

## **APPENDIX D.4: BRISBANE LMF (WEST) REPORT AND EXHIBITS – ALTERNATIVE B**

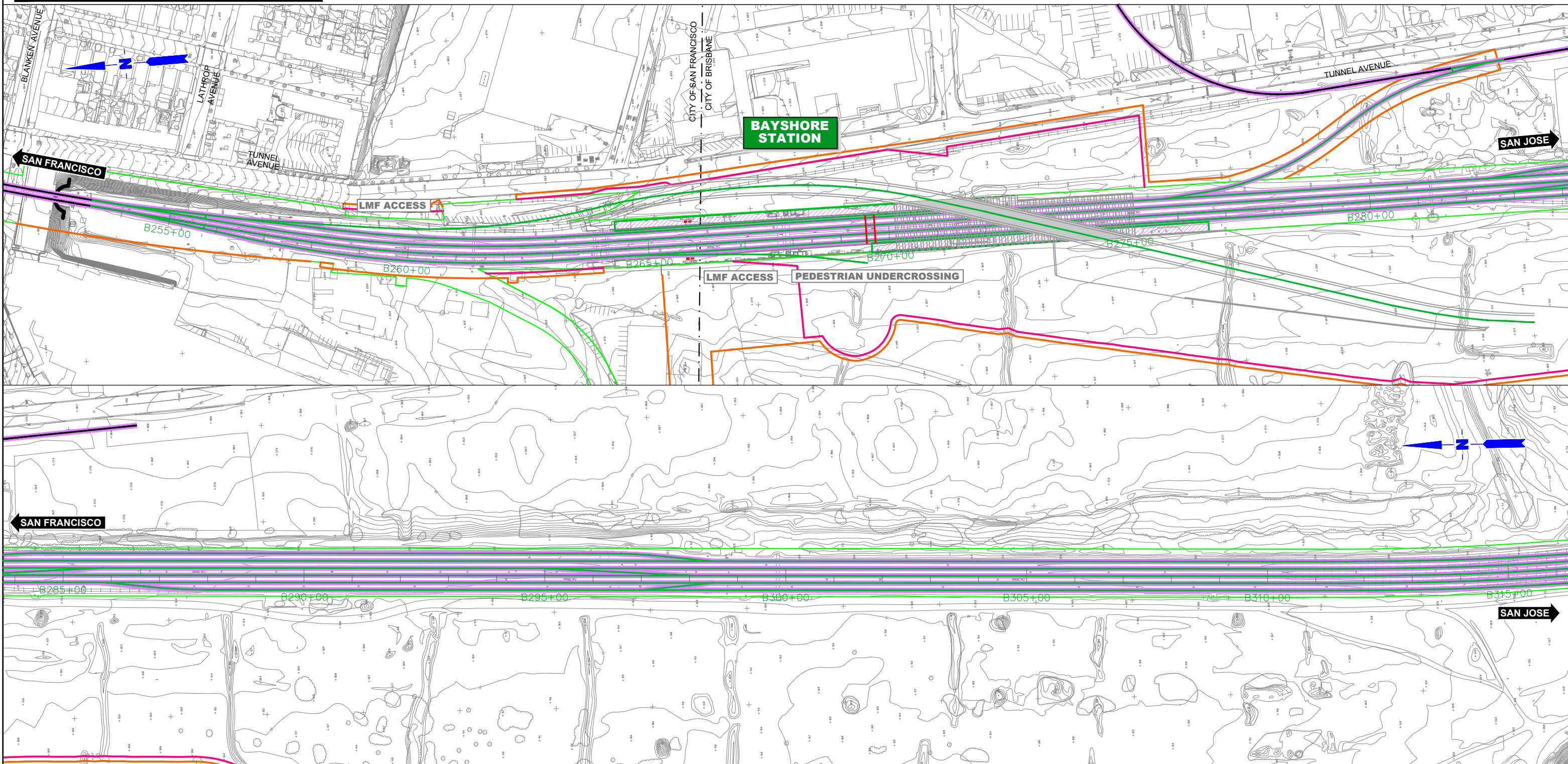
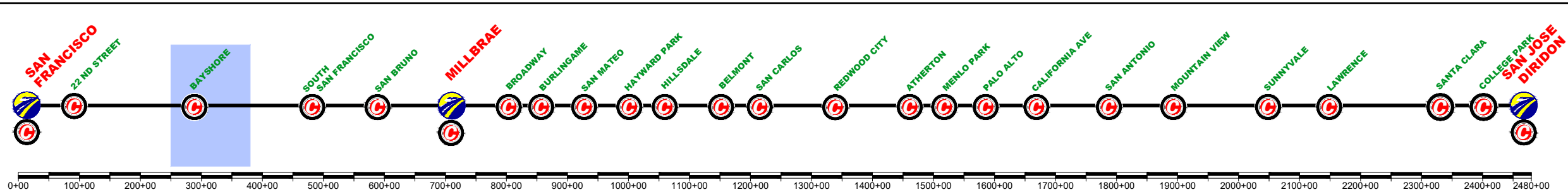
### **Part 2 of 2**



|  |                              |  |                    |
|--|------------------------------|--|--------------------|
|  | CURRENT TRACK                |  | TRACK REMOVAL      |
|  | PROVISIONAL TRACK            |  | UNDER CONSTRUCTION |
|  | BUILT IN PREVIOUS PHASES     |  | CIRCULATION TRACK  |
|  | UNDER CONST + CIRCULATION T. |  |                    |

|  |                 |  |                |
|--|-----------------|--|----------------|
|  | OVERHEAD BRIDGE |  | TUNNEL         |
|  | MAJOR UNDERPASS |  | GRADE CROSSING |
|  | CREEK UNDERPASS |  | CURRENT ROW    |
|  |                 |  | TCE            |
|  |                 |  | ROW            |



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| DATE        | MAR/2019 |

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CONSTRUCTION

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11th Floor  
Madrid, SP 28036

**HNTB** 1111 Broadway  
9th Floor  
Oakland, CA 94607

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High-Speed Rail Authority

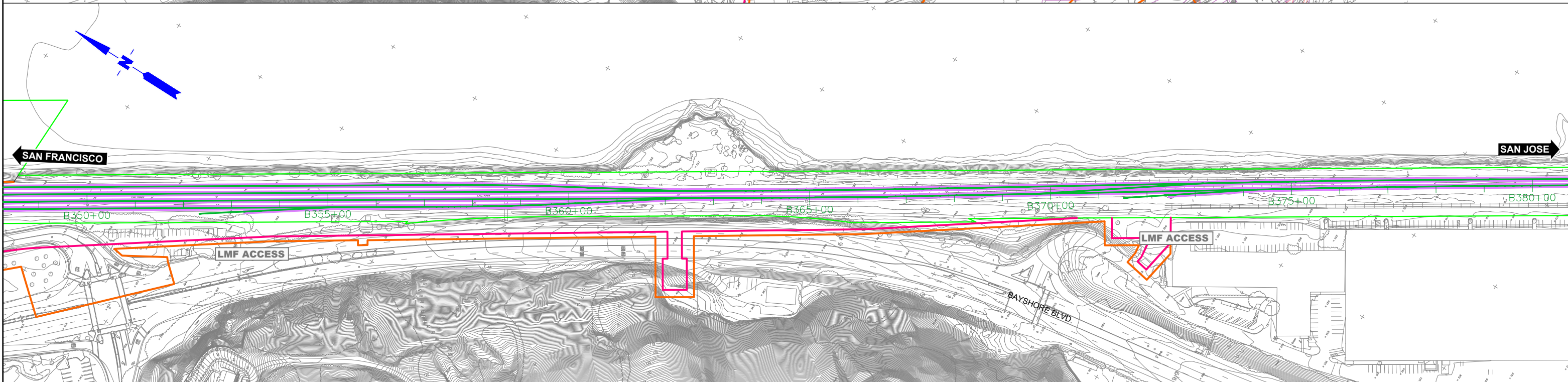
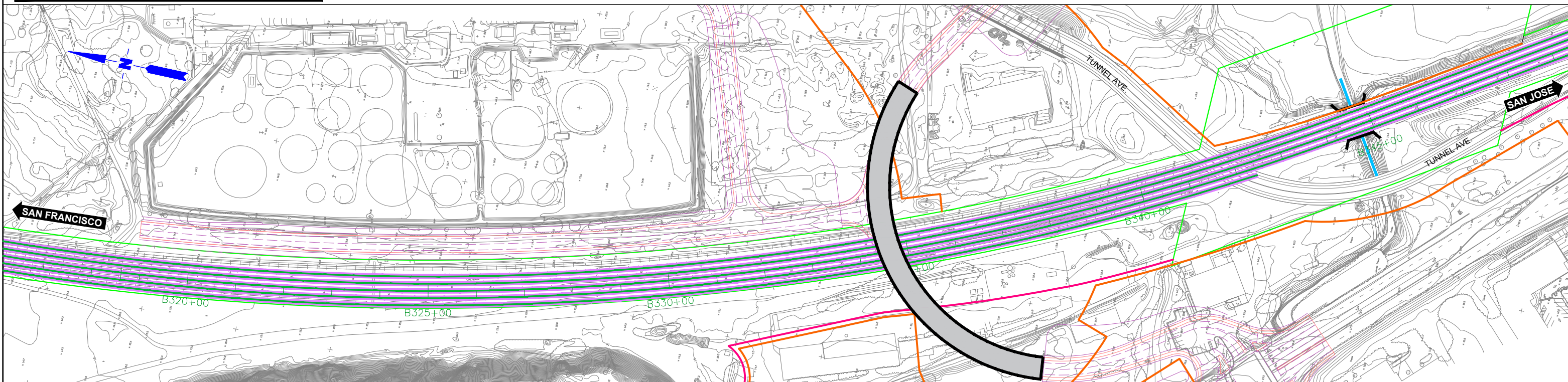
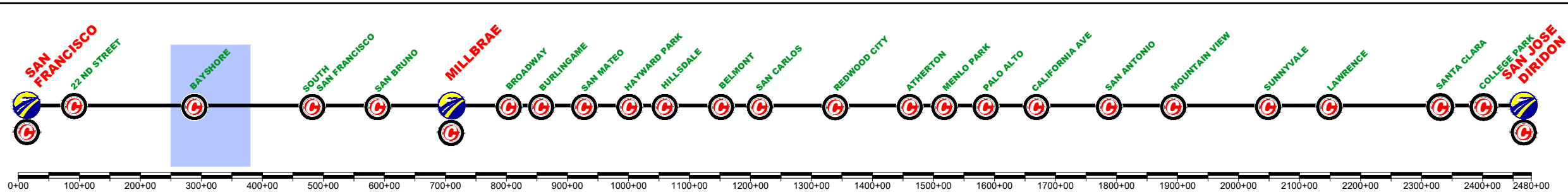
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN  
PHASE 11

|              |                 |
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| CONTRACT NO. |                 |
| DRAWING NO.  | CV-HBRB-PH11-01 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 1 OF 2          |

|  |                              |  |                    |
|--|------------------------------|--|--------------------|
|  | CURRENT TRACK                |  | TRACK REMOVAL      |
|  | PROVISIONAL TRACK            |  | UNDER CONSTRUCTION |
|  | BUILT IN PREVIOUS PHASES     |  | CIRCULATION TRACK  |
|  | UNDER CONST + CIRCULATION T. |  |                    |

