INDEX OF DRAWINGS

GENERAL SHEETS

SHEET No.	ALIGNMENT	PART	DESCRIPTION
	N/A	N/A	COVER SHEET
1	N/A	N/A	INDEX OF DRAWINGS
2	N/A	N/A	OVERALL KEYMAP PLAN
3	N/A	N/A	DECENTRAL MAINTENANCE FACILITY
4	N/A	N/A	DECENTRAL MAINTENANCE FACILITY
5	N/A	N/A	TYPICAL SECTION NO. 1
6	N/A	N/A	TYPICAL SECTION NO. 2
7	N/A	N/A	TYPICAL SECTION NO. 3
8	N/A	N/A	TYPICAL PLAN & ELEVATION
9	N/A	N/A	STRUCTURE DATA NO. 1
10	N/A	N/A	STRUCTURE DATA NO. 2
11	N/A	N/A	STRUCTURE DATA NO. 3
12	N/A	N/A	STRUCTURE DATA NO. 4

PLAN AND PROFILE

SHEET No.	ALIGNMENT	PART	DESCRIPTION
-	I-10	3	KEY MAP SHEET 1 OF 3
1	I-10	3	FROM STA 100+00.00 TO STA 155+00.00
2	I-10	3	FROM STA 155+00.00 TO STA 210+00.00
3	I-10	3	FROM STA 210+00.00 TO STA 265+00.00
4	I-10	3	FROM STA 265+00.00 TO STA 320+00.00
5	I-10	3	FROM STA 320+00.00 TO STA 375+00.00
6	I-10	3	FROM STA 375+00.00 TO STA 430+00.00
7	I-10	3	FROM STA 430+00.00 TO STA 485+00.00
8	I-10	3	FROM STA 485+00.00 TO STA 540+00.00
9	I-10	3	FROM STA 540+00.00 TO STA 595+00.00
10	I-10	3	FROM STA 595+00.00 TO STA 650+00.00
11	I-10	3	FROM STA 650+00.00 TO STA 705+00.00
12	I-10	3	FROM STA 705+00.00 TO STA 760+00.00
13	I-10	3	FROM STA 760+00.00 TO STA 815+00.00
14	I-10	3	FROM STA 815+00.00 TO STA 870+00.00
15	I-10	3	FROM STA 870+00.00 TO STA 899+07.81
16	I-10	3	FROM STA 899+07.81 TO STA 935+00.00
-	I-10	2	KEY MAP SHEET 2 OF 3
17	I-10	2	FROM STA 935+00.00 TO STA 990+00.00
18	I-10	2	FROM STA 990+00.00 TO STA 1045+00.00
19	I-10	2	FROM STA 1045+00.00 TO STA 1100+00.00
20	I-10	2	FROM STA 1100+00.00 TO STA 1145+80.38
21	I-10	2	FROM STA 1145+80.38 TO STA 1200+00.00
22	I-10	2	FROM STA 1200+00.00 TO STA 1255+00.00
23	I-10	2	FROM STA 1255+00.00 TO STA 1310+00.00
24	I-10	2	FROM STA 1310+00.00 TO STA 1365+00.00
25	I-10	2	FROM STA 1365+00.00 TO STA 1420+00.00
26	I-10	2	FROM STA 1420+00.00 TO STA 1475+00.00
27	I-10	2	FROM STA 1475+00.00 TO STA 1530+00.00
28	I-10	2	FROM STA 1530+00.00 TO STA 1585+00.00
29	I-10	2	FROM STA 1585+00.00 TO STA 1640+00.00
30	I-10	2	FROM STA 1640+00.00 TO STA 1695+00.00
31	I-10	2	FROM STA 1695+00.00 TO STA 1750+00.00
32	I-10	2	FROM STA 1750+00.00 TO STA 1805+00.00
33	I-10	2	FROM STA 1805+00.00 TO STA 1860+00.00
34	I-10	2	FROM STA 1860+00.00 TO STA 1915+00.00
-	I-10	1	KEY MAP SHEET 3 OF 3
35	I-10	1	FROM STA 1915+00.00 TO STA 1970+00.00
36	I-10	1	FROM STA 1970+00.00 TO STA 2025+00.00
37	I-10	1	FROM STA 2025+00.00 TO STA 2080+00.00
38	I-10	1	FROM STA 2080+00.00 TO STA 2135+00.00
39	I-10	1	FROM STA 2135+00.00 TO STA 2190+00.00
40	I-10	1	FROM STA 2190+00.00 TO STA 2245+00.00
41	I-10	1	FROM STA 2245+00.00 TO STA 2300+00.00
42	I-10	1	FROM STA 2300+00.00 TO STA 2355+00.00
43	I-10	1	FROM STA 2355+00.00 TO STA 2395+97.40

PLAN AND PROFILE (CONTINUATION)

SHEET No.	ALIGNMENT	PART	DESCRIPTION
44	I-10	1	FROM STA 2395+97.40 TO STA 2445+00.00
45	I-10	1	FROM STA 2445+00.00 TO STA 2500+00.00
46	I-10	1	FROM STA 2500+00.00 TO STA 2555+00.00
47	I-10	1	FROM STA 2555+00.00 TO STA 2610+00.00
48	I-10	1	FROM STA 2610+00.00 TO STA 2665+00.00
49	I-10	1	FROM STA 2665+00.00 TO STA 2720+00.00
50	I-10	1	FROM STA 2720+00.00 TO STA 2775+00.00
51	I-10	1	FROM STA 2775+00.00 TO STA 2830+00.00
52	I-10	1	FROM STA 2830+00.00 TO STA 2885+00.00
53	I-10	1	FROM STA 2885+00.00 TO STA 2940+00.00
54	I-10	1	FROM STA 2940+00.00 TO STA 2956+61.17
-	SR-60	2	KEY MAP SHEET 1 OF 2
55	SR-60	2	FROM STA 1164+31.26 TO STA 1200+00.00
56	SR-60	2	FROM STA 1200+00.00 TO STA 1255+00.00
57	SR-60	2	FROM STA 1255+00.00 TO STA 1310+00.00
58	SR-60	2	FROM STA 1310+00.00 TO STA 1365+00.00
59	SR-60	2	FROM STA 1365+00.00 TO STA 1420+00.00
60	SR-60	2	FROM STA 1420+00.00 TO STA 1475+00.00
61	SR-60	2	FROM STA 1475+00.00 TO STA 1530+00.00
62	SR-60	2	FROM STA 1530+00.00 TO STA 1585+00.00
63	SR-60	2	FROM STA 1585+00.00 TO STA 1640+00.00
64	SR-60	2	FROM STA 1640+00.00 TO STA 1695+00.00
65	SR-60	2	FROM STA 1695+00.00 TO STA 1750+00.00
66	SR-60	2	FROM STA 1750+00.00 TO STA 1805+00.00
67	SR-60	2	FROM STA 1805+00.00 TO STA 1860+00.00
68	SR-60	2	FROM STA 1860+00.00 TO STA 1915+00.00
69	SR-60	2	FROM STA 1915+00.00 TO STA 1970+00.00
70	SR-60	2	FROM STA 1970+00.00 TO STA 2025+00.00
-	SR-60	1	KEY MAP SHEET 2 OF 2
71	SR-60	1	FROM STA 2025+00.00 TO STA 2080+00.00
72	SR-60	1	FROM STA 2080+00.00 TO STA 2135+00.00
73	SR-60	1	FROM STA 2135+00.00 TO STA 2190+00.00
74	SR-60	1	FROM STA 2190+00.00 TO STA 2245+00.00
75	SR-60	1	FROM STA 2245+00.00 TO STA 2300+00.00
76	SR-60	1	FROM STA 2300+00.00 TO STA 2355+00.00
77	SR-60	1	FROM STA 2355+00.00 TO STA 2410+00.00
78	SR-60	1	FROM STA 2410+00.00 TO STA 2465+00.00
79	SR-60	1	FROM STA 2465+00.00 TO STA 2520+00.00
80	SR-60	1	FROM STA 2520+00.00 TO STA 2575+00.00
81	SR-60	1	FROM STA 2575+00.00 TO STA 2630+00.00
82	SR-60	1	FROM STA 2630+00.00 TO STA 2665+77.02
-	UPRR	2	KEY MAP SHEET 1 OF 2
83	UPRR	2	FROM STA 1590+31.58 TO STA 1620+00.00
84	UPRR	2	FROM STA 1620+00.00 TO STA 1675+00.00
85	UPRR	2	FROM STA 1675+00.00 TO STA 1730+00.00
86	UPRR	2	FROM STA 1730+00.00 TO STA 1785+00.00
87	UPRR	2	FROM STA 1785+00.00 TO STA 1840+00.00
88	UPRR	2	FROM STA 1840+00.00 TO STA 1895+00.00
89	UPRR	2	FROM STA 1895+00.00 TO STA 1950+00.00
-	UPRR	1	KEY MAP SHEET 2 OF 2
90	UPRR	1	FROM STA 1950+00.00 TO STA 2005+00.00
91	UPRR	1	FROM STA 2005+00.00 TO STA 2060+00.00
92	UPRR	1	FROM STA 2060+00.00 TO STA 2115+00.00
93	UPRR	1	FROM STA 2115+00.00 TO STA 2170+00.00
94	UPRR	1	FROM STA 2170+00.00 TO STA 2225+00.00
95	UPRR	1	FROM STA 2225+00.00 TO STA 2280+00.00
96	UPRR	1	FROM STA 2280+00.00 TO STA 2335+00.00
97	UPRR	1	FROM STA 2335+00.00 TO STA 2390+00.00
98	UPRR	1	FROM STA 2390+00.00 TO STA 2445+00.00
99	UPRR	1	FROM STA 2445+00.00 TO STA 2500+00.00
100	UPRR	1	FROM STA 2500+00.00 TO STA 2529+68.20

LEGEND

①	STRUCTURE TYPE
	EXISTING OR FUTURE BASE PUBLIC RIGHT OF WAY
	EXISTING UTILITY
	EXISTING GROUND
	PROPOSED (HORIZONTAL) STATION
	PROPOSED SUBSTATION
CITY OF S. EL MONTE UNINCORPORATED	CITY BOUNDARY

ABBREVATIONS

Align	ALIGNMENT
BVC	BEGIN VERTICAL CURVE
Brg	BEARING
CIDH	CAST-IN-DRILLED HOLE
℄	CENTER LINE
Col	COLUMN
Conc	CONCRETE
CS	CURVE TO SPIRAL POINT
Dia	DIAMETER
Elev	ELEVATION
EVC	END VERTICAL CURVE
Exp	EXPANSION
FG	FINISHED GRADE
LS	LENGHT OF SPIRAL
Max	MAXIMUM
Min	MINIMUM
OC	OVERCROSSING
OG	ORIGINAL GROUND
OH	OVERHEAD
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
SC	SPIRAL TO CURVE POINT
ST	SPIRAL TO TANGENT POINT
Sta. STA	STATION
Str	STRUCTURE
TS	TANGENT TO SPIRAL
Typ	TYPICAL
VCR	VERTICAL CURVE RADIUS

GENERAL NOTES

1 THESE PLANS ARE CONCEPTUAL AND ARE SUBJECT TO CHANGE PENDING FURTHER STUDY DURING SUBSEQUENT PROJECT PHASES. THEY ARE NOT TO BE USED FOR CONSTRUCTION.

2 ALL HORIZONTAL DATA SHOWN HEREIN IS BASED ON NORTH AMERICAN DATUM 1983 (NAD83) ZONE 5.

3 ALL ELEVATION DATA SHOWN HEREIN IS BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

4 AERIAL MAPPING SHOWN HEREIN IS BASED ON AERIAL PHOTOGRAPHY DATED SEPTEMBER, 2005.

5 FOR ADDITIONAL DETAILS ON ALL STATIONS AND STATION AREAS SEE STATION PLANS.

PROPOSED CALTRANS FREEWAY IMPROVEMENT PROJECTS WITHIN ALIGNMENT CORRIDORS

CALTRANS PROJECT No.	ALIGNMENT	FROM STATION	TO STATION	PROJECT DESCRIPTION	PROJECT LIMITS	PROJECT STATUS	CALTRANS PROJECT No.	INFORMATION SHOWN ON ALIGNMENT PLANS	INFORMATION SHOWN ON ALIGNMENT PLANS
1	I-10	100+00	222+00	Add NB HOV lane along I-405	I-10 to I-101	PR/ED currently under preparation	120300	Improvements exactly as identified in PR/ED	CADD file of Prop. Imp's obtained from Caltrans and reference into plans
2	I-10	1710+00	1832+00	Construct one HOV lane in each direction along I-10	SR-605 to Puente Ave	PR approved on 12/31/02 Currently under final design	117071	Approx. limits of Prop. widening shown in plans	Limits depicted on plans based on review of PR.
3	I-10	1832+00	2050+00	Construct one HOV lane in each direction along I-10	Puente Ave to Citrus St	PR approved on 12/31/02 Currently under final design	117080	Approx. limits of Prop. widening shown in plans	Limits depicted on plans based on review of PR.
4	I-10	2050+00	2136+00	Construct one HOV lane in each direction along I-10	Citrus St to SR-57	PR approved on 12/31/02 Currently under final design	119340	Approx. limits of Prop. widening shown in plans	Limits depicted on plans based on review of PR.
5	I-10	2362+50	2381+00	Upgrade SR-71 from 4 lane expressway to 8 lane freeway	0.1 KM south of I-10 to Los Angeles County Line	PR approved on 6/27/02 Currently under final design	210600	Approx. limits of Prop. widening shown in plans	Limits depicted on plans based on review of PR.
6	SR-60	1732+00	2060+00	Construct HOV lanes & sound walls along SR-60 SR-605 to Azusa Ave	SR-60 to SR-605	PR approved on 09/29/00 Currently under final design	1294U1	Approx. limits of Prop. widening shown in plans	Limits depicted on plans based on review of PR. Widening is not continuous within this segment.

NOTE:

ALL IMPROVEMENTS IDENTIFIED ABOVE ARE CONSIDERED TO BE PART OF THE EXISTING BASE CONDITION FOR THE PURPOSE OF THESE PLANS. THE GENERAL FOOTPRINT OF THESE PROPOSED IMPROVEMENTS AS IDENTIFIED WITHIN THE NOTED CALTRANS PLANNING DOCUMENTS ARE DEPICTED AND IDENTIFIED IN THESE PLANS.

FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential: said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM PHASE II

INDEX OF DRAWINGS AND ABBREVIATIONS

ALIGNMENT

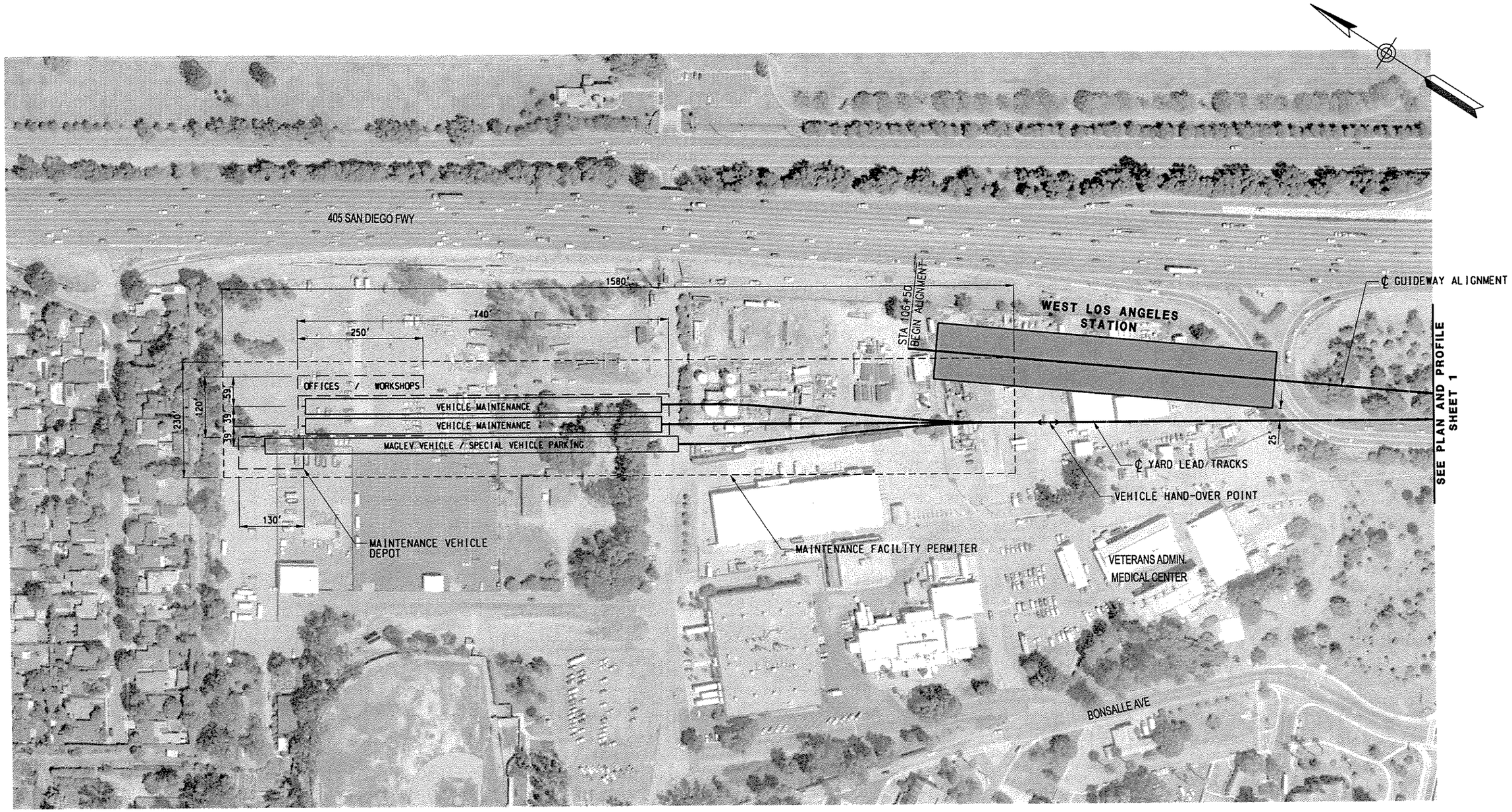
PART

REVISION

SHEET NO. 1

SCALE:

USER: BUSERNAME DATE PLOTTED: DATE FILENAME: FILENAME STIME



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IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM PHASE II

DECENTRAL MAINTENACE FACILITY WEST LOS ANGELES STATION

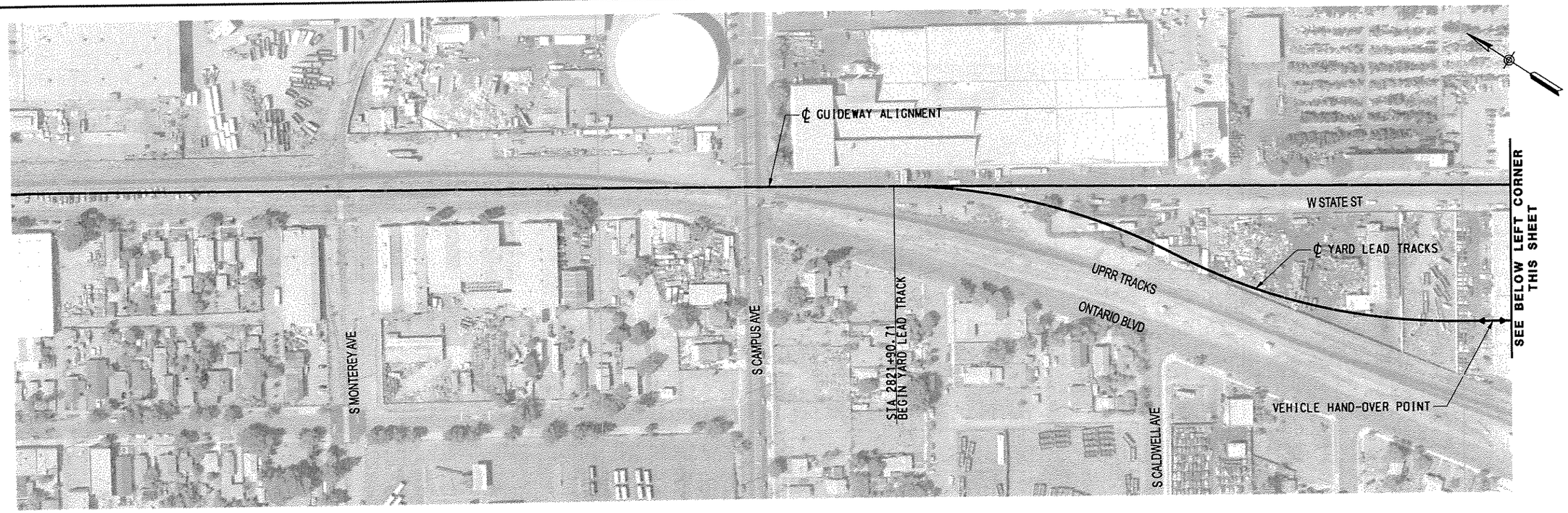
ALIGNMENT

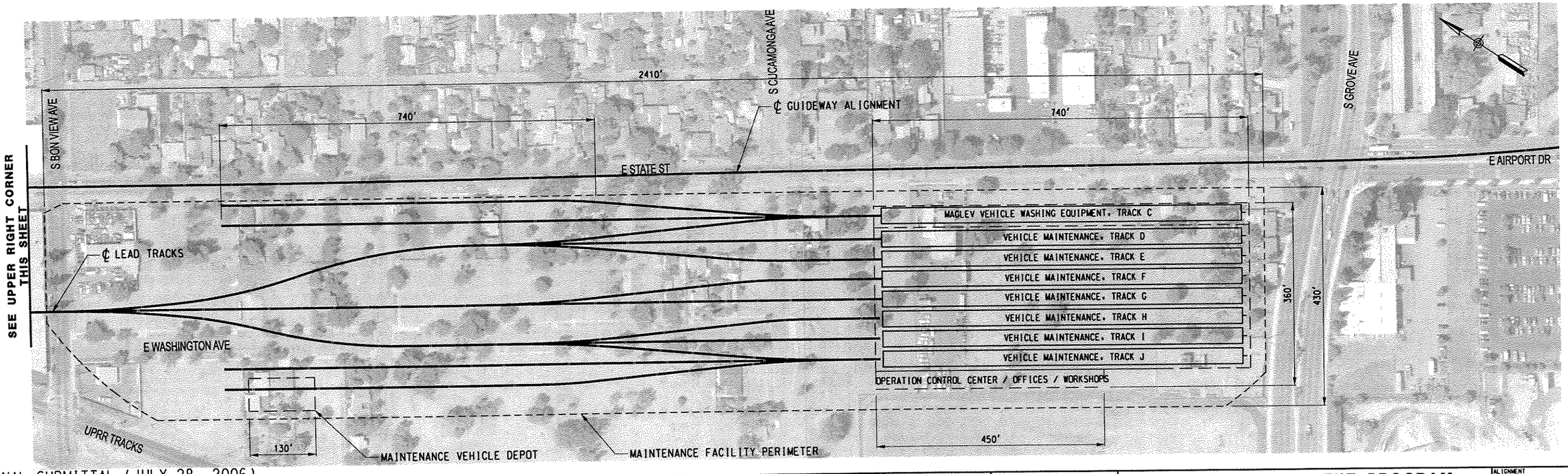
PART

REVISION

SHEET NO. 3

SCALE: 1" = 200'





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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
DECENTRAL MAINTENACE FACILITY
ONTARIO CITY

ALIGNMENT

PART

REVISION

SHEET NO. 4

SCALE: 1" = 200'

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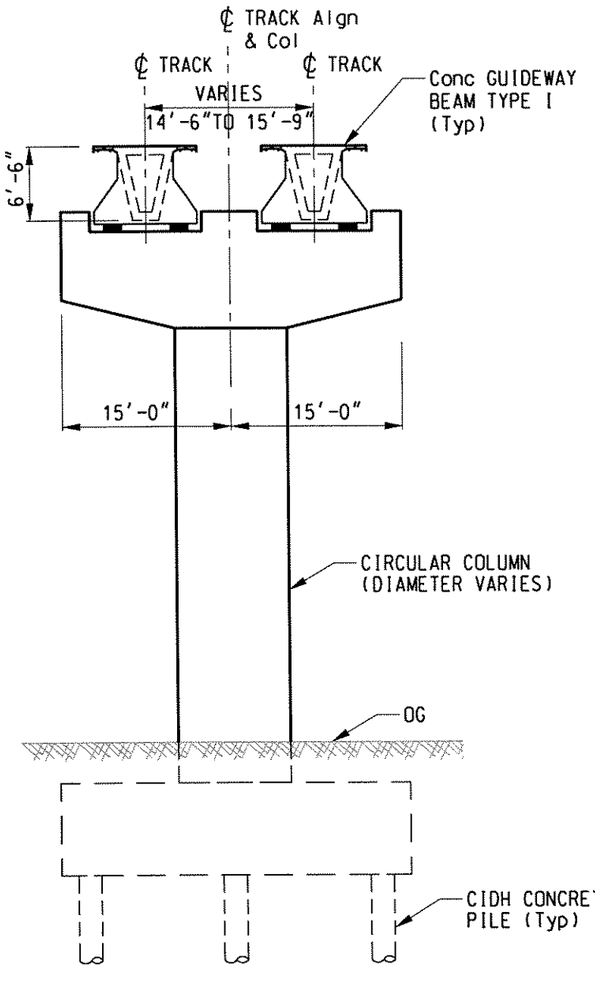

STRUCTURE TYPE 1 - TYPICAL SECTION
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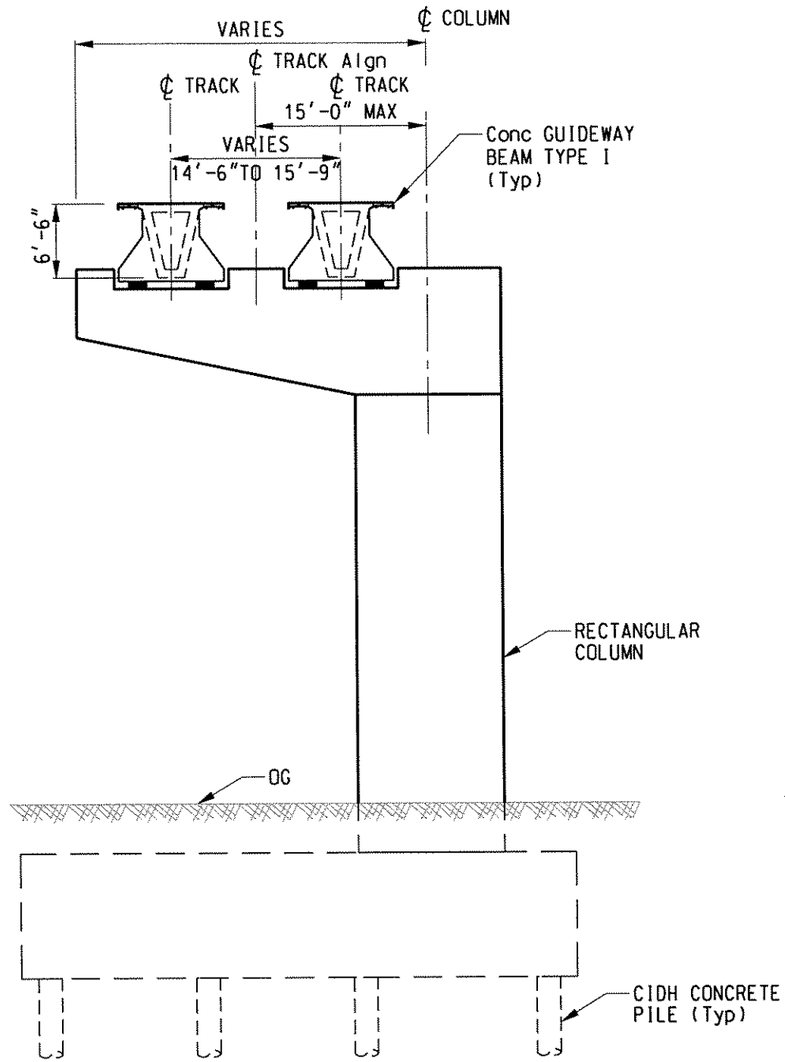

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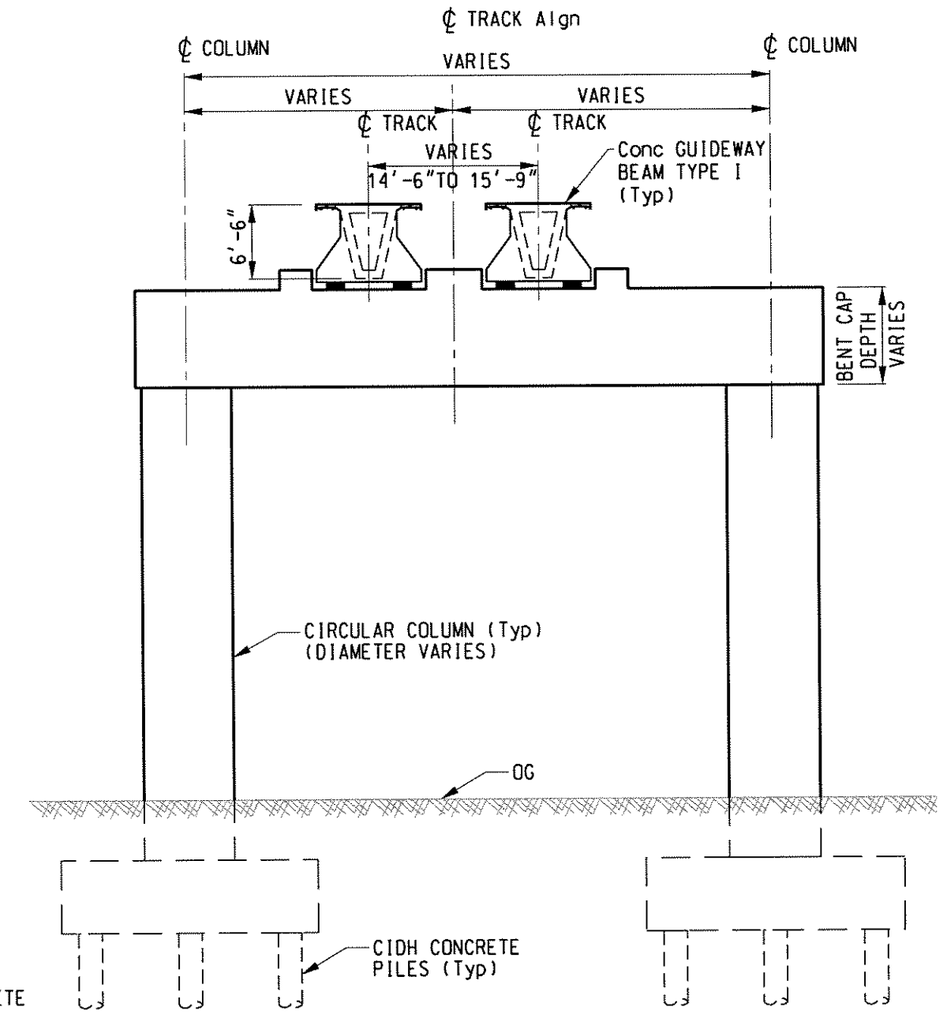

STRUCTURE TYPE 3 - TYPICAL SECTION
(SPAN LENGTH ≤ 100')

NOTES:
1) GUIDEWAY BEAM TYPE I IS TRANSRAPID INTERNATIONAL STANDARD PREFABRICATED BEAM SECTION.
2) FOR STRUCTURE COMPONENT SIZE SEE STRUCTURAL DATA SHEETS.

FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	DKH
DRAWN BY	CBC
CHECKED BY	EK
APPROVED BY	DCH
DATE	XX/XX/XX

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

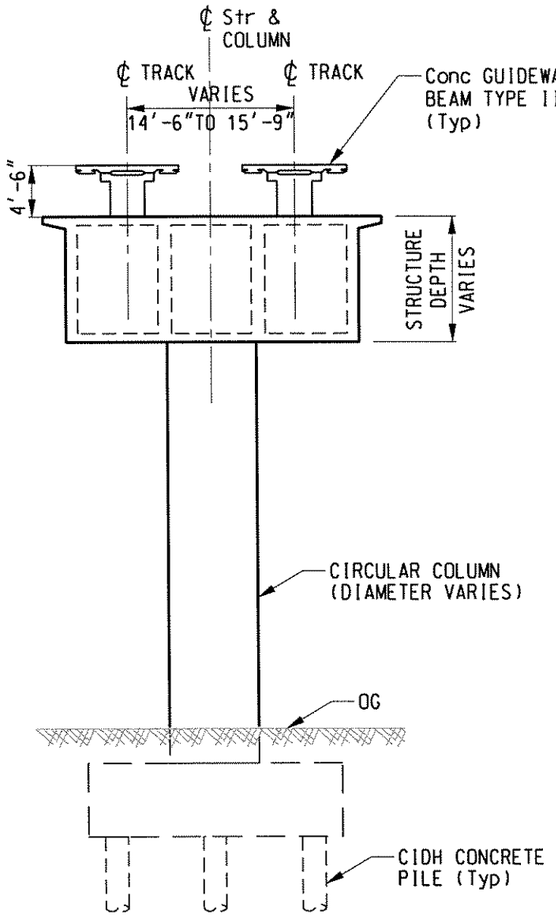
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
TYPICAL SECTION NO. 1

ALIGNMENT
PART
REVISION
SHEET NO. 5
SCALE: NO SCALE



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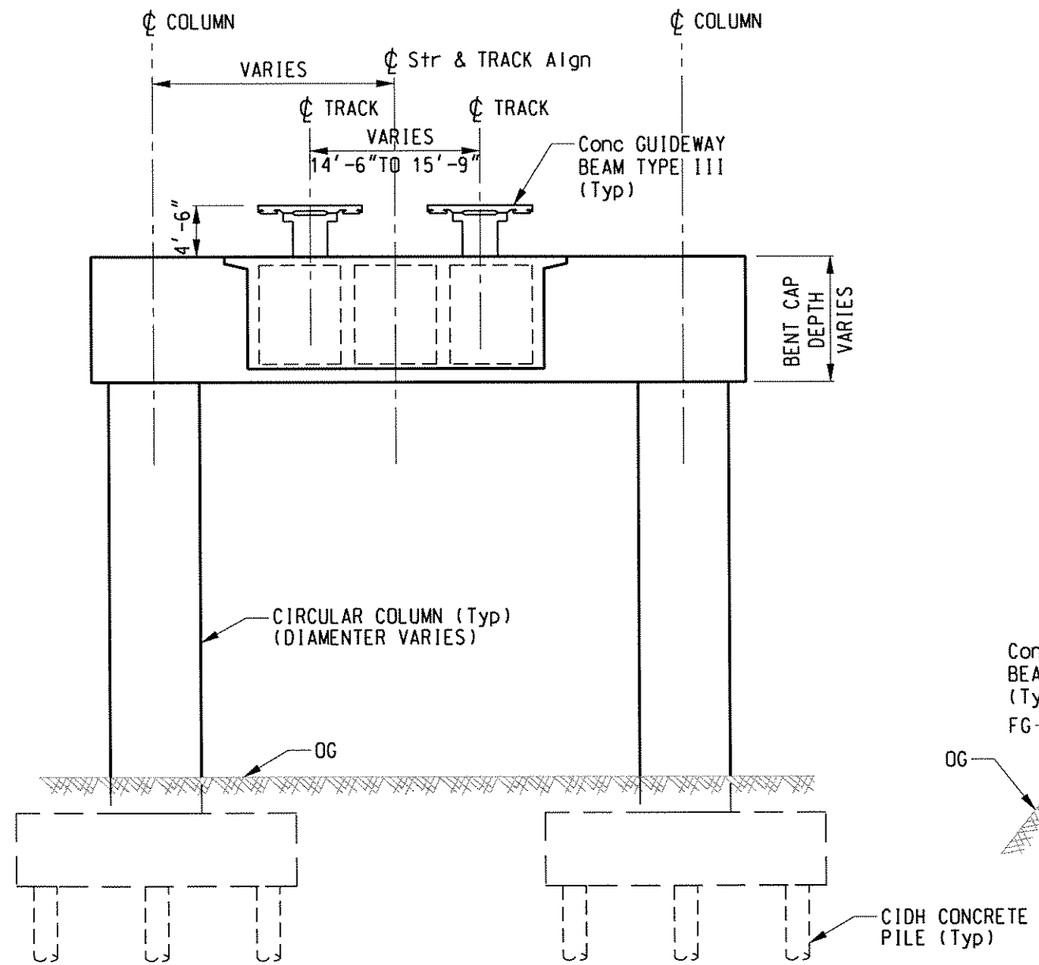
(SPAN LENGTH >100')



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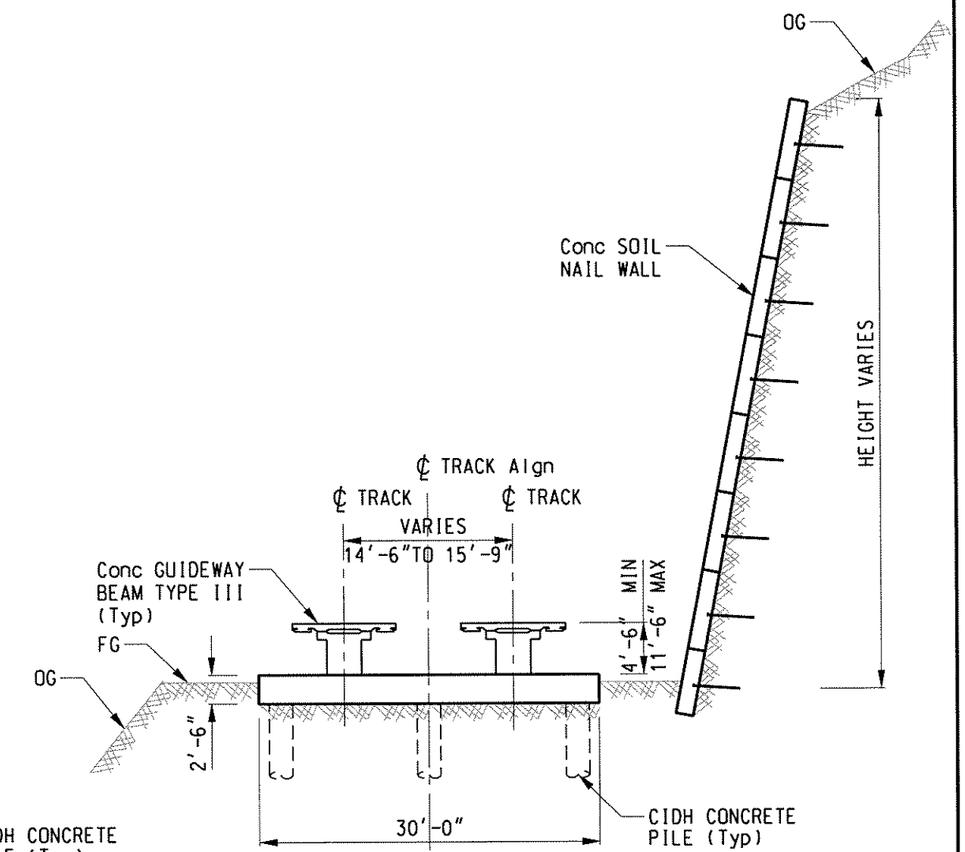

STRUCTURE TYPE 6 - TYPICAL RETAINED CUT SECTION

NOTES:
1) GUIDEWAY BEAM TYPE III IS TRANSRAPID INTERNATIONAL STANDARD PREFABRICATED BEAM SECTION.
2) FOR STRUCTURE COMPONENT SIZE SEE STRUCTURAL DATA SHEETS.

FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	DKH
DRAWN BY	CBC
CHECKED BY	EK
APPROVED BY	DCH
DATE	XX/XX/XX

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

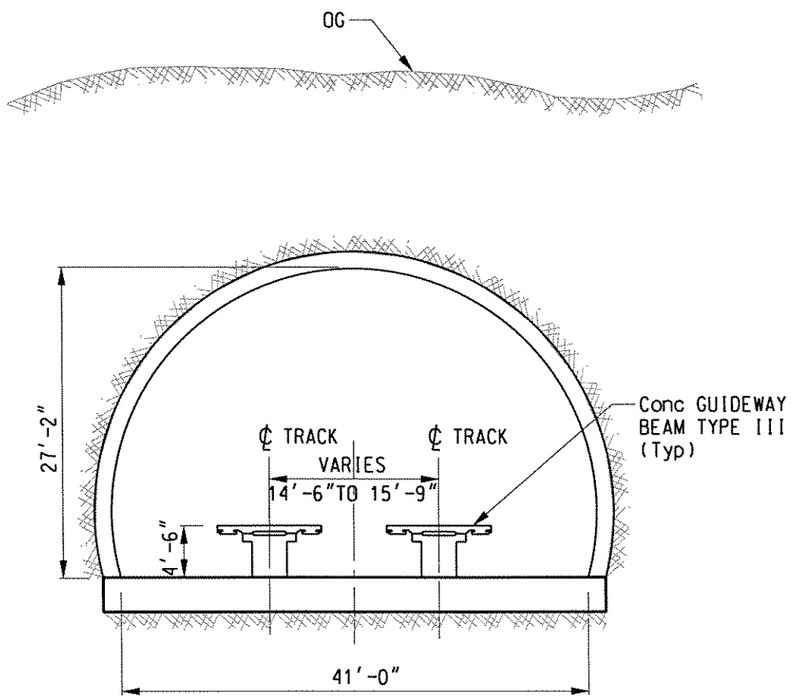
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
TYPICAL SECTION NO. 2

ALIGNMENT
PART
REVISION
SHEET NO. 6
SCALE: NO SCALE



STRUCTURE TYPE 7 - BORED TUNNEL

NOTES:
1) GUIDEWAY BEAM TYPE III IS TRANSRAPID INTERNATIONAL STANDARD PREFABRICATED BEAM SECTION.
2) FOR STRUCTURE COMPONENT SIZE SEE STRUCTURAL DATA SHEETS.

FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY DKH
DRAWN BY CBC
CHECKED BY EK
APPROVED BY DCH
DATE XX/XX/XX

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

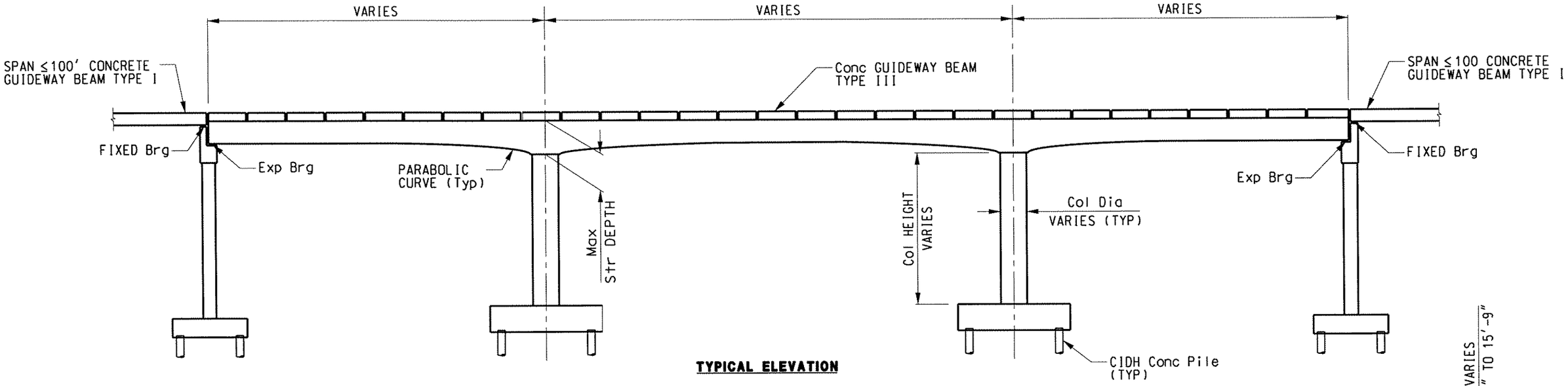
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

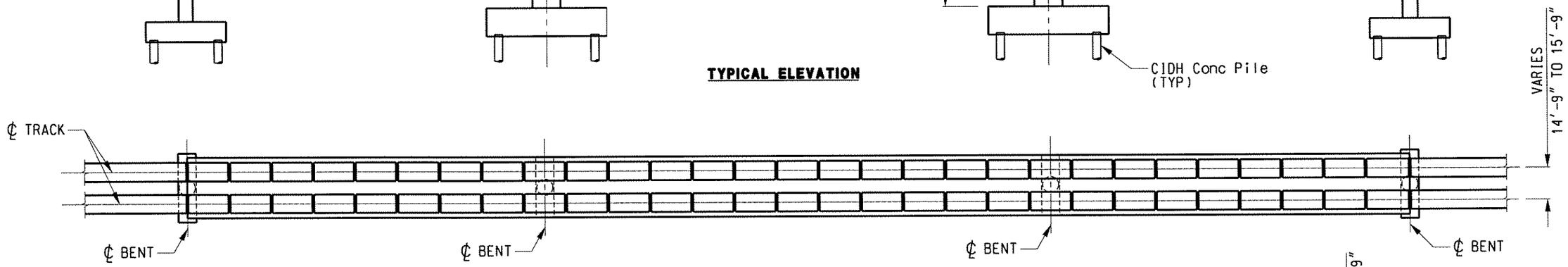
FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
TYPICAL SECTION NO. 3

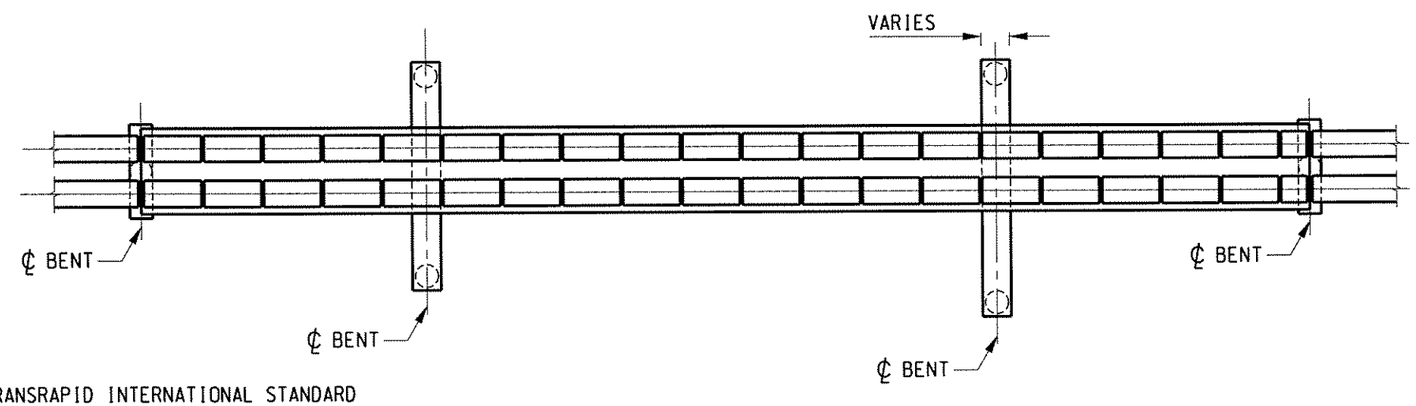
ALIGNMENT
PART
REVISION
SHEET NO. 7
SCALE: NO SCALE



TYPICAL ELEVATION



TYPICAL PLAN- STRUCTURE TYPE 4



TYPICAL PLAN- STRUCTURE TYPE 5

NOTES:
1) GUIDEWAY BEAMS TYPE I AND III ARE TRANSRAPID INTERNATIONAL STANDARD PREFABRICATED BEAM SECTIONS.
2) FOR STRUCTURE COMPONENT SIZE SEE STRUCTURAL DATA SHEETS.

FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	Sup.	APP.

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DRAWN BY	CBC
CHECKED BY	EK
APPROVED BY	DCH
DATE	XX/XX/XX

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
TYPICAL PLAN & ELEVATION

ALIGNMENT
PART
REVISION
SHEET NO. 8
SCALE: NO SCALE

FINAL SUBMITTAL SET (JULY 28, 2006)

STRUCTURAL DATA TABLES (I - 10)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
106+50.00	123+80.00	1					6
123+80.00	127+10.00	4	130	9			10
127+10.00	139+60.00	1					7
139+60.00	147+60.00	3			120	12.5	6
147+60.00	150+90.00	1					7
150+90.00	153+80.00	3			65	8.5	6
153+80.00	157+60.00	4	180	12.5			12
157+60.00	164+65.00	1					6
164+65.00	167+65.00	2					6x8
167+65.00	189+55.00	1					6
189+55.00	193+20.00	4	165	11.5			12
193+20.00	194+20.00	1					7
194+20.00	195+20.00	2					6x8
195+20.00	197+20.00	3			50	7.5	6
197+20.00	207+65.00	1					7
207+65.00	209+65.00	3			50	7.5	6
209+65.00	211+65.00	1					7
211+65.00	214+65.00	3			95	11	6
214+65.00	218+65.00	2					6x8
218+65.00	220+65.00	3			95	11	6
220+65.00	235+10.00	1					7
235+10.00	238+65.00	4	155	11			12
238+65.00	246+40.00	1					7
246+40.00	248+40.00	2					6x8
248+40.00	268+40.00	1					7
268+40.00	275+20.00	4	161	11.5			12
275+20.00	277+20.00	3			40	6.5	6
277+20.00	280+00.00	1					7
280+00.00	287+00.00	3			94	11	6
287+00.00	295+95.00	1					7
295+95.00	297+95.00	2					6x8
297+95.00	303+95.00	3			80	10	6
303+95.00	334+90.00	1					7
334+90.00	339+00.00	5	143	10	90	13	10
339+00.00	345+00.00	3			88	10.5	6
345+00.00	354+80.00	1					6
354+80.00	358+85.00	4	205	14.5			12
358+85.00	365+45.00	1					6
365+45.00	368+45.00	3			70	9	6
368+45.00	369+45.00	2					6x8
369+45.00	381+85.00	1					7
381+85.00	382+85.00	2					6x8
382+85.00	392+85.00	3			109	11	6
392+85.00	394+15.00	1					7
394+15.00	396+15.00	3			40	6.5	6
396+15.00	400+95.00	1					6
400+95.00	404+40.00	4	145	10			12
404+40.00	408+10.00	1					7
408+10.00	410+10.00	2					6x8
410+10.00	412+10.00	1					6
412+10.00	417+10.00	3			65	8.5	6
417+10.00	418+10.00	2					6x8
418+10.00	432+60.00	1					7
432+60.00	436+60.00	3			55	8	6
436+60.00	441+40.00	2					6x8
441+40.00	453+25.00	3			93	10.5	6

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
453+25.00	479+50.00	1					6
479+50.00	480+50.00	2					6x8
480+50.00	482+50.00	3			45	7	6
482+50.00	492+50.00	1					6
492+50.00	494+50.00	3			45	7	6
494+50.00	516+50.00	1					7
516+50.00	519+80.00	4	130	9			10
519+80.00	527+20.00	1					7
527+20.00	530+25.00	3			40	6.5	6
530+25.00	535+45.00	1					7
535+45.00	538+85.00	4	140	10			12
538+85.00	542+80.00	1					7
542+80.00	546+80.00	3			45	7	6
546+80.00	579+70.00	1					7
579+70.00	581+70.00	3			40	6.5	6
581+70.00	584+15.00	1					6
584+15.00	587+30.00	2					6x8
587+30.00	591+10.00	1					6
591+10.00	593+10.00	2					6x8
593+10.00	602+75.00	1					7
602+75.00	605+75.00	3			35	6.5	6
605+75.00	618+80.00	1					6
618+80.00	621+80.00	3			40	6.5	6
621+80.00	627+45.00	1					6
627+45.00	632+45.00	3			65	8.5	6
632+45.00	634+45.00	2					6x8
634+45.00	639+80.00	1					7
639+80.00	641+80.00	2					6x8
641+80.00	643+80.00	3			40	6.5	6
643+80.00	658+90.00	1					7
658+90.00	660+90.00	3			35	6.5	6
660+90.00	669+15.00	1					7
669+15.00	671+15.00	3			40	6.5	6
671+15.00	677+75.00	1					7
677+75.00	679+75.00	3			35	6.5	6
679+75.00	684+00.00	1					7
684+00.00	686+00.00	3			110	11.5	6
686+00.00	704+05.00	1					7
704+05.00	706+05.00	3			90	10.5	6
706+05.00	713+20.00	1					7
713+20.00	720+00.00	4	158	11			12
720+00.00	724+18.00	5	210	15	120	18	10
724+18.00	729+18.00	4	215	15			12
729+18.00	756+40.00	1					6
756+40.00	758+75.00	4	135	9.5			10
758+75.00	763+40.00	3			71	9	6
763+40.00	768+40.00	2					6x8
768+40.00	776+70.00	1					6
776+70.00	781+70.00	3			67	9	6
781+70.00	784+10.00	2					6x8
784+10.00	792+00.00	1					6
792+00.00	794+00.00	3			60	8.5	6
794+00.00	801+00.00	1					7
801+00.00	803+00.00	3			45	7	6
803+00.00	836+10.00	1					6
836+10.00	837+10.00	2					6x8

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
837+10.00	839+80.00	1					6
839+80.00	843+40.00	4	156	11			12
843+40.00	862+25.00	1					7
862+25.00	865+25.00	2					6x8
865+25.00	869+35.00	1					7
869+35.00	872+45.00	4	110	8			10
872+45.00	900+02.00	1					7
900+02.00	917+00.00	1					7
917+00.00	921+00.00	4	200	14			12
921+00.00	966+00.00	1					7
966+00.00	970+00.00	4	200	14			12
970+00.00	983+00.00	1					6
983+00.00	986+00.00	3			80	10	6
986+00.00	987+00.00	1					6
987+00.00	994+00.00	2					6x8
994+00.00	998+00.00	1					6
998+00.00	1003+00.00	5	200	14	140	17	10
1003+00.00	1019+00.00	3			80	10	6
1019+00.00	1022+00.00	4	200	14			12
1022+00.00	1044+00.00	1					7
1044+00.00	1046+00.00	4	150	10.5			12
1046+00.00	1067+00.00	1					7
1067+00.00	1072+00.00	4	125	9			10
1072+00.00	1079+00.00	1					6
1079+00.00	1085+00.00	3			45	7	6
1085+00.00	1140+00.00	1					7
1140+00.00	1145+97.15	3			140	13.5	6
1145+97.15	1159+40.00	1					6
1159+40.00	1163+25.00	4	180	12.5			12
1163+25.00	1165+15.00	1					7
1165+15.00	1167+15.00	3			100	11	6
1167+15.00	1168+45.00	5	130	9	100	12	10
1168+45.00	1173+45.00	3			100	11	6
1173+45.00	1175+15.00	1					6
1175+15.00	1182+15.00	3			84	10	6
1182+15.00	1184+55.00	4	140	10			12
1184+55.00	1186+55.00	1					7
1186+55.00	1193+35.00	4	126	9			10
1193+35.00	1197+30.00	1					7
1197+30.00	1198+40.00	5	107	7.5	120	10.5	10
1198+40.00	1200+40.00	3			113	12	6
1200+40.00	1203+10.00	5	135	9.5	108	12.5	10
1203+10.00	1210+10.00	1					7
1210+10.00	1213+70.00	4	160	11.5			12
1213+70.00	1219+70.00	3			63	8.5	6
1219+70.00	1248+55.00	1					6
1248+55.00	1252+55.00	2					6x8
1252+55.00	1254+55.00	1					6
1254+55.00	1256+15.00	2					6x8
1256+15.00	1263+20.00	3			98	11	6
1263+20.00	1268+55.00	3			104	11.5	6
1268+55.00	1270+60.00	4	105	7.5			10
1270+60.00	1299+80.00	1					6
1299+80.00	1304+80.00	2					6x8
1304+80.00	1333+60.00	1					6
1333+60.00	1339+65.00	2					6x8

NOTES: 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED. 2. STRUCTURE DEPTH DOES NOT INCLUDE DEPTH OF PREFABRICATED GUIDEWAY BEAM. 3. SPAN LENGTHS ARE 100' UNLESS OTHERWISE NOTED. 4. STRUCTURE DEPTH FOR GUIDEWAY TYPES 1.2 AND 3 IS 6.5'.

REV.	DATE	DESCRIPTION	BY	CHK	APP.

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DESIGNED BY DKH
DRAWN BY CBC
CHECKED BY EK
APPROVED BY DCH
DATE 06/30/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
STRUCTURAL DATA NO. 1

ALIGNMENT
PART
REVISION
SHEET NO. 9
SCALE:

User: RUSERNAME DATE
Date Plotted: DATE
Filename: RFILE
WORK ELEMENT
PHYSICAL ENTITY
CONTRACT DESIGNATION
LINE TYPE
COST ELEMENT
PROJECT NUMBER

FINAL SUBMITTAL SET (JULY 28, 2006)

STRUCTURAL DATA TABLES (I - 10)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1339+65.00	1378+60.00	1					7
1378+60.00	1384+30.00	2					6x8
1384+30.00	1403+45.00	1					6
1403+45.00	1410+45.00	2					6x8
1410+45.00	1428+40.00	1					7
1428+40.00	1436+40.00	2					6x8
1436+40.00	1438+40.00	3			40	6.5	6
1438+40.00	1455+45.00	1					6
1455+45.00	1458+45.00	2					6x8
1458+45.00	1465+70.00	1					6
1465+70.00	1466+70.00	2					6x8
1466+70.00	1480+45.00	1					6
1480+45.00	1483+45.00	2					6x8
1483+45.00	1492+50.00	1					6
1492+50.00	1501+50.00	3			40	6.5	6
1501+50.00	1505+70.00	1					6
1505+70.00	1510+70.00	2					6x8
1510+70.00	1547+10.00	1					6
1547+10.00	1549+10.00	3			30	6	6
1549+10.00	1551+10.00	1					6
1551+10.00	1554+10.00	3			100	11	6
1554+10.00	1555+10.00	1					6
1555+10.00	1559+10.00	3			90	10.5	6
1559+10.00	1562+50.00	4	140	10			12
1562+50.00	1580+05.00	1					7
1580+05.00	1583+05.00	3			65	8.5	6
1583+05.00	1584+40.00	5	135	9.5	60	12.5	10
1584+40.00	1588+40.00	3			59	8.5	6
1588+40.00	1593+00.00	1					6
1593+00.00	1601+00.00	2					6x8
1601+00.00	1604+25.00	4	125	9			10
1604+25.00	1636+80.00	1					6
1636+80.00	1640+80.00	2					6x8
1640+80.00	1663+50.00	1					7
1663+50.00	1668+50.00	3			97	11	6
1668+50.00	1669+50.00	2					6x8
1669+50.00	1673+50.00	3			97	11	6
1673+50.00	1674+50.00	2					6x8
1674+50.00	1678+10.00	1					6
1678+10.00	1682+90.00	5	128	9	97	12	10
1682+90.00	1688+40.00	3			93	10.5	6
1688+40.00	1690+40.00	1					7
1690+40.00	1692+40.00	3			50	7.5	6
1692+40.00	1697+80.00	1					6
1697+80.00	1705+55.00	4	195	13.5			12
1705+55.00	1713+65.00	1					7
1713+65.00	1716+90.00	4	125	9			10
1716+90.00	1721+80.00	1					7
1721+80.00	1724+80.00	3			60	8.5	6
1724+80.00	1728+10.00	4	130	9			10
1728+10.00	1738+45.00	1					7
1738+45.00	1741+45.00	3			50	7.5	6
1741+45.00	1748+60.00	1					6
1748+60.00	1750+60.00	3			55	8	6
1750+60.00	1765+50.00	1					7
1765+50.00	1767+50.00	3			60	8.5	6

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1767+50.00	1770+70.00	1					7
1770+70.00	1773+80.00	4	110	8			10
1773+80.00	1792+00.00	1					7
1792+00.00	1795+10.00	4	110	8			10
1795+10.00	1802+75.00	1					7
1802+75.00	1806+40.00	4	165	11.5			12
1806+40.00	1808+00.00	3			40	6.5	6
1808+00.00	1812+00.00	4	200	14			12
1812+00.00	1830+80.00	1					7
1830+80.00	1834+00.00	4	120	8.5			10
1834+00.00	1835+60.00	2					6x8
1835+60.00	1839+60.00	3			48	7.5	6
1839+60.00	1840+55.00	2					6x8
1840+55.00	1844+55.00	3			55	8	6
1844+55.00	1872+00.00	1					6
1872+00.00	1873+00.00	2					6x8
1873+00.00	1883+00.00	3			105	11.5	6
1883+00.00	1884+00.00	2					6x8
1884+00.00	1890+50.00	3			97	11	6
1890+50.00	1891+50.00	2					6x8
1891+50.00	1940+90.00	1					6
1940+90.00	1945+30.00	2					6x8
1945+30.00	1960+80.00	1					6
1960+80.00	1962+80.00	3			65	8.5	6
1962+80.00	1986+90.00	1					6
1986+90.00	1987+90.00	2					6x8
1987+90.00	1991+80.00	3			143	13.5	6
1991+80.00	2005+45.00	1					6
2005+45.00	2009+45.00	3			55	8	6
2009+45.00	2038+50.00	1					6
2038+50.00	2040+50.00	2					6x8
2040+50.00	2042+50.00	3			70	9	6
2042+50.00	2052+50.00	2					6x8
2052+50.00	2054+50.00	1					6
2054+50.00	2055+50.00	2					6x8
2055+50.00	2074+00.00	1					6
2074+00.00	2076+00.00	3			142	13.5	6
2076+00.00	2078+35.00	5	130	9	142	12	10
2078+35.00	2081+15.00	1					7
2081+15.00	2083+15.00	2					6x8
2083+15.00	2094+05.00	1					7
2094+05.00	2096+05.00	3			140	13.5	6
2096+05.00	2101+85.00	1					6
2101+85.00	2102+85.00	2					6x8
2102+85.00	2120+65.00	1					6
2120+65.00	2122+65.00	3			55	8	6
2122+65.00	2125+65.00	1					7
2125+65.00	2129+00.00	4	135	9.5			10
2129+00.00	2130+00.00	1					6
2130+00.00	2136+00.00	3			101	11	6
2136+00.00	2143+00.00	2					6x8
2143+00.00	2150+00.00	3			87	10.5	6
2150+00.00	2151+00.00	1					6
2151+00.00	2155+50.00	3			64	8.5	6
2155+50.00	2166+00.00	1					7
2166+00.00	2168+00.00	6					

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
2168+00.00	2174+70.00	3			115	12	6
2174+70.00	2179+70.00	3			90	10.5	6
2179+70.00	2185+00.00	1					6
2185+50.00	2191+00.00	6					
2191+00.00	2231+00.00	1					7
2231+00.00	2247+00.00	6					
2247+00.00	2289+43.00	1					7
2289+43.00	2292+43.00	3			45		6
2292+43.00	2296+27.00	1					7
2296+27.00	2298+43.00	3			50	7.5	6
2298+43.00	2309+15.00	1					7
2309+15.00	2315+25.00	4	203	14.5			12
2315+25.00	2334+10.00	1					7
2334+10.00	2335+10.00	2					6x8
2335+10.00	2337+55.00	1					6
2337+55.00	2344+30.00	4	139	10			12
2344+30.00	2353+80.00	1					6
2353+80.00	2354+80.00	2					6x8
2354+80.00	2357+80.00	3			127	12.5	6
2357+80.00	2362+25.00	1					6
2362+25.00	2364+25.00	2					6x8
2364+25.00	2376+05.00	1					7
2376+05.00	2381+05.00	3			95	11	6
2381+05.00	2385+65.00	1					7
2385+65.00	2392+65.00	3			110	11.5	6
2392+65.00	2395+97.00	1					6
2395+97.00	2415+00.00	1					6
2415+00.00	2430+00.00	3			60	8.5	6
2430+00.00	2540+00.00	1					6
2540+00.00	2544+00.00	4	200	14			12
2544+00.00	2815+00.00	1					7
2815+00.00	2821+00.00	3			90	10.5	6
2821+00.00	2831+00.00	1					6
2831+00.00	2835+00.00	3			65	8.5	6
2835+00.00	2856+40.00	1					6.5
2856+40.00	2857+19.00	3			110	11	6
2857+19.00	2860+45.00	5	115	15	120	18	10
2860+45.00	2862+03.00	3			110		6.5
2862+03.00	2863+03.00	2					6x8
2863+03.00	2870+03.00	3			115	12	6
2870+03.00	2891+03.00	1					6.5
2891+03.00	2892+03.00	2					6x8
2892+03.00	2895+18.00	4	115	8.5			9
2895+18.00	2912+00.00	1					6.5
2912+00.00	2913+00.00	2					6x8
2913+00.00	2929+34.00	1					6.5
2929+34.00	2931+79.00	3			100	11	6
2931+79.00	2933+39.00	3			50	8	6
2933+39.00	2936+00.00	3			102	11	6
2936+00.00	2937+58.00	1					6x8
2937+58.00	2940+70.00	4	112	8.5			9
2940+70.00	2956+61.17	1					6.5

NOTES: 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED. 2. STRUCTURE DEPTH DOES NOT INCLUDE DEPTH OF PREFABRICATED GUIDEWAY BEAM. 3. SPAN LENGTHS ARE 100' UNLESS OTHERWISE NOTED. 4. STRUCTURE DEPTH FOR GUIDEWAY TYPES 1.2 AND 3 IS 6.5'.

REV.	DATE	DESCRIPTION	BY	SUB	APP.

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DESIGNED BY DKH
DRAWN BY CBC
CHECKED BY EK
APPROVED BY DCH
DATE 06/30/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.

FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
STRUCTURAL DATA NO. 2

ALIGNMENT
PART
REVISION
SHEET NO. 10
SCALE:

STRUCTURAL DATA TABLES (SR - 60)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1164+31.26	1167+15.00	3			100	11	6
1167+15.00	1168+50.00	5	135	9.5	115	12.5	10
1168+50.00	1178+37.00	3			98	11	6
1178+37.00	1180+74.00	5	137	9.5	104	12.5	10
1180+74.00	1182+62.00	3			120	12.5	6
1182+62.00	1184+02.00	5	140	10	112	13	10
1184+02.00	1184+90.00	3			112	12	6
1184+90.00	1187+67.00	4	177	12.5			12
1187+67.00	1191+10.00	3			80	10	6
1191+10.00	1201+65.00	1					7
1201+65.00	1205+65.00	3			100	11	6
1205+65.00	1217+93.00	1					6
1217+93.00	1221+93.00	3			75	9.5	6
1221+93.00	1223+93.00	1					6
1223+93.00	1227+93.00	3			75	9.5	6
1227+93.00	1228+93.00	2					6x8
1228+93.00	1250+15.00	1					6
1250+15.00	1252+15.00	2					6x8
1252+15.00	1254+15.00	3			115	12	6
1254+15.00	1268+07.00	1					7
1268+07.00	1270+07.00	3			40	7	6
1270+07.00	1277+41.00	1					7
1277+41.00	1279+41.00	3			55	8	6
1279+41.00	1280+78.00	1					7
1280+78.00	1286+22.00	4	177	12.5			12
1286+22.00	1287+02.00	1					6
1287+02.00	1289+42.00	4	140	10			12
1289+42.00	1292+07.00	1					7
1292+07.00	1294+28.00	4	121	8.5			10
1294+28.00	1298+89.00	5	130	9	78	12	10
1298+89.00	1301+89.00	3			78	10	6
1301+89.00	1304+76.00	1					7
1304+76.00	1309+76.00	3			123	12.5	6
1309+76.00	1333+27.00	1					7
1333+27.00	1336+27.00	3			65	8.5	6
1336+27.00	1349+97.00	1					7
1349+97.00	1351+97.00	3			45	7	6
1351+97.00	1353+97.00	2					6x8
1353+97.00	1378+18.00	1					6
1378+18.00	1380+18.00	2					6x8
1380+18.00	1393+73.00	1					6
1393+73.00	1399+73.00	2					6x8
1399+73.00	1401+73.00	3			45	7	6
1401+73.00	1409+01.00	1					6
1409+01.00	1411+40.00	4	139	10			12
1411+40.00	1450+58.00	1					6
1450+58.00	1452+58.00	3			42	7	6
1452+58.00	1514+01.00	1					7
1514+01.00	1517+01.00	3			40	7	6
1517+01.00	1523+31.00	1					7
1523+31.00	1526+94.00	4	162	11.5			12
1526+94.00	1527+83.00	1					6
1527+83.00	1530+83.00	3			80	10	6
1530+83.00	1539+73.00	1					7
1539+73.00	1541+73.00	3			78	10	6
1541+73.00	1544+73.00	1					6

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1544+73.00	1545+73.00	2					6x8
1545+73.00	1553+23.00	1					7
1553+23.00	1556+23.00	3			58	8.5	6
1556+23.00	1562+50.00	1					7
1562+50.00	1565+72.00	4	122	8.5			10
1565+72.00	1572+00.00	1					6
1572+00.00	1576+00.00	3			72	9.0	6
1576+00.00	1580+00.00	3			74	9.5	6
1580+00.00	1609+24.00	1					6
1609+24.00	1611+24.00	3			35	6.5	6
1611+24.00	1613+11.00	1					7
1613+11.00	1616+69.00	4	158	11			12
1616+69.00	1624+59.00	1					6
1624+59.00	1626+59.00	3			112	12	6
1626+59.00	1627+59.00	2					6x8
1627+59.00	1643+91.00	1					6
1643+91.00	1647+91.00	2					6x8
1647+91.00	1649+91.00	3			120	12.5	6
1649+91.00	1652+39.00	1					6
1652+39.00	1655+69.00	4	130	9			10
1655+69.00	1660+16.00	2					6x8
1660+16.00	1665+72.00	1					6
1665+72.00	1668+72.00	3			118	12.5	6
1668+72.00	1682+36.00	1					6
1682+36.00	1687+36.00	2					6x8
1687+36.00	1691+36.00	3			122	12.5	6
1691+36.00	1697+65.00	2					6x8
1697+65.00	1702+23.00	1					7
1702+23.00	1706+23.00	3			120	12.5	6
1706+23.00	1723+36.00	1					7
1723+36.00	1725+36.00	2					6x8
1725+36.00	1727+36.00	3			55	8	6
1727+36.00	1741+21.00	1					7
1741+21.00	1743+21.00	3			65	8.5	6
1743+21.00	1746+21.00	2					6x8
1746+21.00	1756+00.00	1					7
1756+00.00	1765+00.00	2					6x8
1765+00.00	1767+00.00	1					7
1767+00.00	1772+00.00	3			93	10.5	6
1772+00.00	1773+00.00	1					7
1773+00.00	1777+22.00	3			98	11	6
1777+22.00	1780+47.00	4	124	8.5			10
1780+47.00	1781+30.00	1					7
1781+30.00	1784+75.00	4	145	10			10
1784+75.00	1858+18.00	1					6
1858+18.00	1861+18.00	3			126	12.5	6
1861+18.00	1868+20.00	1					7
1868+20.00	1870+20.00	3			125	12.5	6
1870+20.00	1875+88.00	1					6
1875+88.00	1879+33.00	4	145	10			12
1879+33.00	1881+52.00	1					7
1881+52.00	1882+52.00	2					6x8
1882+52.00	1889+32.00	5	145	10	101	13	10
1889+32.00	1894+00.00	3			82	10	6
1894+00.00	1895+00.00	2					6x8
1895+00.00	1937+65.00	1					7

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1937+65.00	1944+65.00	2					6x8
1944+65.00	1946+65.00	3			40	7	6
1946+65.00	1948+65.00	2					6x8
1948+65.00	1955+65.00	1					6
1955+65.00	1956+65.00	2					6x8
1956+65.00	1961+50.00	1					6
1961+50.00	1963+50.00	3			45	7	6
1963+50.00	2039+42.00	1					6
2039+42.00	2057+42.00	2					6x8
2057+42.00	2058+84.00	1					7
2058+84.00	2062+34.00	4	150	10.5			12
2062+34.00	2069+56.00	1					7
2069+56.00	2071+56.00	3			110	12	6
2071+56.00	2130+95.00	1					6
2130+95.00	2132+95.00	3			115	12	6
2132+95.00	2134+95.00	2					6x8
2134+95.00	2138+02.00	1					6
2138+02.00	2142+02.00	2					6x8
2142+02.00	2148+31.00	1					6
2148+31.00	2150+31.00	3			112	12	6
2150+31.00	2176+62.00	1					6
2176+62.00	2183+62.00	2					6x8
2183+62.00	2186+62.00	3			108	11.5	6
2186+62.00	2188+48.00	1					7
2188+48.00	2191+78.00	4	130	9			10
2191+78.00	2192+78.00	2					6x8
2192+78.00	2197+20.00	1					7
2197+20.00	2198+20.00	2					6x8
2198+20.00	2200+20.00	3			110	11.5	6
2200+20.00	2203+20.00	2					6x8
2203+20.00	2214+14.00	3			75	9.5	6
2214+14.00	2217+14.00	2					6x8
2217+14.00	2235+58.00	1					6
2235+58.00	2238+58.00	3			100	11	6
2238+58.00	2244+36.00	1					6
2244+36.00	2259+36.00	2					6x8
2259+36.00	2264+36.00	3			105	11.5	6
2264+36.00	2270+36.00	2					6x8
2270+36.00	2312+36.00	1					6
2312+36.00	2314+36.00	2					6x8
2314+36.00	2316+46.00	3			35	6.5	6
2316+46.00	2319+36.00	2					6x8
2319+36.00	2323+96.00	1					7
2323+96.00	2327+23.00	4	128	9			10
2327+23.00	2328+60.00	1					7
2328+60.00	2331+00.00	5	140	10	65	13	10
2331+00.00	2333+00.00	2					6x8
2333+00.00	2336+00.00	3			81	10	6
2336+00.00	2339+00.00	1					7
2339+00.00	2344+00.00	3			96	11	6
2344+00.00	2344+70.00	1					7
2344+70.00	2348+00.00	5	130	9	98	12	10
2348+00.00	2351+00.00	3			88	10.5	6
2351+00.00	2400+08.00	1					7
2400+08.00	2403+35.00	4	128	9			10
2403+35.00	2413+73.00	1					7

NOTES: 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED. 2. STRUCTURE DEPTH DOES NOT INCLUDE DEPTH OF PREFABRICATED GUIDEWAY BEAM. 3. SPAN LENGTHS ARE 100' UNLESS OTHERWISE NOTED. 4. STRUCTURE DEPTH FOR GUIDEWAY TYPES 1,2 AND 3 IS 6.5'.

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO.
FRA Grant Agreement NO.

MAGLEV DEPLOYMENT PROGRAM
PHASE II
STRUCTURE TYPE
STRUCTURAL DATA NO. 3

ALIGNMENT
PART
REVISION
SHEET NO. 11
SCALE:

STRUCTURAL DATA TABLES (SR - 60)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
2413+73.00	2421+73.00	3			115	12	6
2421+73.00	2429+73.00	3			105	12	6
2429+73.00	2441+30.00	1					7
2441+30.00	2445+30.00	3			70	9	6
2445+30.00	2449+37.00	1					7
2449+37.00	2452+37.00	3			129	13	6
2452+37.00	2454+37.00	3			75	10	6
2454+37.00	2459+57.00	1					7
2459+57.00	2462+57.00	3			70	9	6
2462+57.00	2467+57.00	1					7
2467+57.00	2470+57.00	2					6x8
2470+57.00	2486+56.00	1					6
2486+56.00	2492+56.00	2					6x8
2492+56.00	2521+17.00	1					6
2521+17.00	2522+17.00	2					6x8
2522+17.00	2526+17.00	3			55	8	6
2526+17.00	2536+56.00	1					6
2536+56.00	2538+56.00	3			60	9	6
2538+56.00	2542+11.00	4	155	11			12
2542+11.00	2543+93.00	1					7
2543+93.00	2545+93.00	3			40	7	6
2545+93.00	2562+00.00	1					7
2562+00.00	2584+50.00	7					
2584+50.00	2586+10.00	6					
2586+10.00	2593+00.00	7					
2593+00.00	2665+77.02	1					7

STRUCTURAL DATA TABLES (UPRR)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1590+31.58	1595+00.00	1					6
1595+00.00	1621+00.00	3			100	11	6
1621+00.00	1652+00.00	1					6
1652+00.00	1655+00.00	3			85	10	6
1665+00.00	1667+00.00	1					6
1667+00.00	1669+00.00	3			105	11.5	6
1669+00.00	1672+00.00	1					6
1672+00.00	1686+00.00	3			90	10.5	6
1686+00.00	1711+00.00	1					7
1711+00.00	1716+00.00	4	200	14			12
1716+00.00	1719+00.00	1					7
1719+00.00	1725+00.00	3			110	11.5	6

STRUCTURAL DATA TABLES (UPRR)

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
1725+00.00	1729+00.00	1					6
1729+00.00	1731+00.00	3			90	10.5	6
1731+00.00	1733+00.00	1					6
1733+00.00	1740+00.00	3			90	10.5	6
1740+00.00	1741+00.00	1					6
1741+00.00	1748+00.00	3			90	10.5	6
1748+00.00	1750+00.00	1					6
1750+00.00	1762+00.00	3			90	10.5	6
1762+00.00	1763+00.00	1					6
1763+00.00	1766+00.00	3			90	10.5	6
1766+00.00	1770+00.00	1					6
1770+00.00	1777+00.00	3			90	10.5	6
1777+00.00	1807+00.00	1					6
1807+00.00	1812+00.00	3			90	10.5	6
1812+00.00	1825+00.00	1					6
1825+00.00	1832+00.00	3			90	10.5	6
1832+00.00	1845+00.00	1					6
1845+00.00	1855+00.00	3			90	10.5	6
1855+00.00	1858+00.00	1					6
1858+00.00	1890+00.00	3			100	11	6
1890+00.00	1964+00.00	1					7
1964+00.00	1973+00.00	3			110	11.5	6
1973+00.00	1985+00.00	1					7
1985+00.00	1989+00.00	3			85	10	6
1989+00.00	1997+00.00	1					7
1997+00.00	2001+00.00	3			90	10.5	6
2001+00.00	2004+00.00	1					7
2004+00.00	2007+00.00	3			85	10	6
2007+00.00	2010+00.00	5	200	14	85	17	10
2010+00.00	2013+00.00	3			85	10	6
2013+00.00	2017+00.00	1					7
2017+00.00	2022+00.00	3			90	10.5	6
2022+00.00	2025+00.00	1					6
2025+00.00	2030+00.00	3			90	10.5	6
2030+00.00	2032+00.00	1					6
2032+00.00	2036+00.00	3			90	10.5	6
2036+00.00	2037+00.00	1					6
2037+00.00	2040+00.00	3			90	10.5	6
2040+00.00	2045+00.00	1					6
2045+00.00	2051+00.00	3			90	10.5	6
2051+00.00	2055+00.00	1					6
2055+00.00	2059+00.00	3			90	10.5	6
2059+00.00	2066+00.00	1					6
2066+00.00	2069+00.00	3			90	10.5	6
2069+00.00	2073+00.00	1					6
2073+00.00	2084+00.00	3			90	10.5	6
2084+00.00	2090+00.00	1					6
2090+00.00	2094+00.00	3			90	10.5	6
2094+00.00	2123+00.00	1					6
2123+00.00	2124+00.00	3			90	10.5	6
2124+00.00	2126+00.00	4	150	10.5			12
2126+00.00	2143+00.00	1					6
2143+00.00	2147+00.00	3			90	10.5	6
2147+00.00	2150+00.00	1					6
2150+00.00	2155+00.00	3			90	10.5	6
2155+00.00	2159+00.00	1					6

FROM STATION	TO STATION	STRUCTURE TYPE	AVERAGE SPAN LENGTH	MAXIMUM STRUCTURE DEPTH	AVERAGE BENT SPAN	TYPICAL BENT CAP DEPTH	TYPICAL COLUMN SIZE CIRCULAR / RECTANGULAR
2159+00.00	2164+00.00	3			90	10.5	6
2164+00.00	2172+00.00	1					6
2172+00.00	2184+00.00	3			90	10.5	6
2184+00.00	2191+00.00	1					6
2191+00.00	2196+00.00	3			90	10.5	6
2196+00.00	2202+00.00	1					6
2202+00.00	2206+00.00	3			90	10.5	6
2206+00.00	2209+00.00	1					6
2209+00.00	2212+00.00	3			90	10.5	6
2212+00.00	2216+00.00	1					6
2216+00.00	2223+00.00	3			100	11	6
2223+00.00	2235+00.00	1					6
2235+00.00	2240+00.00	3			105	11.5	6
2240+00.00	2253+00.00	1					6
2253+00.00	2258+00.00	3			90	10.5	6
2258+00.00	2266+00.00	1					6
2266+00.00	2270+00.00	3			90	10.5	6
2270+00.00	2274+00.00	1					6
2274+00.00	2278+00.00	3			100	11	6
2278+00.00	2284+00.00	1					6
2284+00.00	2287+00.00	3			90	10.5	6
2287+00.00	2290+00.00	4	150	10.5			12
2290+00.00	2355+00.00	1					7
2355+00.00	2365+00.00	3			115	12	6
2365+00.00	2414+00.00	1					7
2414+00.00	2427+00.00	3			80	10	6
2427+00.00	2454+00.00	1					7
2454+00.00	2457+00.00	4	200	14			12
2457+00.00	2487+00.00	1					7
2487+00.00	2492+00.00	3			75	9.5	6
2492+00.00	2511+00.00	1					7
2511+00.00	2514+00.00	4	240	17			14
2514+00.00	2525+94.25	1					6

NOTES: 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED. 2. STRUCTURE DEPTH DOES NOT INCLUDE DEPTH OF PREFABRICATED GUIDEWAY BEAM. 3. SPAN LENGTHS ARE 100' UNLESS OTHERWISE NOTED. 4. STRUCTURE DEPTH FOR GUIDEWAY TYPES 1.2 AND 3 IS 6.5'.

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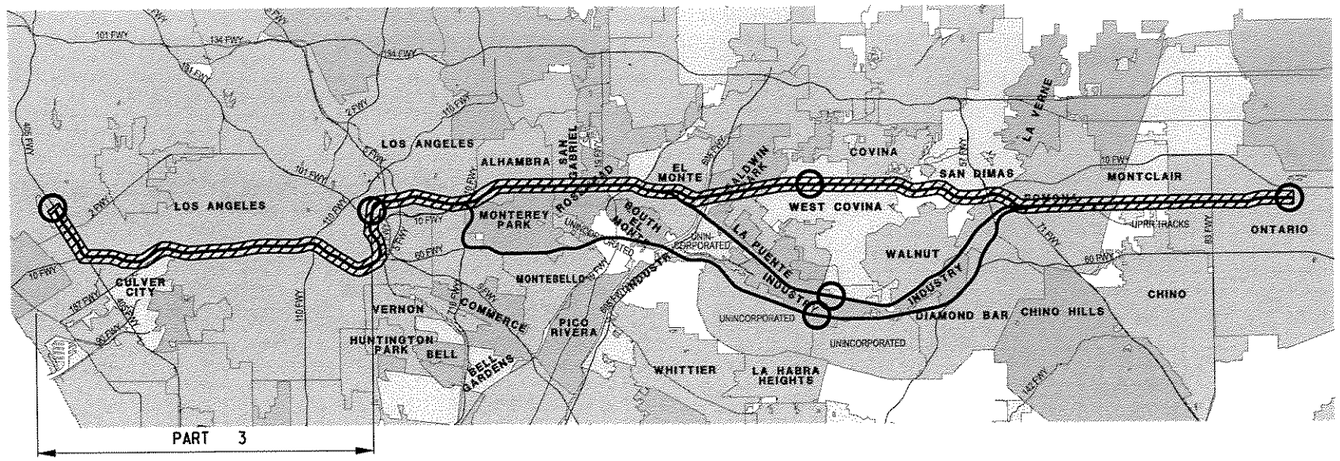
PHASE II
STRUCTURE TYPE
STRUCTURAL DATA NO. 4

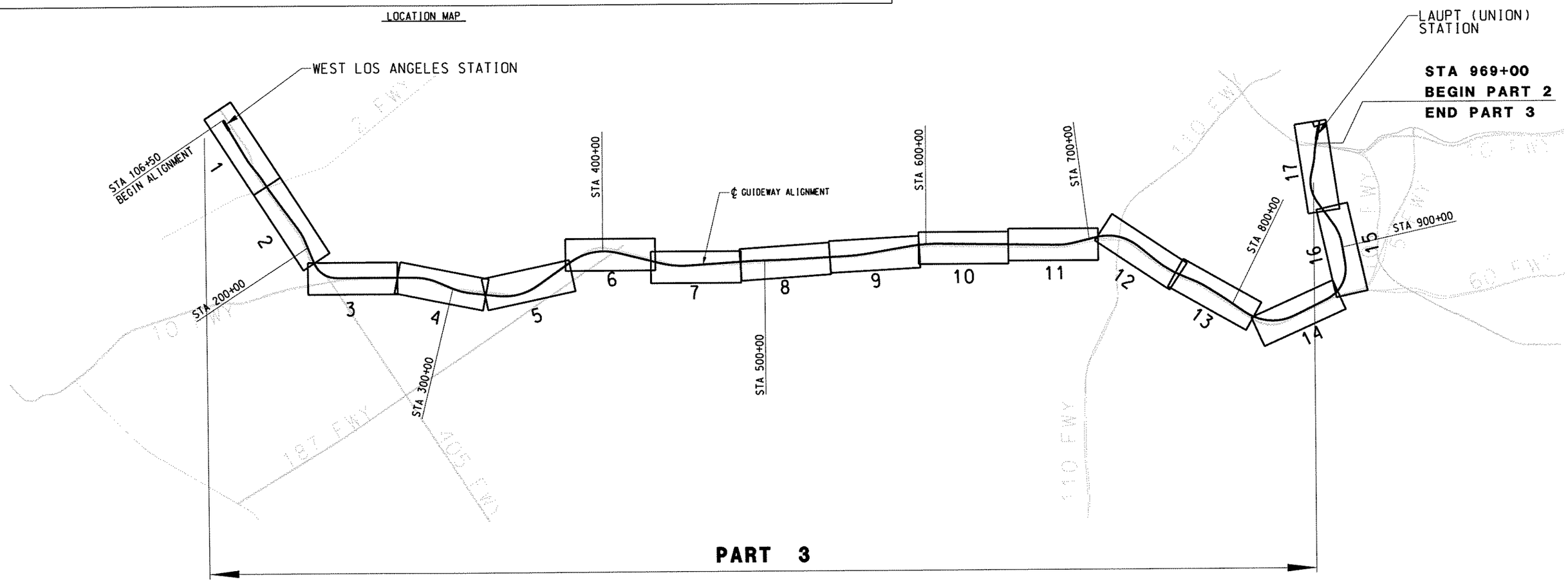
ALIGNMENT
PART
REVISION
SHEET NO. 12
SCALE:



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- PLAN SHEET LIMITS
- 3 PLAN SHEET NUMBER
- STATION



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	CHK	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential; said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

I-10 ALIGNMENT

KEYMAP PLAN / PART 3

WEST LOS ANGELES TO LA UNION PASSENGER TERMINAL

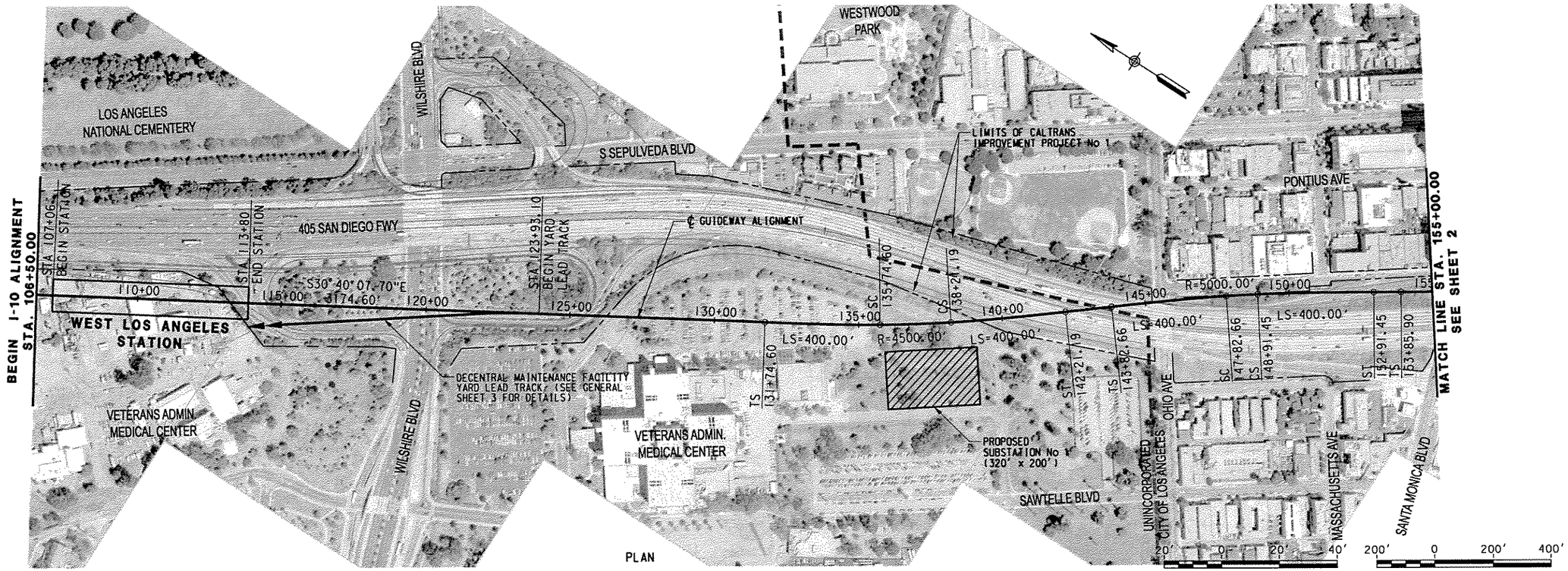
ALIGNMENT: I-10

PART: PART 3

REVISION

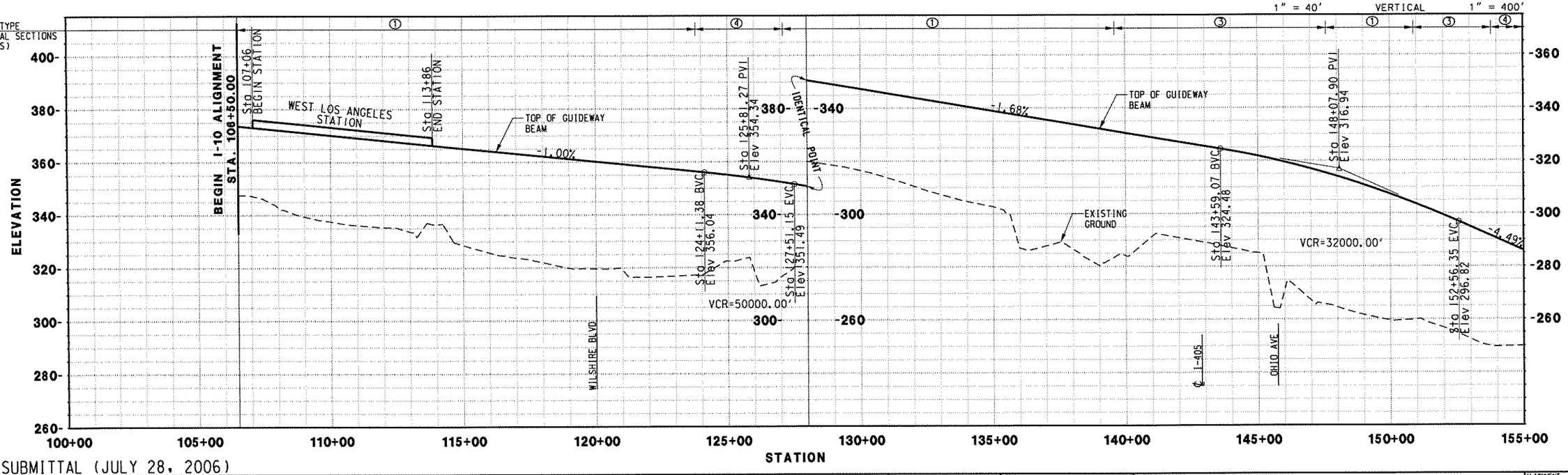
SHEET NO. 1 OF 3

SCALE:



PLAN

1" = 40' VERTICAL 1" = 400' HORIZONTAL



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WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 100+00.00 TO STA 155+00.00

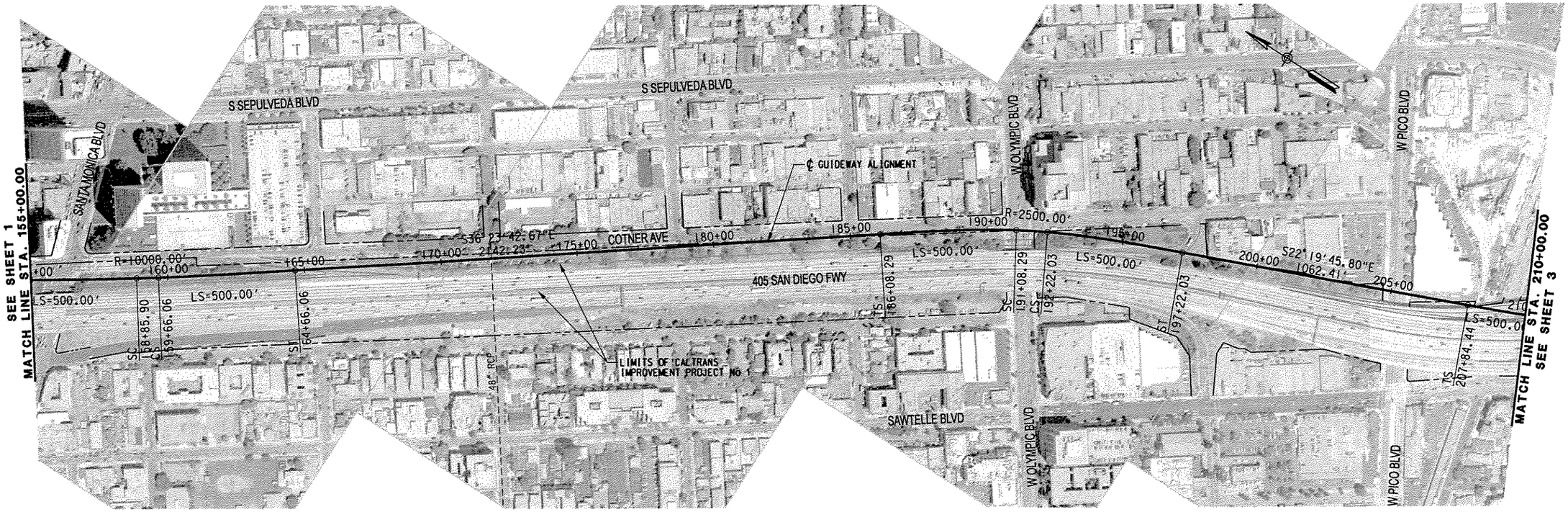
ALIGNMENT: I-10

PART: PART 3

REVISION:

SHEET NO. 1

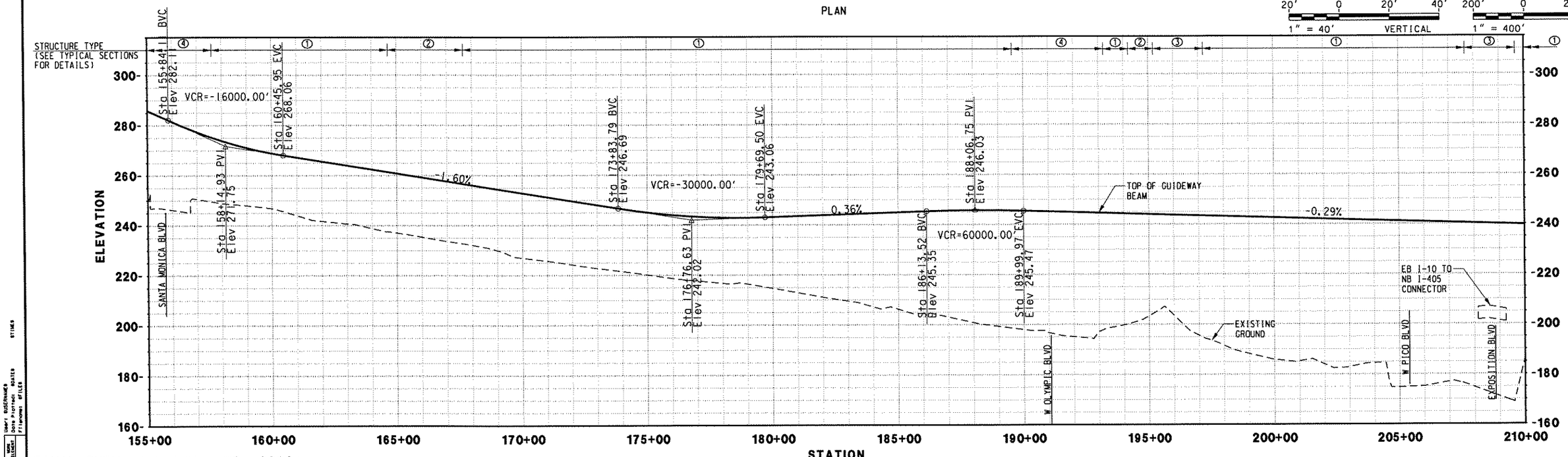
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 155+00.00 TO STA 210+00.00

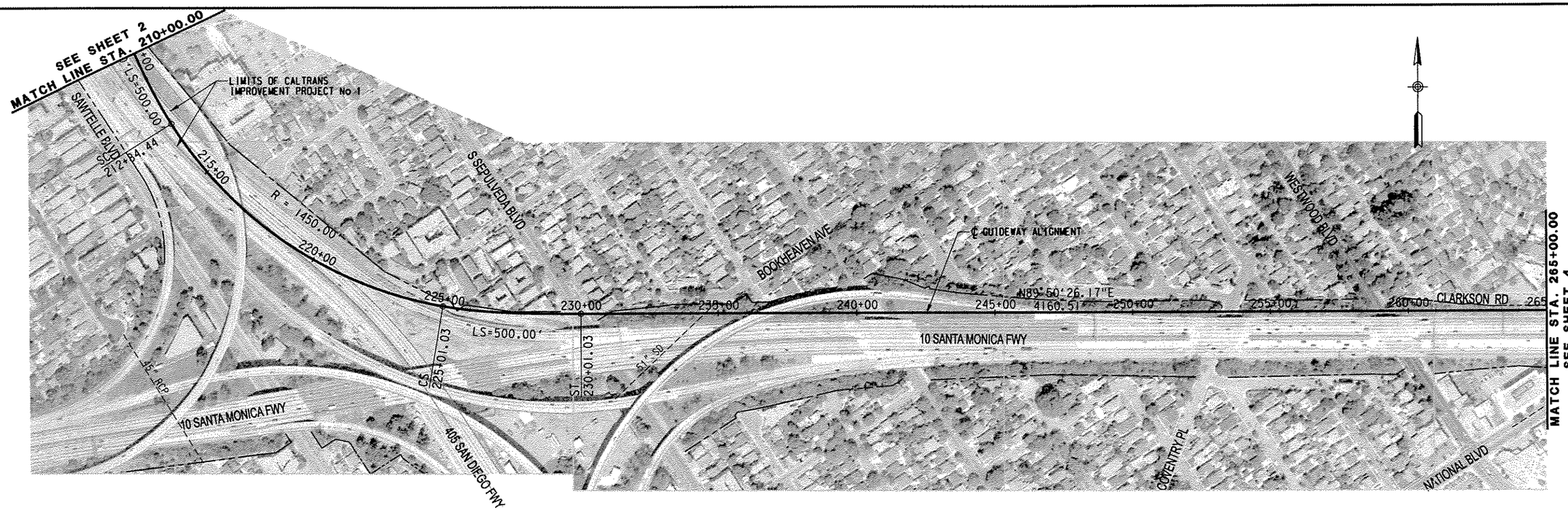
ALIGNMENT I-10

PART PART 3

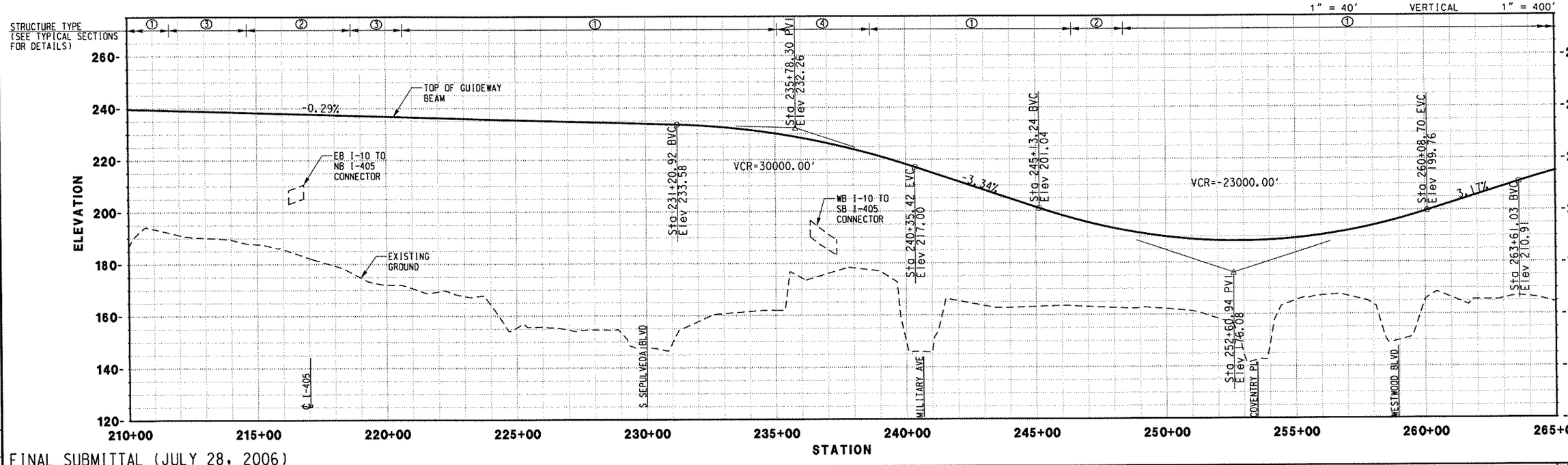
REVISION

SHEET NO. 2

SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN



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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

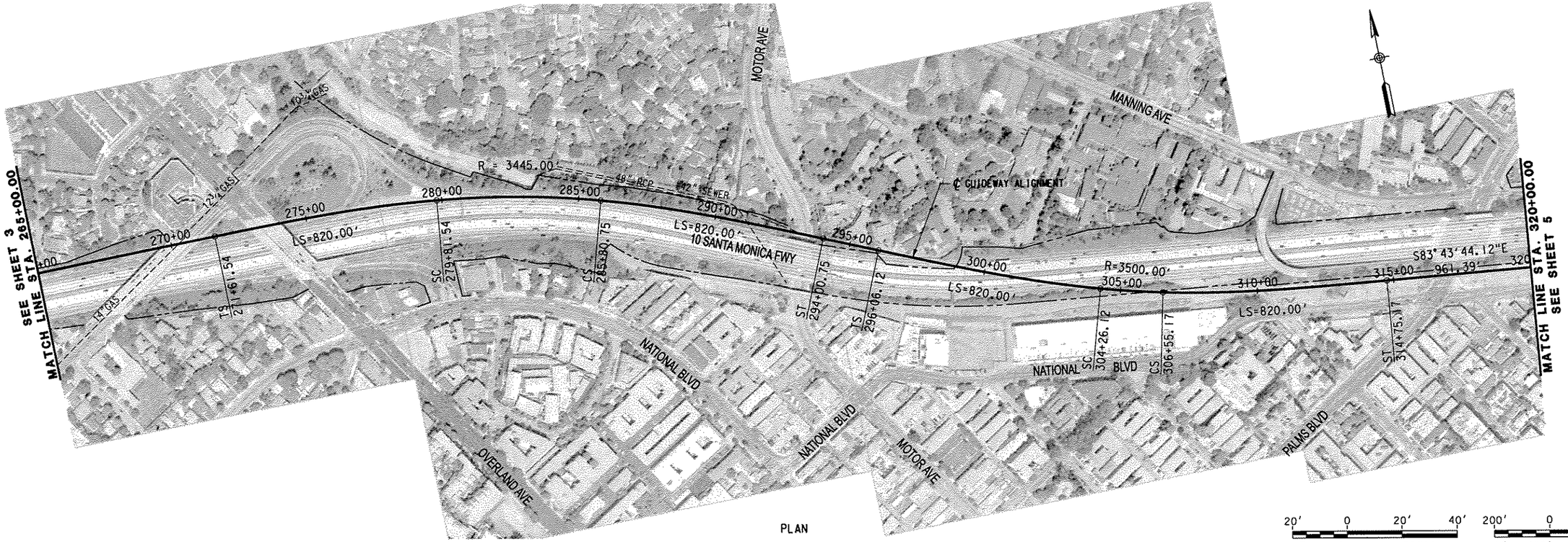
MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 210+00.00 TO STA 265+00.00

ALIGNMENT: I-10

PART: PART 3

REVISION | SHEET NO. 3

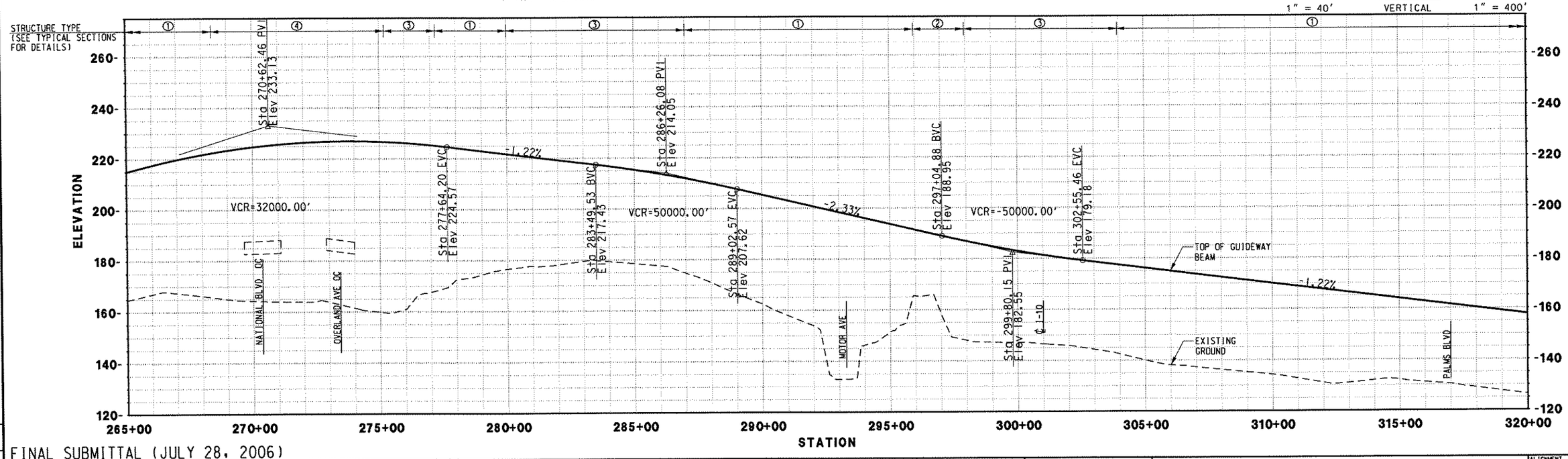
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 265+00.00 TO STA 320+00.00

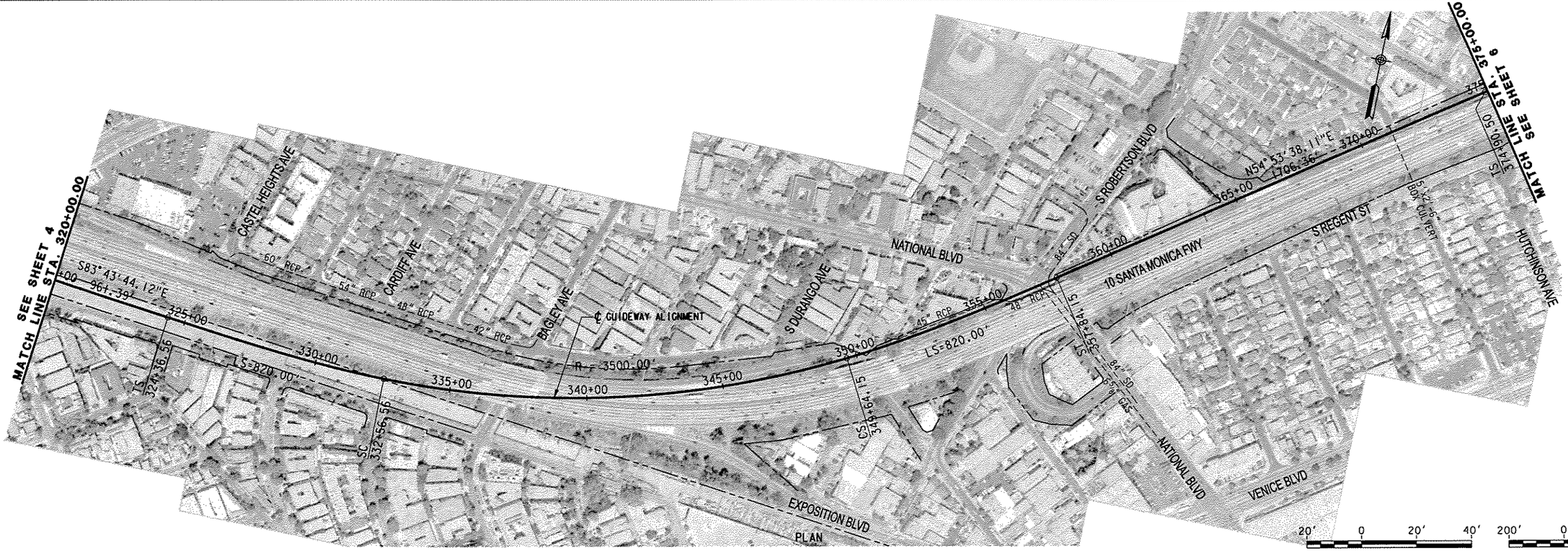
ALIGNMENT I-10

PART PART 3

REVISION

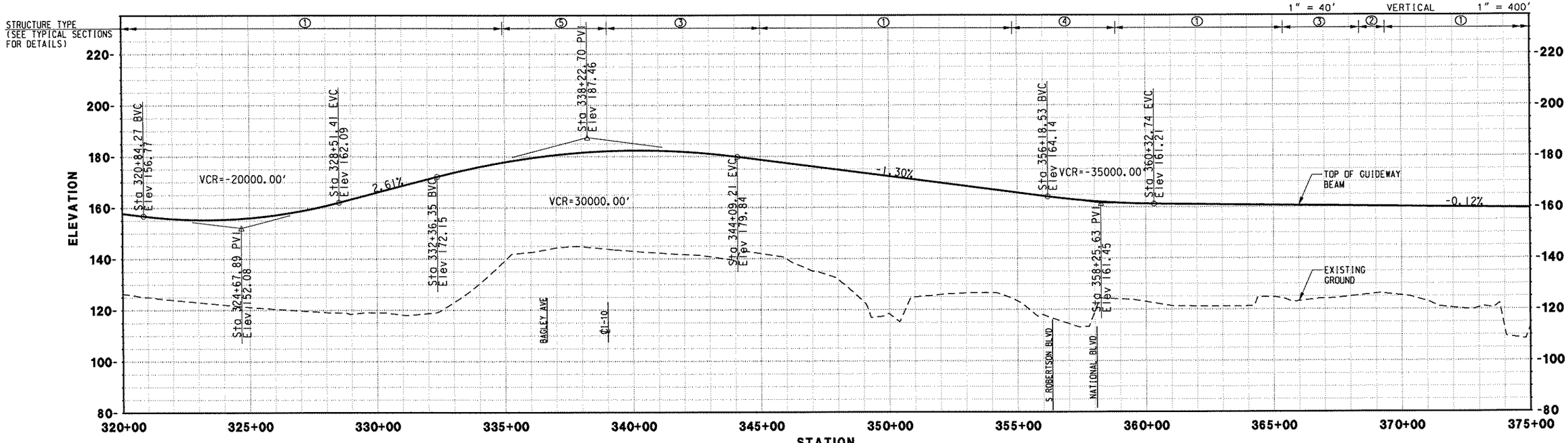
SHEET NO. 4

SCALE: HOR: 1" = 400' VER: 1" = 40'



20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 320+00.00 TO STA 375+00.00

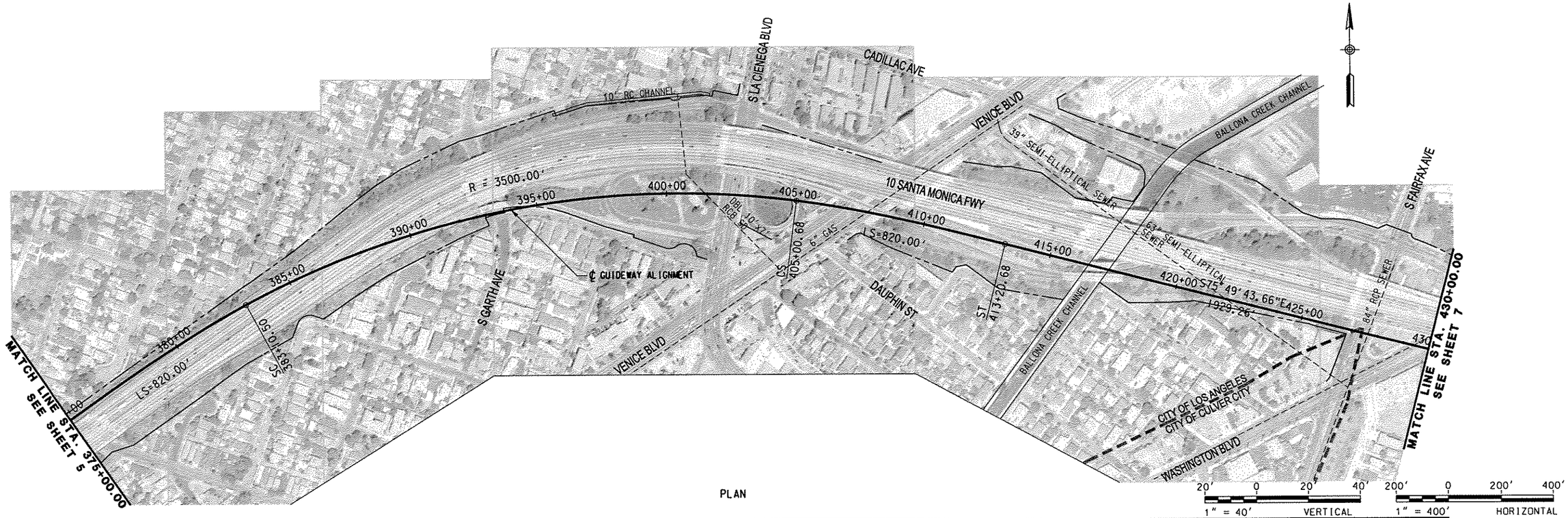
ALIGNMENT I-10

PART PART 3

REVISION

SHEET NO. 5

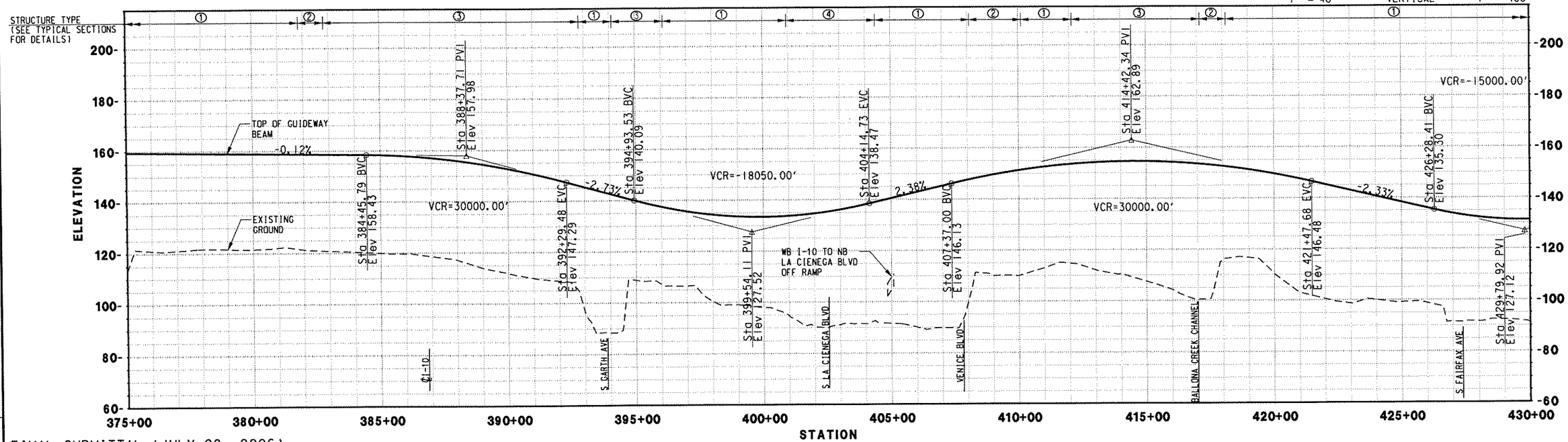
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

1" = 40' VERTICAL 20' 0 20' 40'

1" = 400' HORIZONTAL 200' 0 200' 400'



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY / SUB.	APP.

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DESIGNED BY	MC
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CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 375+00.00 TO STA 430+00.00

ALIGNMENT: I-10

PART: PART 3

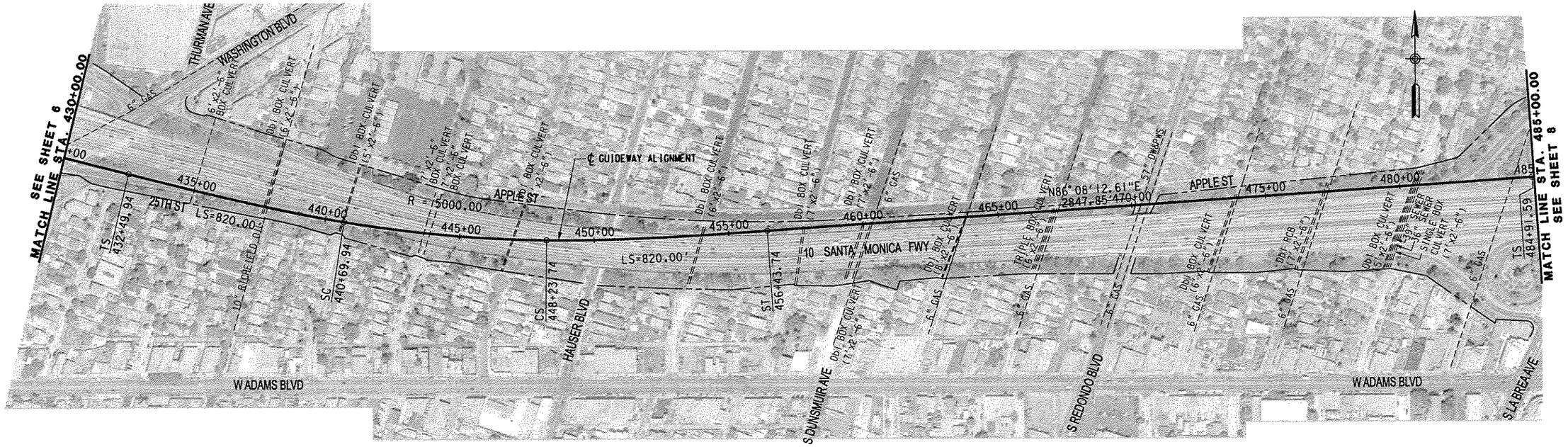
REVISION

SHEET NO. 6

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: ROSENBAUER Date Plotted: 8/14/06 Filename: MILES

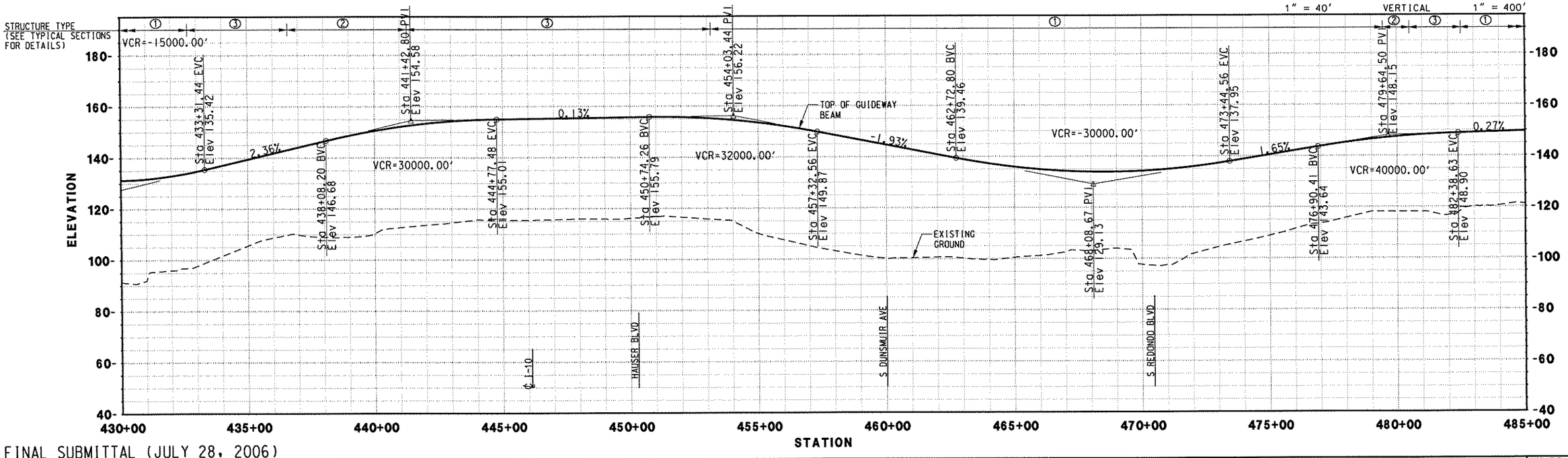
PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | NON-ALIGNED | STINES



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 430+00.00 TO STA 485+00.00

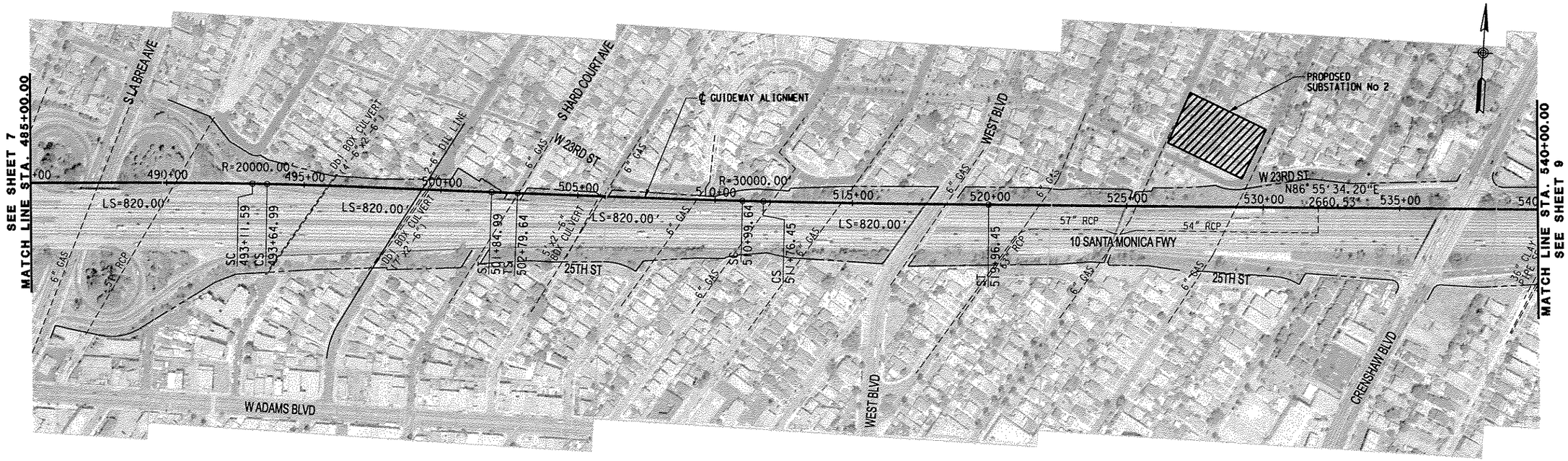
ALIGNMENT: I-10

PART: PART 3

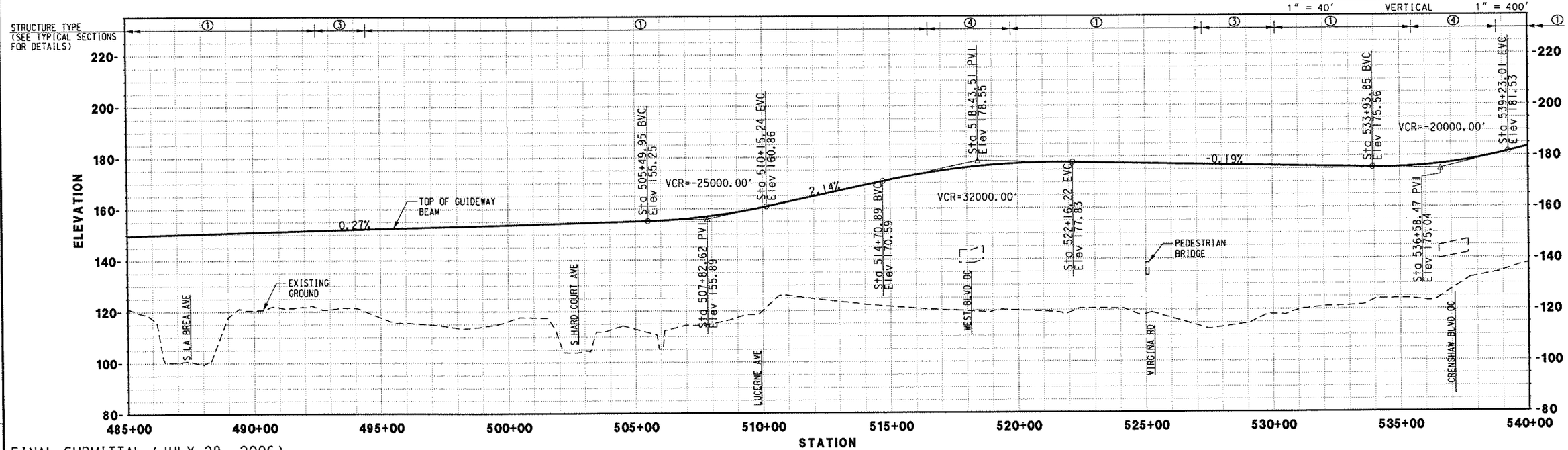
REVISION

SHEET NO. 7

SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN



FINAL SUBMITTAL (JULY 28, 2006)

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 485+00.00 TO STA 540+00.00

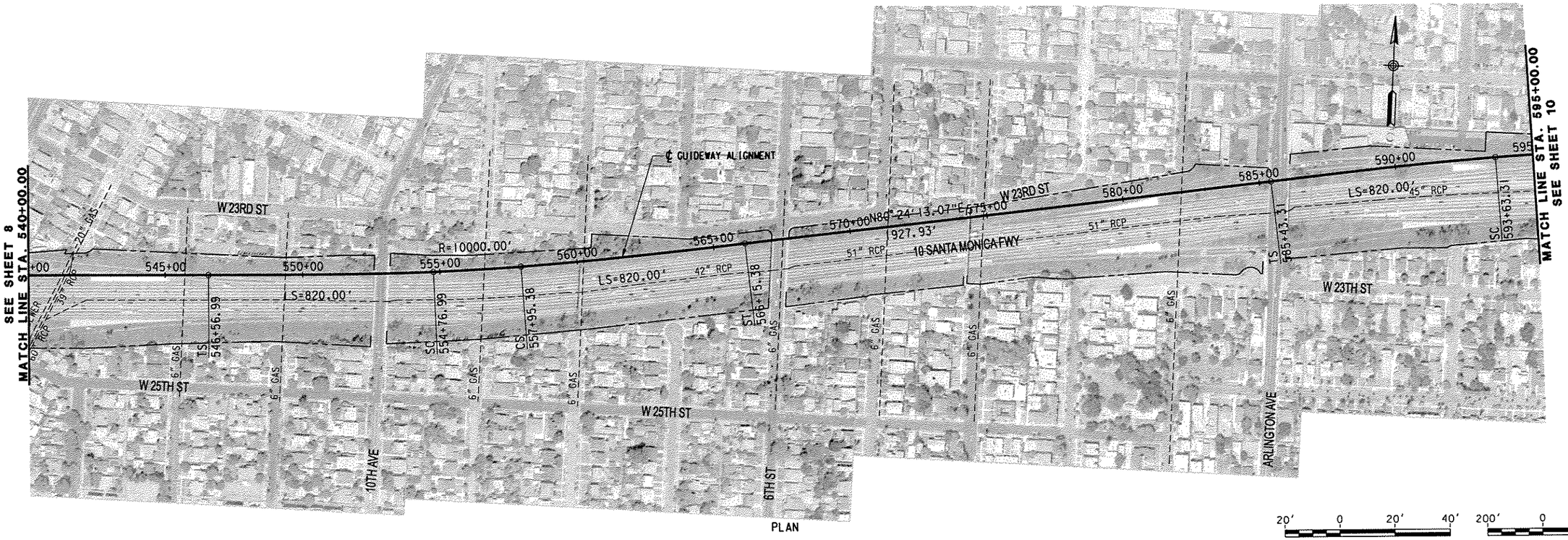
ALIGNMENT: I-10

PART: PART 3

REVISION

SHEET NO. 8

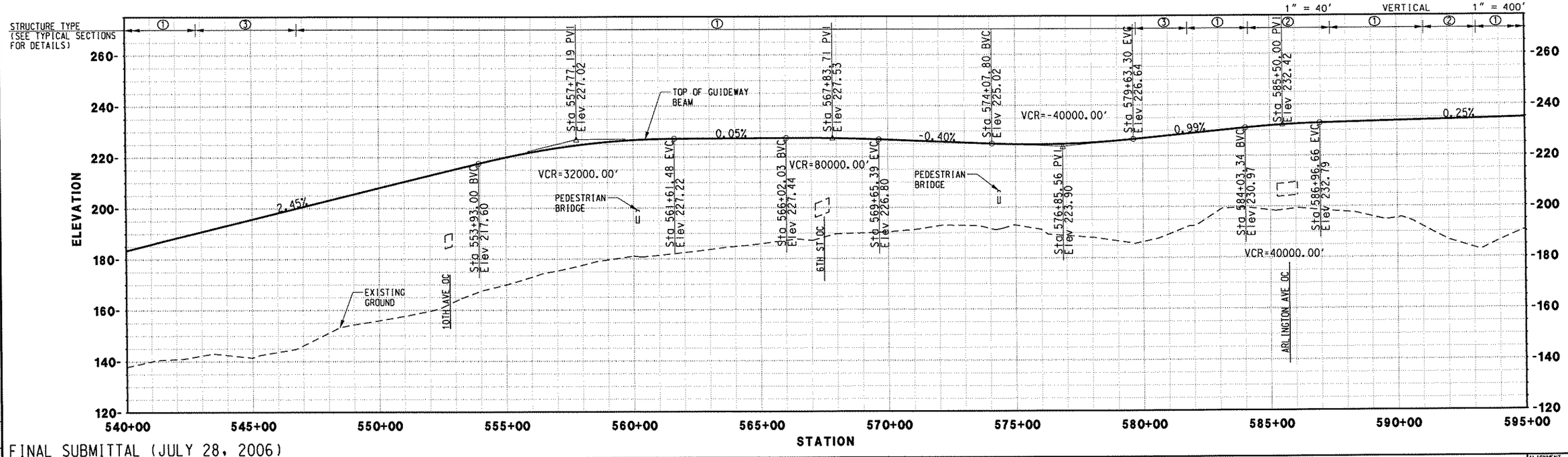
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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CHECKED BY	DCH
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DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 540+00.00 TO STA 595+00.00

