

## Appendix B

BART Silicon Valley Phase 1 Berryessa Extension Project  
Preliminary Engineering Comparison Plans and Profiles



Appendix B  
 BART Silicon Valley Phase 1 Berryessa Extension Project  
 Preliminary Engineering Comparison Plans and Profiles  
 Index of Drawings

B-3	BART Silicon Valley – Phase 1 Berryessa Extension STA 12+00 to 42+00	B-13	BART Silicon Valley – Phase 1 Berryessa Extension STA 222+00 to 252+00	B-20	BART Silicon Valley – Phase 1 Berryessa Extension STA 372+00 to 402+00
B-4	BART Silicon Valley – Phase 1 Berryessa Extension STA 42+00 to 72+00	B-14	System Facilities at Railroad Court	B-21	BART Silicon Valley – Phase 1 Berryessa Extension STA 402+00 to 432+00
B-5	BART Silicon Valley – Phase 1 Berryessa Extension STA 72+00 to 102+00	B-15	BART Silicon Valley – Phase 1 Berryessa Extension STA 282+00 to 312+00	B-22	BART Silicon Valley – Phase 1 Berryessa Extension STA 432+00 to 462+00
B-6	BART Silicon Valley – Phase 1 Berryessa Extension STA 102+00 to 132+00	B-16	BART Silicon Valley – Phase 1 Berryessa Extension STA 312+00 to 342+00	B-23	BART Silicon Valley – Phase 1 Berryessa Extension STA 462+00 to 492+00
B-7	BART Silicon Valley – Phase 1 Berryessa Extension STA 132+00 to 162+00	B-17A	Wye with Spur Connection Option STA 342+00 to 372+00	B-24	BART Silicon Valley – Phase 1 Berryessa Extension STA 492+00 to 522+00
B-8	Dixon Landing Road BART in Retained Cut Option: Sheet 1 of 2	B-17B	Wye and Industrial Lead Option STA 342+00 to 372+00	B-25	BART Silicon Valley – Phase 1 Berryessa Extension STA 522+00 to 552+00
B-9	Dixon Landing Road BART in Retained Cut Option: Sheet 2 of 2	B-17C	No Wye/Industrial Lead Only Option STA 342+00 to 372+00	B-26	BART Silicon Valley – Phase 1 Berryessa Extension STA 552+00 to 570+00
B-10	Dixon Landing Road BART At Grade Cut Option: Sheet 1 of 3	B-18A	Relocated Milpitas Wye: Wye with Spur Connection Option	B-27	115KV Overhead Line Relocation at Las Plumas: Sheet 1 of 1.
B-11	Dixon Landing Road BART At Grade Cut Option: Sheet 2 of 3	B-18B	Wye and Industrial Lead Option		
B-12	Dixon Landing Road BART At Grade Cut Option: Sheet 3 of 3	B-18C	No Wye/Industrial Lead Only Option		
		B-19	115KV Overhead Line Relocation at Montague: Sheet 1 of 1		



user:\mtr\me  
user:\mtr\me  
drawing

10/20/10, A Sep 17, 2010 - 11:28am C:\pwr\_swork\jgarc\sbarron\plan\2010\BERRYSSA\_P1\_B-3.dwg

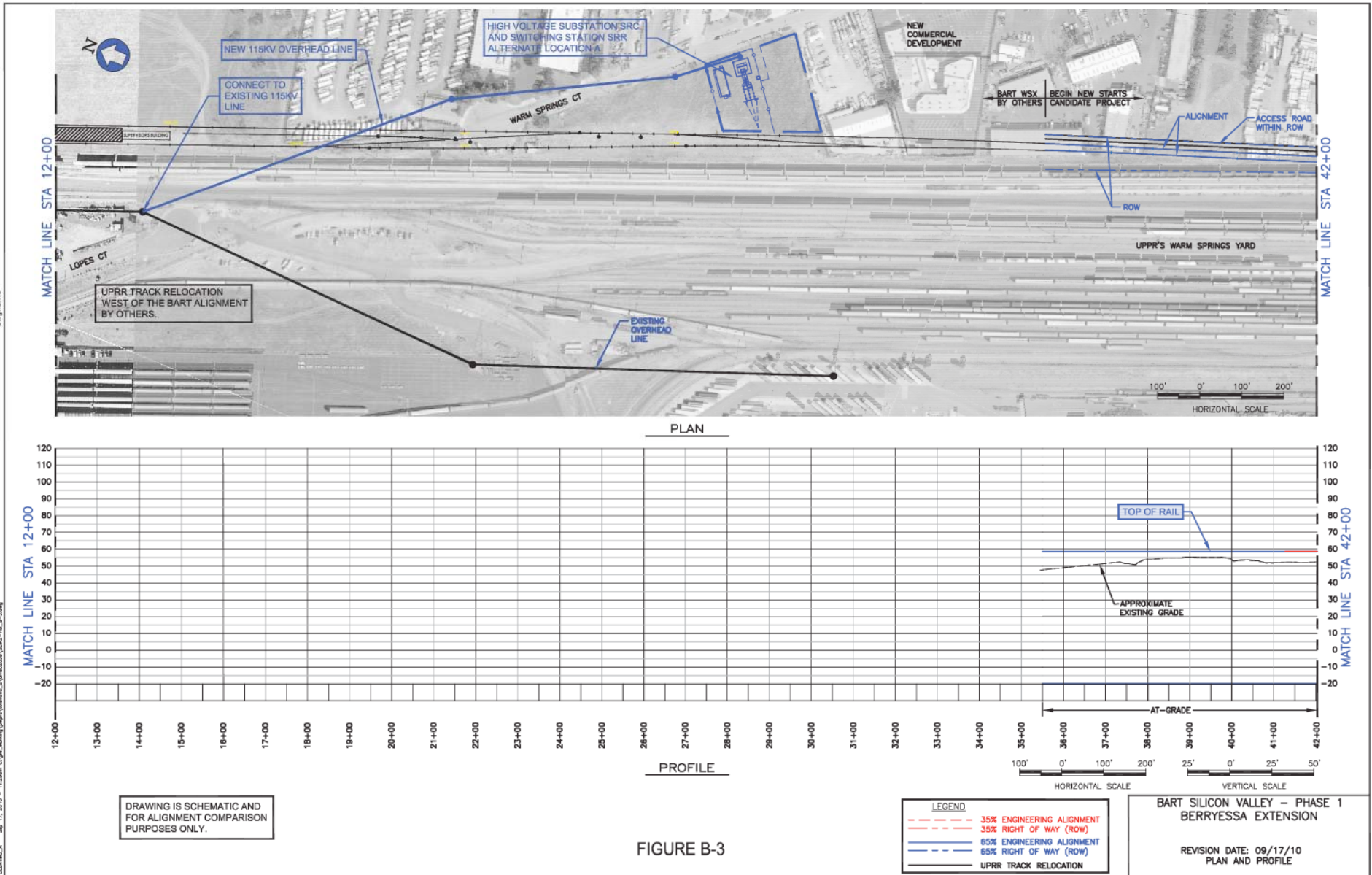
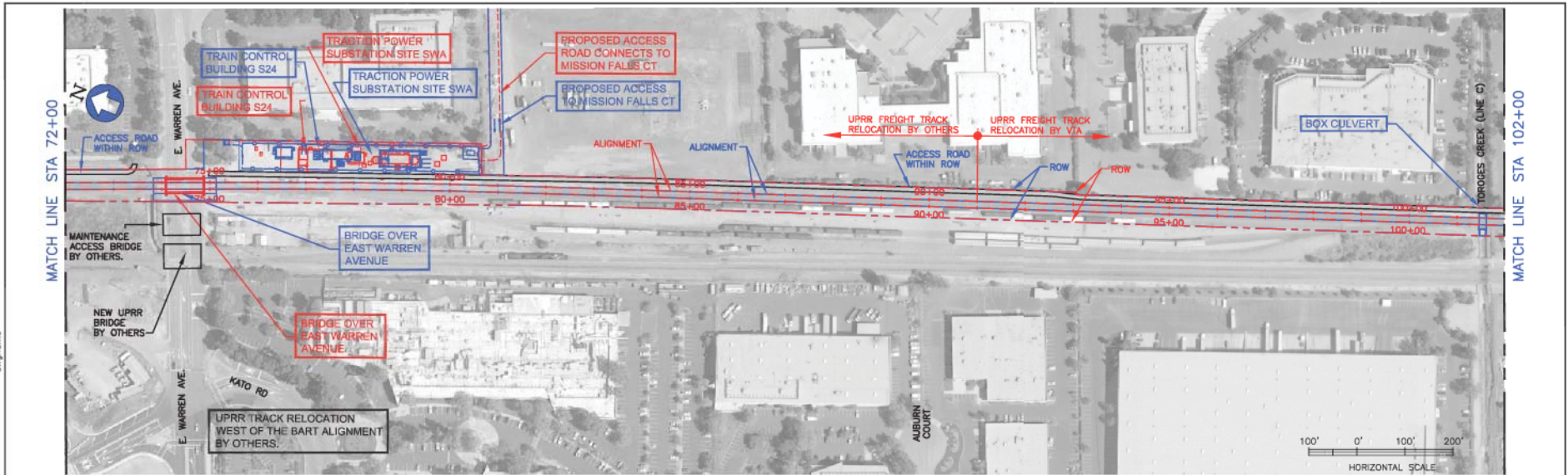


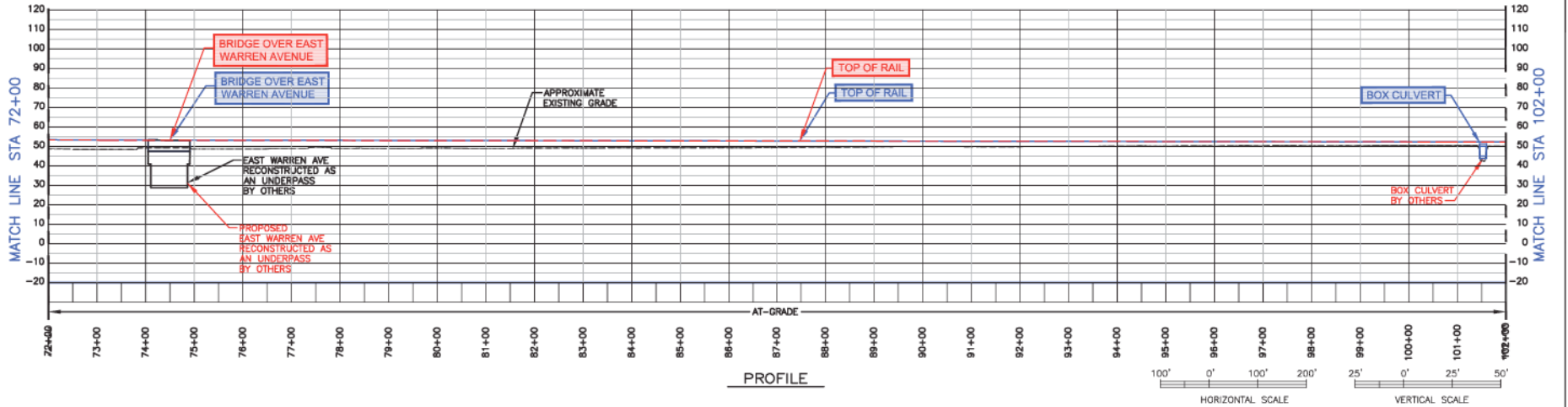
FIGURE B-3



user: name  
date: time  
program: name



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (dashed red)	35% ENGINEERING ALIGNMENT
--- (dashed blue)	35% RIGHT OF WAY (ROW)
--- (dashed red)	65% ENGINEERING ALIGNMENT
--- (dashed blue)	65% RIGHT OF WAY (ROW)
--- (dashed black)	UPRR TRACK RELOCATION

**BART SILICON VALLEY -- PHASE 1 BERRYESSA EXTENSION**

REVISION DATE: 09/03/10  
PLAN AND PROFILE

FIGURE B-5

09/03/10 10:55am C:\Users\jgibson\Documents\Bart\_Silicon\_Valley\_Phase\_1\_Berryessa\_Extension\Bart\_Silicon\_Valley\_Phase\_1\_Berryessa\_Extension\Figures\B-5\_Plan\_Profile.dwg

user name  
drawing name  
drawing

09/03/2010 4:45pm \\nas-bv\proj\B552-H2-B-4.dwg

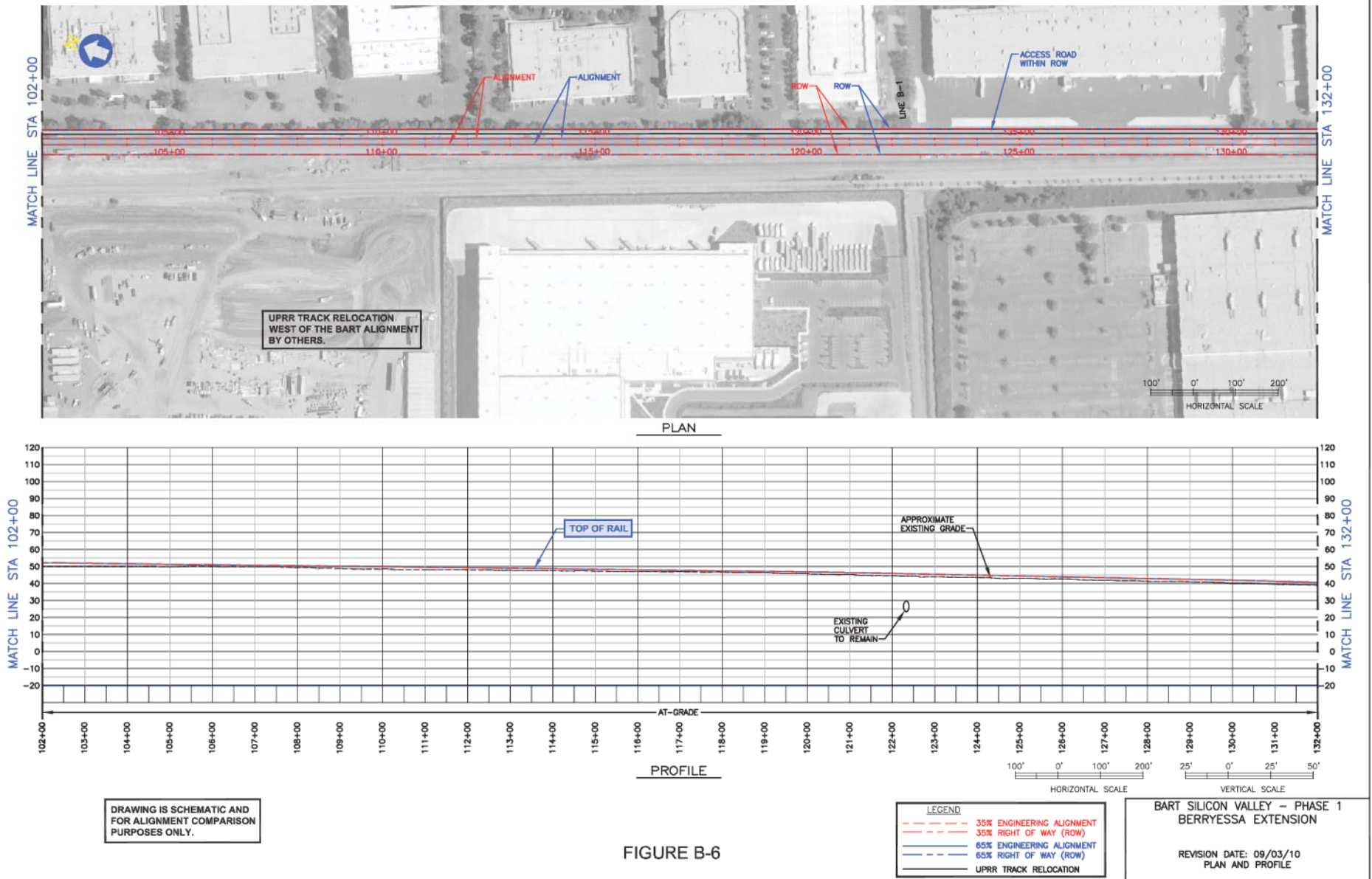
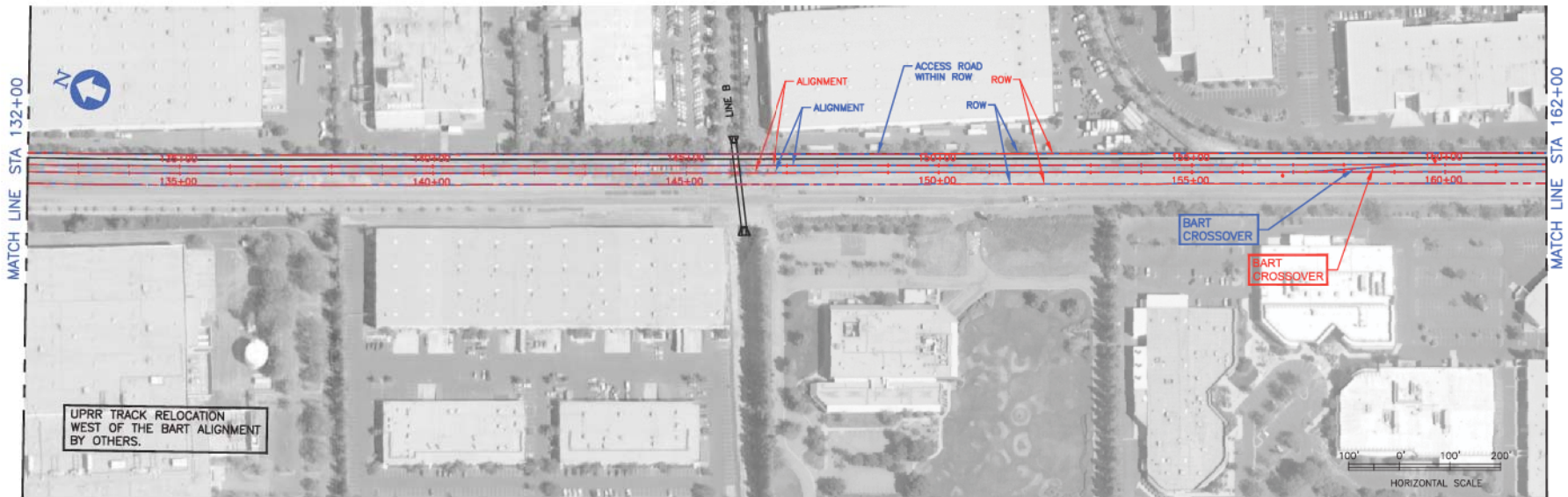


