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
09-08-2020

DRAWING NUMBER:
JT-B.16

SHEET: 16 OF 20

DRAWING NAME: J:\projects\2020\20-1072\1072_JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOT BY: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

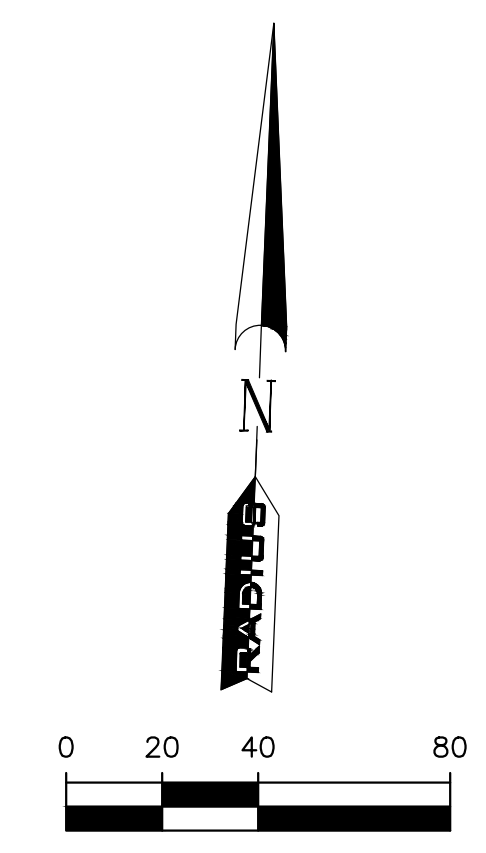
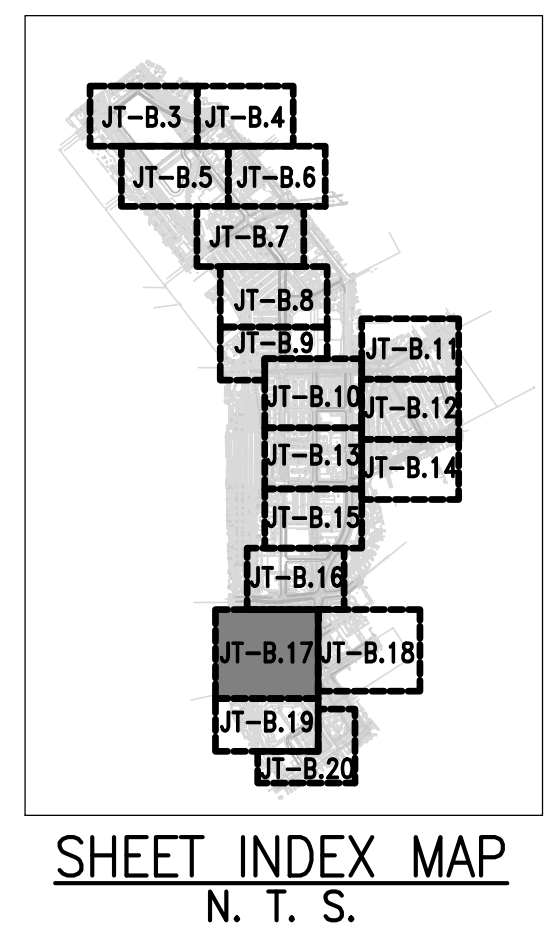
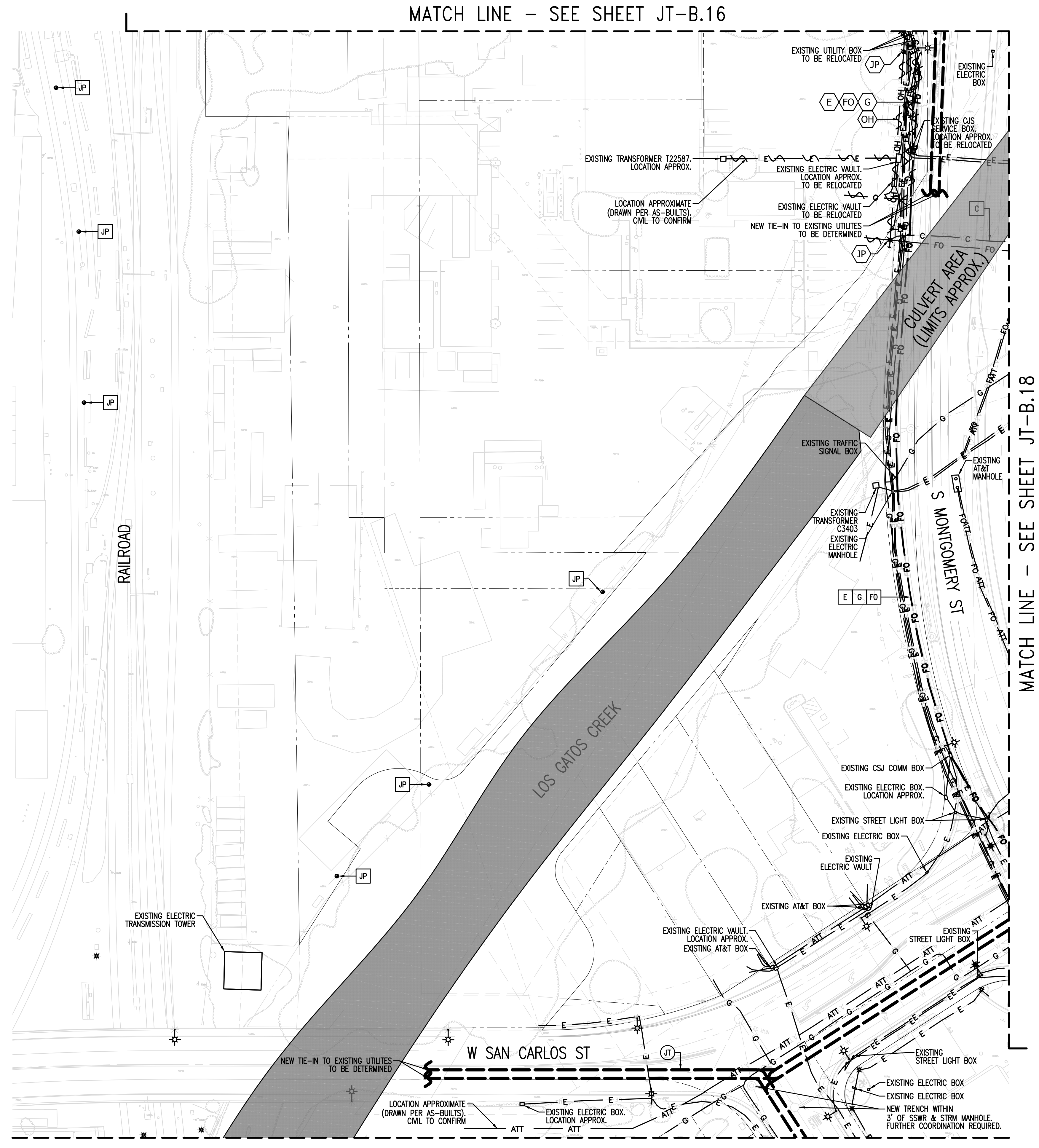
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