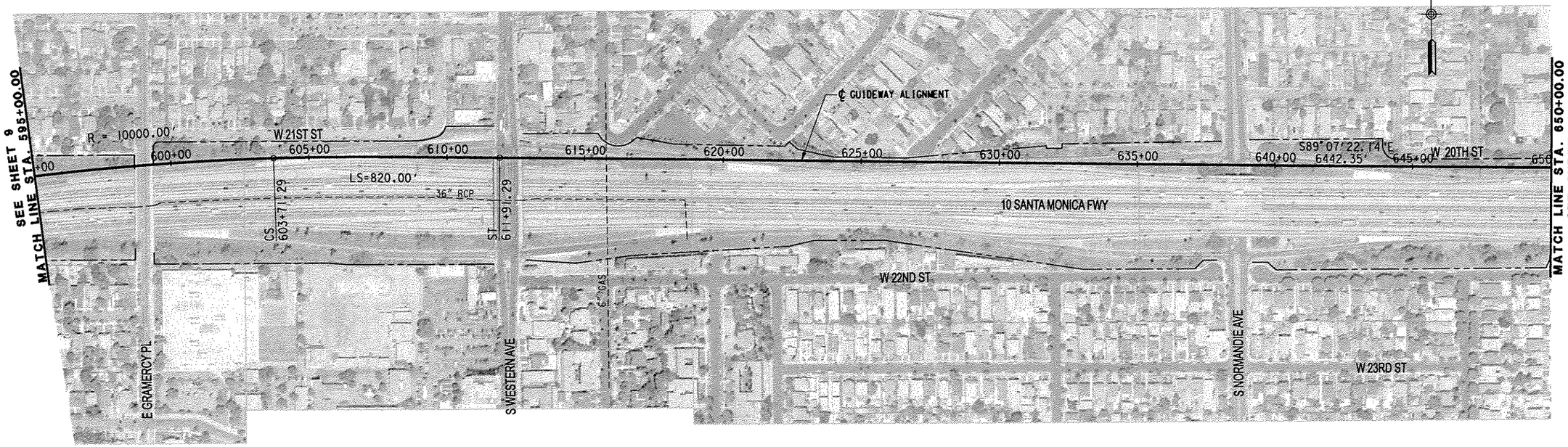
ALIGNMENT I-10

PART PART 3

REVISION

SHEET NO. 9

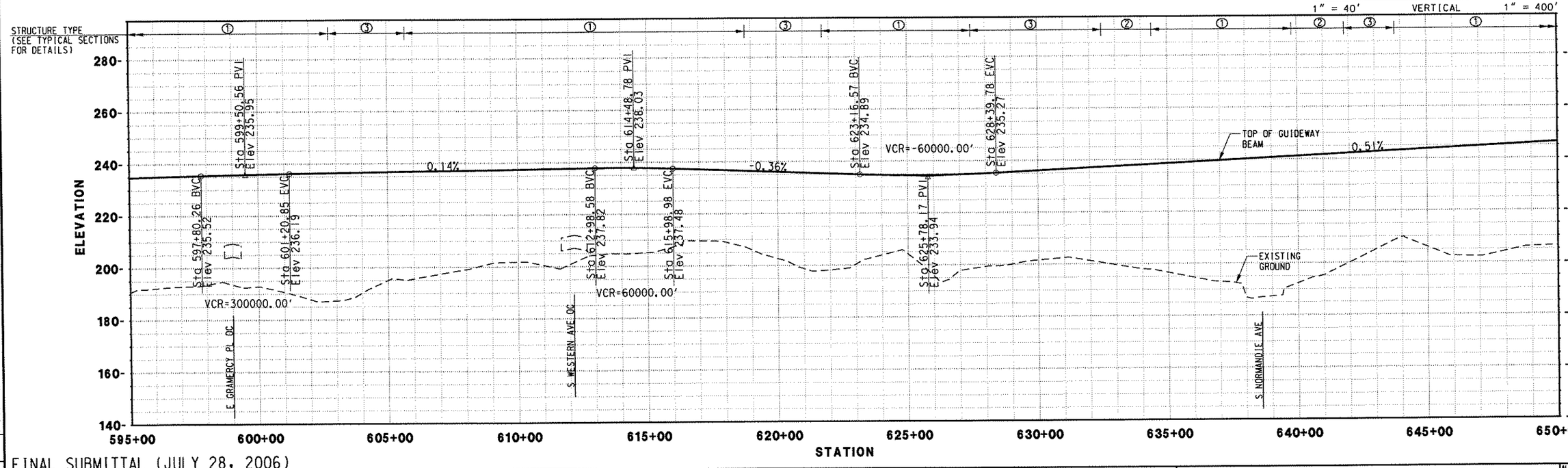
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

1" = 40' VERTICAL (20' 0 20' 40')

1" = 400' HORIZONTAL (200' 0 200' 400')



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
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DATE	07/28/06

IBI GROUP

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 595+00.00 TO STA 650+00.00

ALIGNMENT: I-10

PART: PART 3

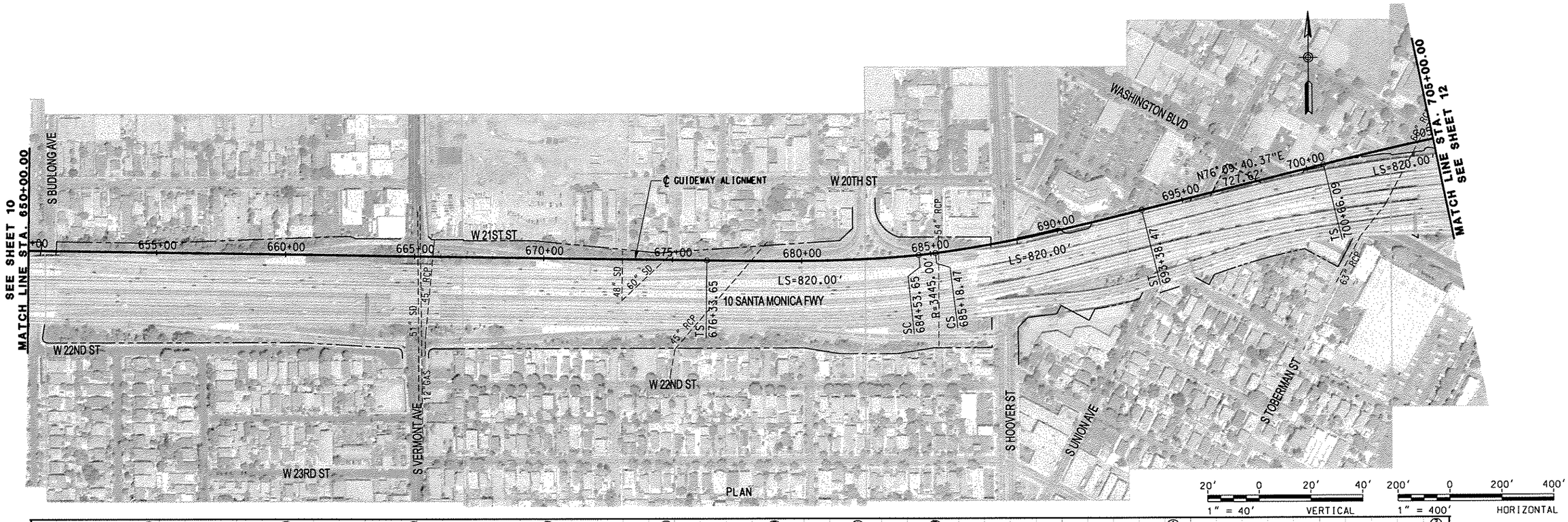
REVISION

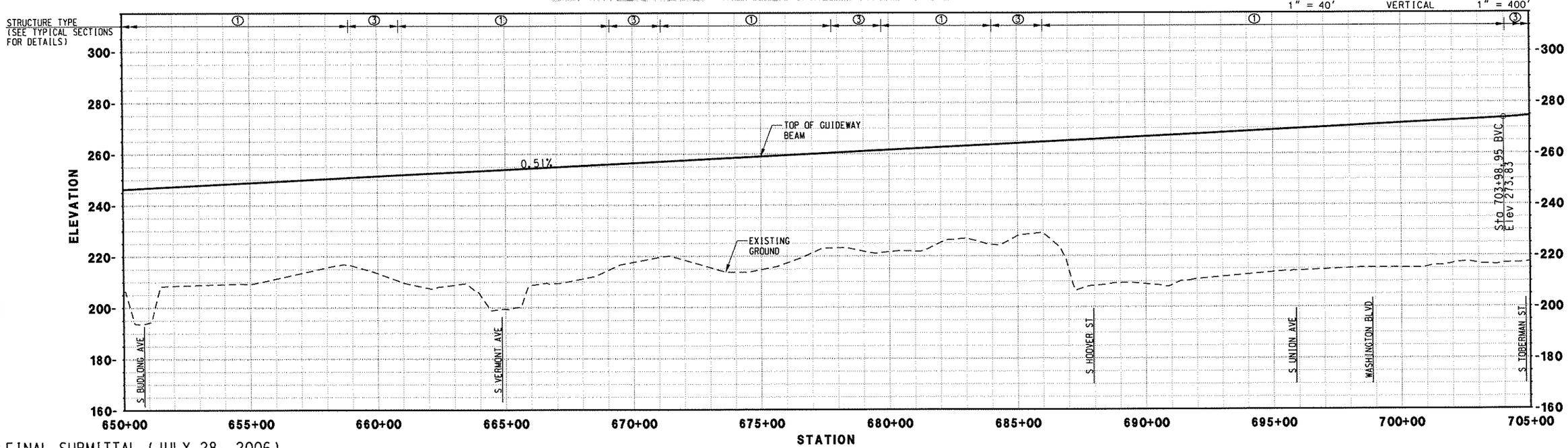
SHEET NO. 10

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: NUSERNAME
Date Plotted: DATE8
Filename: RFILE8

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATOR | PHYSICAL SUFFIX | WORK ELEMENT





FINAL SUBMITTAL (JULY 28, 2006)

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IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 650+00.00 TO STA 705+00.00

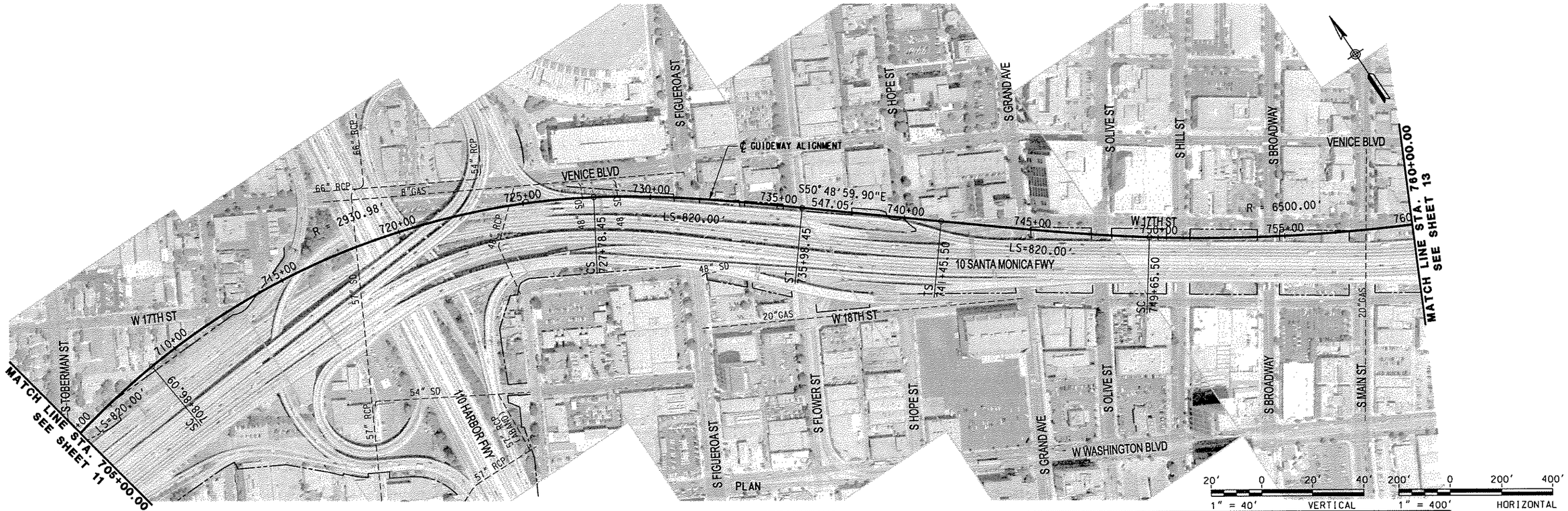
ALIGNMENT: I-10

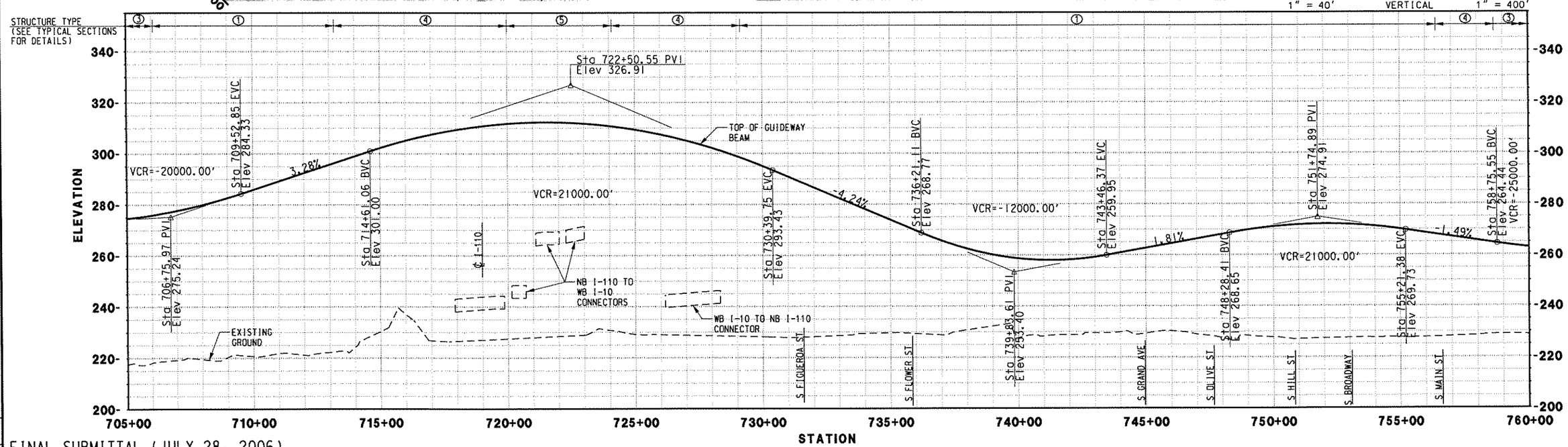
PART: PART 3

REVISION

SHEET NO. 11

SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 705+00.00 TO STA 760+00.00

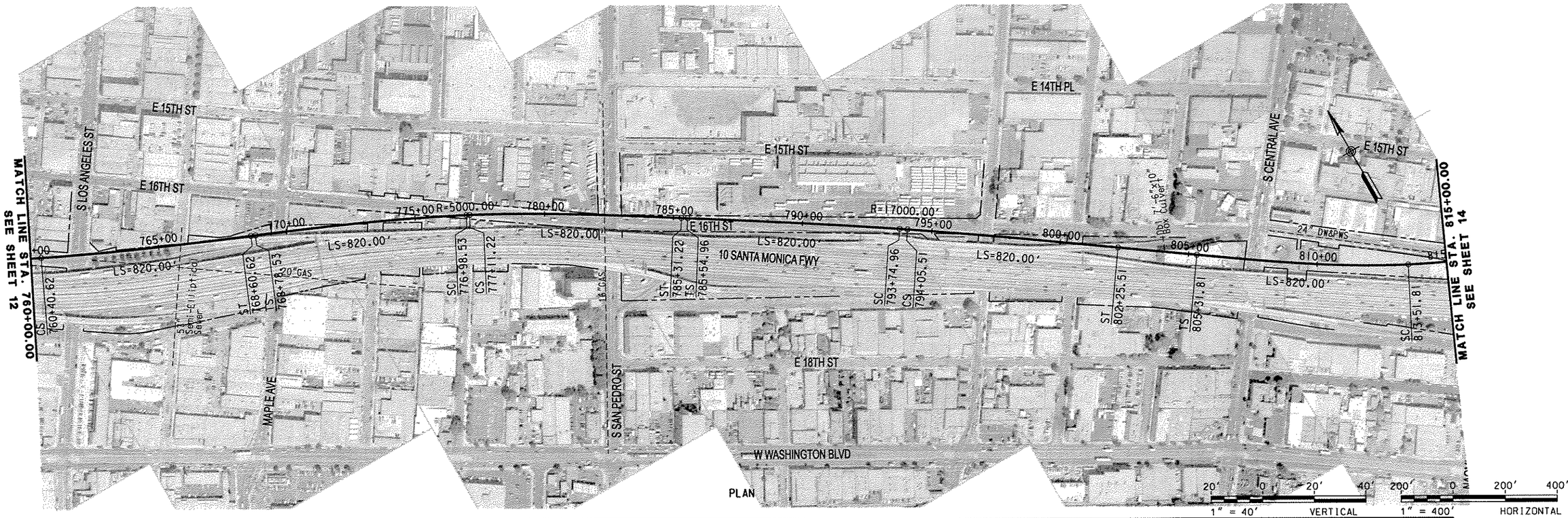
ALIGNMENT: I-10

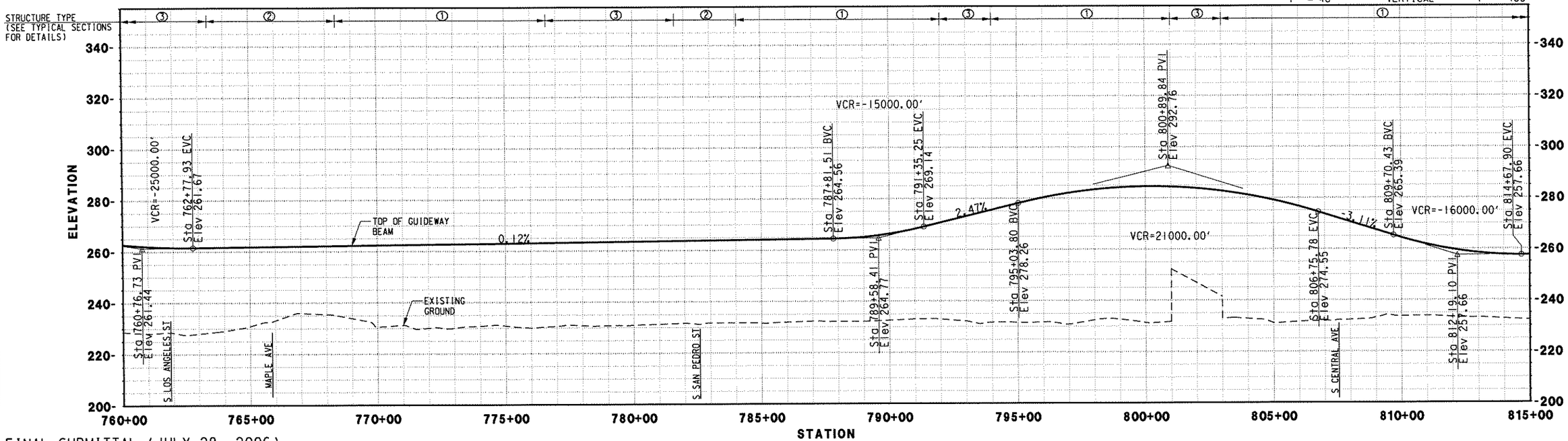
PART: PART 3

REVISION:

SHEET NO. 12

SCALE: HOR: 1" = 400' VER: 1" = 40'





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WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 760+00.00 TO STA 815+00.00

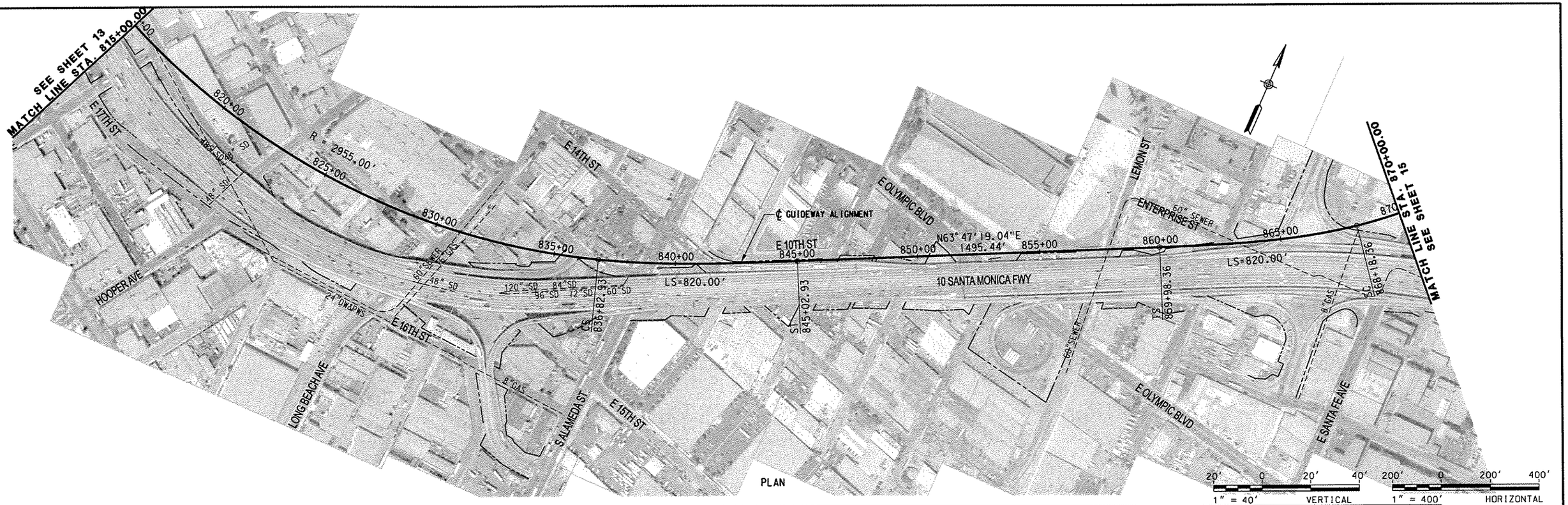
ALIGNMENT: I-10

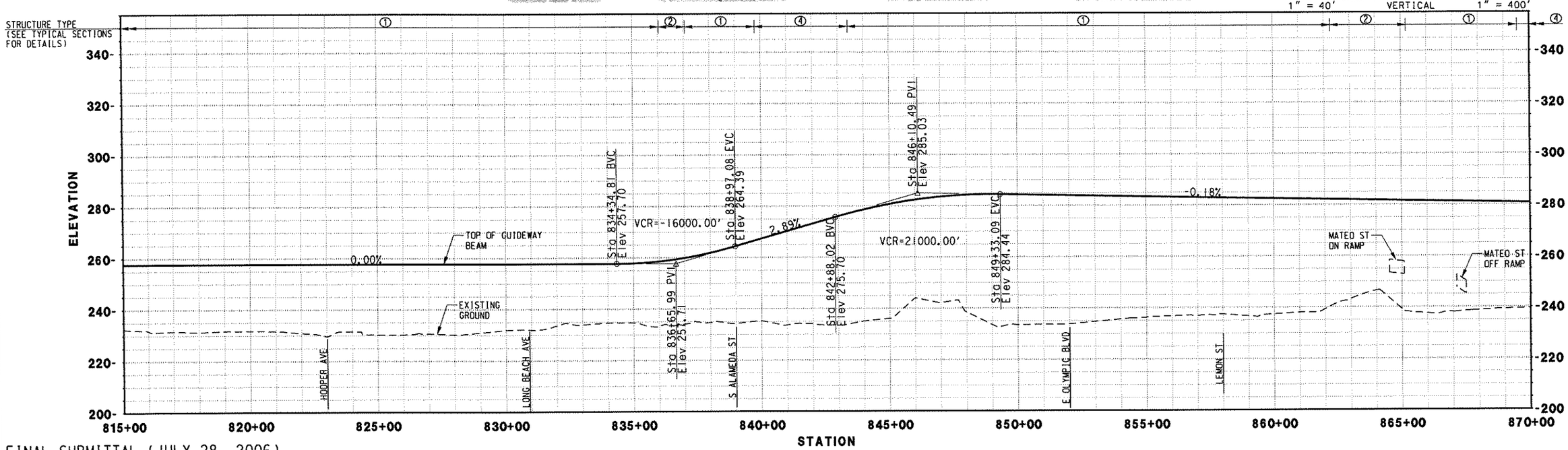
PART: PART 3

REVISION

SHEET NO. 13

SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 815+00.00 TO STA 870+00.00

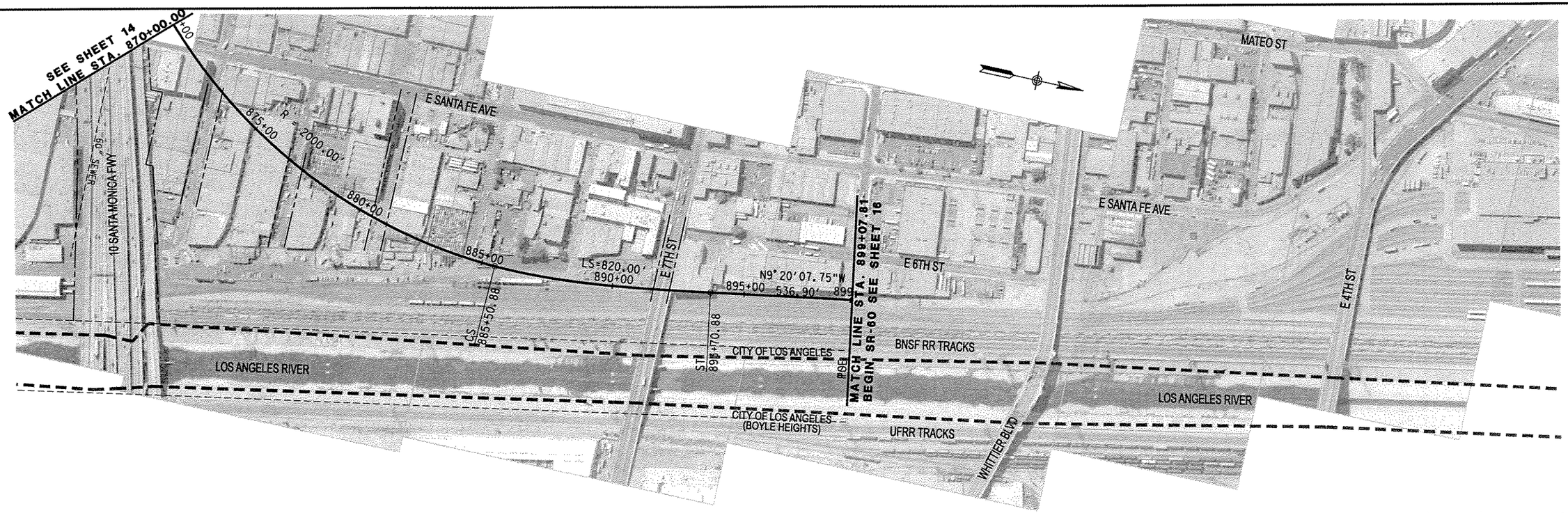
ALIGNMENT: I-10

PART: PART 3

REVISION

SHEET NO. 14

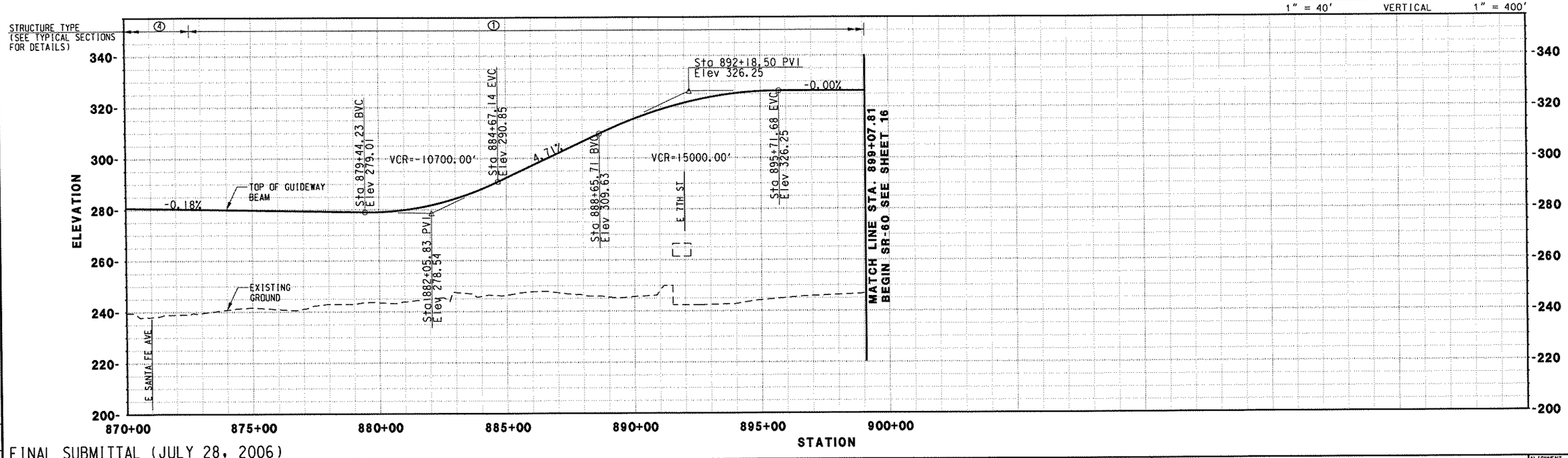
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

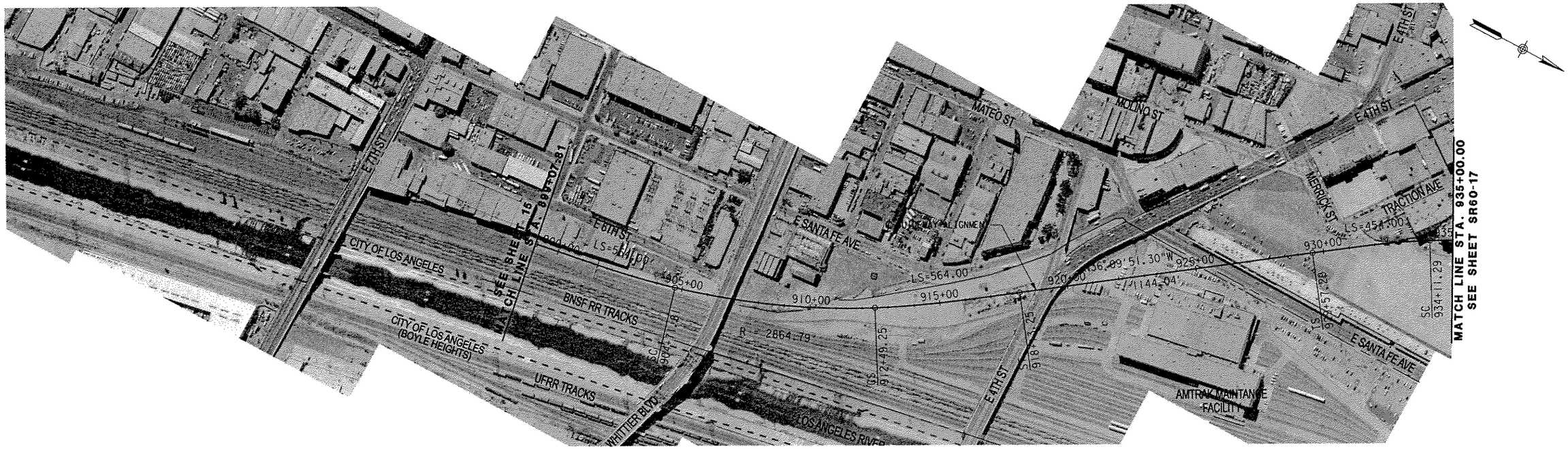
MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 870+00.00 TO STA 899+07.81
BEGIN SR-60

ALIGNMENT I-10

PART PART 3

REVISION | SHEET NO. 15

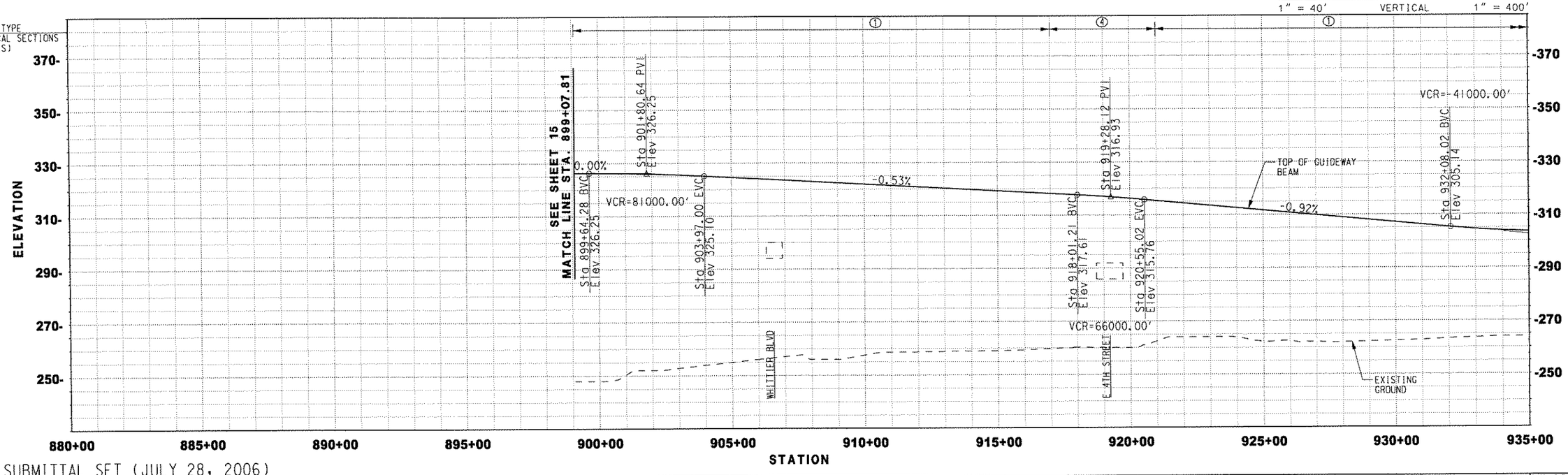
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 899+07.81 TO STA 935+00.00

ALIGNMENT I-10

PART PART 3

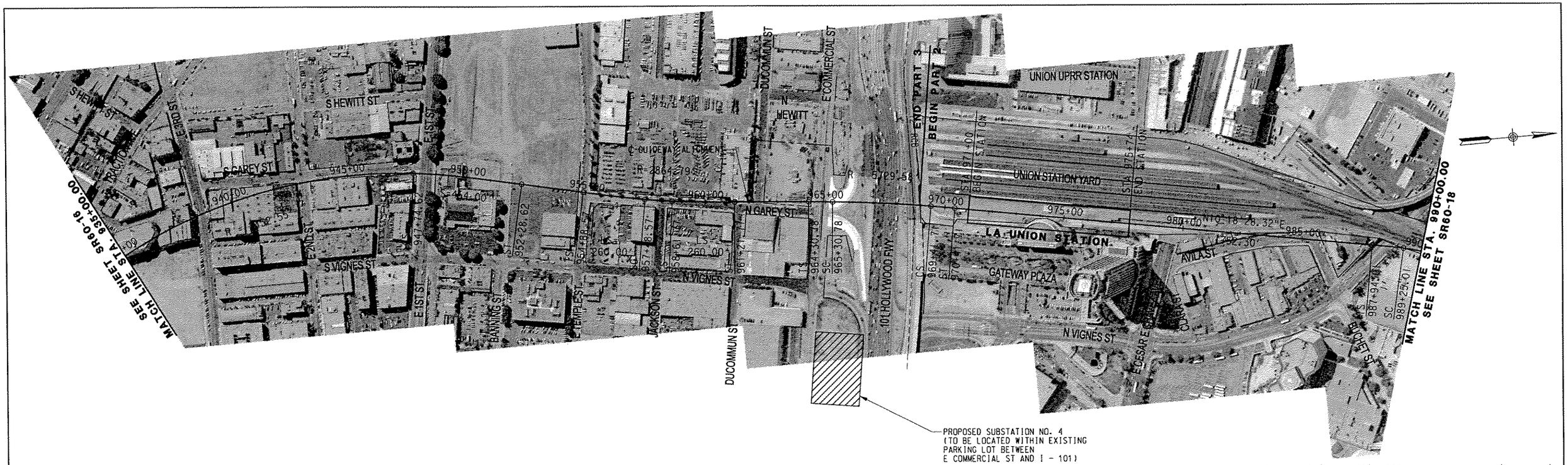
REVISION

SHEET NO. 16

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: RUSERNAME
Date Plotted: 7/31/2006 3:00:35 PM
Filename: j:\elpro\projects\b\lewis-ant_pm2\dgns\gs\SR-60_16.ant

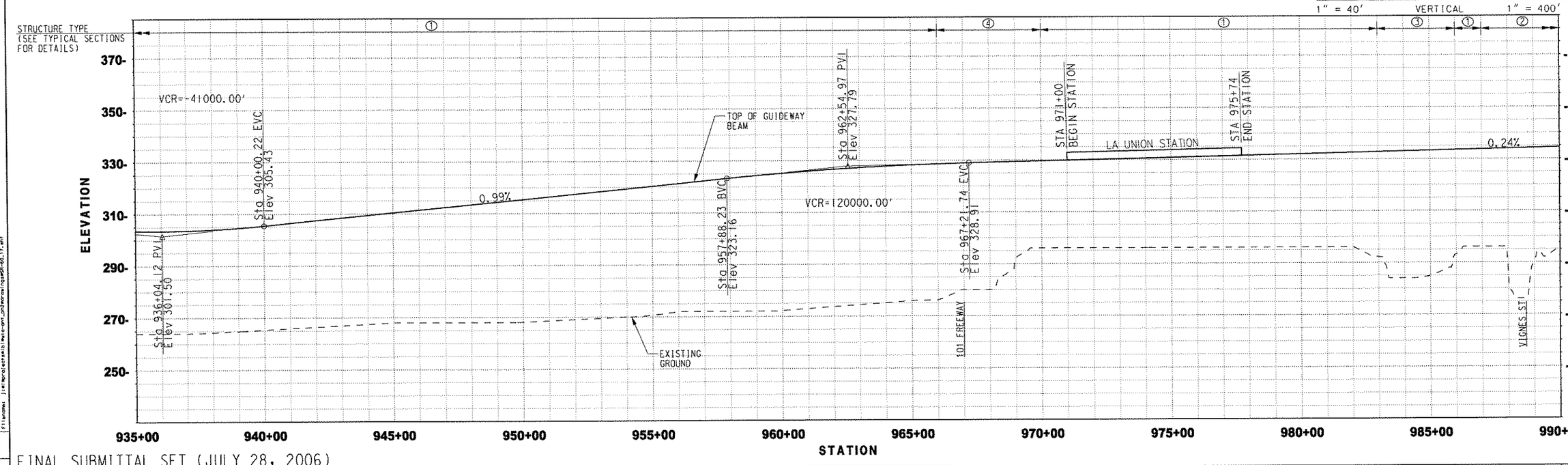
PROJECT | COST | LINE | CONTRACT | PHYSICAL | WORK
NUMBER | ELEMENT | ITEM | DESIGNATION | POSITION | ELEMENT



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC1.2

FRA Grant Agreement NO. DTFRDV-04-H-60050

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 935+00.00 TO STA 990+00.00

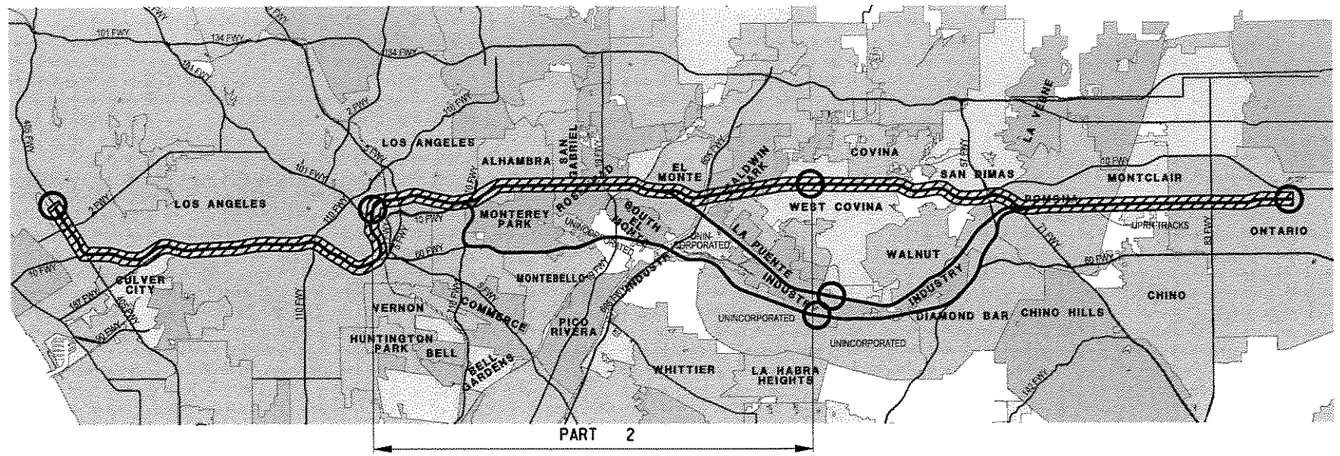
ALIGNMENT I-10

PART PART 3

REVISION

SHEET NO. 17

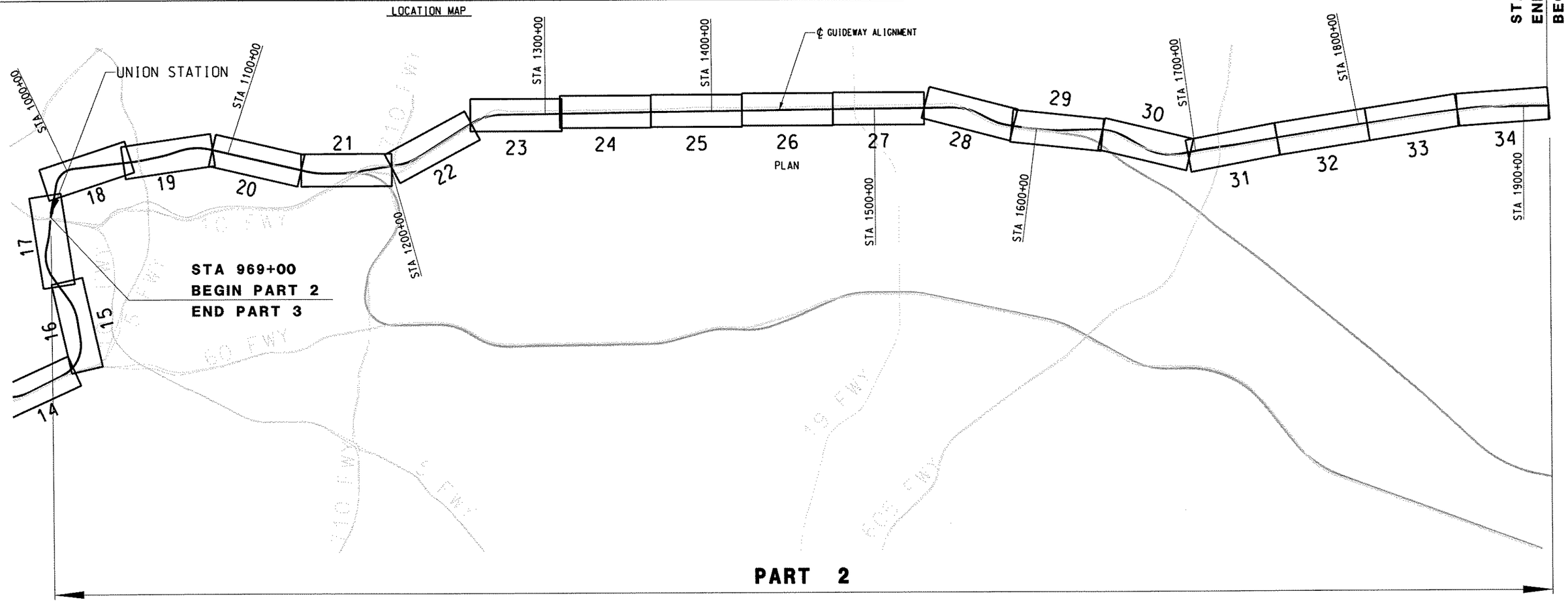
SCALE: HOR: 1" = 400' VER: 1" = 40'



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- PLAN SHEET LIMITS
- 3 PLAN SHEET NUMBER
- STATION



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
I-10 ALIGNMENT
KEYMAP PLAN / PART 2

LA UNION PASSENGER TERMINAL TO SAN GABRIEL VALLEY

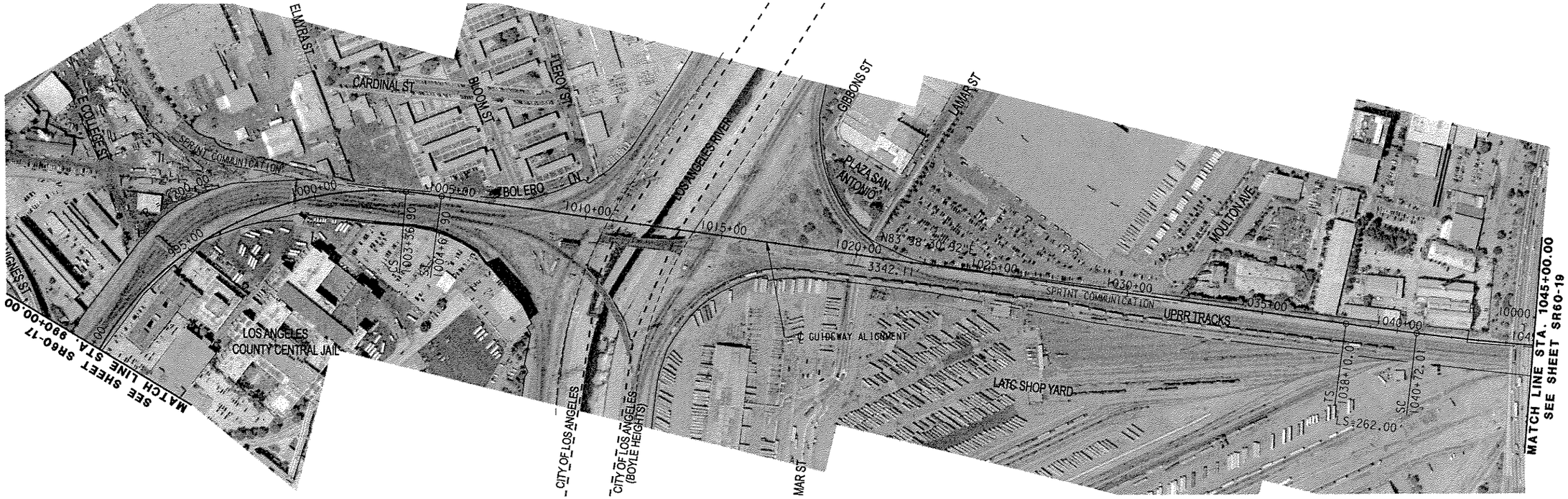
ALIGNMENT: I-10

PART: PART 2

REVISION

SHEET NO. 2 OF 3

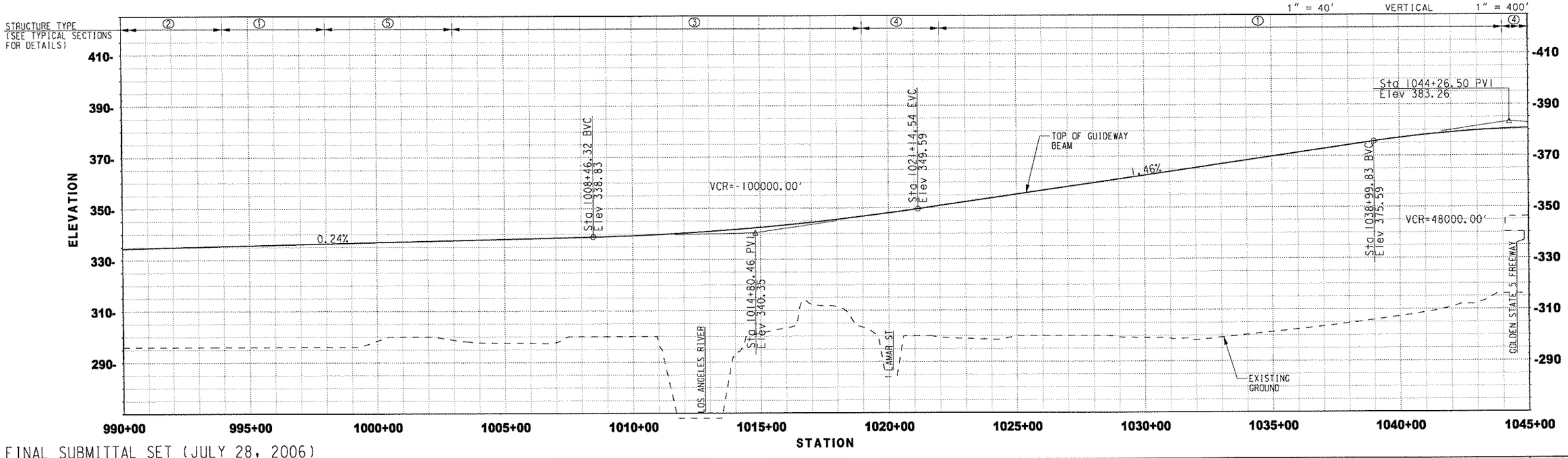
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 990+00.00 TO STA 1045+00.00

ALIGNMENT I-10

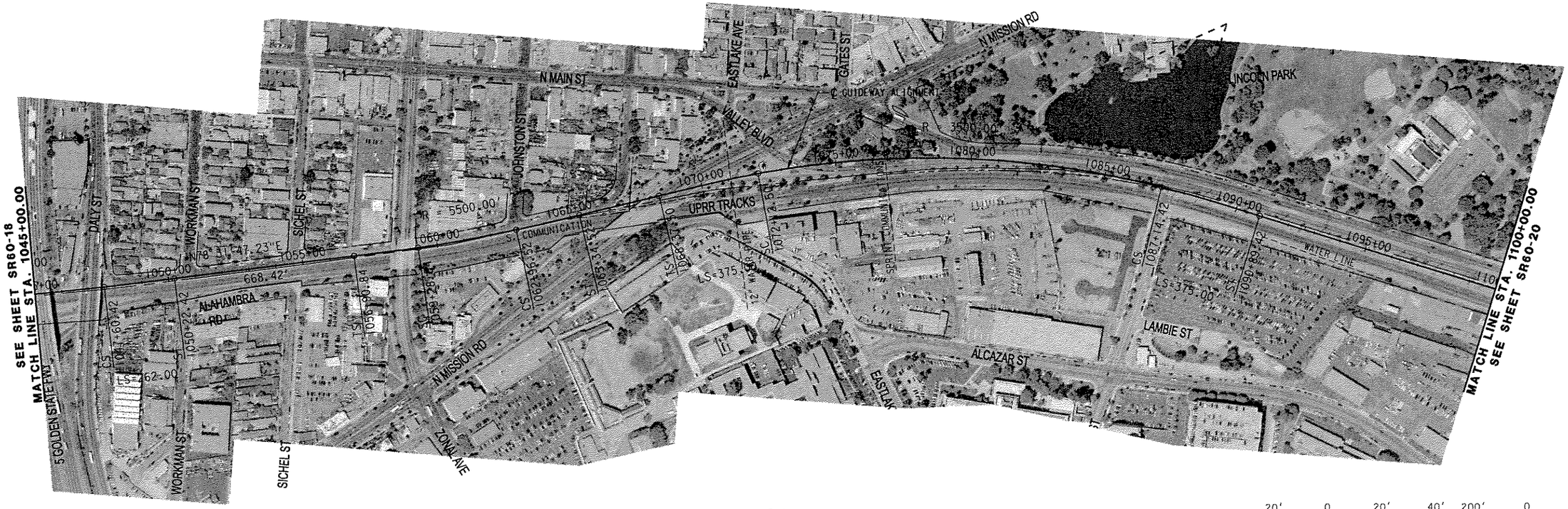
PART PART 2

REVISION | SHEET NO. 18

SCALE: HOR: 1" = 400' VER: 1" = 40'

User: BUSERNAME Date Plotted: 7/31/2006 3:01:06 PM Filename: J:\mtmprojects\ab\wbs-cont_no\240\gsr\sgsr60-18.dgn

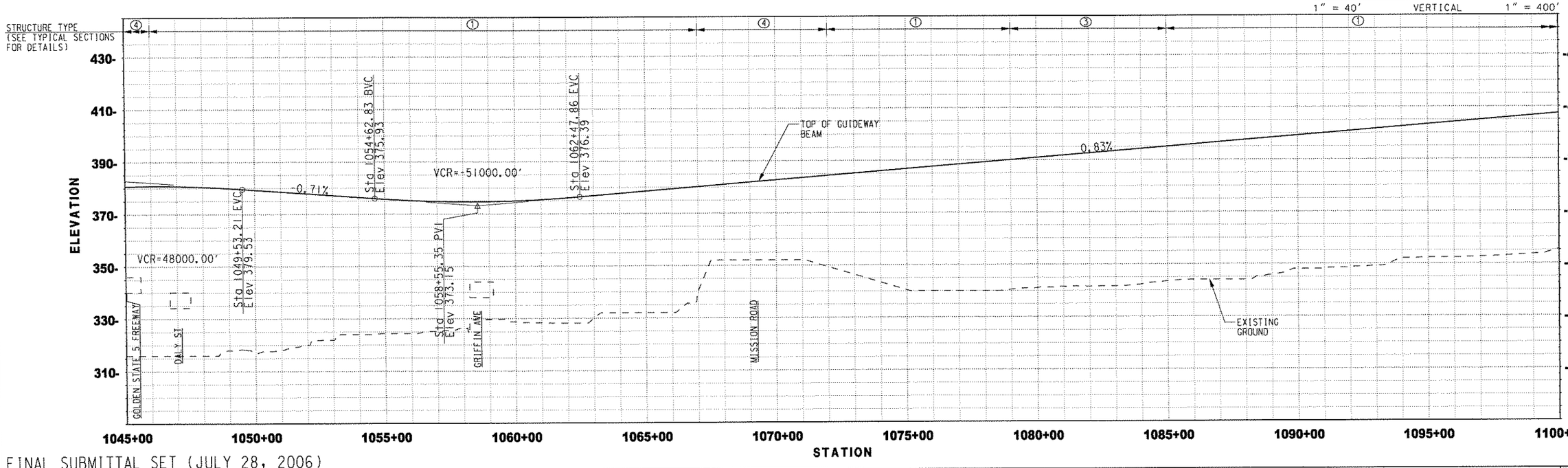
PROJECT | CONT NUMBER | ELEMENT | LINE | CONTRACT NUMBER | PHYSICAL STATION | WORK ELEMENT



PLAN

20' 0 20' 40' — 1" = 40' VERTICAL

200' 0 200' 400' — 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

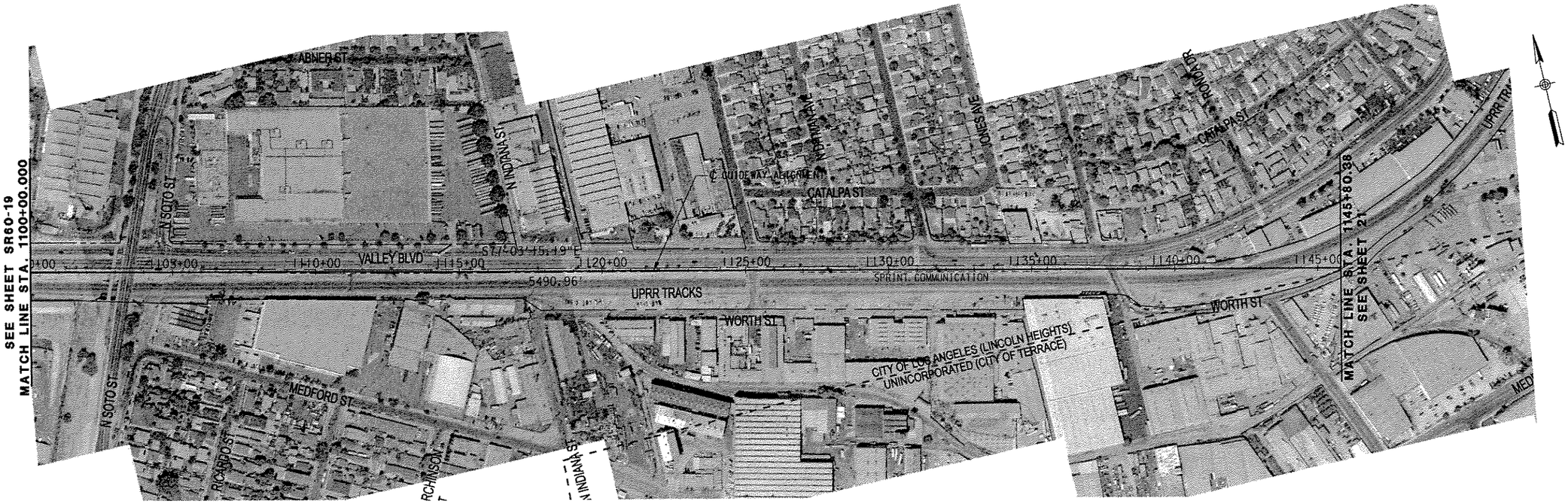
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1045+00.00 TO STA 1100+00.00

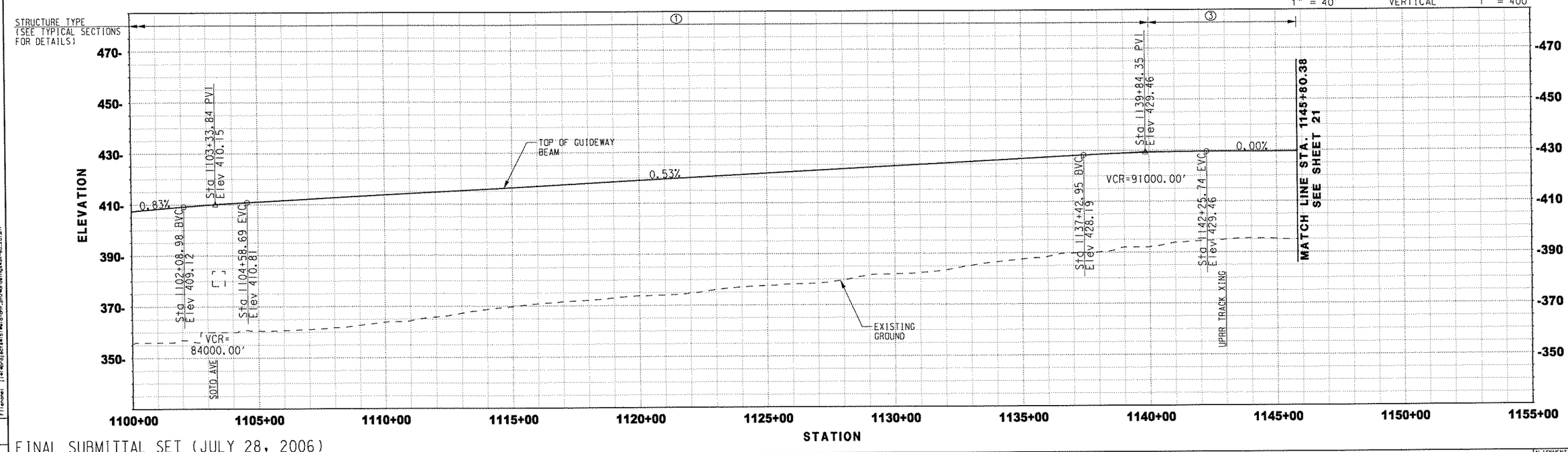
ALIGNMENT: I-10
PART: PART 2
REVISION
SHEET NO. 19
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1100+00.00 TO STA 1145+67.08

ALIGNMENT I-10

PART PART 2

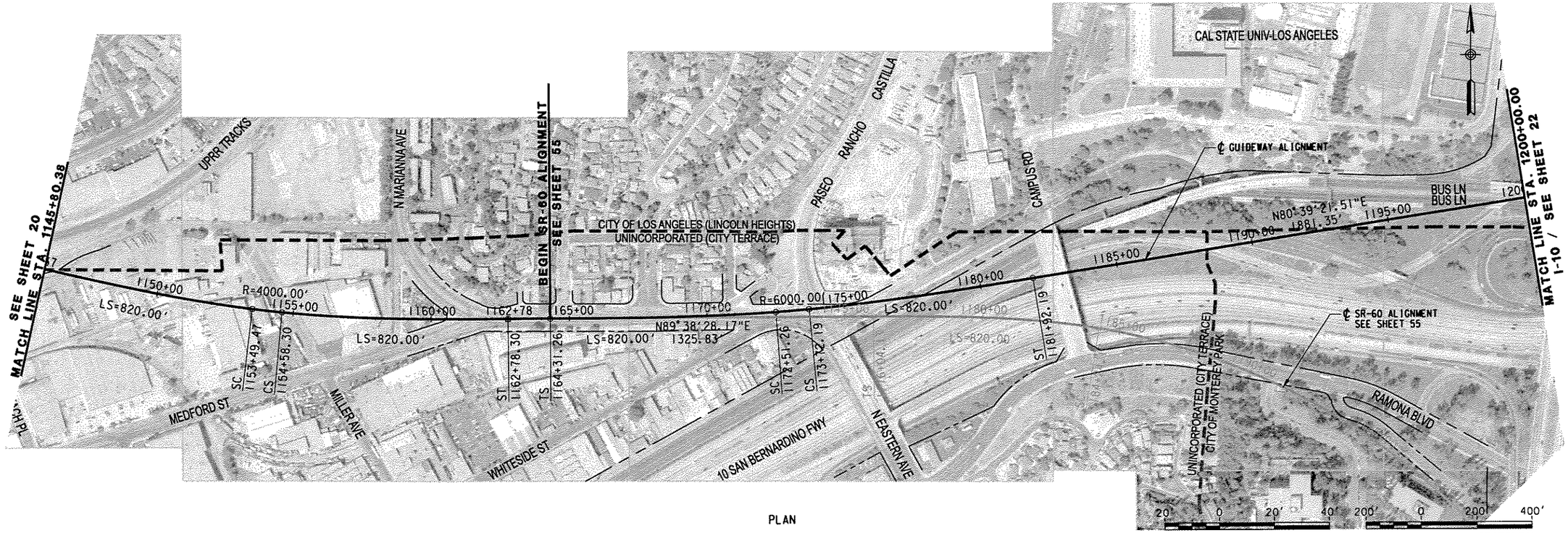
REVISION

SHEET NO. 20

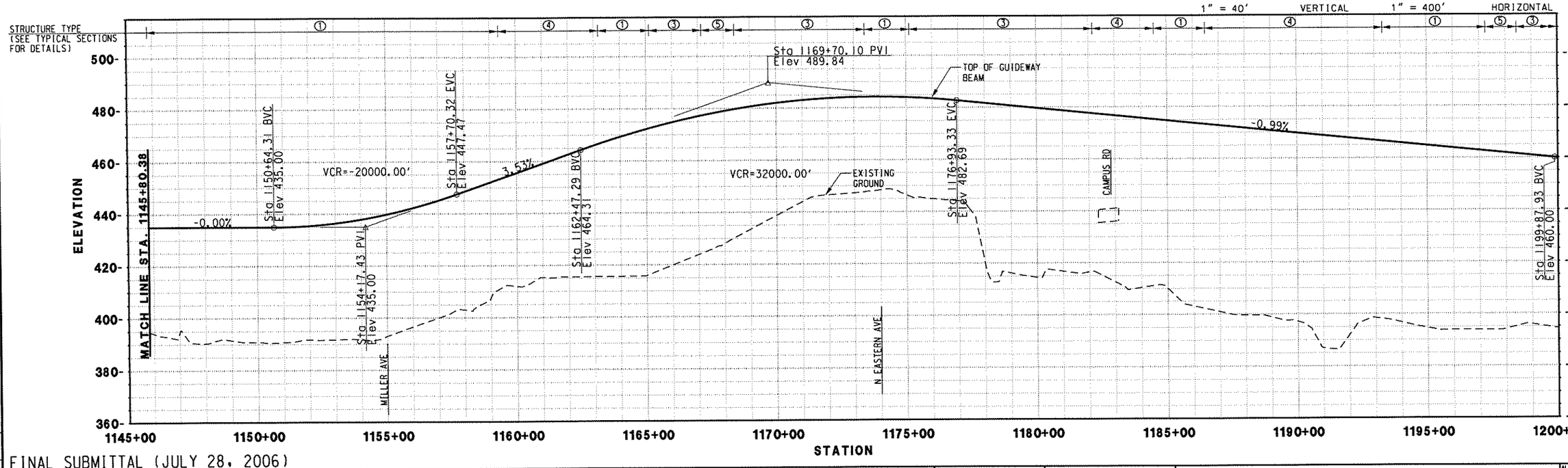
SCALE: HOR: 1" = 400' VER: 1" = 40'

User: RUSERNAME1
Date: Plotted: 7/31/2006 3:01:36 PM
Filename: j:\alameda\potsdb\wis-ort_ph2\drawings\SR-60_20.dgn

PROJECT NUMBER | COST ESTIMATE | LINE DISTRIBUTION | CONTRACT DISTRIBUTION | PHOTOGRAPHIC DATA | CONS. ESTIMATE



PLAN



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1145+80.38 TO STA 1200+00.00

ALIGNMENT: I-10

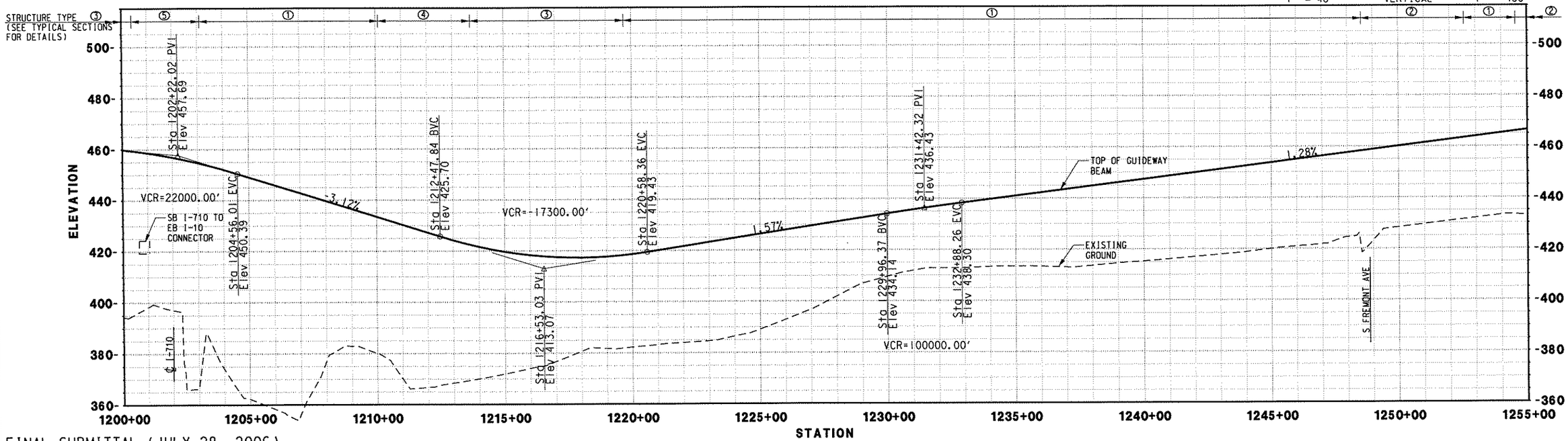
PART: PART 2

REVISION

SHEET NO. 21

SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1. REDUCE WIDTH OF W RAMONA RD BY 8' FROM STA 1220+00 TO STA 1247+00 TO ACCOMMODATE GUIDEWAY COLUMNS. REMAINING WIDTH OF 20' TO BE OPEN TO ONE WAY TRAFFIC ONLY.



