

APPENDIX H: TRACK SHIFT WORKS

**CALIFORNIA HIGH SPEED TRAIN PROJECT
CONSTRUCTABILITY ANALYSIS**

**APPENDIX I. CONSTRUCTION PHASES ALTERNATIVE 4.
PLAN, SCHEMES, PROFILE AND SECTIONS**

December 2018

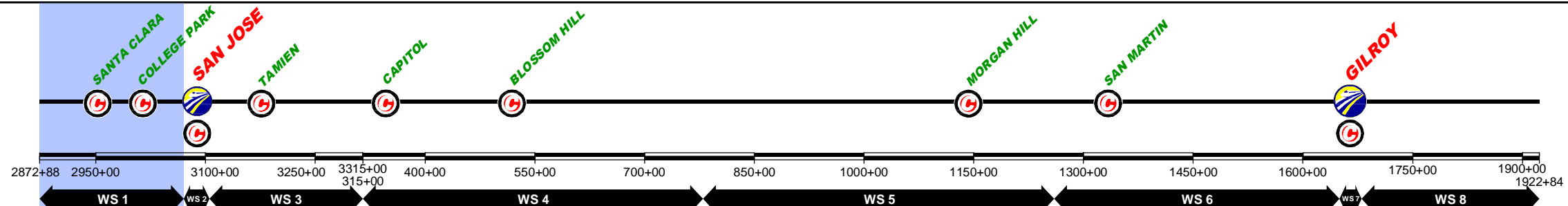
APPENDIX I. CONSTRUCTION PHASES ALTERNATIVE 4. PLAN, SCHEMES, PROFILE AND SECTIONS

Index

- WS 1. Section from Scott Boulevard to San Jose Station.
- WS 2. Section San Jose Station.
- WS 3. Section from San Jose Station to CP Lick.
- WS 4. Section from CP Lick to 725+00.
- WS 5. Section from 725+00 to 1265+00.
- WS 6. Section from 1265+00 to Gilroy Station.
- WS 7. Section Gilroy Station. 2027 Configuration
- WS 8. Section 1700+00 to 1922+90. 2027 Configuration

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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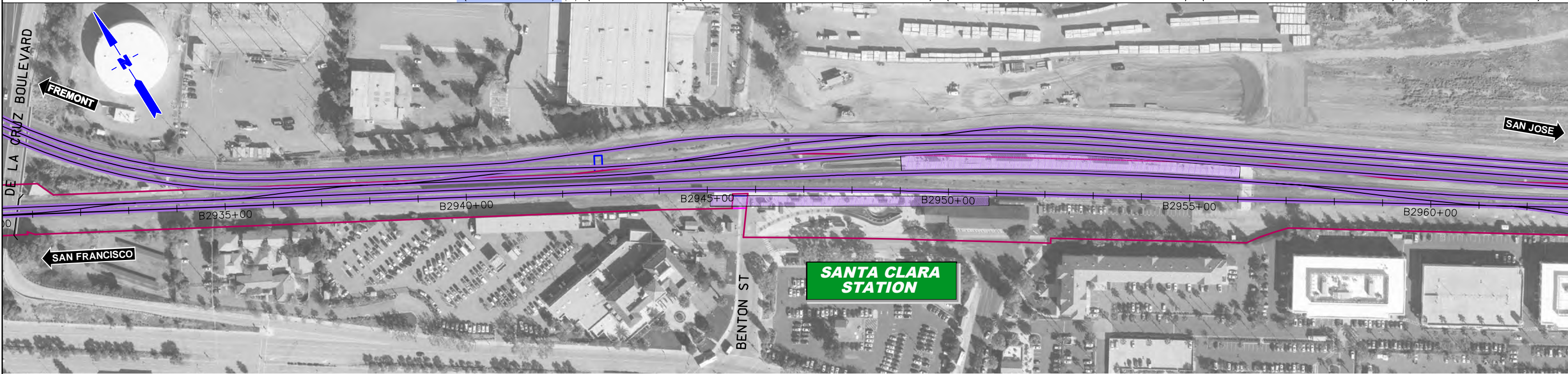
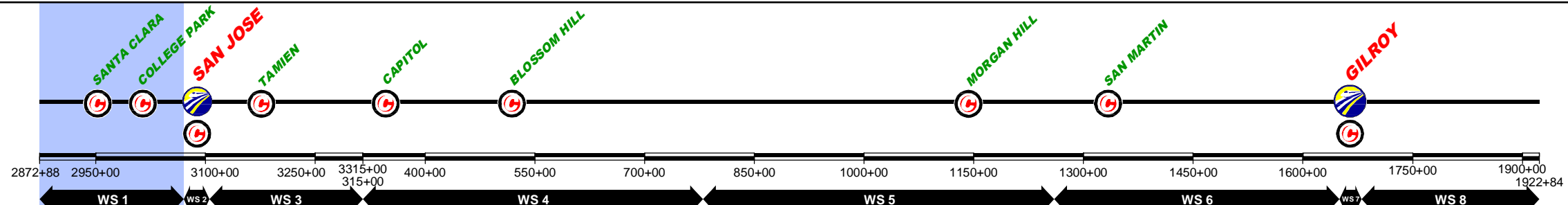
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 0

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH0-01
SCALE	1" = 200'
SHEET NO.	1 OF 4

	CURRENT TRACK		TRACK REMOVAL		EXISTING ROW
	PROVISIONAL TRACK		UNDER CONSTRUCTION		PROPOSED ROW
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		PROPOSED TCE
	UNDER CONST + CIRCULATION T.				

	OVERHEAD BRIDGE		GRADE CROSSING
	MAJOR UNDERPASS		TUNNEL
	CREEK UNDERPASS		



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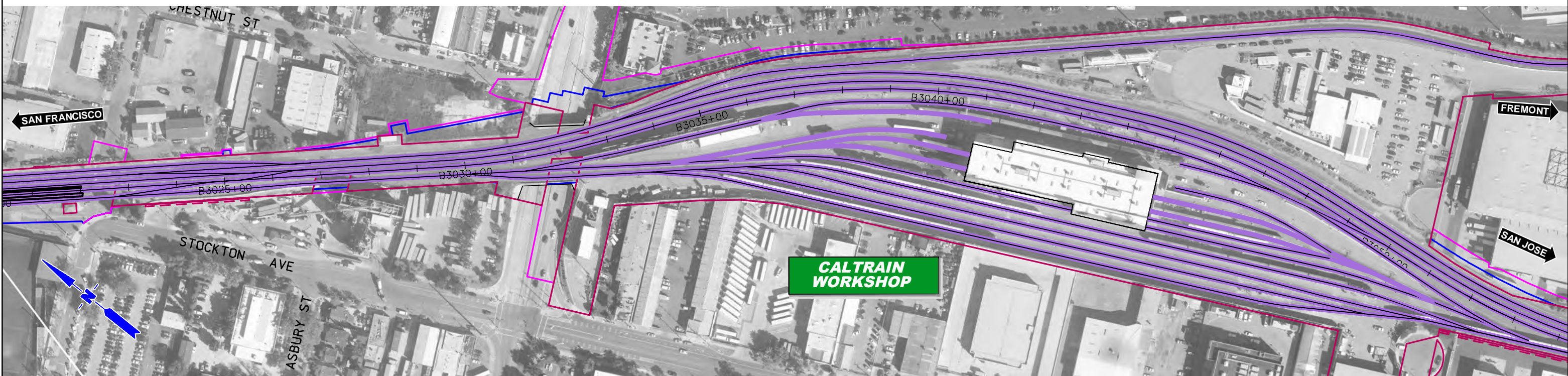
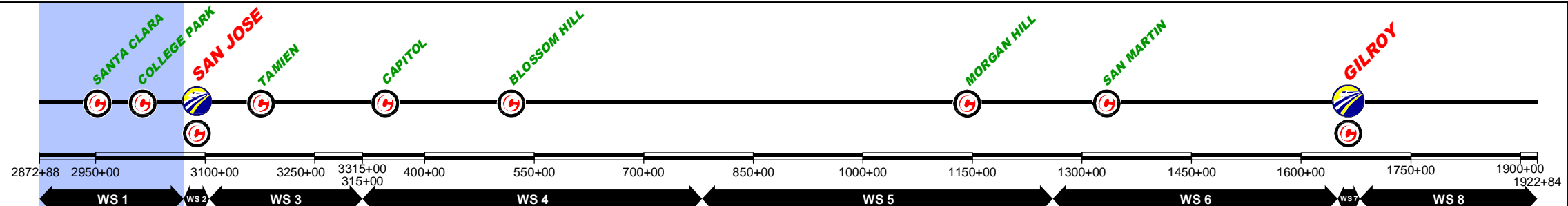
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SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 0

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PHO-02
SCALE	1" = 200'
SHEET NO.	2 OF 4

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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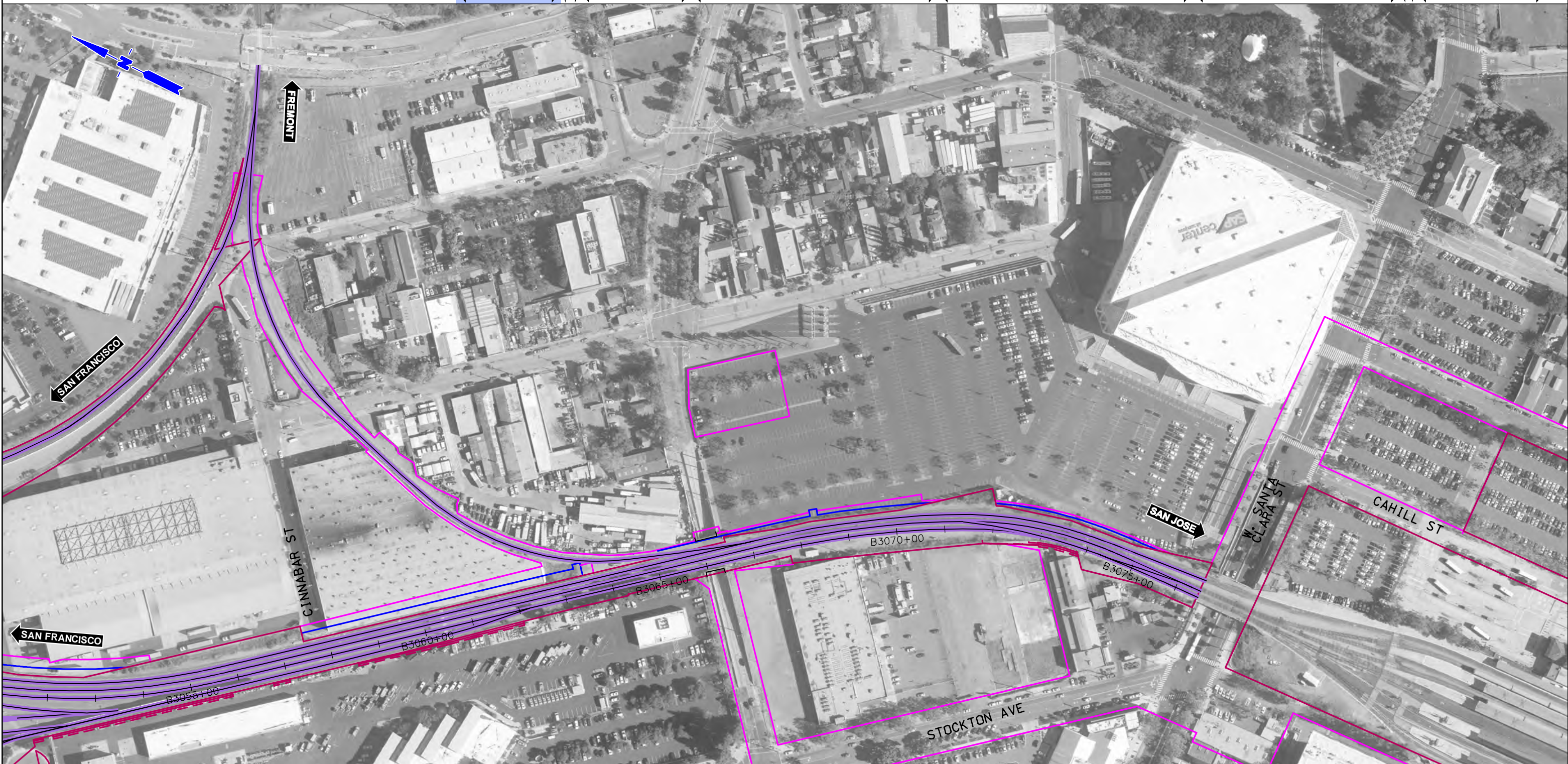
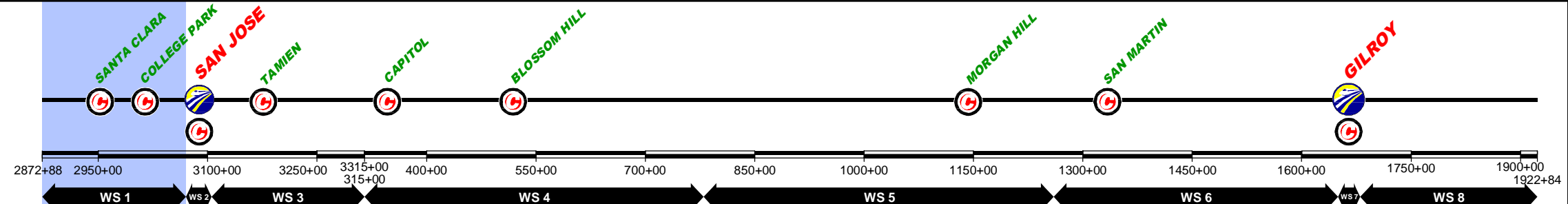
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SCALE	1" = 200'
SHEET NO.	3 OF 4