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|--|-----------------|--|----------------|
|  | OVERHEAD BRIDGE |  | TUNNEL         |
|  | MAJOR UNDERPASS |  | GRADE CROSSING |
|  | CREEK UNDERPASS |  | CURRENT ROW    |
|  |                 |  | TCE            |
|  |                 |  | ROW            |



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**MAR/2019**

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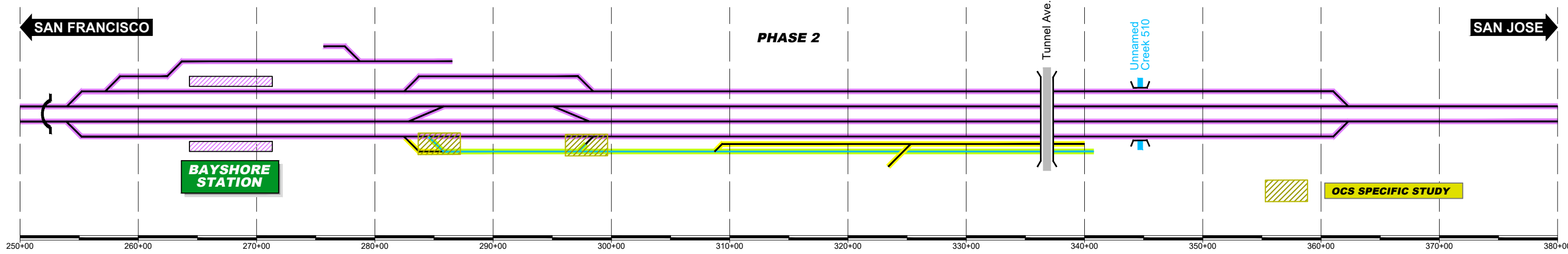
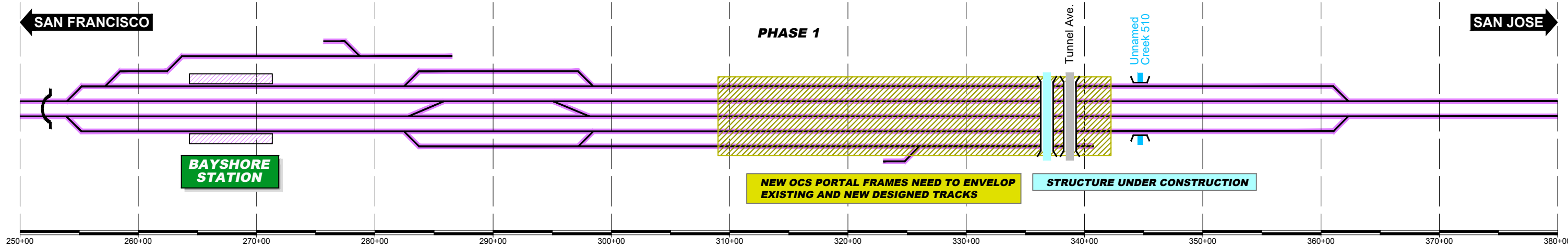
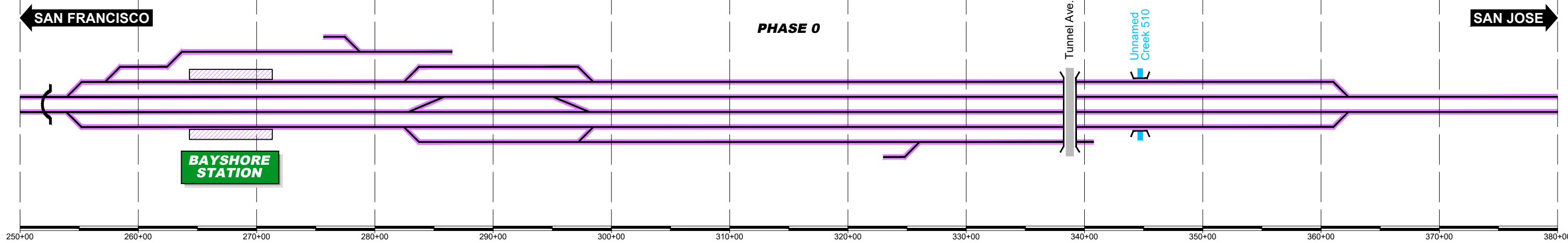
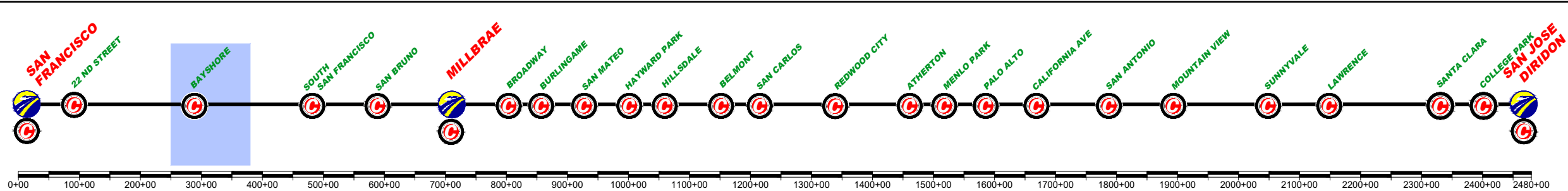
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CONSTRUCTION PHASES  
PLAN  
PHASE 11

CONTRACT NO.  
DRAWING NO.  
**CV-11BRB-PH11-02**  
SCALE  
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SHEET NO.  
**2 OF 2**

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



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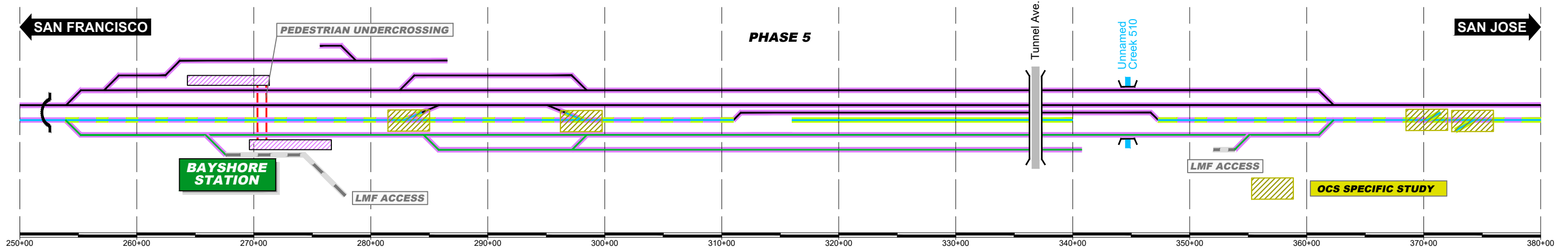
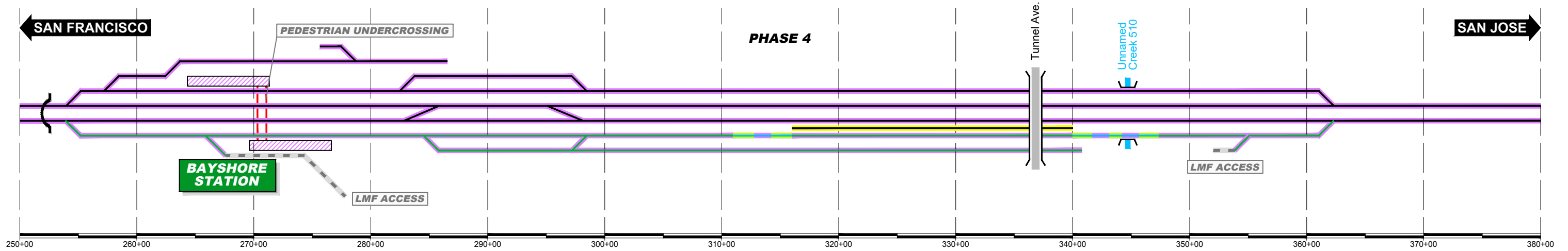
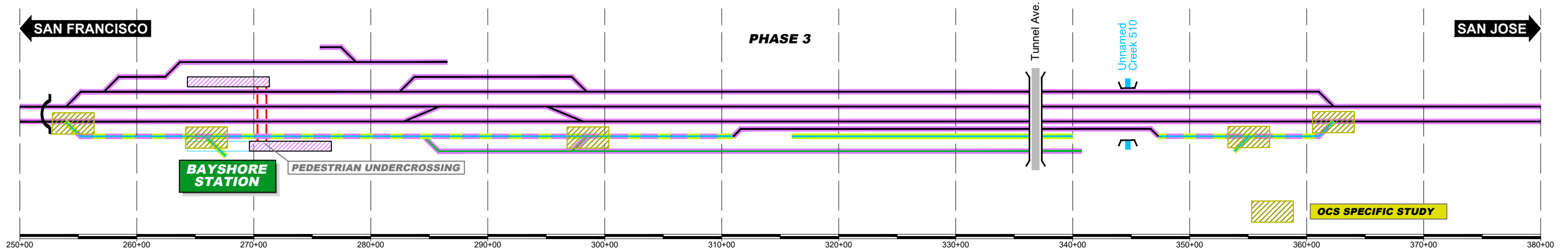
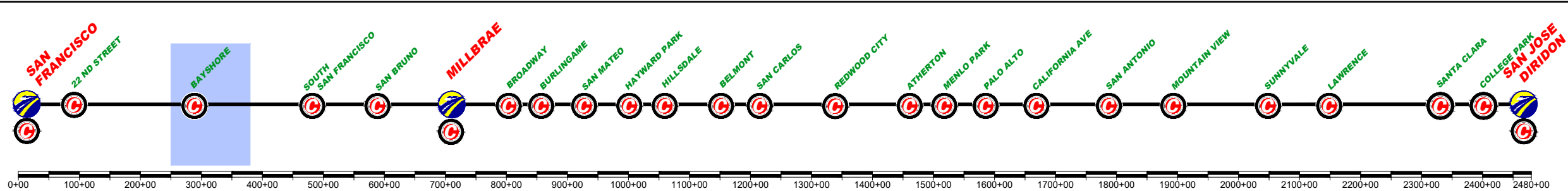
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
SCHEMES