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WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 1200+00.00 TO STA 1255+00.00

ALIGNMENT: I-10

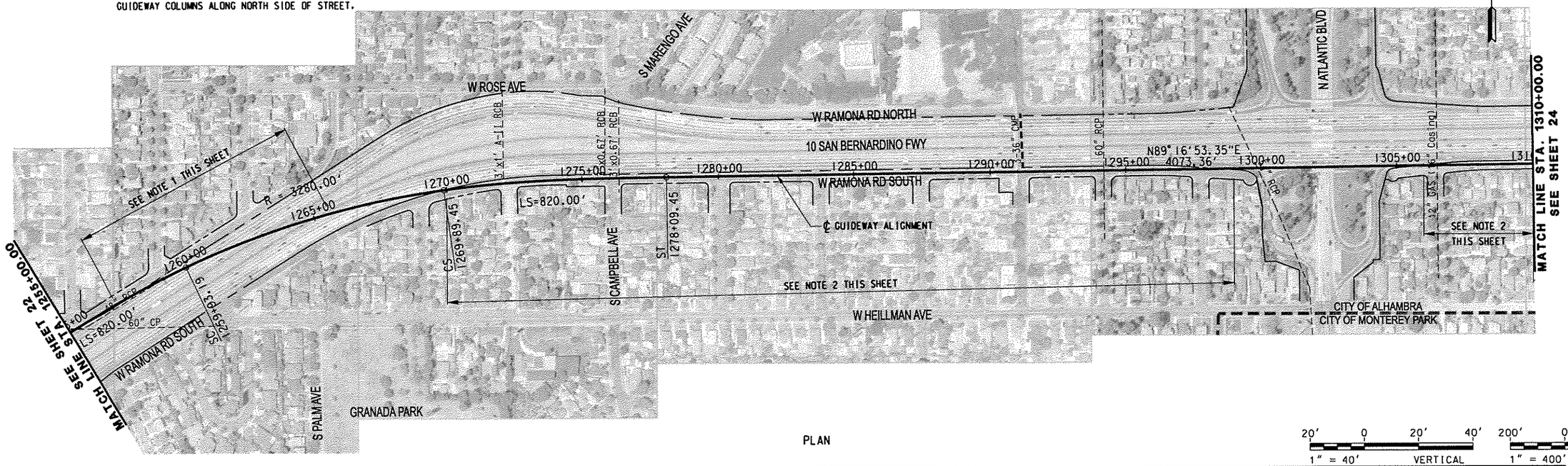
PART: PART 2

REVISION

SHEET NO. 22

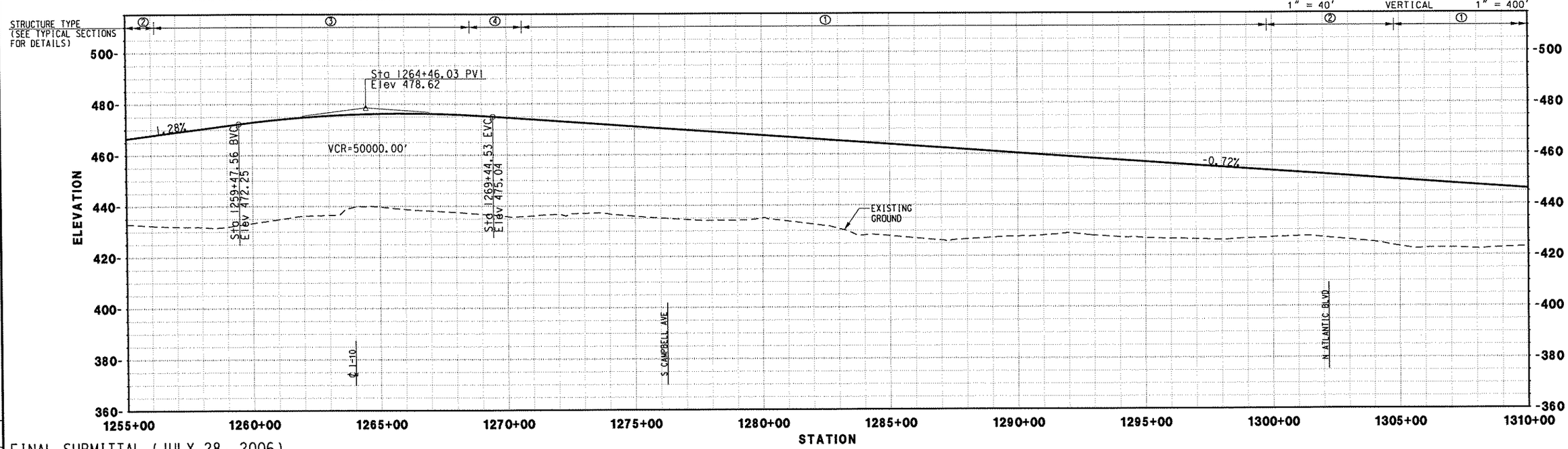
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN I-10 FREEWAY BY 9' FROM STA 1257+00 TO STA 1265+55 TO ACCOMMODATE GUIDEWAY COLUMNS.
2 WIDEN W RAMONA RD SOUTH FROM STA 1270+00 TO STA 1299+00 AND FROM STA 1306+00 TO STA 1310+00 BY 4' TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	CHK.	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

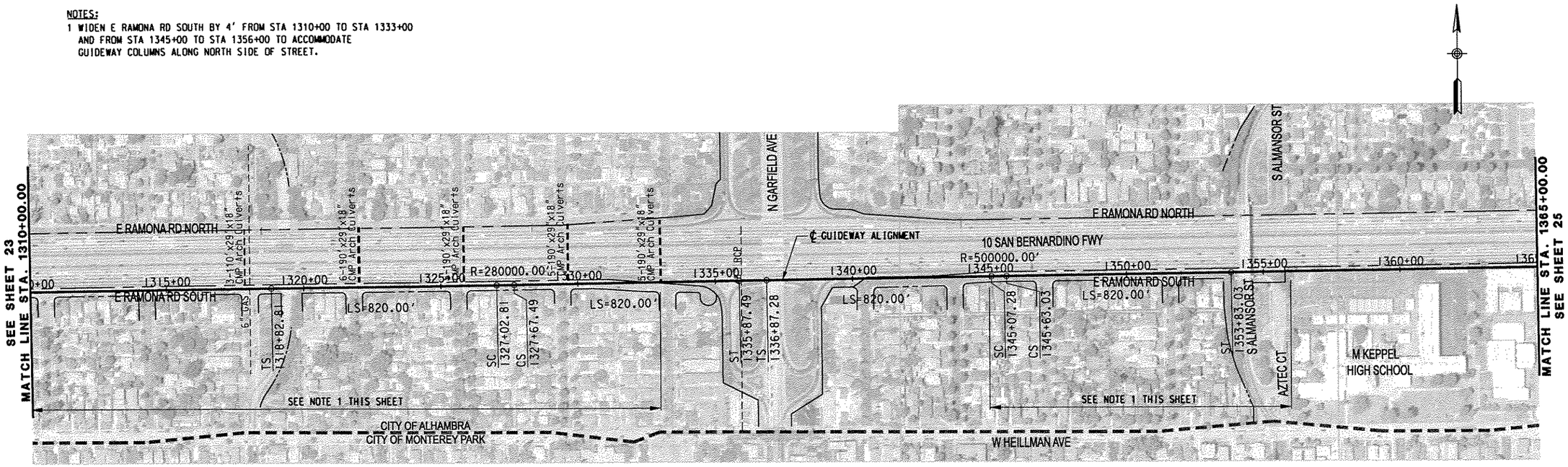
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1255+00.00 TO STA 1310+00.00

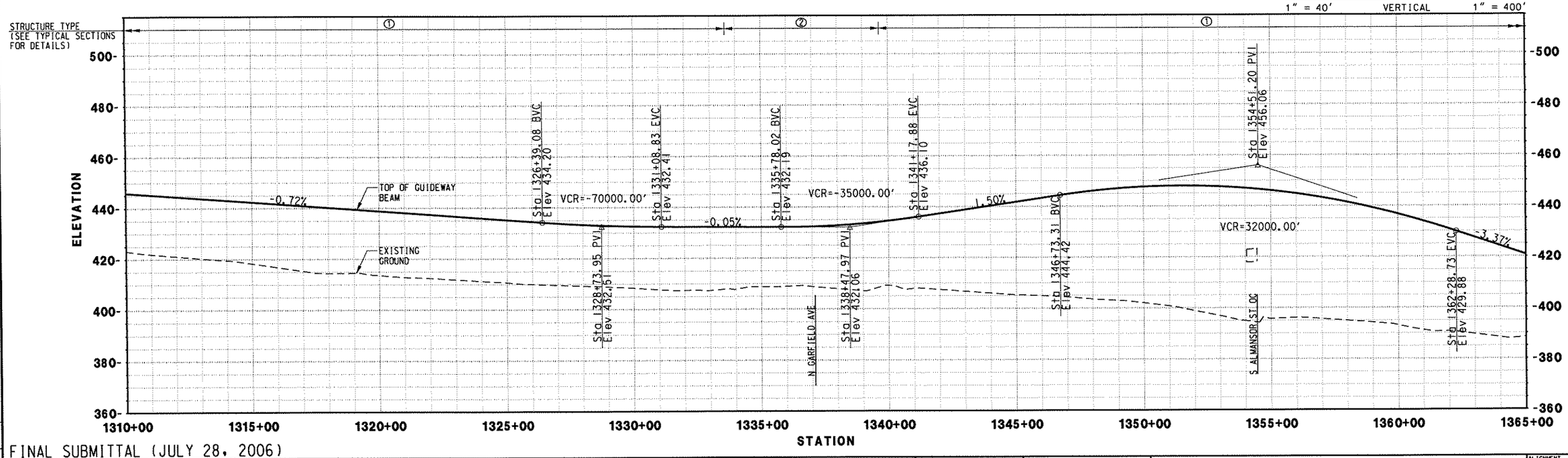
ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 23
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN E RAMONA RD SOUTH BY 4' FROM STA 1310+00 TO STA 1333+00 AND FROM STA 1345+00 TO STA 1356+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

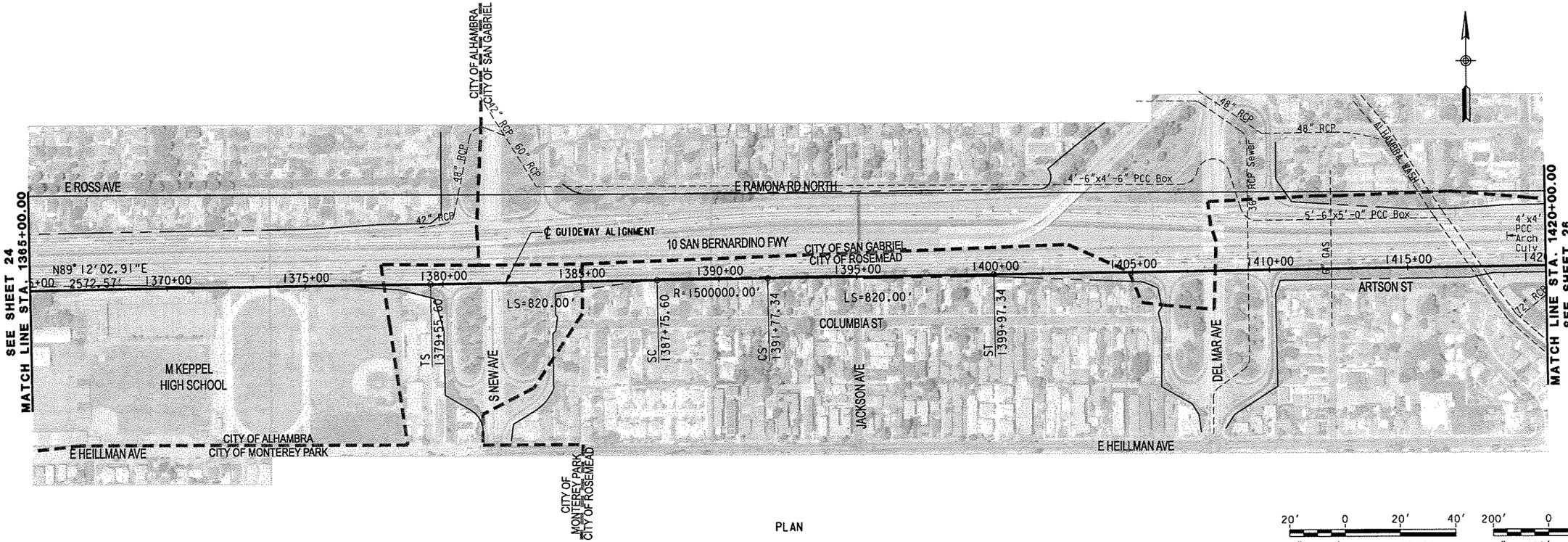
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2
FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 1310+00.00 TO STA 1365+00.00

ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 24
SCALE: HOR: 1" = 400' VER: 1" = 40'



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1365+00.00 TO STA 1420+00.00

ALIGNMENT I-10

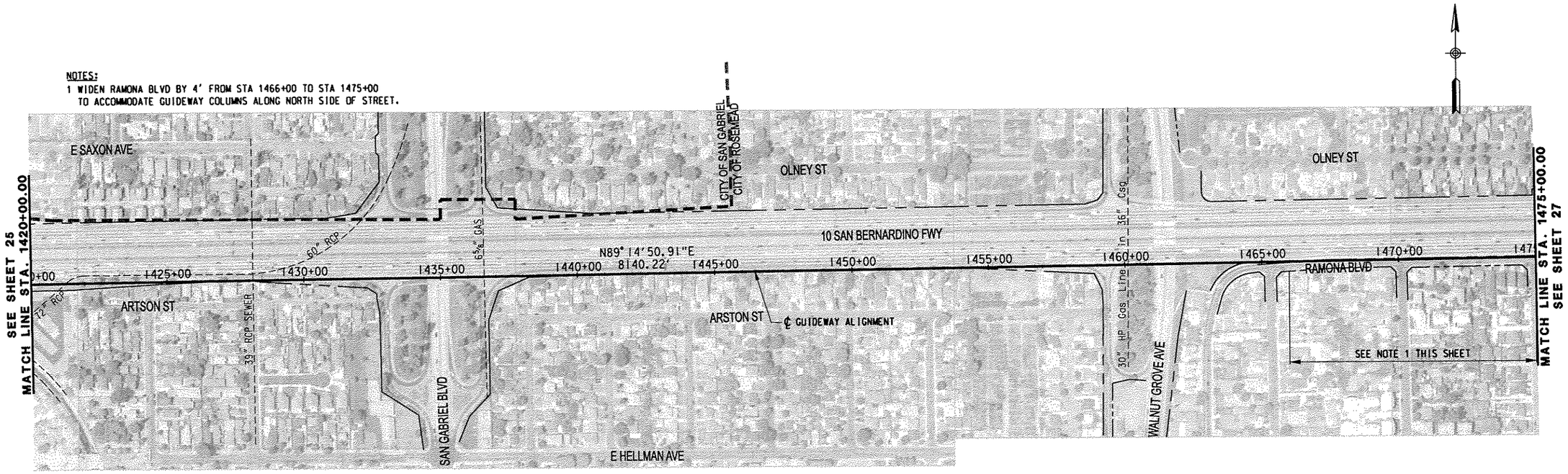
PART PART 2

REVISION

SHEET NO. 25

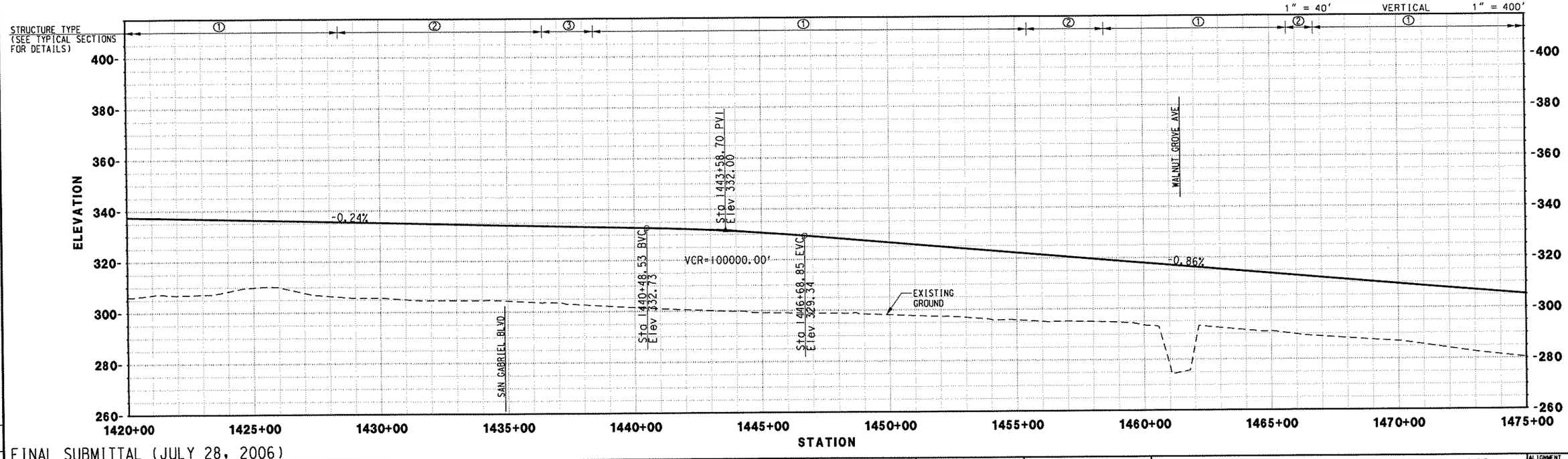
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN RAMONA BLVD BY 4' FROM STA 1466+00 TO STA 1475+00
TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

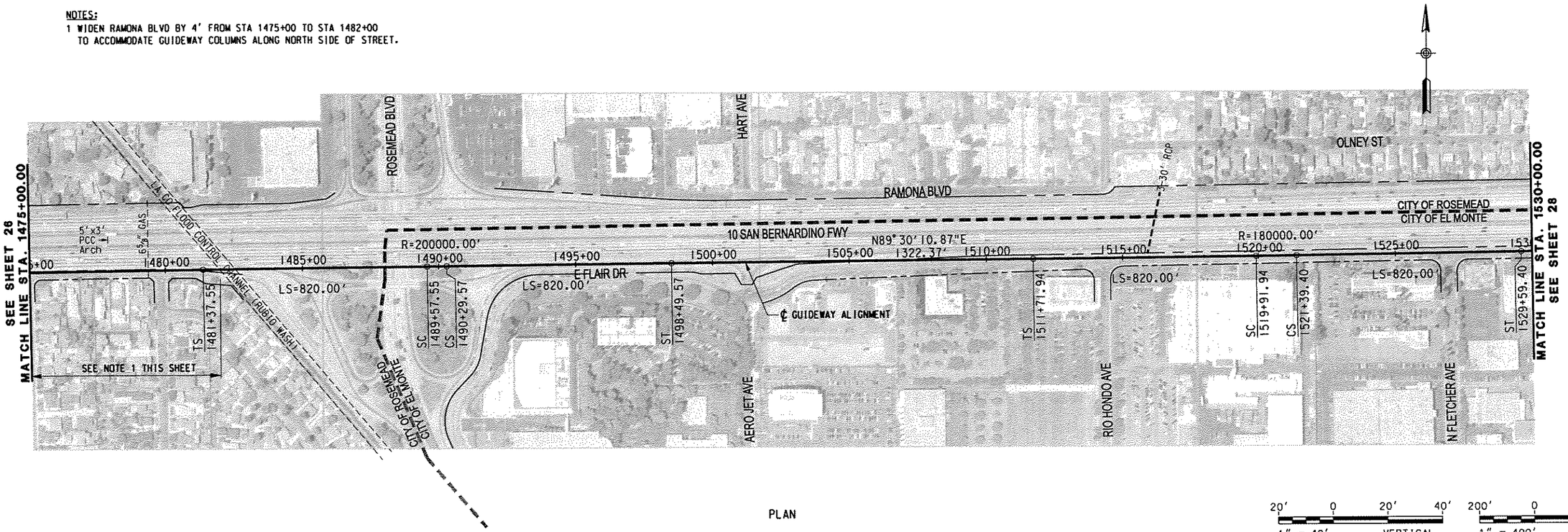
WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1420+00.00 TO STA 1475+00.00

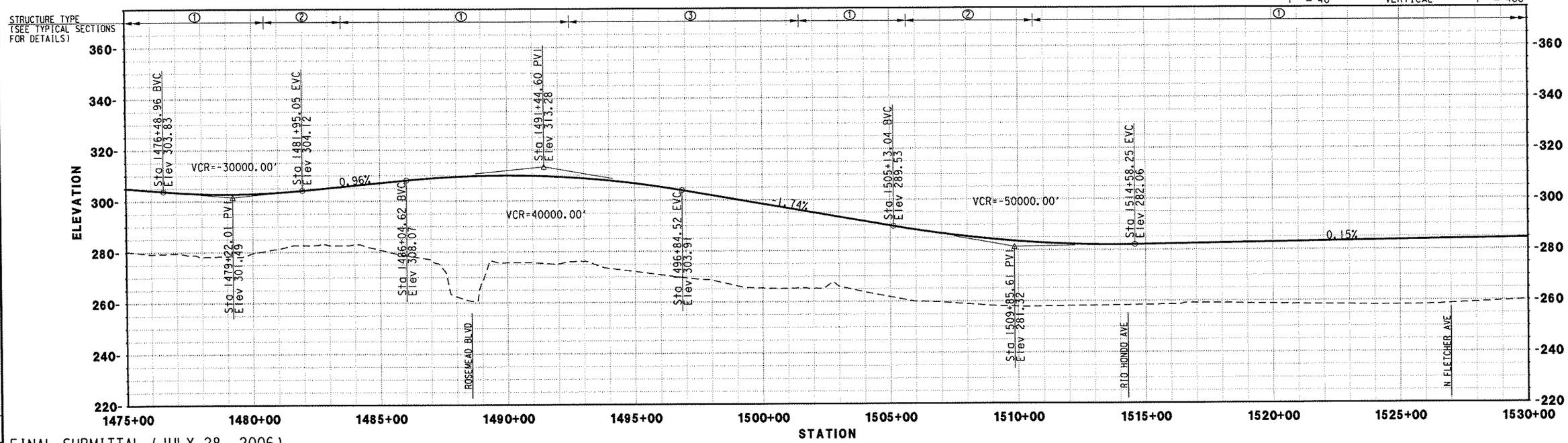
ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 26
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN RAMONA BLVD BY 4' FROM STA 1475+00 TO STA 1482+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



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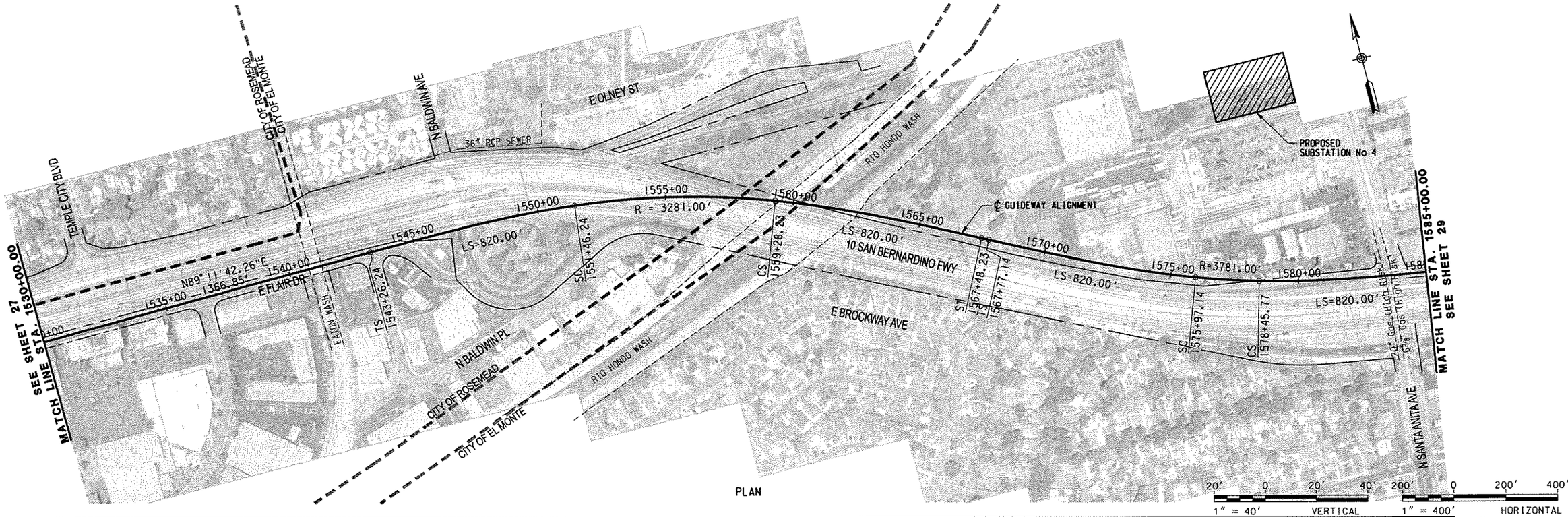
FRA Grant Agreement NO. DTFRDV-04-H-60053

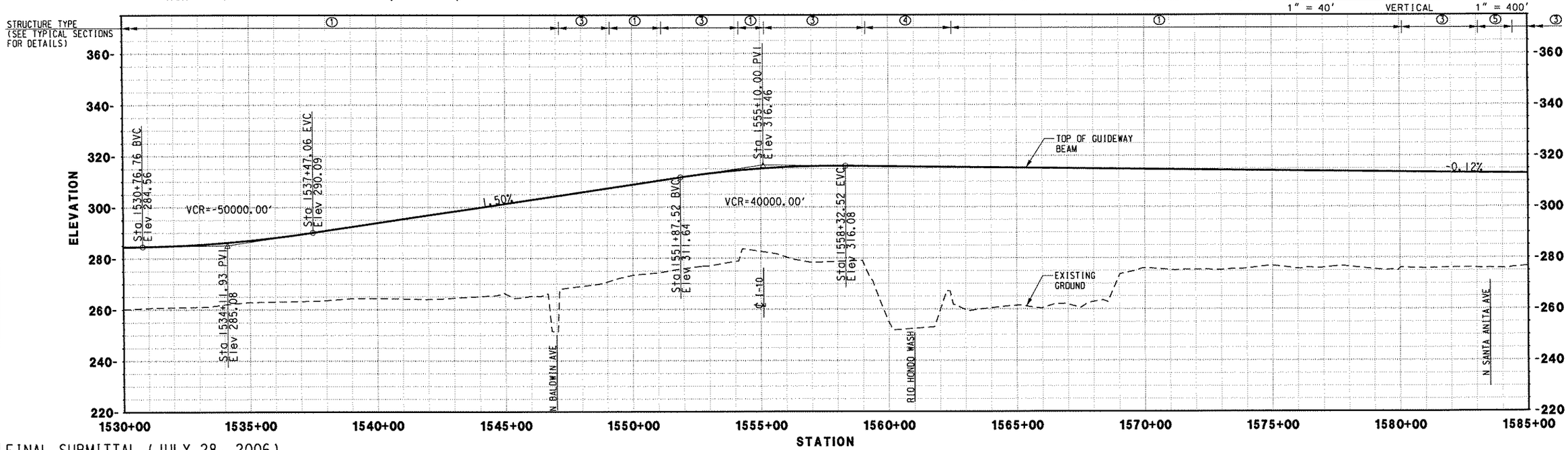
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1475+00.00 TO STA 1530+00.00

ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 27
SCALE: HOR: 1" = 400' VER: 1" = 40'





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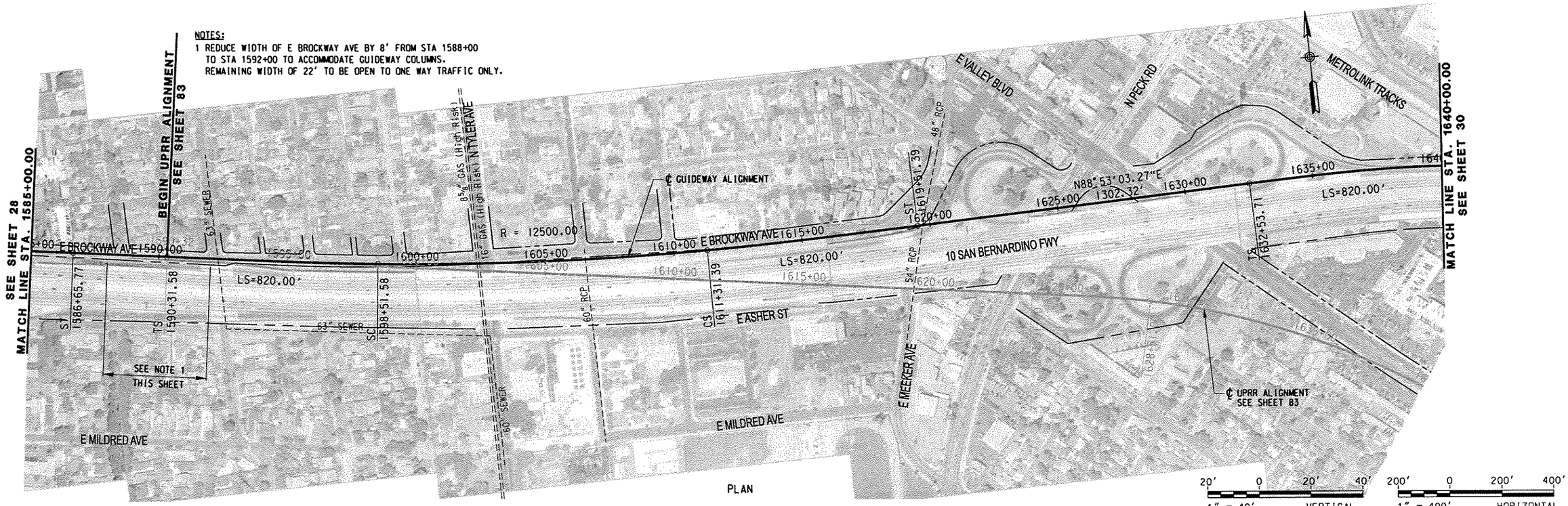
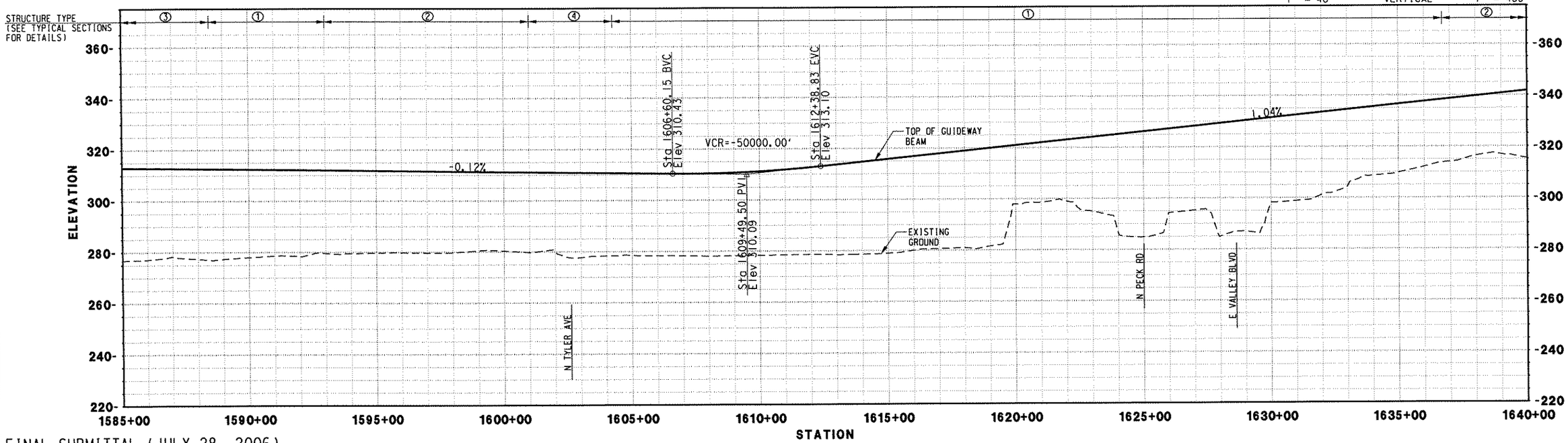
FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1530+00.00 TO STA 1585+00.00

ALIGNMENT: I-10
PART: PART 2
REVISION
SHEET NO. 28
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 REDUCE WIDTH OF E BROCKWAY AVE BY 8' FROM STA 1588+00 TO STA 1592+00 TO ACCOMMODATE GUIDEWAY COLUMNS. REMAINING WIDTH OF 22' TO BE OPEN TO ONE WAY TRAFFIC ONLY.





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MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1585+00.00 TO STA 1640+00.00

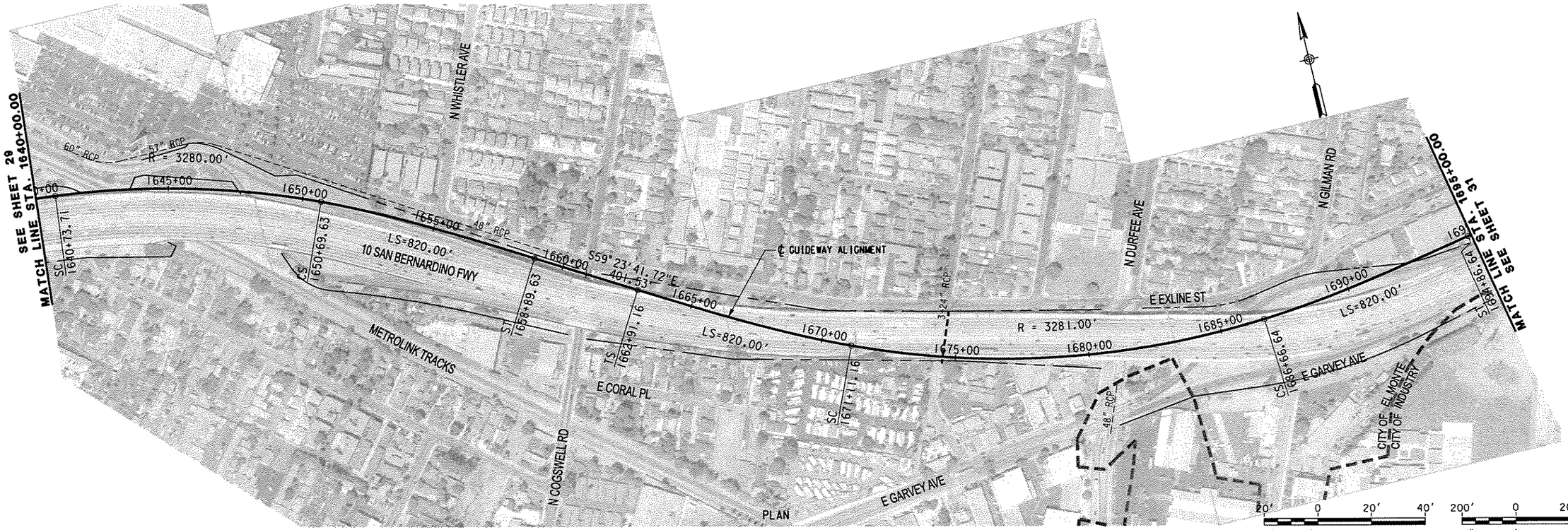
ALIGNMENT I-10

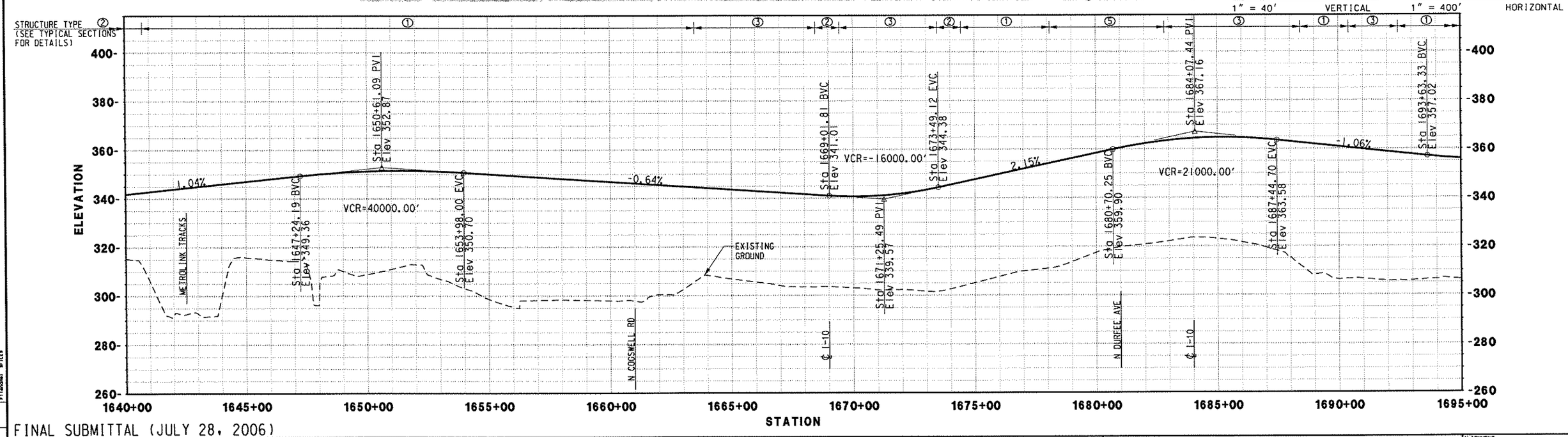
PART PART 2

REVISION

SHEET NO. 29

SCALE: HOR: 1" = 400' VER: 1" = 40'





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MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1640+00.00 TO STA 1695+00.00

ALIGNMENT: I-10

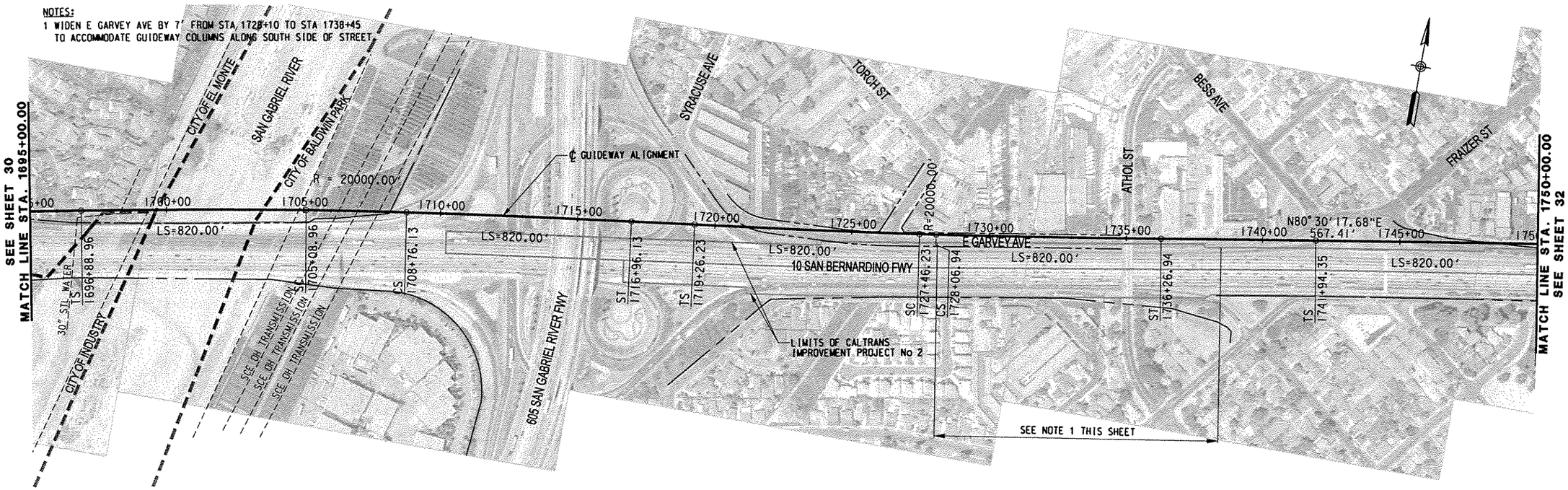
PART: PART 2

REVISION

SHEET NO. 30

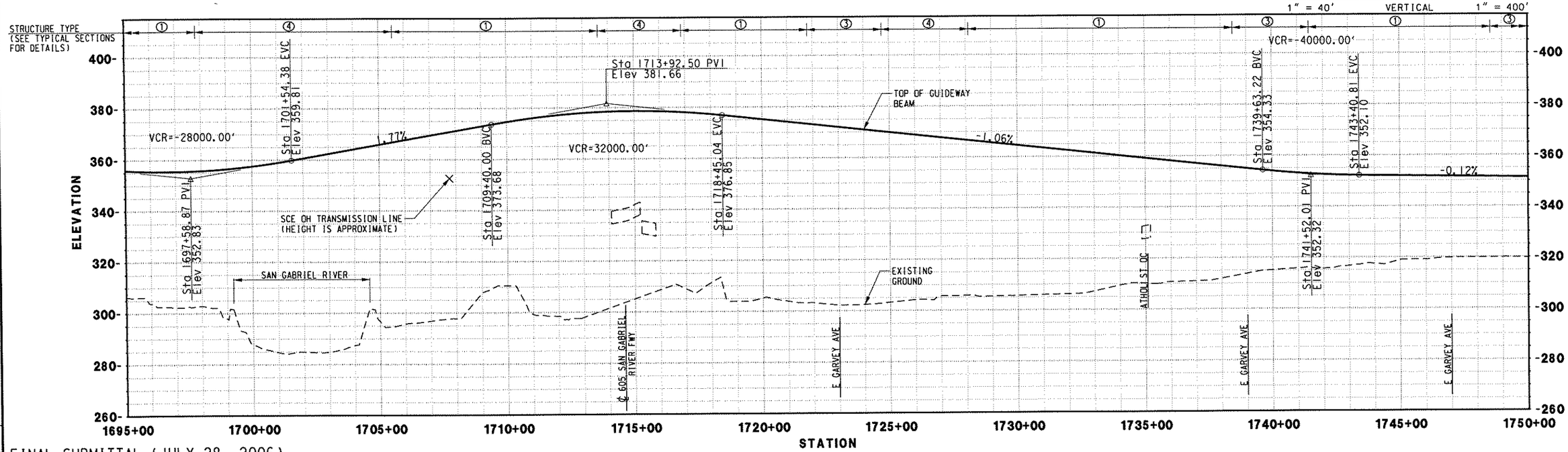
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN E GARVEY AVE BY 7' FROM STA 1728+10 TO STA 1738+45 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



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FRA Grant Agreement NO. DTFRDV-04-H-60053

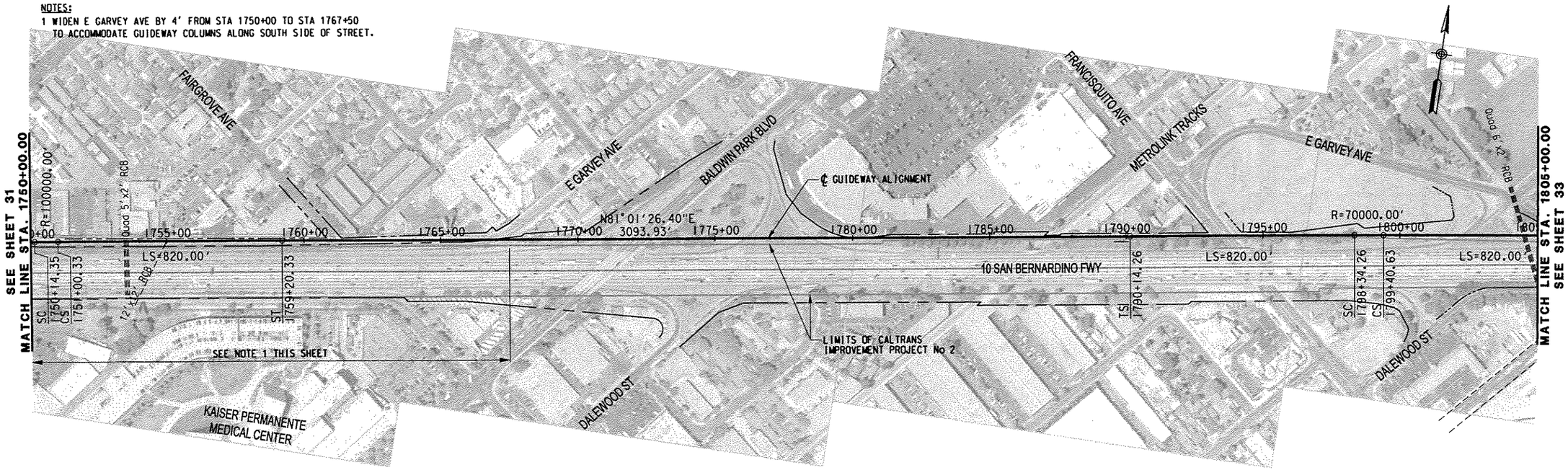
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

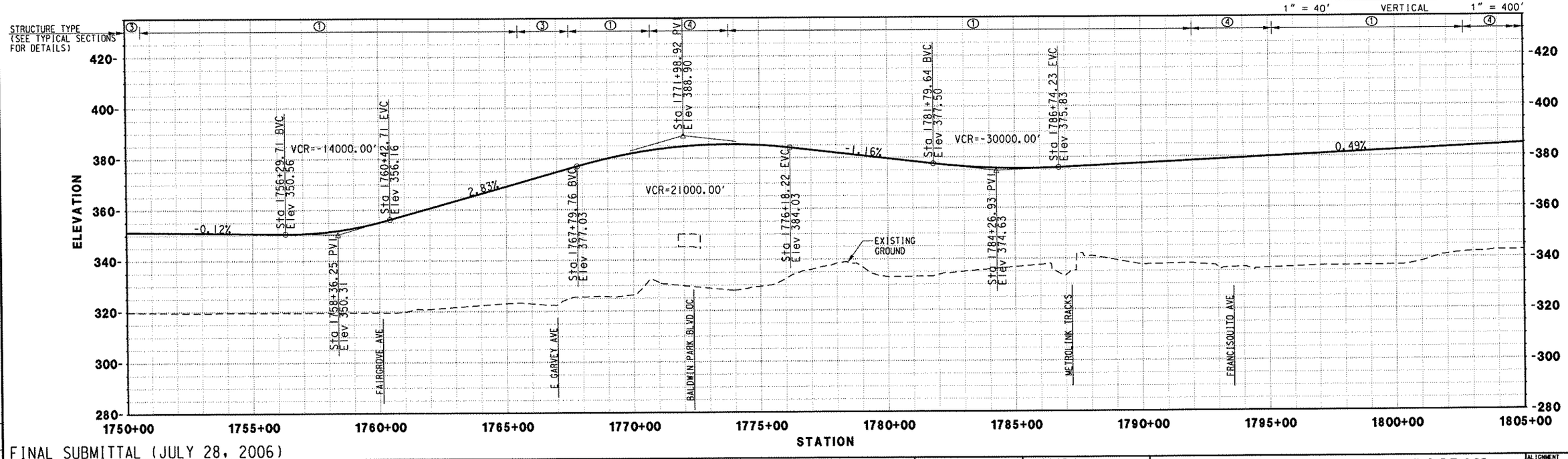
FROM STA 1695+00.00 TO STA 1750+00.00

ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 31
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN E GARVEY AVE BY 4' FROM STA 1750+00 TO STA 1767+50
TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET.



PLAN



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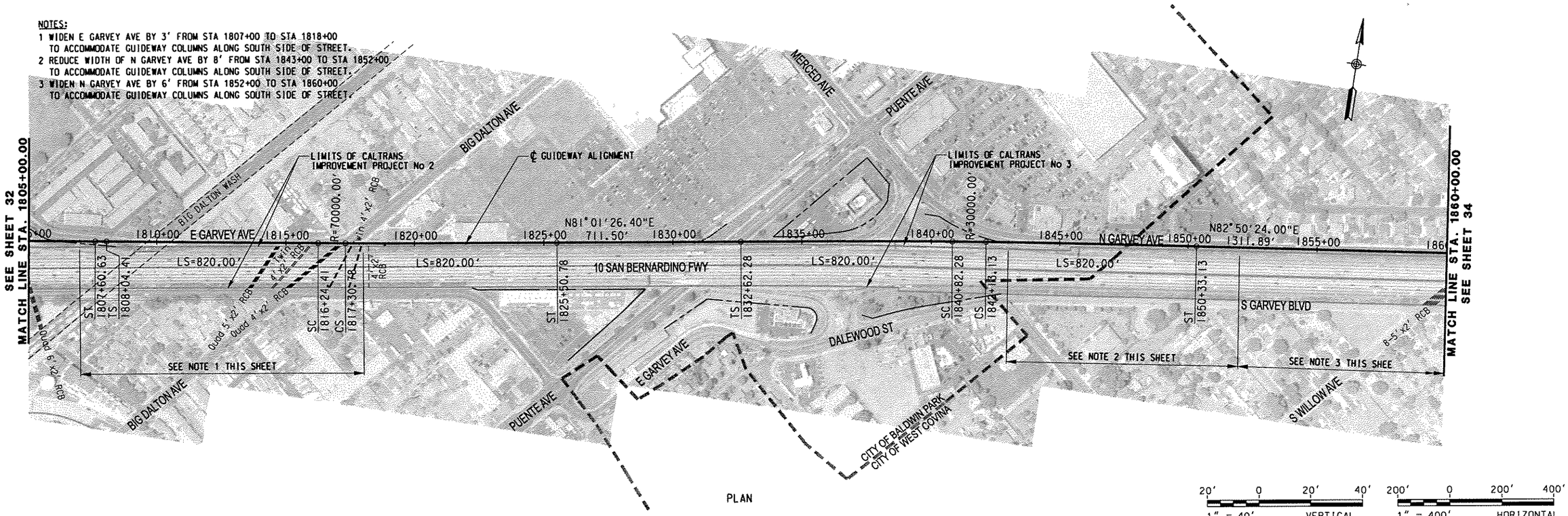
FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1750+00.00 TO STA 1805+00.00

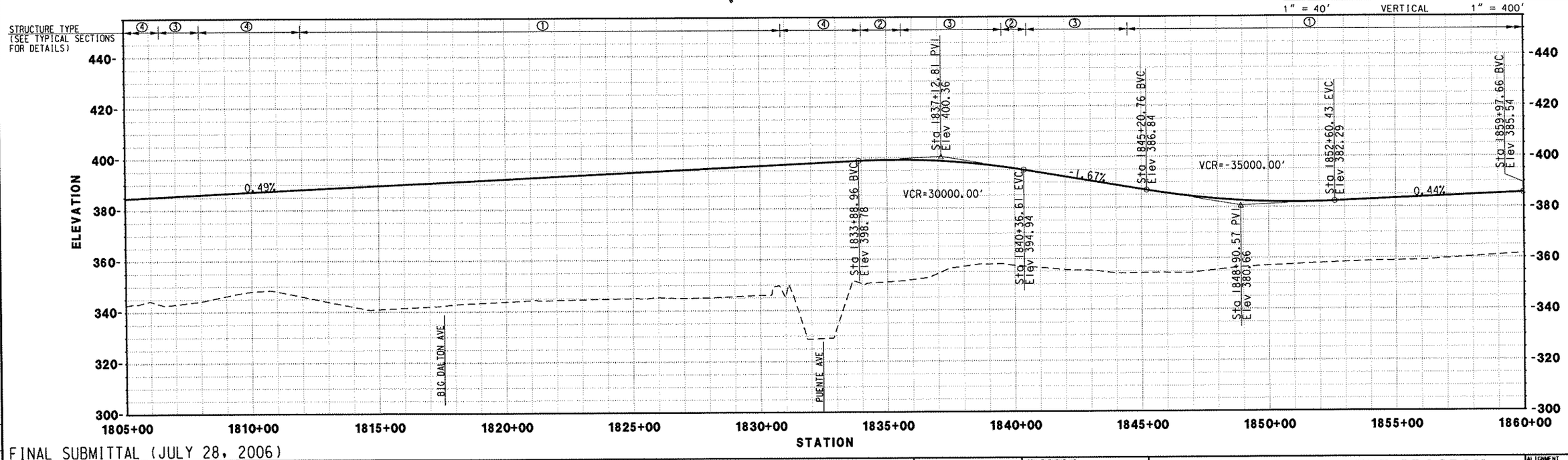
ALIGNMENT: I-10
PART: PART 2
REVISION
SHEET NO. 32
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN E GARVEY AVE BY 3' FROM STA 1807+00 TO STA 1818+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET.
2 REDUCE WIDTH OF N GARVEY AVE BY 8' FROM STA 1843+00 TO STA 1852+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET.
3 WIDEN N GARVEY AVE BY 6' FROM STA 1852+00 TO STA 1860+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



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WORK ELEMENT NO. 05-240.SCGC3.2
FRA Grant Agreement NO. DTFRDV-04-H-60053

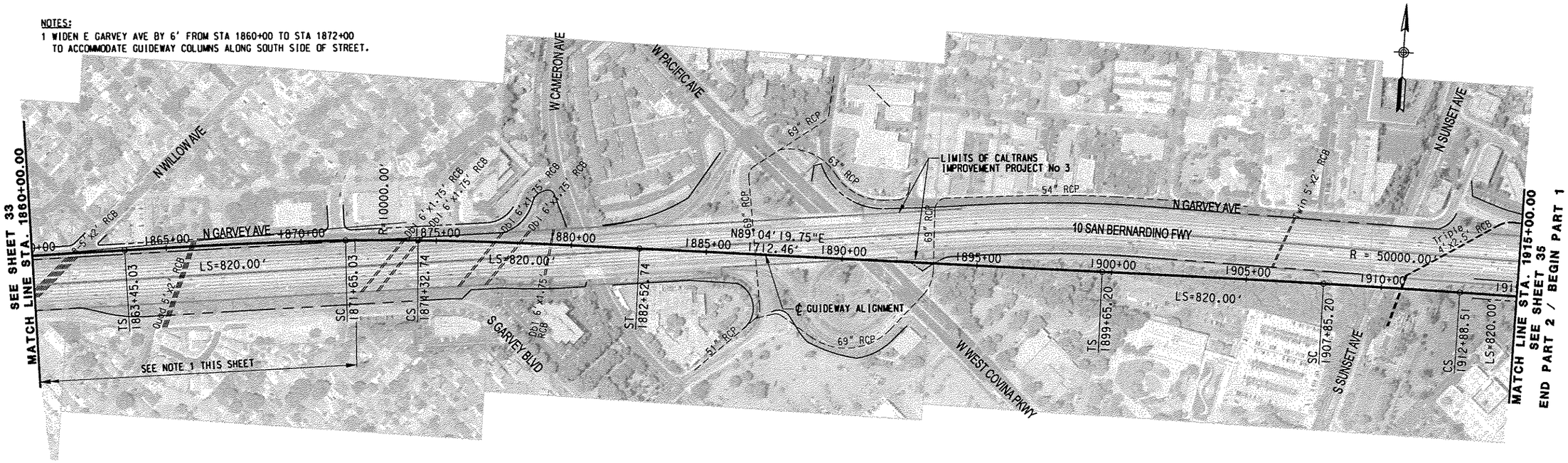
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1805+00.00 TO STA 1860+00.00

ALIGNMENT I-10
PART PART 2
REVISION
SHEET NO. 33
SCALE: HOR: 1" = 400' VER: 1" = 40'

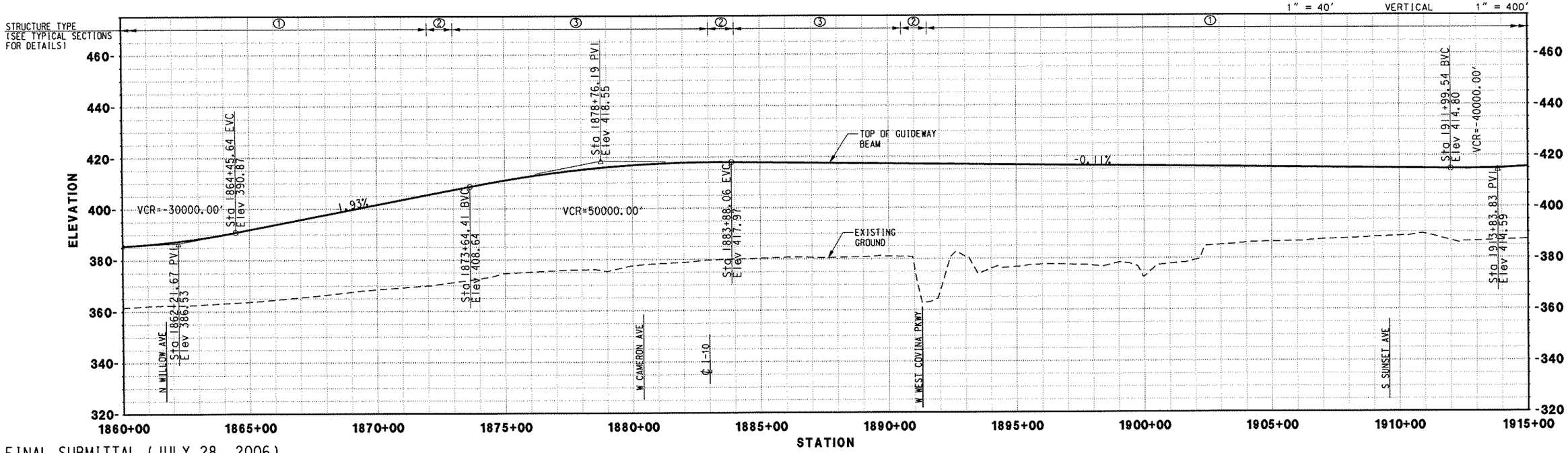
NOTES:
1 WIDEN E GARVEY AVE BY 6' FROM STA 1860+00 TO STA 1872+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG SOUTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1860+00.00 TO STA 1915+00.00

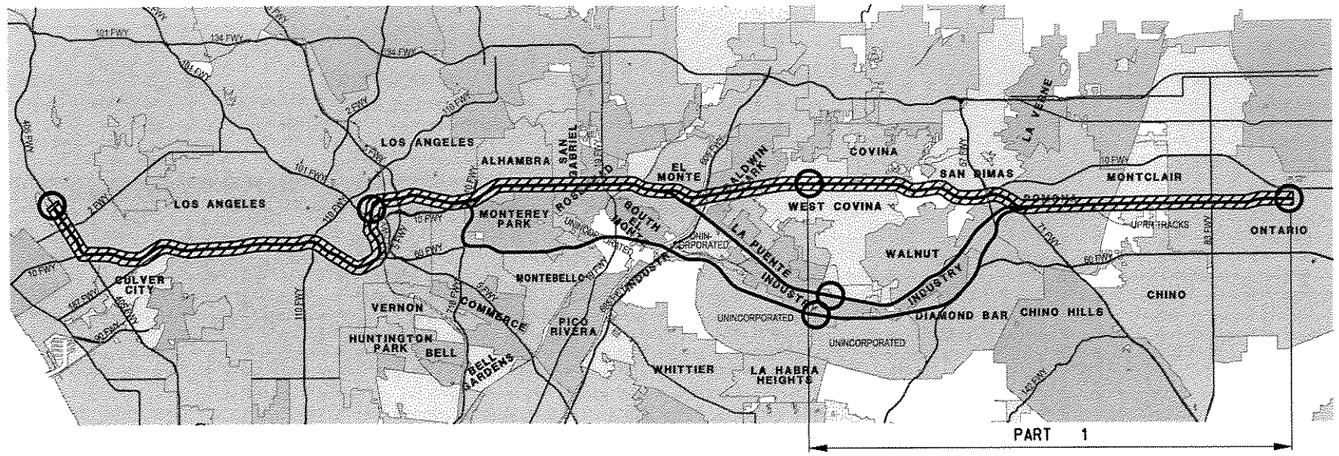
ALIGNMENT: I-10

PART: PART 2

REVISION

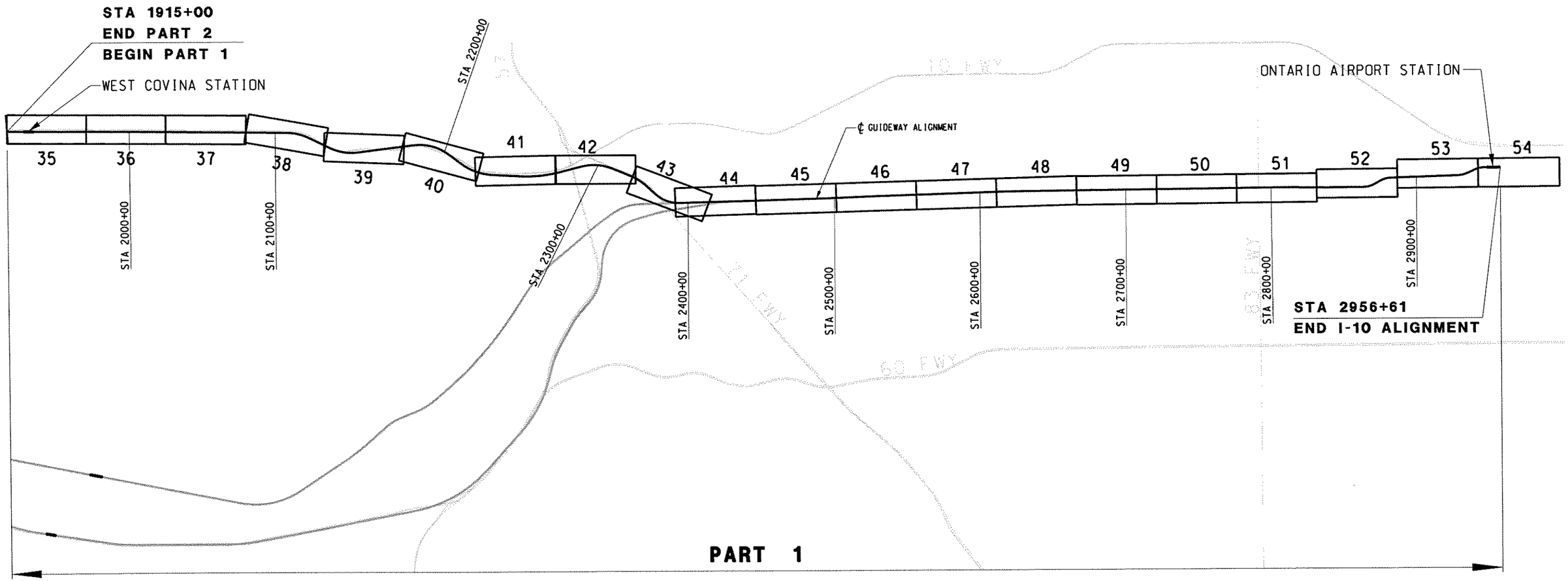
SHEET NO. 34

SCALE: HOR: 1" = 400' VER: 1" = 40'



LEGEND

- I-10 ALIGNMENT
- PLAN SHEET LIMITS
- 3 PLAN SHEET NUMBER
- STATION



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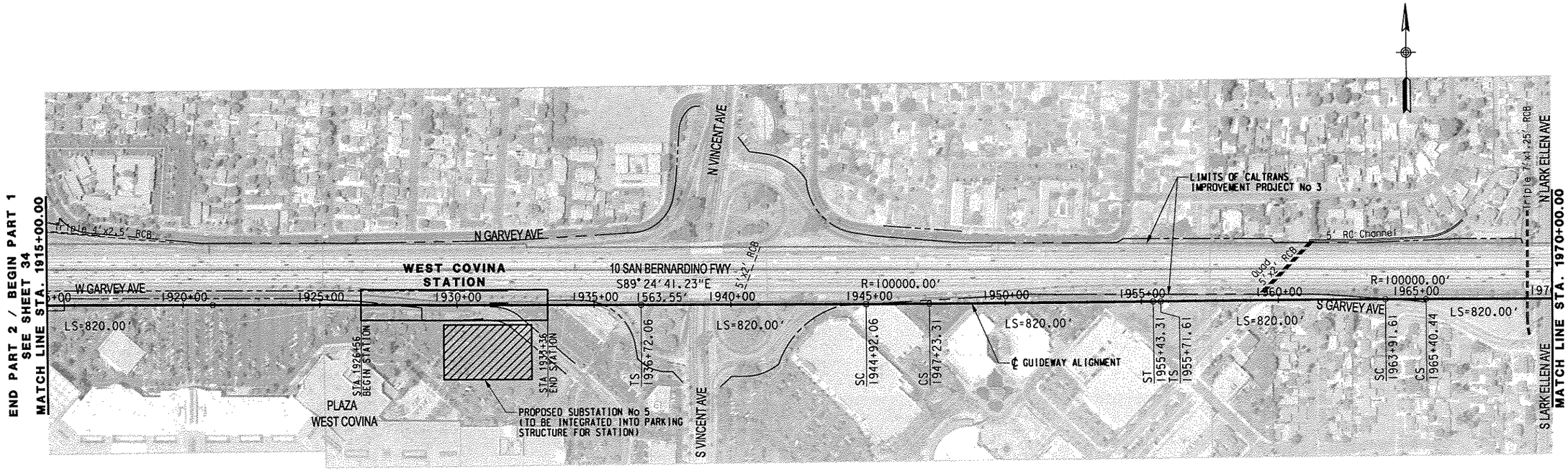
FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
I-10 ALIGNMENT
KEYMAP PLAN / PART 1
SAN GABRIEL VALLEY TO ONTARIO INTERNATIONAL AIRPORT