FIGURE B-6

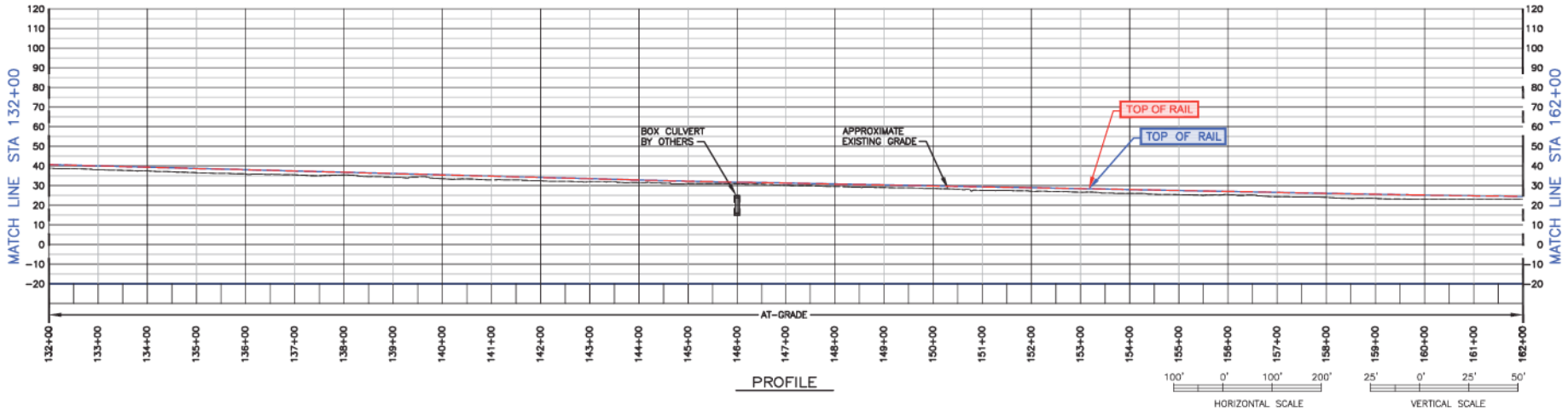


user:\mario  
user:\mario  
g:\mario

09/03/10 10:45:28 AM C:\Users\mario\Documents\BART\_SV\BERRYESSA\_EXTENSION\BERRYESSA\_EXTENSION.dwg



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

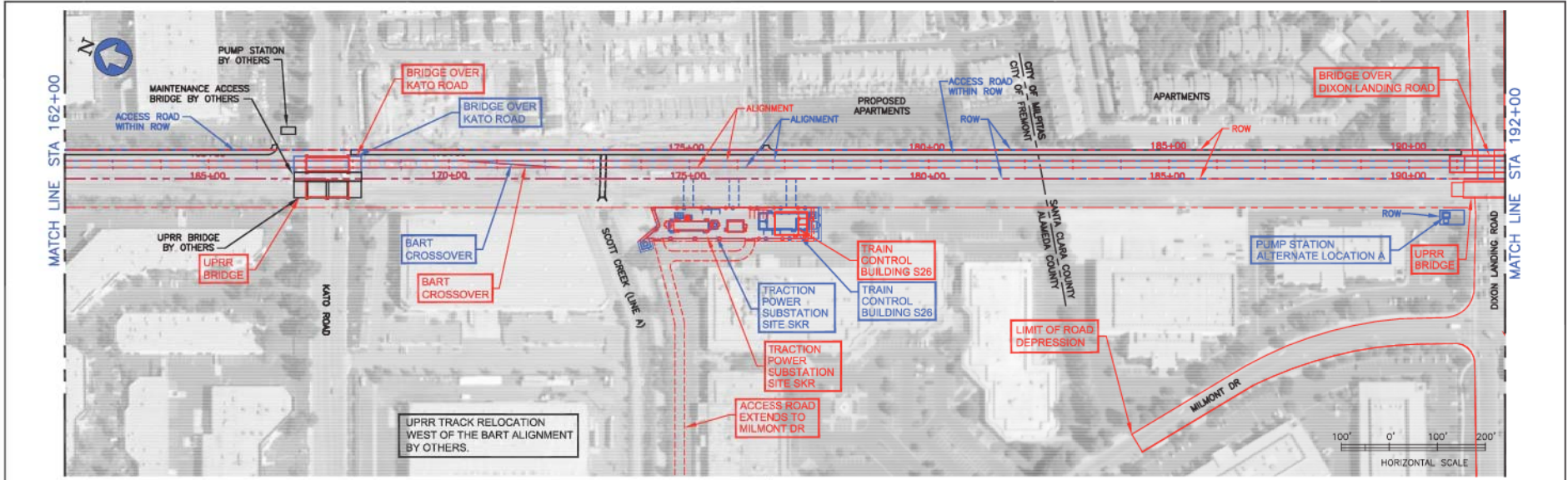
LEGEND

- - - - 35% ENGINEERING ALIGNMENT
- - - - 35% RIGHT OF WAY (ROW)
- - - - 65% ENGINEERING ALIGNMENT
- - - - 65% RIGHT OF WAY (ROW)
- — — — UPRR TRACK RELOCATION

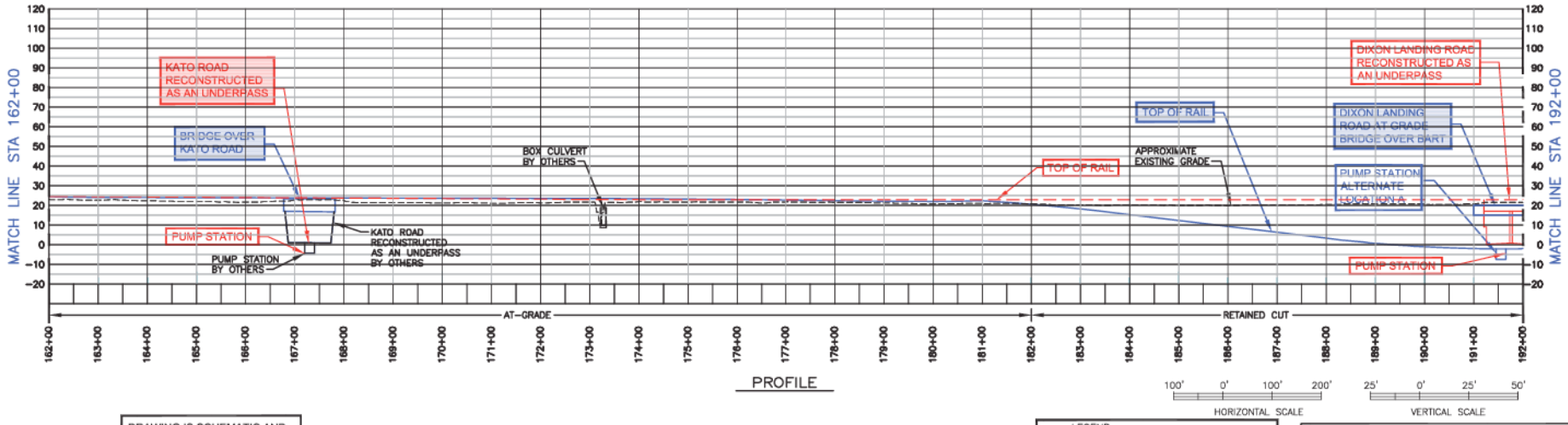
BART SILICON VALLEY – PHASE 1  
BERRYESSA EXTENSION

REVISION DATE: 09/03/10  
PLAN AND PROFILE

FIGURE B-7



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
<span style="color: red;">---</span>	35% ENGINEERING ALIGNMENT
<span style="color: red;">---</span>	35% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	65% ENGINEERING ALIGNMENT
<span style="color: blue;">---</span>	65% RIGHT OF WAY (ROW)
<span style="color: black;">---</span>	UPRR TRACK RELOCATION

BART SILICON VALLEY - PHASE 1  
 BERRYESSA EXTENSION  
 DIXON LANDING ROAD  
 BART IN RETAINED CUT OPTION SHEET 1 OF 2  
 IN REVISION DATE: 09/03/10  
 PLAN AND PROFILE

FIGURE B-8

Sep 03, 2010 4:42pm C:\Users\jg2010\Documents\BART\BERRYESSA\BERRYESSA\BART\_SILICON\_VALLEY\_PHASE\_1\_EXTENSION\BERRYESSA\_EXTENSION\BART\_IN\_RETAINED\_CUT\_OPTION\_SHEET\_1\_OF\_2\_Plan\_Profile.dwg

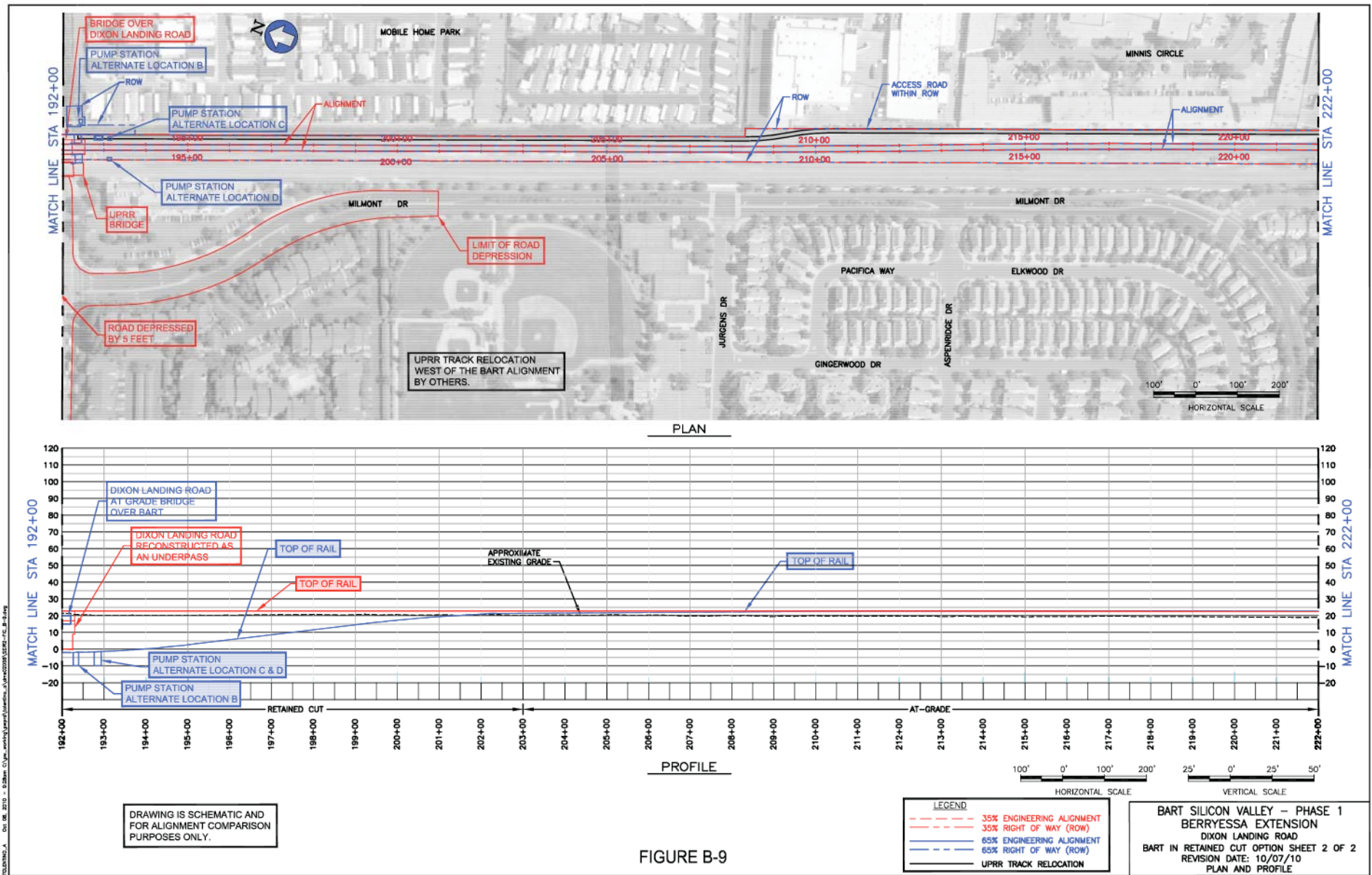
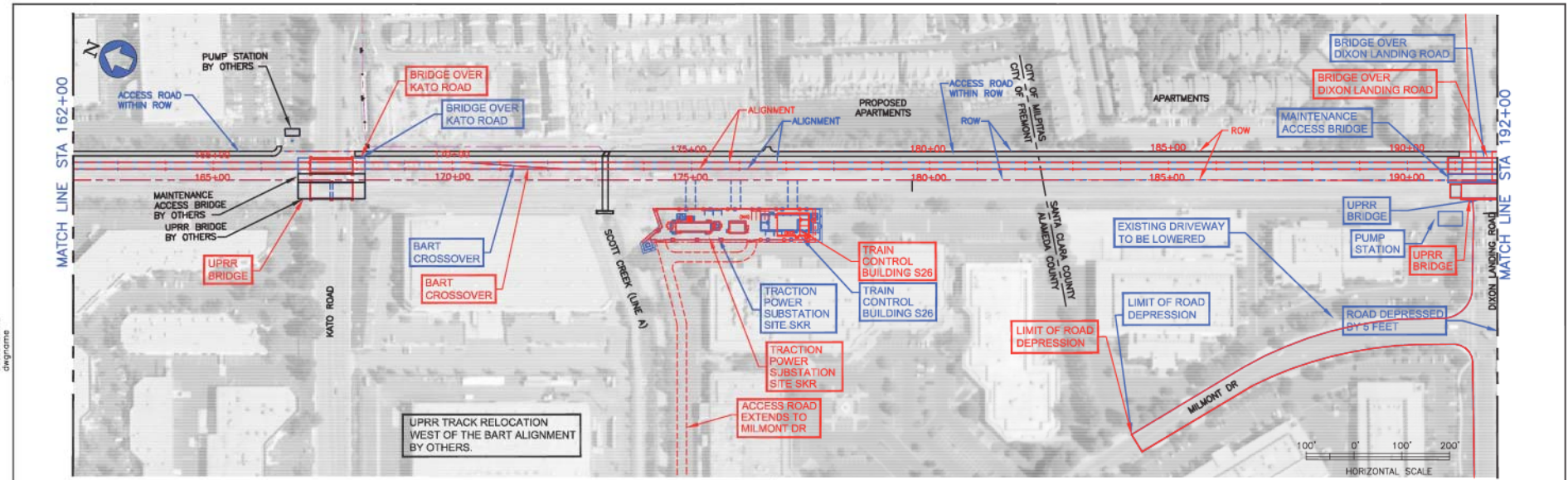