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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OVERHEAD BRIDGE	GRADE CROSSING
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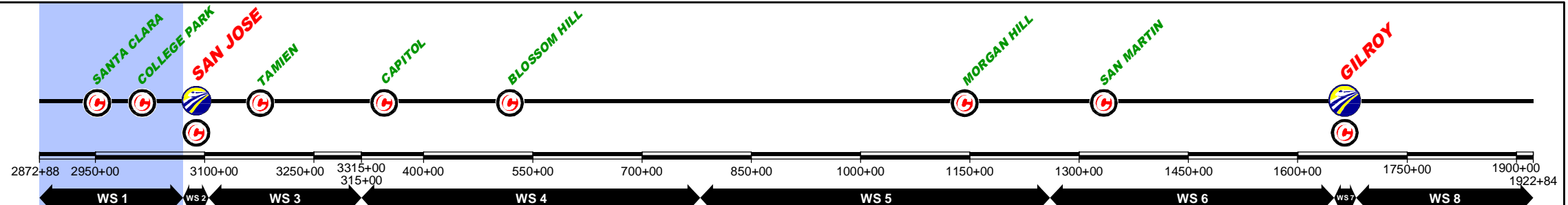
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CONTRACT NO.	
DRAWING NO.	CV-11WS1-PHO-04
SCALE	1" = 200'
SHEET NO.	4 OF 4

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CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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OVERHEAD BRIDGE	GRADE CROSSING	
MAJOR UNDERPASS	TUNNEL	
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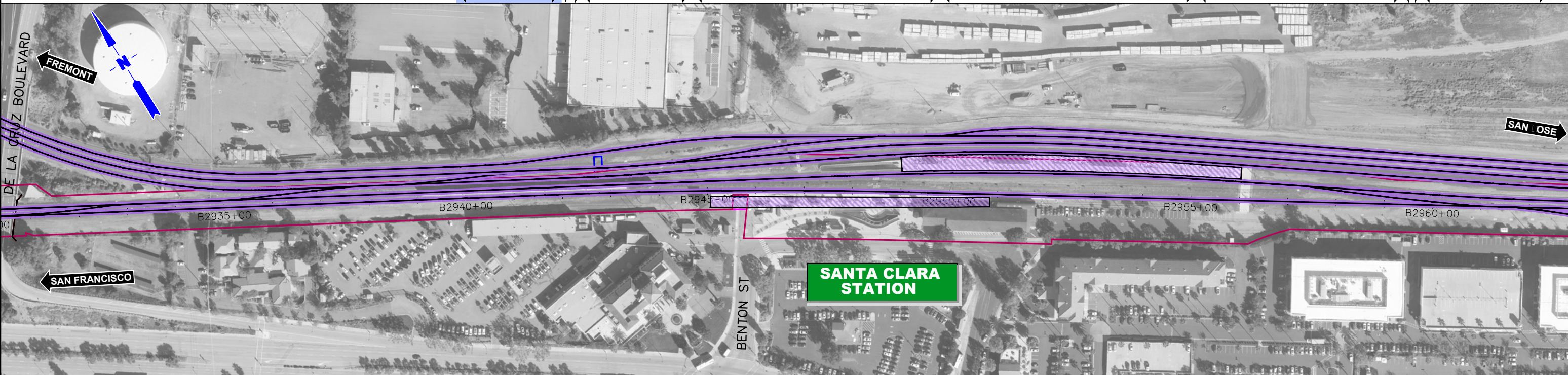
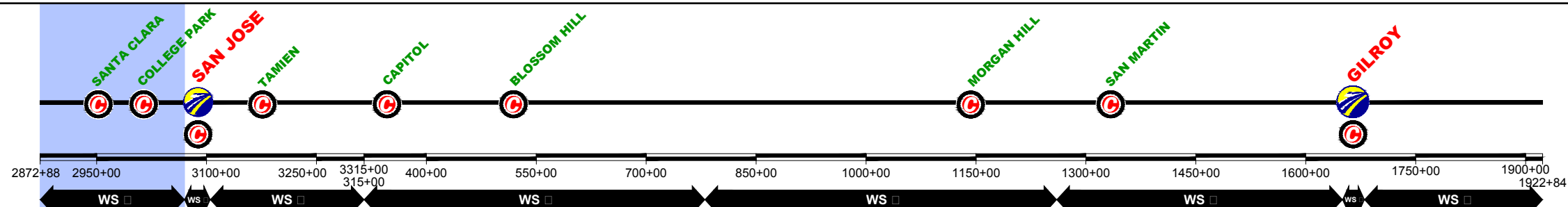
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1 OF 4

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	PROVISIONAL TRACK		UNDER CONSTRUCTION		PROPOSED ROW
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		PROPOSED TCE
	UNDER CONST + CIRCULATION T.		OVERHEAD BRIDGE		GRADE CROSSING
	MAJOR UNDERPASS		TUNNEL		CREEK UNDERPASS



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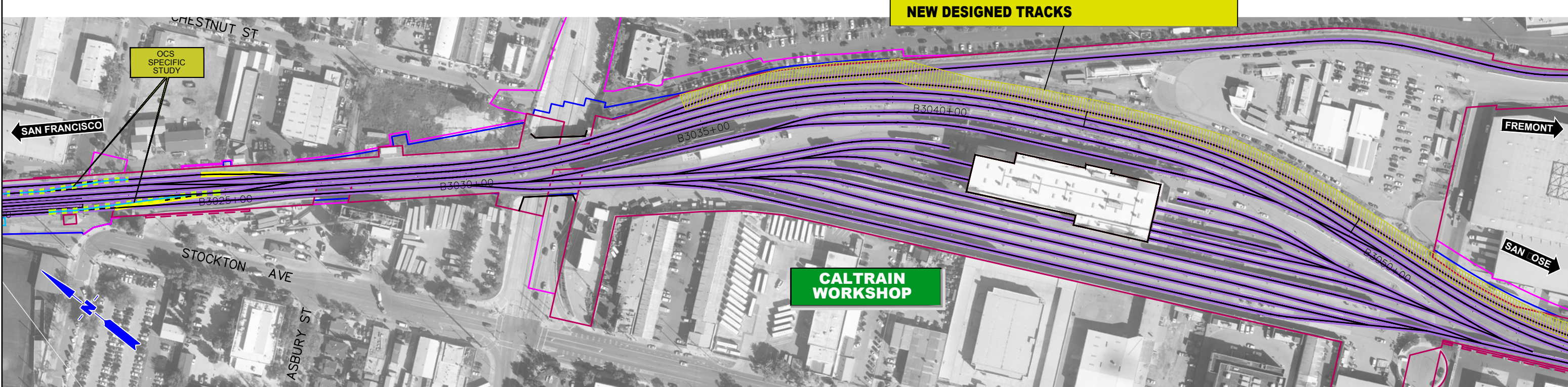
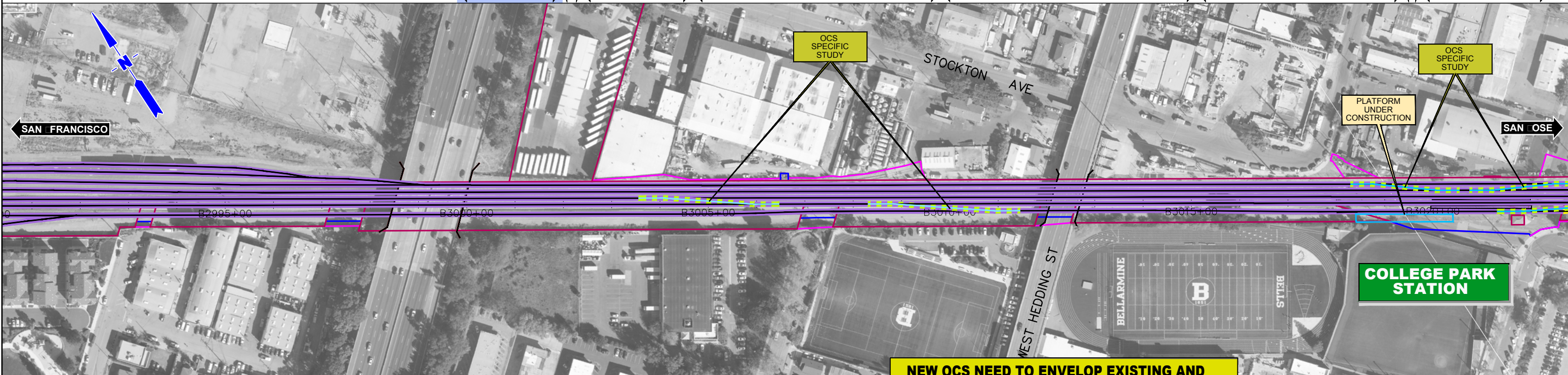
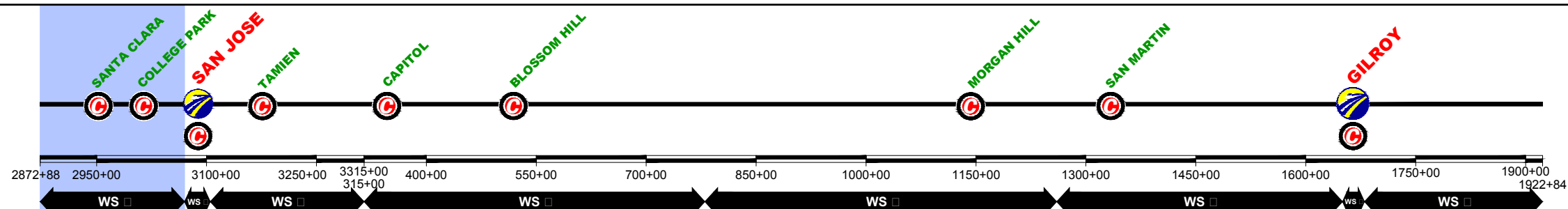
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CONTRACT NO.	
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SCALE	1" = 200'
SHEET NO.	2 OF 4

	CURRENT TRACK		TRACK REMOVAL		EXISTING ROW
	PROVISIONAL TRACK		UNDER CONSTRUCTION		PROPOSED ROW
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		PROPOSED TCE
	UNDER CONST + CIRCULATION T.		GRADE CROSSING		TUNNEL
	OVERHEAD BRIDGE		CREEK UNDERPASS		
	MAJOR UNDERPASS				