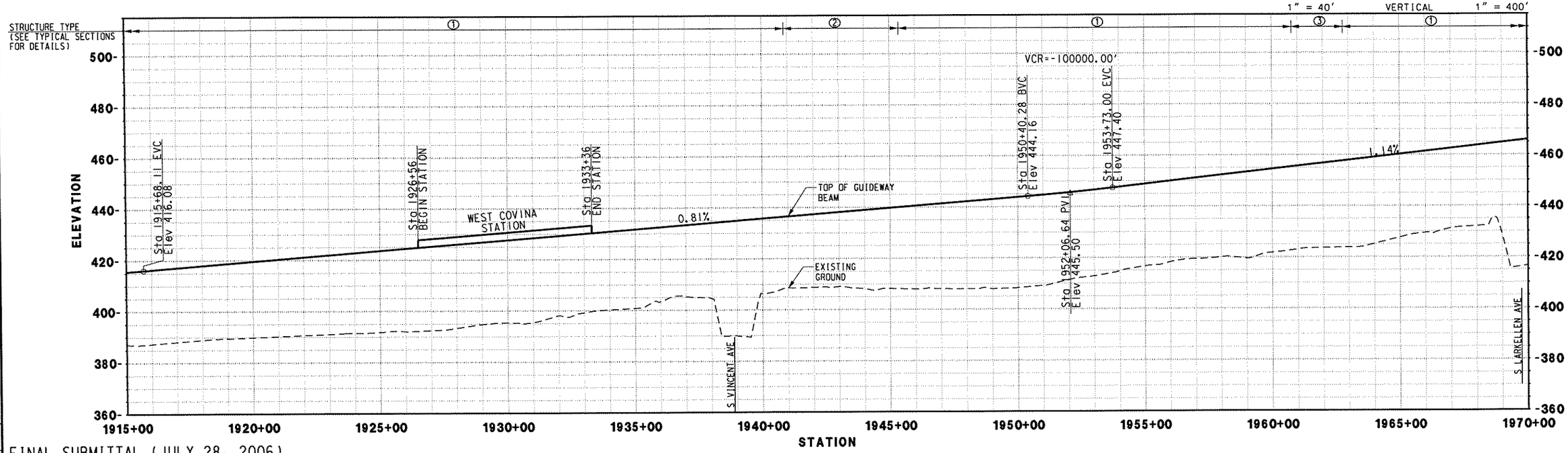
ALIGNMENT: I-10
PART: PART 1
REVISION
SHEET NO.: 3 OF 3
SCALE:



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1915+00.00 TO STA 1970+00.00

ALIGNMENT I-10

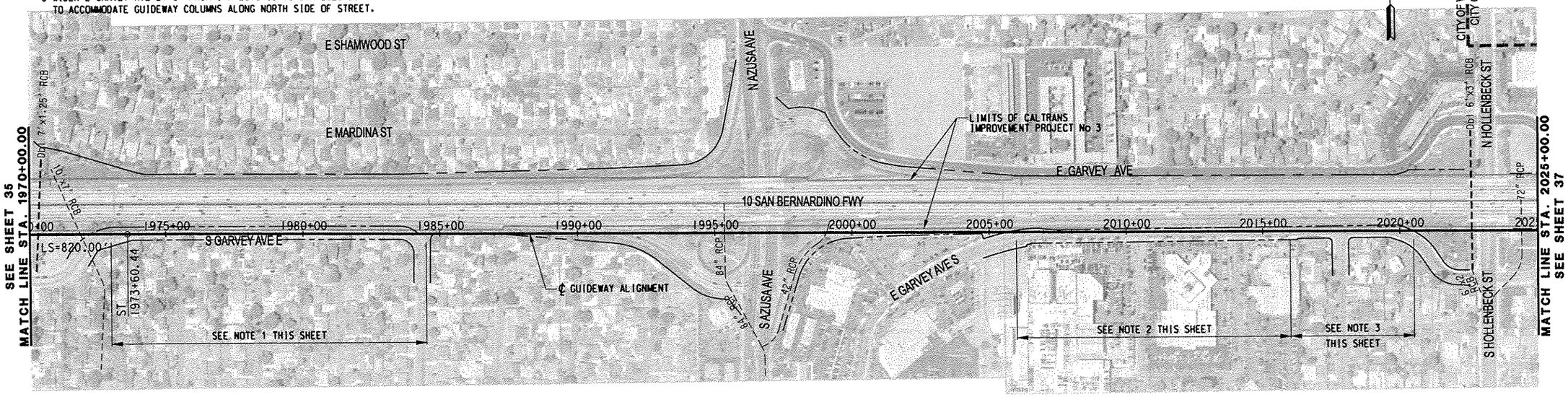
PART PART 1

REVISION

SHEET NO. 35

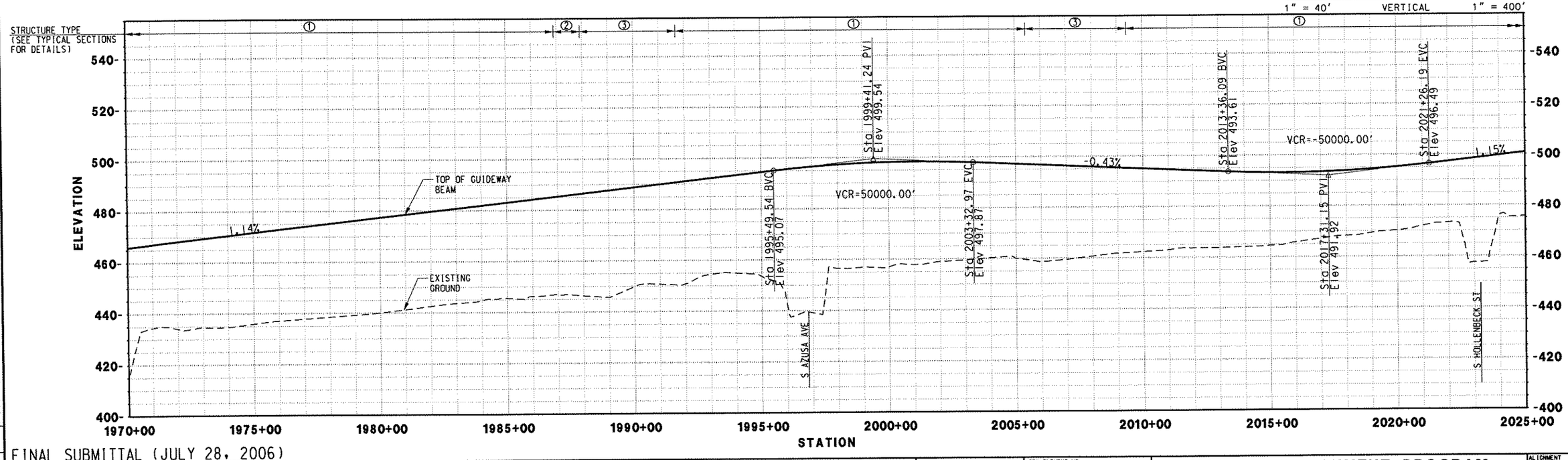
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN S GARVEY AVE BY 6' FROM STA 1973+00 TO STA 1984+50 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.
2 REDUCE WIDTH OF E GARVEY AVE BY 8' FROM STA 2006+00 TO STA 2016+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.
3 WIDEN E GARVEY AVE BY 6' FROM STA 2016+00 TO STA 2020+50 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



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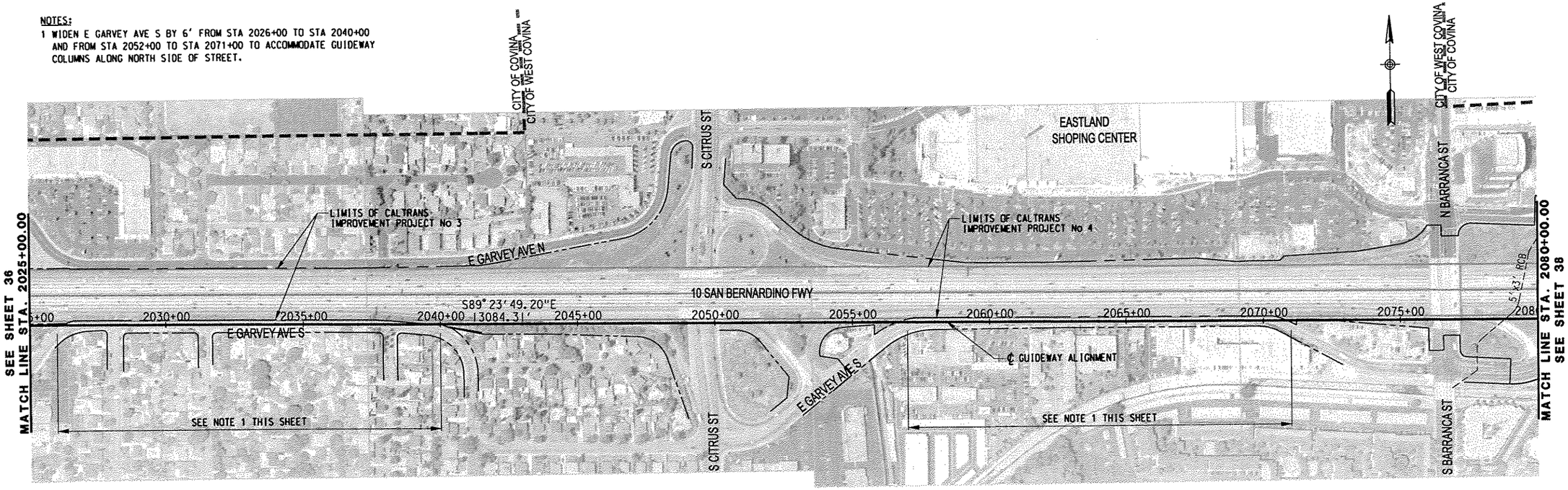
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 1970+00.00 TO STA 2025+00.00

ALIGNMENT I-10
PART PART 1
REVISION
SHEET NO. 36
SCALE: HOR: 1" = 400' VER: 1" = 40'

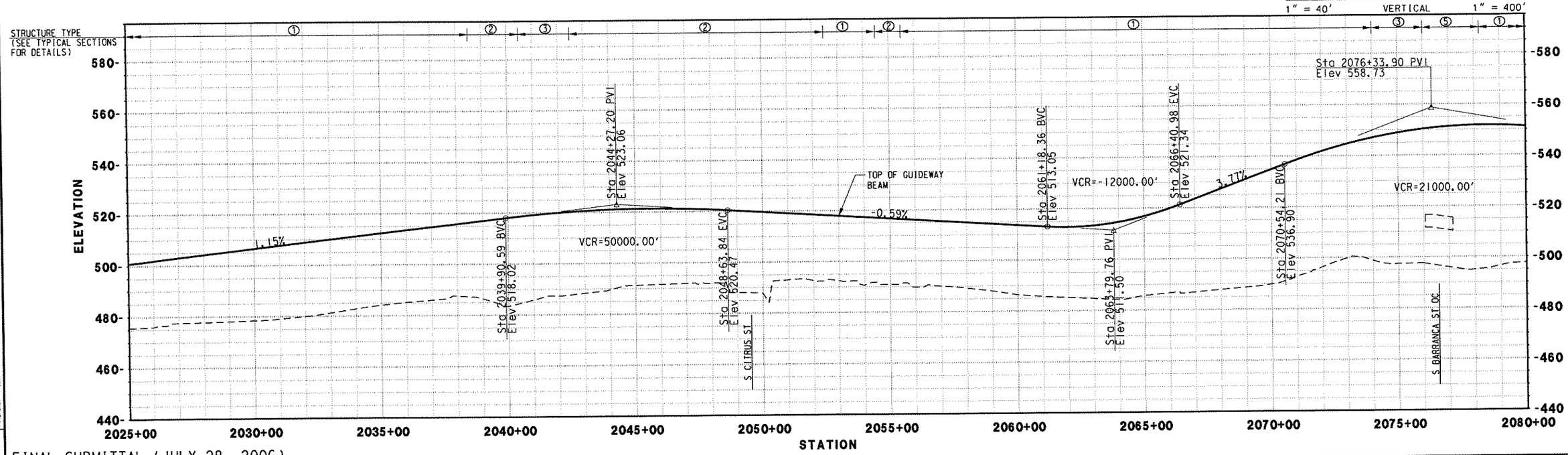
NOTES:
1 WIDEN E GARVEY AVE S BY 6' FROM STA 2026+00 TO STA 2040+00 AND FROM STA 2052+00 TO STA 2071+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 2025+00.00 TO STA 2080+00.00

ALIGNMENT I-10

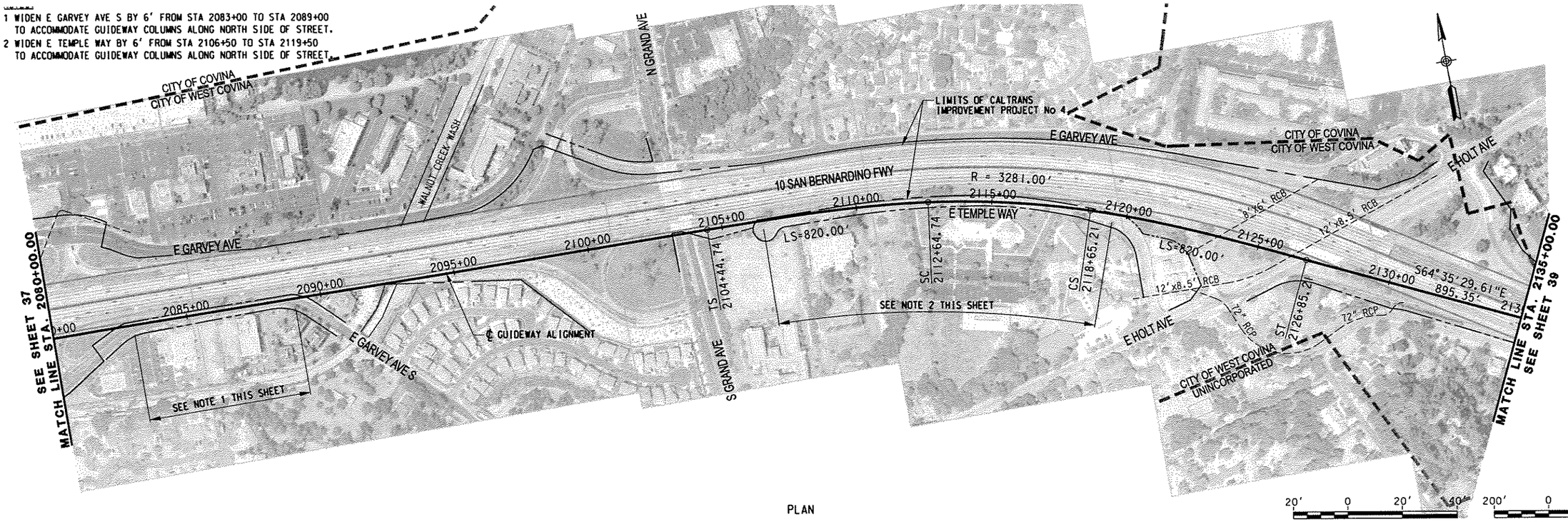
PART PART 1

REVISION

SHEET NO. 37

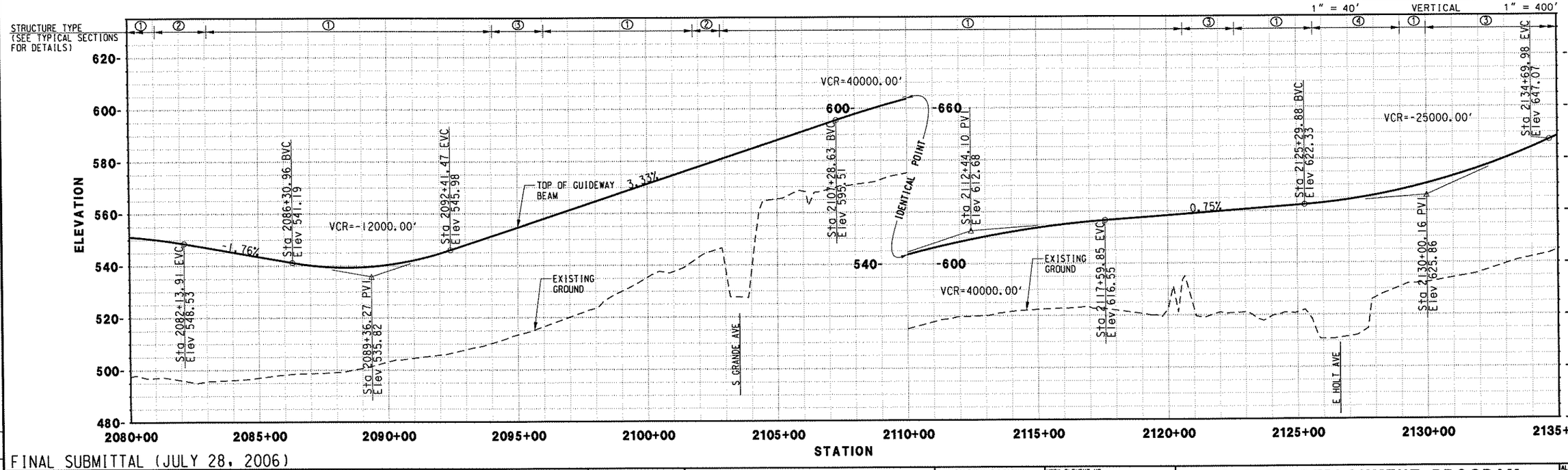
SCALE: HOR: 1" = 400' VER: 1" = 40'

1 WIDEN E GARVEY AVE S BY 6' FROM STA 2083+00 TO STA 2089+00 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.
2 WIDEN E TEMPLE WAY BY 6' FROM STA 2106+50 TO STA 2119+50 TO ACCOMMODATE GUIDEWAY COLUMNS ALONG NORTH SIDE OF STREET.



PLAN

1" = 40' VERTICAL 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential; said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2080+00.00 TO STA 2135+00.00

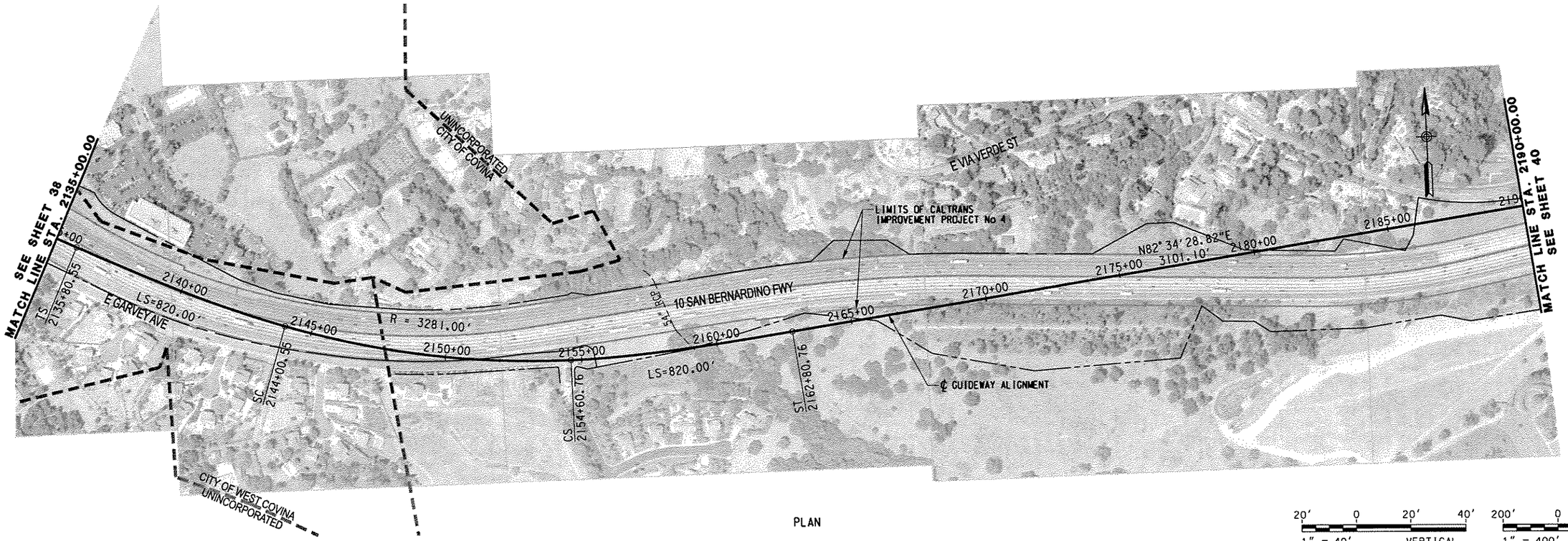
ALIGNMENT: I-10

PART: PART 1

REVISION

SHEET NO. 38

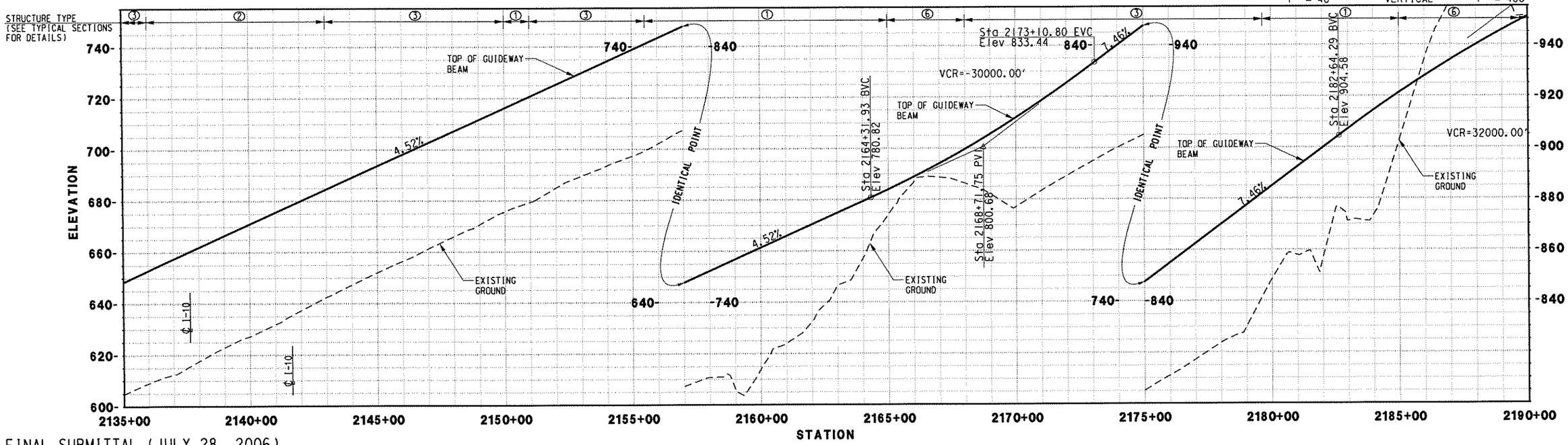
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' — 1" = 40' VERTICAL

200' 0 200' 400' — 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2135+00.00 TO STA 2190+00.00

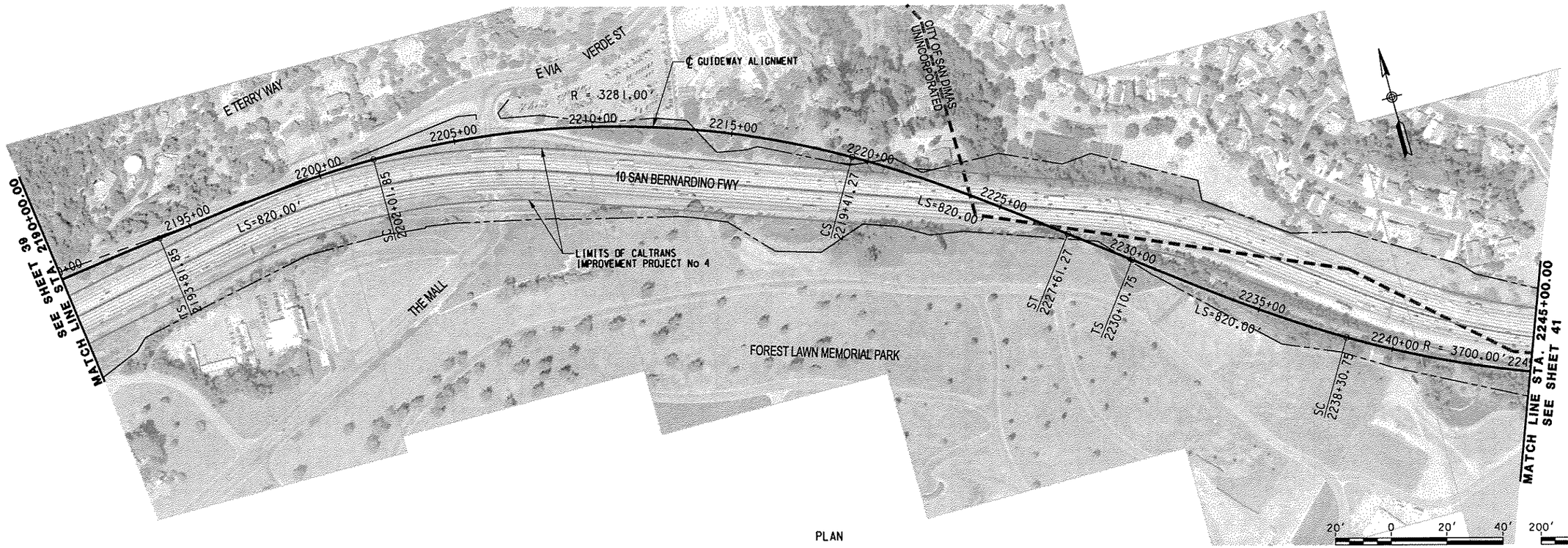
ALIGNMENT: I-10

PART: PART 1

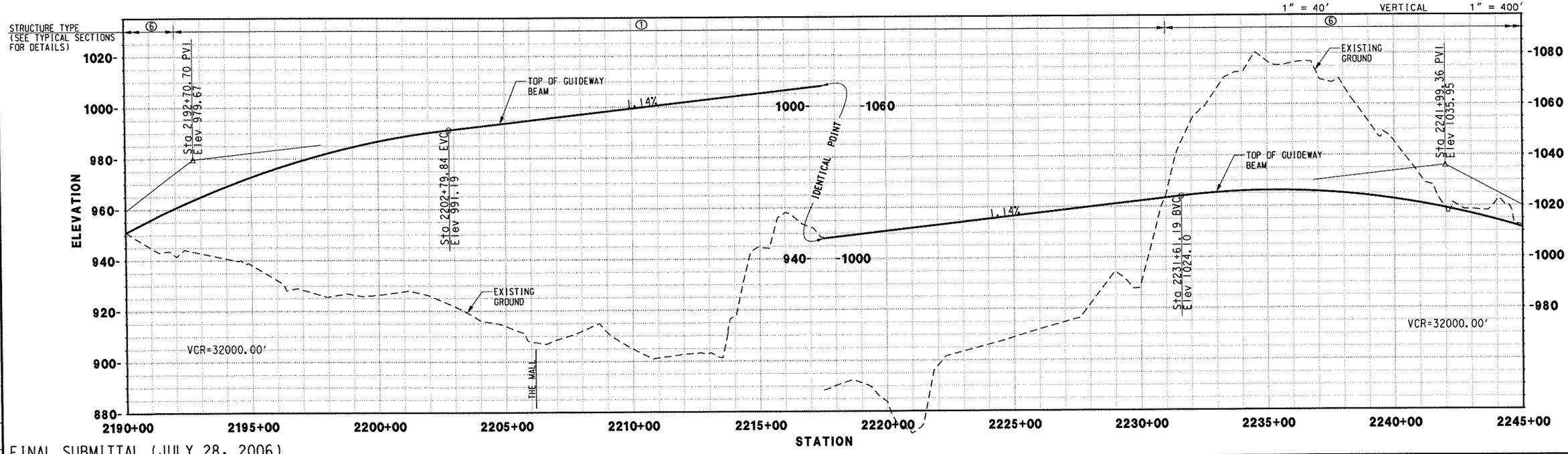
REVISION

SHEET NO. 39

SCALE: HDR: 1" = 400' VER: 1" = 40'



PLAN



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

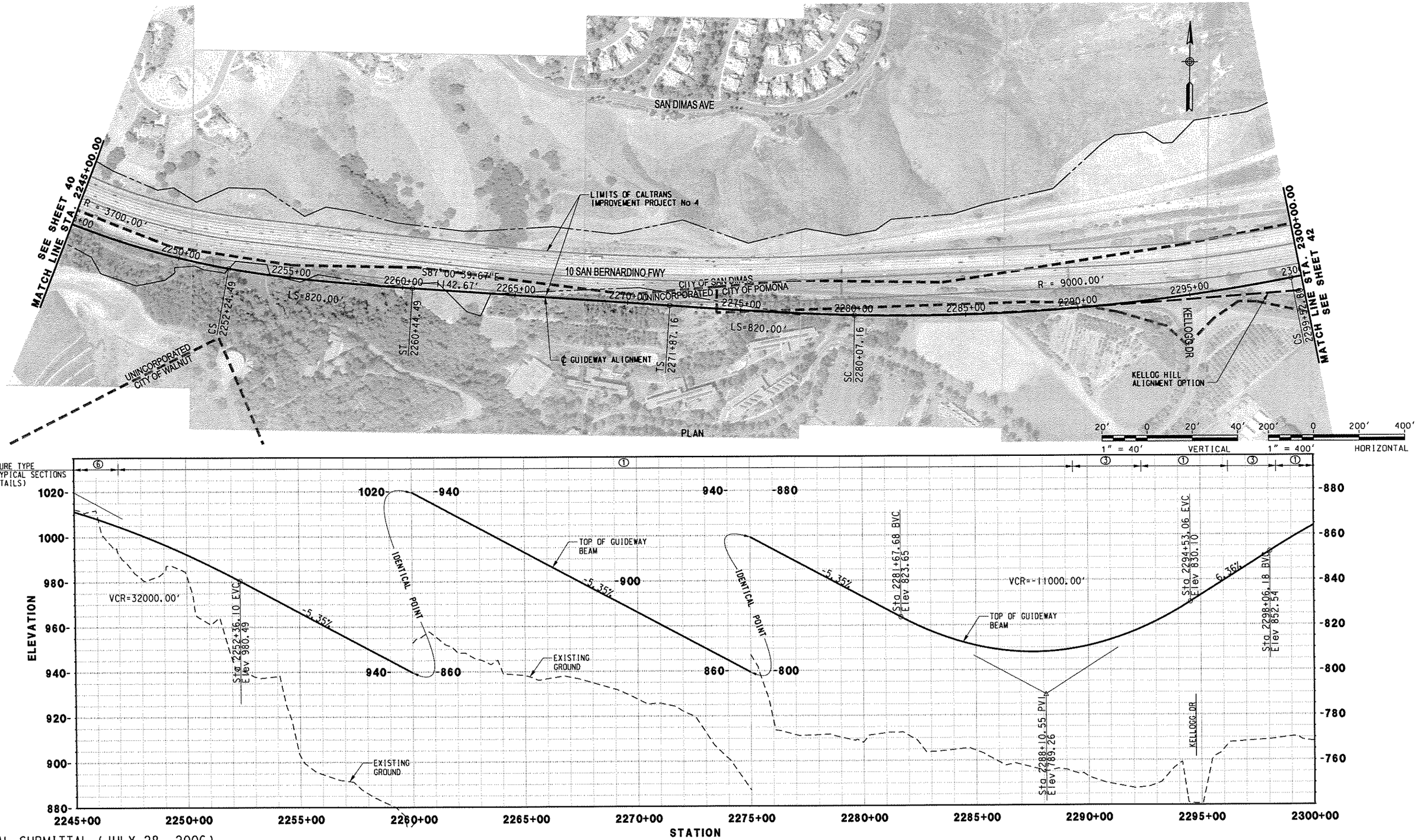
MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2190+00.00 TO STA 2245+00.00

ALIGNMENT: I-10

PART: PART 1

REVISION | SHEET NO. 40

SCALE: HOR: 1" = 400' VER: 1" = 40'



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2245+00.00 TO STA 2300+00.00

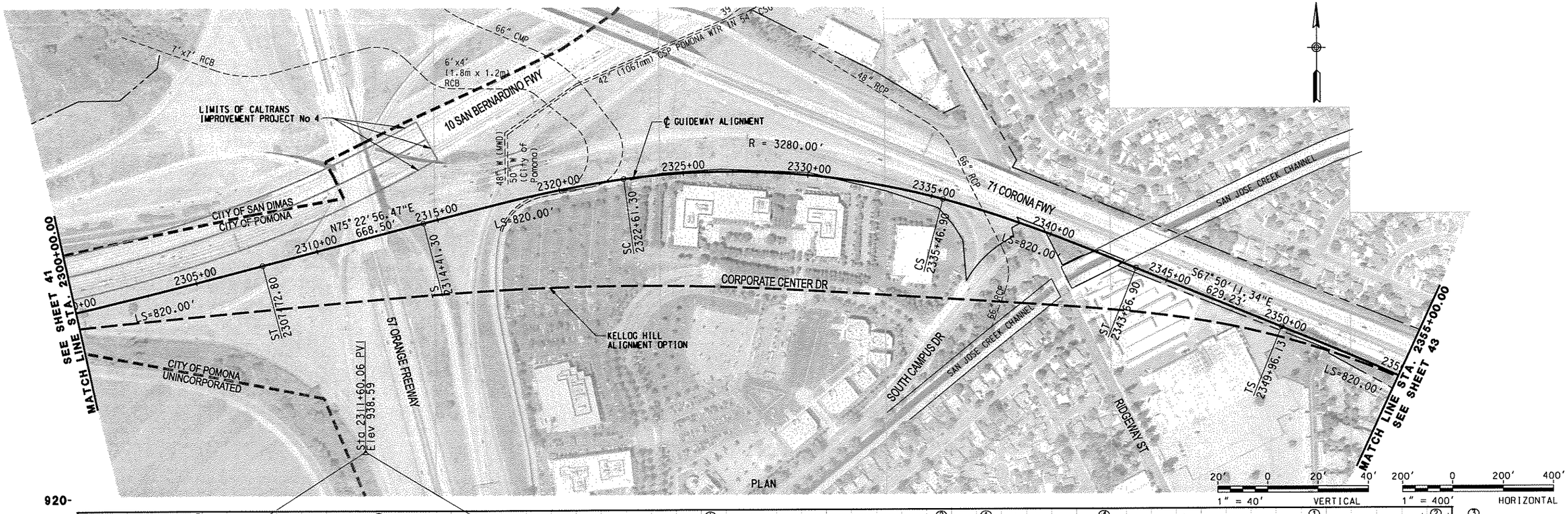
ALIGNMENT: I-10

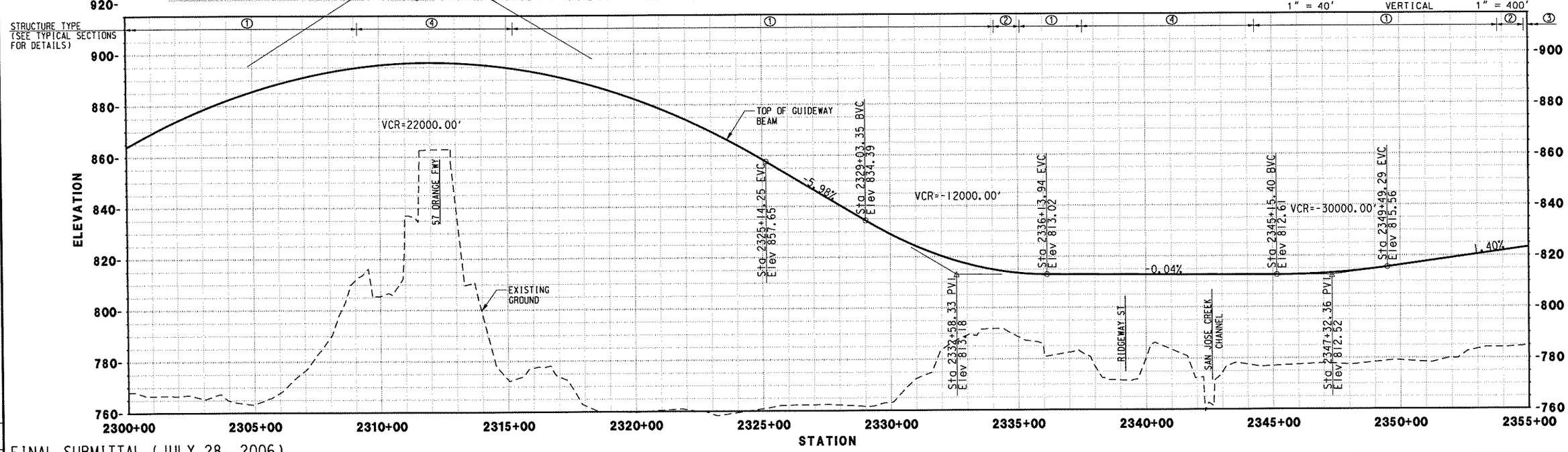
PART: PART 1

REVISION

SHEET NO. 41

SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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CHECKED BY	DCH
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DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2300+00.00 TO STA 2355+00.00

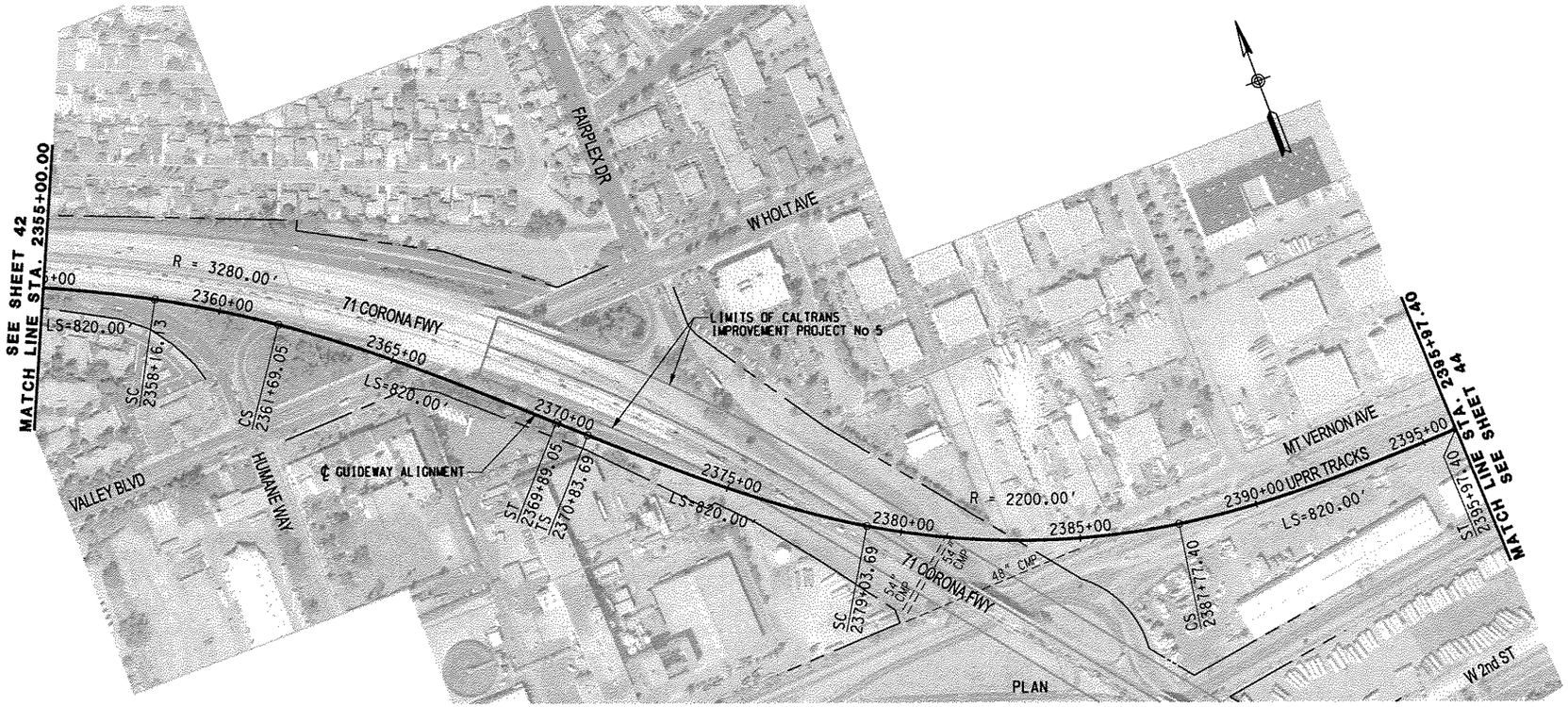
ALIGNMENT: I-10

PART: PART 1

REVISION

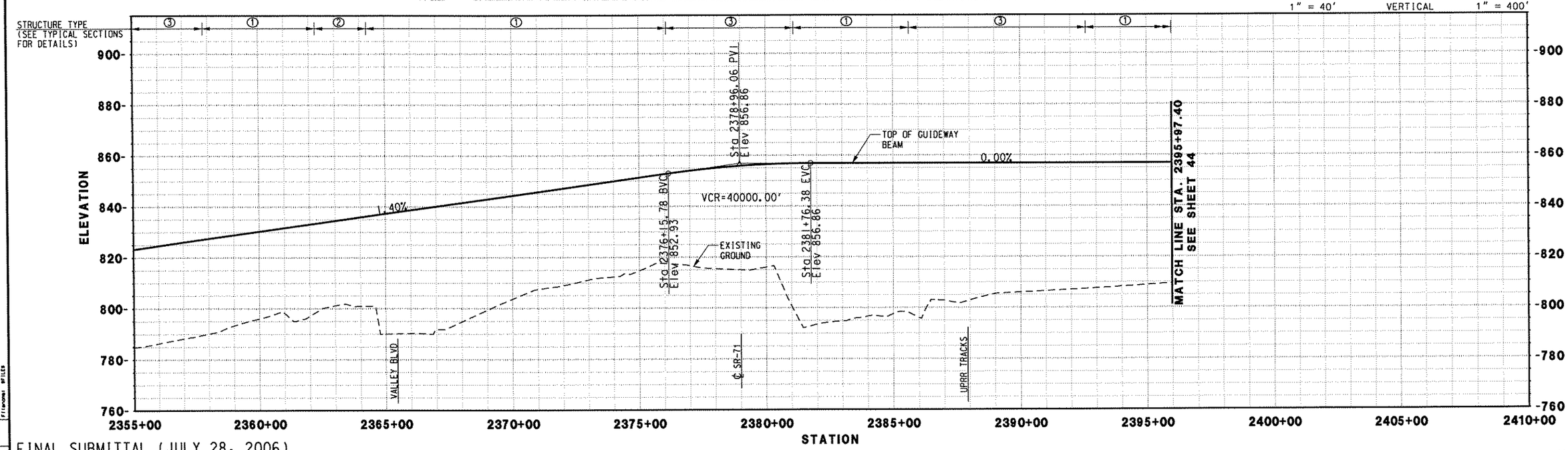
SHEET NO. 42

SCALE: HOR: 1" = 400' VER: 1" = 40'



20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2355+00.00 TO STA 2395+97.40

ALIGNMENT I-10

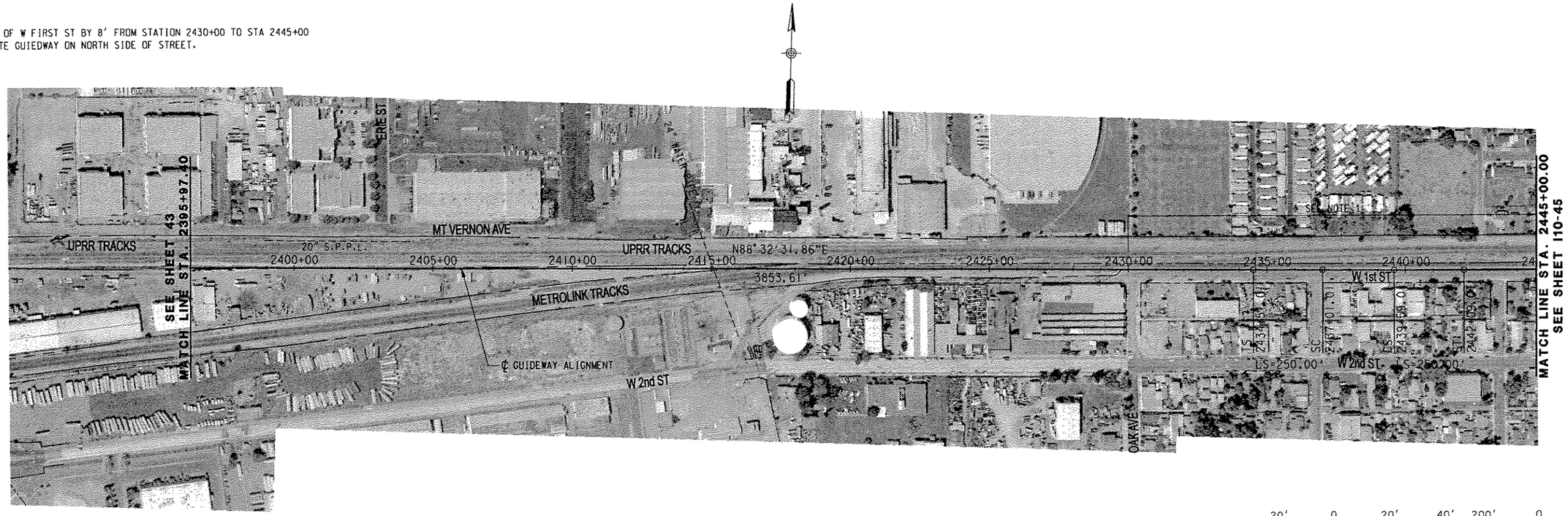
PART PART 1

REVISION

SHEET NO. 43

SCALE: HOR: 1" = 400' VER: 1" = 40'

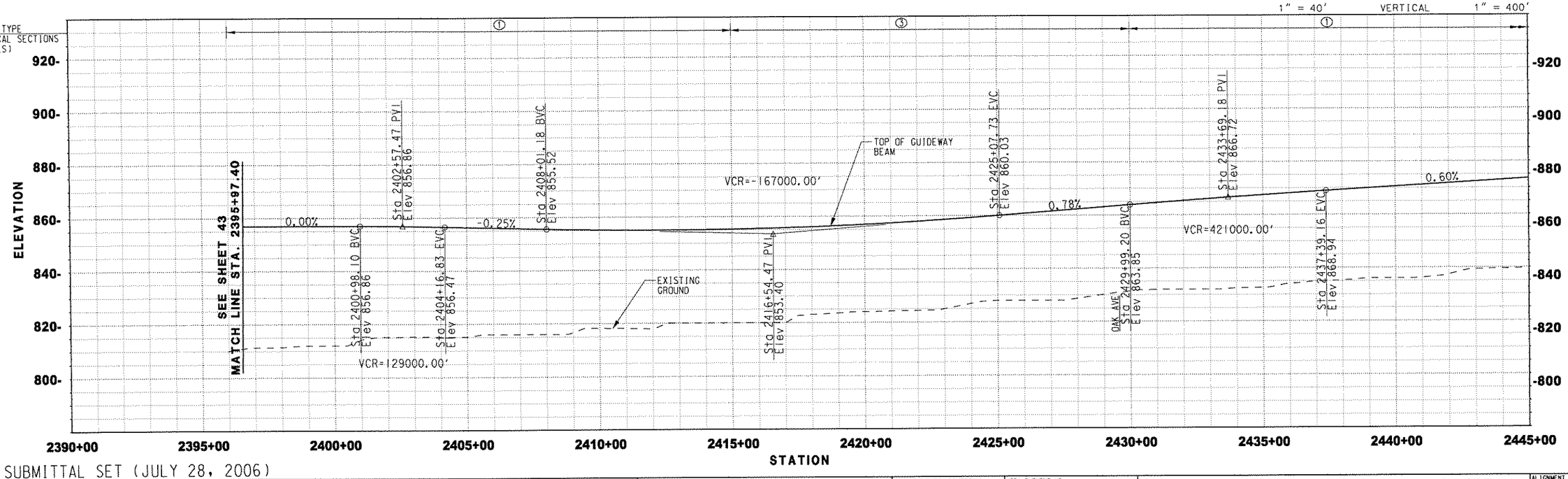
NOTE:
1. REDUCE WIDTH OF W FIRST ST BY 8' FROM STATION 2430+00 TO STA 2445+00 TO ACCOMMODATE GUIEDWAY ON NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY / SUB.	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2395+97.40 TO STA 2445+00.00

ALIGNMENT I-10

PART PART 1

REVISION

SHEET NO. 44

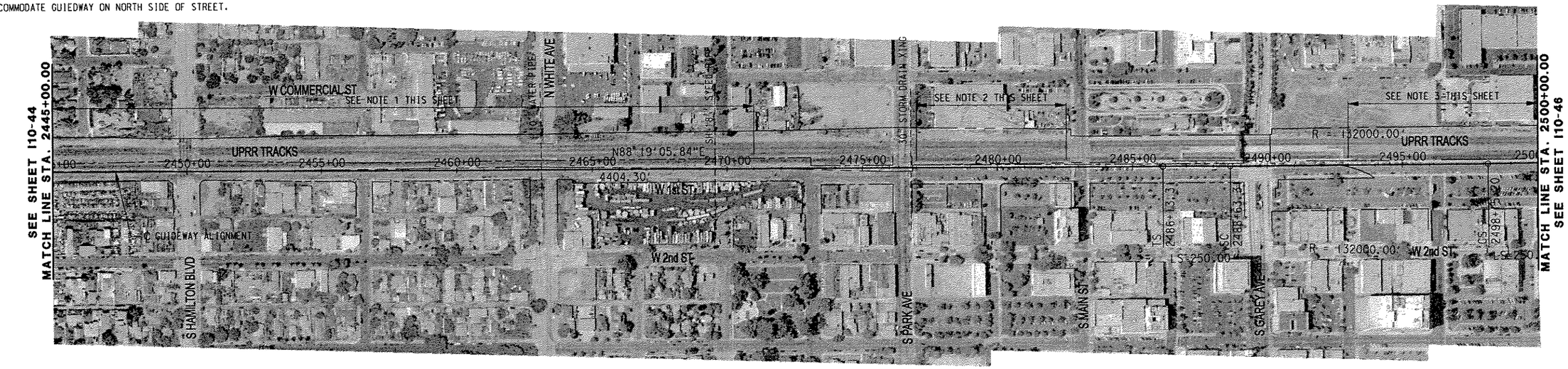
SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: BUSCHNAME$ Date Plotted: 7/31/2006 4:39:14 PM Filename: J:\mlep\plans\BIMEL-CNT_Pn2\Drawings\I-10_44.dwg

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATOR | PARTIAL SHEET | LEVEL

NOTES:

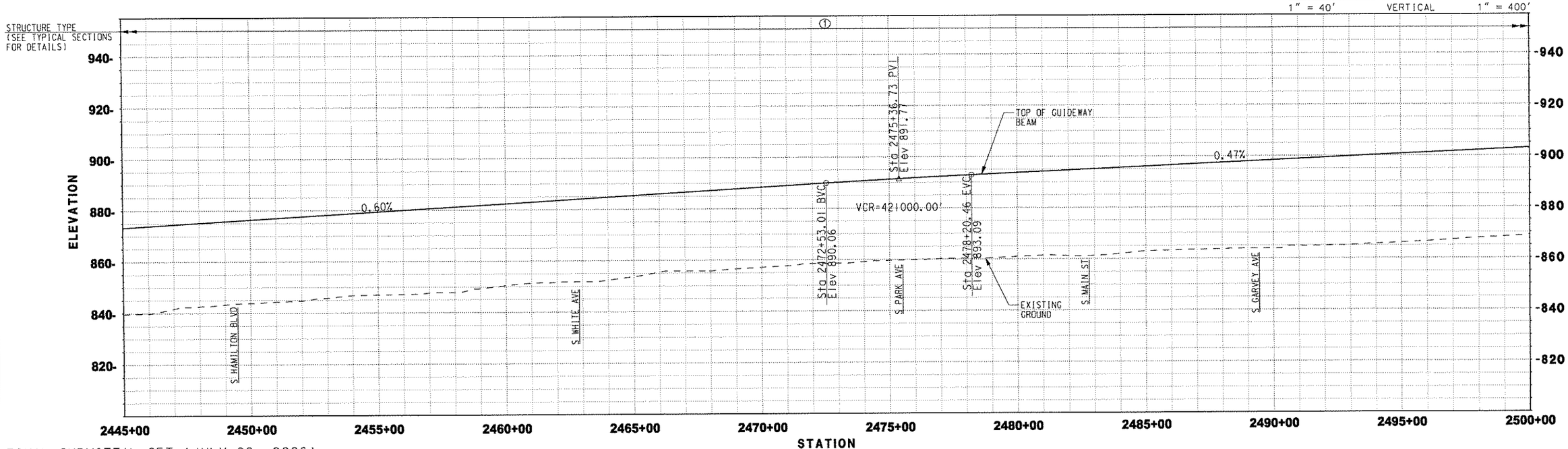
1. REDUCE WIDTH OF W FIRST ST BY 8' FROM STATION 2445+00 TO STA 2471+00 TO ACCOMMODATE GUIEDWAY ON NORTH SIDE OF STREET.
2. REDUCE WIDTH OF W FIRST ST BY 8' FROM STATION 2477+00 TO STA 2482+50 TO ACCOMMODATE GUIEDWAY ON NORTH SIDE OF STREET.
3. REDUCE WIDTH OF W FIRST ST BY 8' FROM STATION 2493+90 TO STA 2500+00 TO ACCOMMODATE GUIEDWAY ON NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2445+00.00 TO STA 2500+00.00

ALIGNMENT I-10

PART PART 1

REVISION

SHEET NO. 45

SCALE: HOR: 1" = 400' VER: 1" = 40'

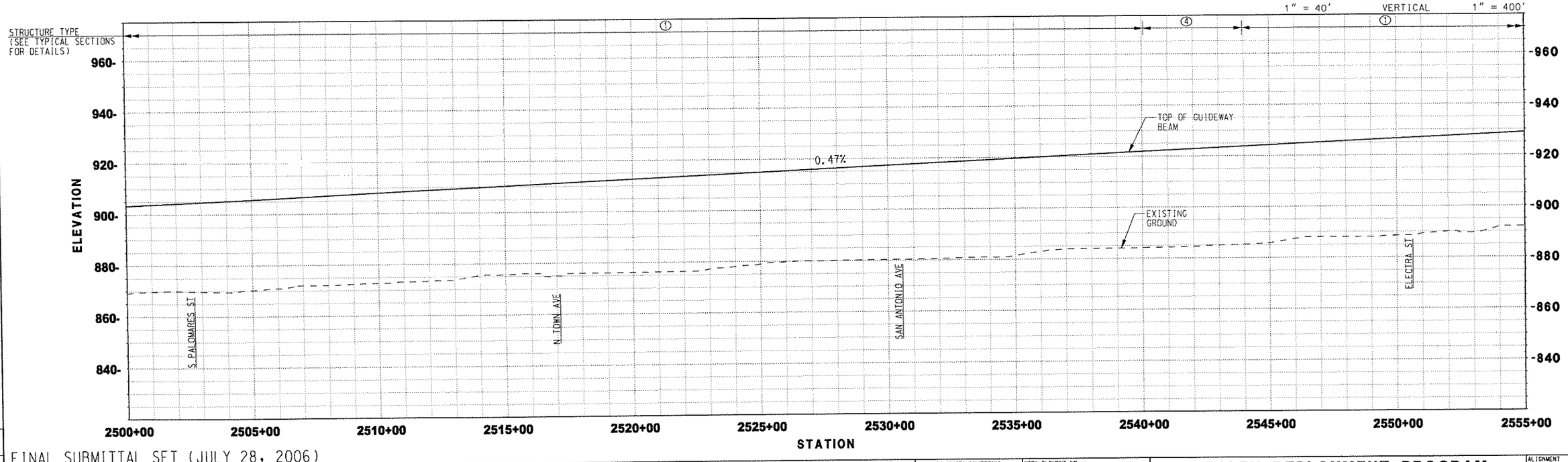
NOTES:

1. REDUCE WIDTH OF W FIRST ST BY 8' FROM STA 2500+00 TO STA 2515+65 TO ACCOMMODATE GUIEDWAY COLUMNS ON NORTH SIDE OF STREET.
2. REDUCE WIDTH OF W FIRST ST BY 8' FROM STA 2516+00 TO STA 2540+00 TO ACCOMMODATE GUIEDWAY COLUMNS ON NORTH SIDE OF STREET.
3. REDUCE WIDTH OF W FIRST ST BY 8' FROM STA 2549+00 TO STA 2555+00 TO ACCOMMODATE GUIEDWAY COLUMNS ON NORTH SIDE OF STREET.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/GEOTECHNICAL ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2500+00.00 TO STA 2555+00.00

ALIGNMENT I-10

PART PART 1

REVISION

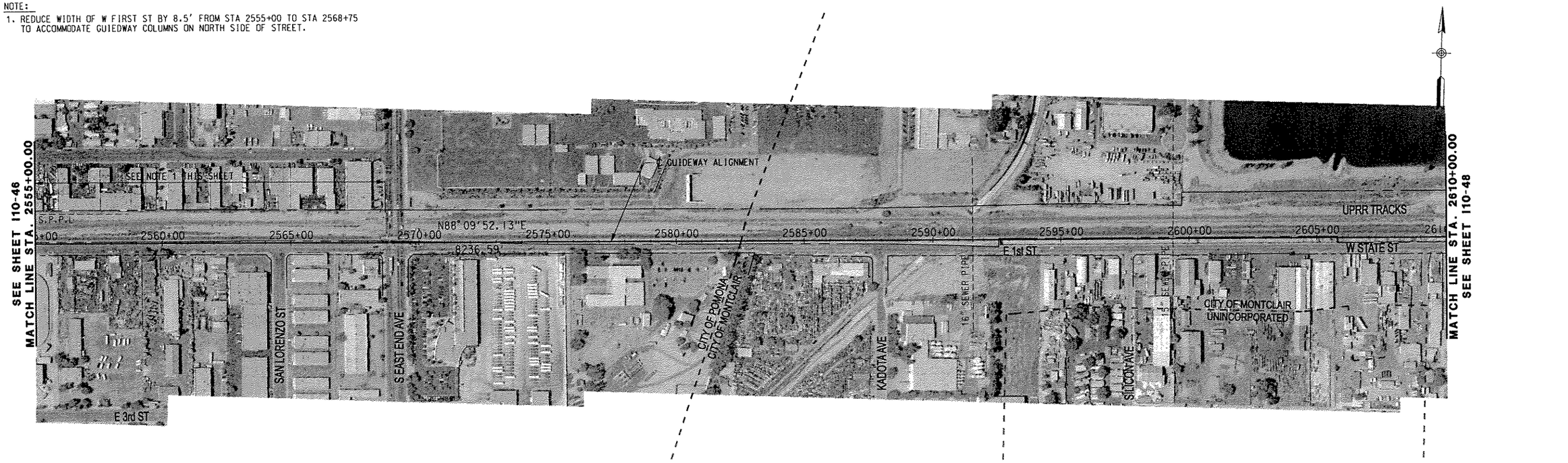
SHEET NO. 46

SCALE: HOR: 1" = 400' VER: 1" = 40'

User: BUSERNAME Date Plotted: 7-31-2006 4:39:47 PM File name: I:\engineering\pwi-cert-p02\drawings\i-10_46.dgn

WORK ELEMENT | PHYSICAL ENTITY | CONTRACT DESIGNATION | LINE ITEM | COST ELEMENT | PROJECT NUMBER

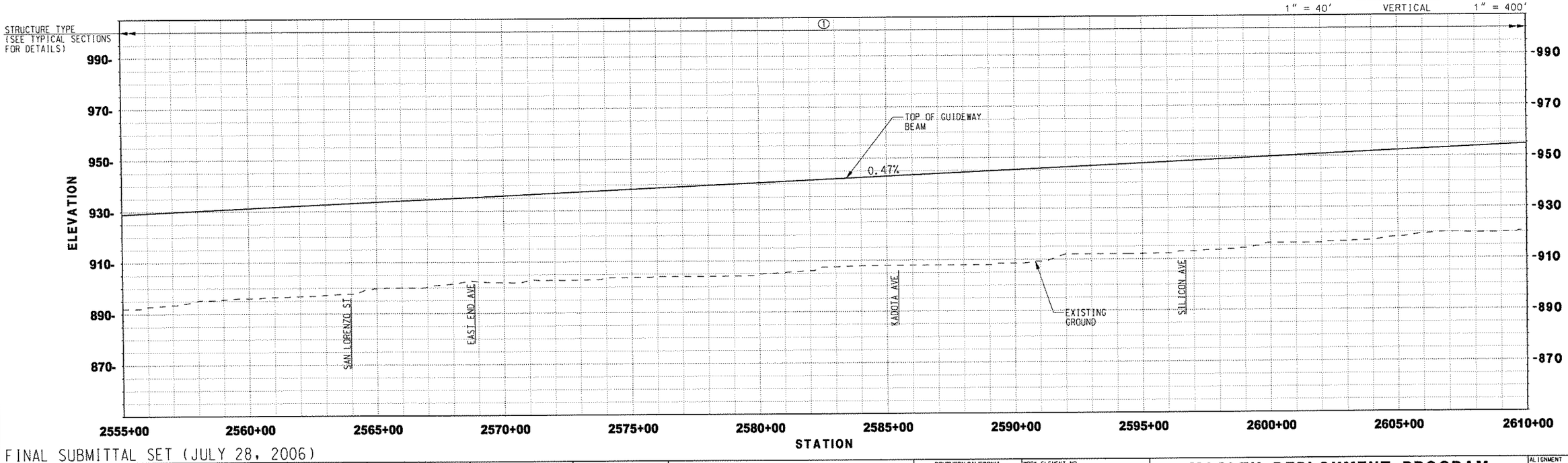
NOTE:
1. REDUCE WIDTH OF W FIRST ST BY 8.5' FROM STA 2555+00 TO STA 2568+75 TO ACCOMMODATE GUIEDWAY COLUMNS ON NORTH SIDE OF STREET.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2555+00.00 TO STA 2610+00.00

ALIGNMENT I-10

PART PART 1

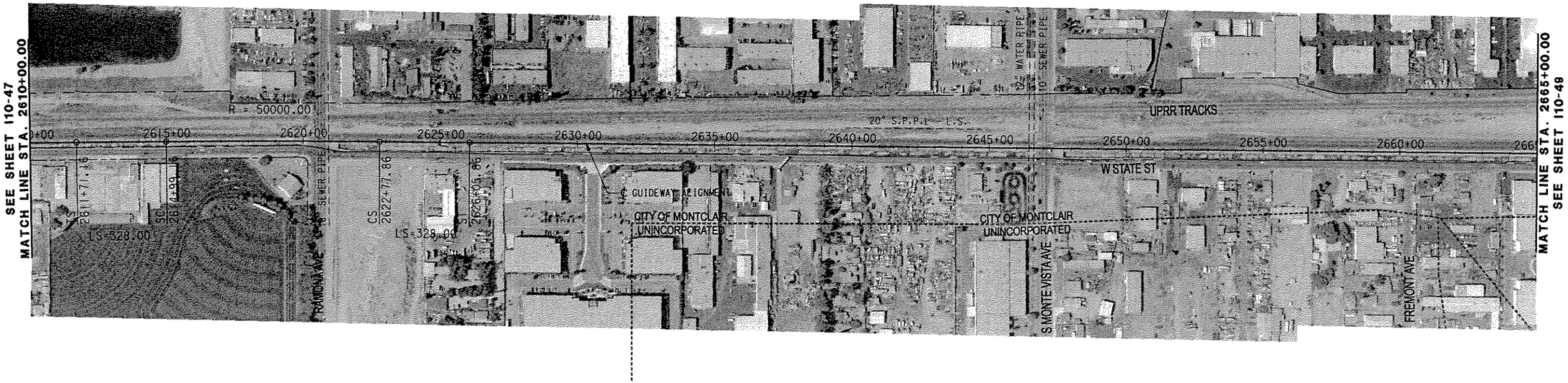
REVISION

SHEET NO. 47

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: SUSERNAME 4:40:01 PM
Date Plotted: 7/31/2006
Filename: J:\mlw\projects\bi\mlw-crt.pn2\drawings\ml-10_47.prt

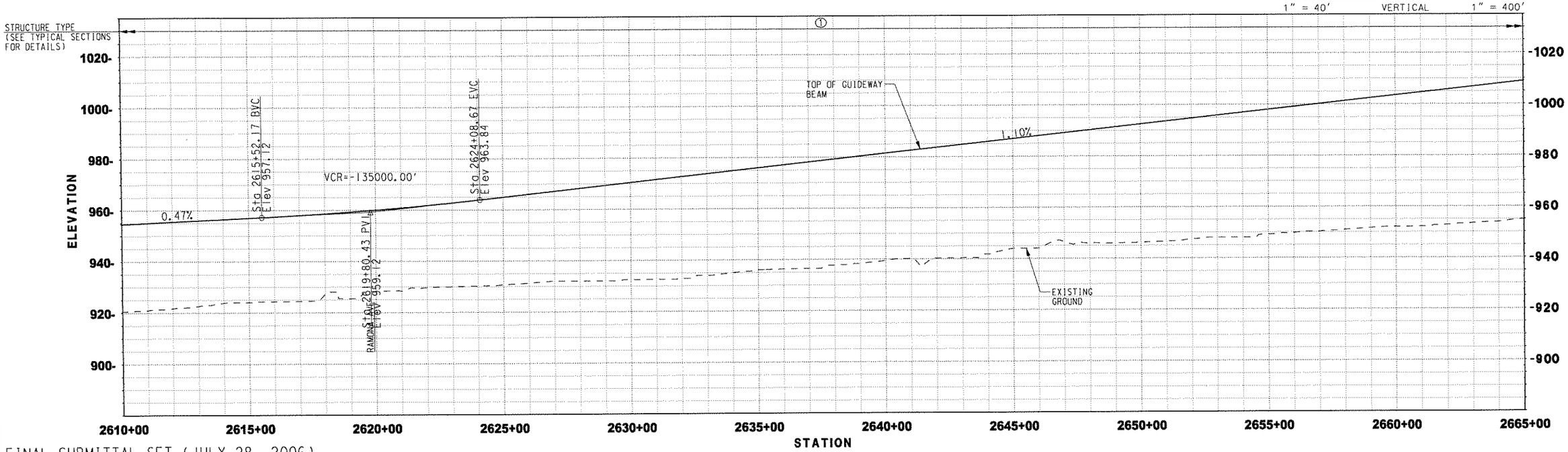
PROJECT NUMBER | CONT. CLEARANCE | LINE CONTRACT | ESTIMATOR | PHOTOCAL | PHOTOCAL | WORK CLEARANCE