FIGURE B-9

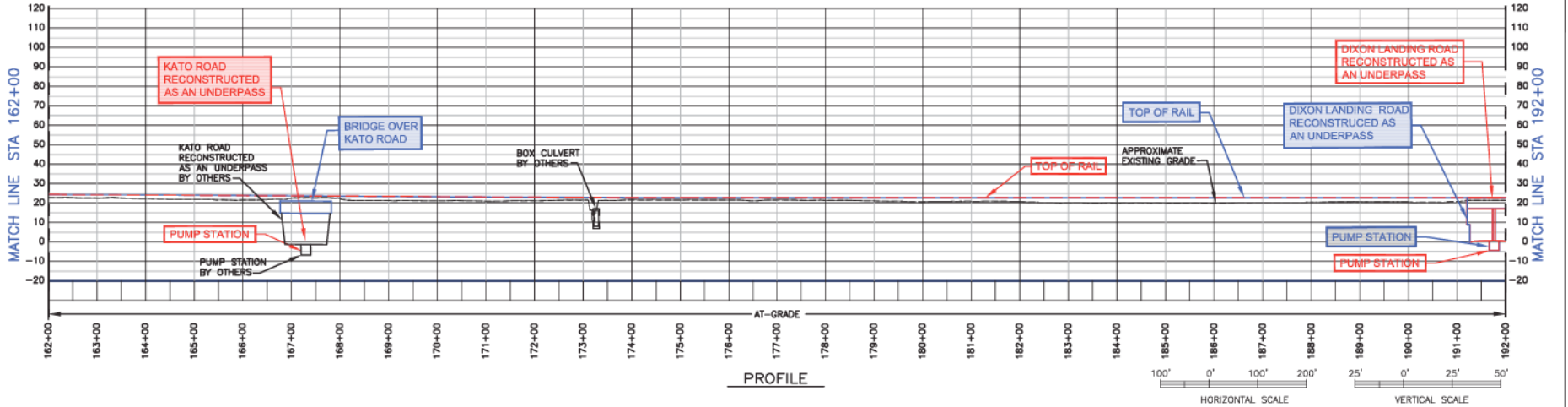
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

T:\02\1010\_A Oct 08 2010 - 8:58am C:\puc\work\berryessa\1010a\1010a\_01\1010a\_01\1010a\_01\_1010a\_01.dwg

user:\mname  
d:\mname  
g:\mname



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
<span style="color: red;">---</span>	35% ENGINEERING ALIGNMENT
<span style="color: red;">---</span>	35% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	65% ENGINEERING ALIGNMENT
<span style="color: blue;">---</span>	65% RIGHT OF WAY (ROW)
<span style="color: black;">---</span>	UPRR TRACK RELOCATION

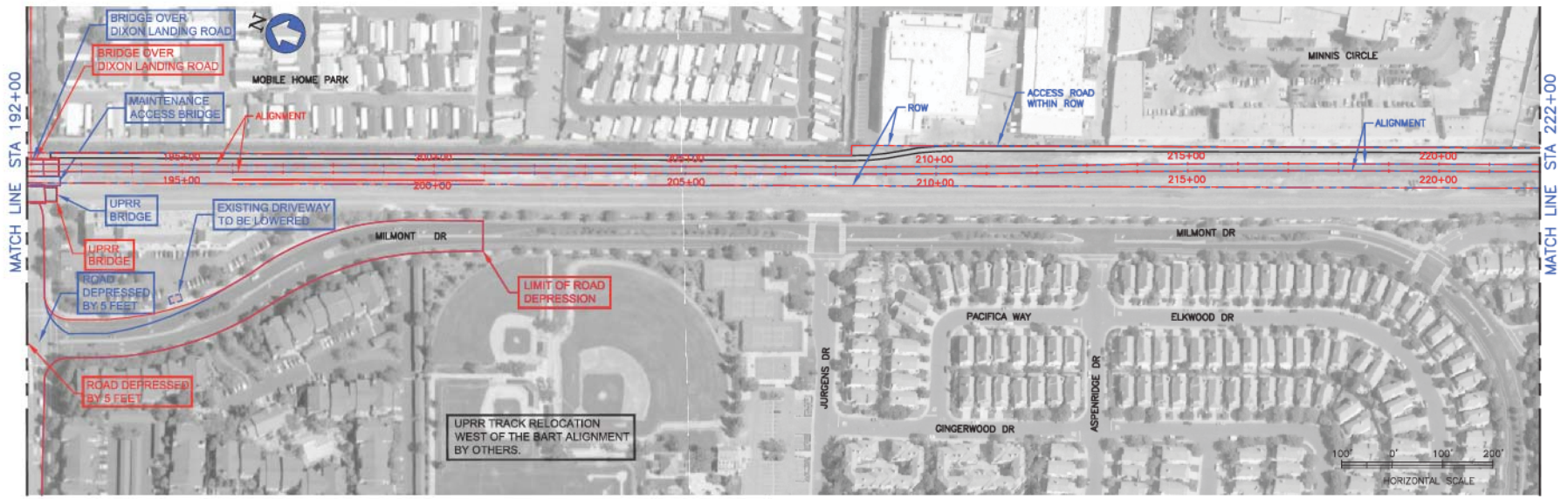
**BART SILICON VALLEY -- PHASE 1  
BERRYESSA EXTENSION**  
DIXON LANDING ROAD  
BART AT GRADE OPTION SHEET 1 OF 3  
REVISION DATE: 09/03/10  
PLAN AND PROFILE

FIGURE B-10

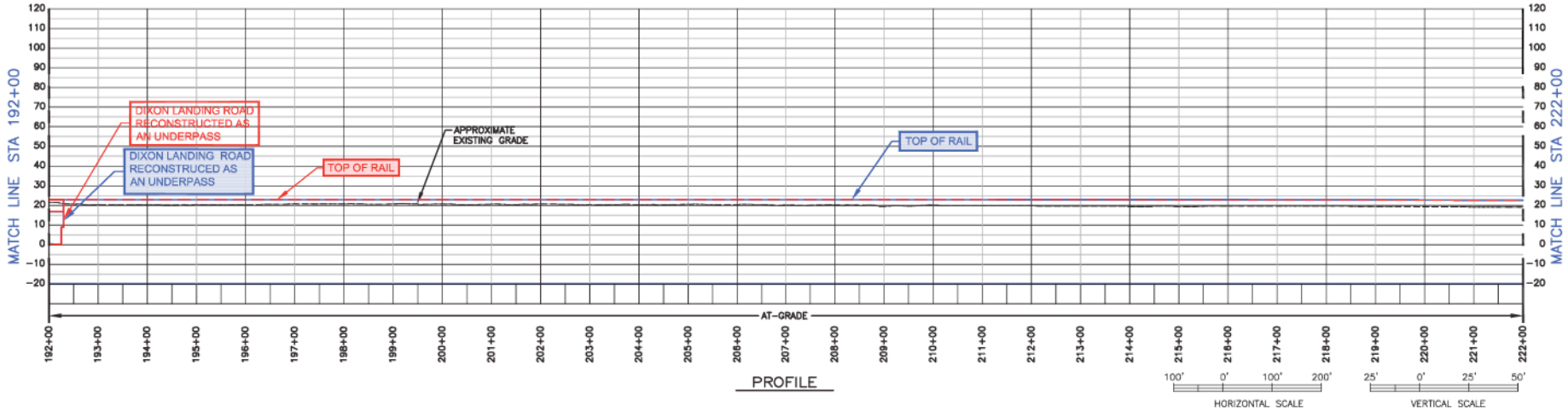
Sep 03, 2010 4:53pm \\s:\mname\BERRYESSA\BERRYESSA\_10.dwg

user:\name  
drawing

09/03/2010 4:52pm \\nas-bv\proj\B052-NE-11.dwg



PLAN



PROFILE

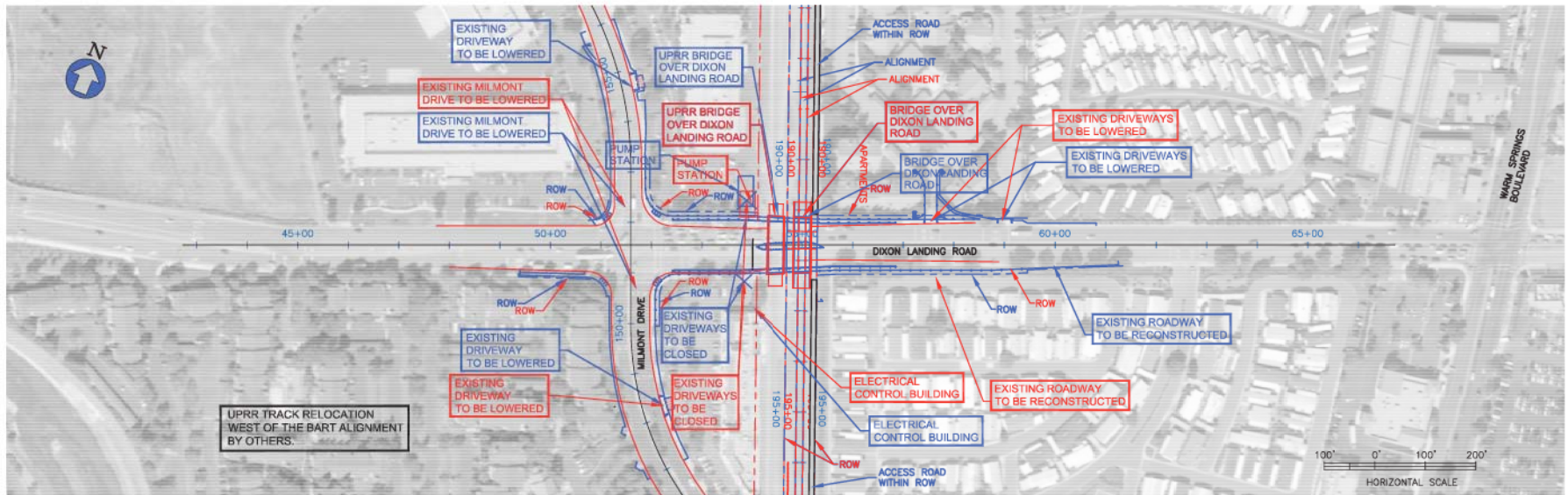
DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (Red dashed line)	35% ENGINEERING ALIGNMENT
--- (Blue dashed line)	35% RIGHT OF WAY (ROW)
--- (Blue dashed line)	65% ENGINEERING ALIGNMENT
--- (Blue dashed line)	65% RIGHT OF WAY (ROW)
--- (Black dashed line)	UPRR TRACK RELOCATION

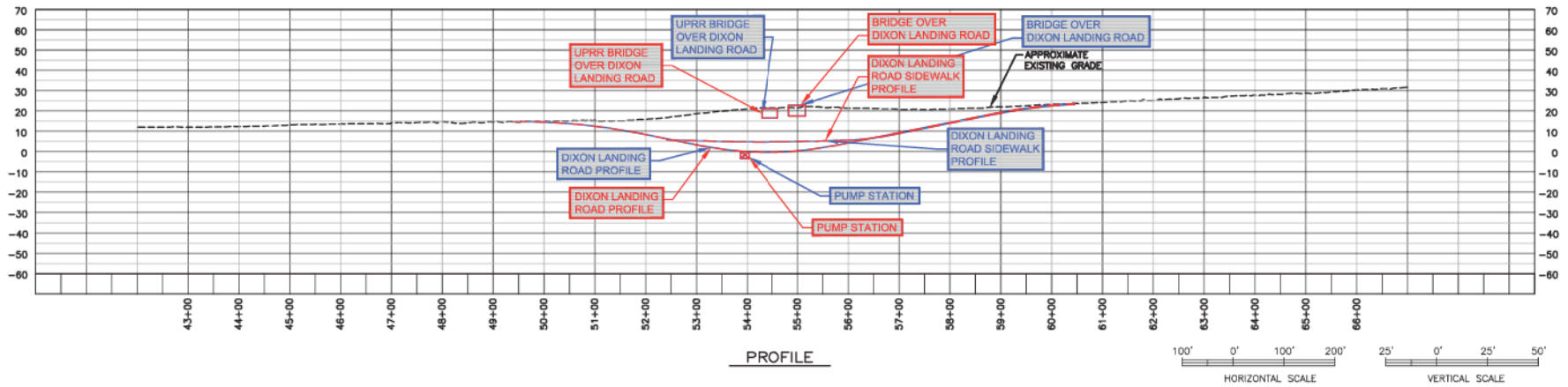
BART SILICON VALLEY -- PHASE 1  
BERRYESSA EXTENSION  
DIXON LANDING ROAD  
BART AT GRADE OPTION SHEET 2 OF 3  
REVISION DATE: 09/03/10  
PLAN AND PROFILE

FIGURE B-11

user: name  
 date: 09/03/10  
 program: gisplan



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
<span style="color: red;">---</span>	35% ENGINEERING ALIGNMENT
<span style="color: red;">---</span>	35% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	65% ENGINEERING ALIGNMENT
<span style="color: blue;">---</span>	65% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	UPRR TRACK RELOCATION

BART SILICON VALLEY - PHASE 1  
 BERRYESSA EXTENSION  
 DIXON LANDING ROAD  
 BART AT GRADE OPTION SHEET 3 OF 3  
 REVISION DATE: 09/03/10  
 PLAN AND PROFILE

FIGURE B-12

user:\name  
drawing  
enr\p\name

09/03/10 10:41:41 AM C:\Users\enr\Documents\BART\_SILICON VALLEY\BERRYESSA EXTENSION\FIGURE B-13.dwg