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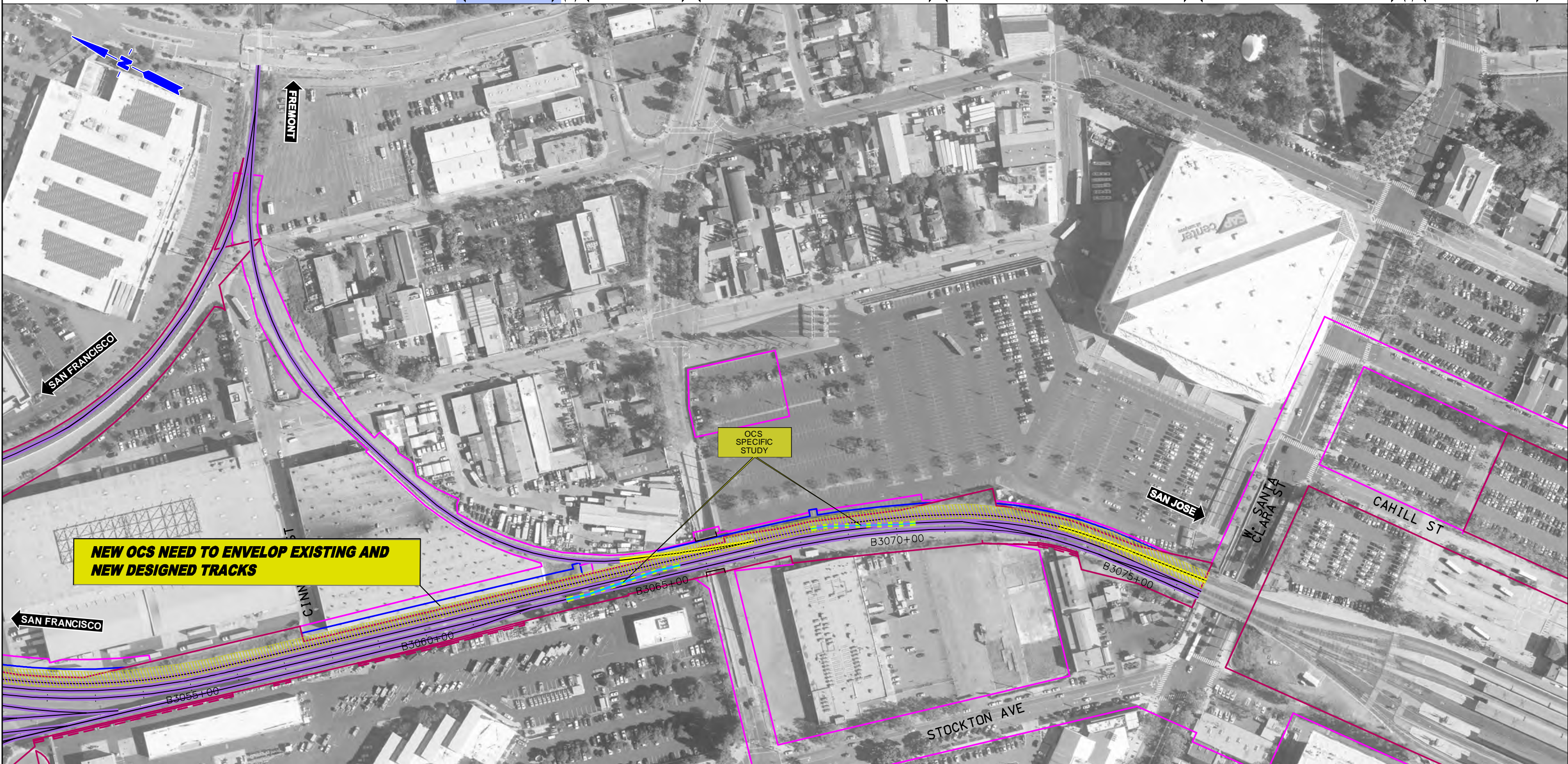
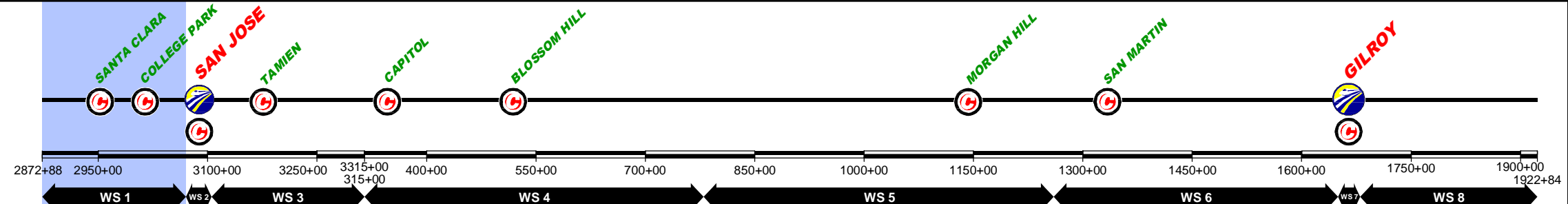
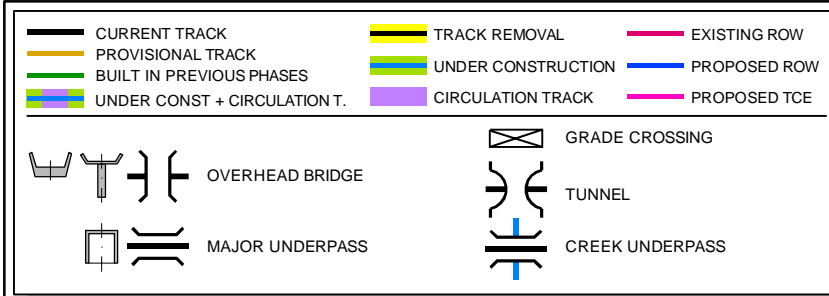
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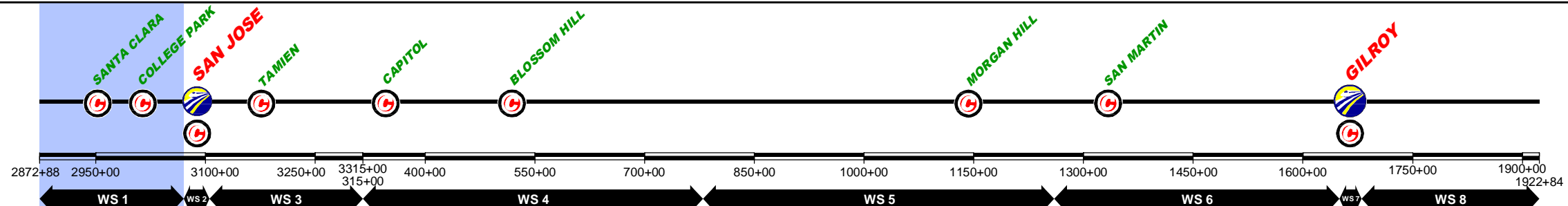
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PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
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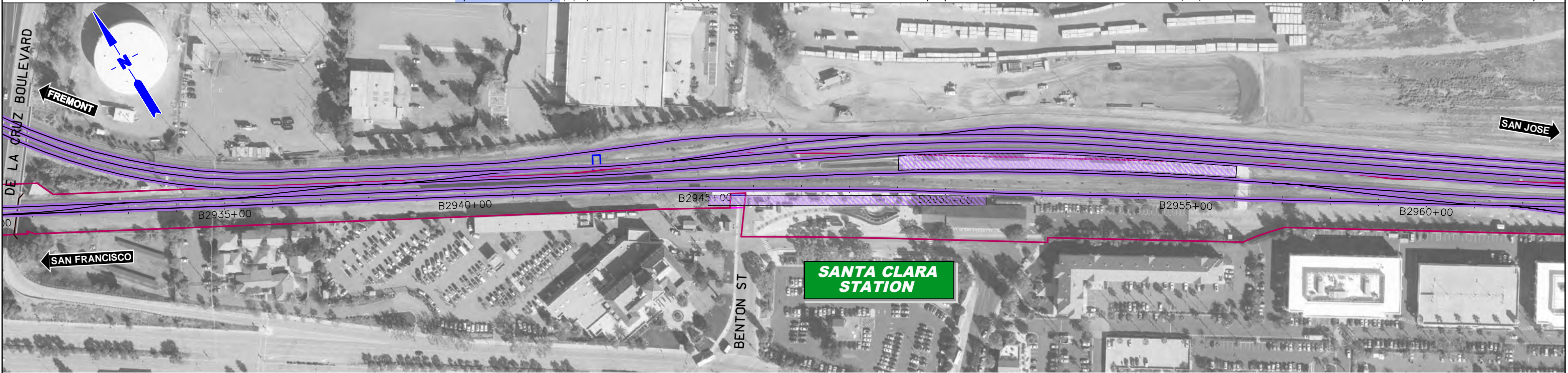
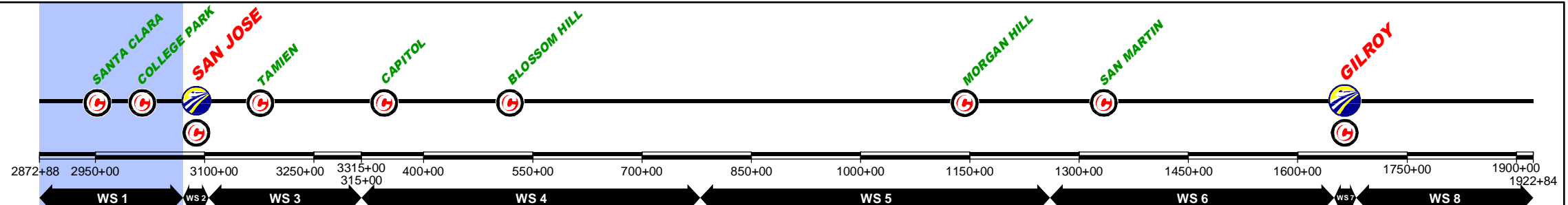
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CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH2-01
SCALE	1" = 200'
SHEET NO.	1 OF 4

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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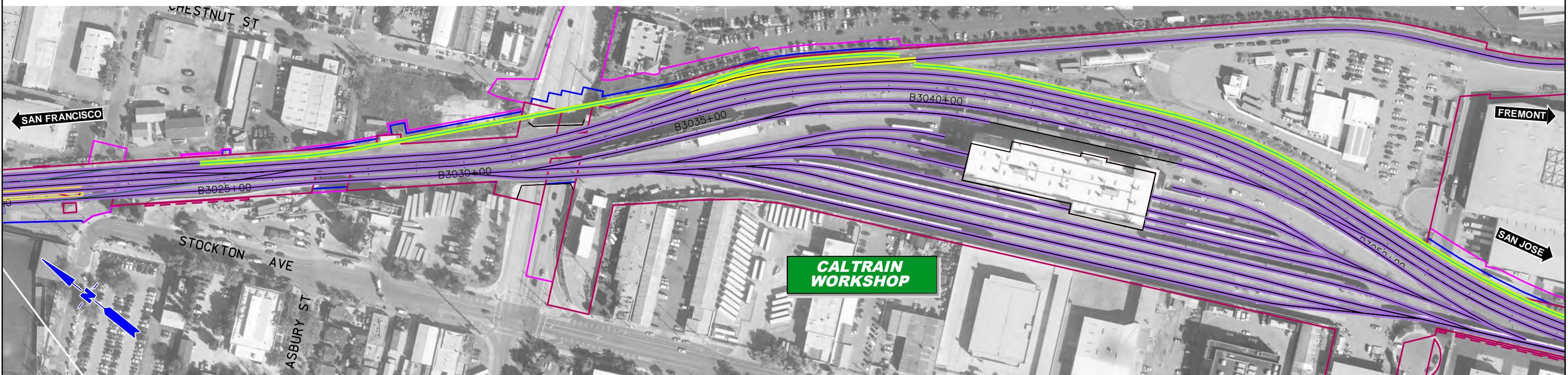
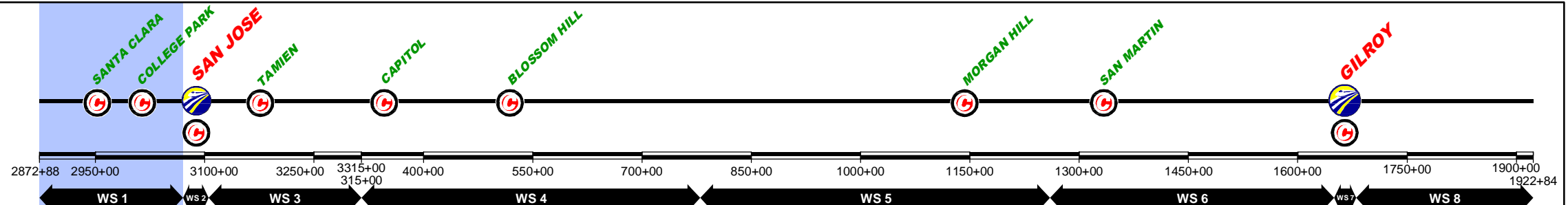
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CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH2-02
SCALE	1" = 200'
SHEET NO.	2 OF 4

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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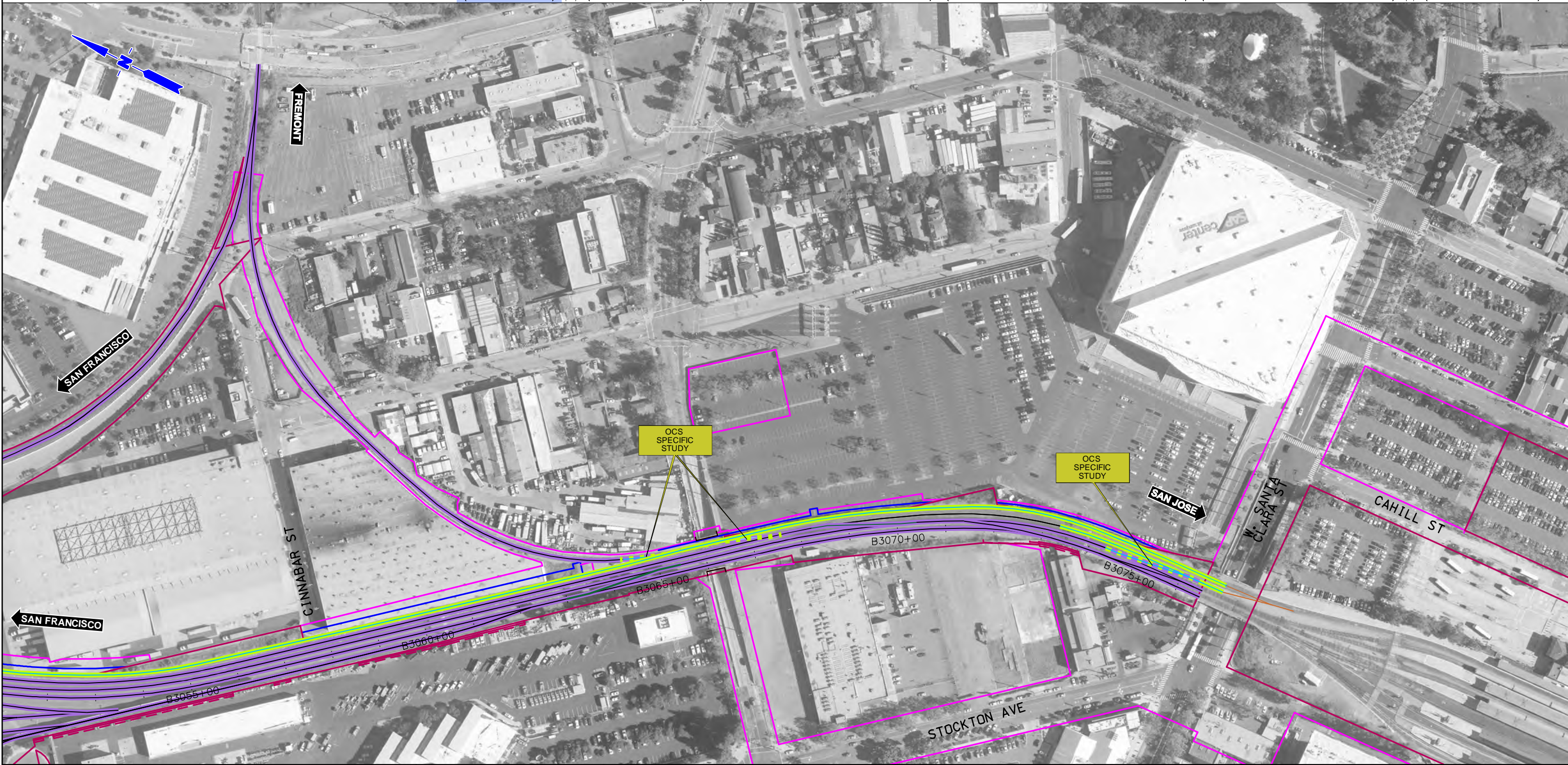
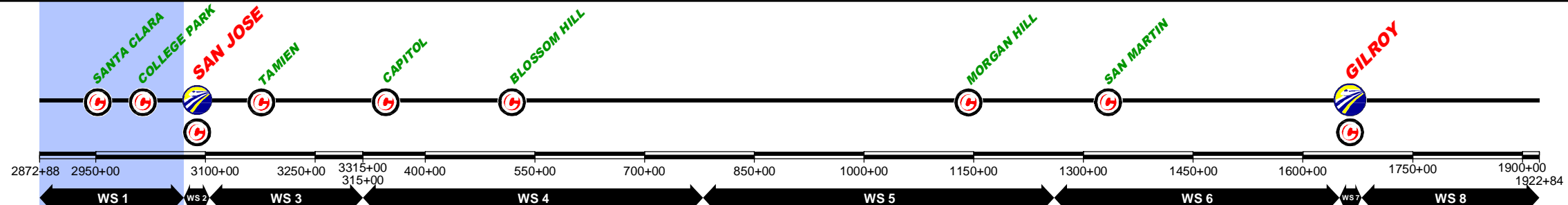
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PHASE 2