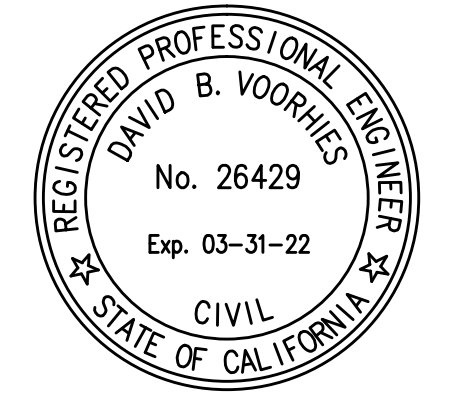
NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT



NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only

DRAWING NAME: J:\projects\2020\20-1072\20-1072_JT-B.17.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOT BY: HENRY

DATE: _____
REVISION: _____
DATE: _____
DATE: _____

CALIFORNIA PROFESSIONAL ENGINEER
DAVID B. VOORHIES
No. 26429
Exp. 03-31-22
CIVIL
STATE OF CALIFORNIA

CALIFORNIA

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel: (925) 269-4575

PROJECT NUMBER:
20-1072
SCALE:
1" = 40'
PROJECT MANAGER:
SCOTT HARDESTER
DRAWN BY:
HENRY NGUYEN
CHECKED BY:
CRAIG BURTON
LAST UPDATED:
09-08-2020
DRAWING NUMBER:
JT-B.17
SHEET: 17 OF 20