PLAN

20' 0 20' 40' — 1" = 40' VERTICAL

200' 0 200' 400' — 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2610+00.00 TO STA 2665+00.00

ALIGNMENT I-10

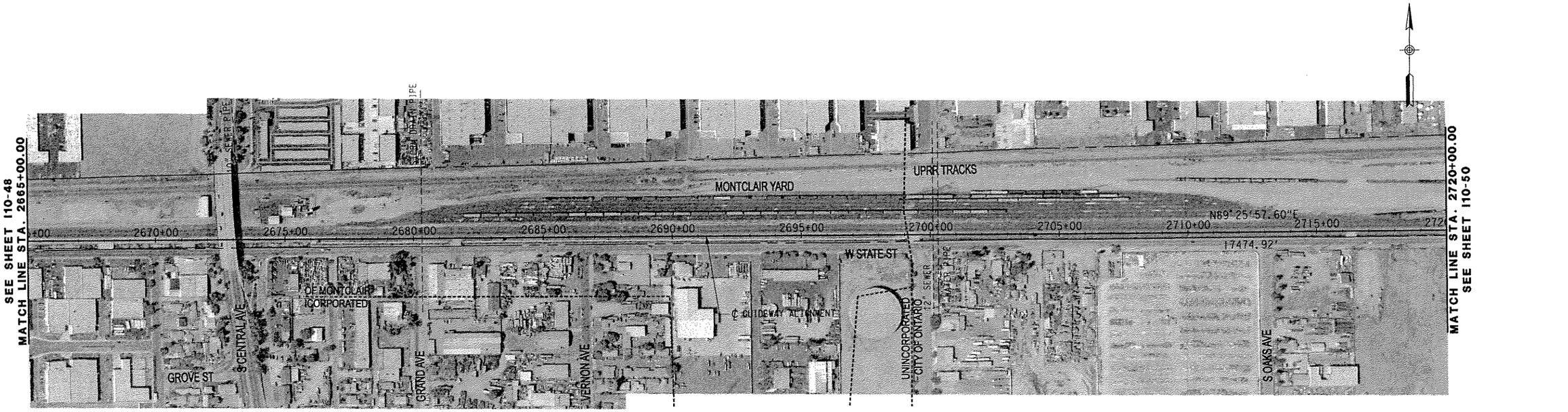
PART PART 1

REVISION

SHEET NO. 48

SCALE: HOR: 1" = 400' VER: 1" = 40'

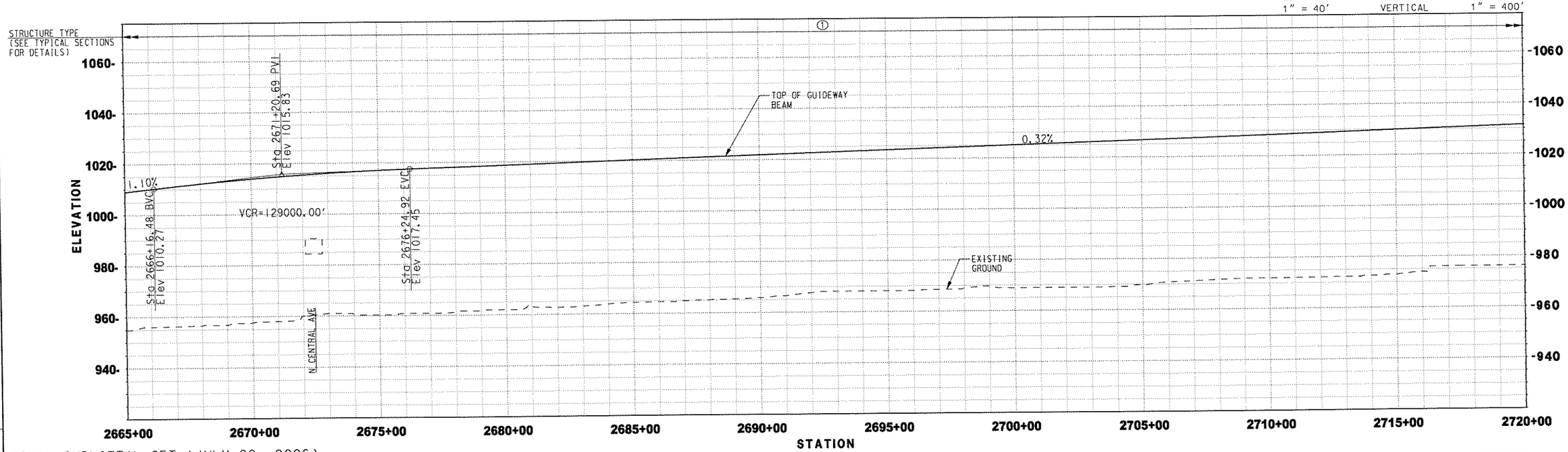
User: RUSEHWAGE
Date Plotted: 7/31/2006 3:09:25 PM
Filename: j:\alterprojects\ibi\maglev\pm2\dwg\guideway\i-10_48.dwg



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2665+00.00 TO STA 2720+00.00

ALIGNMENT I-10

PART PART 1

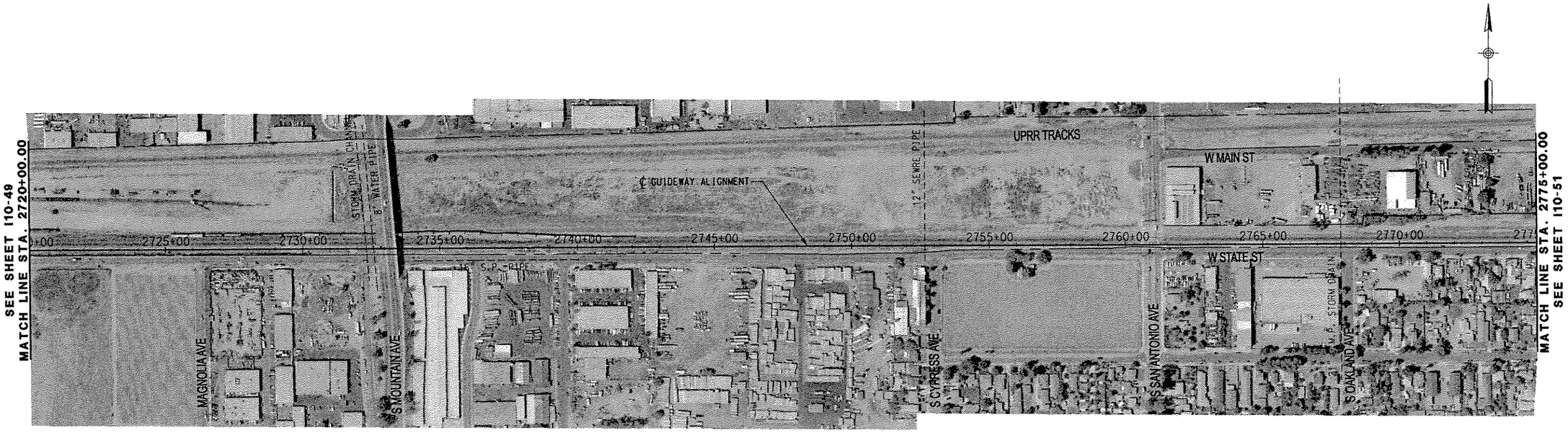
REVISION

SHEET NO. 49

SCALE: HOR: 1" = 400' VER: 1" = 40'

User: BUSERNAME
Date Plotted: 7/31/2006 3:09:19 PM
F:\Common\I10-Maglev\Alternatives\Alt-Alt\Drawings\I-10_49.dgn

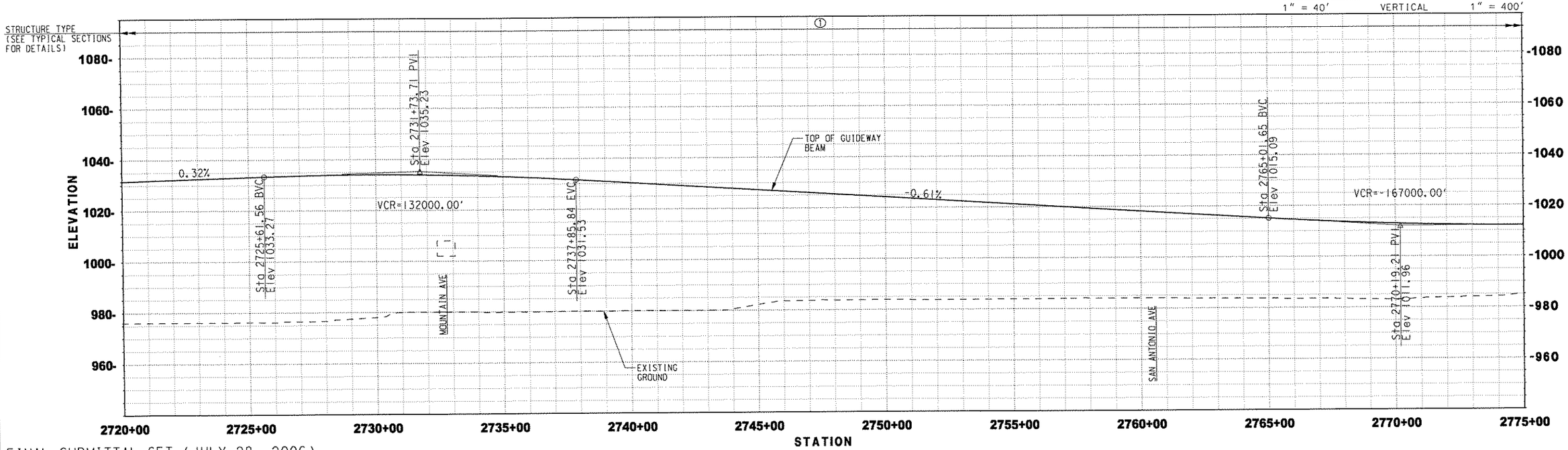
PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential; said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

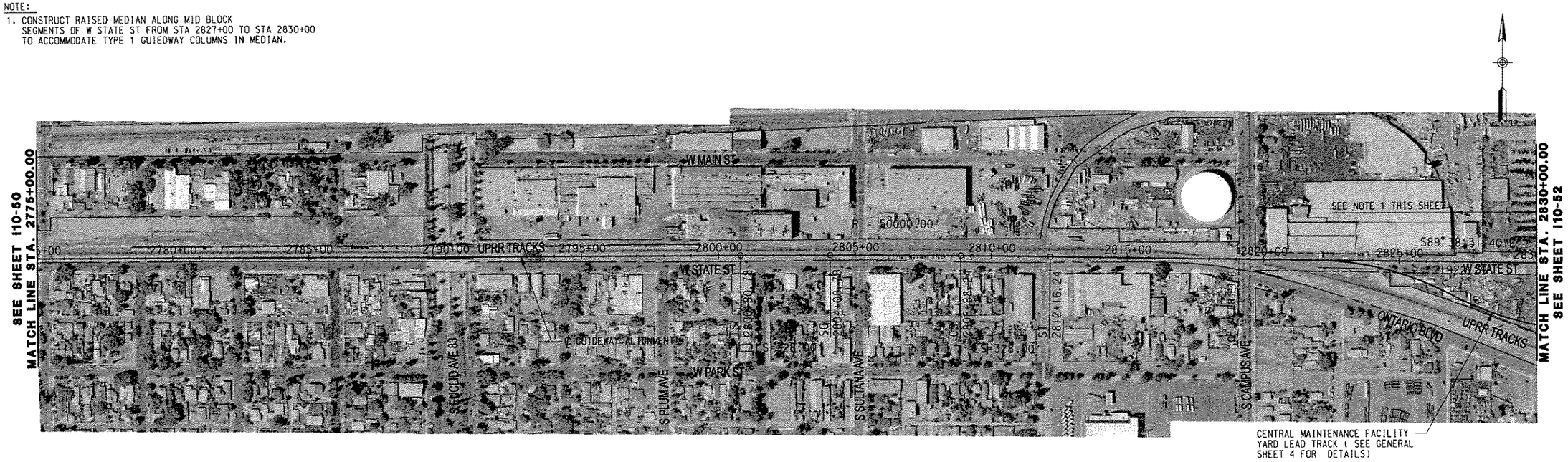
FROM STA 2720+00.00 TO STA 2775+00.00

ALIGNMENT	I-10
PART	PART 1
REVISION	
SHEET NO.	50
SCALE:	HOR: 1" = 400' VER: 1" = 40'

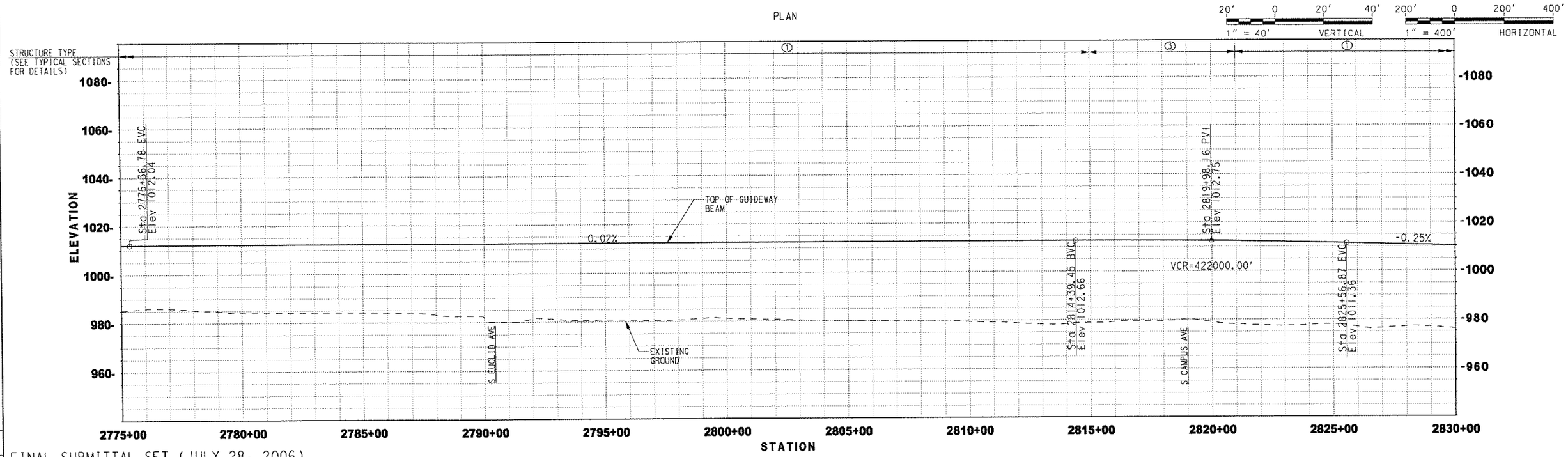
User: RUSCHMANN
Date Plotted: 7/31/2006 3:09:55 PM
Filename: j:\aerial\acsam\bl\mle-rpt_p02\drawings\i-10_50.dgn

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATION	PHYSICAL DATE	ELEM. ELEMENT

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF W STATE ST FROM STA 2827+00 TO STA 2830+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS IN MEDIAN.



PLAN



FINAL SUBMITTAL SET (JULY 28, 2006)

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MAGLEV TURNING THE VISION INTO REALITY

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WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2775+00.00 TO STA 2830+00.00

ALIGNMENT I-10

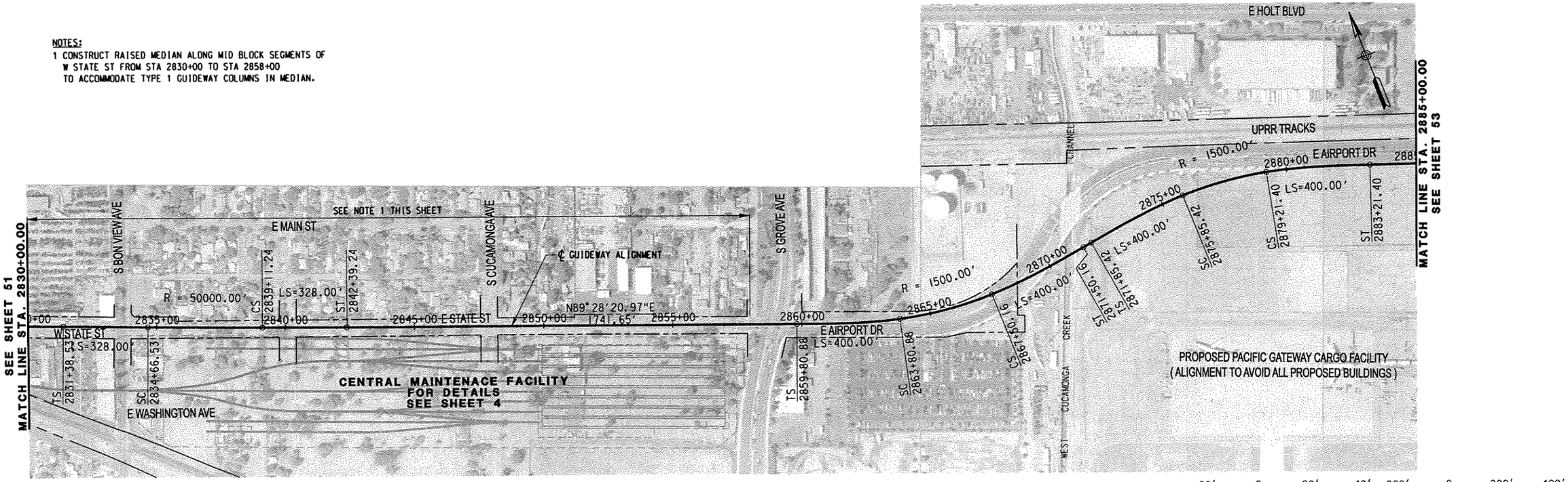
PART PART 1

REVISION

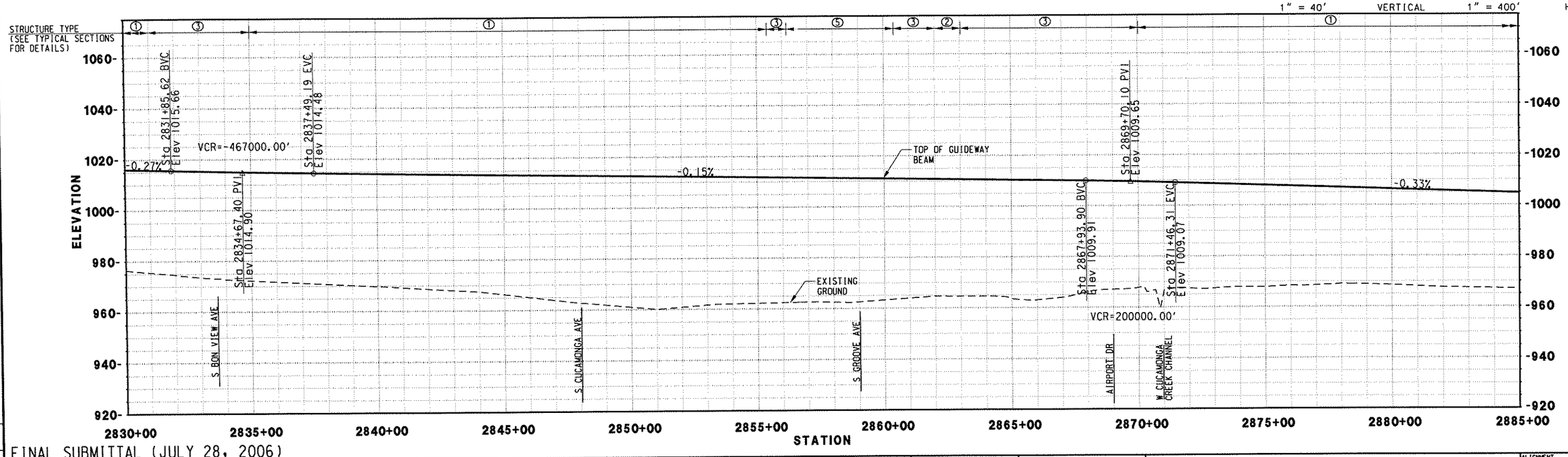
SHEET NO. 51

SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF W STATE ST FROM STA 2830+00 TO STA 2858+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS IN MEDIAN.



20' 0 20' 40' 1" = 40' VERTICAL
200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

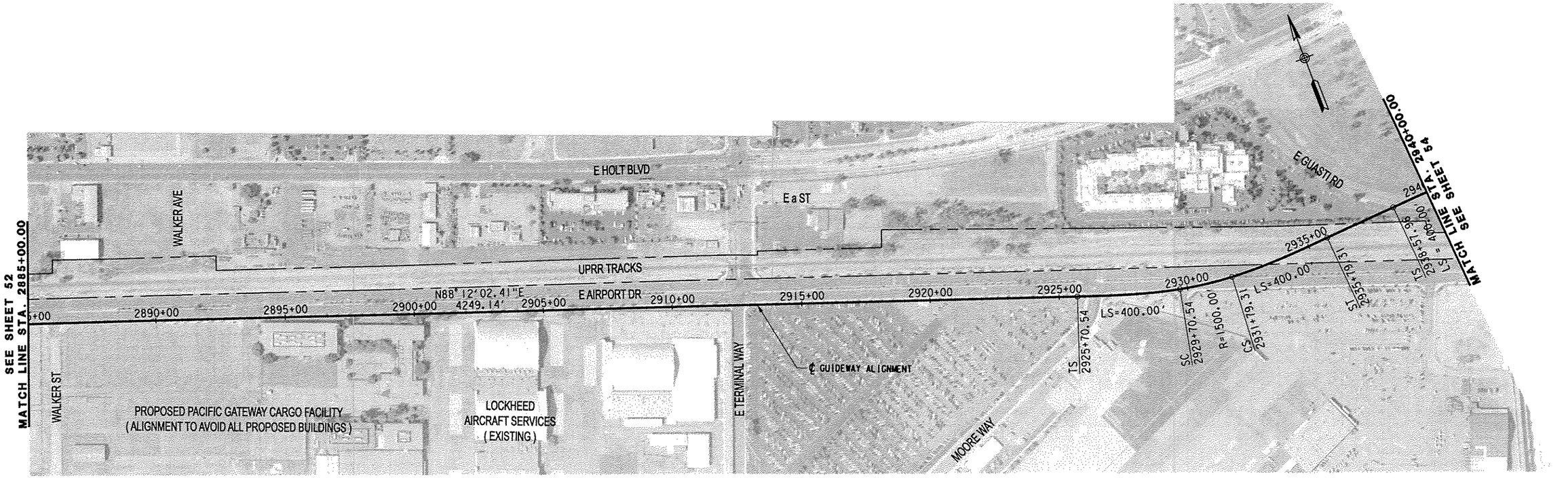
WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2830+00.00 TO STA 2885+00.00

ALIGNMENT I-10
PART PART 1
REVISION
SHEET NO. 52
SCALE: HOR: 1" = 400' VER: 1" = 40'

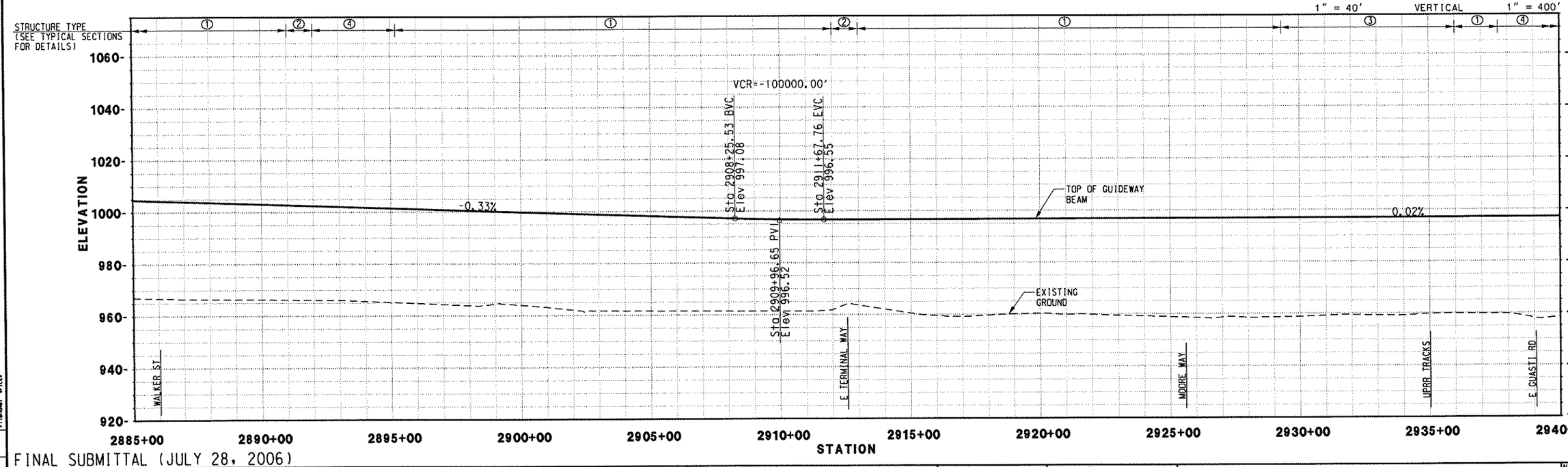
PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATOR | PHYSICAL ENTITY | WORK ELEMENT | USER NAME: Date Plotted: FILENAME: | MODIFIED BY | MODIFIED | STIMES



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2885+00.00 TO STA 2940+00.00

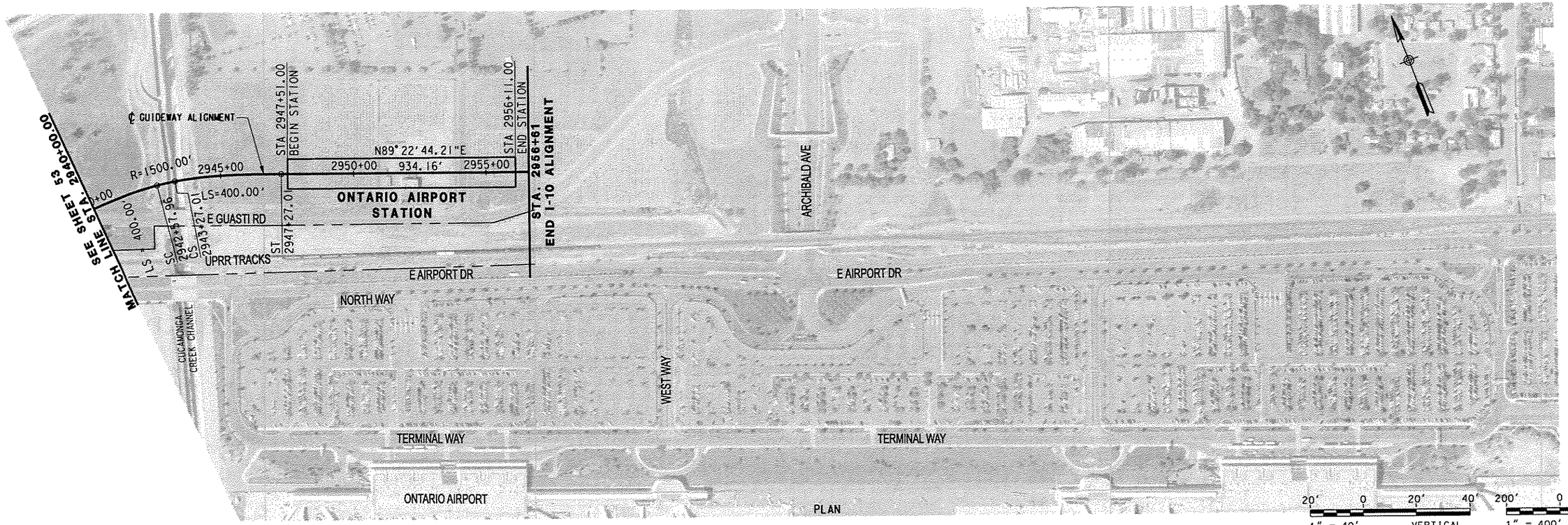
ALIGNMENT I-10

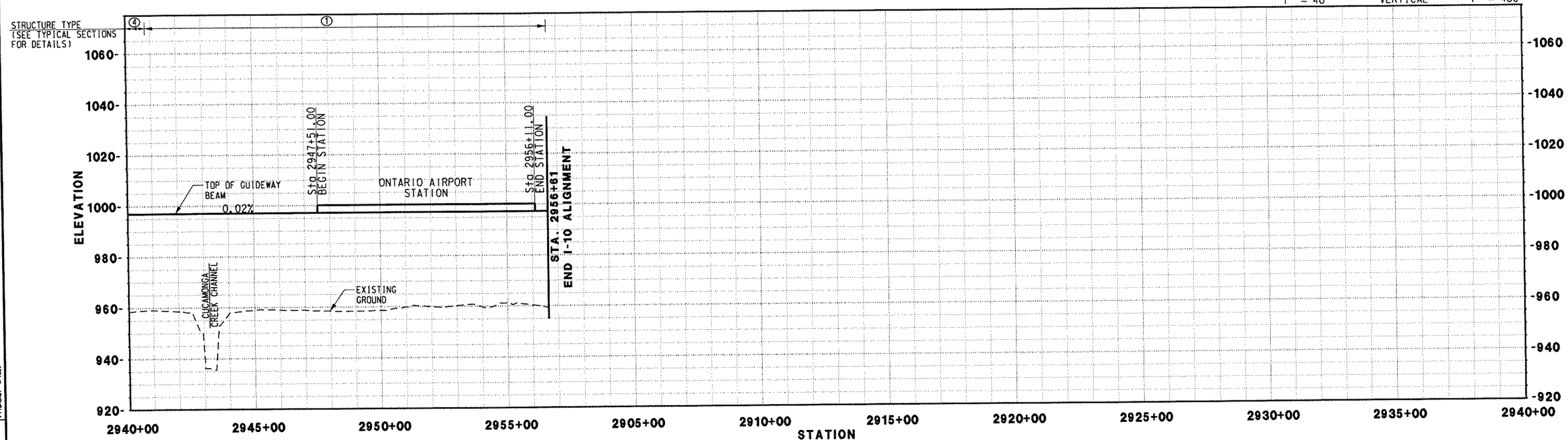
PART PART 1

REVISION

SHEET NO. 53

SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	CHK.	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2940+00.00 TO STA 2956+61.17

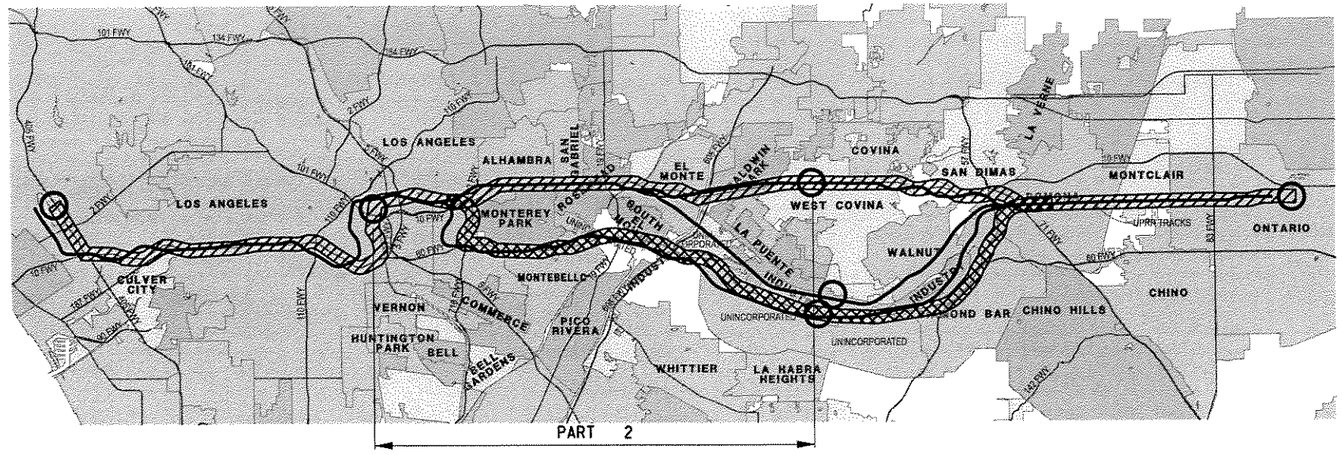
ALIGNMENT: I-10

PART: PART 1

REVISION

SHEET NO. 54

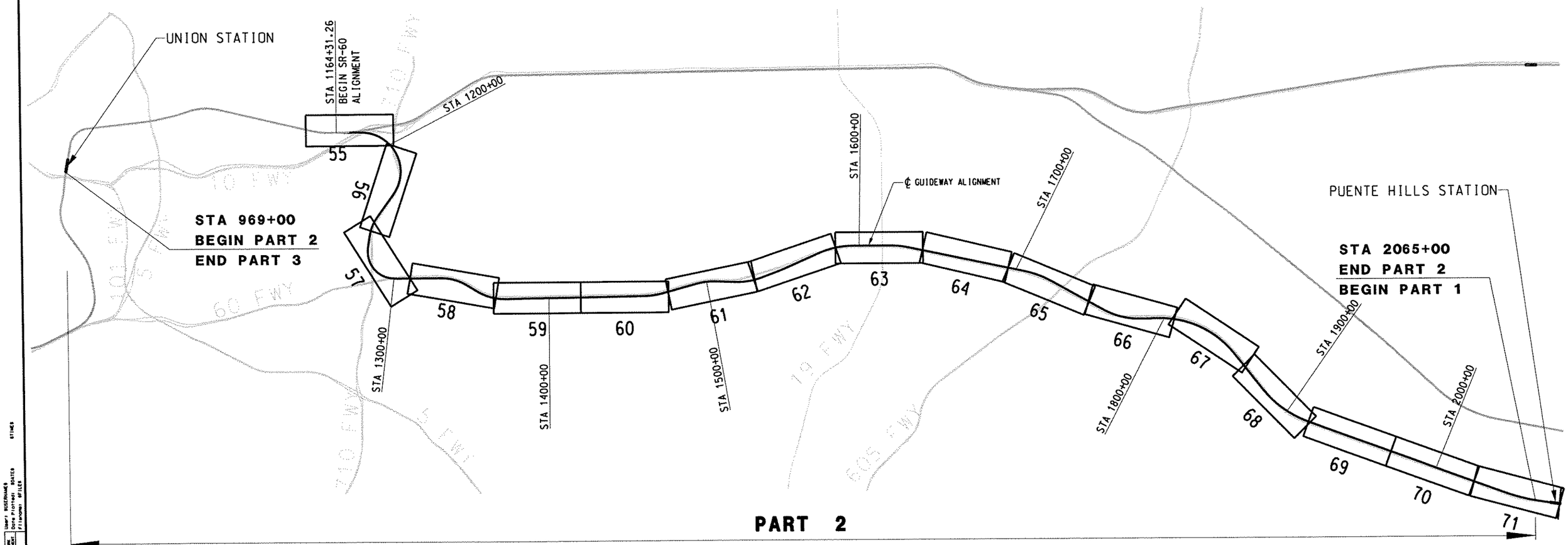
SCALE: HOR: 1" = 400' VER: 1" = 40'



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- SR-60 ALIGNMENT
- PLAN SHEET LIMITS
- ℄ I-10 ALIGNMENT & ℄ UPRR ALIGNMENT
- 3 PLAN SHEET NUMBER
- STATION



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MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
SR-60 ALIGNMENT
KEYMAP PLAN / PART 2

LA UNION PASSENGER TERMINAL TO SAN GABRIEL VALLEY

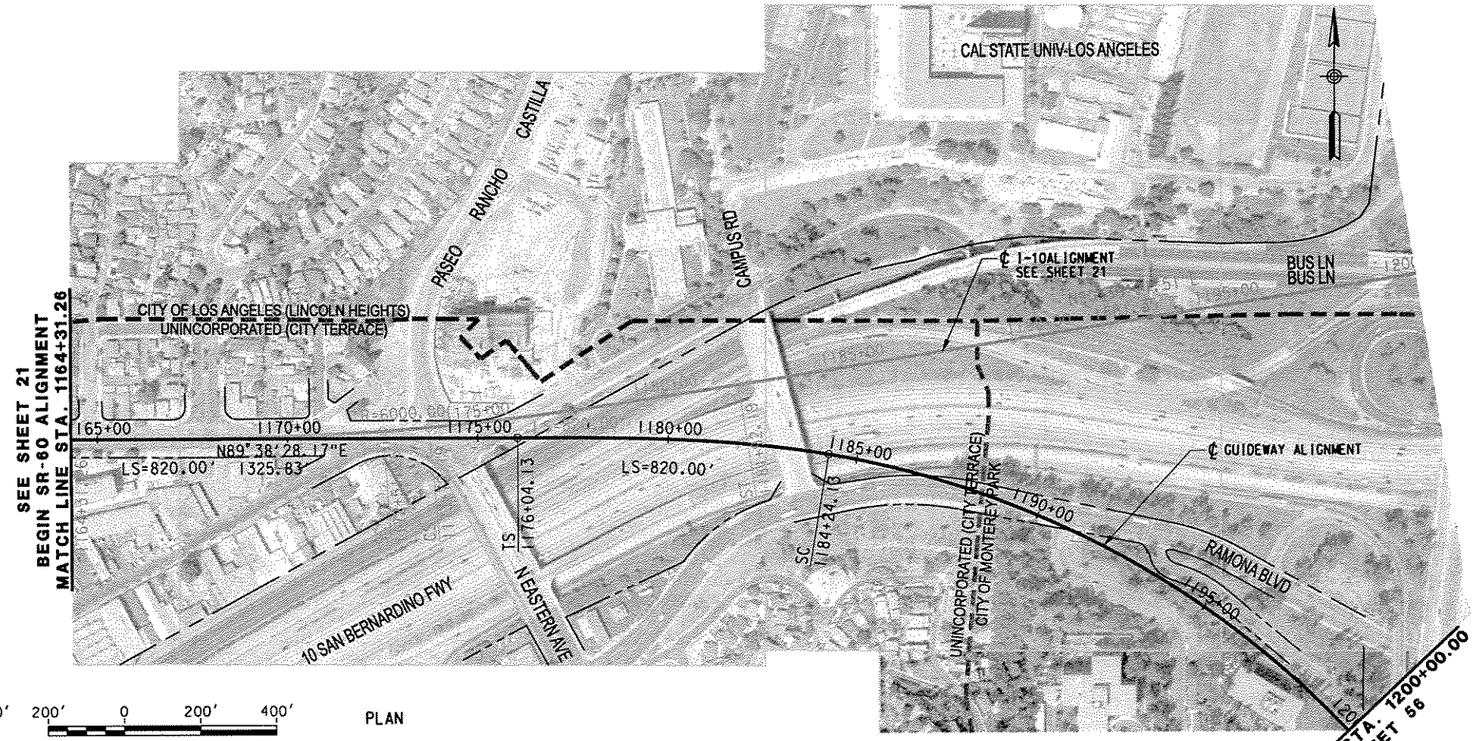
ALIGNMENT: SR-60

PART: PART 2

REVISION

SHEET NO. 1 OF 2

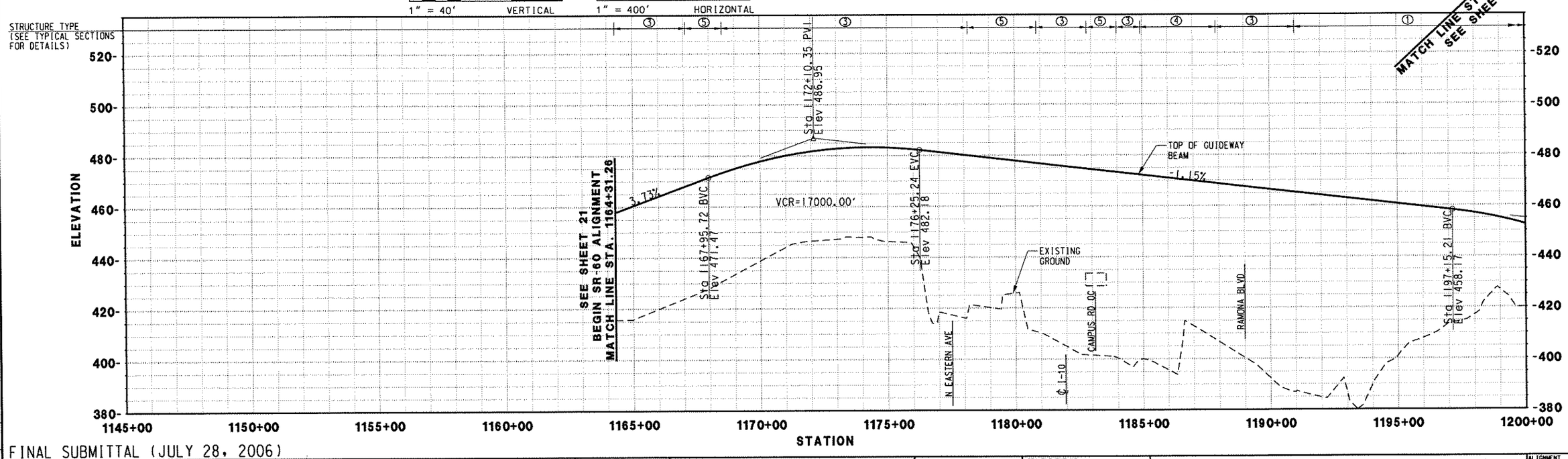
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' — 1" = 40' VERTICAL

200' 0 200' 400' — 1" = 400' HORIZONTAL



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WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1164+31.26 TO STA 1200+00.00

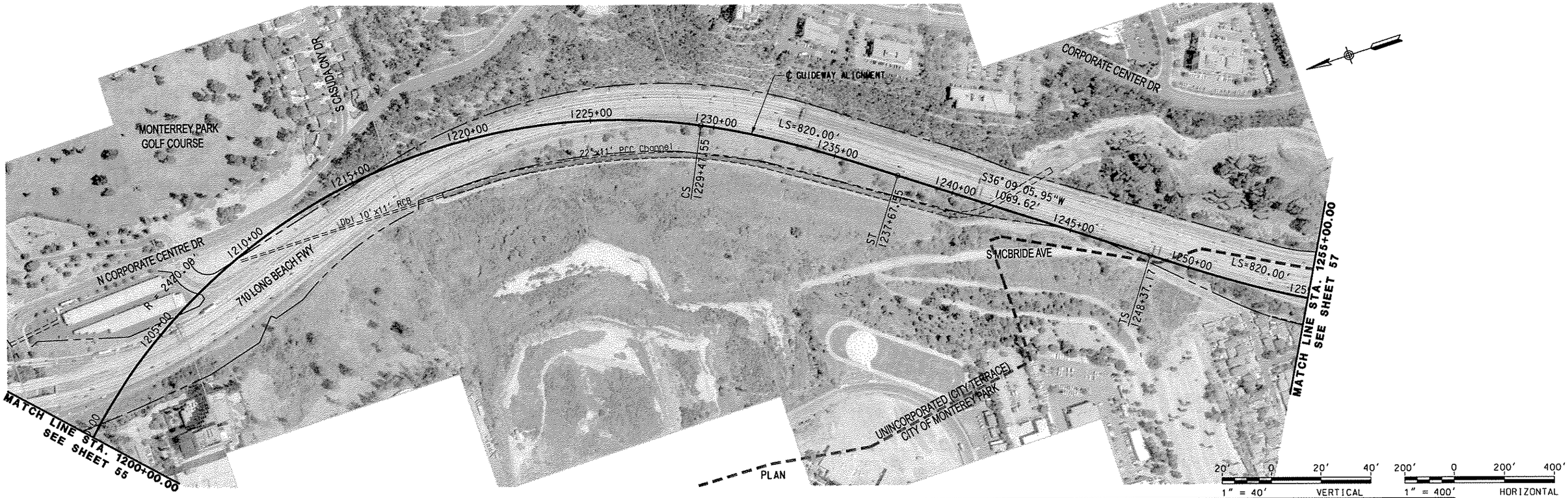
ALIGNMENT: SR-60

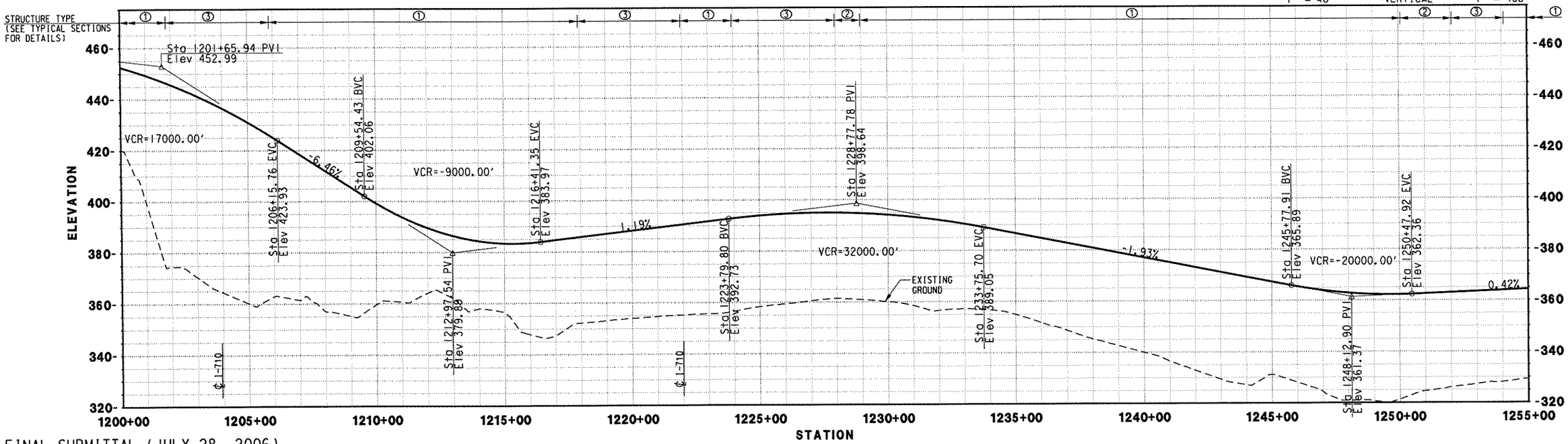
PART: PART 2

REVISION

SHEET NO. 55

SCALE: HOR: 1" = 400' VER: 1" = 40'





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MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1200+00.00 TO STA 1255+00.00

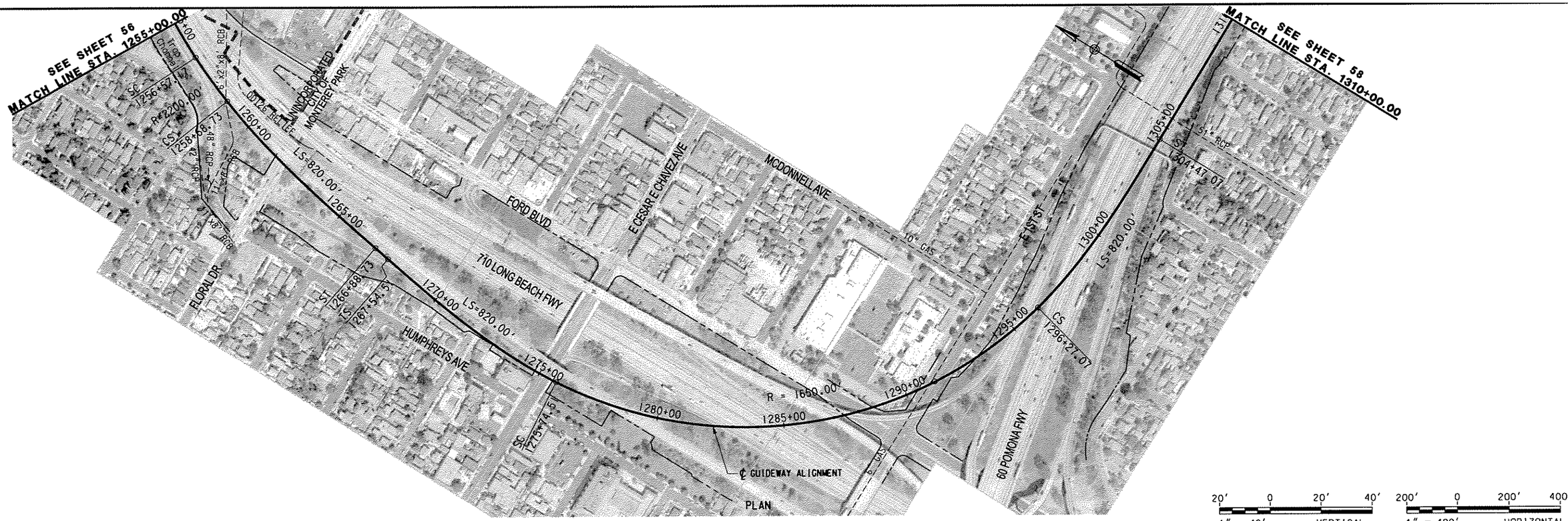
ALIGNMENT: SR-60

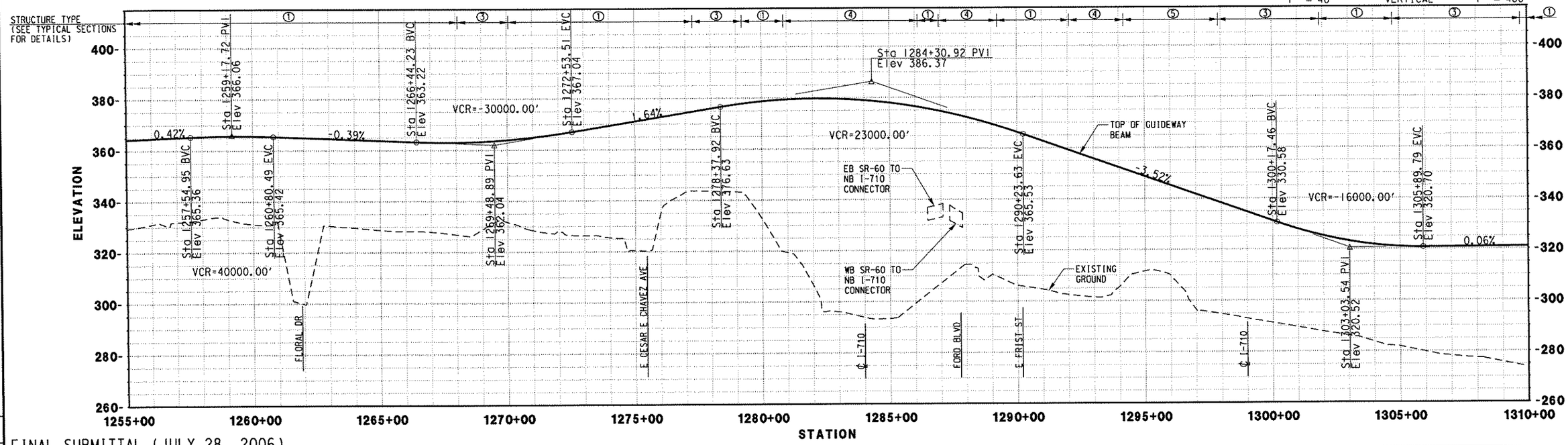
PART: PART 2

REVISION

SHEET NO. 56

SCALE: HOR: 1" = 400' VER: 1" = 40'





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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1255+00.00 TO STA 1310+00.00

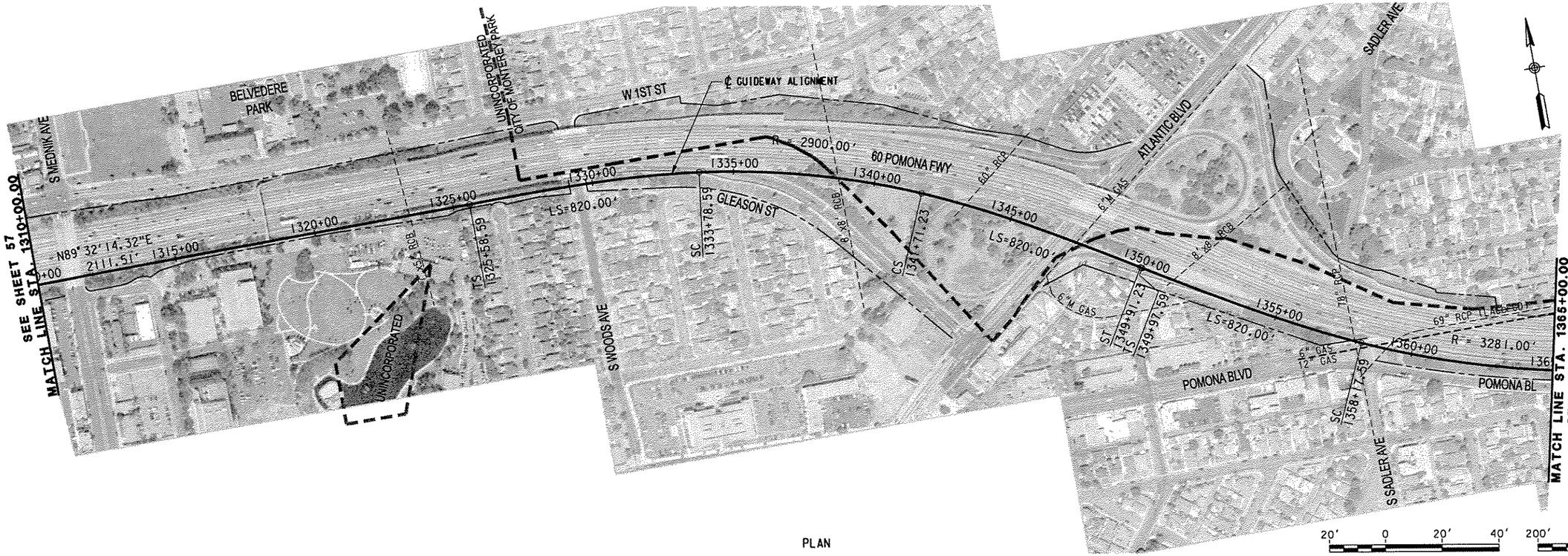
ALIGNMENT: SR-60

PART: PART 2

REVISION

SHEET NO. 57

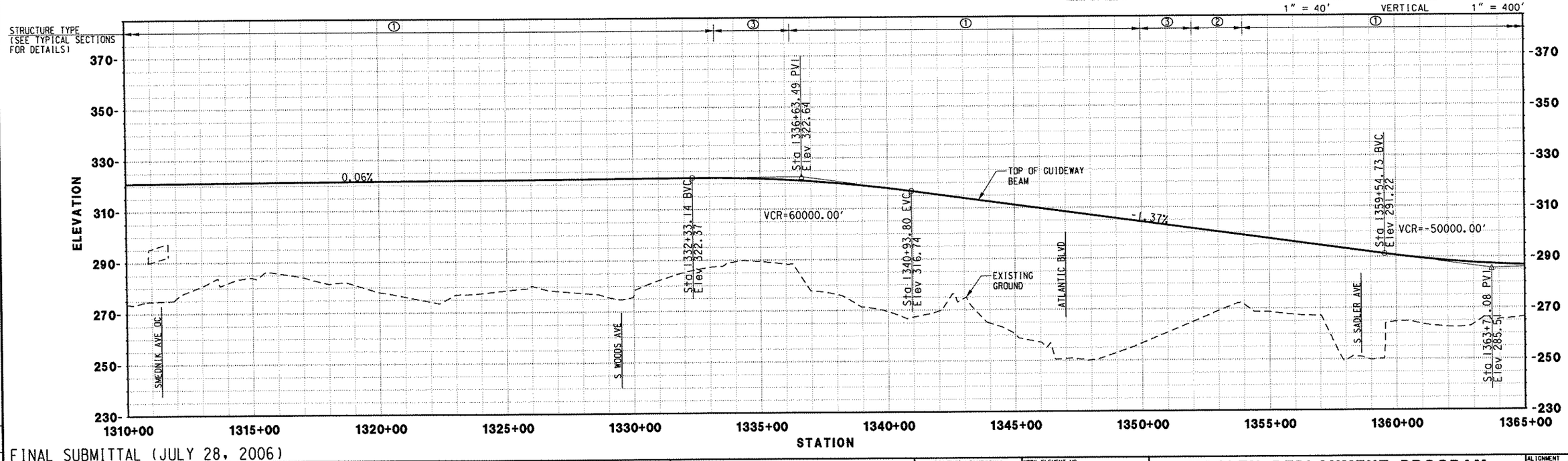
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

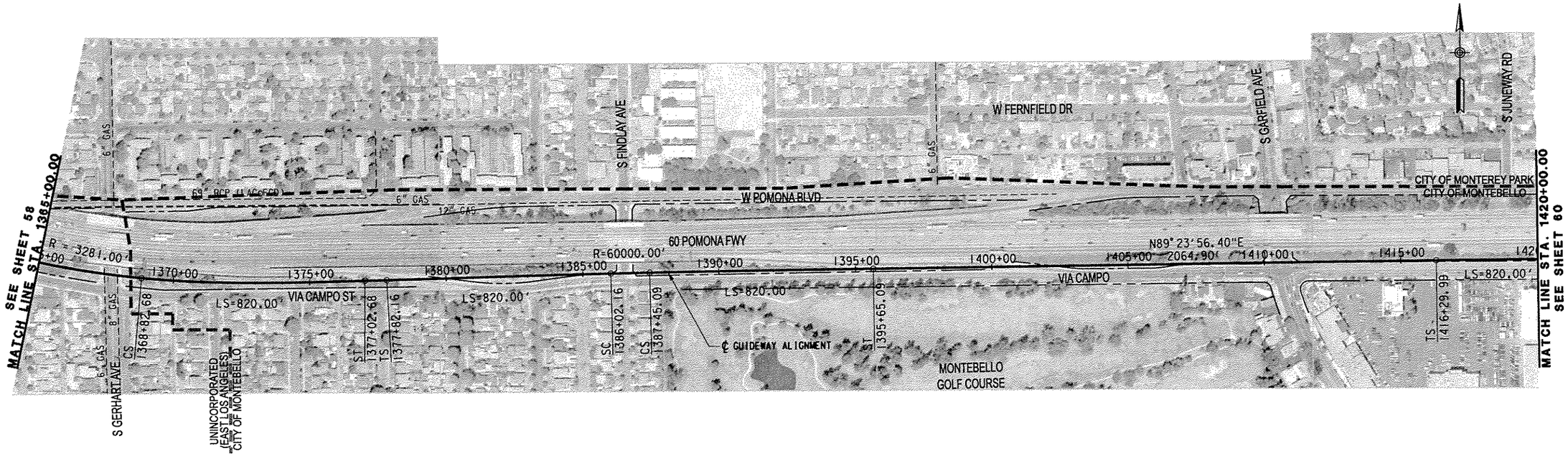
MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1310+00.00 TO STA 1365+00.00

ALIGNMENT SR-60

PART PART 2

REVISION | SHEET NO. 58

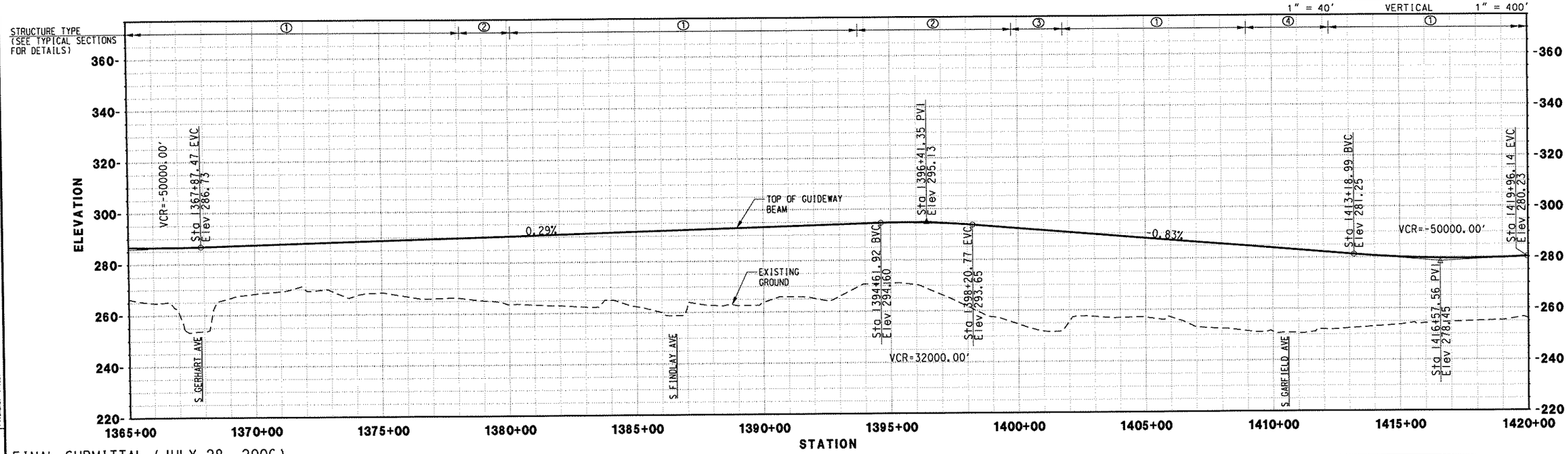
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DESIGNED BY	MC
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CHECKED BY	DCH
APPROVED BY	DCH
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IBI GROUP

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1365+00.00 TO STA 1420+00.00

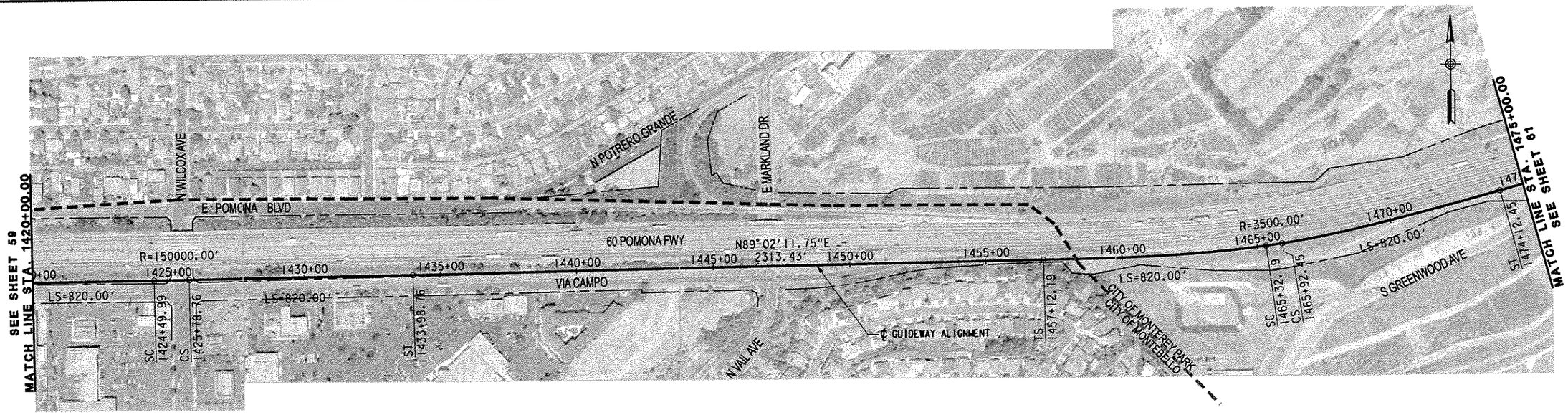
ALIGNMENT: SR-60

PART: PART 2

REVISION

SHEET NO. 59

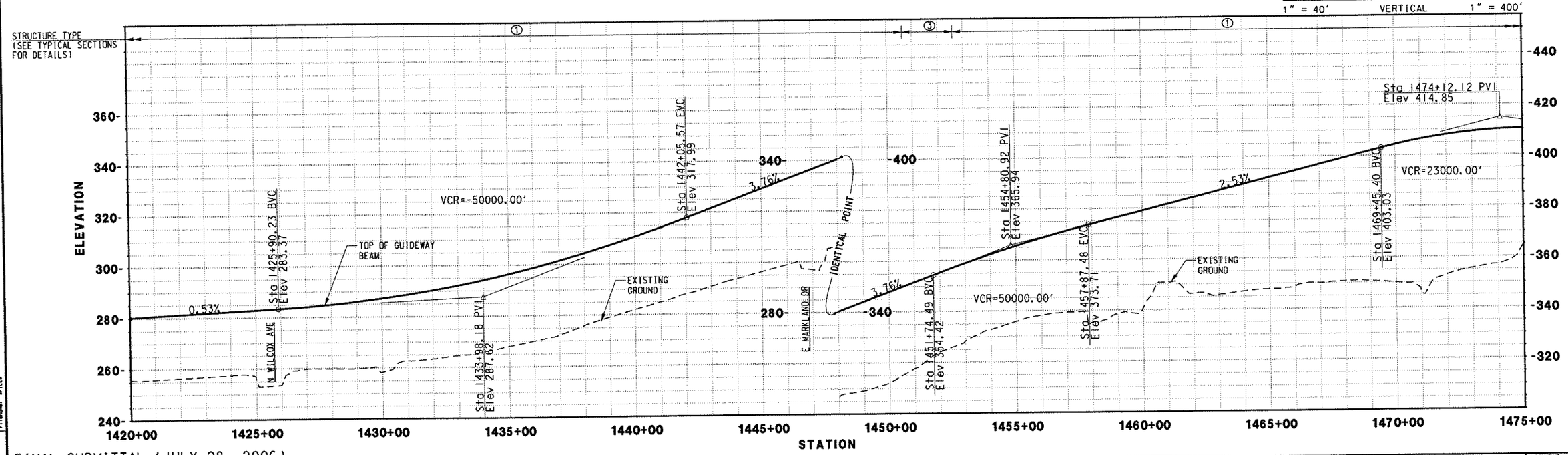
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1420+00.00 TO STA 1475+00.00