CONTRACT NO.  
DRAWING NO.  
**CV-16BRB-SCH-01**  
SCALE  
**NOT TO SCALE**  
SHEET NO.  
**1 OF 4**

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



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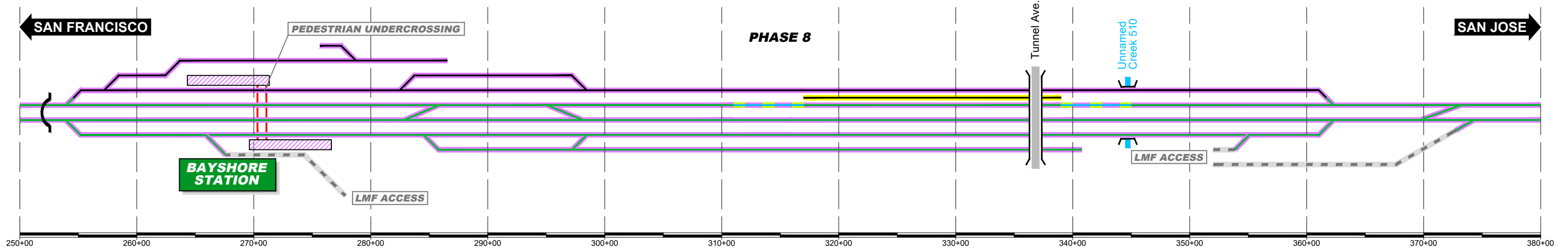
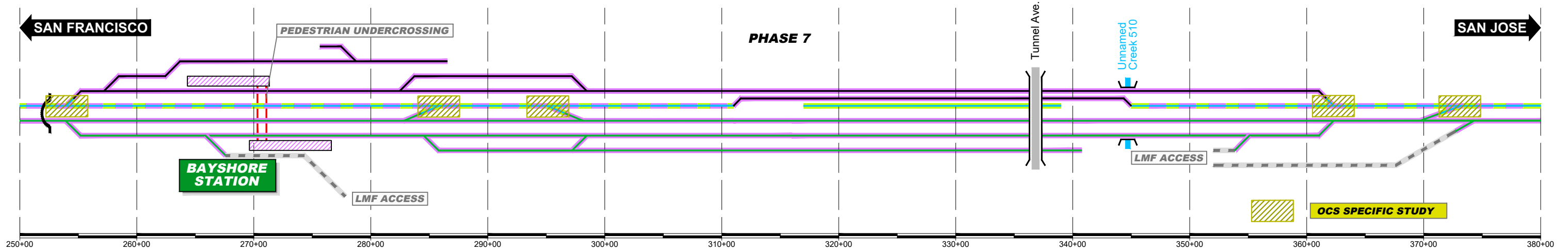
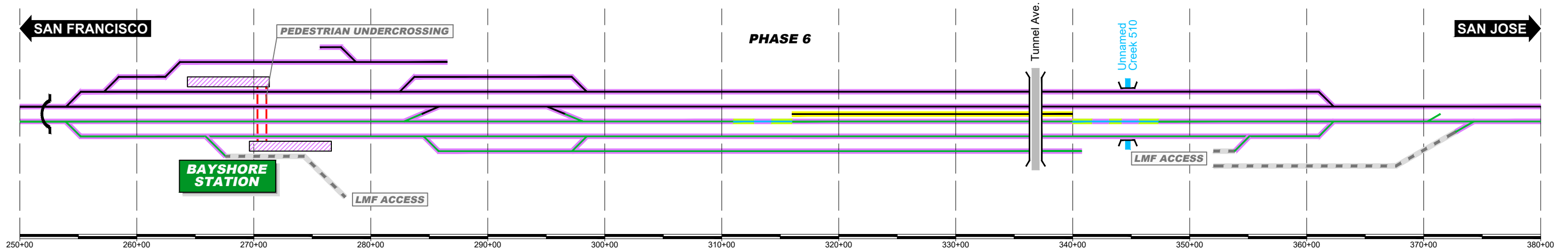
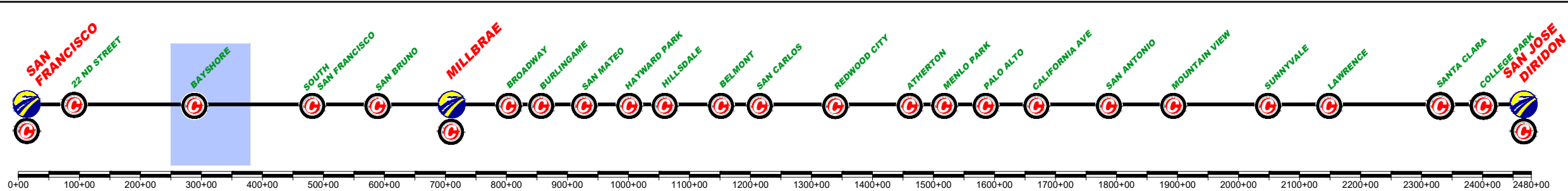
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**SAN FRANCISCO TO SAN JOSE**  
 BRISBANE LMF (WEST) ALTERNATIVE B  
 CONSTRUCTION PHASES  
 SCHEMES

CONTRACT NO.  
 DRAWING NO.  
**CV-16BRB-SCH-02**  
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 SHEET NO.  
**2 OF 4**

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



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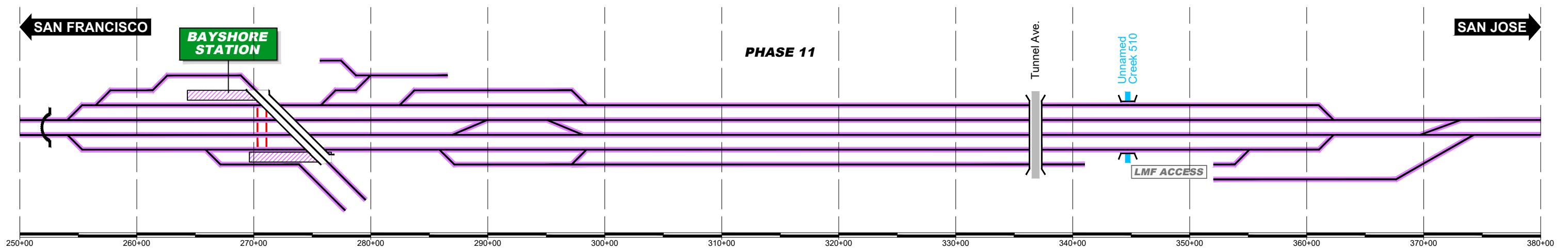
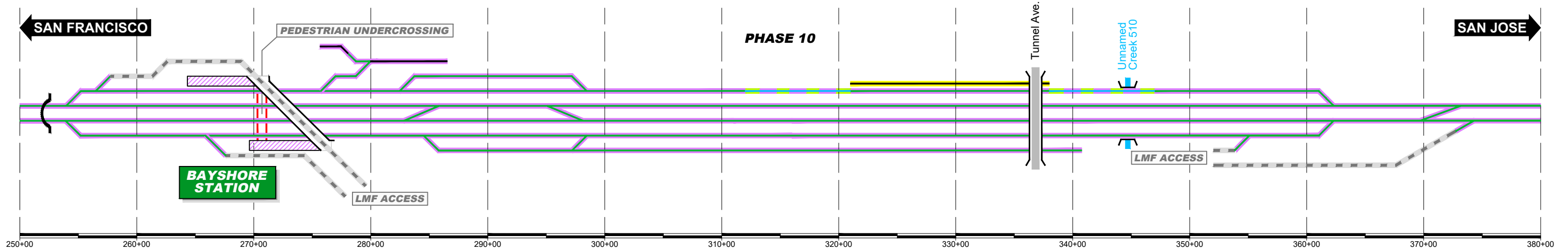
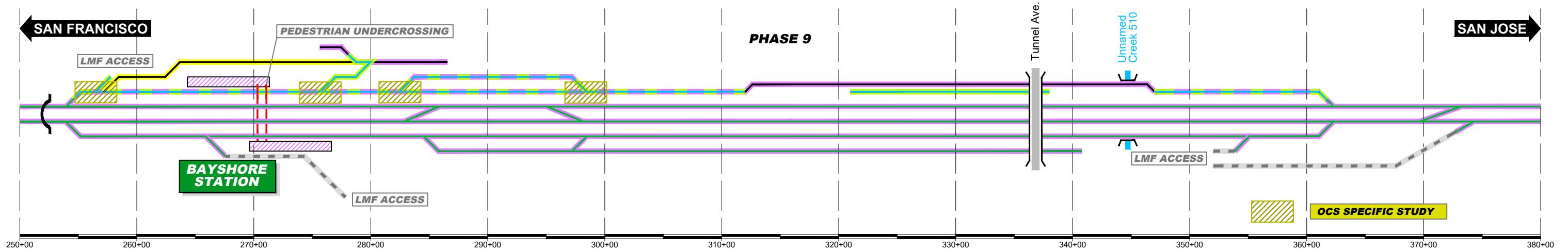
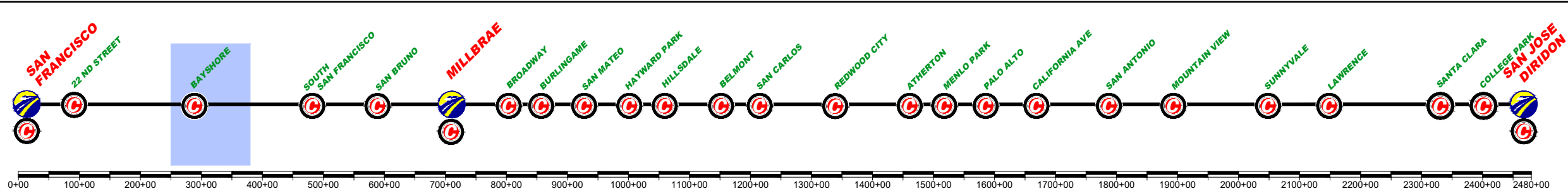
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**SAN FRANCISCO TO SAN JOSE**  
 BRISBANE LMF (WEST) ALTERNATIVE B  
 CONSTRUCTION PHASES  
 SCHEMES

CONTRACT NO.  
 DRAWING NO.  
**CV-16BRB-SCH-03**  
 SCALE  
**NOT TO SCALE**  
 SHEET NO.  
**3 OF 4**

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



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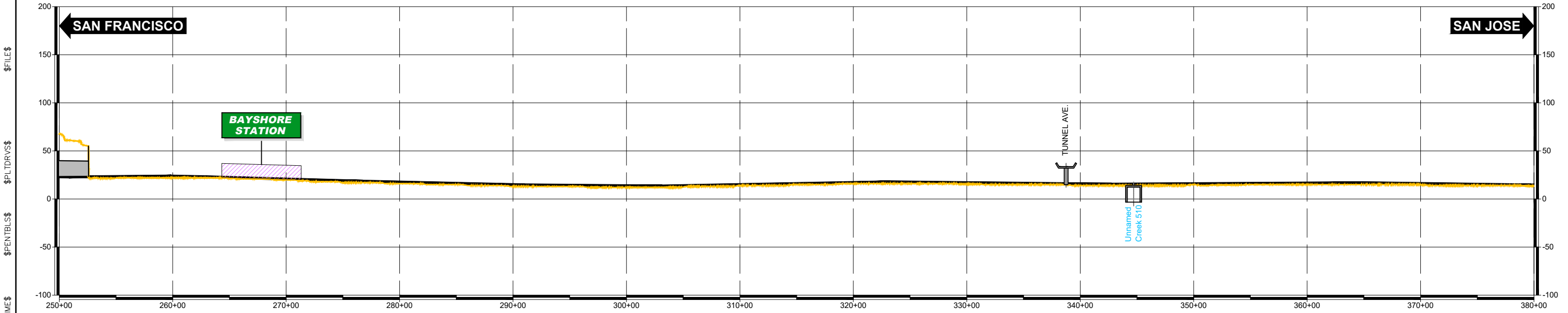
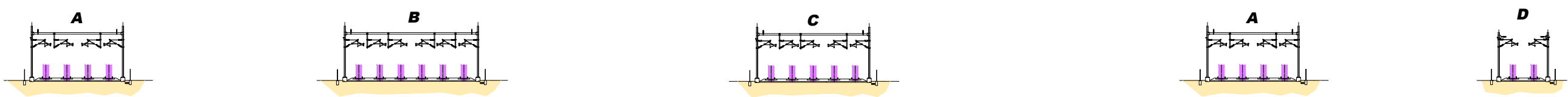
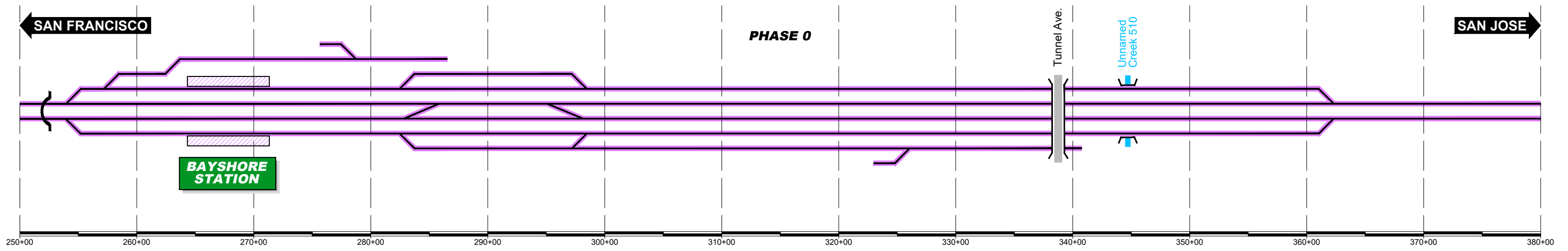
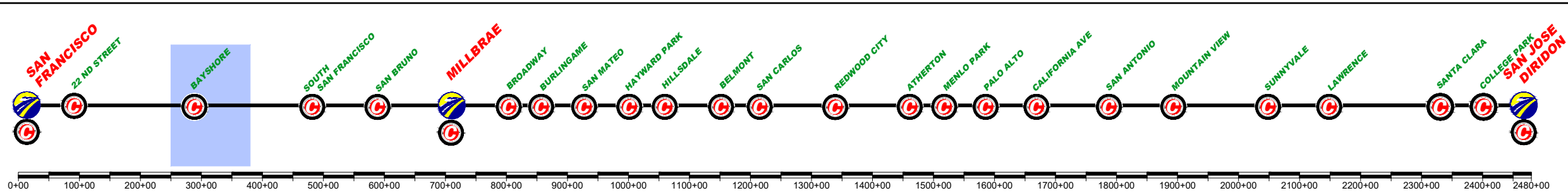
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN FRANCISCO TO SAN JOSE**  
 BRISBANE LMF (WEST) ALTERNATIVE B  
 CONSTRUCTION PHASES  
 SCHEMES