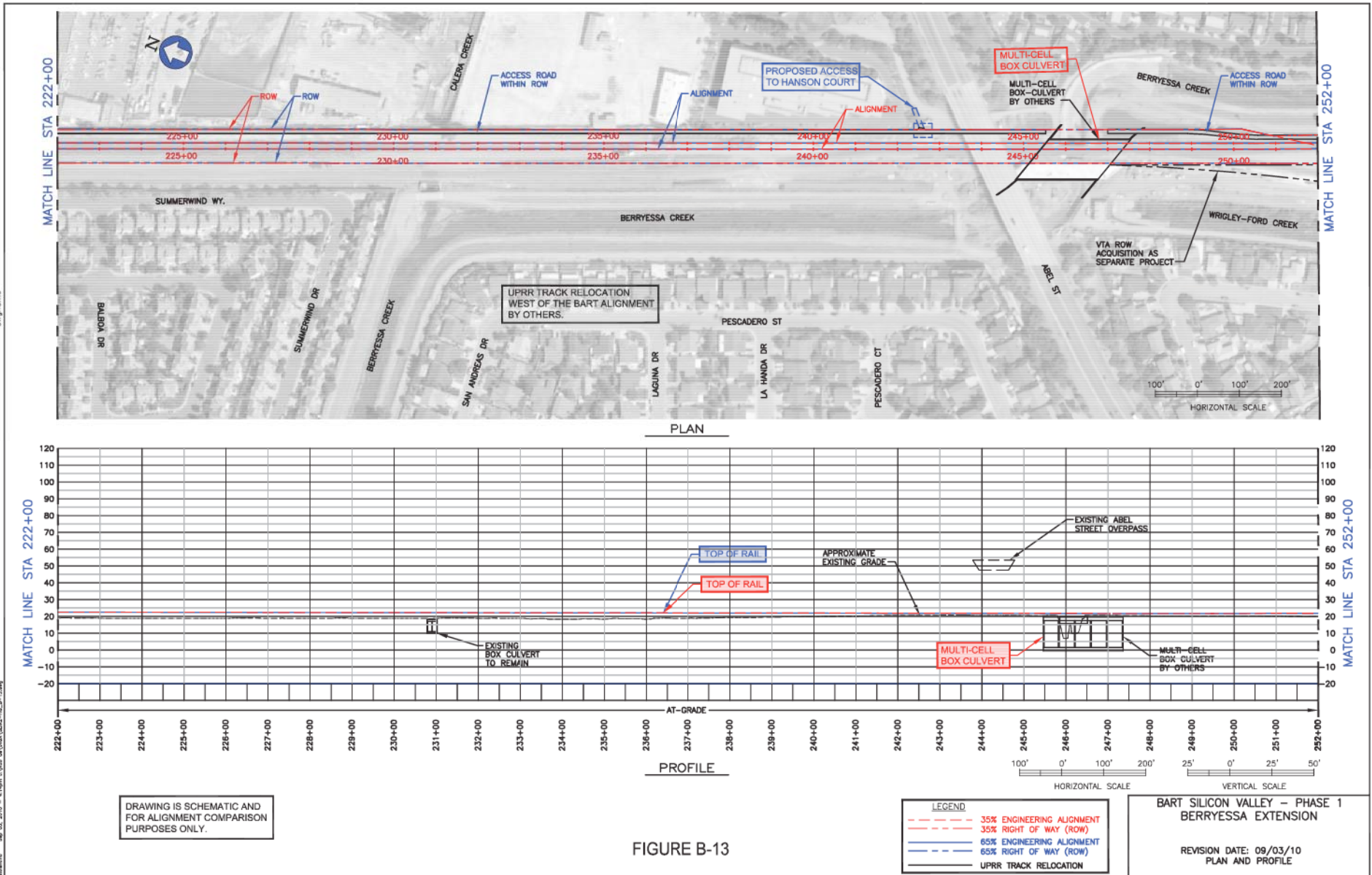
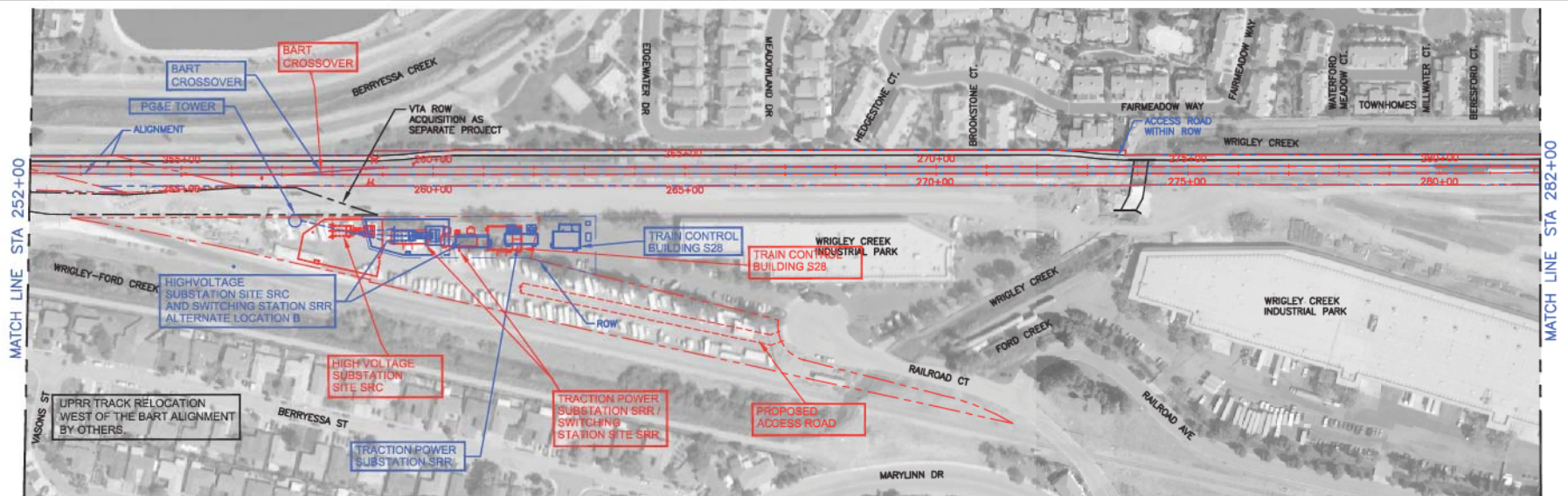


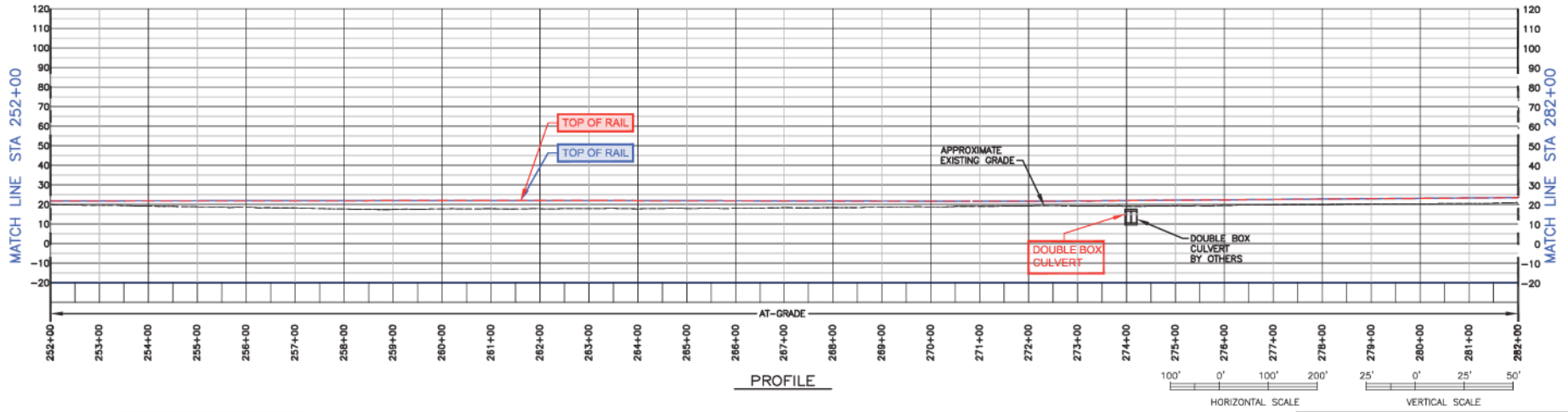
FIGURE B-13

user:\mname  
user:\pname  
user:\gname

09/03/2010 11:41 AM



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND

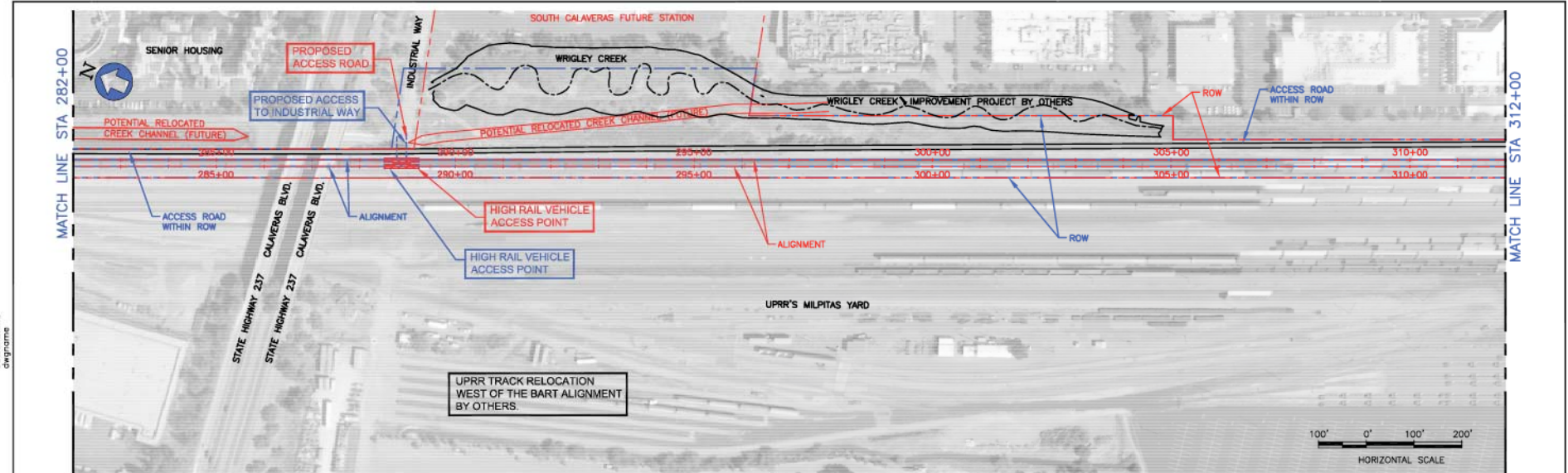
- 35% ENGINEERING ALIGNMENT
- 35% RIGHT OF WAY (ROW)
- 65% ENGINEERING ALIGNMENT
- 65% RIGHT OF WAY (ROW)
- - - UPRR TRACK RELOCATION

**BART SILICON VALLEY - PHASE 1 BERRYESSA EXTENSION**  
 SYSTEMS FACILITIES AT RAILROAD COURT  
 REVISION DATE: 09/03/10  
 PLAN AND PROFILE

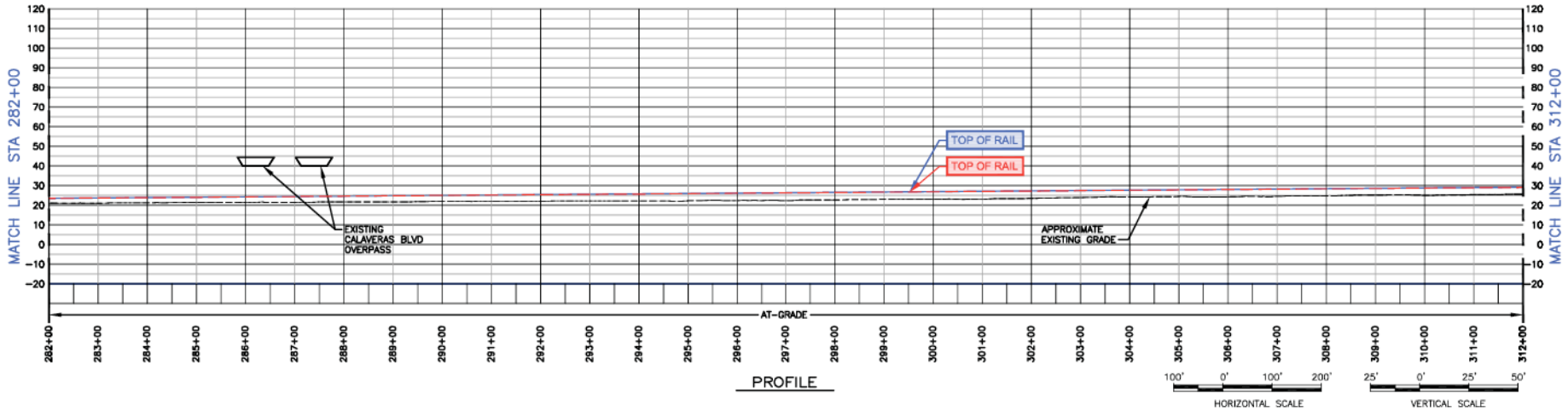
FIGURE B-14



user name  
date time  
engineering



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (dashed red)	35% ENGINEERING ALIGNMENT
--- (dashed blue)	35% RIGHT OF WAY (ROW)
--- (dashed black)	65% ENGINEERING ALIGNMENT
--- (dashed black)	65% RIGHT OF WAY (ROW)
--- (dashed black)	UPRR TRACK RELOCATION

BART SILICON VALLEY - PHASE 1  
BERRYESSA EXTENSION

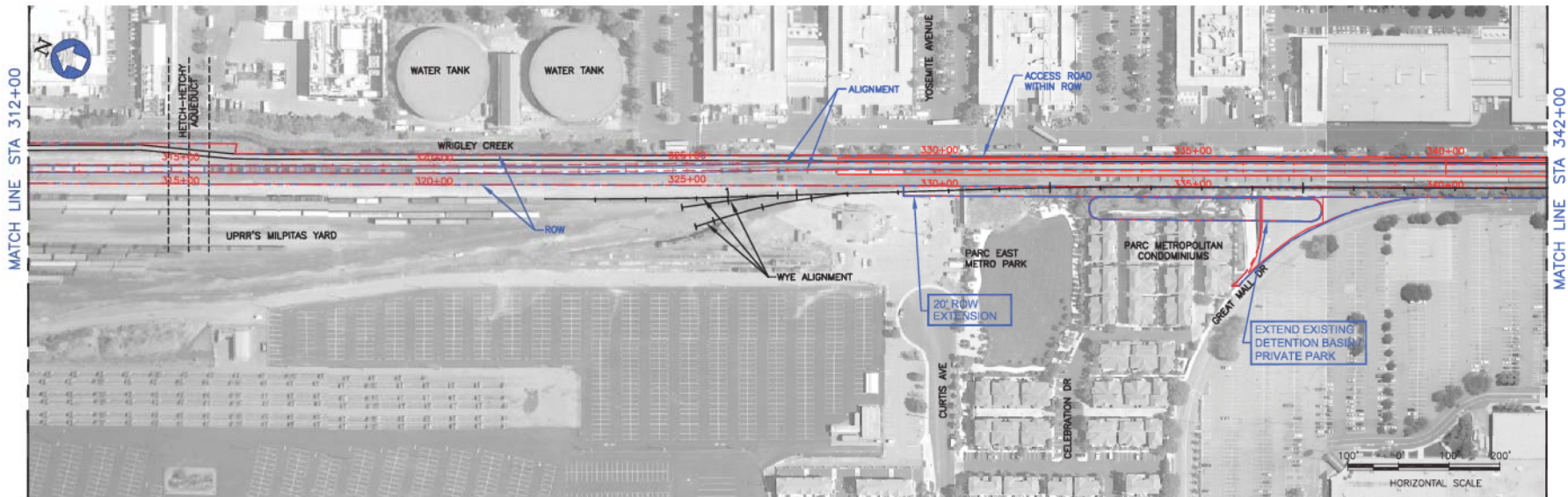
REVISION DATE: 10/12/10  
PLAN AND PROFILE