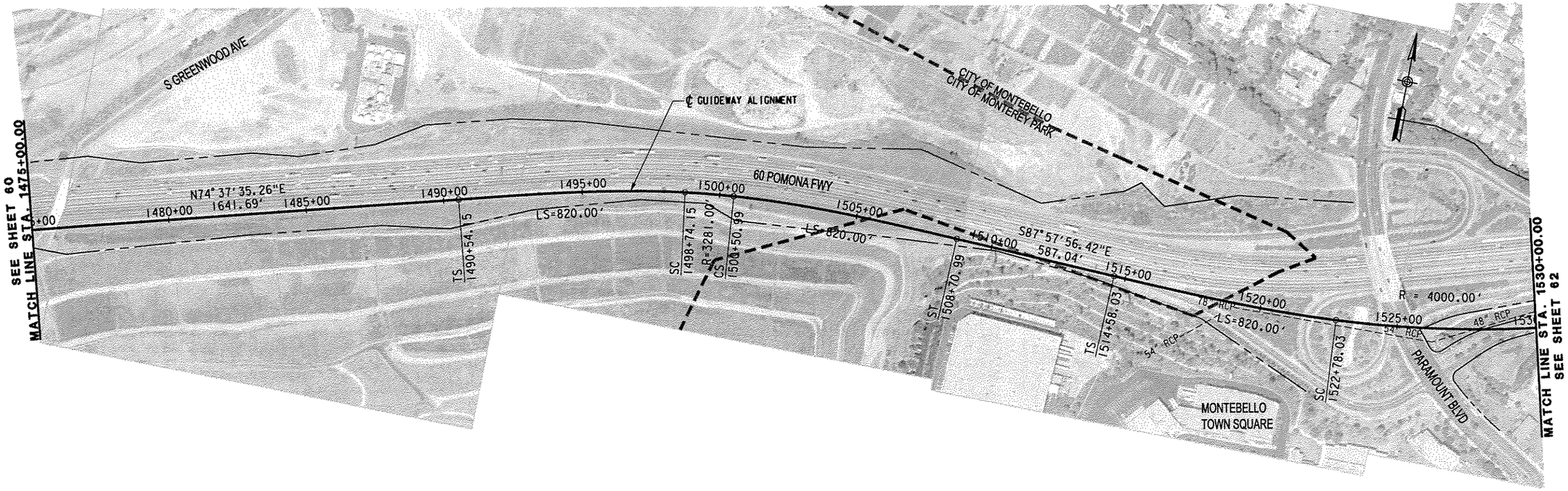
ALIGNMENT: SR-60

PART: PART 2

REVISION

SHEET NO. 60

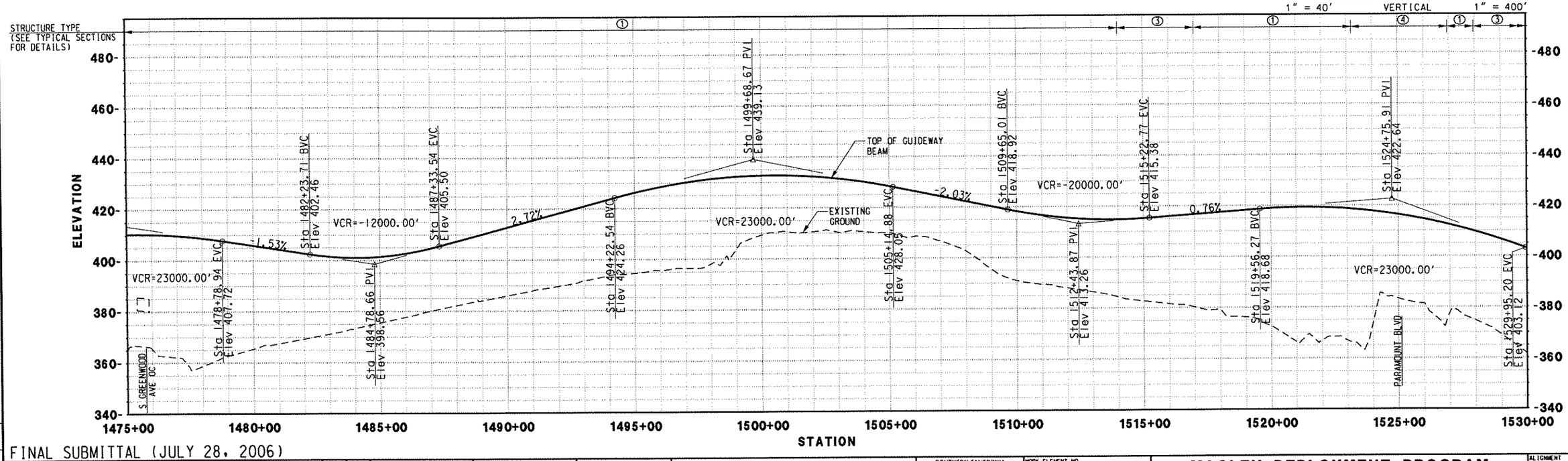
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1475+00.00 TO STA 1530+00.00

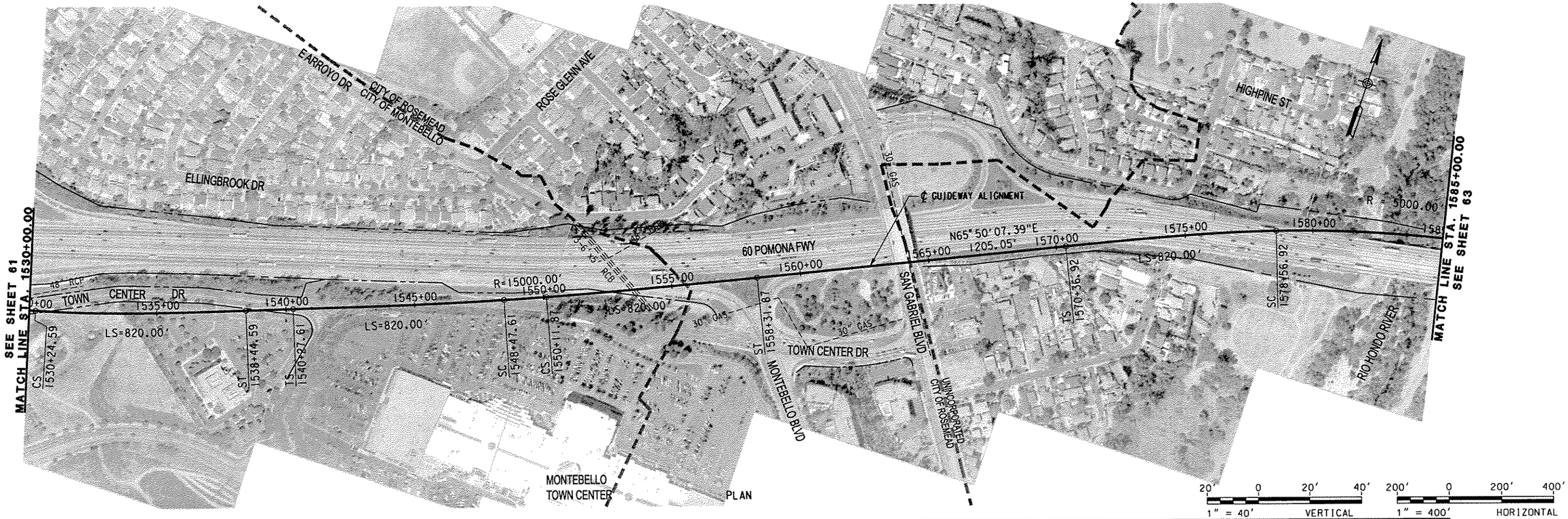
ALIGNMENT SR-60

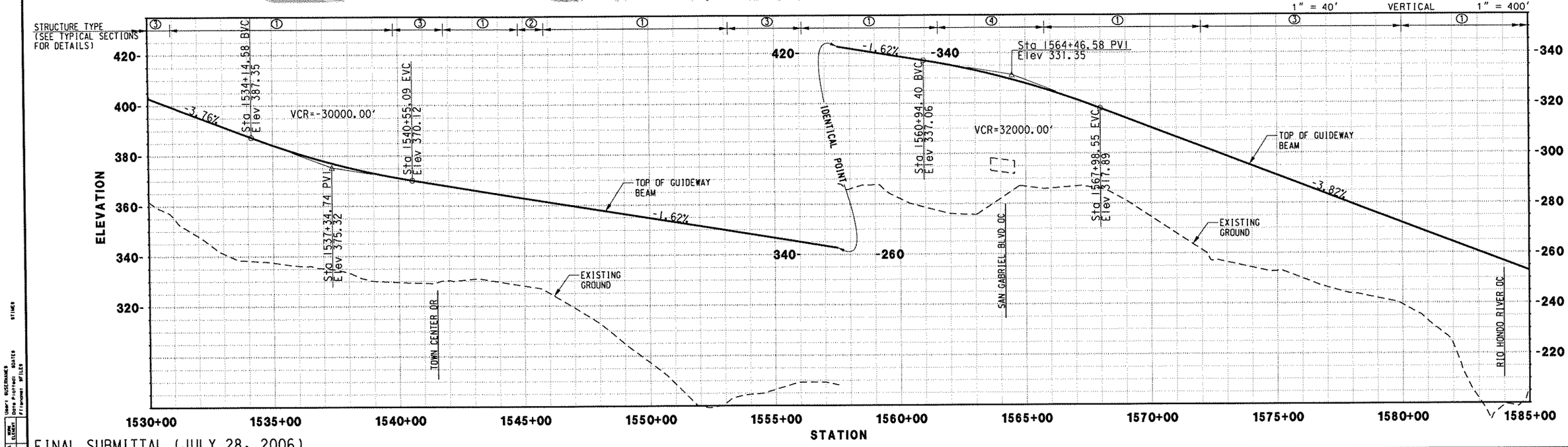
PART PART 2

REVISION

SHEET NO. 61

SCALE: HOR: 1" = 400' VER: 1" = 40'





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APPROVED BY	DCH
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IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1530+00.00 TO STA 1585+00.00

ALIGNMENT: SR-60

PART: PART 2

REVISION

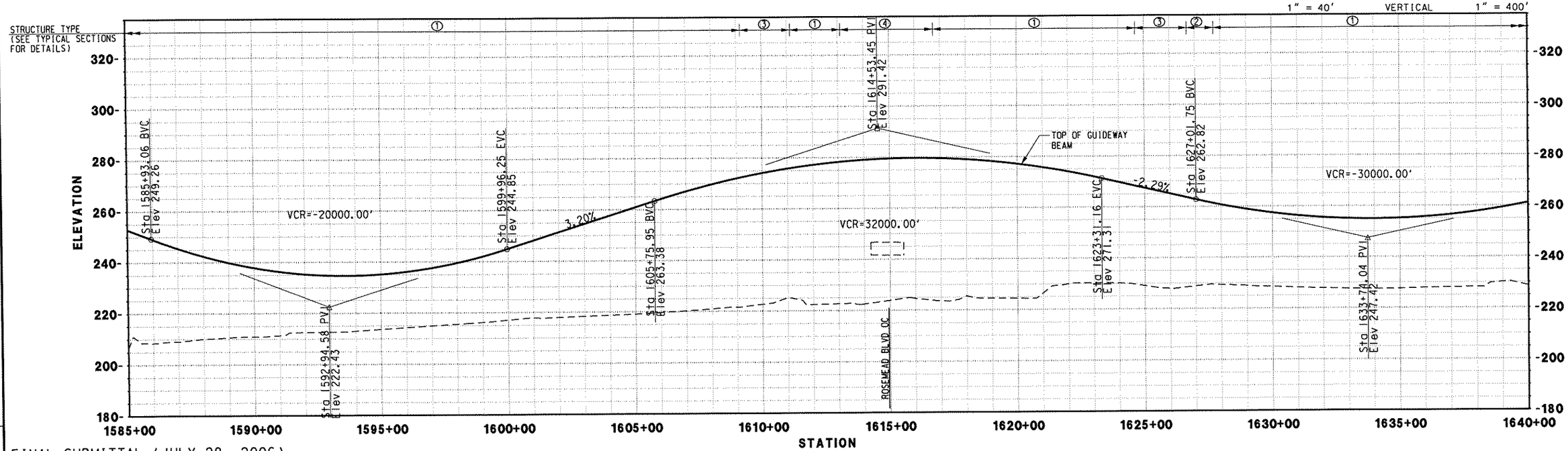
SHEET NO. 62

SCALE: HOR: 1" = 400' VER: 1" = 40'

PLAN

20' 0 20' 40'
1" = 40' VERTICAL

200' 0 200' 400'
1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential: solid information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1585+00.00 TO STA 1640+00.00

ALIGNMENT: SR-60

PART: PART 2

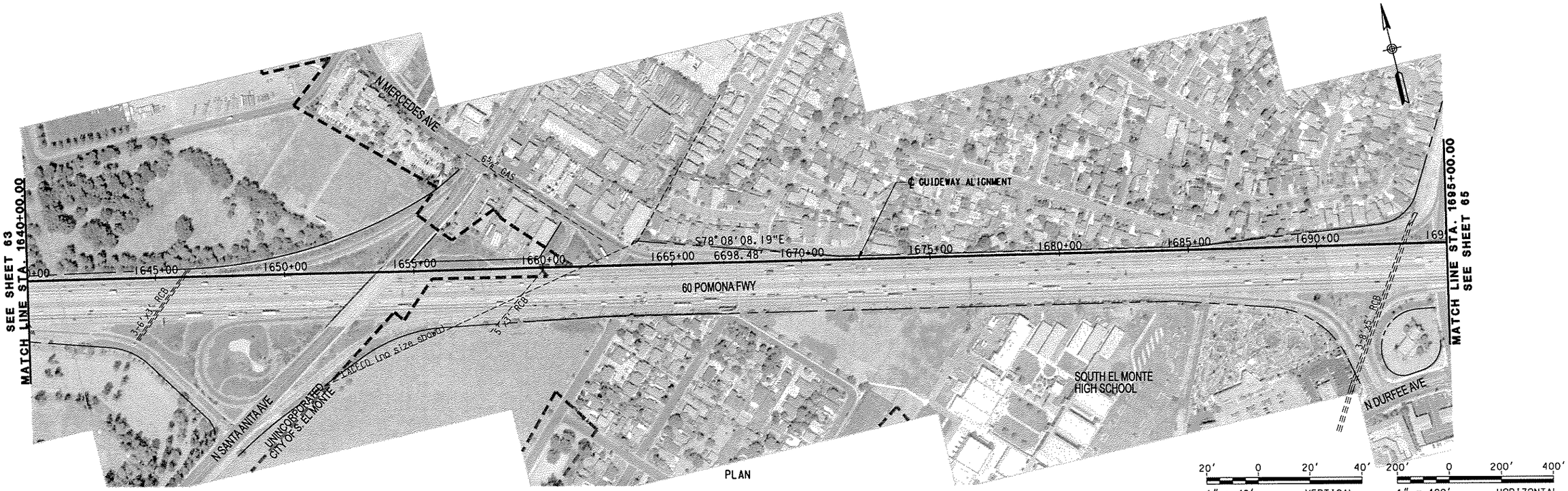
REVISION

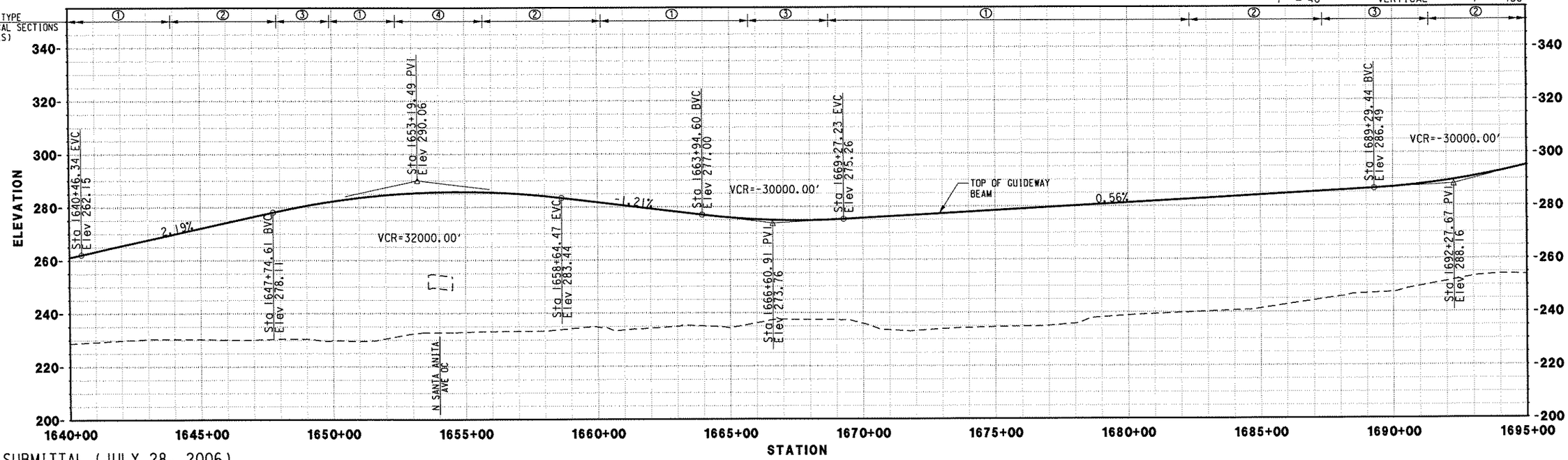
SHEET NO. 63

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: RUSENHAUER
Date Plotted: 8/14/06
Filename: 8FLSR

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT





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DRAWN BY	CBC
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APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1640+00.00 TO STA 1695+00.00

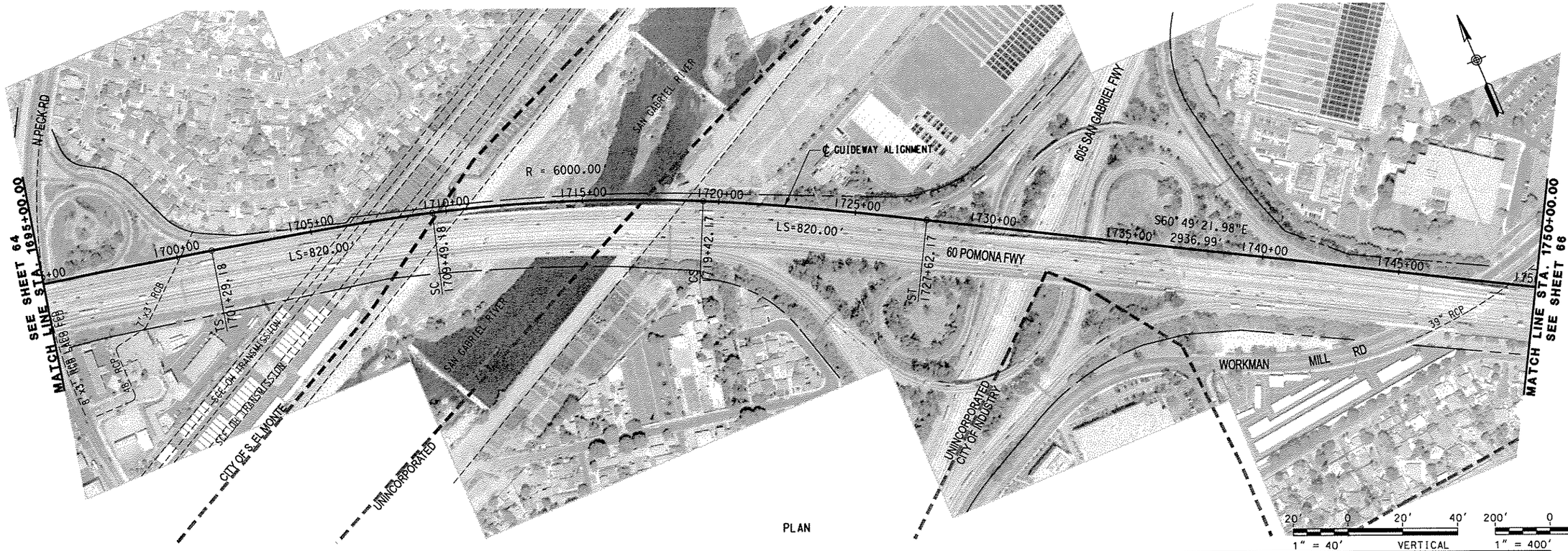
ALIGNMENT: SR-60

PART: PART 2

REVISION

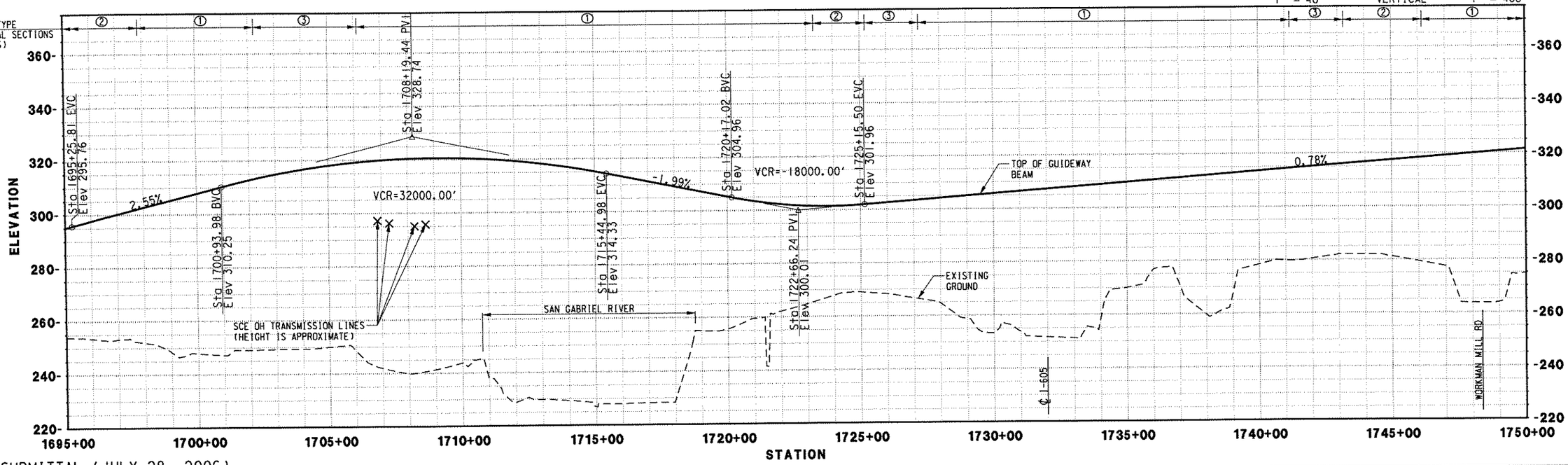
SHEET NO. 64

SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

1" = 40' VERTICAL 1" = 400' HORIZONTAL



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DESIGNED BY	MC
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DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1695+00.00 TO STA 1750+00.00

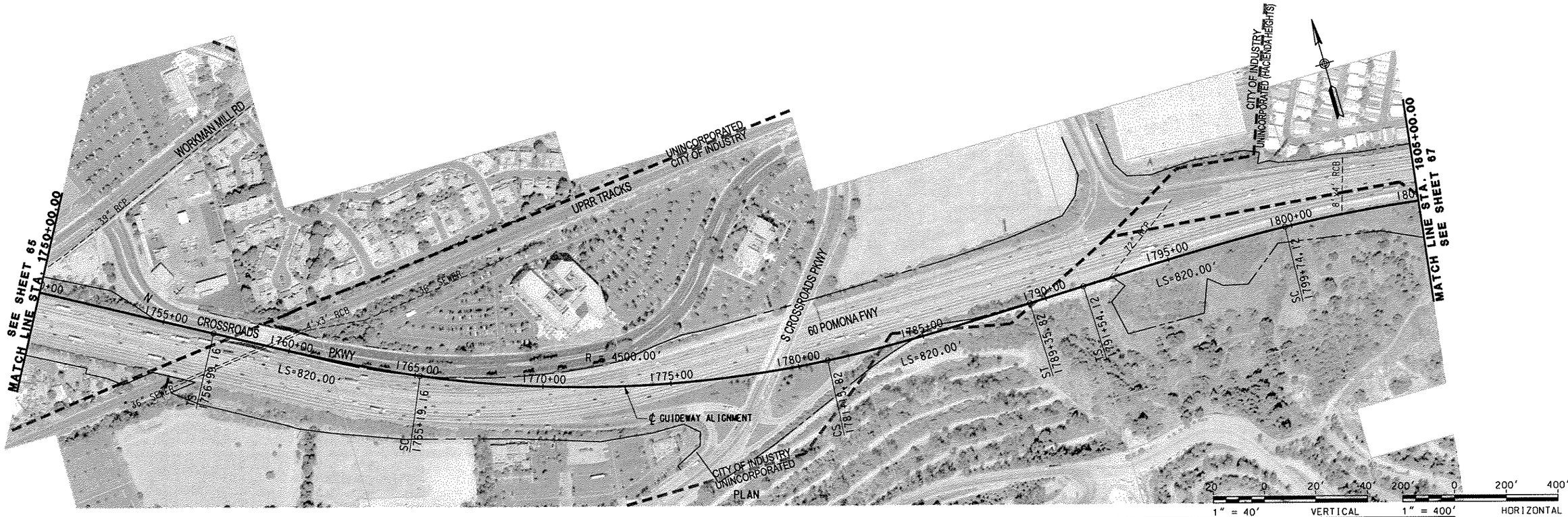
ALIGNMENT: SR-60

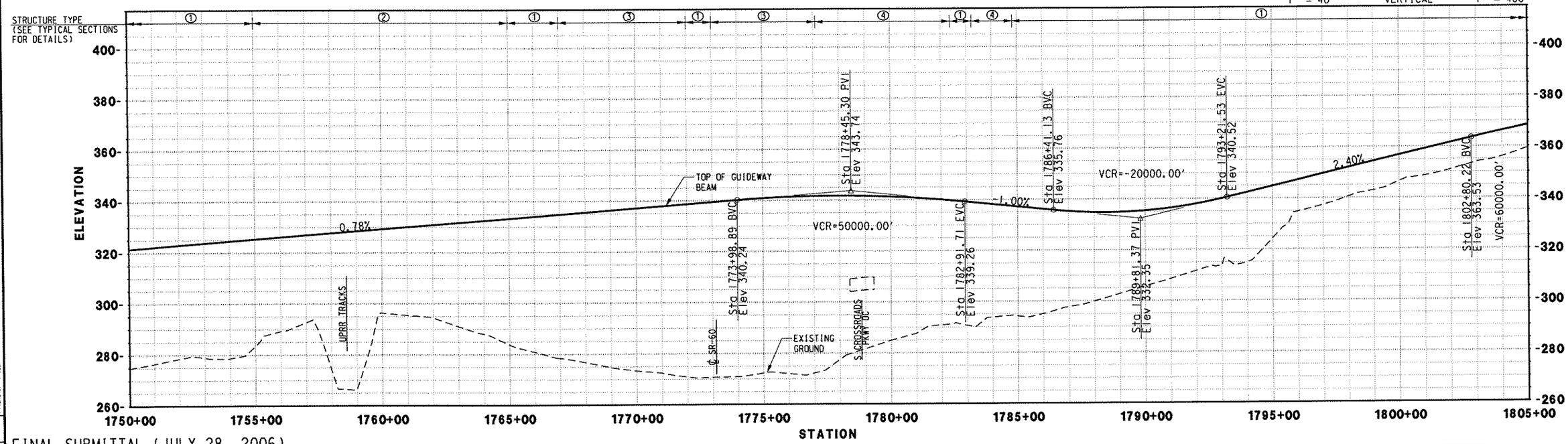
PART: PART 2

REVISION

SHEET NO. 65

SCALE: HOR: 1" = 400' VER: 1" = 40'





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DATE	07/28/06

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1750+00.00 TO STA 1805+00.00

ALIGNMENT: SR-60

PART: PART 2

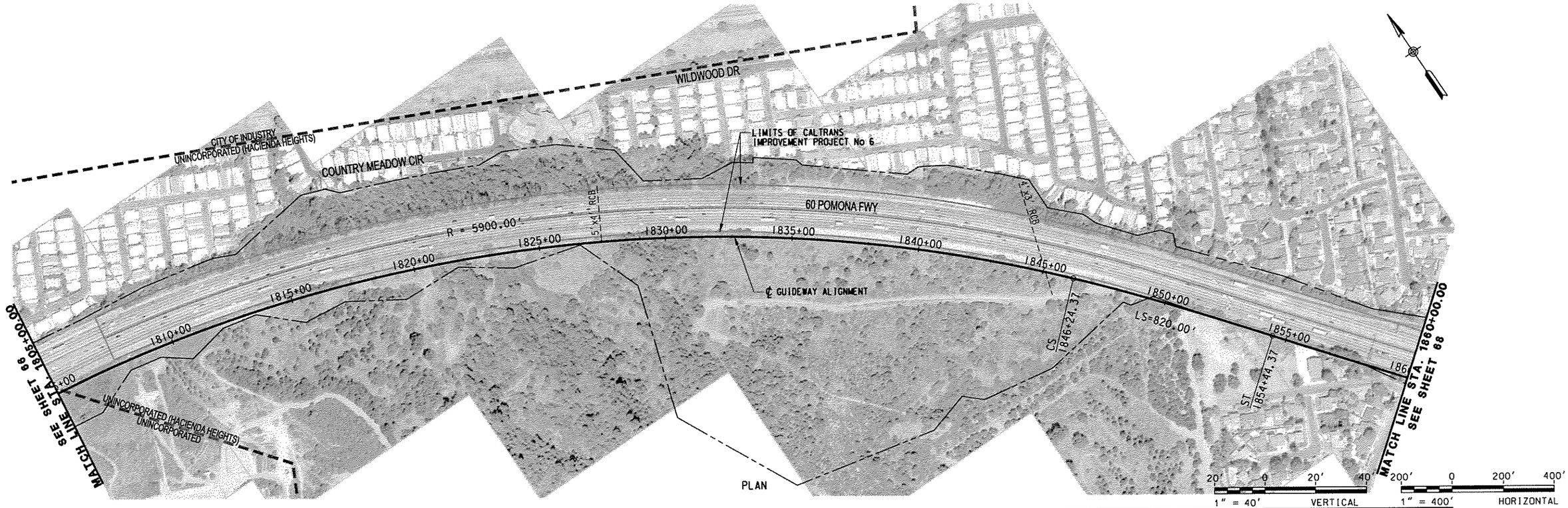
REVISION

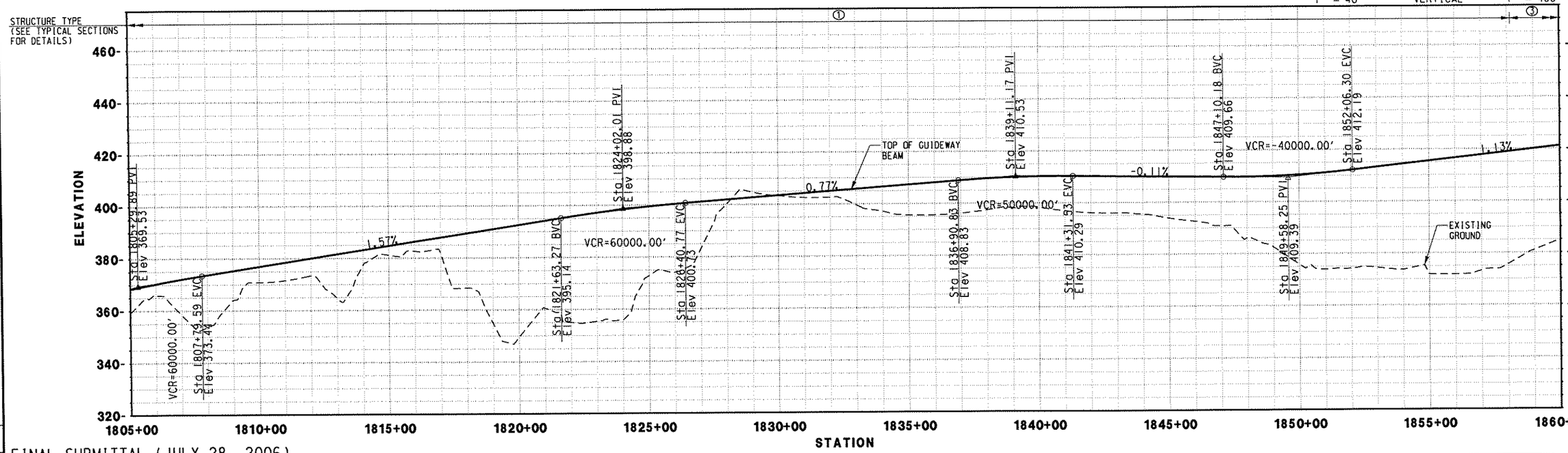
SHEET NO. 66

SCALE: HOR: 1" = 400' VER: 1" = 40'

PROJECT NUMBER | COST ELEMENT | LINE DESIGNATOR | CONTRACT TYPE | PHYSICAL ENTITY | DOMAIN ELEMENT

USER'S BUSERNAMES: Dave Pfarrhof, Richard Fellows BSATES: $TIMES





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APPROVED BY	DCH
DATE	07/28/06

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1805+00.00 TO STA 1860+00.00

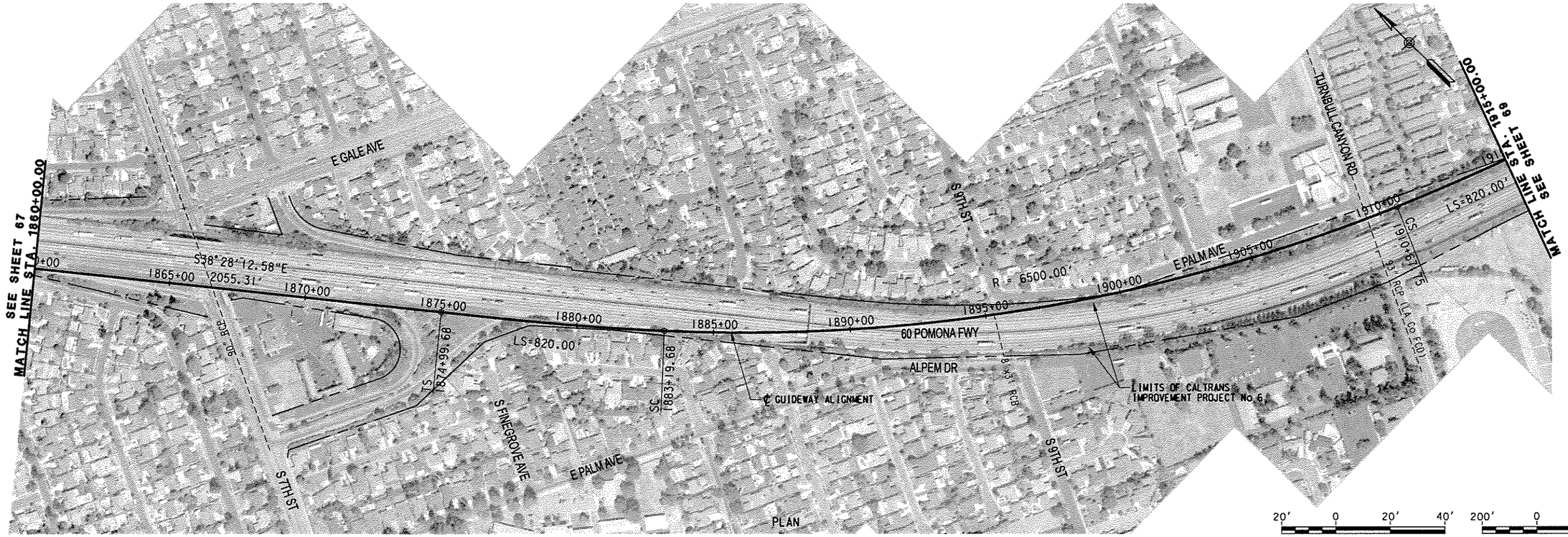
ALIGNMENT SR-60

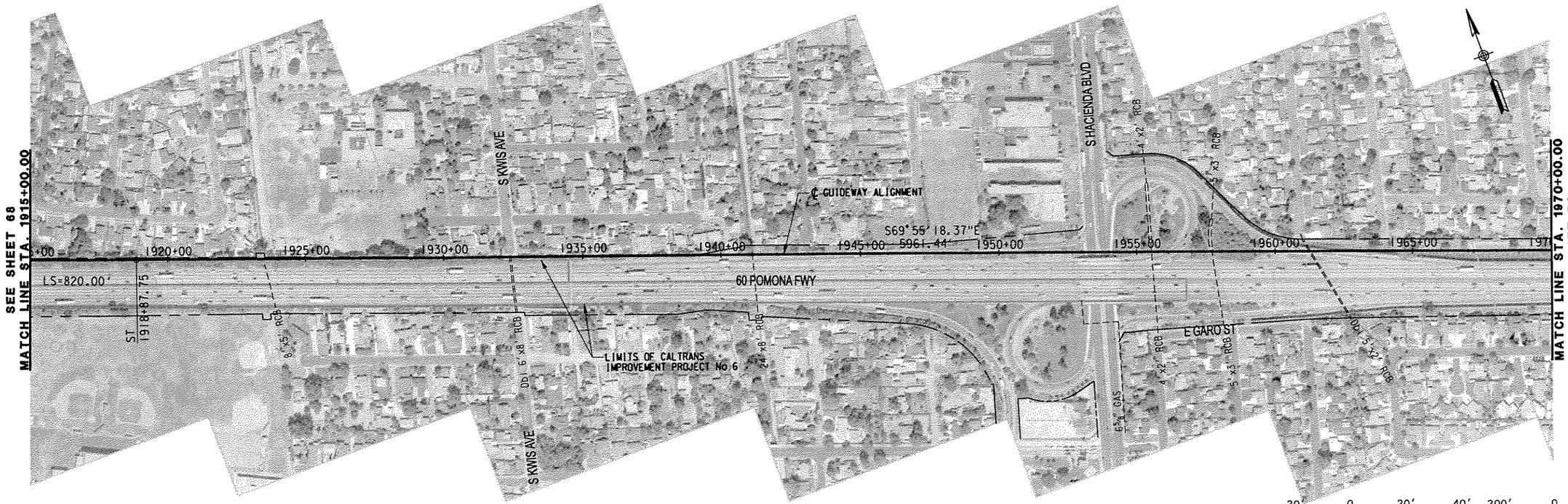
PART PART 2

REVISION

SHEET NO. 67

SCALE: HOR: 1" = 400' VER: 1" = 40'

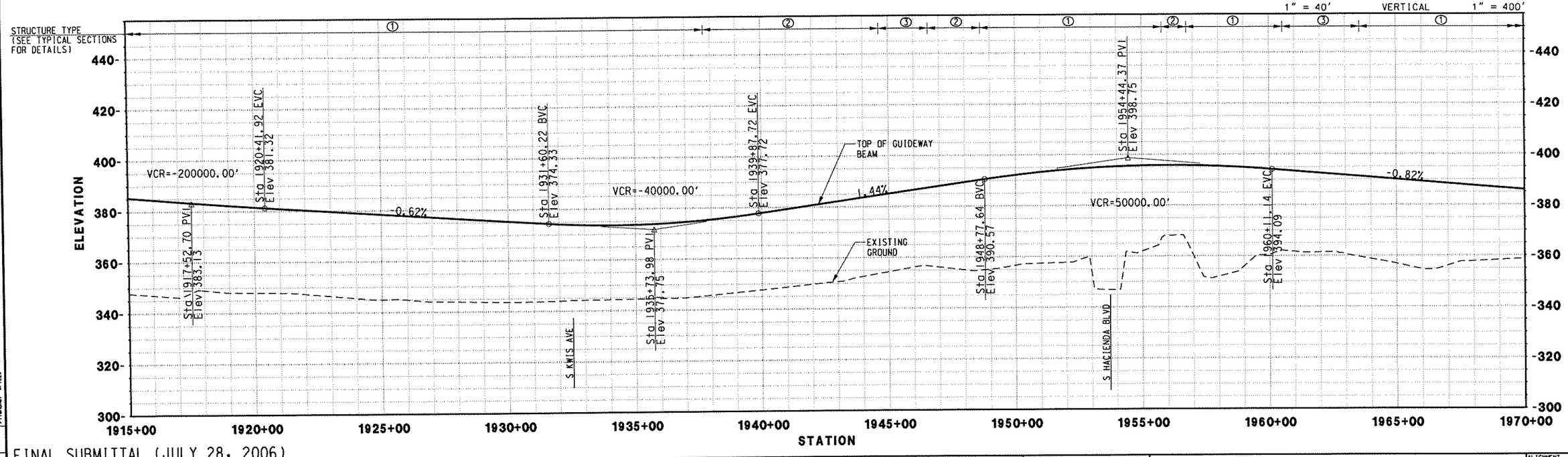

SEE SHEET 67
MATCH LINE STA. 1860+00.00
MATCH LINE STA. 1915+00.00
SEE SHEET 69
E GALE AVE
S 7TH ST
S FINEGROVE AVE
E PALM AVE
S 9TH ST
TURNBULL CANYON RD
60 POMONA FWY
ALPEM DR
S 13TH ST
S 16TH ST
S 19TH ST
S 22ND ST
90° BCP
S 22" RCP (LA Co FCD)
S 18" RCP
S 18" RCP
S 18" RCP



PLAN

1" = 40' VERTICAL 20 0 20' 40'

1" = 400' HORIZONTAL 200' 0 200' 400'



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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 1915+00.00 TO STA 1970+00.00

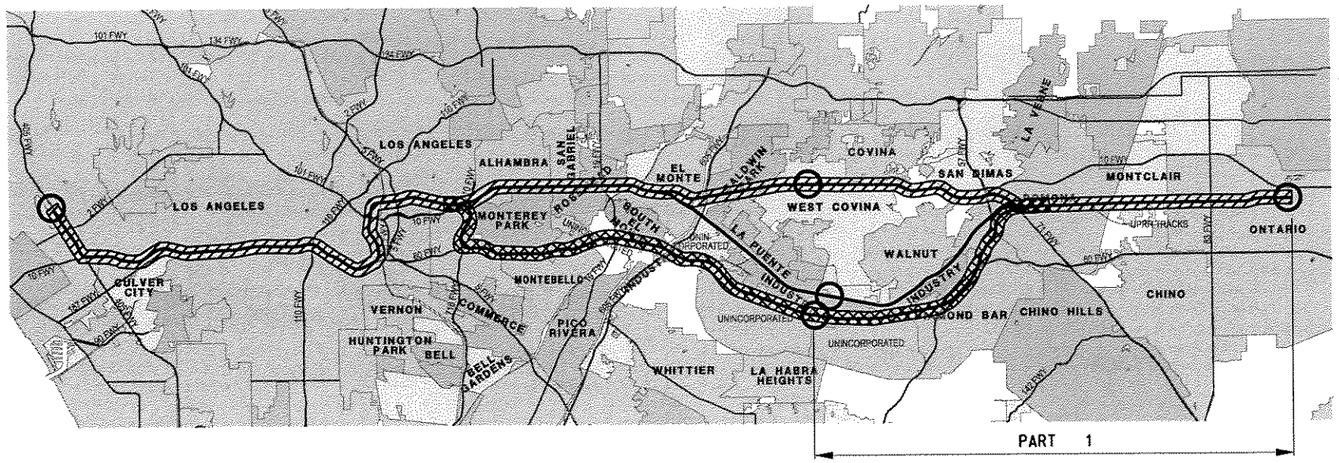
ALIGNMENT: SR-60

PART: PART 2

REVISION

SHEET NO. 69

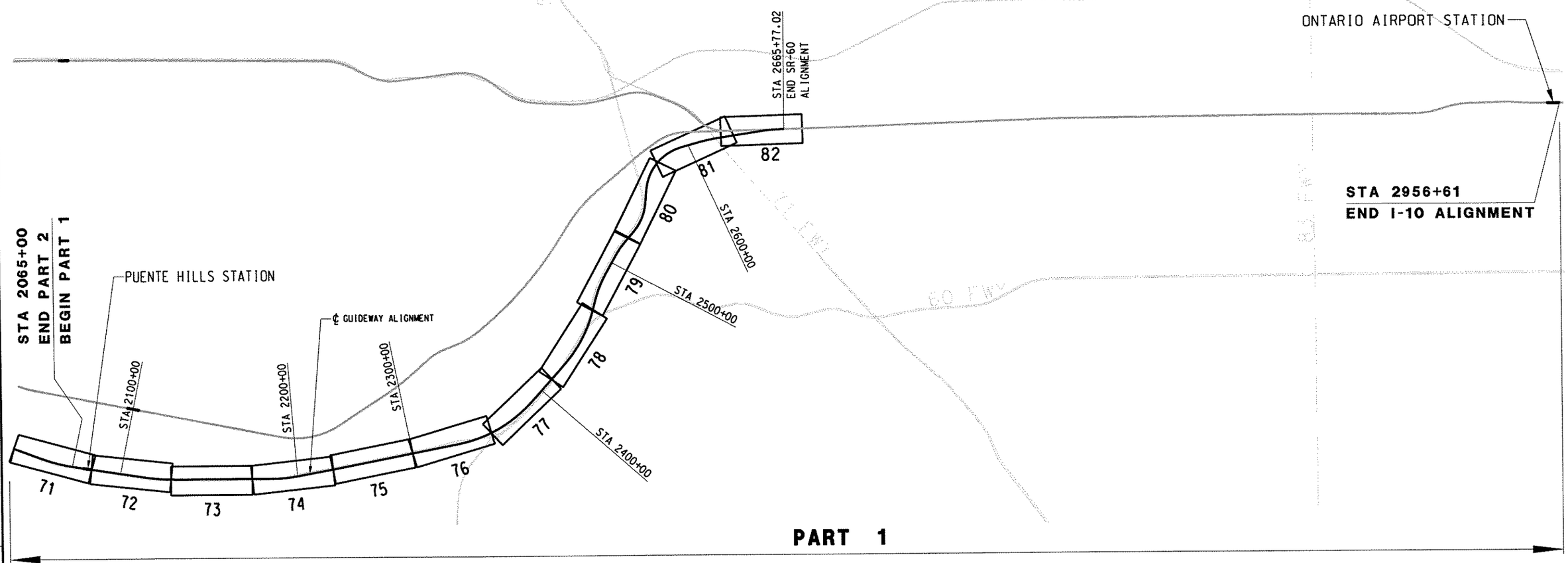
SCALE: HOR: 1" = 400' VER: 1" = 40'



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- SR-60 ALIGNMENT
- PLAN SHEET LIMITS
- ℄ I-10 ALIGNMENT & ℄ UPRR ALIGNMENT
- 3 PLAN SHEET NUMBER
- STATION



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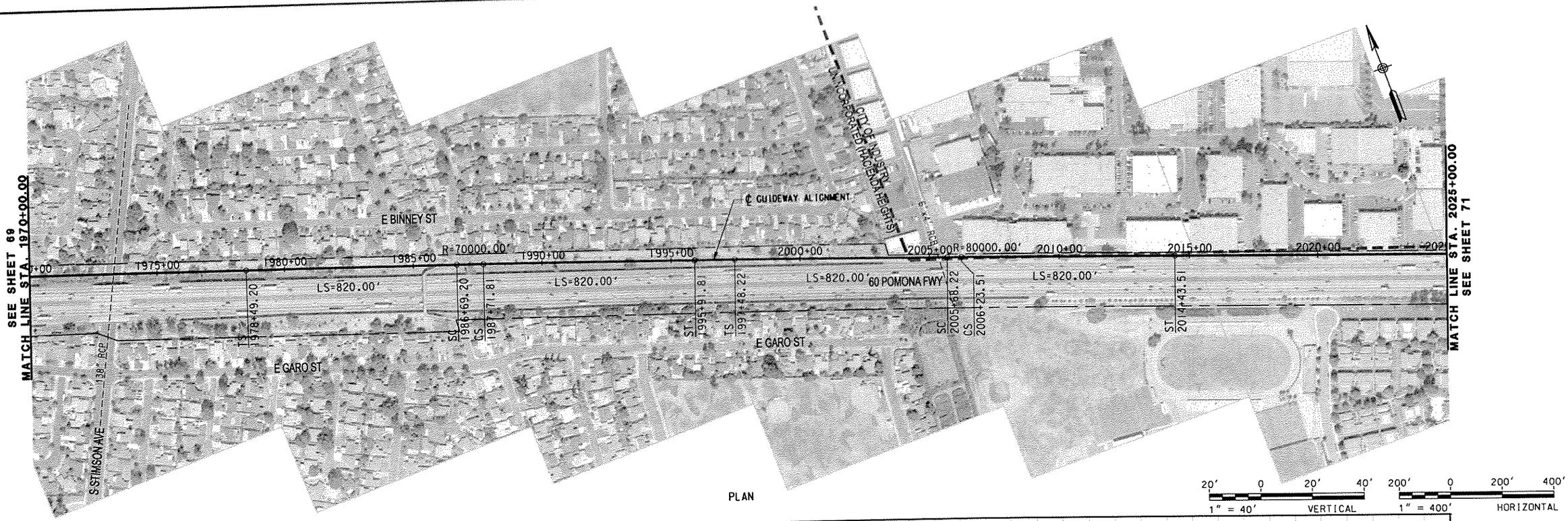
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
SR-60 ALIGNMENT
KEYMAP PLAN / PART 1
SAN GABRIEL VALLEY TO ONTARIO INTERNATIONAL AIRPORT

ALIGNMENT: SR-60
PART: PART 1
REVISION:
SHEET NO.: 2 OF 2
SCALE: HOR: 1" = 400' VER: 1" = 40'



FINAL SUBMITTAL (JULY 28, 2006)

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APPROVED BY	DCH		
DATE	07/28/06		

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IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1970+00.00 TO STA 2025+00.00

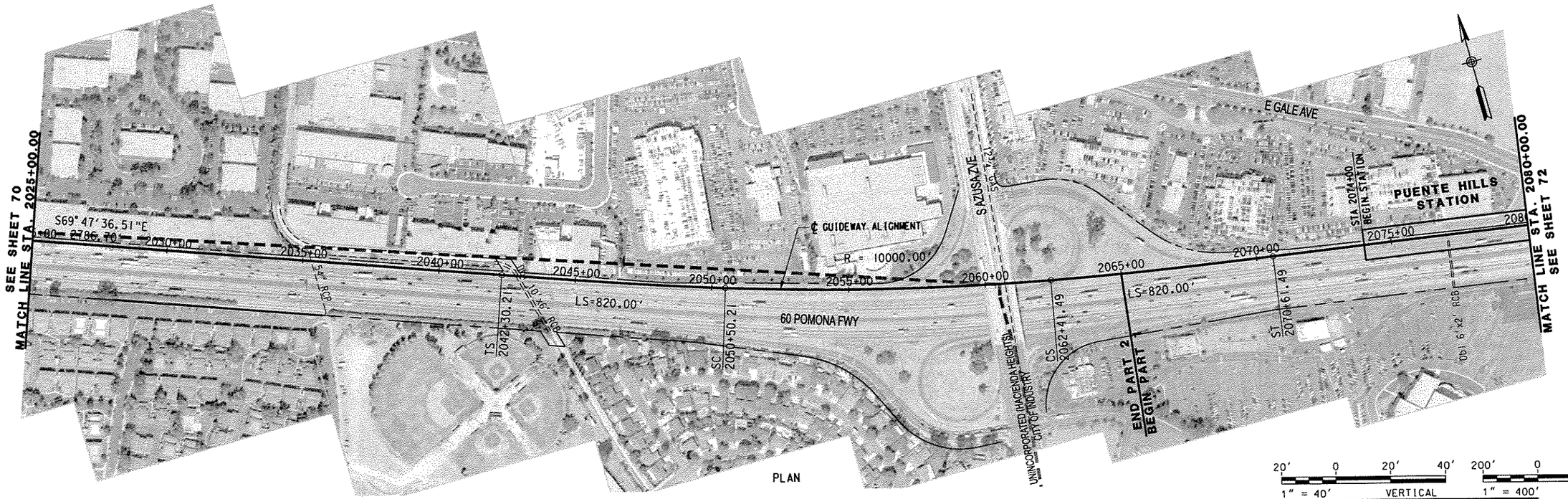
ALIGNMENT: SR-60

PART: PART 2

REVISION

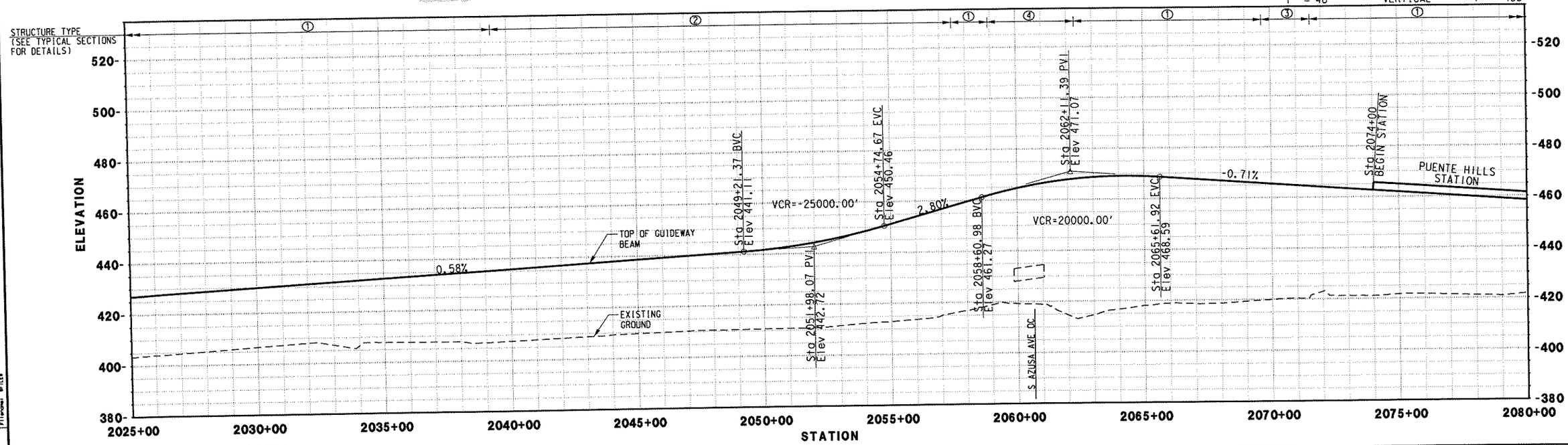
SHEET NO. 70

SCALE: HOR: 1" = 400' VER: 1" = 40'



20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2025+00.00 TO STA 2080+00.00

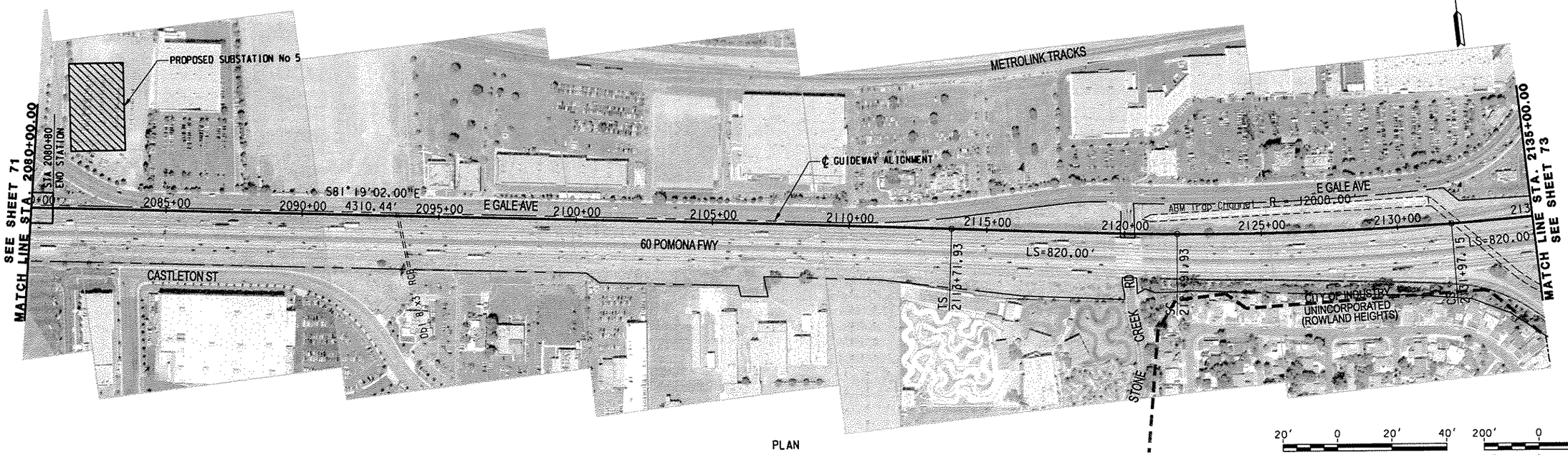
ALIGNMENT: SR-60

PART: PART 1

REVISION

SHEET NO. 71

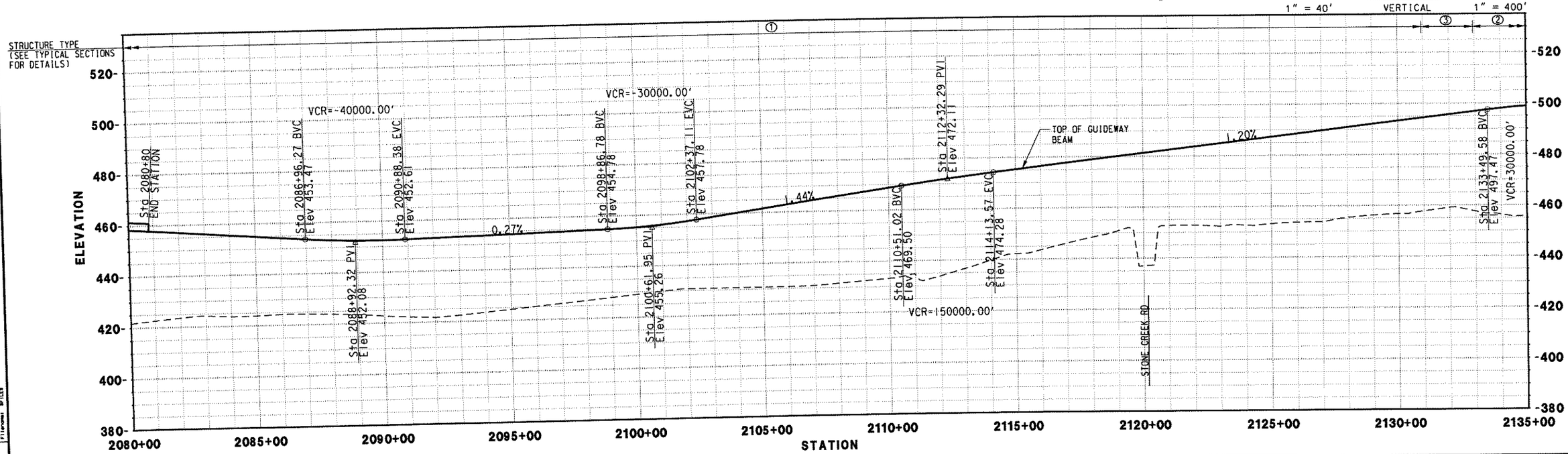
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2080+00.00 TO STA 2135+00.00

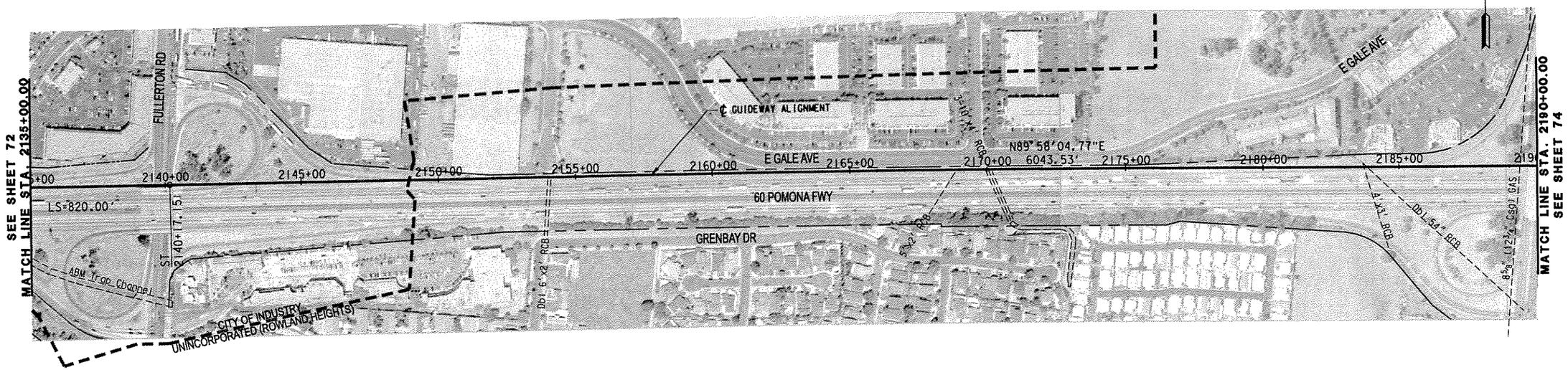
ALIGNMENT: SR-60

PART: PART 1

REVISION

SHEET NO. 72

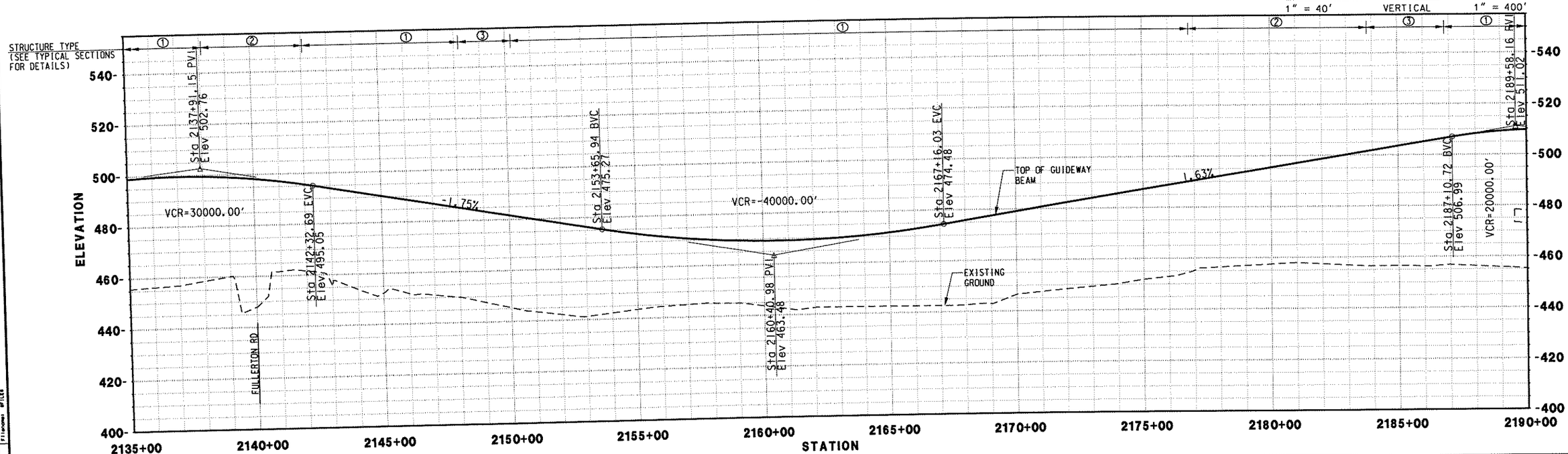
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

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IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2135+00.00 TO STA 2190+00.00

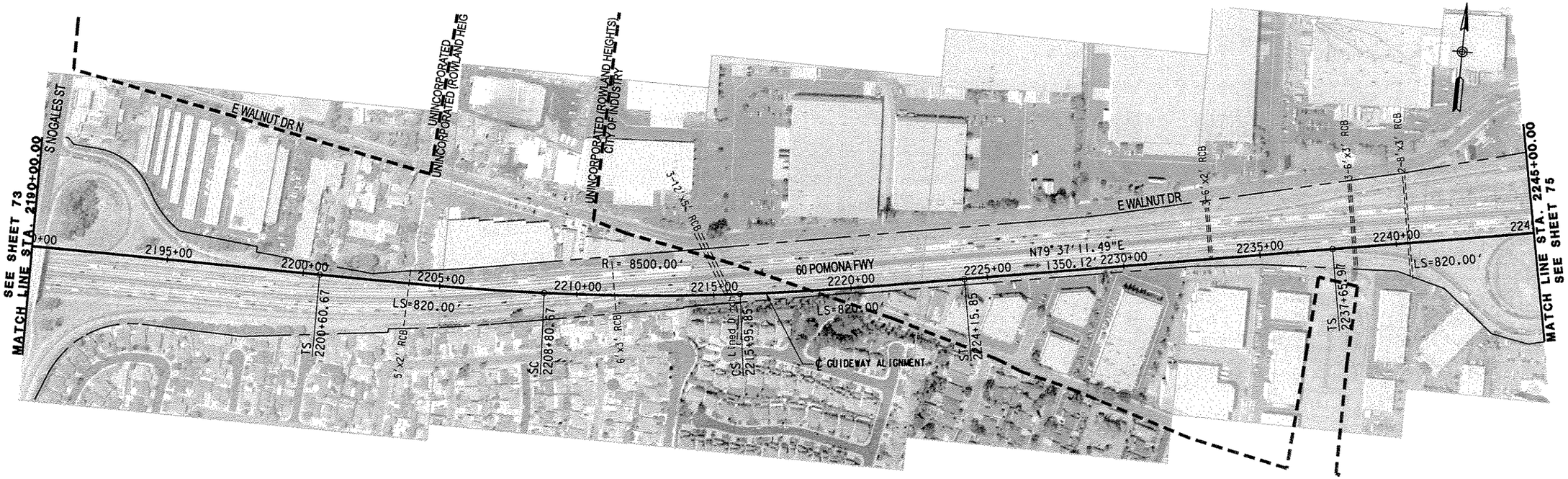
ALIGNMENT SR-60

PART PART 1

REVISION

SHEET NO. 73

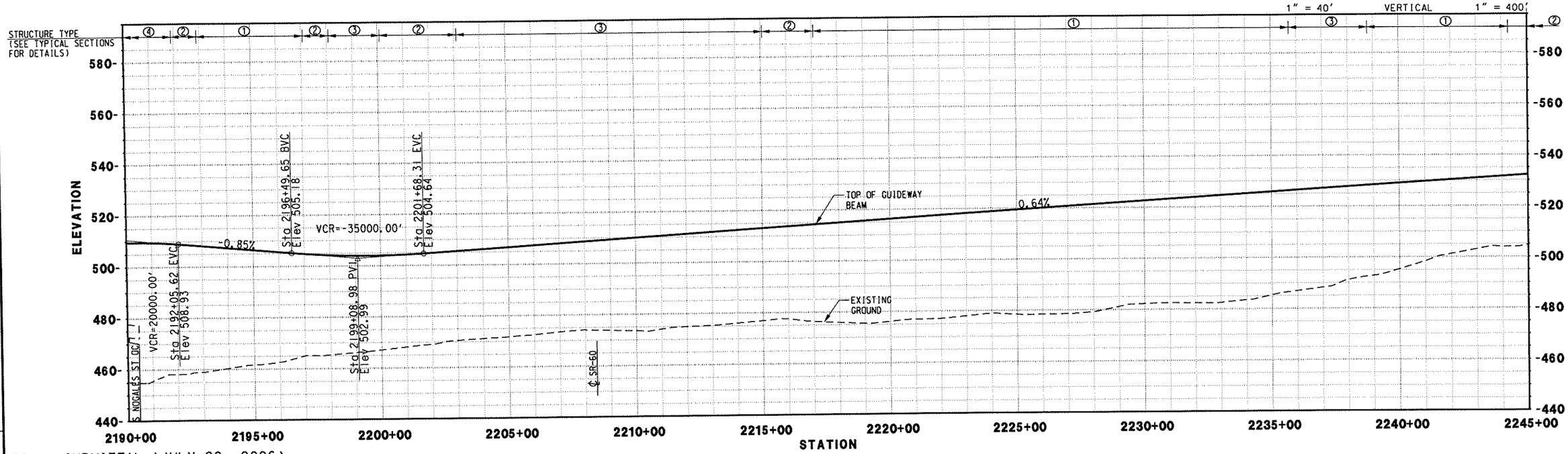
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40'
1" = 40' VERTICAL