CONTRACT NO.
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SCALE 1" = 200'
SHEET NO. 3 OF 4

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CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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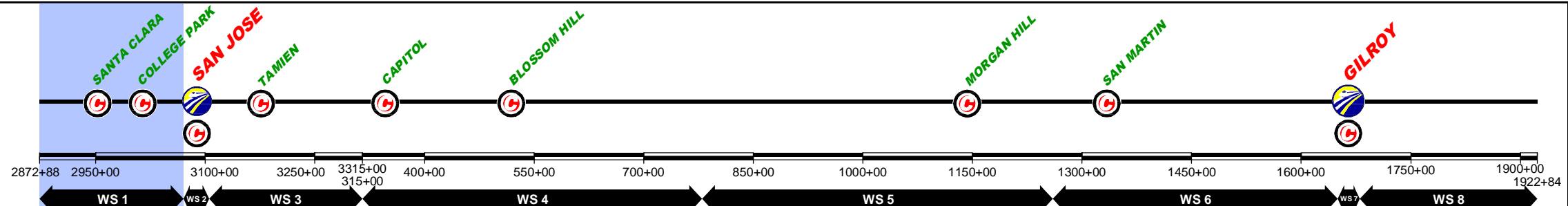
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SCALE	1" = 200'
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PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
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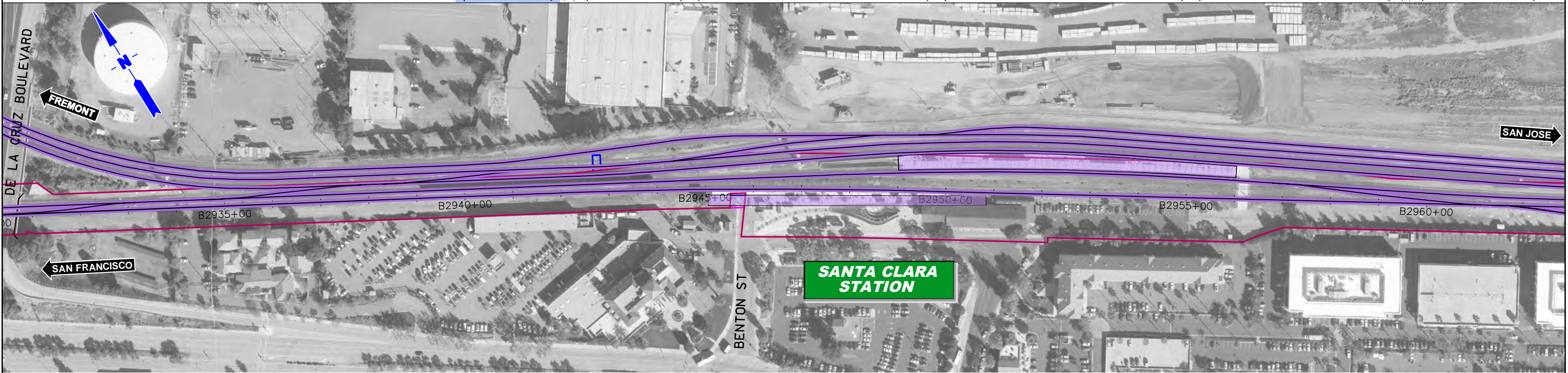
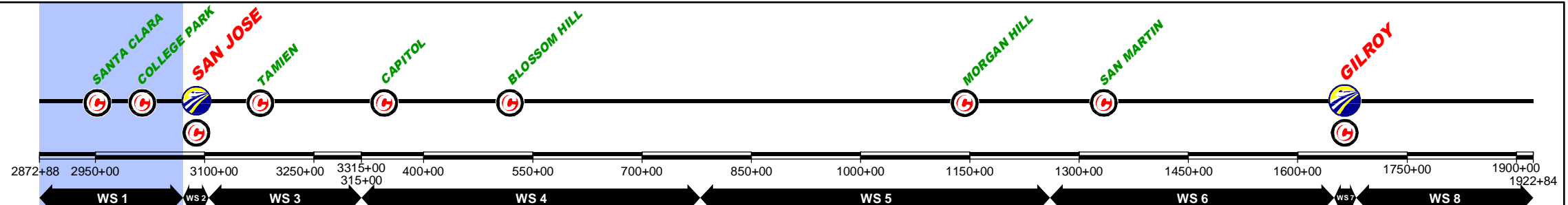
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PLAN
PHASE 3

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SCALE	1" = 200'
SHEET NO.	1 OF 4

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CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
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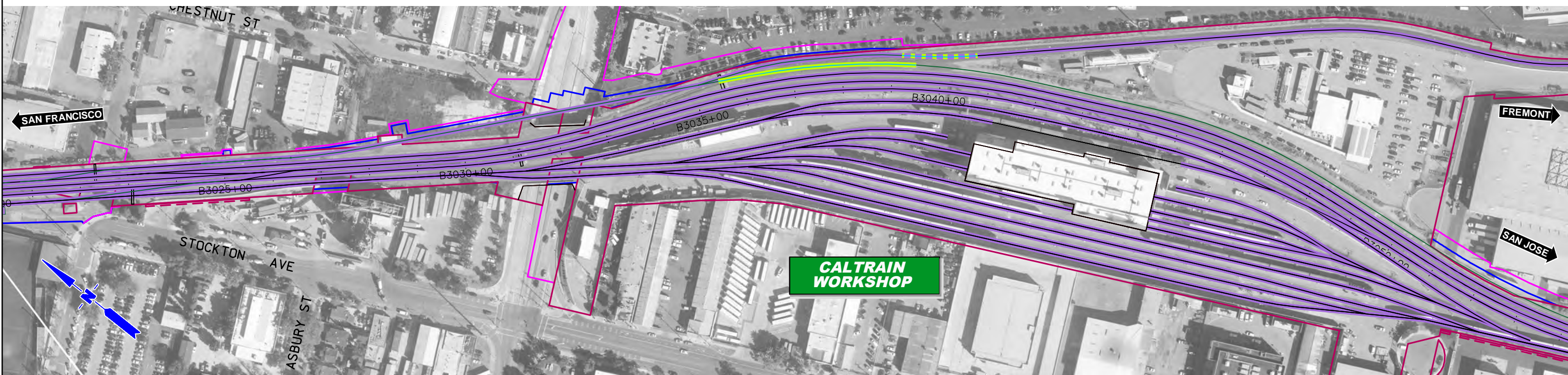
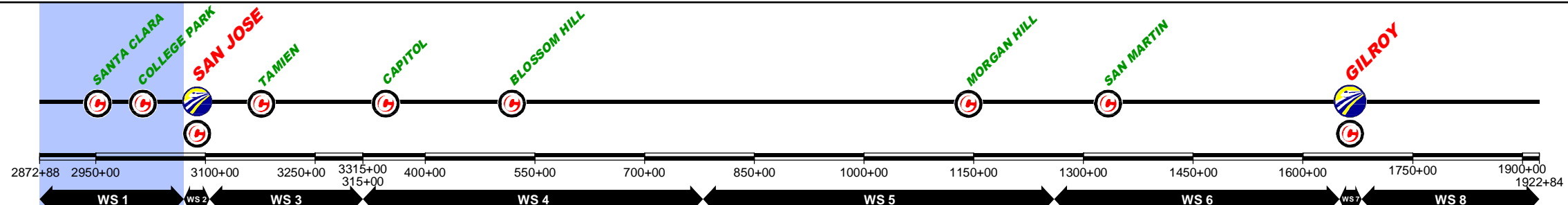
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OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
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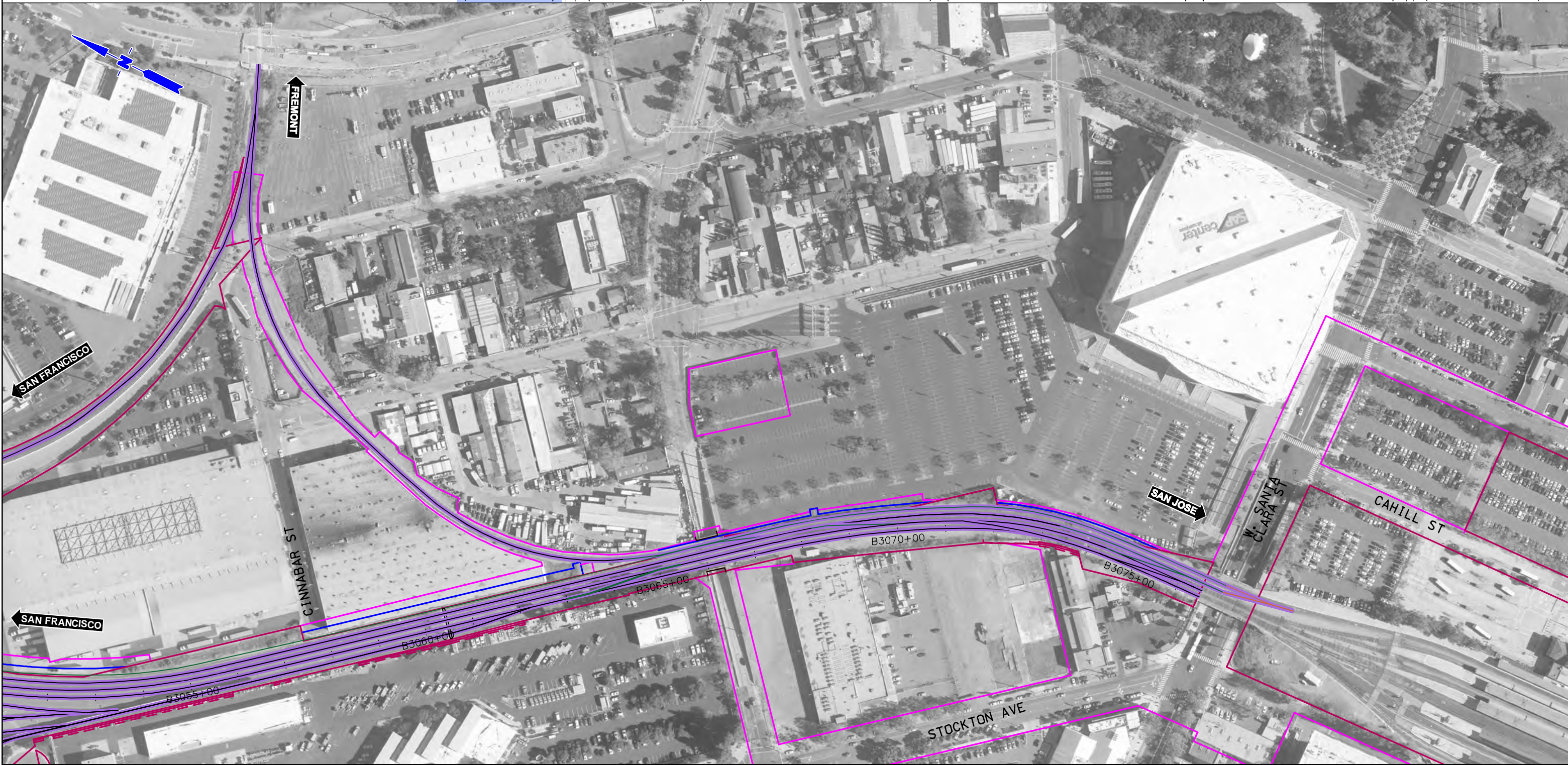
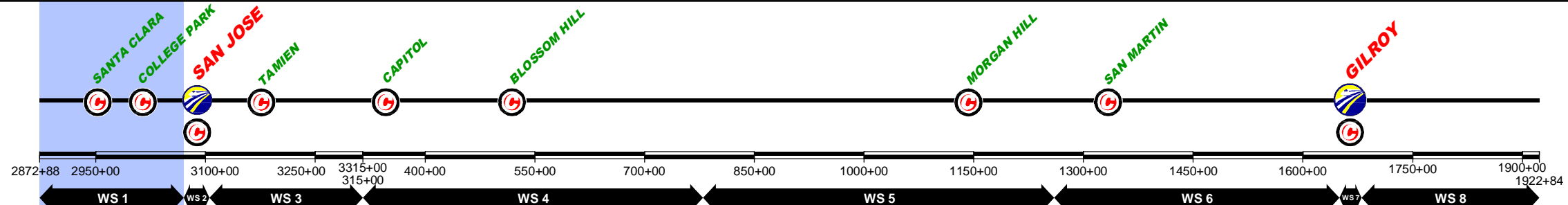
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CONTRACT NO.	
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SCALE	1" = 200'
SHEET NO.	3 OF 4