|                                       |
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| CONTRACT NO.                          |
| DRAWING NO.<br><b>CV-16BRB-SCH-04</b> |
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| SHEET NO.<br><b>4 OF 4</b>            |



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



| REV | DATE | BY | SUB | APP | DESCRIPTION |
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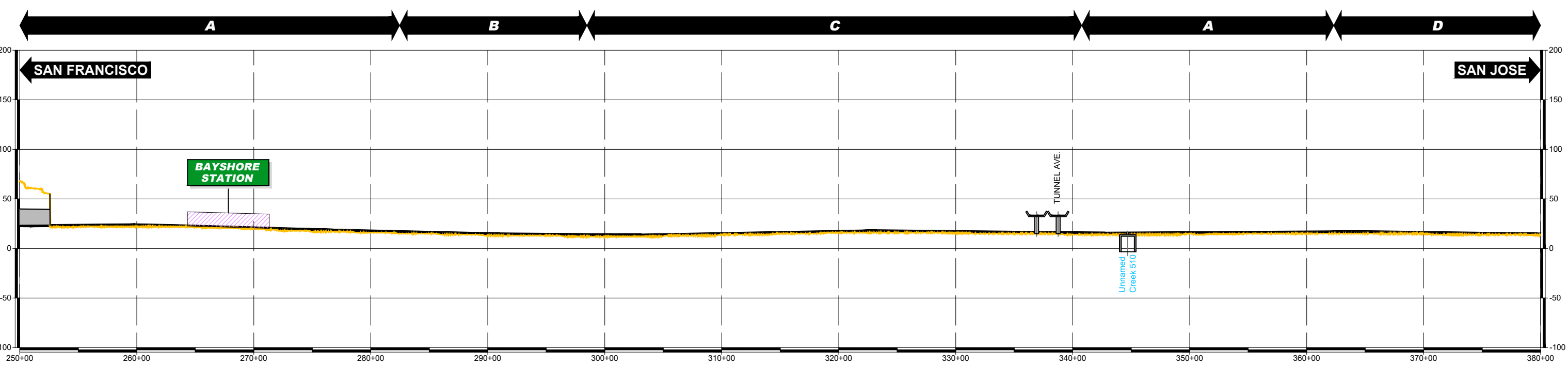
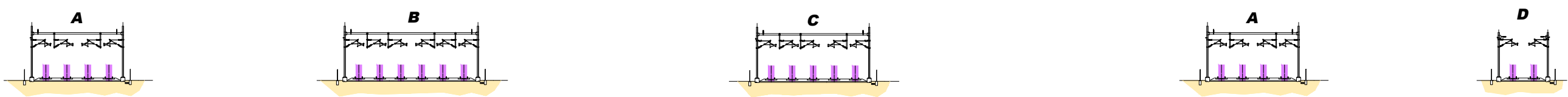
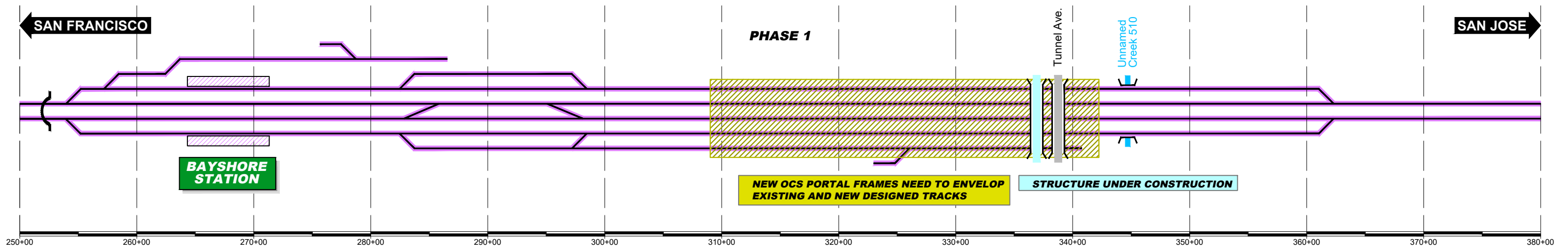
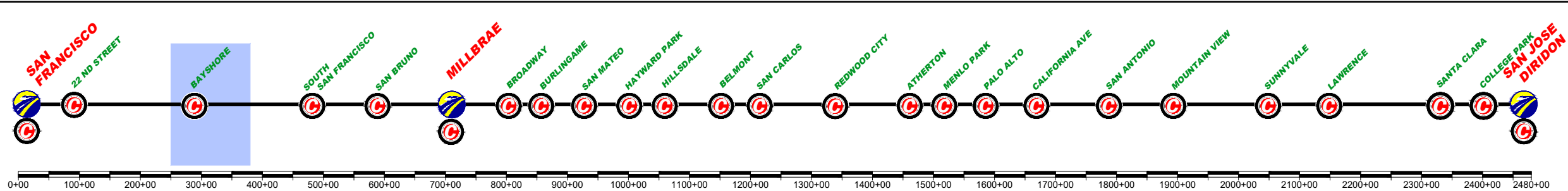
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 0

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-01 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 1 OF 12         |

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



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| DATE        | MAR/2019 |

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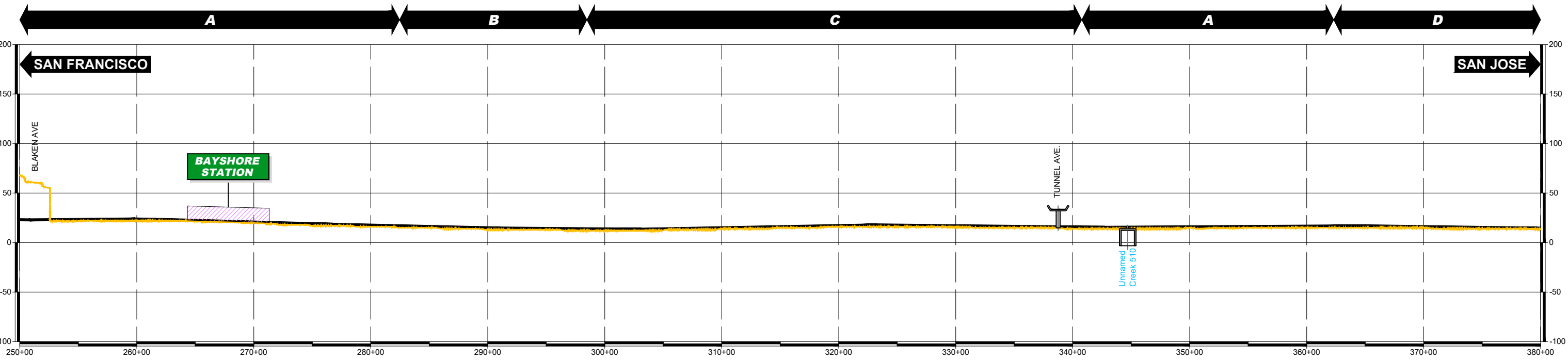
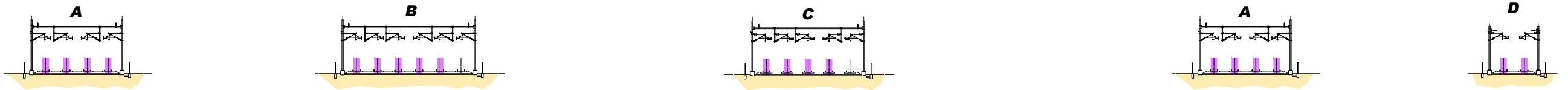
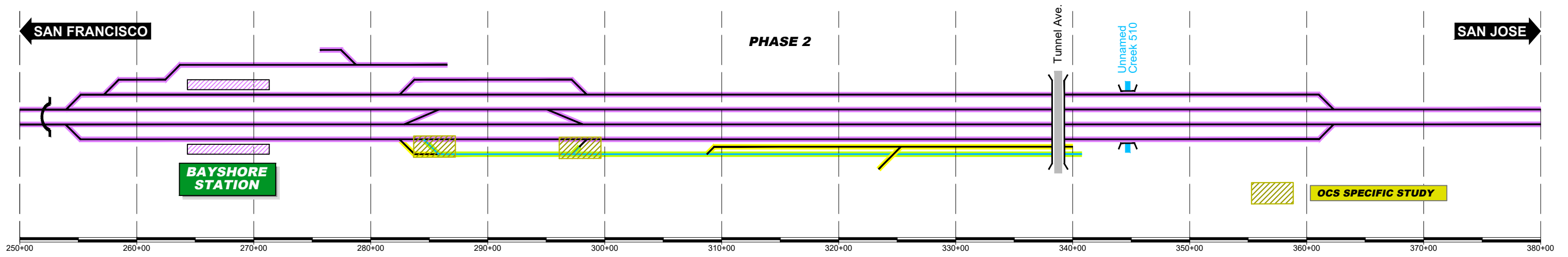
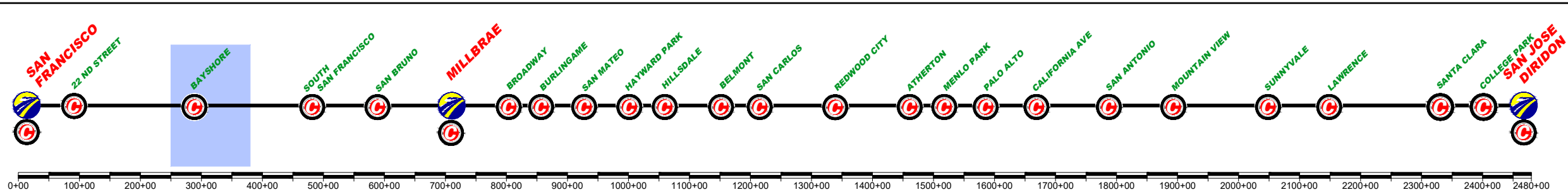
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 1