FIGURE B-15

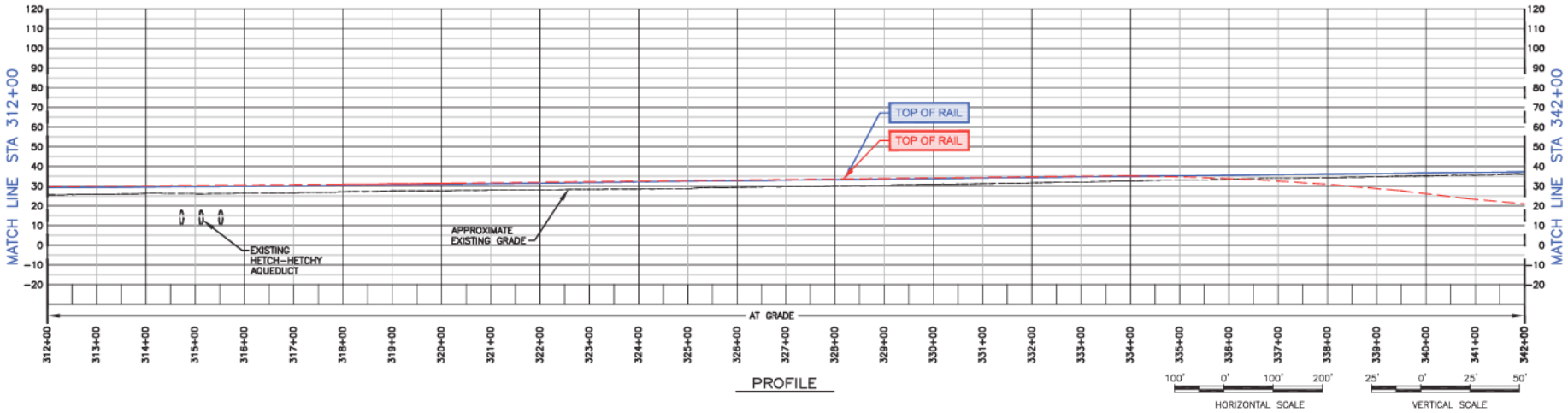
Title Block Oct 13, 2010 - 1:58PM C:\pwworking\user\name\project\BERRYESSA\FIGURE B-15.dwg

user:maine  
 user:maine  
 user:maine

TO:DRGNO\_A - Sep 27, 2010 - 2:43pm - W:\US000\Phase 1\_Berry\BART\_VA\Berry\Maine\Drawings\BERRY-2\_Plan\_Profile\_1009-1009-09-28-2010\BERRY-PL\_8-15.dwg



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (dashed red line)	35% ENGINEERING ALIGNMENT
--- (dashed blue line)	35% RIGHT OF WAY (ROW)
--- (dashed blue line)	65% ENGINEERING ALIGNMENT
--- (dashed blue line)	65% RIGHT OF WAY (ROW)
--- (dashed black line)	UPRR TRACK RELOCATION

BART SILICON VALLEY - PHASE 1  
 BERRYESSA EXTENSION

REVISION DATE: 09/03/10  
 PLAN AND PROFILE

FIGURE B-16

usermacine  
engineering

09/03/10 4:52pm \\nas01\proj\BERRY-17A.dwg

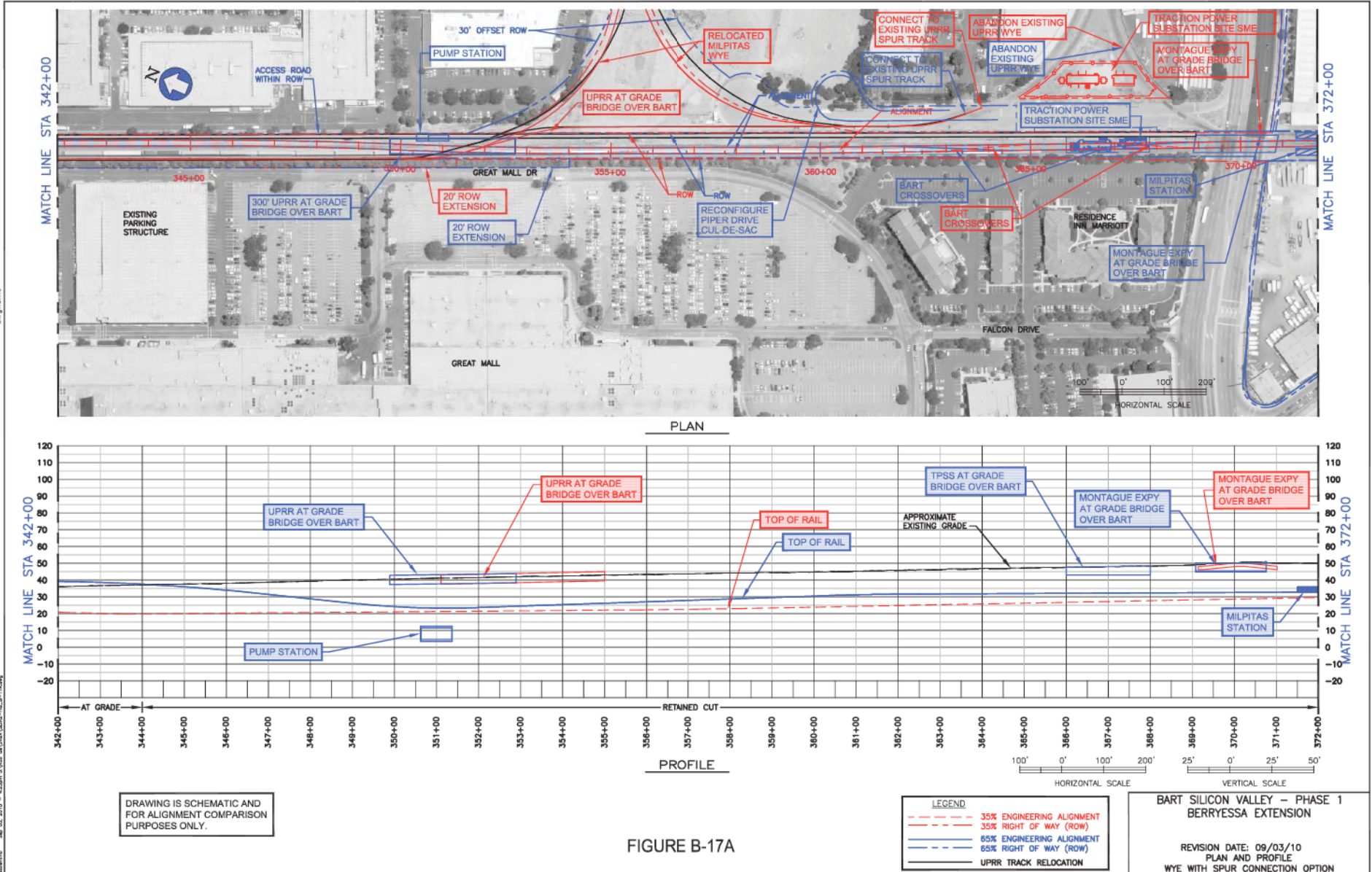
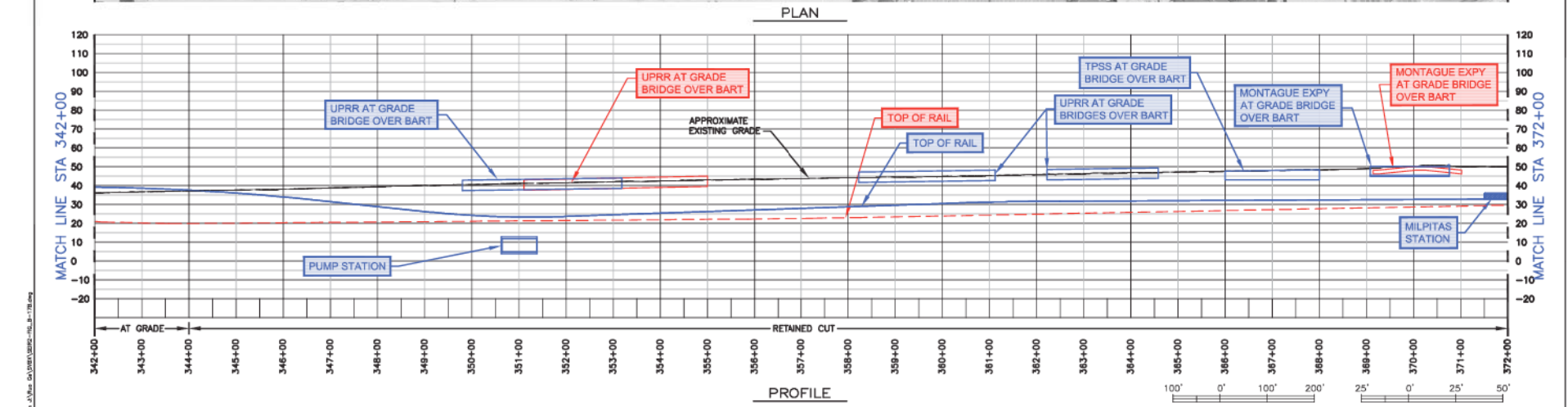
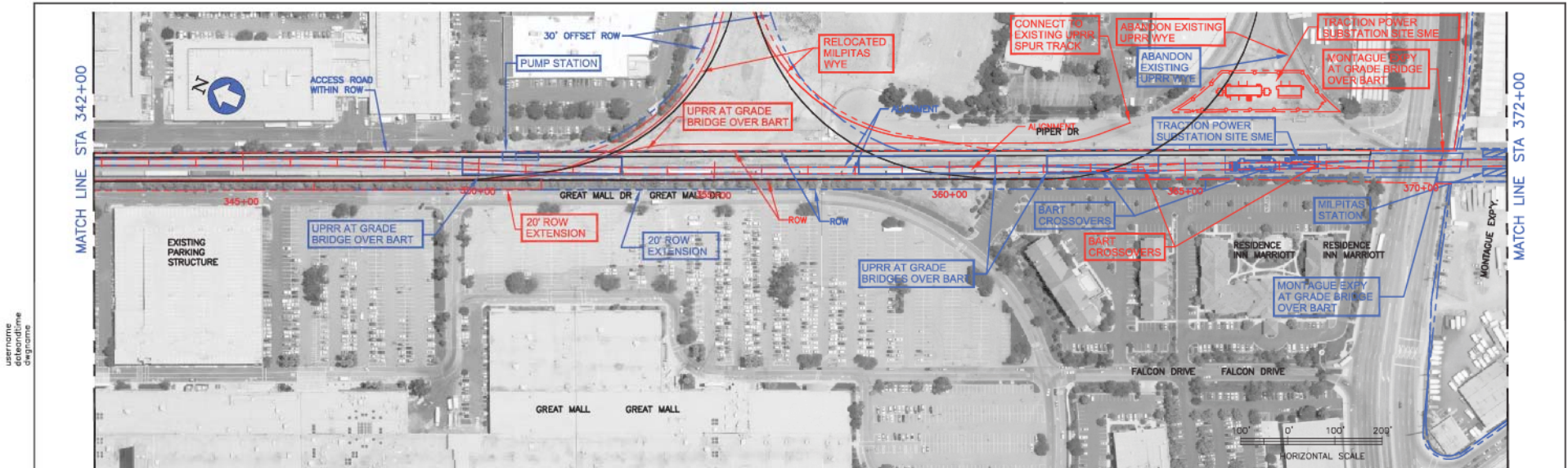


FIGURE B-17A



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
<span style="color: red;">---</span>	35% ENGINEERING ALIGNMENT
<span style="color: red;">---</span>	35% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	65% ENGINEERING ALIGNMENT
<span style="color: blue;">---</span>	65% RIGHT OF WAY (ROW)
<span style="color: blue;">---</span>	UPRR TRACK RELOCATION

**BART SILICON VALLEY – PHASE 1 BERRYESSA EXTENSION**

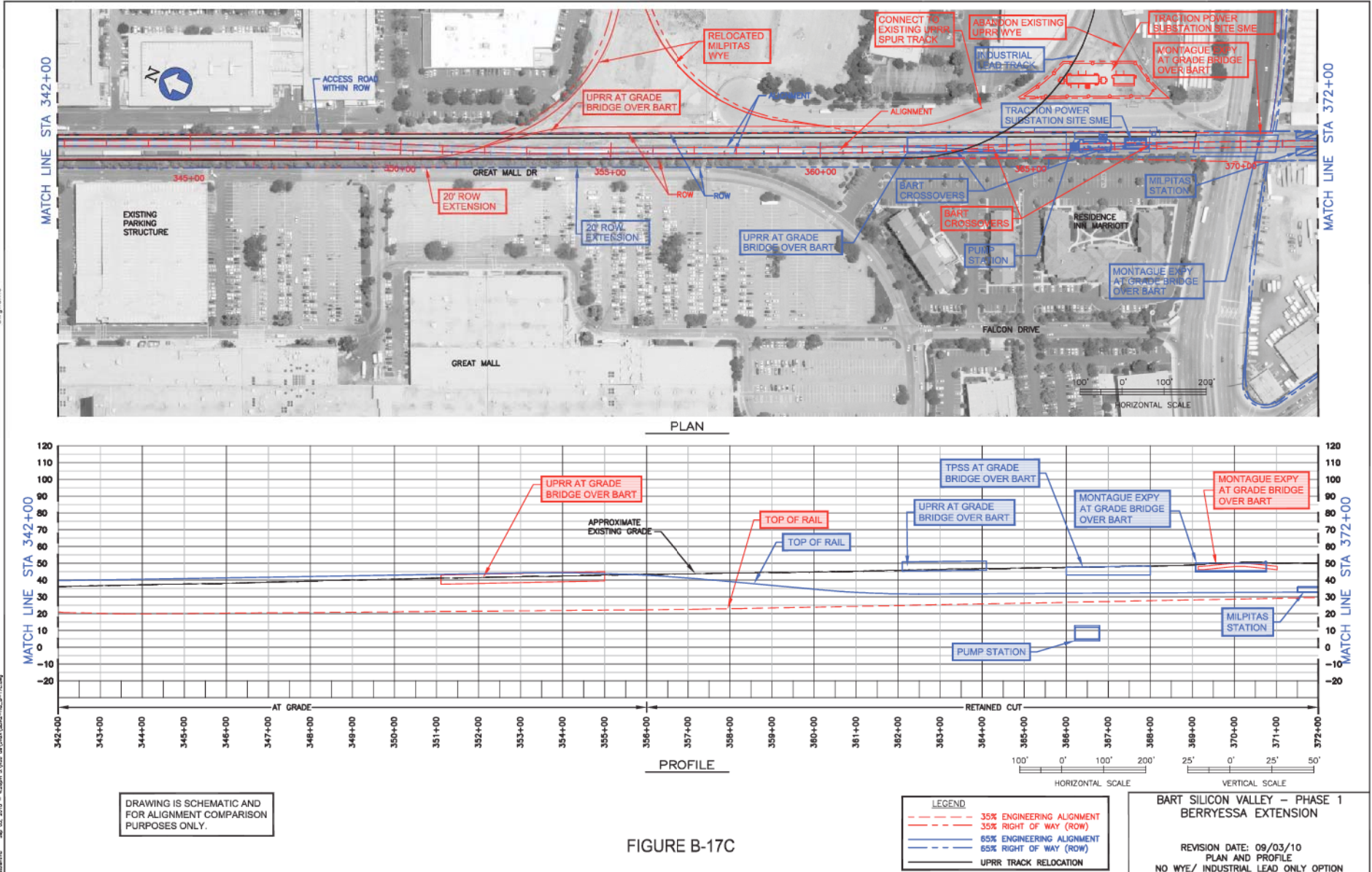
REVISION DATE: 09/03/10  
 PLAN AND PROFILE  
 WYE AND INDUSTRIAL LEAD OPTION

FIGURE B-17B

user:\mrc\mrc\p1\BART\_SV\BART\_SV\_090310\BART\_SV\_090310\_17B.dwg  
 09/03/10 10:42:58 AM  
 17B.dwg