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

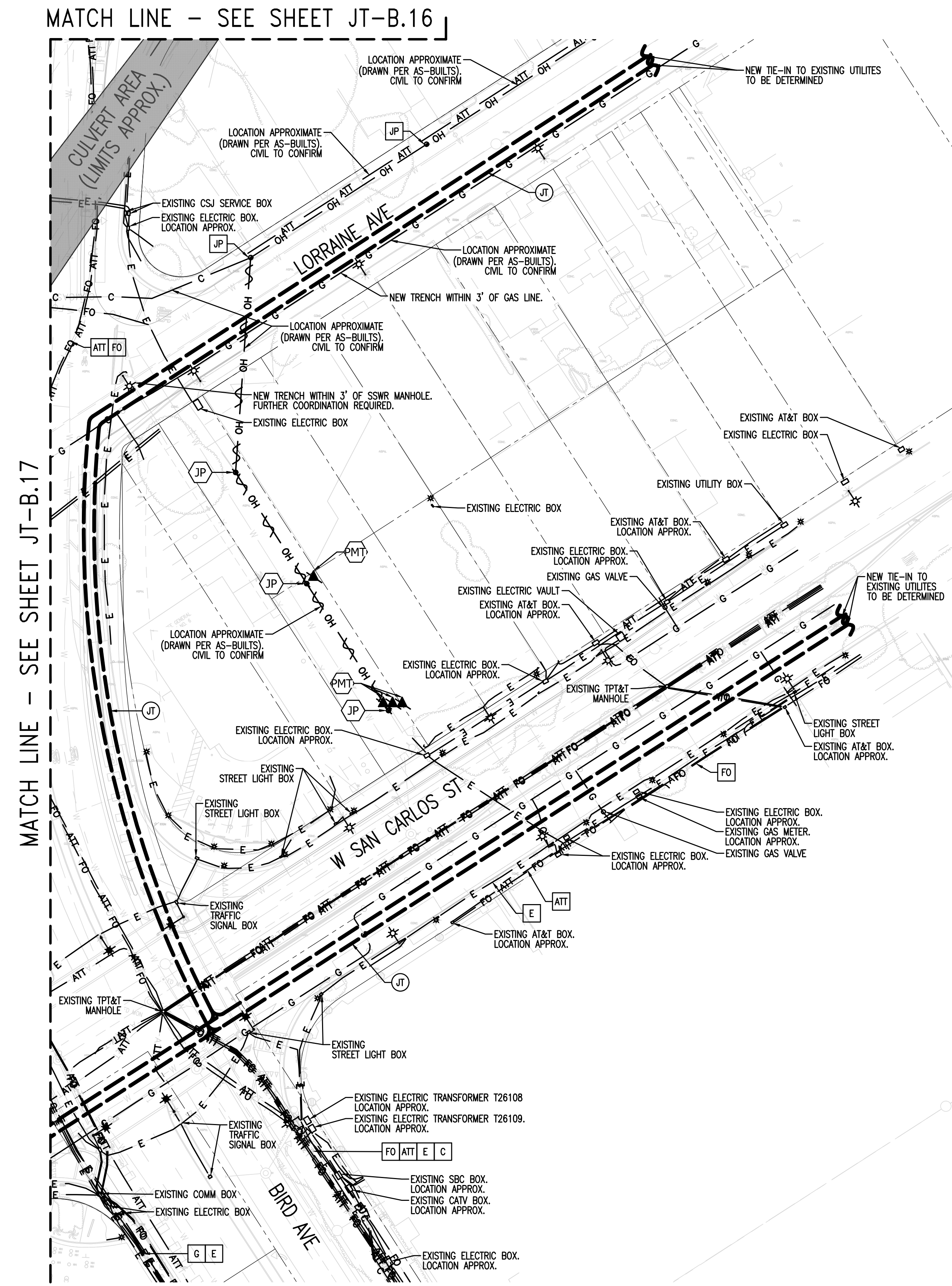
**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
⋈	EXISTING OVERHEAD LINE TO BE REMOVED
⋈	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⋈	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⋈	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING JOINT POLE TO BE REMOVED
⋈	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



DRAWING NAME: J:\projects\projects\2020\20-1072_20-1072_JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOTTER: HENRY