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 \$USER\$

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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DATE	NOV/2018

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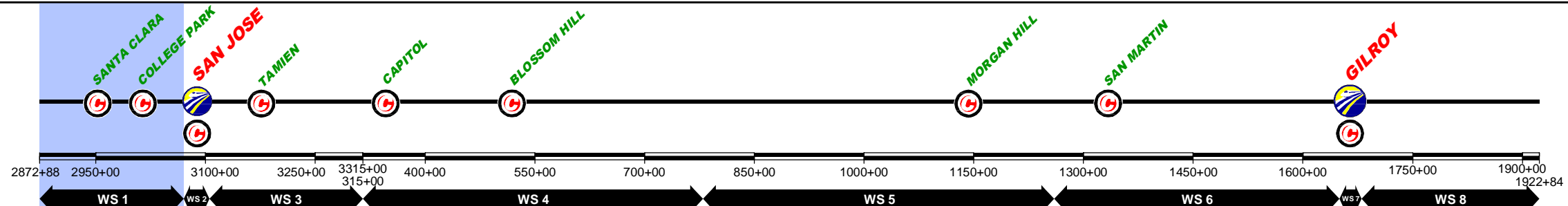
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SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 3

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH3-04
SCALE	1" = 200'
SHEET NO.	4 OF 4

\$USER\$ \$DATE\$ \$TIME\$ \$PENTBL\$ \$SPLTRV\$ \$FILE\$

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		
OVERHEAD BRIDGE	GRADE CROSSING	
MAJOR UNDERPASS	TUNNEL	
	CREEK UNDERPASS	



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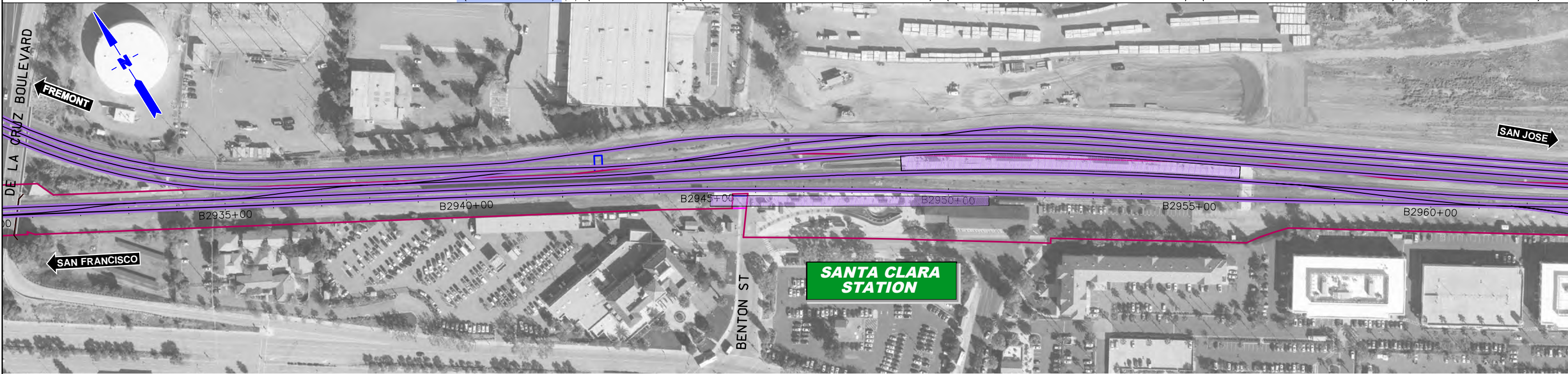
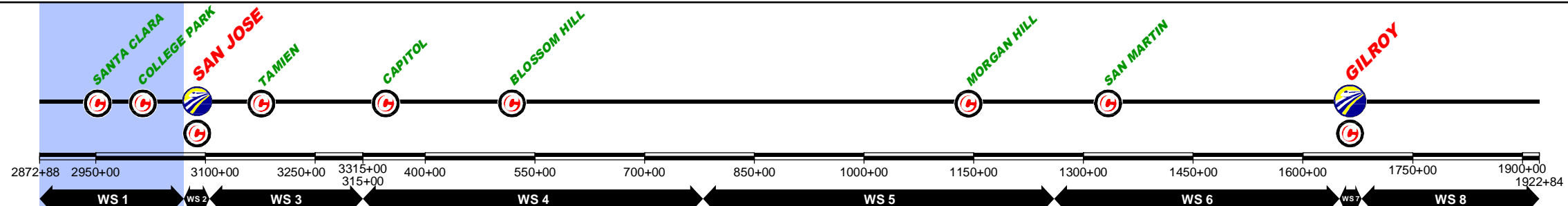
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SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 4

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH4-01
SCALE	1" = 200'
SHEET NO.	1 OF 4

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\$PLTRV\$					
\$PENTBL\$					
\$TIME\$					
\$DATE\$					
\$USER\$					
REV	DATE	BY	SUB	APP	DESCRIPTION

	CURRENT TRACK		TRACK REMOVAL		EXISTING ROW
	PROVISIONAL TRACK		UNDER CONSTRUCTION		PROPOSED ROW
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		PROPOSED TCE
	UNDER CONST + CIRCULATION T.				

	OVERHEAD BRIDGE		GRADE CROSSING
	MAJOR UNDERPASS		TUNNEL
	CREEK UNDERPASS		



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DATE	NOV/2018

REV	DATE	BY	SUB	APP	DESCRIPTION

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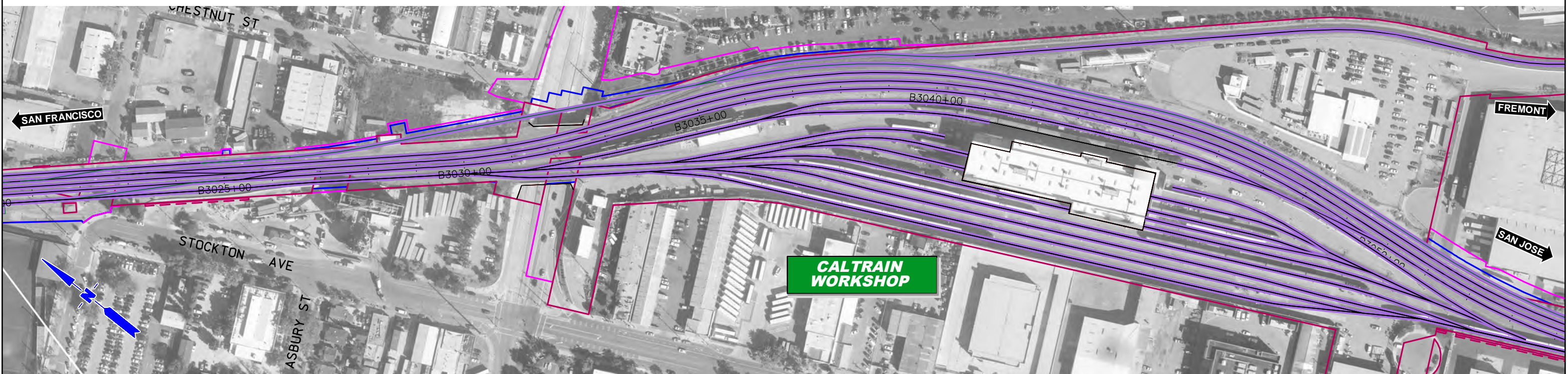
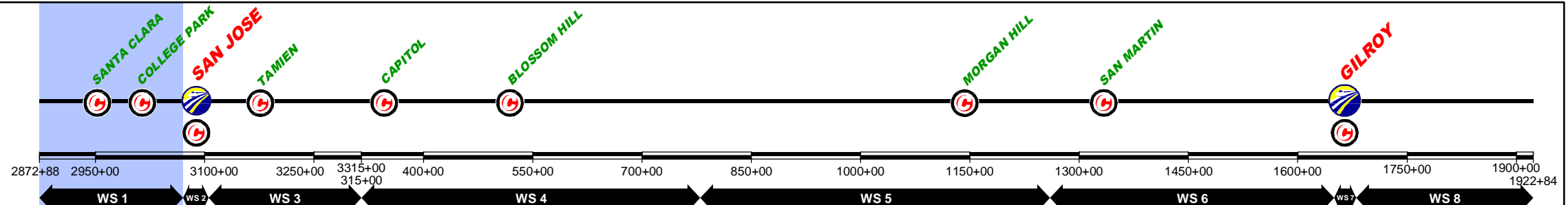
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SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 4

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH4-02
SCALE	1" = 200'
SHEET NO.	2 OF 4

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



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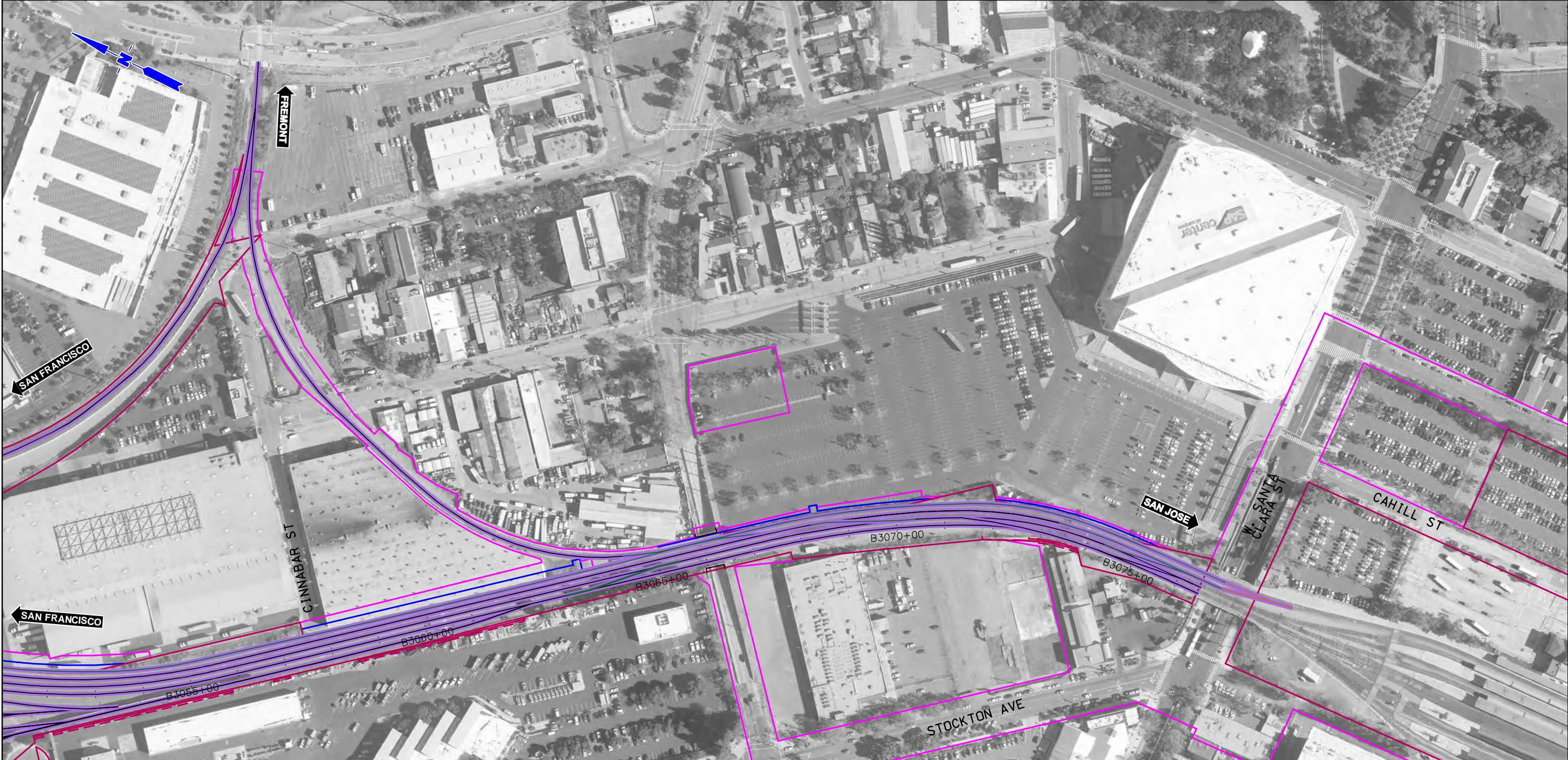
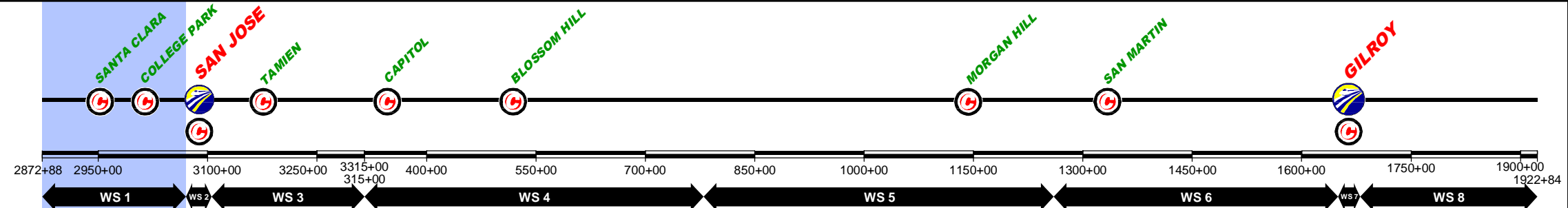
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SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN
PHASE 4

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH4-03
SCALE	1" = 200'
SHEET NO.	3 OF 4

\$FILE\$
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 \$PENTBLS\$
 \$TIME\$
 \$DATE\$
 \$USER\$

CURRENT TRACK	TRACK REMOVAL	EXISTING ROW
PROVISIONAL TRACK	UNDER CONSTRUCTION	PROPOSED ROW
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	PROPOSED TCE
UNDER CONST + CIRCULATION T.		