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-02 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 2 OF 12         |

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



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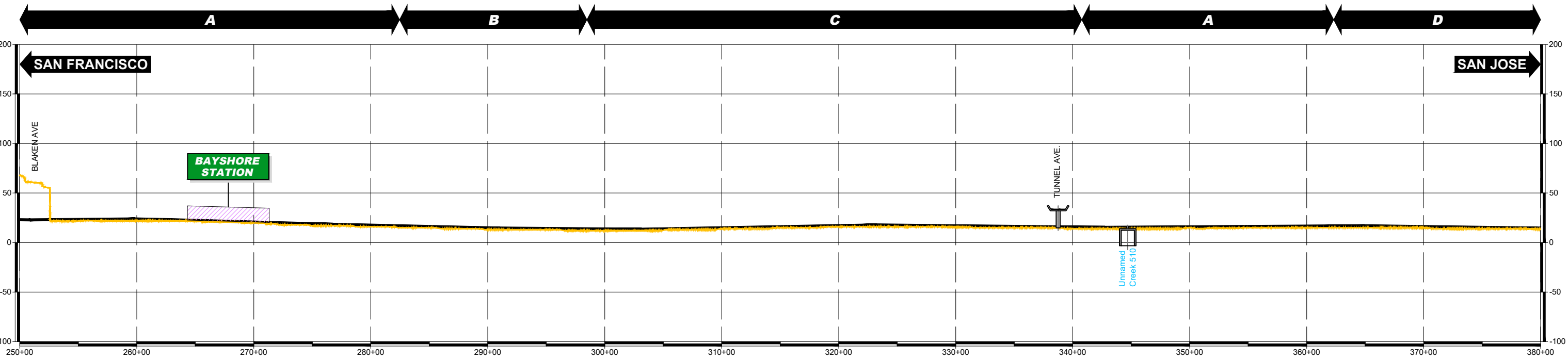
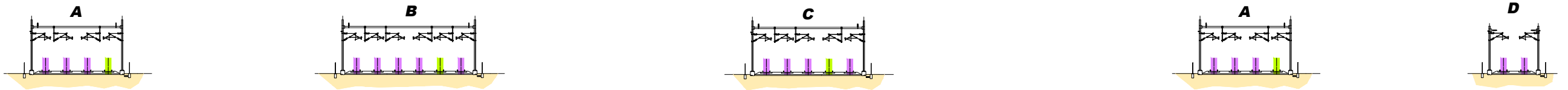
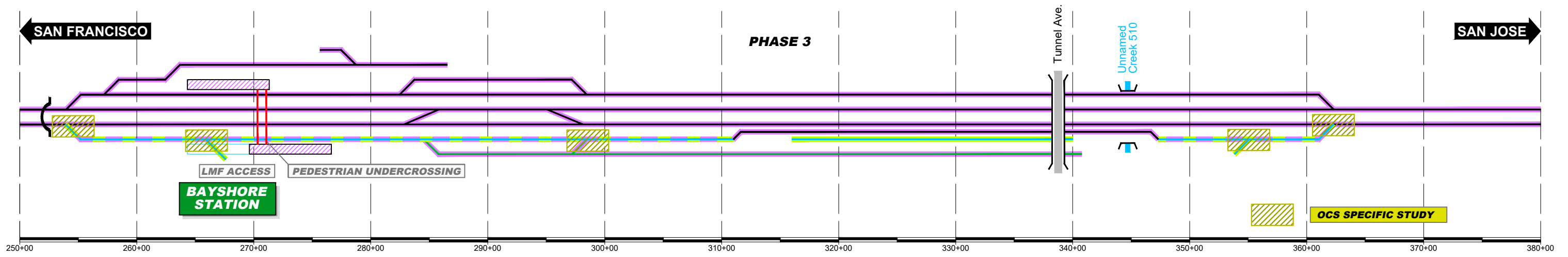
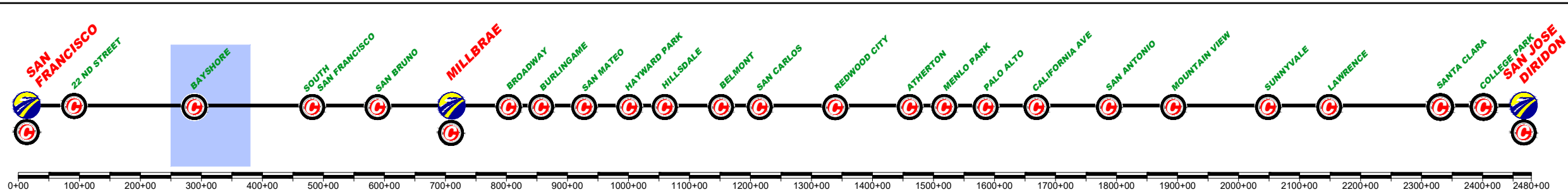
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 2

|                                       |
|---------------------------------------|
| CONTRACT NO.                          |
| DRAWING NO.<br><b>CV-16BRB-SPP-03</b> |
| SCALE<br><b>NOT TO SCALE</b>          |
| SHEET NO.<br><b>3 OF 12</b>           |

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



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| DATE        | MAR/2019 |

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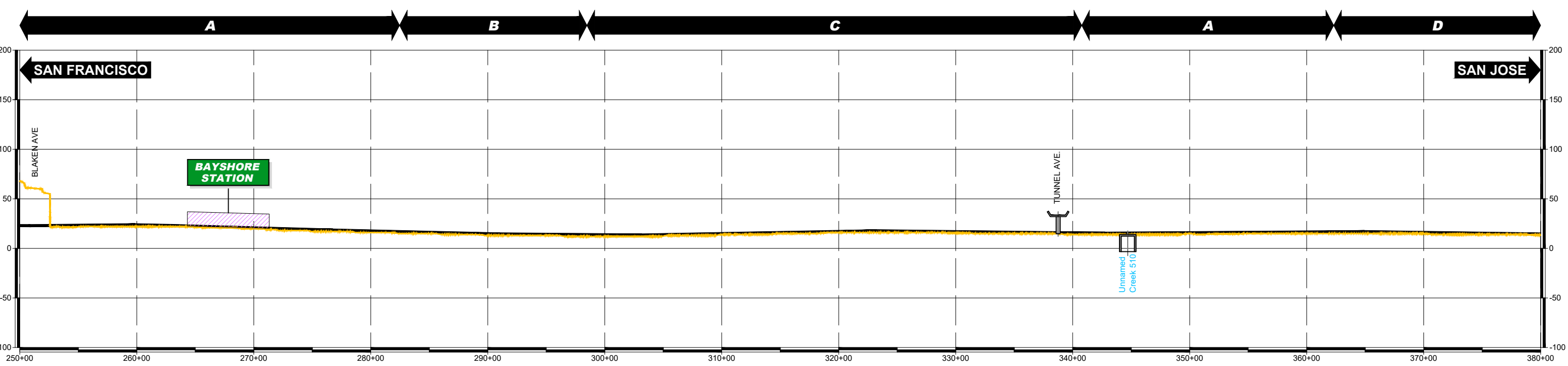
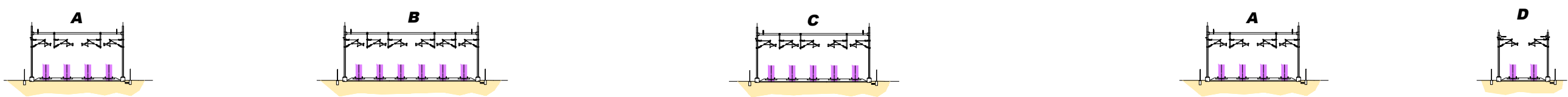
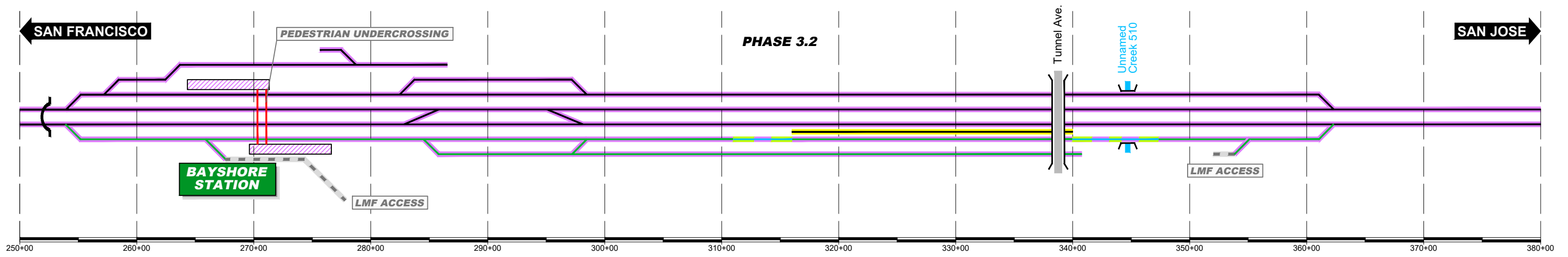
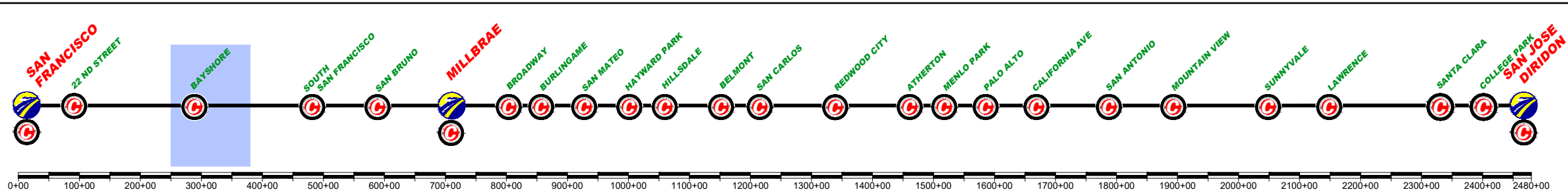
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 3

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-04 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 4 OF 12         |