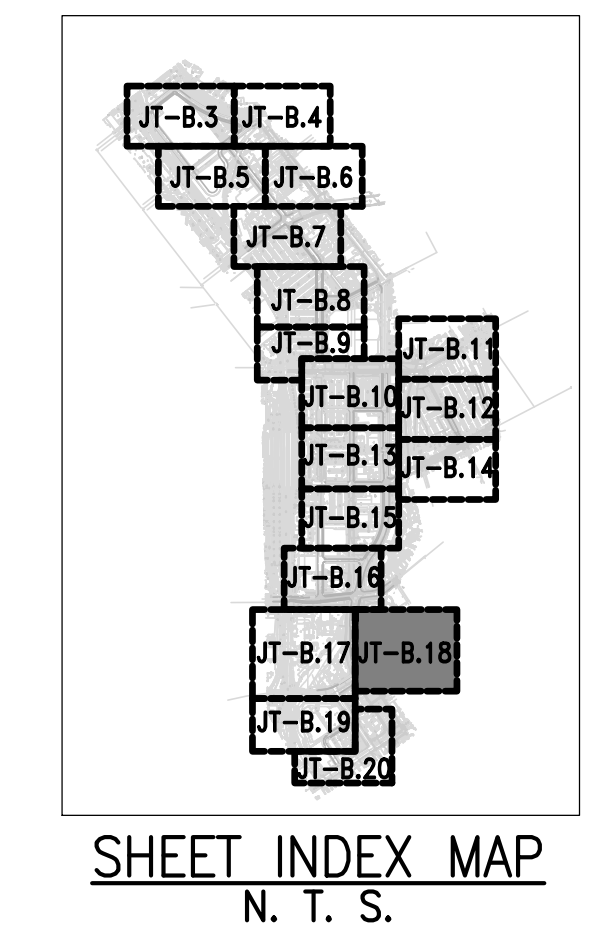
NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PC&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

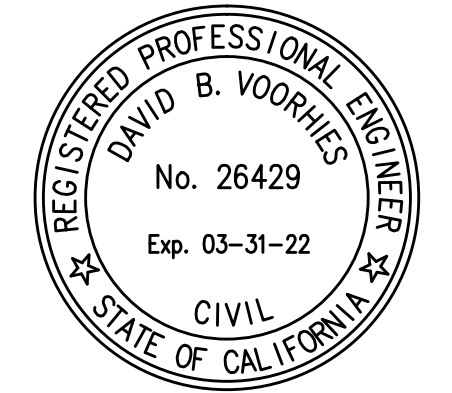
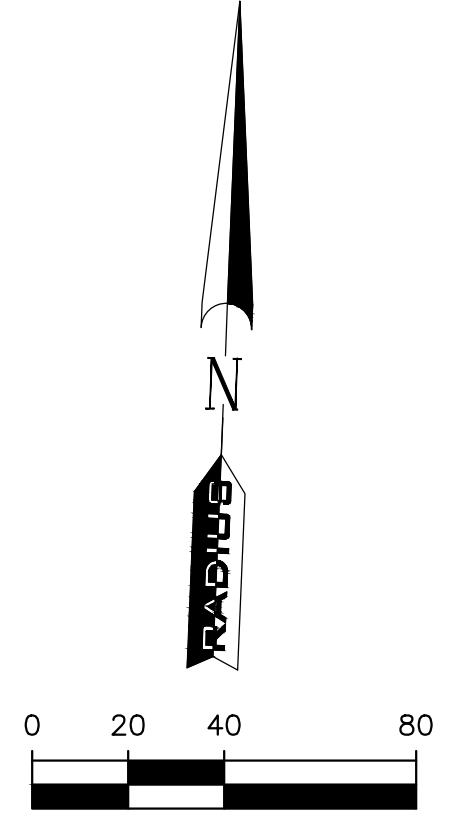
SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PC&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PC&E BULLETIN TD-062288-8006.

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT



<p>DATE: _____</p> <p>REVISION: _____</p> <p>DATE: _____</p> <p>REVISION: _____</p>	<p style="text-align: center;">CALIFORNIA REGISTERED PROFESSIONAL ENGINEER DAVID B. VOORVIES No. 26429 Exp. 03-31-22 CIVIL</p>
<p>RADIUS DESIGN LLC UTILITY DESIGN CONSULTANTS & ENGINEERS 1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596 Tel: (925) 269-4575</p>	
<p>PROJECT NUMBER: 20-1072 SCALE: 1" = 40' PROJECT MANAGER: SCOTT HARDESTER DRAWN BY: HENRY NGUYEN CHECKED BY: CRAIG BURTON LAST UPDATED: 09-08-2020 DRAWING NUMBER: JT-B.18 SHEET: 18 OF 20</p>	
<p>JOINT TRENCH INTENT Interim Final Draft DOWNTOWN WEST San Jose, California</p>	