OVERHEAD BRIDGE	GRADE CROSSING
MAJOR UNDERPASS	TUNNEL
	CREEK UNDERPASS



\$FILE\$
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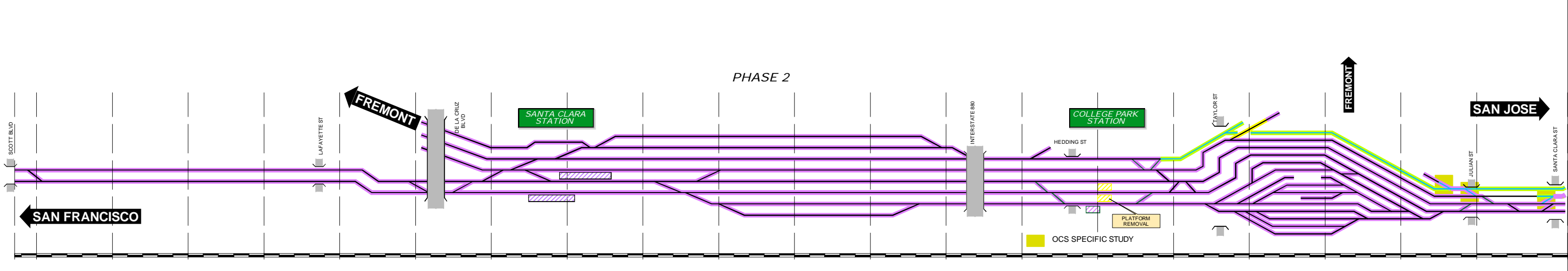
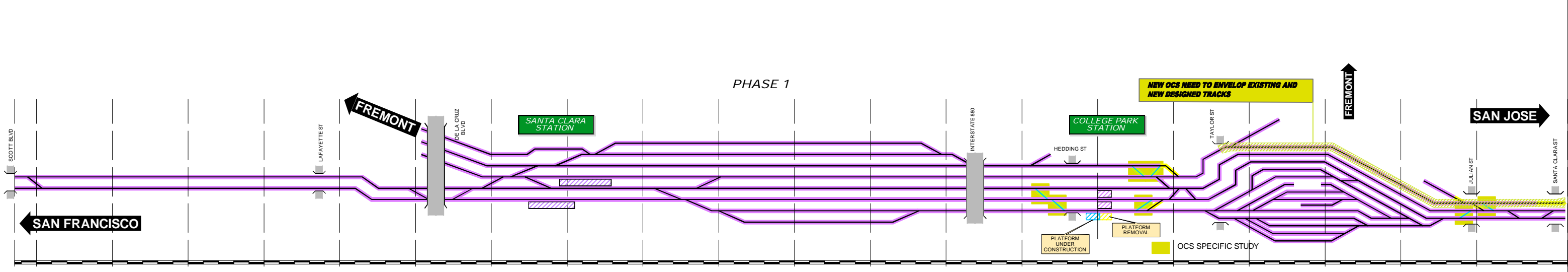
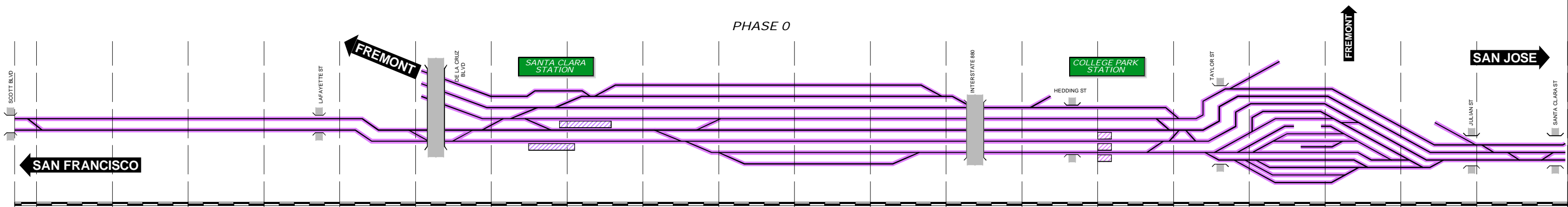
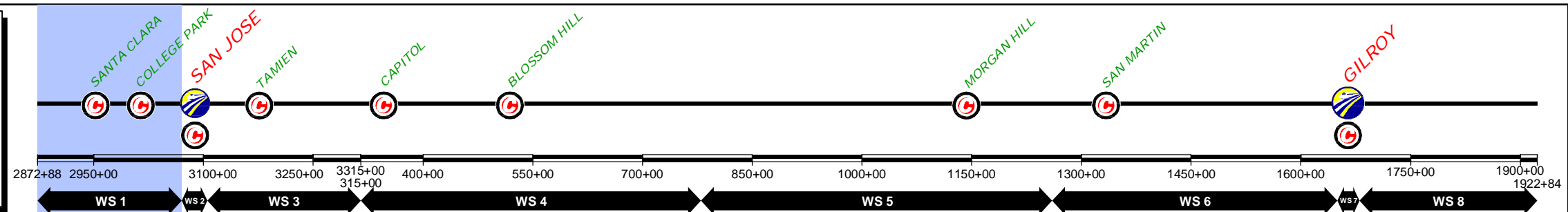
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SAN JOSE TO MERCED
 SCOTT BOULEVARD TO SAN JOSE STATION
 CONSTRUCTION PHASES
 PLAN
 PHASE 4

CONTRACT NO.	
DRAWING NO.	CV-11WS1-PH4-04
SCALE	1" = 200'
SHEET NO.	4 OF 4

CURRENT TRACK	TRACK REMOVAL	STRUCTURE UNDER CONSTRUCTION
PROVISIONAL TRACK	UNDER CONSTRUCTION	WILDLIFE CROSSING UNDER CONSTRUCTION
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	GRADE CROSSING ADAPTATION
UNDER CONST + CIRCULATION T.	GRADE CROSSING	TUNNEL
OVERHEAD BRIDGE	CREEK UNDERPASS	MAJOR UNDERPASS



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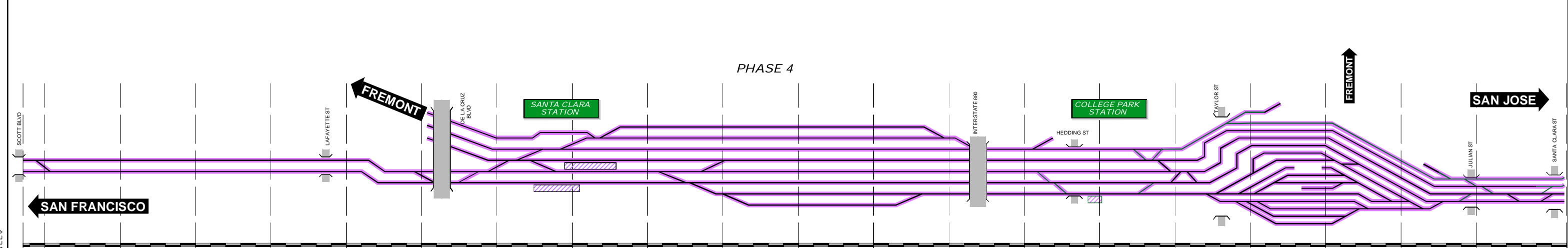
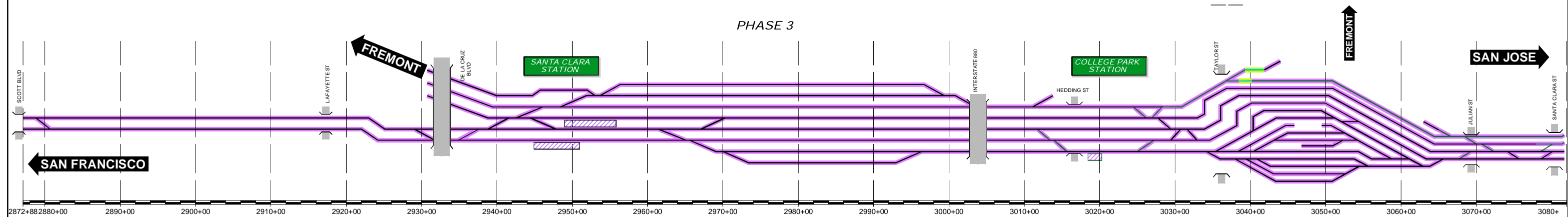
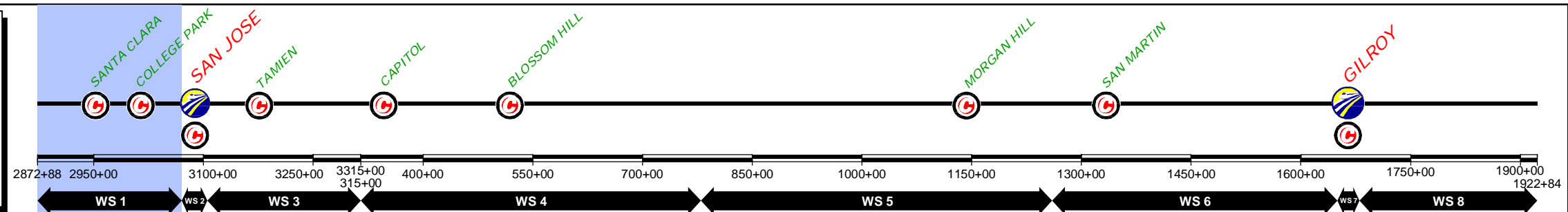
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SAN JOSE TO MERCED
 SCOTT BOULEVARD TO SAN JOSE STATION
 CONSTRUCTION PHASES
 SCHEME

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SCH-01
SCALE	---
SHEET NO.	1 OF 2

CURRENT TRACK	TRACK REMOVAL	STRUCTURE UNDER CONSTRUCTION
PROVISIONAL TRACK	UNDER CONSTRUCTION	WILDLIFE CROSSING UNDER CONSTRUCTION
BUILT IN PREVIOUS PHASES	CIRCULATION TRACK	GRADE CROSSING ADAPTATION
UNDER CONST + CIRCULATION T.		
OVERHEAD BRIDGE	GRADE CROSSING	
MAJOR UNDERPASS	TUNNEL	
	CREEK UNDERPASS	