user:\mtr\mtr\_e\eng\mtr\_e\plan\B-17C.dwg

DATE: 09/03/10 11:58 AM BY: JAVIER VAZQUEZ



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

FIGURE B-17C

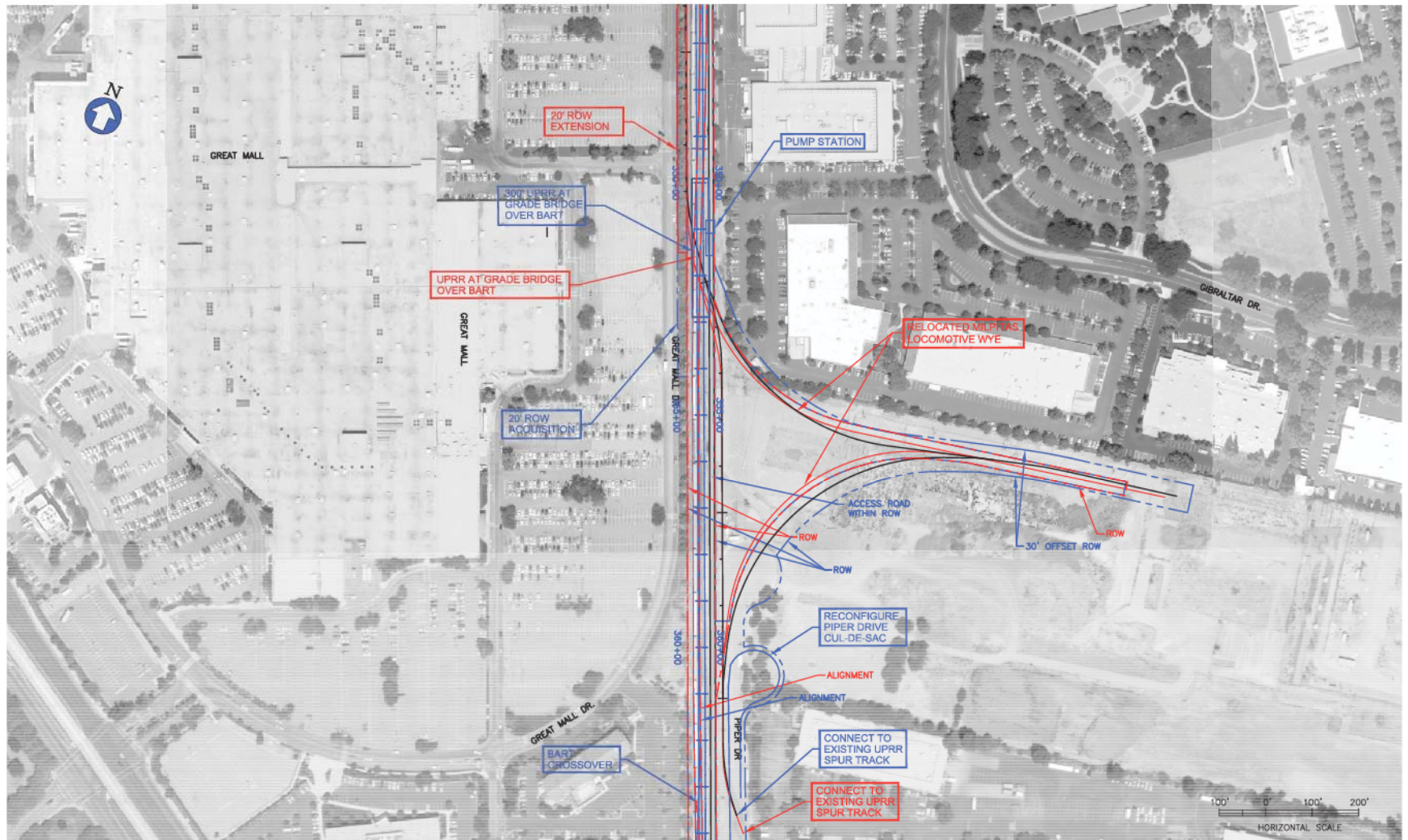
LEGEND	
--- (dashed red)	35% ENGINEERING ALIGNMENT
--- (dashed blue)	35% RIGHT OF WAY (ROW)
--- (dashed blue)	65% ENGINEERING ALIGNMENT
--- (dashed blue)	65% RIGHT OF WAY (ROW)
--- (dashed black)	UPRR TRACK RELOCATION

**BART SILICON VALLEY - PHASE 1 BERRYESSA EXTENSION**

REVISION DATE: 09/03/10  
 PLAN AND PROFILE  
 NO WYE/ INDUSTRIAL LEAD ONLY OPTION

user name  
drawing  
program

09/03/2010 4:53pm \\sdc\project\BERRY\BERRY-P1-B-18A.dwg



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

FIGURE B-18A

LEGEND	
--- (Red)	35% ENGINEERING ALIGNMENT
--- (Red)	35% RIGHT OF WAY (ROW)
--- (Blue)	65% ENGINEERING ALIGNMENT
--- (Blue)	65% RIGHT OF WAY (ROW)
--- (Black)	UPRR TRACK RELOCATION

BART SILICON VALLEY – PHASE 1  
BERRYESSA EXTENSION  
RELOCATED MILPITAS WYE: SHEET 1 OF 1  
REVISION DATE: 09/03/10  
PLAN AND PROFILE  
WYE WITH SPUR CONNECTION OPTION

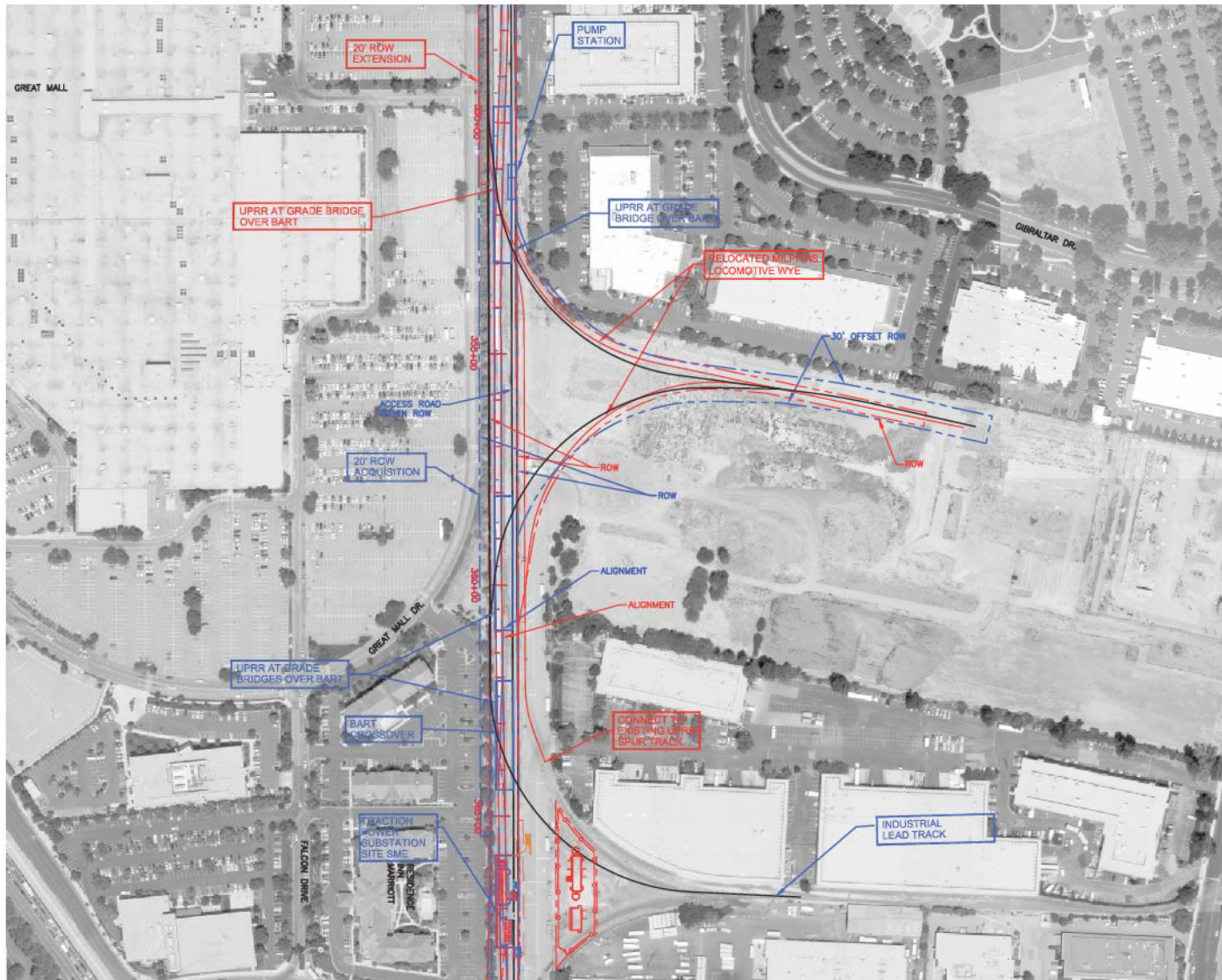


FIGURE B-18B

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (Red dashed line)	35% ENGINEERING ALIGNMENT
--- (Red dashed line)	35% RIGHT OF WAY (ROW)
--- (Blue dashed line)	65% ENGINEERING ALIGNMENT
--- (Blue dashed line)	65% RIGHT OF WAY (ROW)
--- (Black solid line)	UPRR TRACK RELOCATION

BART SILICON VALLEY - PHASE 1 BERRYESSA EXTENSION

REVISION DATE: 09/03/10  
PLAN AND PROFILE  
WYE AND INDUSTRIAL LEAD OPTION



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
	35% ENGINEERING ALIGNMENT
	35% RIGHT OF WAY (ROW)
	65% ENGINEERING ALIGNMENT
	65% RIGHT OF WAY (ROW)
	UPRR TRACK RELOCATION

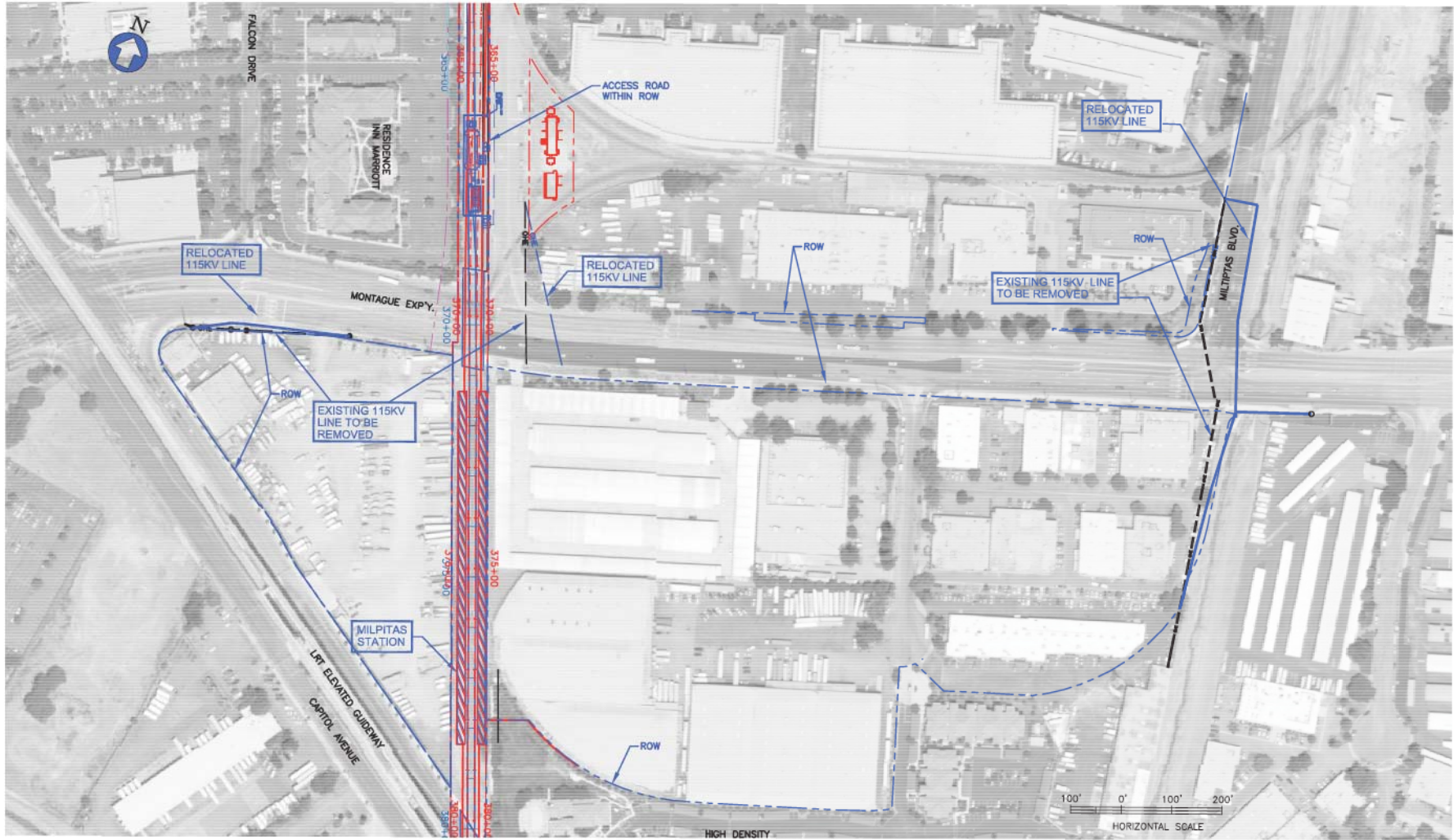
BART SILICON VALLEY - PHASE 1  
BERRYESSA EXTENSION

REVISION DATE: 09/03/10  
PLAN AND PROFILE  
NO WYE/ INDUSTRIAL LEAD ONLY OPTION

FIGURE B-18C



user: name  
date: 09/03/10  
program: 09/03/10



DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

PLAN  
FIGURE B-19

LEGEND	
	RELOCATED 115KV LINE
	EXISTING 115KV LINE TO BE REMOVED

BART SILICON VALLEY – PHASE 1  
BERRYESSA EXTENSION  
115KV OVERHEAD LINE RELOCATION AT MONTAGUE  
REVISION DATE: 09/03/10  
PLAN  
SHEET 1 OF 1