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

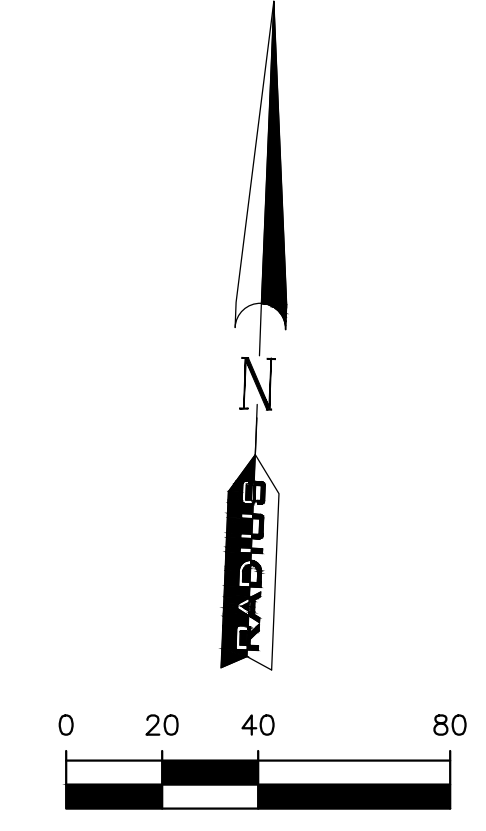
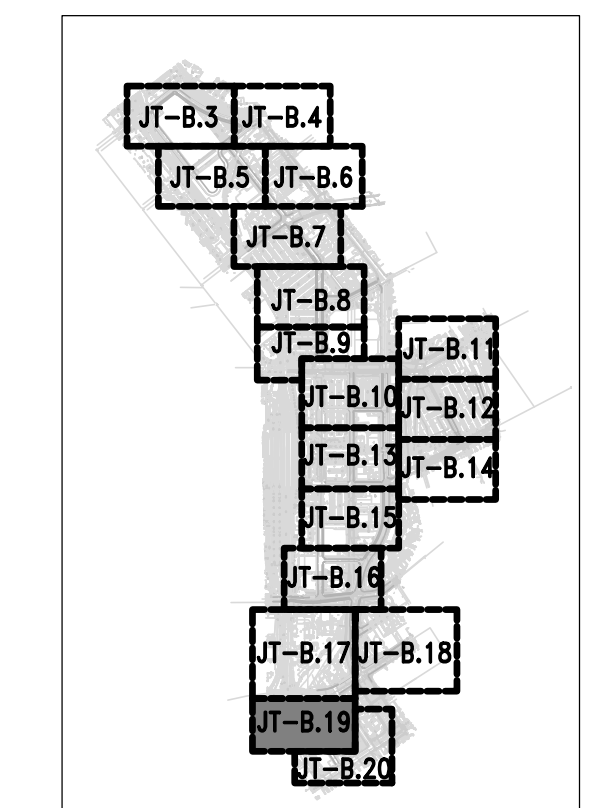
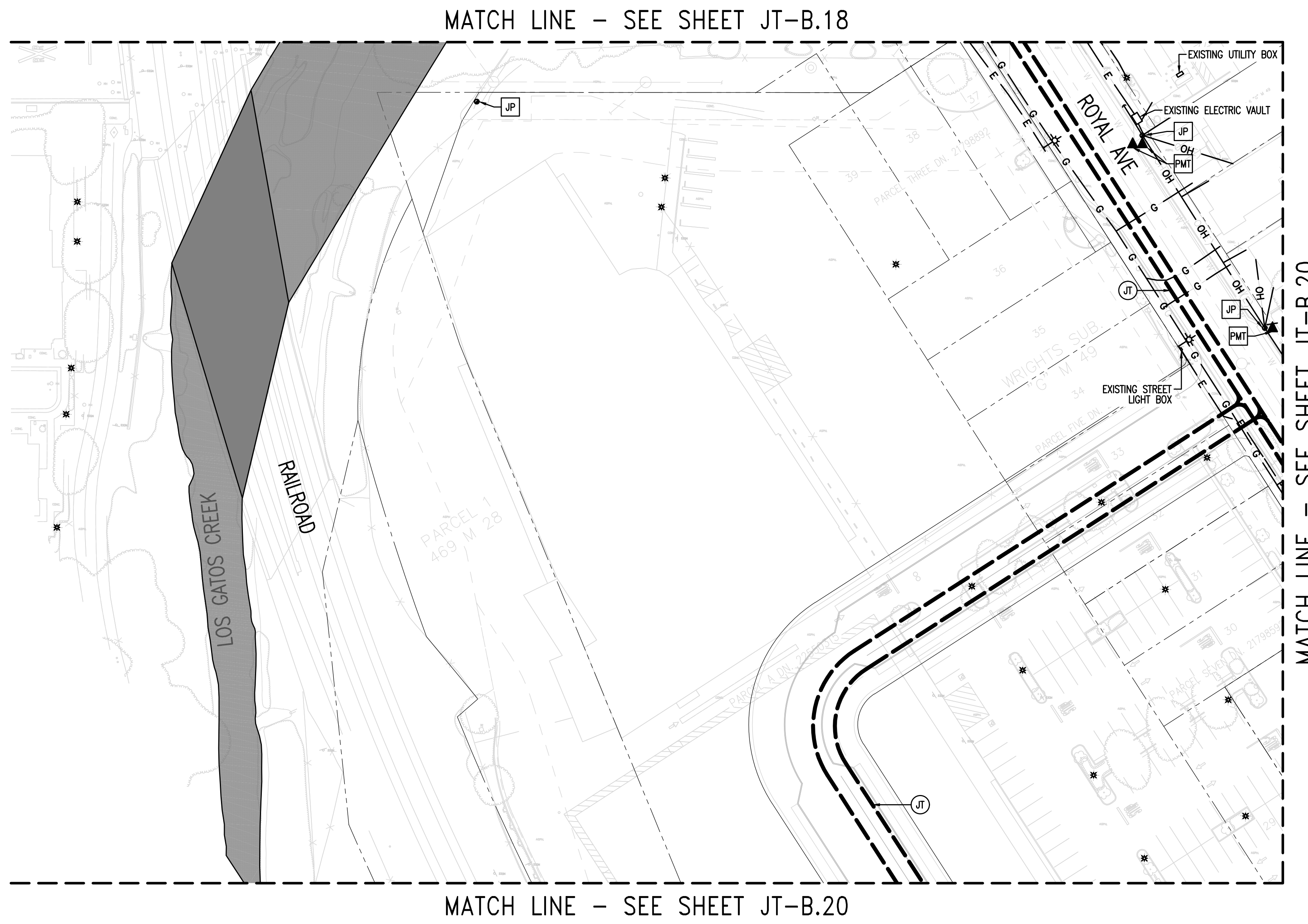
**-PRELIMINARY-
NOT FOR CONSTRUCTION**