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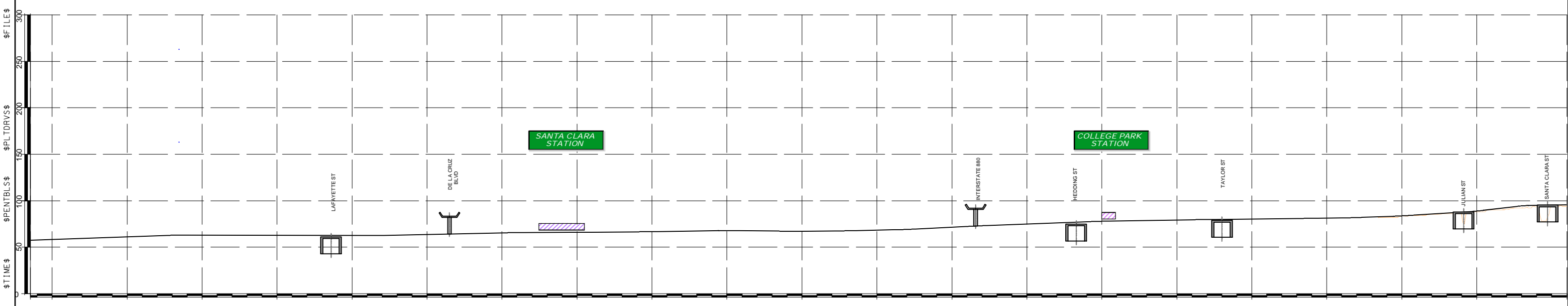
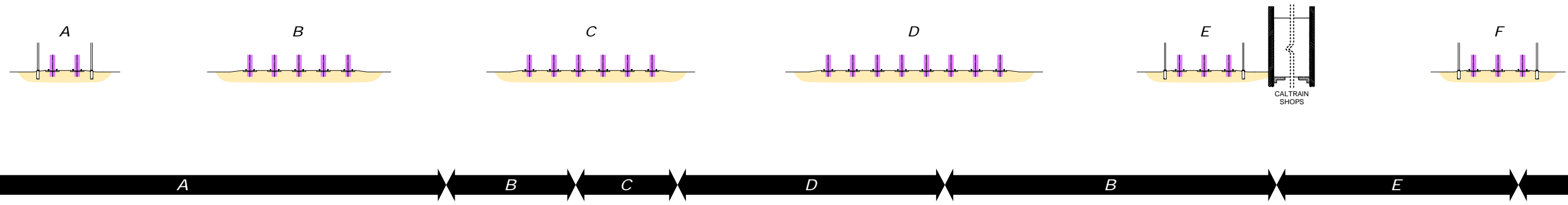
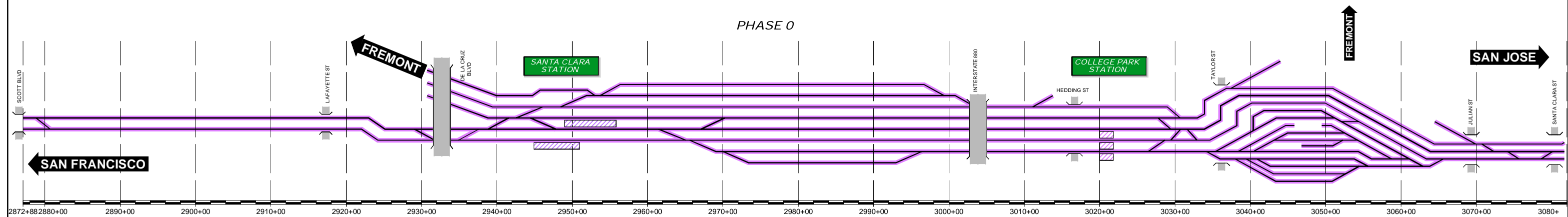
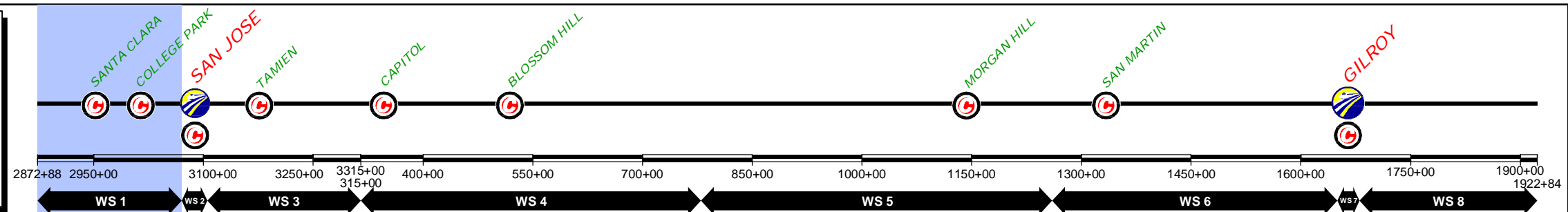
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SAN JOSE TO MERCED
 SCOTT BOULEVARD TO SAN JOSE STATION
 CONSTRUCTION PHASES
 SCHEME

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SCH-02
SCALE	---
SHEET NO.	2 OF 2

	CURRENT TRACK		TRACK REMOVAL		STRUCTURE UNDER CONSTRUCTION
	PROVISIONAL TRACK		UNDER CONSTRUCTION		WILDLIFE CROSSING UNDER CONSTRUCTION
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		GRADE CROSSING ADAPTATION
	UNDER CONST + CIRCULATION T.		GRADE CROSSING		TUNNEL
	OVERHEAD BRIDGE		CREEK UNDERPASS		MAJOR UNDERPASS



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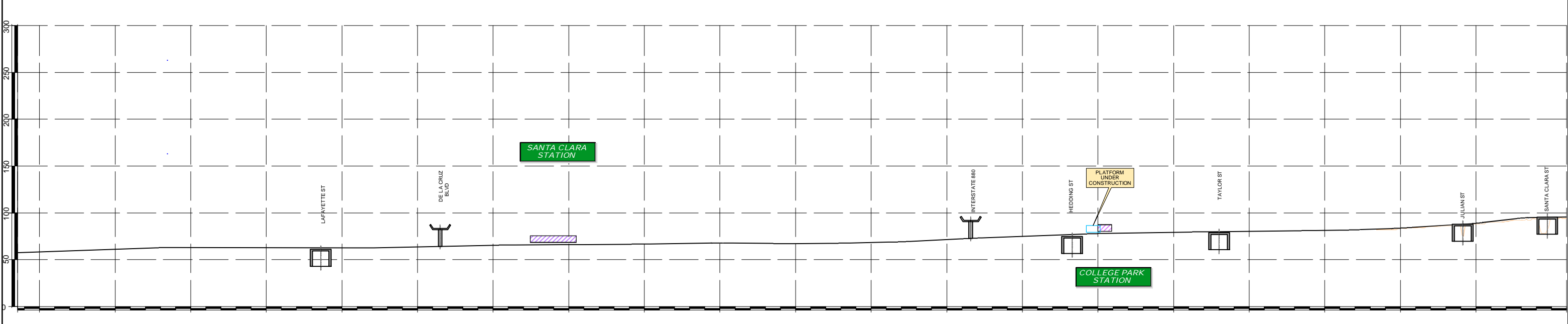
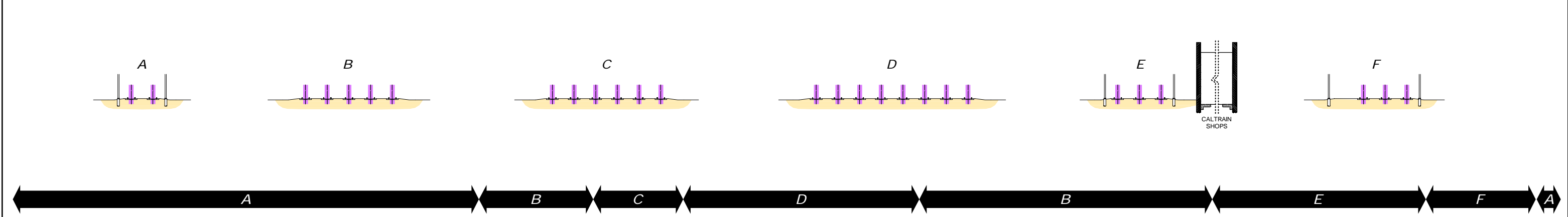
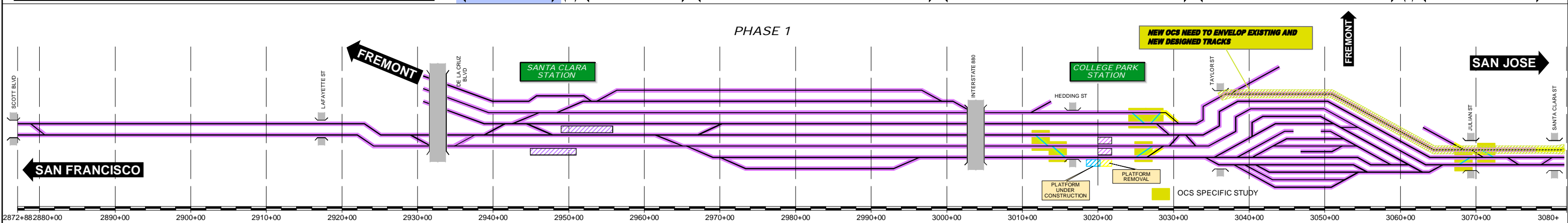
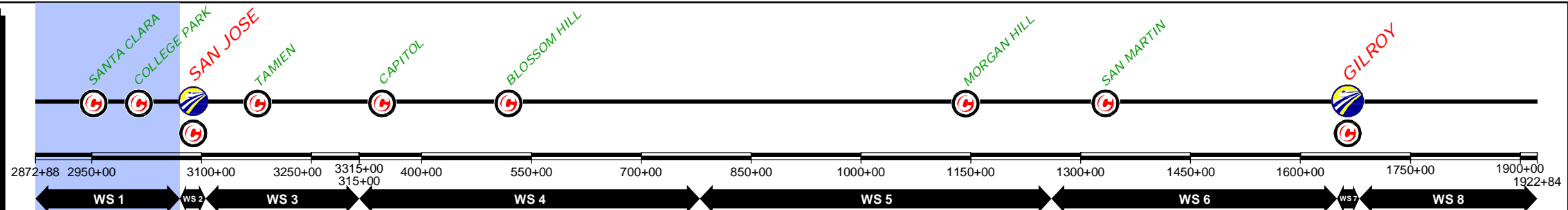
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN AND PROFILE SCHEME
PHASE 0

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SPP-01
SCALE	---
SHEET NO.	1 OF 5

	CURRENT TRACK		TRACK REMOVAL		STRUCTURE UNDER CONSTRUCTION
	PROVISIONAL TRACK		UNDER CONSTRUCTION		WILDLIFE CROSSING UNDER CONSTRUCTION
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		GRADE CROSSING ADAPTATION
	UNDER CONST + CIRCULATION T.		OVERHEAD BRIDGE		GRADE CROSSING
	MAJOR UNDERPASS		TUNNEL		CREEK UNDERPASS



REV	DATE	BY	SUB	APP	DESCRIPTION

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DATE	NOV/2018

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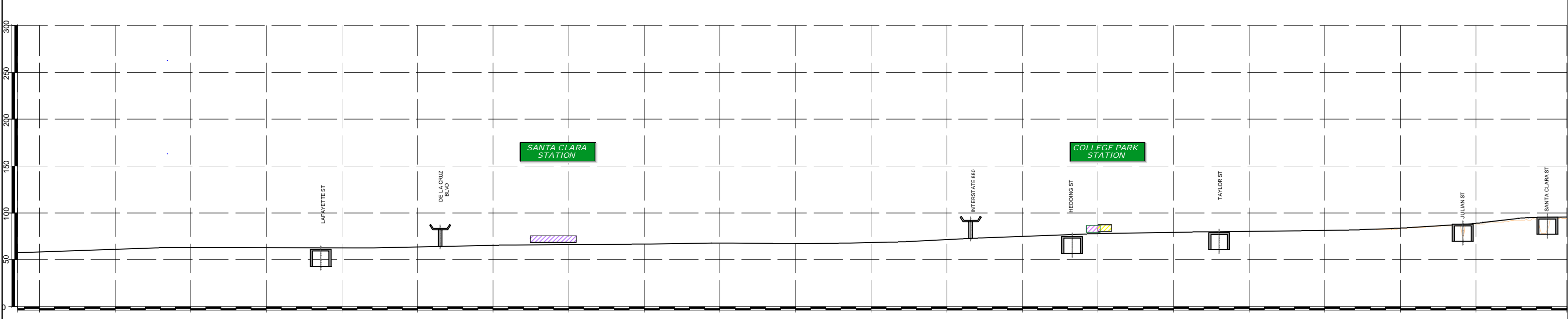
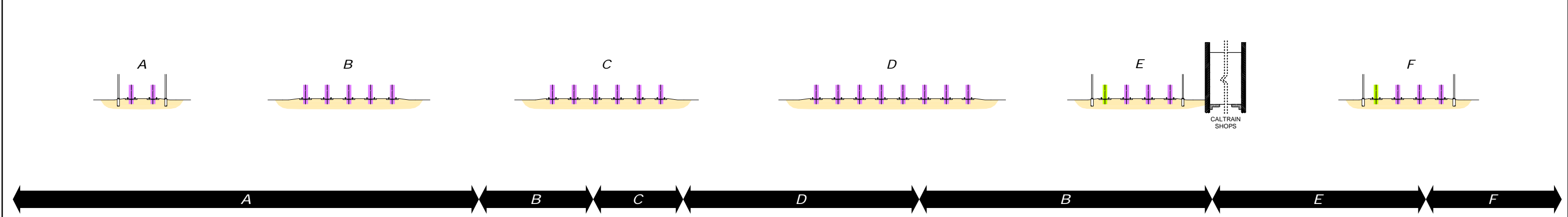
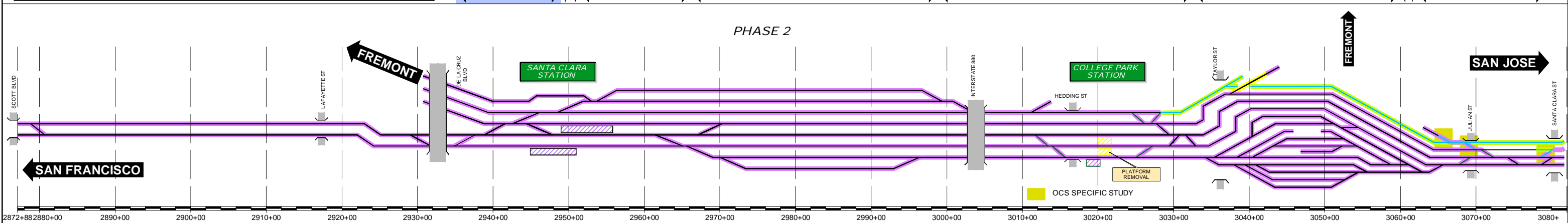
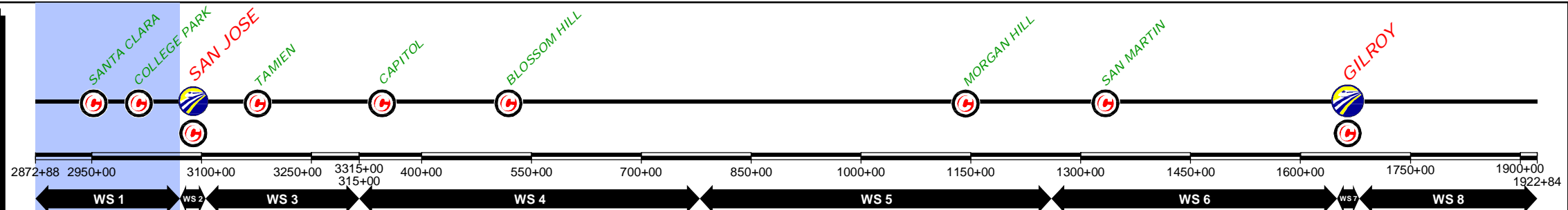
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN AND PROFILE SCHEME
PHASE 1