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



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| DATE        | MAR/2019 |

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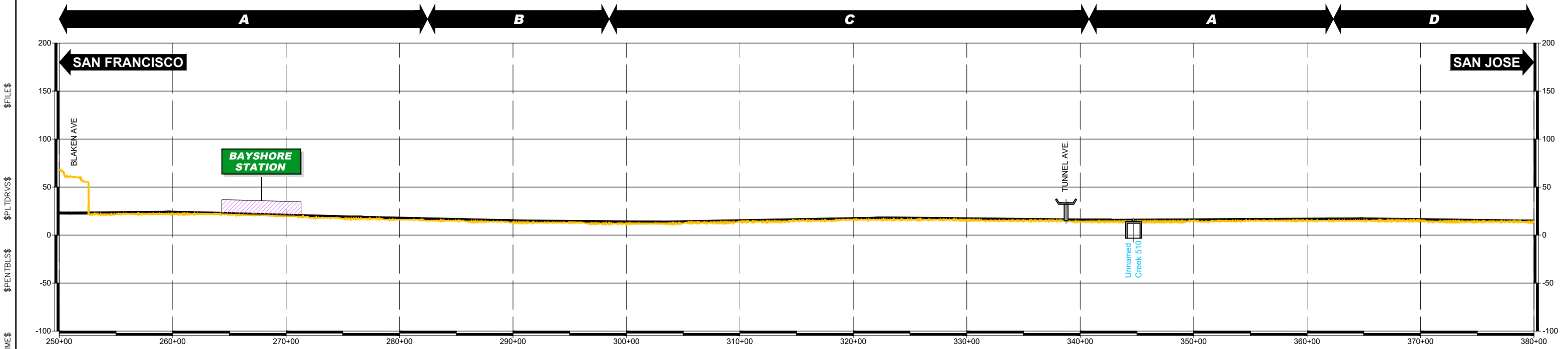
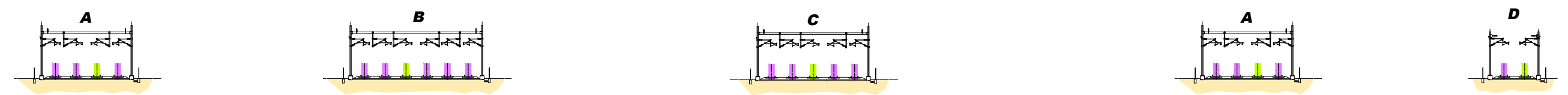
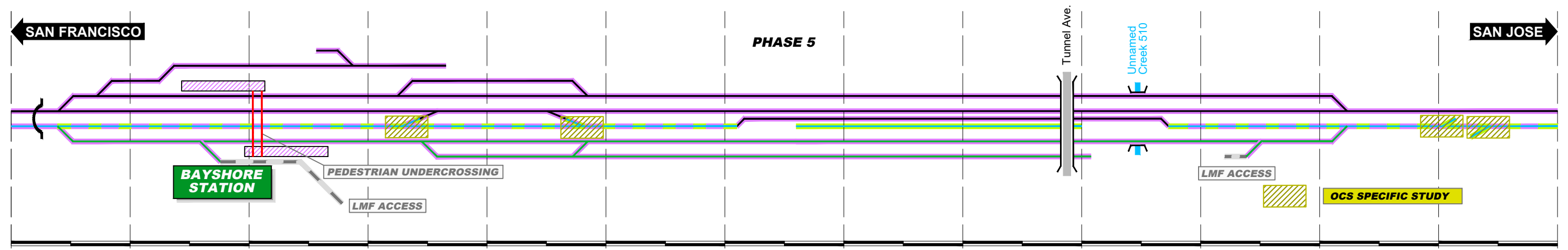
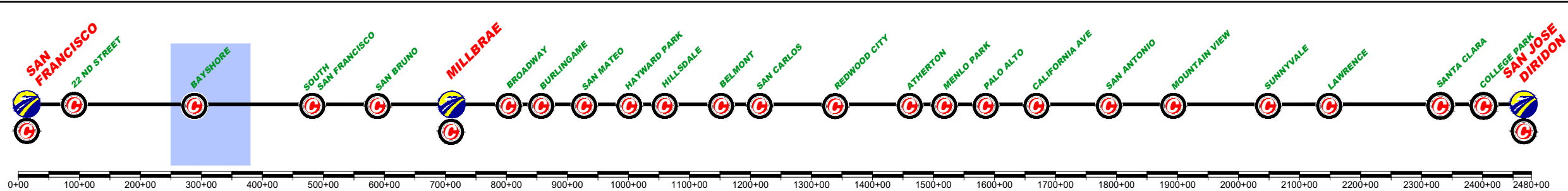
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 4

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-05 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 5 OF 12         |

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



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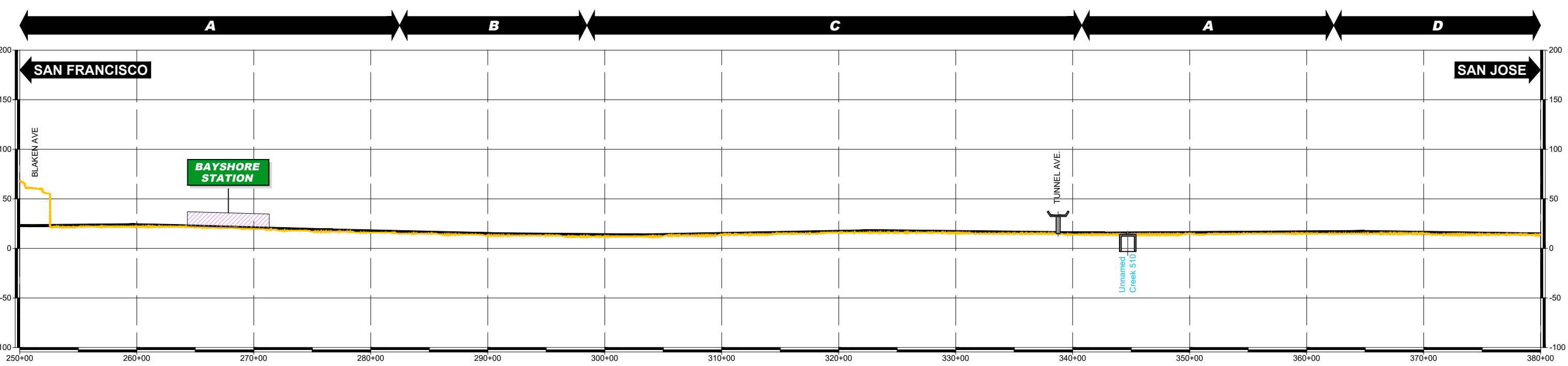
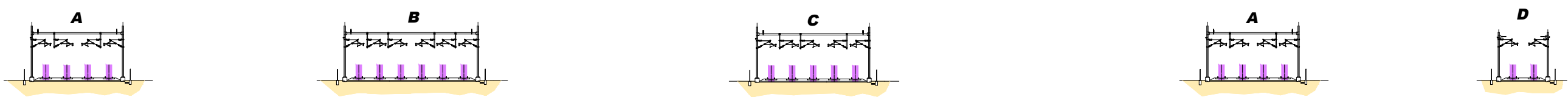
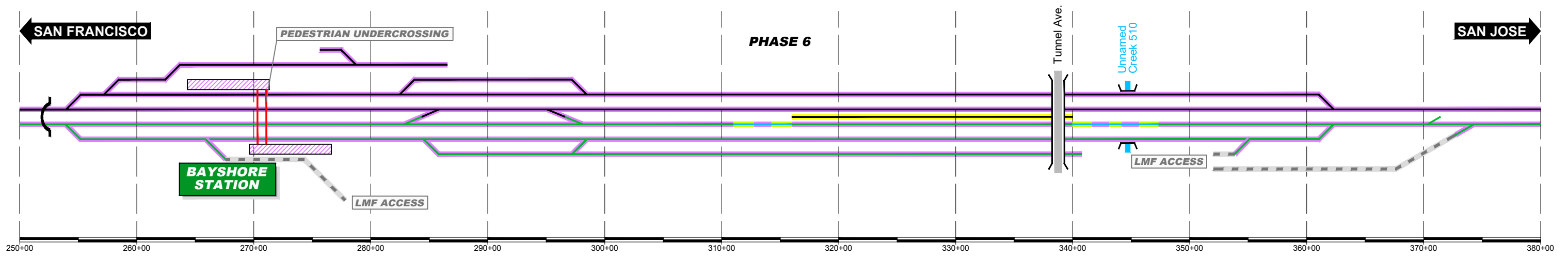
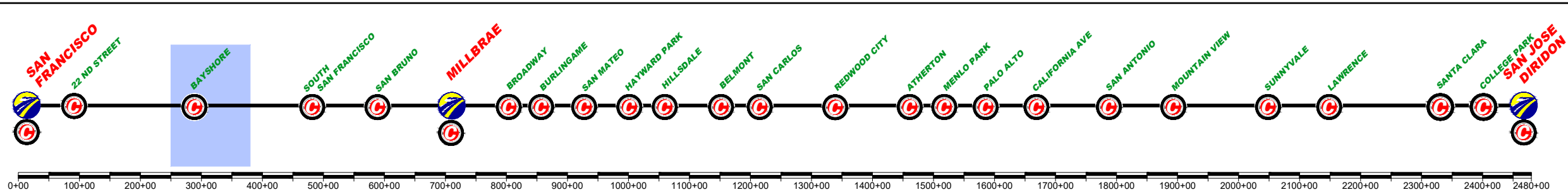
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 5

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-06 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 6 OF 12         |

|  |                              |  |                    |
|--|------------------------------|--|--------------------|
|  | CURRENT TRACK                |  | TRACK REMOVAL      |
|  | PROVISIONAL TRACK            |  | UNDER CONSTRUCTION |
|  | BUILT IN PREVIOUS PHASES     |  | CIRCULATION TRACK  |
|  | UNDER CONST + CIRCULATION T. |  |                    |

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|--|-----------------|--|----------------|
|  | OVERHEAD BRIDGE |  | TUNNEL         |
|  | MAJOR UNDERPASS |  | GRADE CROSSING |
|  | CREEK UNDERPASS |  | CURRENT ROW    |
|  |                 |  | TCE            |
|  |                 |  | ROW            |



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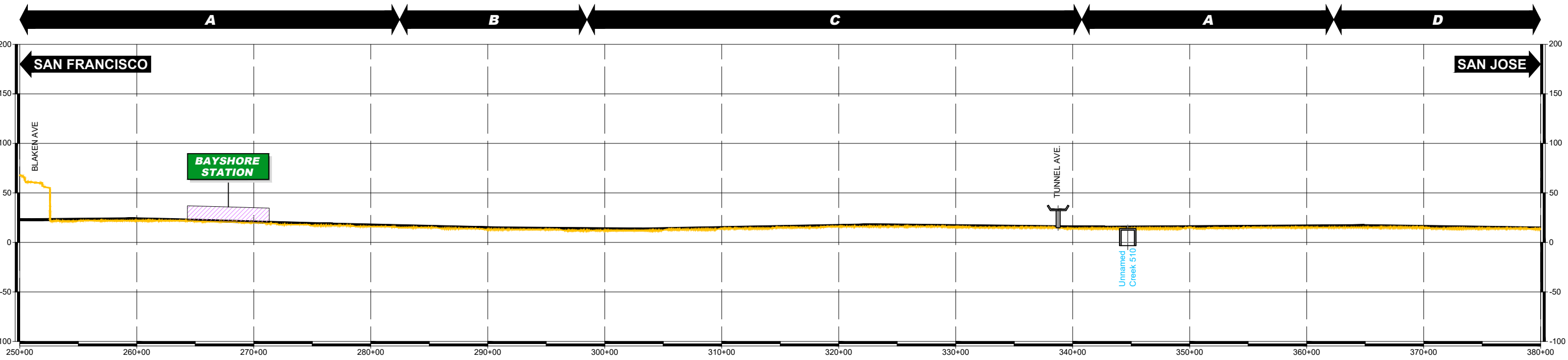
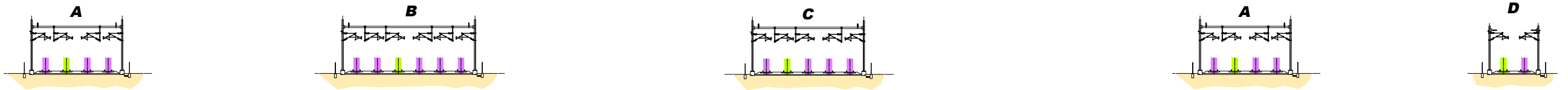
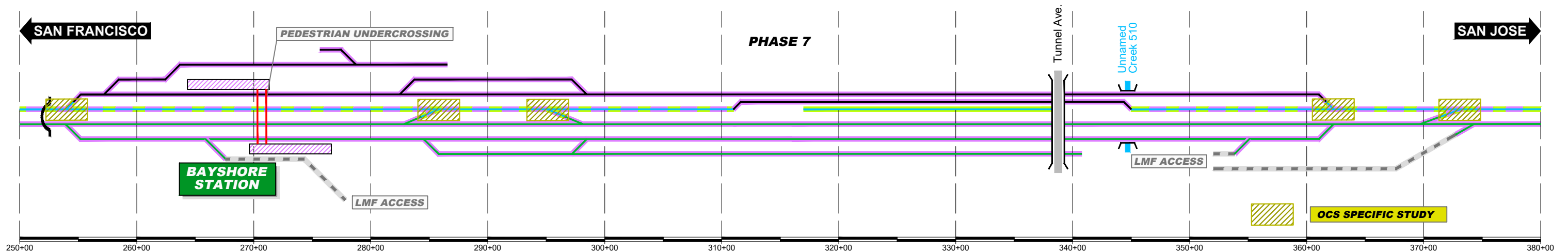
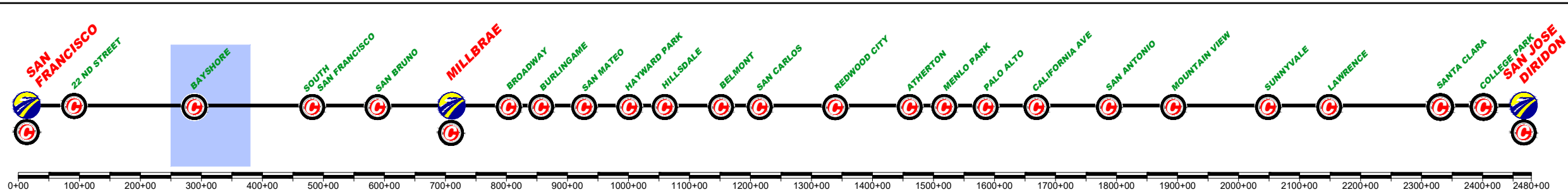
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 6