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

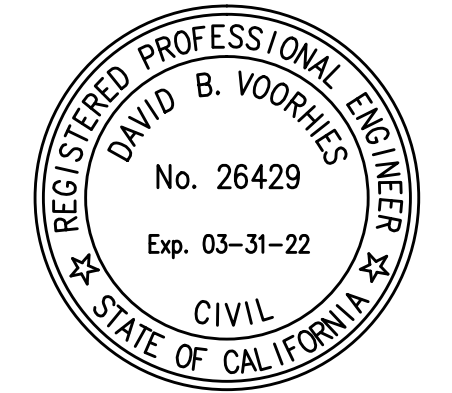
LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊕	STREET LIGHT
⊕	TRAFFIC SIGNAL LIGHT
OH	EXISTING OVERHEAD LINE TO BE REMOVED
E	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
G	EXISTING GAS LINE TO BE REMOVED/RELOCATED
ATT	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
FO	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
●	EXISTING JOINT POLE TO BE REMOVED
▲	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND
VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A
LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE
SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-8006.

DATE:	
REVISION:	
DETAILED NO.:	
CALIFORNIA JOINT TRENCH INTENT Interim Final Draft DOWNTOWN WEST San Jose, California	
RADIUS DESIGN LLC UTILITY DESIGN CONSULTANTS & ENGINEERS 1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596 Tel: (925) 269-4575	
PROJECT NUMBER:	20-1072
SCALE:	1" = 40'
PROJECT MANAGER:	SCOTT HARDESTER
DRAWN BY:	HENRY NGUYEN
CHECKED BY:	CRAIG BURTON
LAST UPDATED:	09-08-2020
DRAWING NUMBER:	JT-B.19
SHEET:	19 OF 20

DRAWING NAME: J:\projects\projects\2020\20-1072_JT-B.1.dwg
 PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
 PLOTTED BY: HENRY