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SPP-02
SCALE	---
SHEET NO.	2 OF 5

	CURRENT TRACK		TRACK REMOVAL		STRUCTURE UNDER CONSTRUCTION
	PROVISIONAL TRACK		UNDER CONSTRUCTION		WILDLIFE CROSSING UNDER CONSTRUCTION
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		GRADE CROSSING ADAPTATION
	UNDER CONST + CIRCULATION T.		GRADE CROSSING		TUNNEL
	OVERHEAD BRIDGE		CREEK UNDERPASS		
	MAJOR UNDERPASS				



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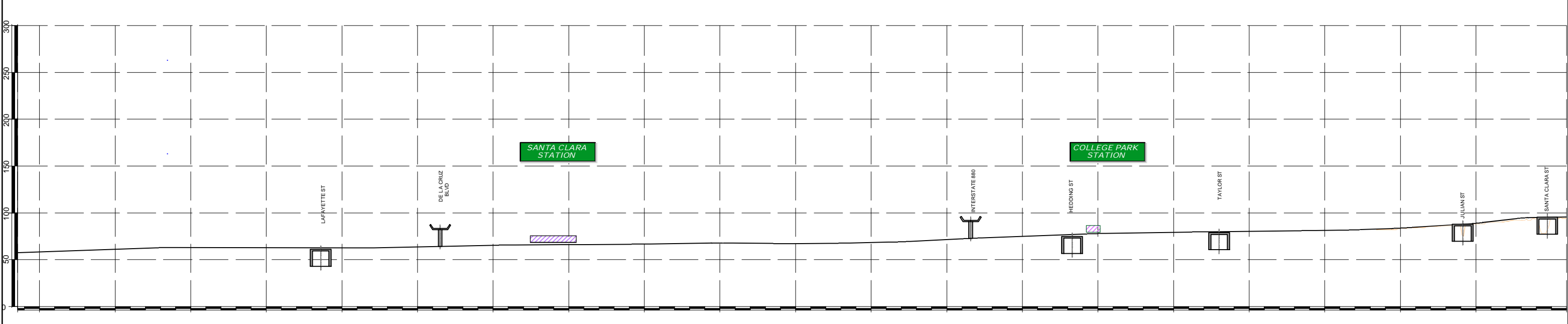
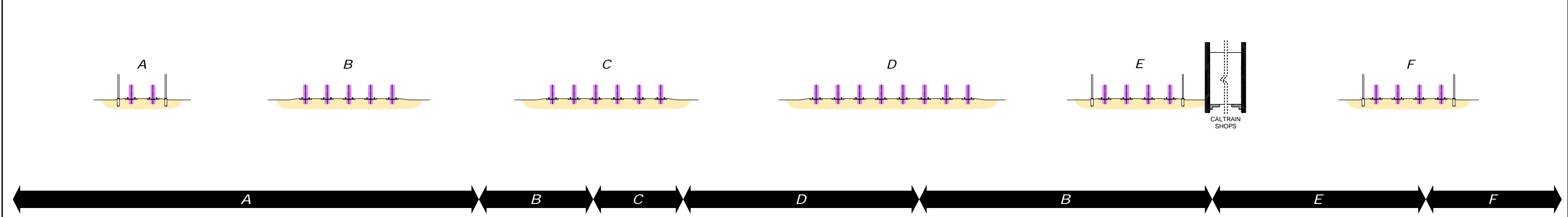
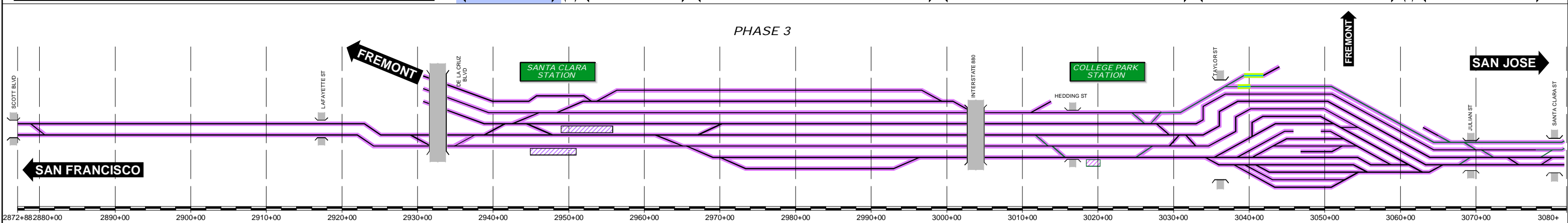
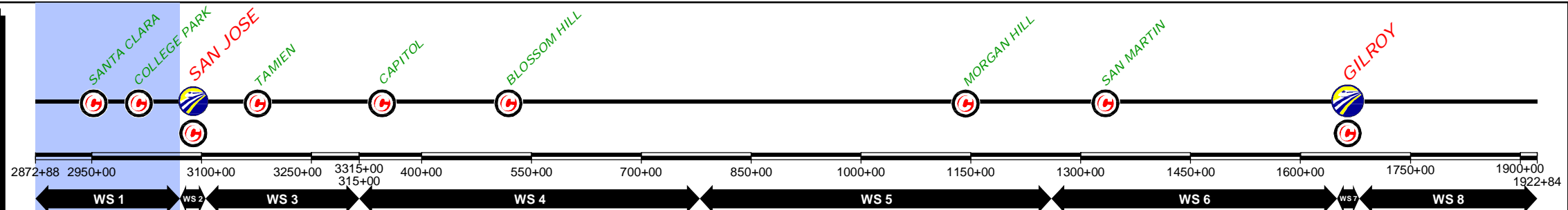
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
SCOTT BOULEVARD TO SAN JOSE STATION
CONSTRUCTION PHASES
PLAN AND PROFILE SCHEME
PHASE 2

CONTRACT NO.	CV-16WS1-SPP-03
DRAWING NO.	
SCALE	
SHEET NO.	3 OF 5

	CURRENT TRACK		TRACK REMOVAL		STRUCTURE UNDER CONSTRUCTION
	PROVISIONAL TRACK		UNDER CONSTRUCTION		WILDLIFE CROSSING UNDER CONSTRUCTION
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		GRADE CROSSING ADAPTATION
	UNDER CONST + CIRCULATION T.		GRADE CROSSING		TUNNEL
	OVERHEAD BRIDGE		CREEK UNDERPASS		
	MAJOR UNDERPASS				



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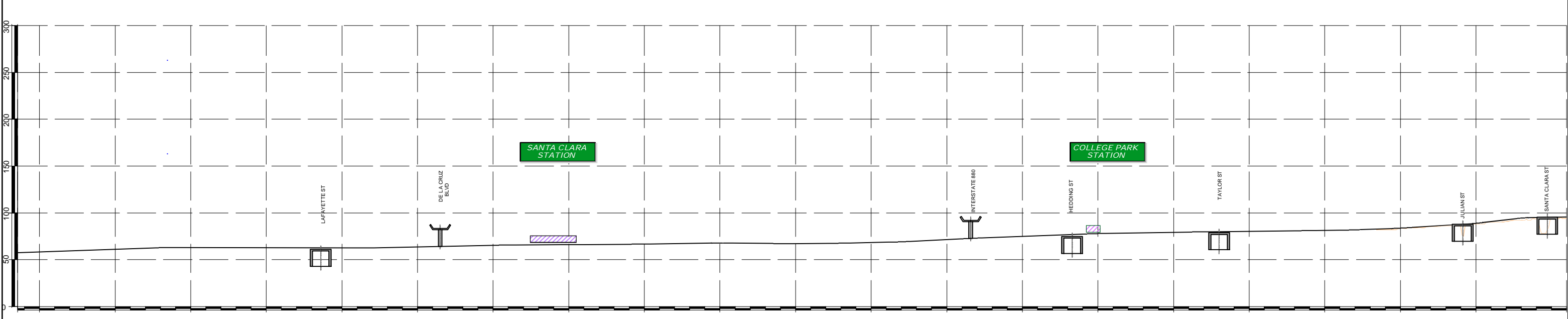
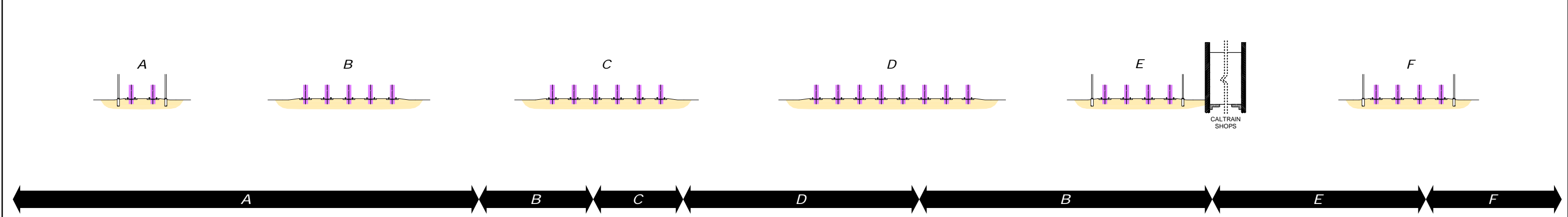
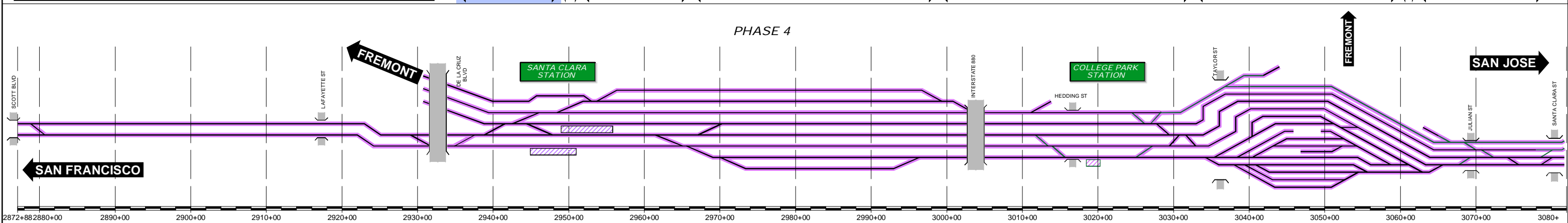
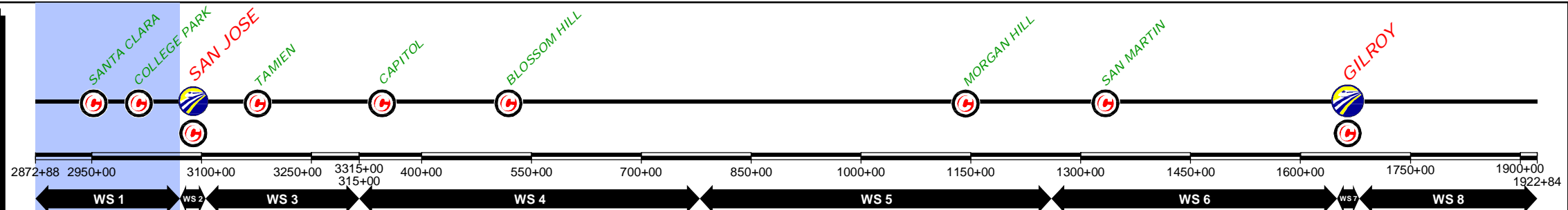
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED
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CONSTRUCTION PHASES
PLAN AND PROFILE SCHEME
PHASE 3

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SPP-04
SCALE	---
SHEET NO.	4 OF 5

	CURRENT TRACK		TRACK REMOVAL		STRUCTURE UNDER CONSTRUCTION
	PROVISIONAL TRACK		UNDER CONSTRUCTION		WILDLIFE CROSSING UNDER CONSTRUCTION
	BUILT IN PREVIOUS PHASES		CIRCULATION TRACK		GRADE CROSSING ADAPTATION
	UNDER CONST + CIRCULATION T.		GRADE CROSSING		TUNNEL
	OVERHEAD BRIDGE		CREEK UNDERPASS		MAJOR UNDERPASS



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SAN JOSE TO MERCED
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CONSTRUCTION PHASES
PLAN AND PROFILE SCHEME
PHASE 4

CONTRACT NO.	
DRAWING NO.	CV-16WS1-SPP-05
SCALE	---
SHEET NO.	5 OF 5