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-07 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 7 OF 12         |

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



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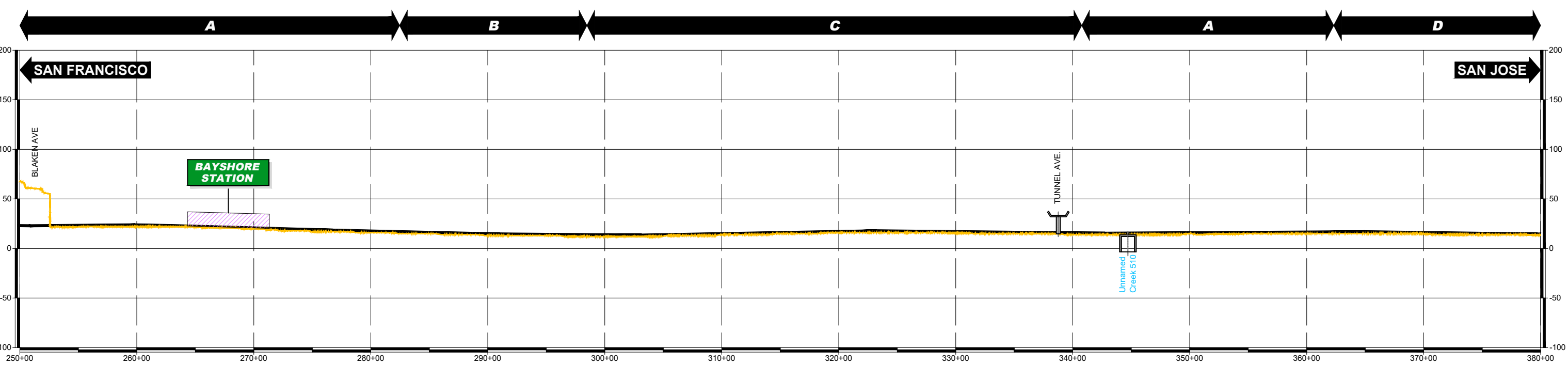
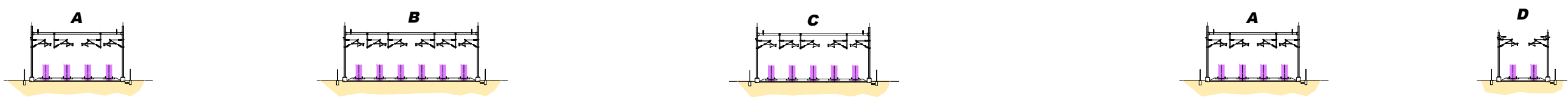
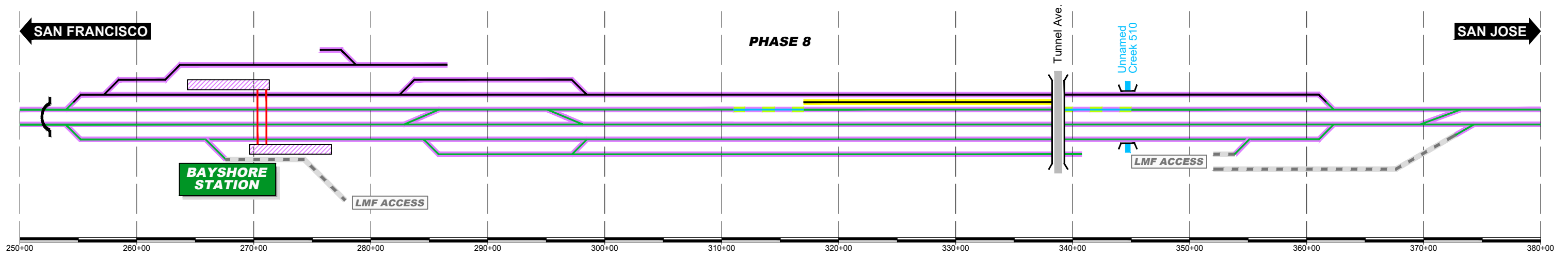
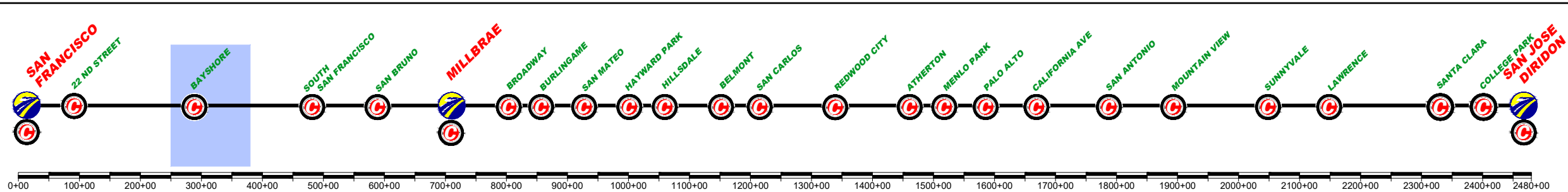
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 7

CONTRACT NO.  
DRAWING NO.  
**CV-16BRB-SPP-08**  
SCALE  
**NOT TO SCALE**  
SHEET NO.  
**8 OF 12**



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



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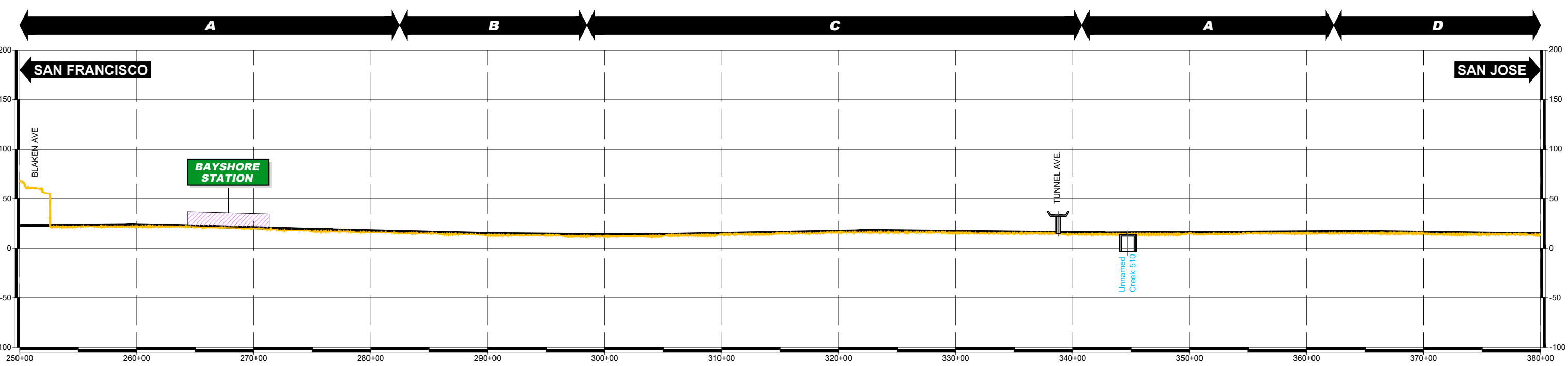
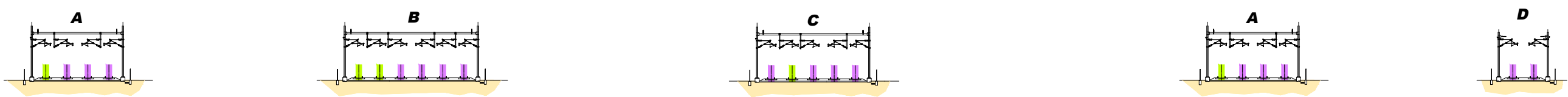
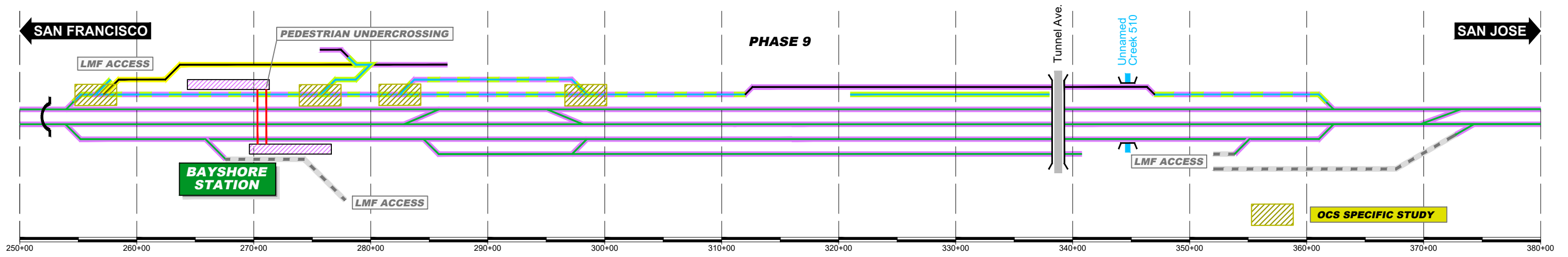
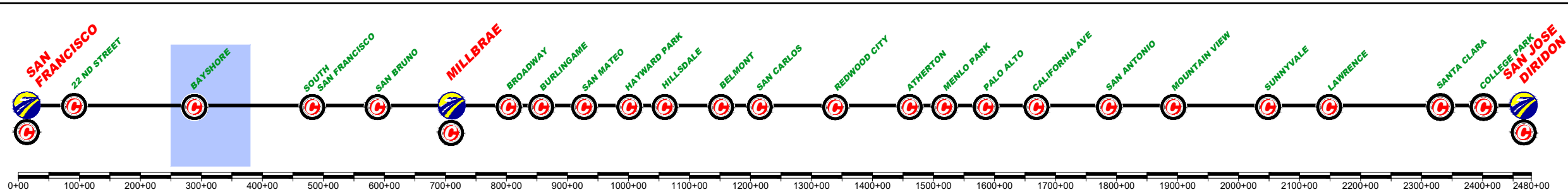
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 8