UTILITIES
PLEASE CONFIRM
TIE IN LOCATIONS

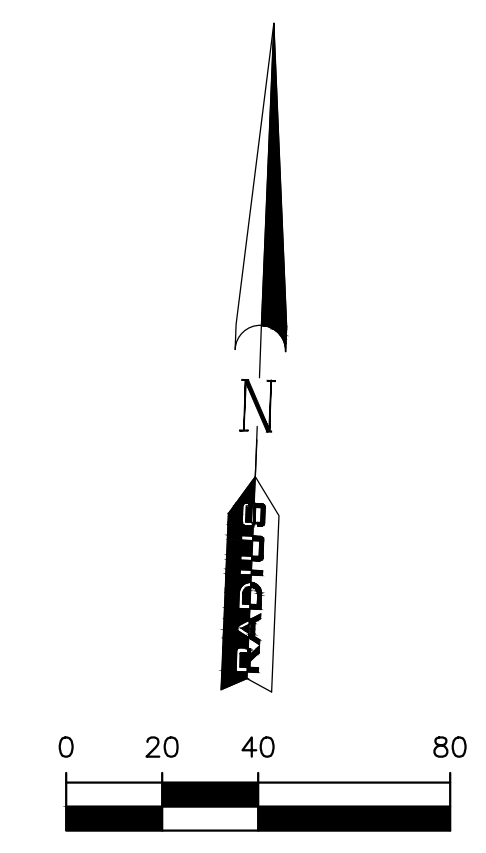
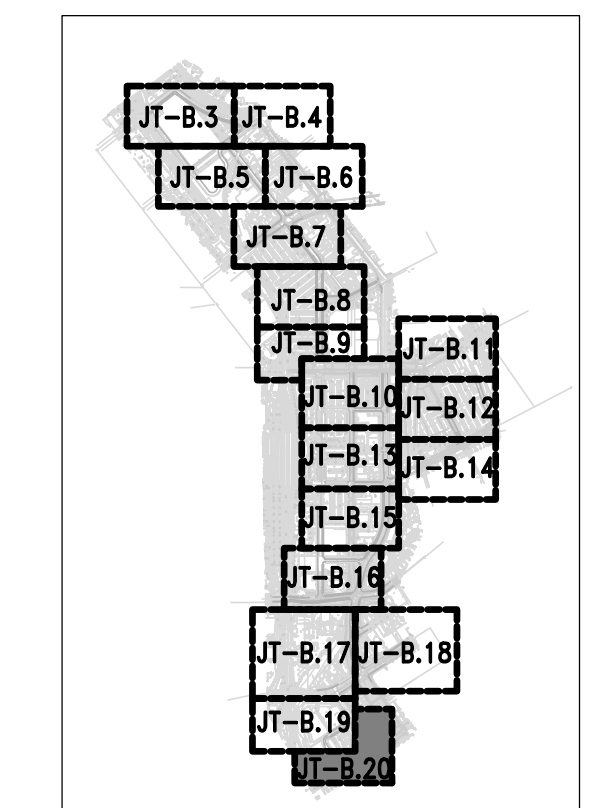
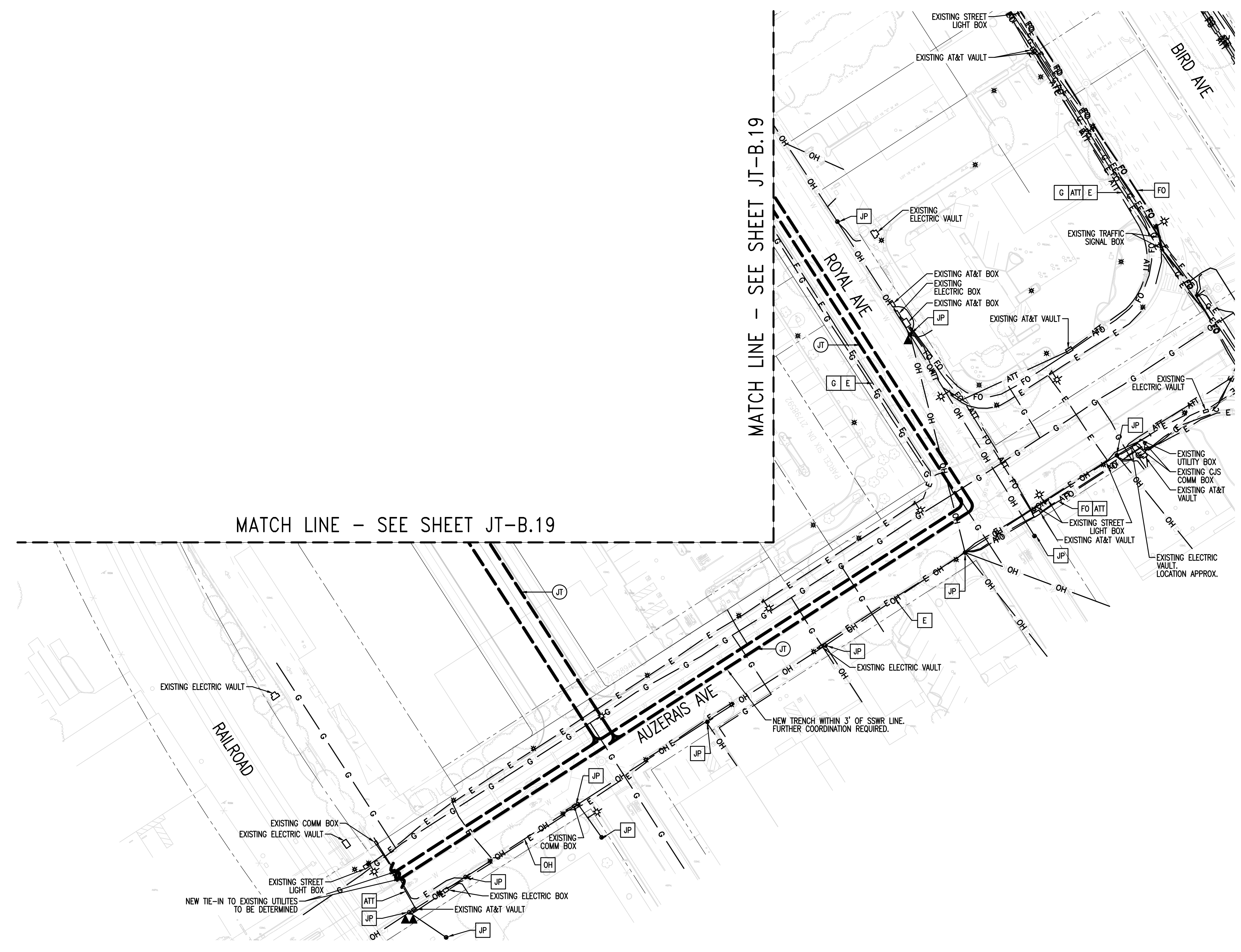
-PRELIMINARY-
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY
UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR:
FOR CONTRACTOR'S WORK RESPONSIBILITY,
REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