09/03/10 4:28pm C:\Users\jgibson\Documents\115KV\115KV-115-115.dwg

user: name  
program: enghpname

09/03/2010 4:42pm \\s:\proj\BERRY\BERRY-B-20.dwg

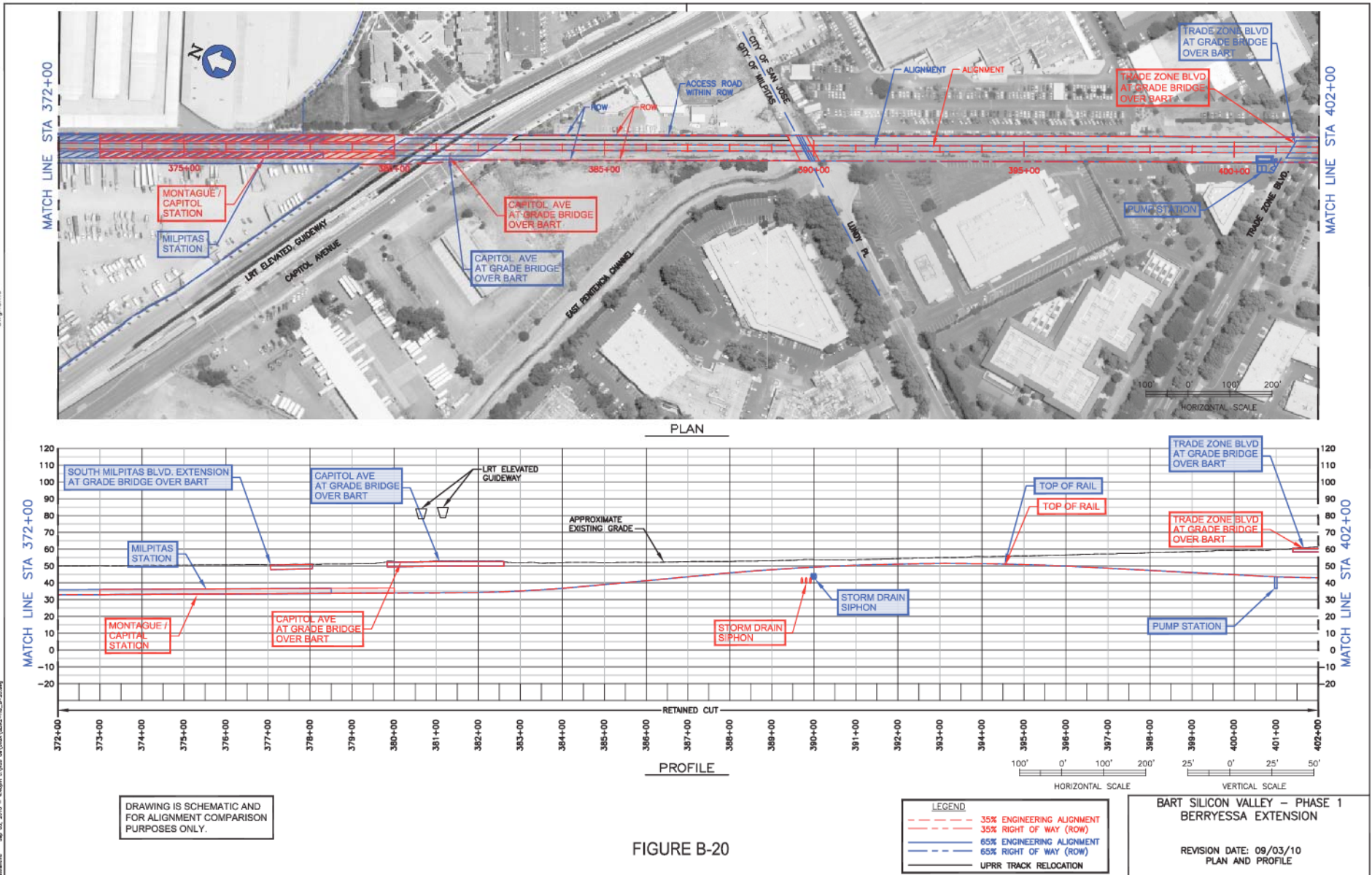
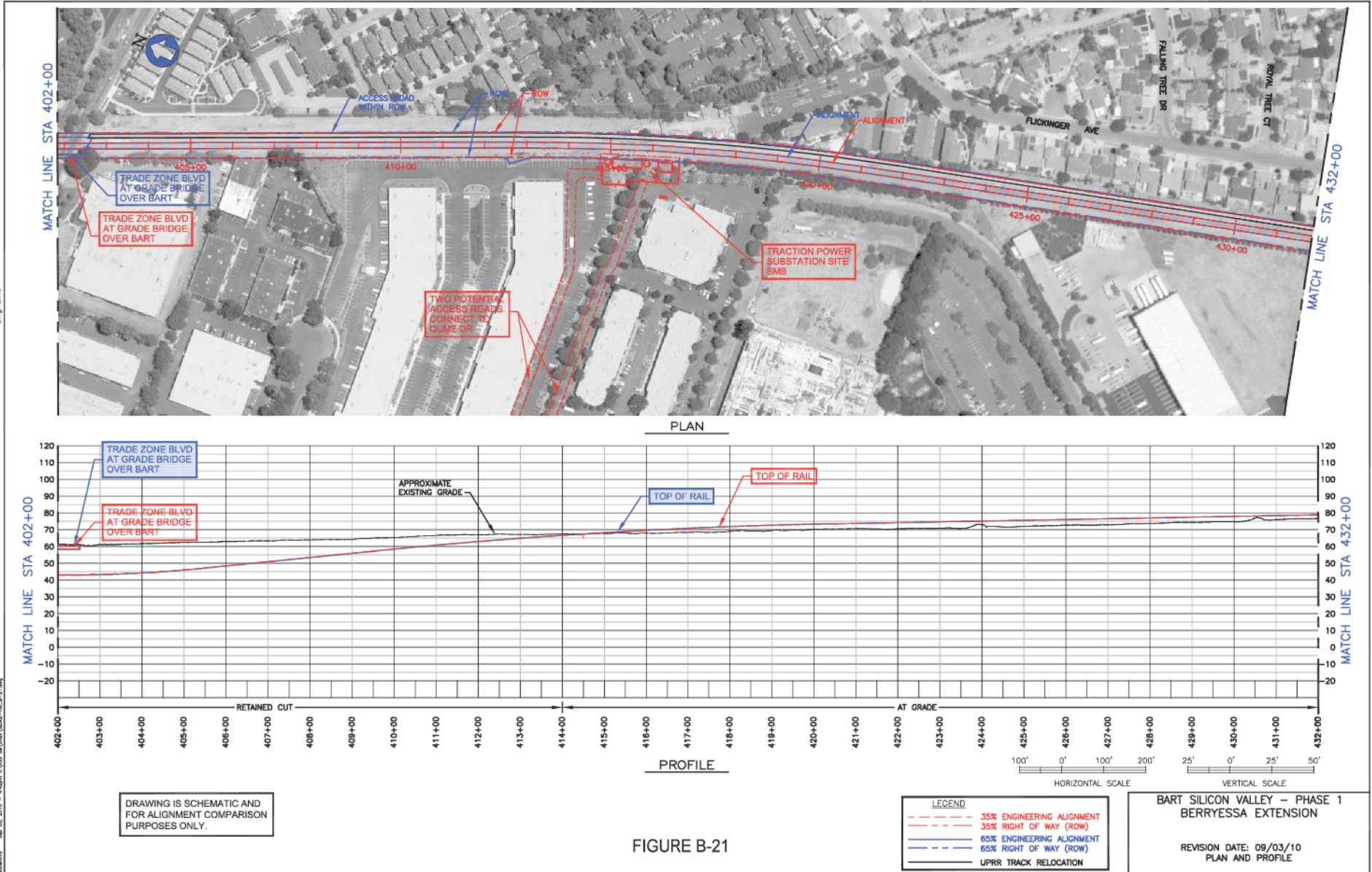


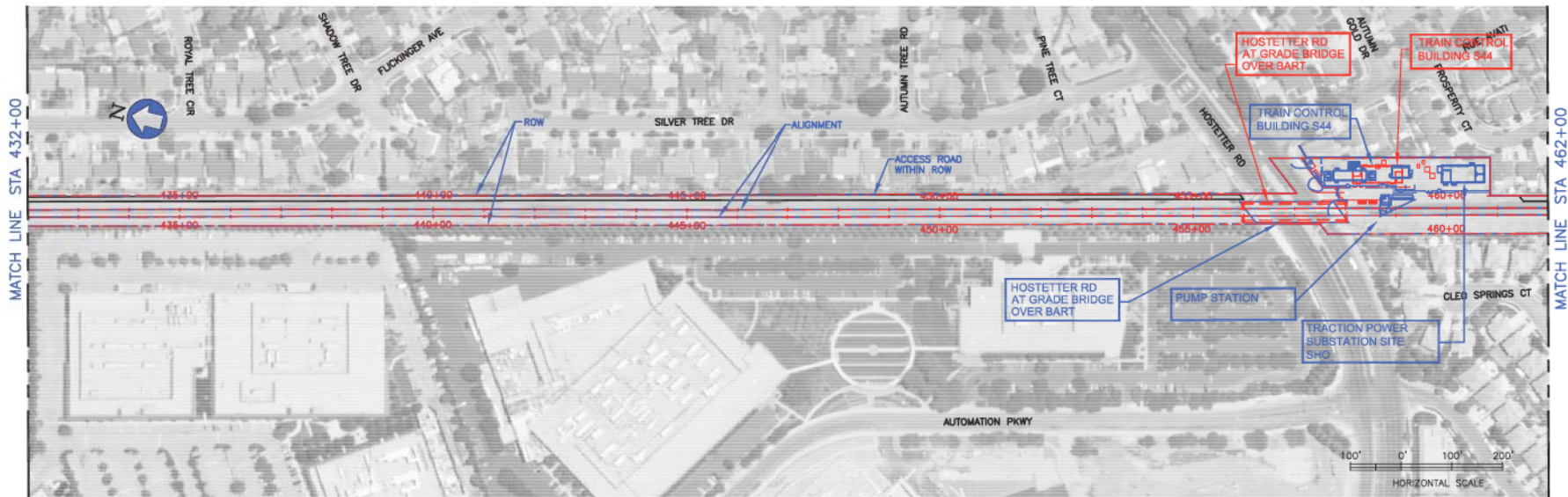
FIGURE B-20

user: name  
date: 09/03/10  
program: gmp/plan

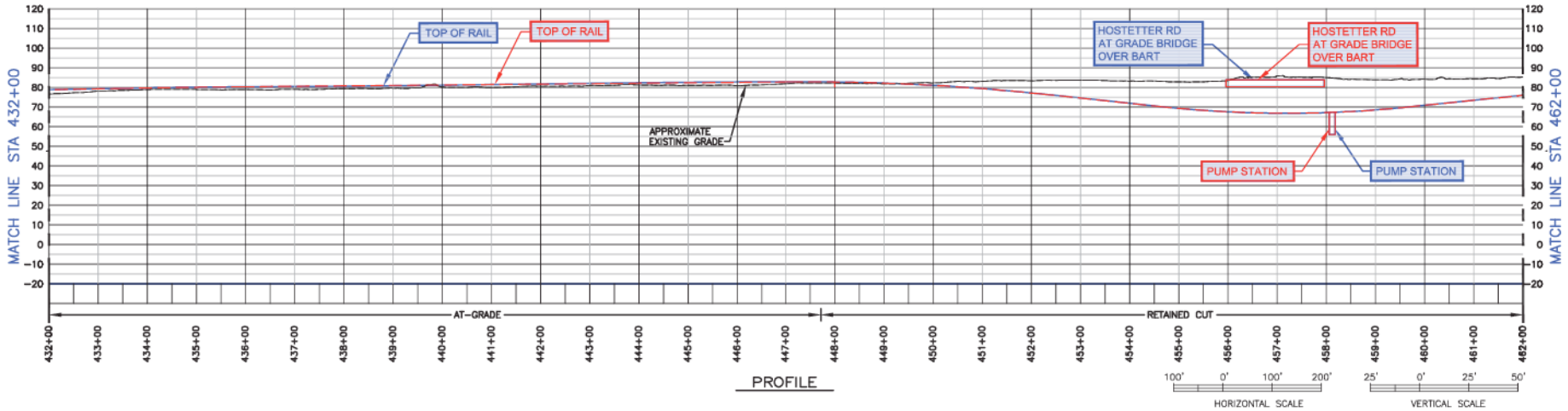


user: name  
 user: name  
 user: name

09/03/10 10:42:30 AM C:\Users\jgibson\Documents\BART\_SILICON VALLEY - PHASE 1 - BERRYESSA EXTENSION\FIGURE B-22.dwg



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
--- (red)	35% ENGINEERING ALIGNMENT
--- (dashed red)	35% RIGHT OF WAY (ROW)
--- (blue)	65% ENGINEERING ALIGNMENT
--- (dashed blue)	65% RIGHT OF WAY (ROW)
--- (black)	UPRR TRACK RELOCATION

**BART SILICON VALLEY - PHASE 1 BERRYESSA EXTENSION**

REVISION DATE: 09/03/10  
 PLAN AND PROFILE

FIGURE B-22

user:\mme  
g:\p\mme  
g:\p\mme

09/03/10 10:44:40 AM C:\Users\mme\Documents\BART\_SILICON VALLEY - PHASE 1 BERRYESSA EXTENSION - PLAN AND PROFILE.dwg