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-09 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 9 OF 12         |

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



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DATE  
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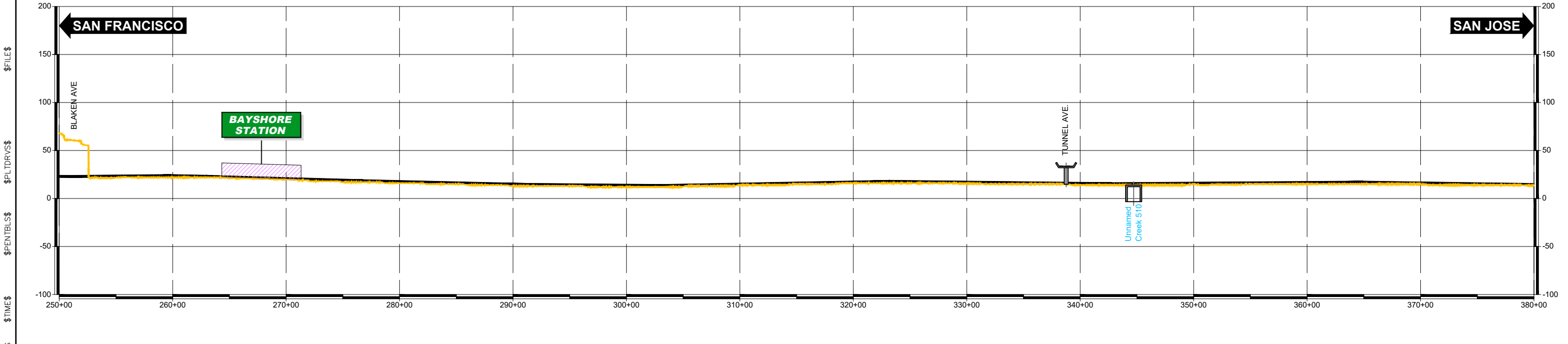
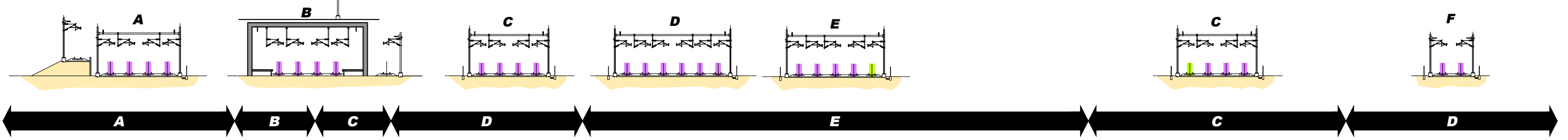
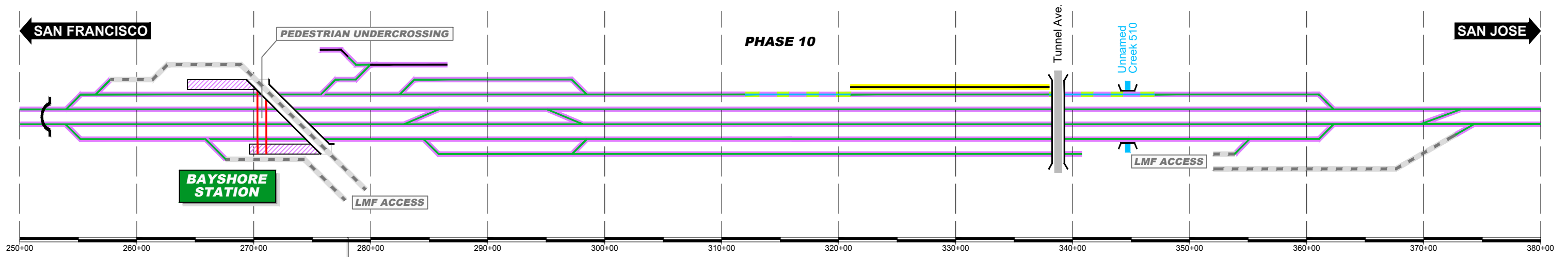
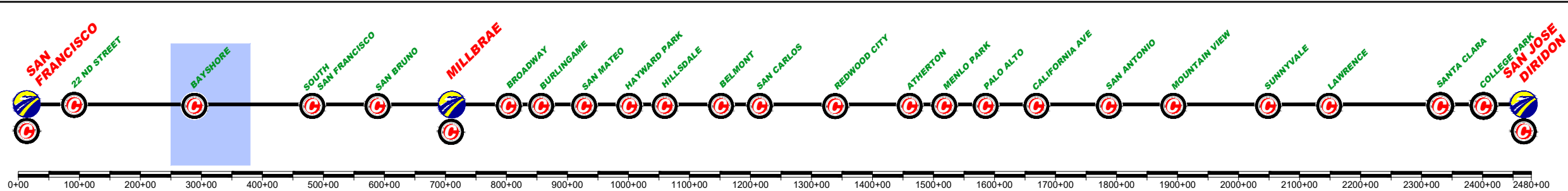
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 9

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|---------------------------------------|
| CONTRACT NO.                          |
| DRAWING NO.<br><b>CV-16BRB-SPP-10</b> |
| SCALE<br><b>NOT TO SCALE</b>          |
| SHEET NO.<br><b>10 OF 12</b>          |

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



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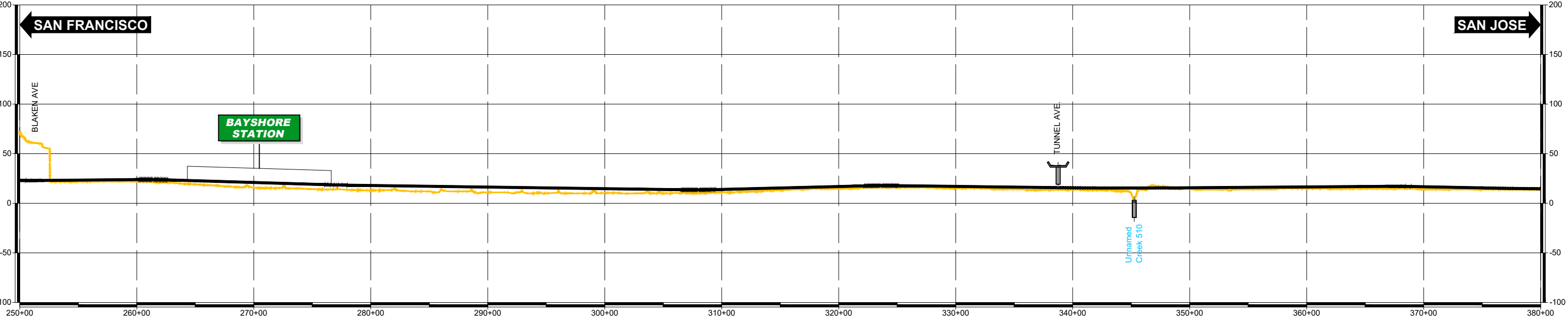
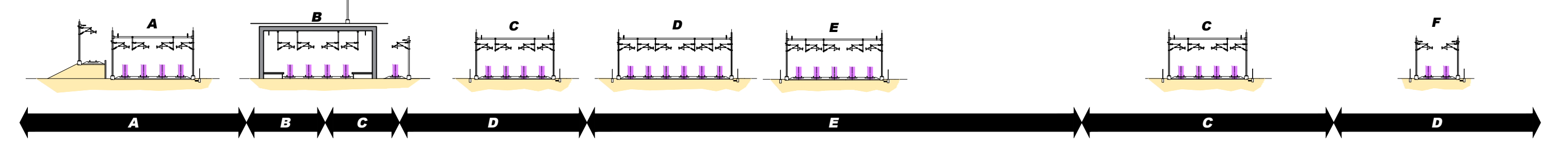
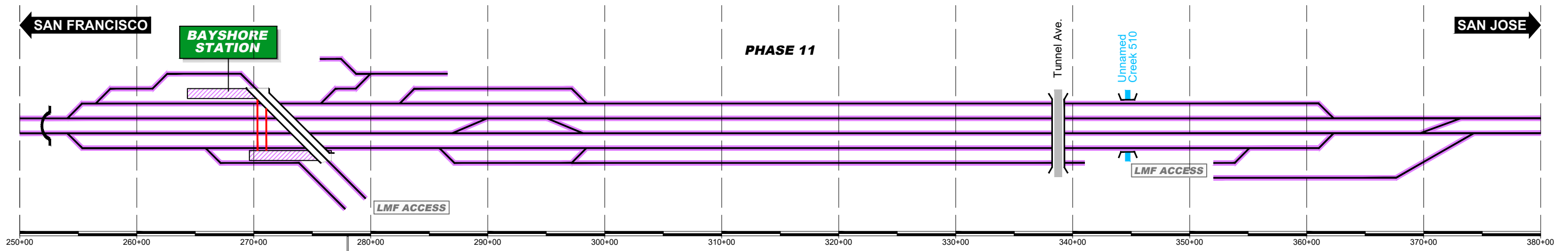
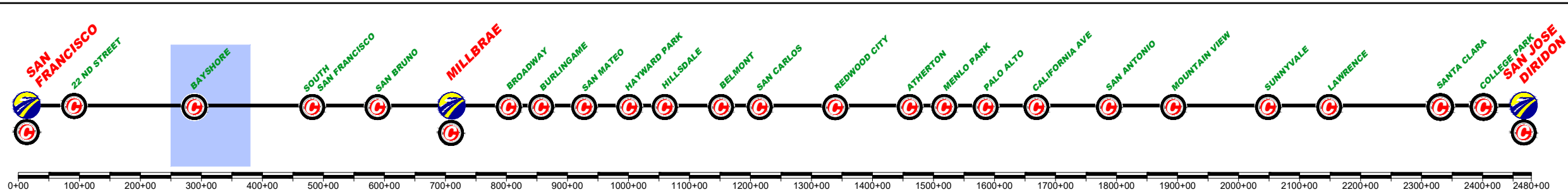
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**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 10

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-11 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 11 OF 12        |

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



| REV | DATE | BY | SUB | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------|
|     |      |    |     |     |             |

|             |          |
|-------------|----------|
| DESIGNED BY |          |
| DRAWN BY    |          |
| CHECKED BY  |          |
| IN CHARGE   |          |
| DATE        | MAR/2019 |

DRAFT PEPD  
SUBMITTAL  
FOR INTERNAL  
USE ONLY

NOT FOR  
CONSTRUCTION

**prontec** 12 Burgos Ave.  
11th Floor  
Madrid, SP 28036

**HNTB** 1111 Broadway  
9th Floor  
Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT**  
**SAN FRANCISCO TO SAN JOSE**  
BRISBANE LMF (WEST) ALTERNATIVE B  
CONSTRUCTION PHASES  
PLAN AND PROFILE SCHEME  
PHASE 11

|              |                 |
|--------------|-----------------|
| CONTRACT NO. |                 |
| DRAWING NO.  | CV-16BRB-SPP-12 |
| SCALE        | NOT TO SCALE    |
| SHEET NO.    | 12 OF 12        |