NEW	DESCRIPTION
Ⓞ	JOINT TRENCH
EXISTING	DESCRIPTION
OH	OVERHEAD LINES
E	ELECTRIC LINES
G	GAS LINES
ATT	AT&T LINES
C	CATV LINES
FO	FIBER OPTIC LINES
●	JOINT POLE
▲	POLE-MOUNTED TRANSFORMER
*	DECORATIVE LIGHT
⊙	STREET LIGHT
⊙	TRAFFIC SIGNAL LIGHT
⋈	EXISTING OVERHEAD LINE TO BE REMOVED
⋈	EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING GAS LINE TO BE REMOVED/RELOCATED
⋈	EXISTING PHONE LINE TO BE REMOVED/RELOCATED
⋈	EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED
⋈	EXISTING JOINT POLE TO BE REMOVED
⋈	EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED



SHEET INDEX
JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

CPRA Confidential Treatment Request,
Not for Public Release - CPRA Exempt,
Confidential and Proprietary Business /
Siting Information, Pre-Decisional Draft
- For Review Only



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-8006.

DATE: _____

REVISION: _____

DELTA NO: _____

CALIFORNIA PROFESSIONAL ENGINEERING SEAL

CALIFORNIA

JOINT TRENCH INTENT
Interim Final Draft
DOWNTOWN WEST
San Jose, California

SAN JOSE

RADIUS DESIGN LLC
UTILITY DESIGN CONSULTANTS & ENGINEERS
1480 MARIA LANE, SUITE 420, WALNUT CREEK, CA 94596
Tel (925) 269-4575

PROJECT NUMBER: 20-1072

SCALE: 1" = 40'

PROJECT MANAGER: SCOTT HARDESTER

DRAWN BY: HENRY NGUYEN

CHECKED BY: CRAIG BURTON

LAST UPDATED: 09-08-2020

DRAWING NUMBER: **JT-B.20**

SHEET: 20 OF 20

DRAWING NAME: J:\projects\projects\2020\20-1072\JT-B.1.dwg
PLOT DATE: Wednesday, September 2, 2020 2:56:34 PM
PLOTTER: HENRY