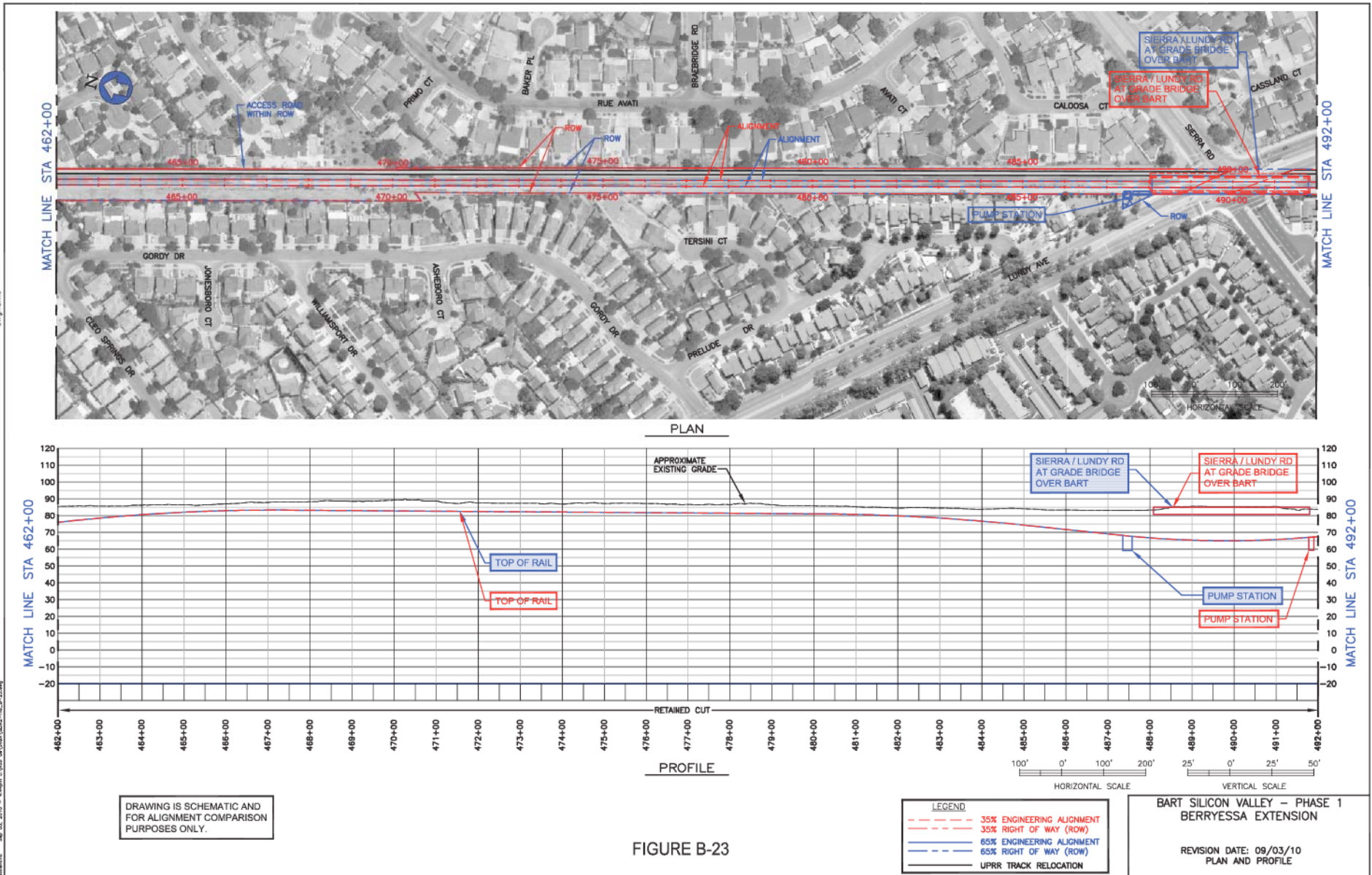


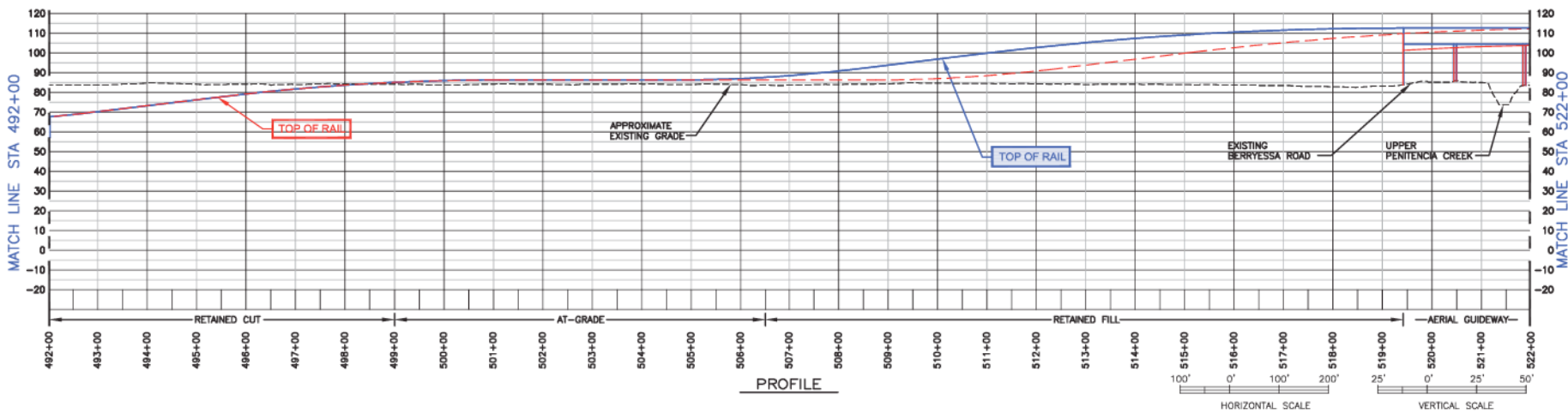
FIGURE B-23

user:\mname  
user:\mname  
g:\mname

09/03/10 10:42:00 AM C:\Users\mname\Documents\BART\_SILICON VALLEY - PHASE 1 - BERRYESSA EXTENSION - PLAN AND PROFILE.dwg



PLAN



PROFILE

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.

LEGEND	
<span style="color: red;">- - -</span>	35% ENGINEERING ALIGNMENT
<span style="color: red;">- - -</span>	35% RIGHT OF WAY (ROW)
<span style="color: blue;">- - -</span>	65% ENGINEERING ALIGNMENT
<span style="color: blue;">- - -</span>	65% RIGHT OF WAY (ROW)
<span style="color: blue;">———</span>	UPRR TRACK RELOCATION

**BART SILICON VALLEY - PHASE 1  
BERRYESSA EXTENSION**

REVISION DATE: 09/03/10  
PLAN AND PROFILE

FIGURE B-24

user: name  
 date: 09/03/10  
 drawing: 09/03/10 - 4:48pm - \\fs01\proj\090310\BERRY-HE-B-25.dwg

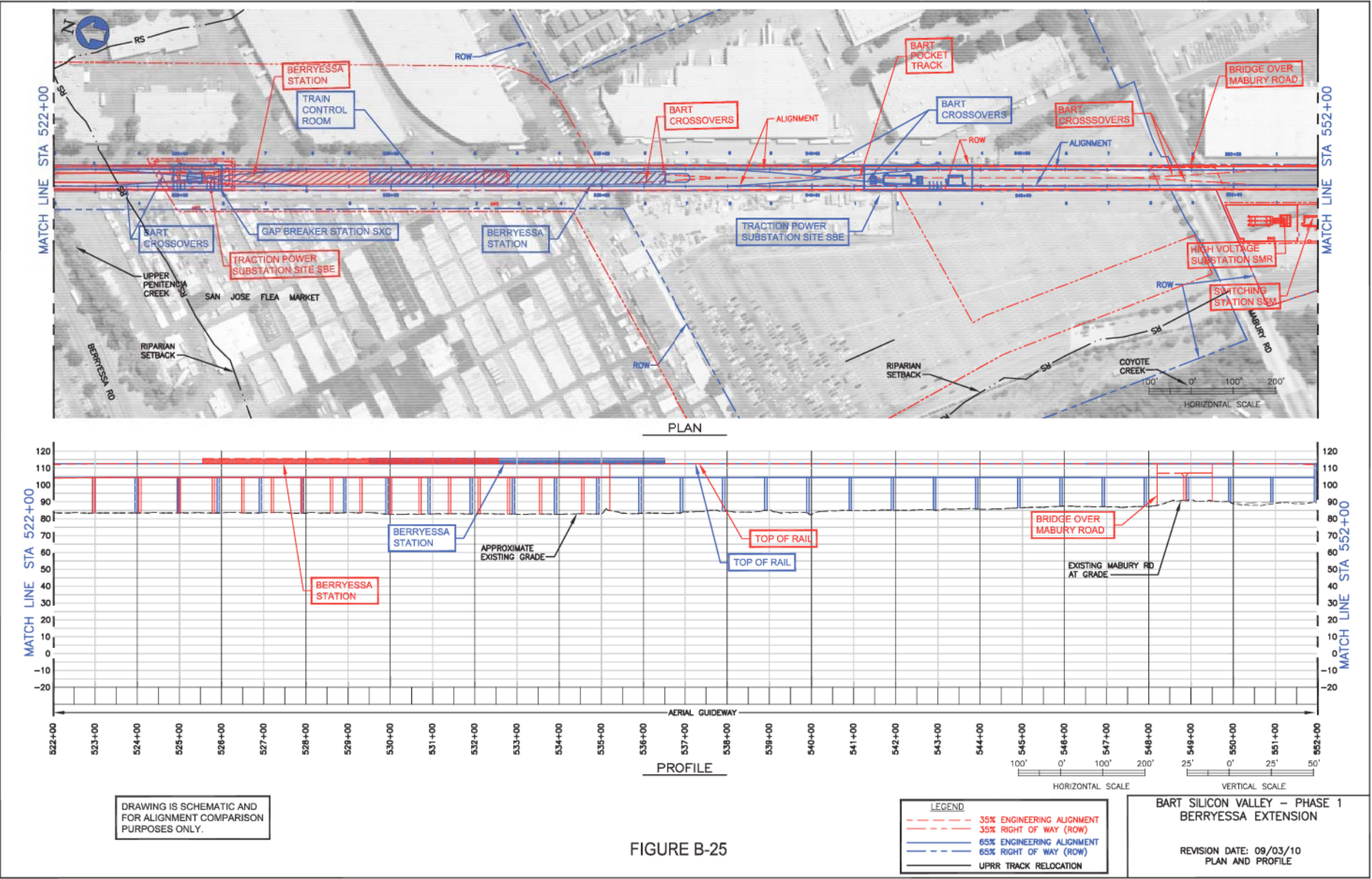


FIGURE B-25

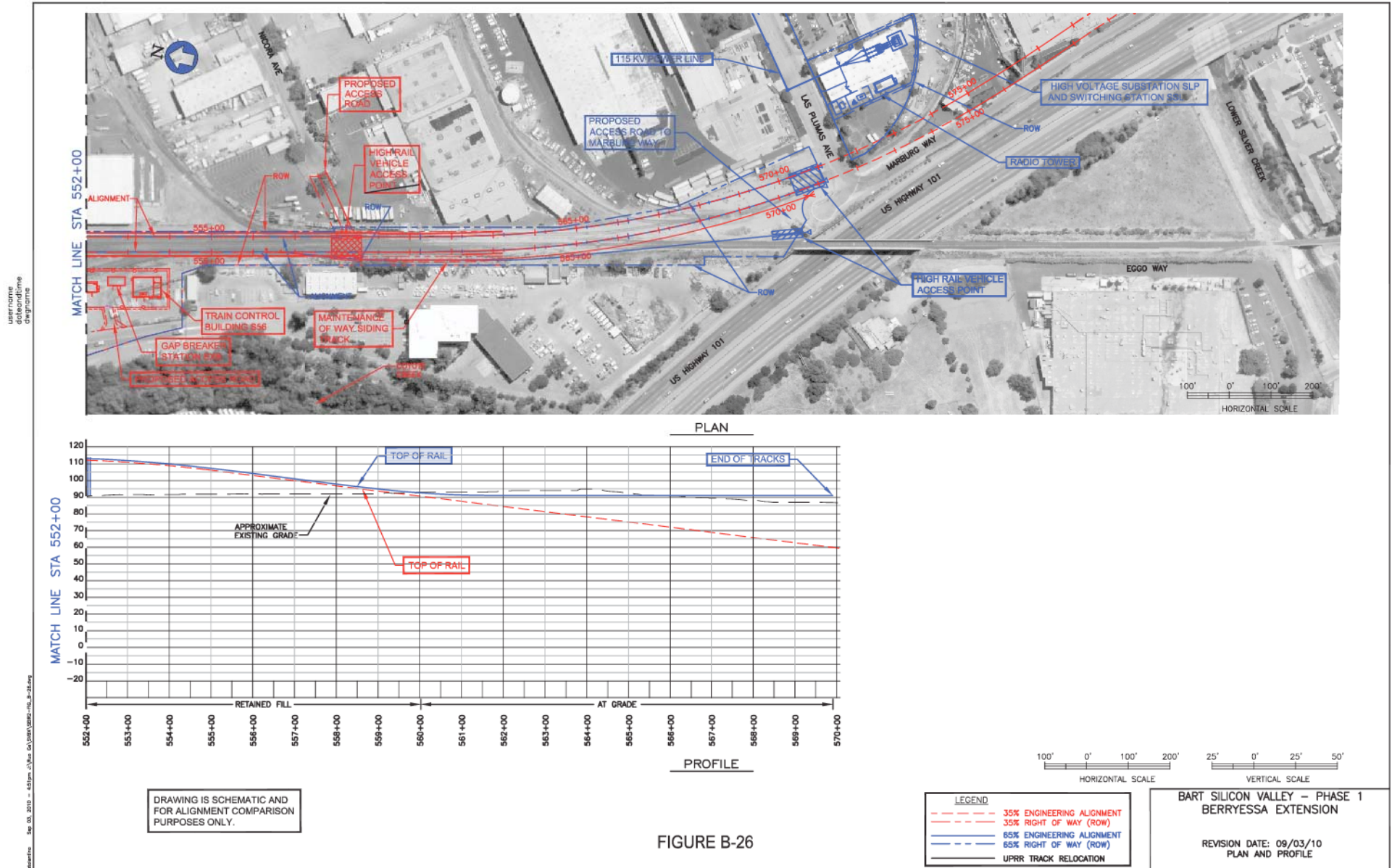


FIGURE B-26



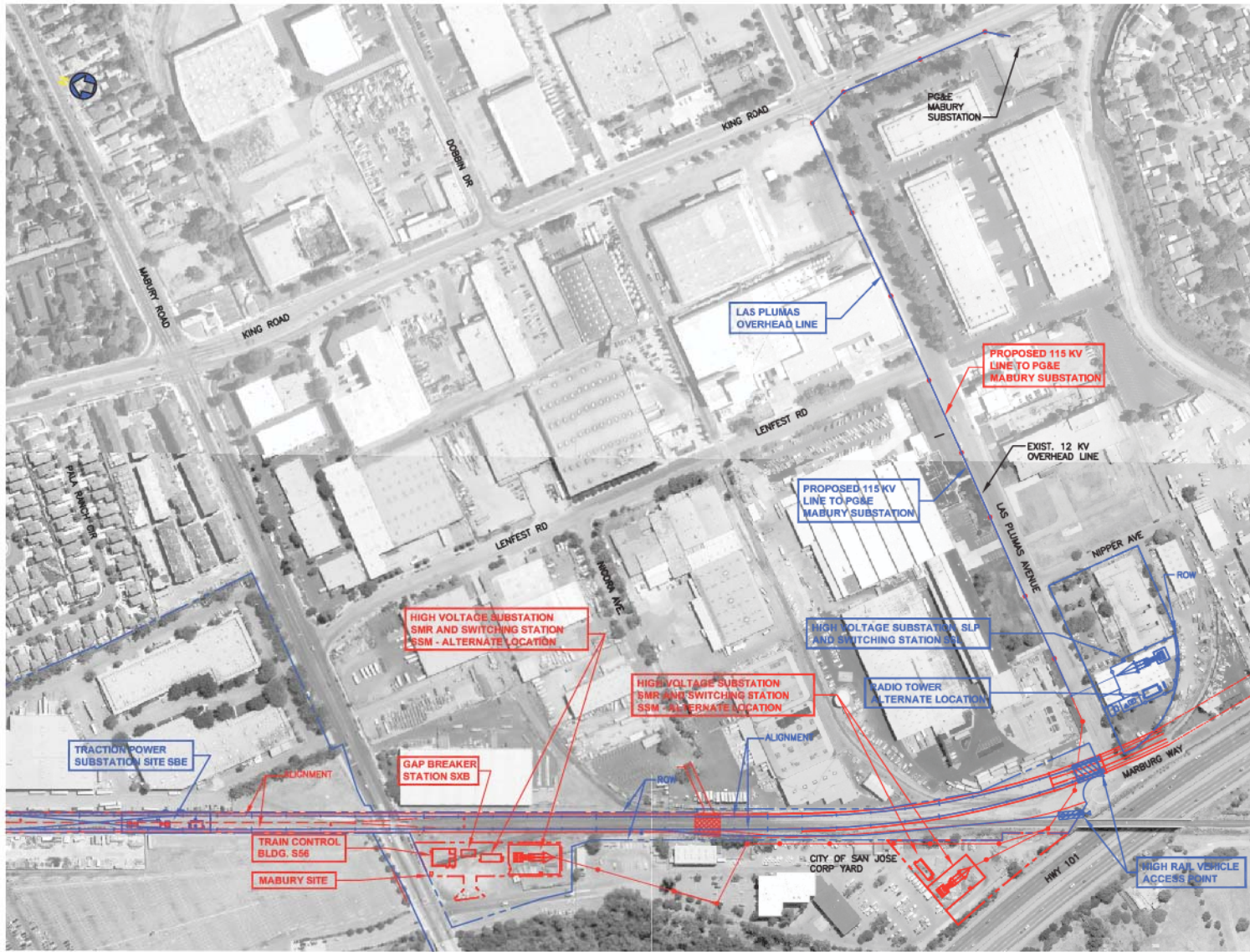


FIGURE B-27

**LEGEND**

- 65% 115 KV OVERHEAD LINE
- 35% 115 KV OVERHEAD LINE
- 65% ENGINEERING ALIGNMENT
- 35% ENGINEERING ALIGNMENT
- 65% RIGHT OF WAY (ROW)
- 35% RIGHT OF WAY (ROW)

DRAWING IS SCHEMATIC AND FOR ALIGNMENT COMPARISON PURPOSES ONLY.



GRAPHIC SCALE  
BART SILICON VALLEY - PHASE 1  
BERRYESSA EXTENSION  
115KV OVERHEAD LINE RELOCATION AT LAS PLUMAS  
REVISION DATE: 09/03/10  
PLAN  
SHEET 1 OF 1