200' 0 200' 400'
1" = 400' HORIZONTAL



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WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2190+00.00 TO STA 2245+00.00

ALIGNMENT: SR-60

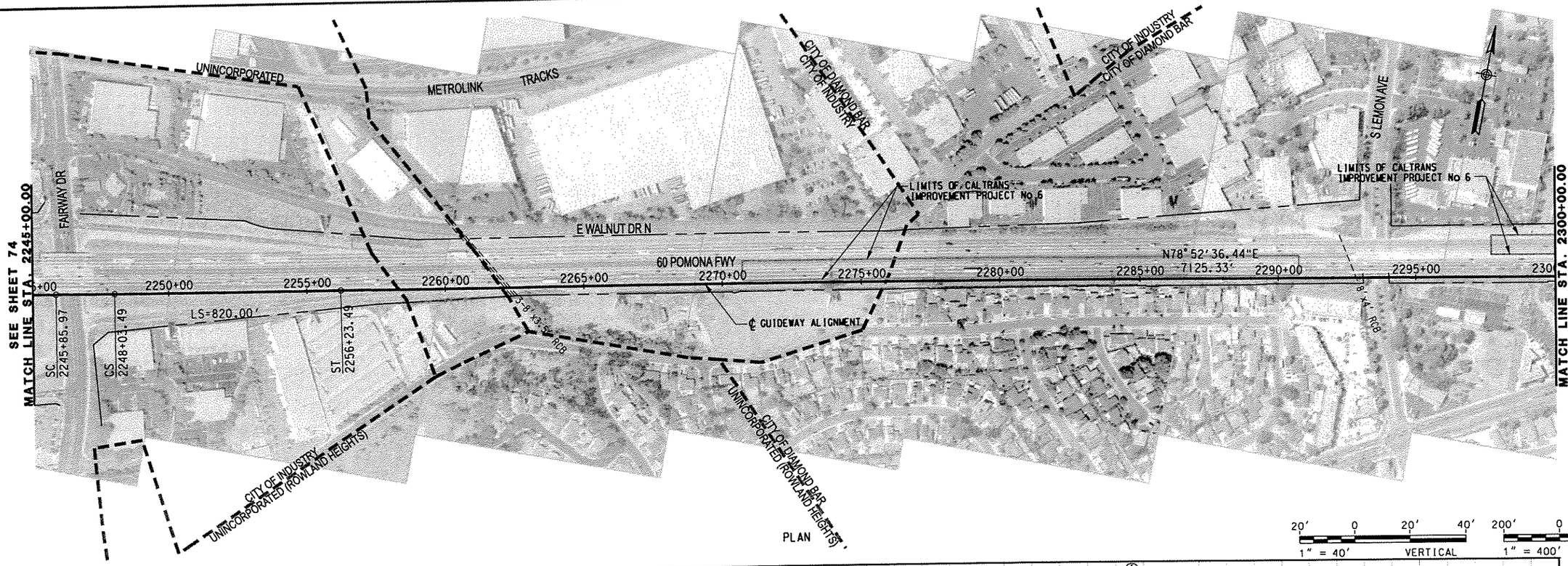
PART: PART 1

REVISION

SHEET NO. 74

SCALE: HOR: 1" = 400'
VER: 1" = 40'

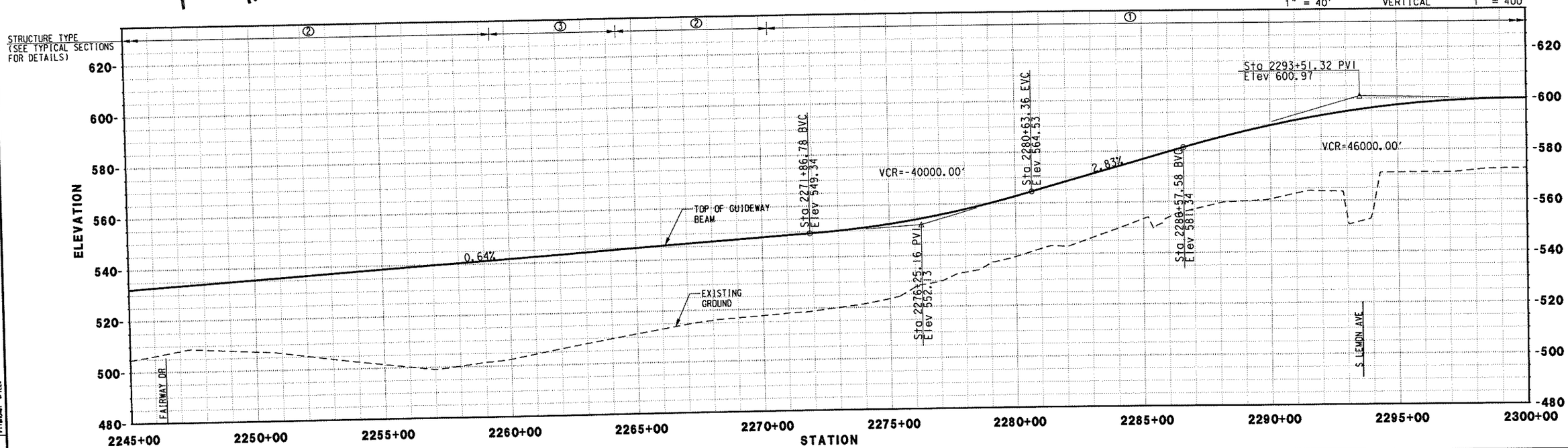
USER: BUSERNAME
Data File: ROUTE
Filename: FILES
STIME
NOW: SLEWAY
PHYSICAL ENTITY
CONTRACT DESIGNATOR
LINE ITEM
COST ELEMENT
PROJECT NUMBER



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



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IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2245+00.00 TO STA 2300+00.00

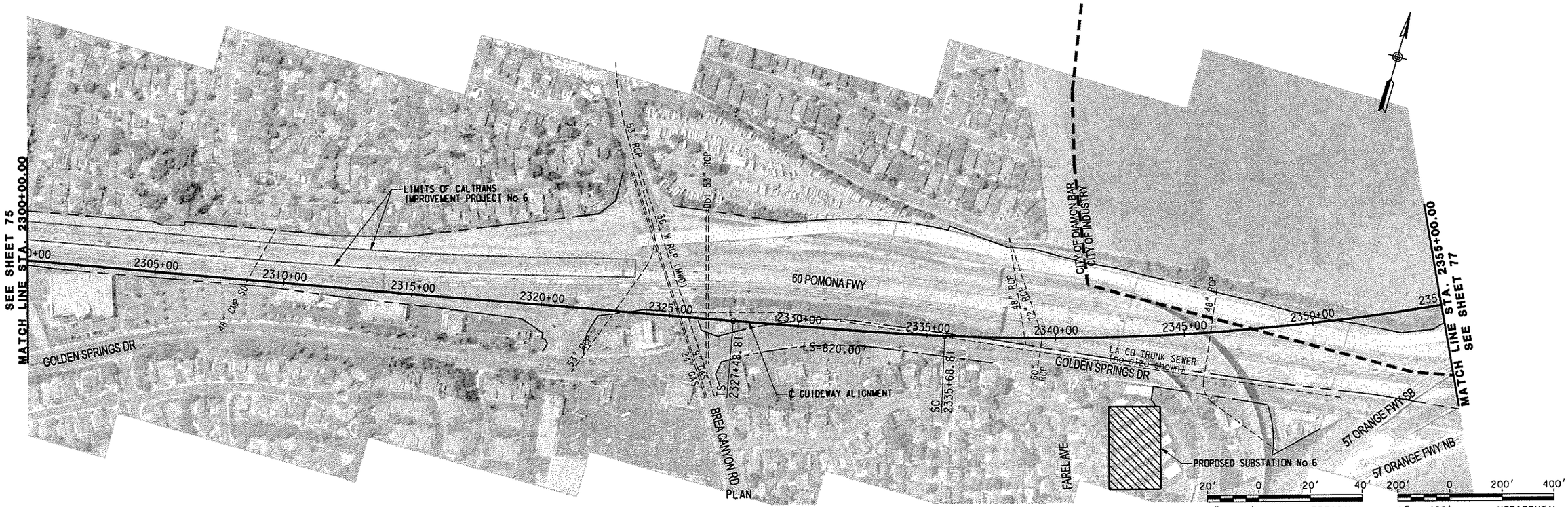
ALIGNMENT SR-60

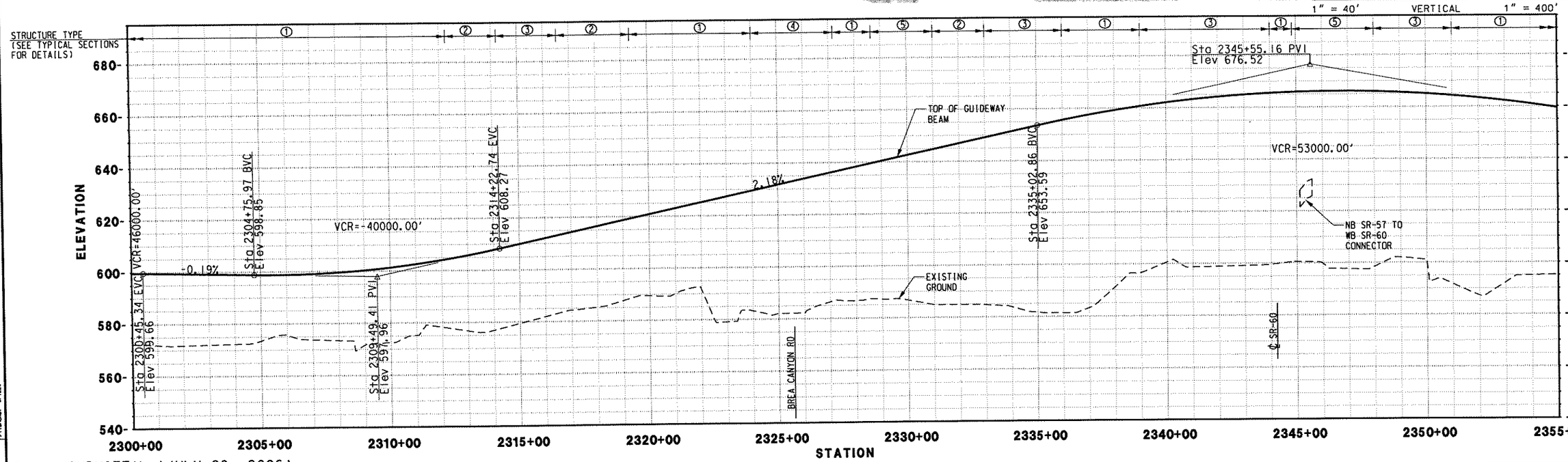
PART PART 1

REVISION

SHEET NO. 75

SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential: said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

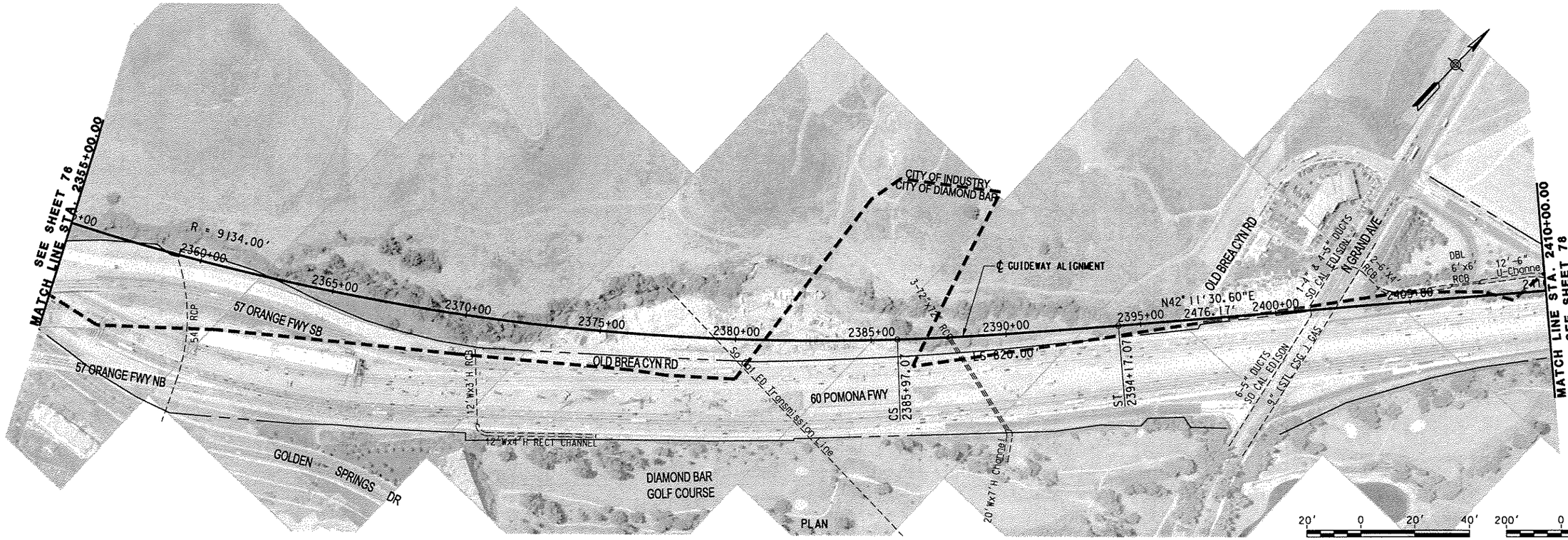
SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

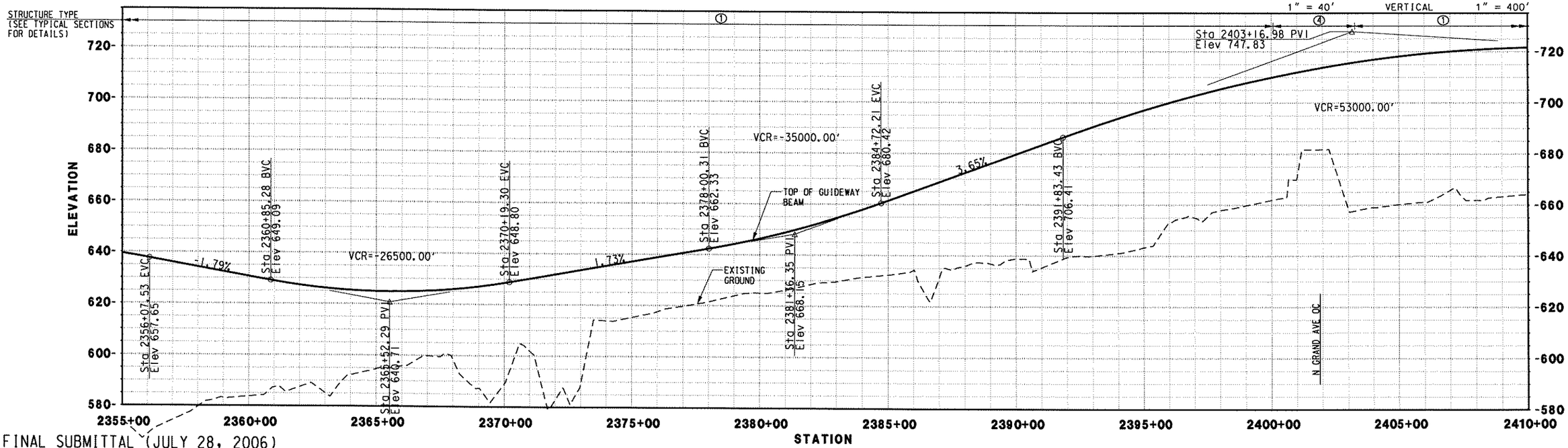
WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2300+00.00 TO STA 2355+00.00

ALIGNMENT: SR-60
PART: PART 1
REVISION
SHEET NO. 76
SCALE: HOR: 1" = 400' VER: 1" = 40'





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DATE	07/28/06

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2355+00.00 TO STA 2410+00.00

ALIGNMENT: SR-60

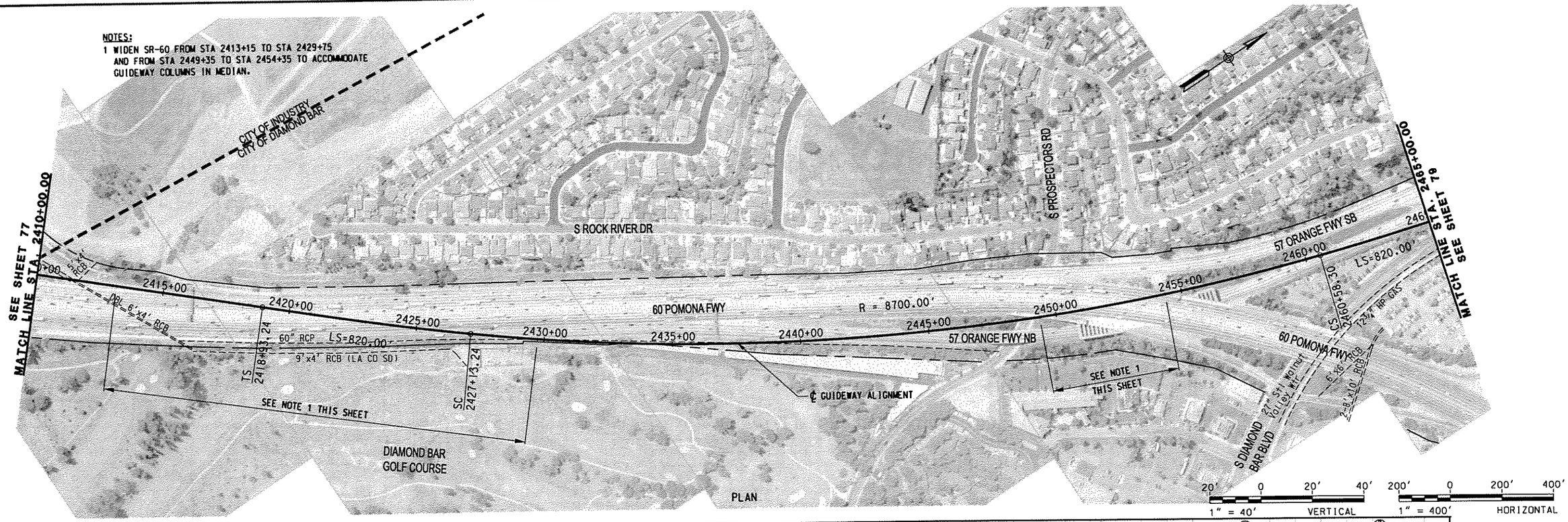
PART: PART 1

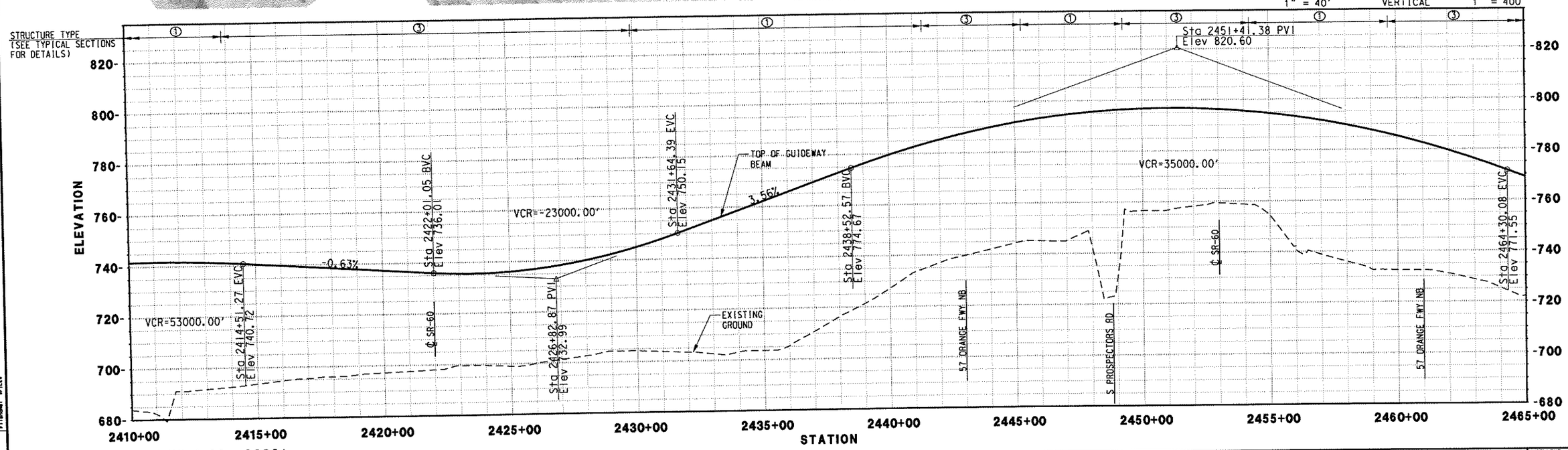
REVISION

SHEET NO. 77

SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTES:
1 WIDEN SR-60 FROM STA 2413+15 TO STA 2429+75 AND FROM STA 2449+35 TO STA 2454+35 TO ACCOMMODATE GUIDEWAY COLUMNS IN MEDIAN.





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DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT FROM STA 2410+00.00 TO STA 2465+00.00

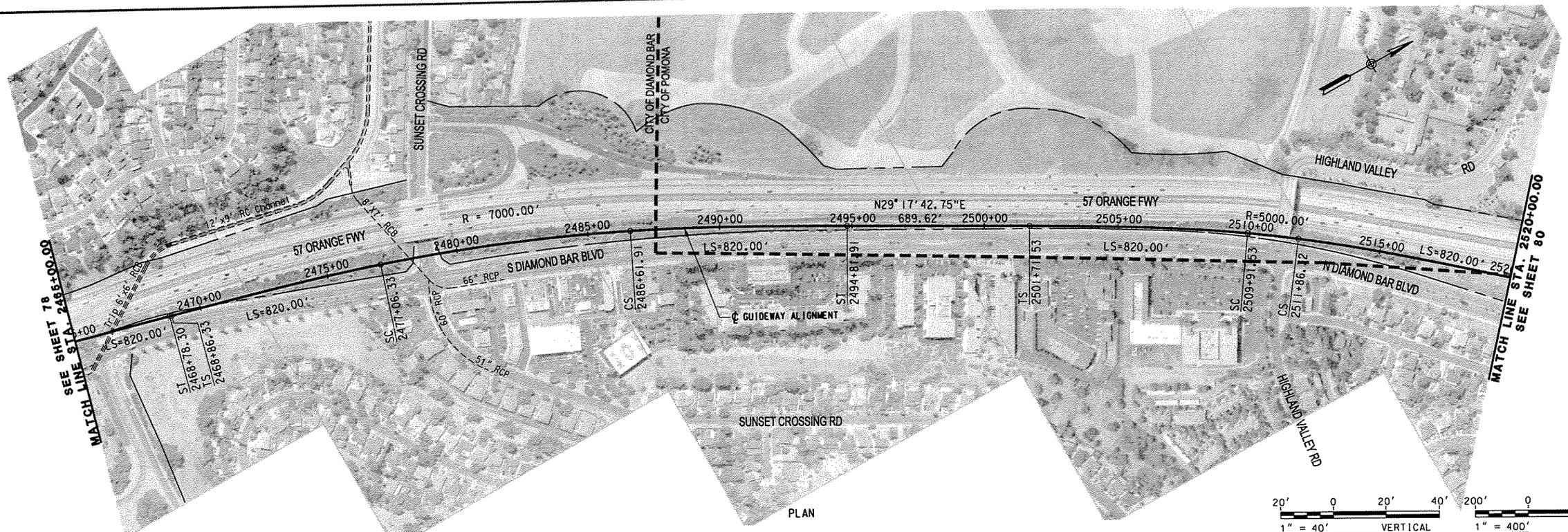
ALIGNMENT: SR-60

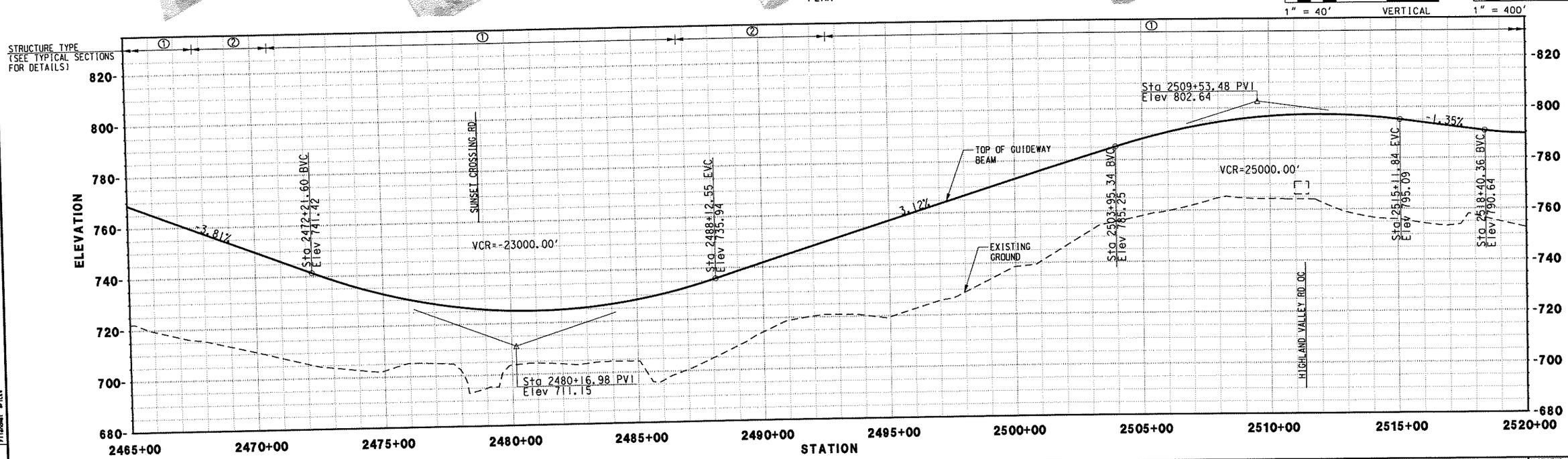
PART: PART 1

REVISION:

SHEET NO. 78

SCALE: HOR: 1" = 400' VER: 1" = 40'





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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
GUIDEWAY ALIGNMENT
FROM STA 2465+00.00 TO STA 2520+00.00

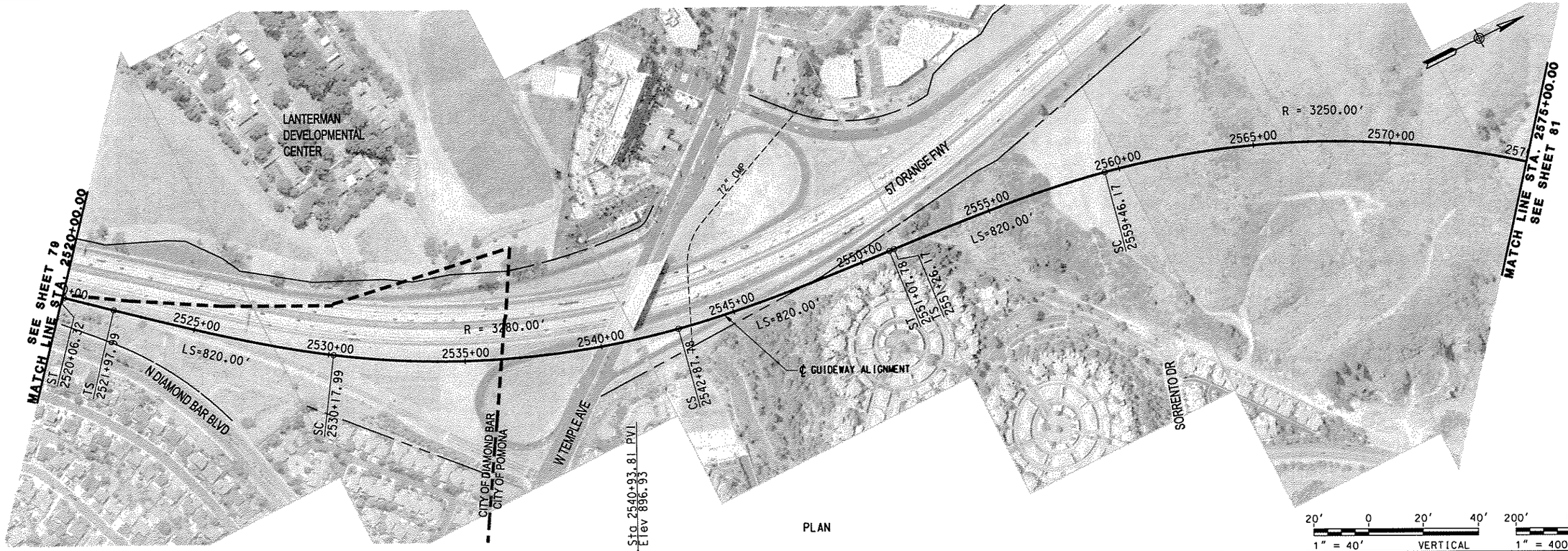
ALIGNMENT: SR-60

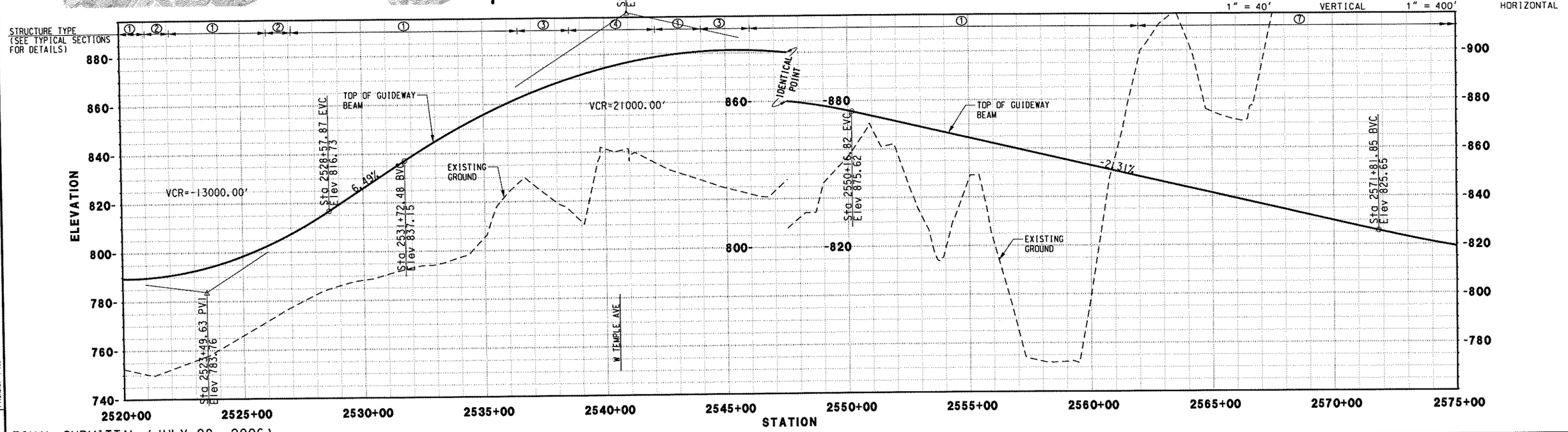
PART: PART 1

REVISION

SHEET NO. 79

SCALE: HOR: 1" = 400' VER: 1" = 40'





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IBI GROUP

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2520+00.00 TO STA 2575+00.00

ALIGNMENT: SR-60

PART: PART 1

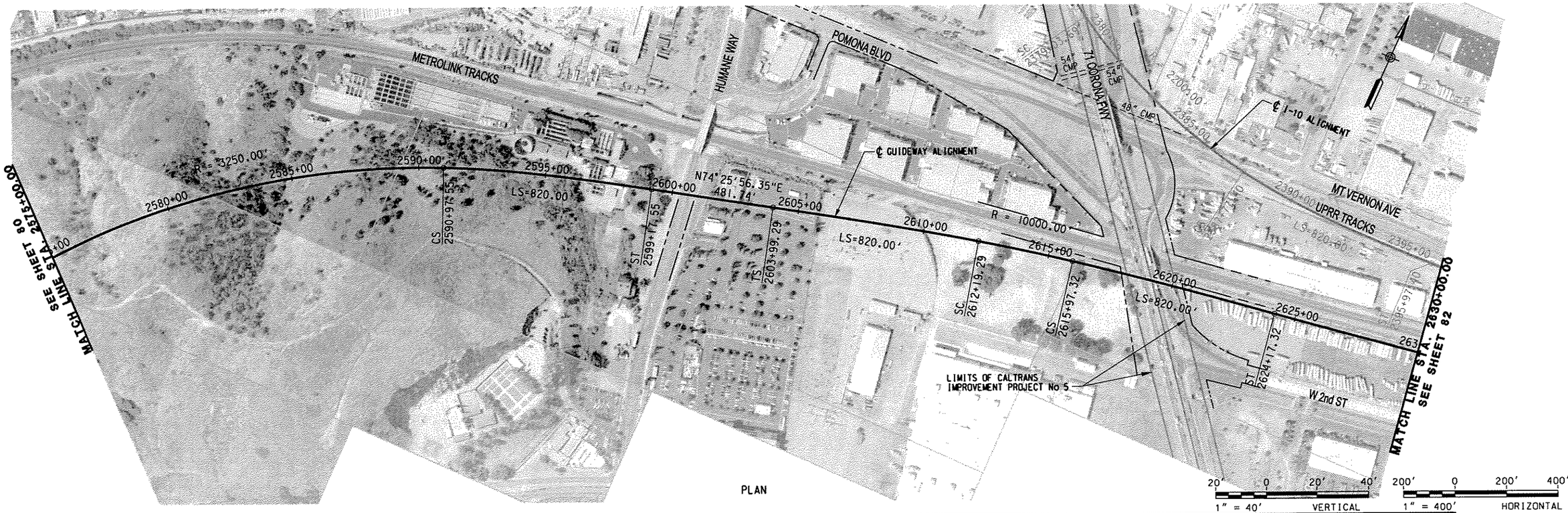
REVISION

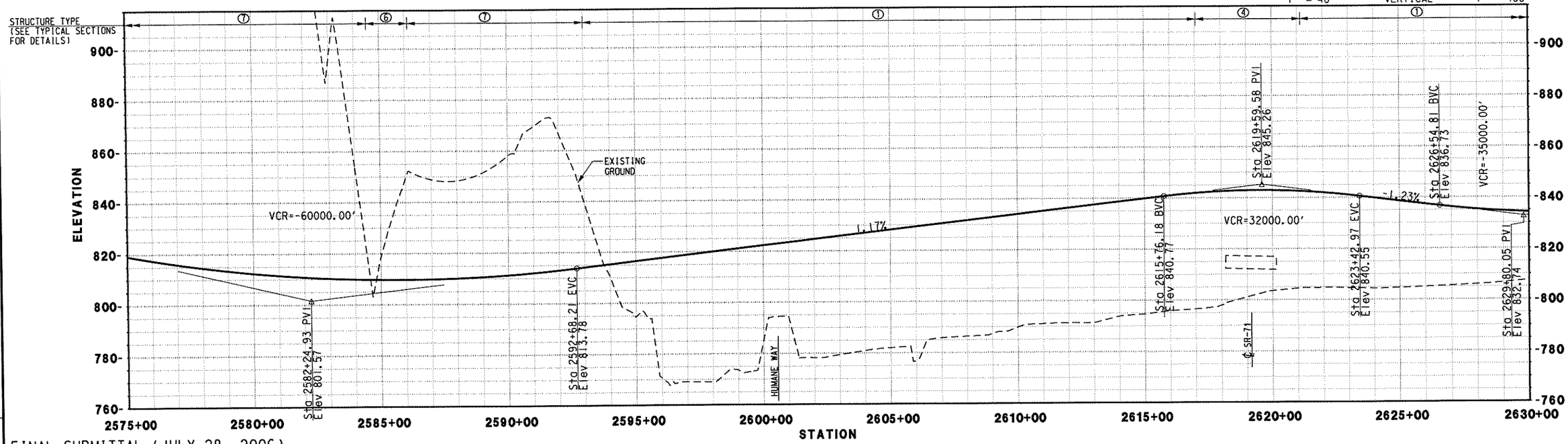
SHEET NO. 80

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: BUSEBAUER STIMES

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATOR | PHYSICAL ENTITY | WORK ELEMENT | USER: Dave Plotfield | DATE/TIME: Filename: BFLES





FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2575+00.00 TO STA 2630+00.00

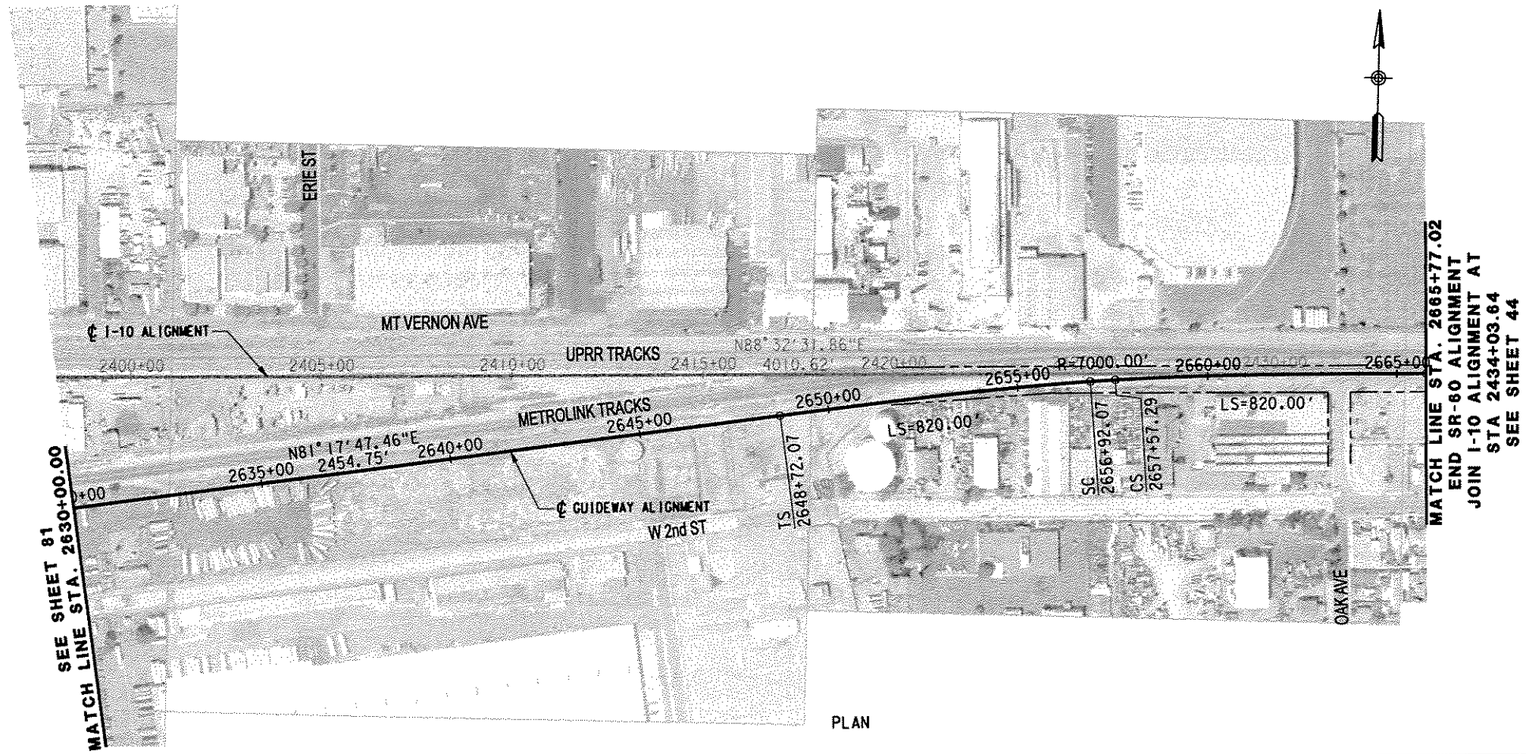
ALIGNMENT SR-60

PART PART 1

REVISION

SHEET NO. 81

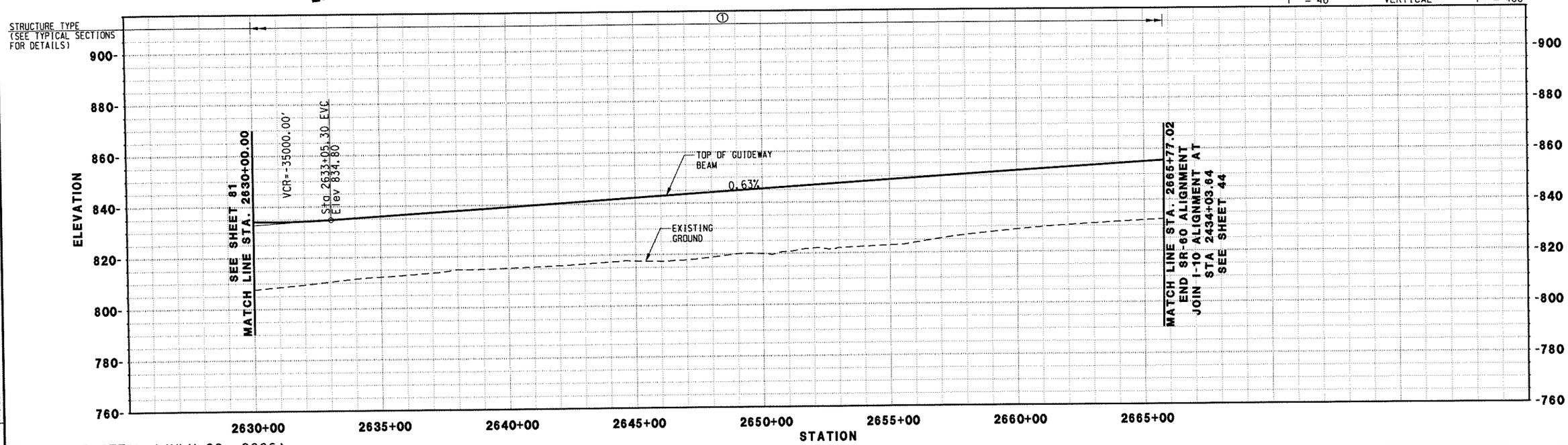
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' — 1" = 40' VERTICAL

200' 0 200' 400' — 1" = 400' HORIZONTAL



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV — TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2630+00.00 TO STA 2665+77.02 END SR-60

ALIGNMENT: SR-60

PART: PART 1

REVISION

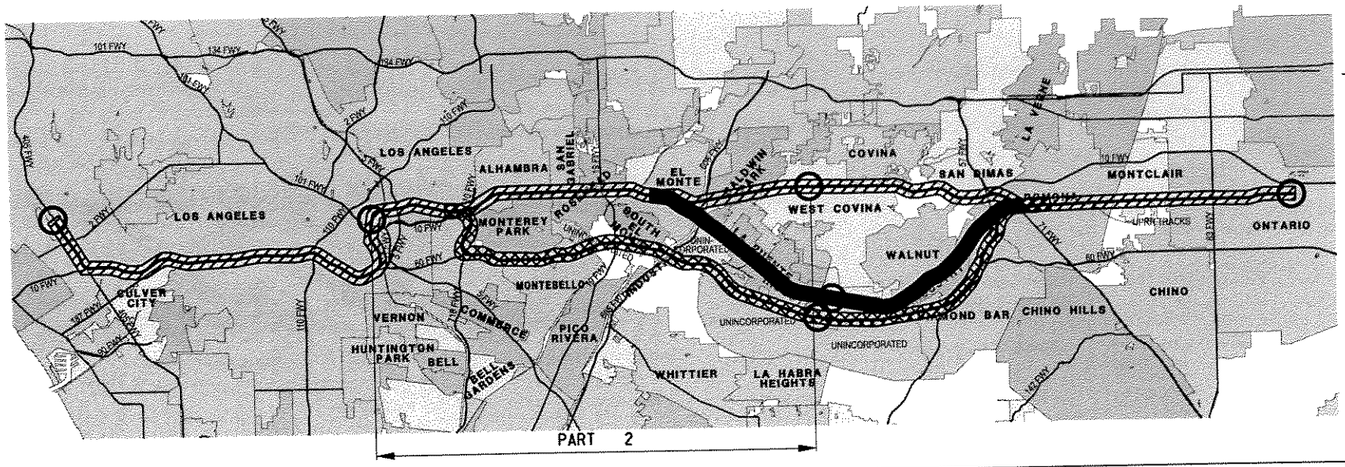
SHEET NO. 82

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: BUSERNAME DATE: Date Plotted: ROUTE: Filename: FILES

STIME

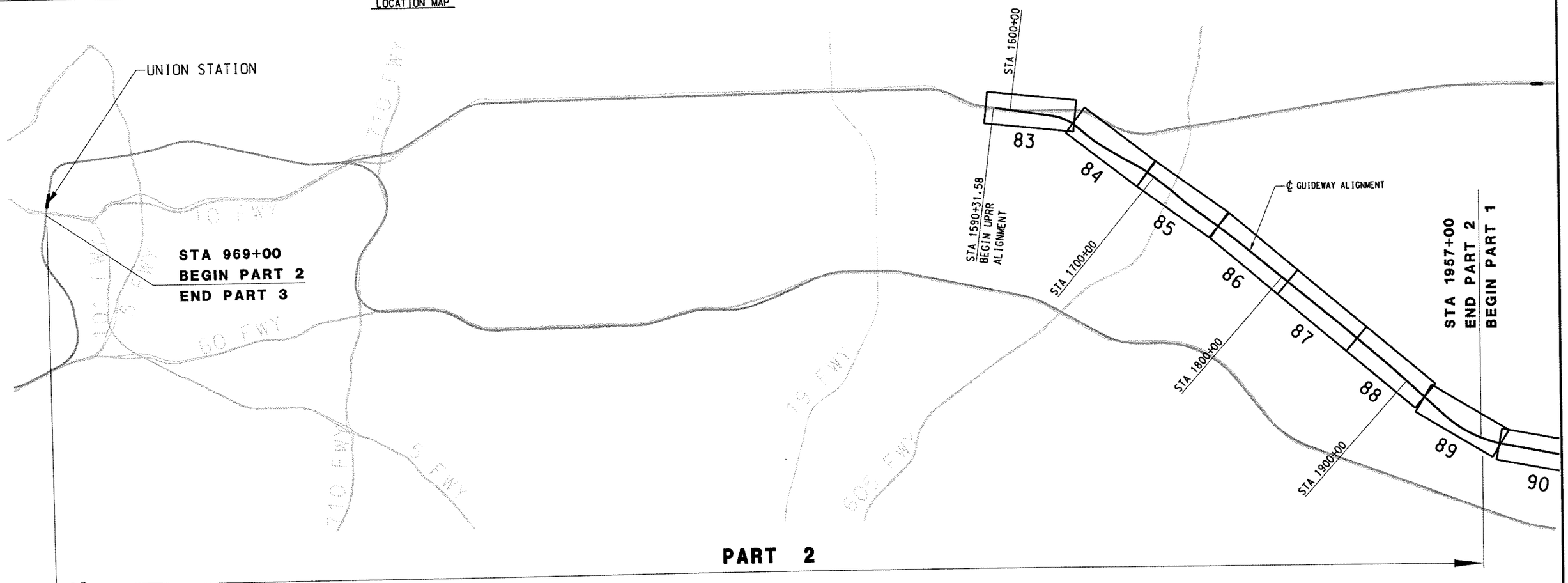
PROJECT NUMBER | ORIG. ELEMENT | LINE ITEM | CONTRACT ESTIMATOR ENTITY | PHYSICAL ELEMENT



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- SR-60 ALIGNMENT
- UPRR ALIGNMENT
- PLAN SHEET LIMITS
- ℄ I-10 ALIGNMENT & ℄ SR-60 ALIGNMENT
- 3 PLAN SHEET NUMBER
- STATION



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DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM
PHASE II
UPRR ALIGNMENT
KEYMAP PLAN / PART 2
LA UNION PASSENGER TERMINAL TO SAN GABRIEL VALLEY

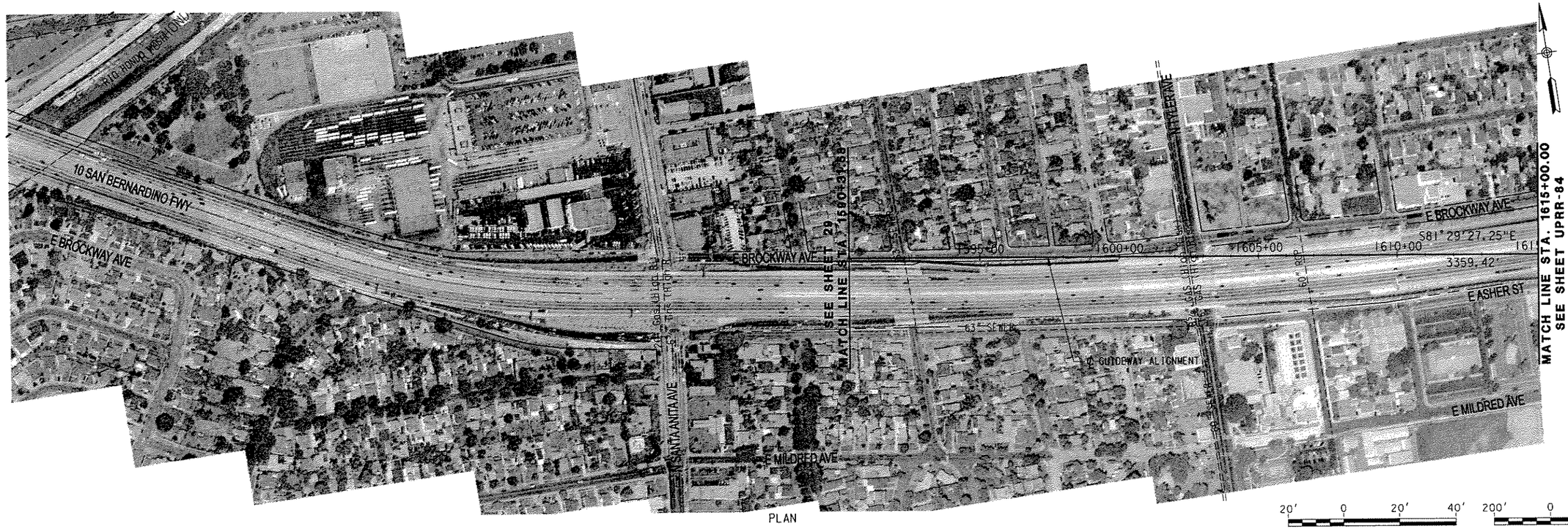
ALIGNMENT: UPRR

PART: PART 2

REVISION

SHEET NO. 1 OF 2

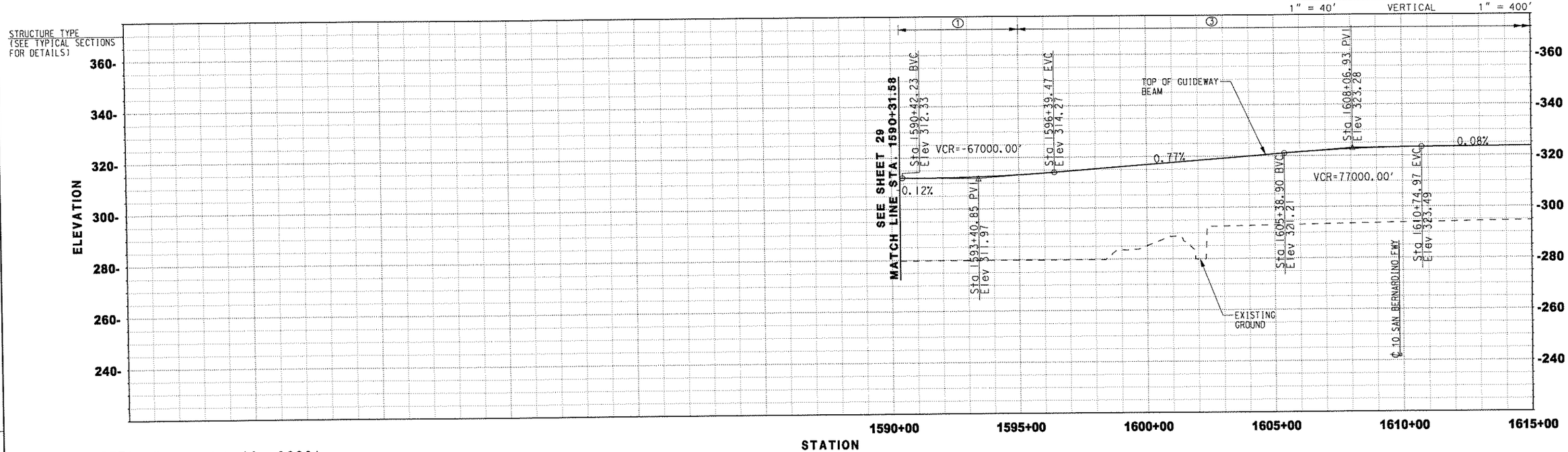
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1590+31.58 TO STA 1615+00.00

ALIGNMENT: UPRR

PART: PART 2

REVISION

SHEET NO. 83

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: FIXSERNAME
Date/Time: 7/31/2006 3:01:57 PM
[Filename] [s:\mpr\plans\ie\c-cont.prj\drawings\MPRR_83.dwg]

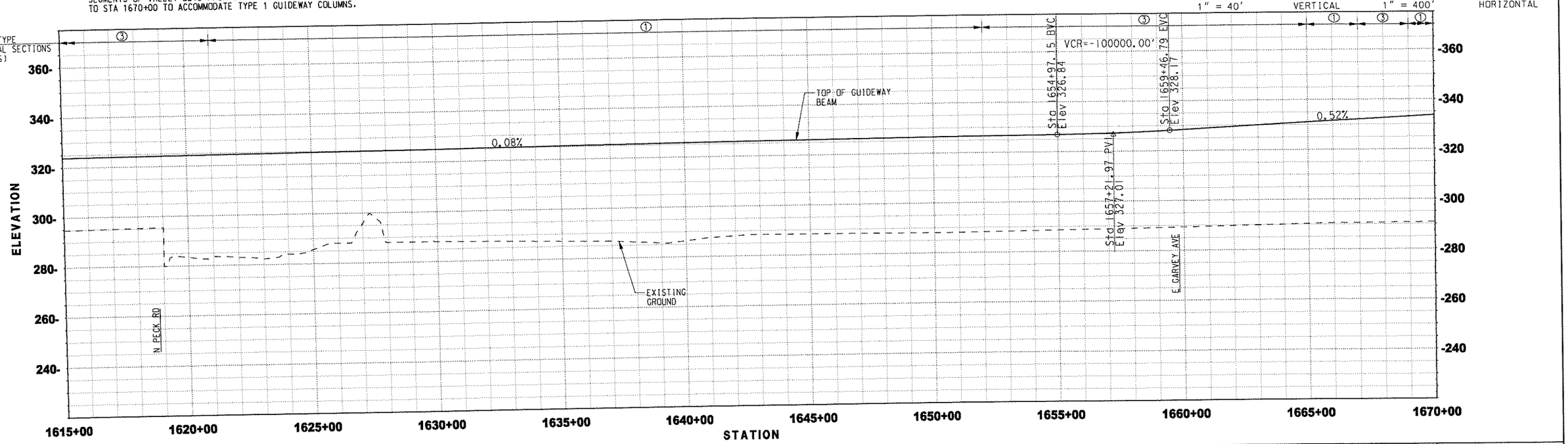
PROJECT NUMBER	COST/ CONTRACT	LINE	CONTRACT/ PHYSICAL ALTERNATIVE	PHYSICAL ENTITY	WORK ELEMENT

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1643+50 TO STA 1670+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1615+00.00 TO STA 1670+00.00

ALIGNMENT: UPRR

PART: PART 2

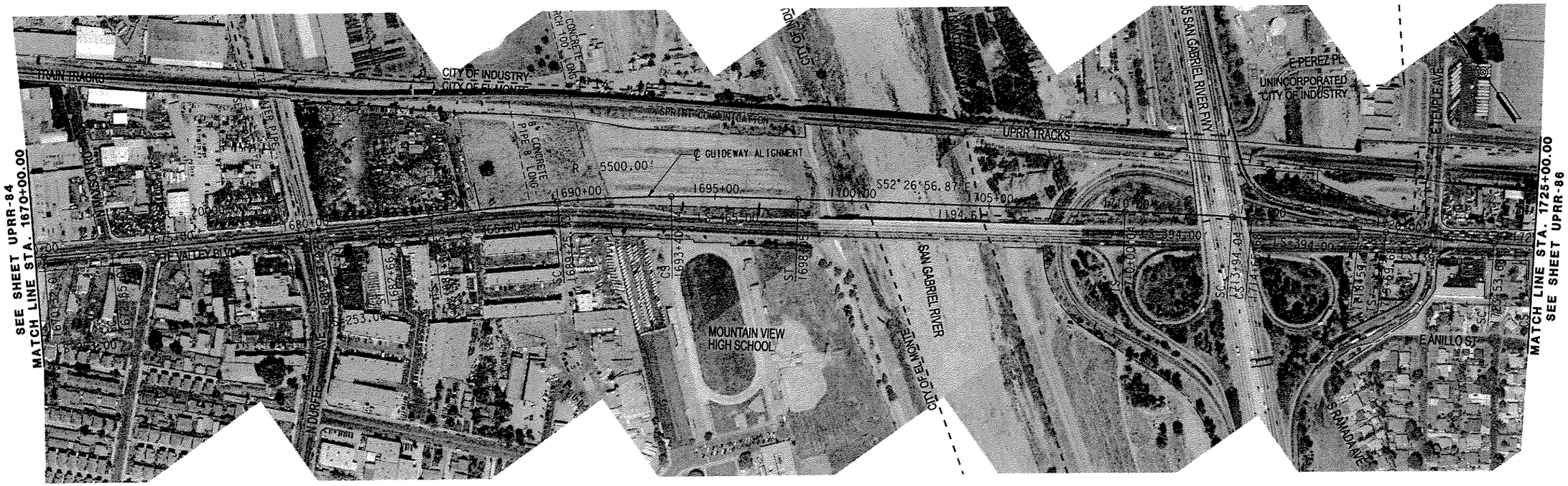
REVISION

SHEET NO. 84

SCALE: HOR: 1" = 400' VER: 1" = 40'

PROJECT | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT

User: BUSERNAME Date Printed: 7-27-2006 3:02:20 PM
File Name: I:\Proj\Maglev\Civil-Cont_Dn2\Maglev\Plans\UPRR_84.dgn



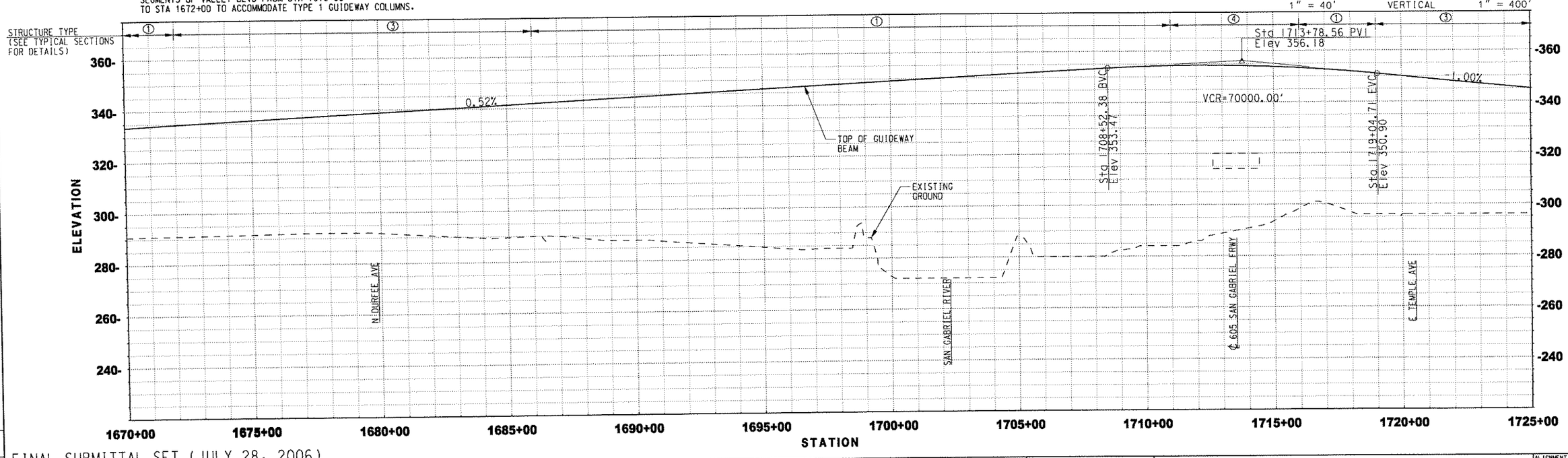
NOTE:

1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1670+00 TO STA 1672+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1670+00.00 TO STA 1725+00.00

ALIGNMENT: UPRR

PART: PART 2

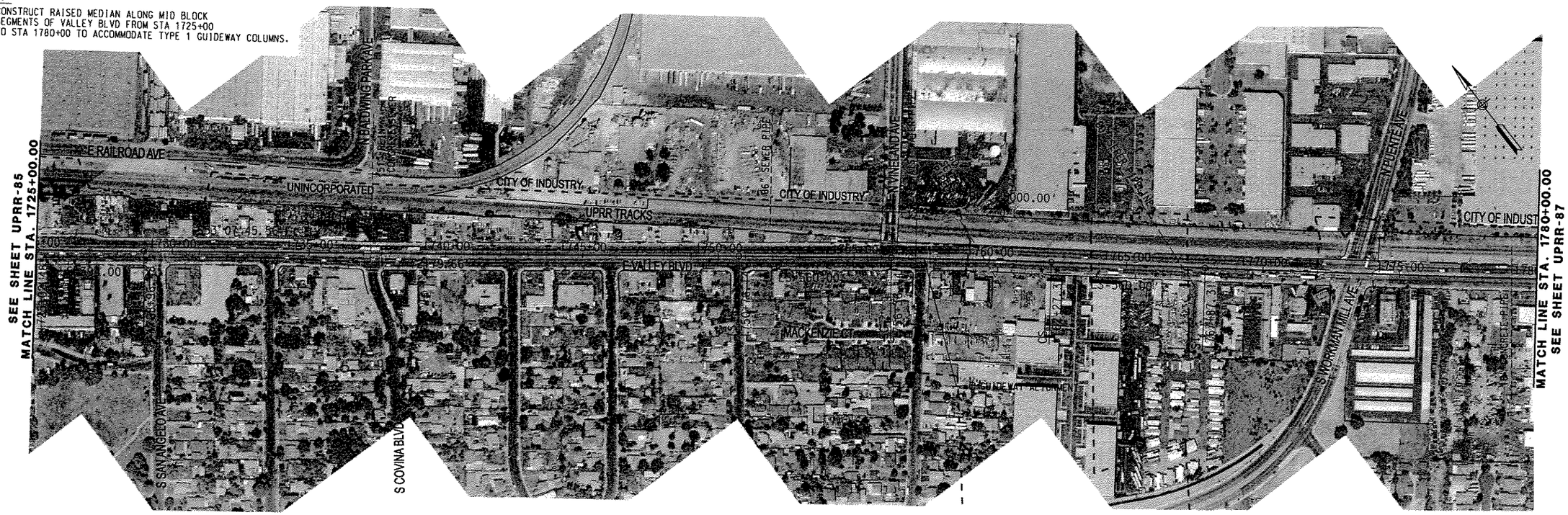
REVISION

SHEET NO. 85

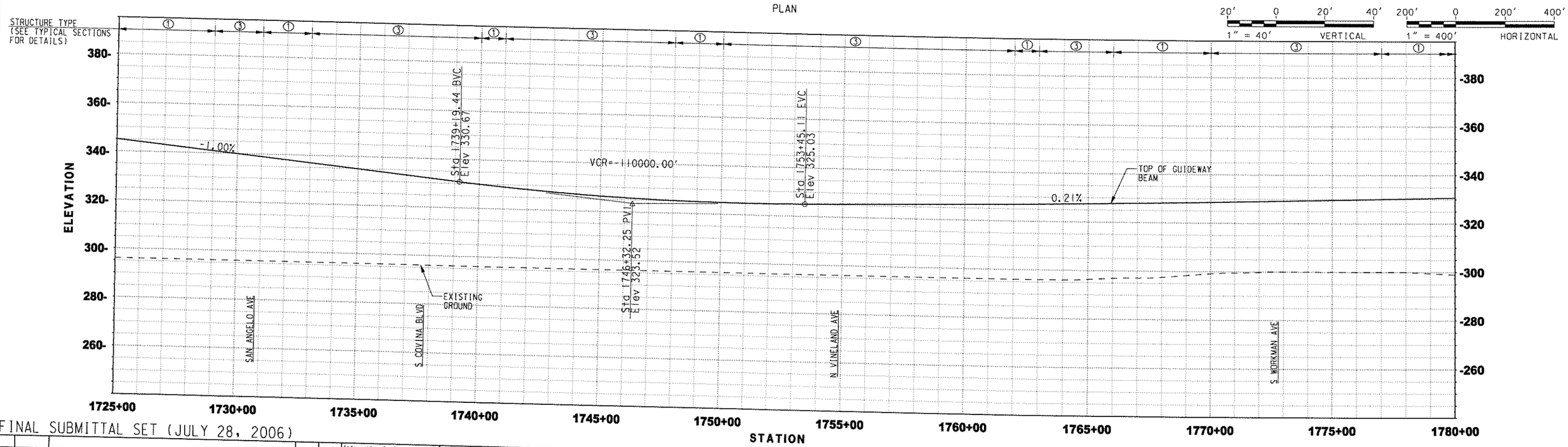
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTE:

1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1725+00 TO STA 1780+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN



FINAL SUBMITTAL SET (JULY 28, 2006)

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1725+00.00 TO STA 1780+00.00

ALIGNMENT: UPRR

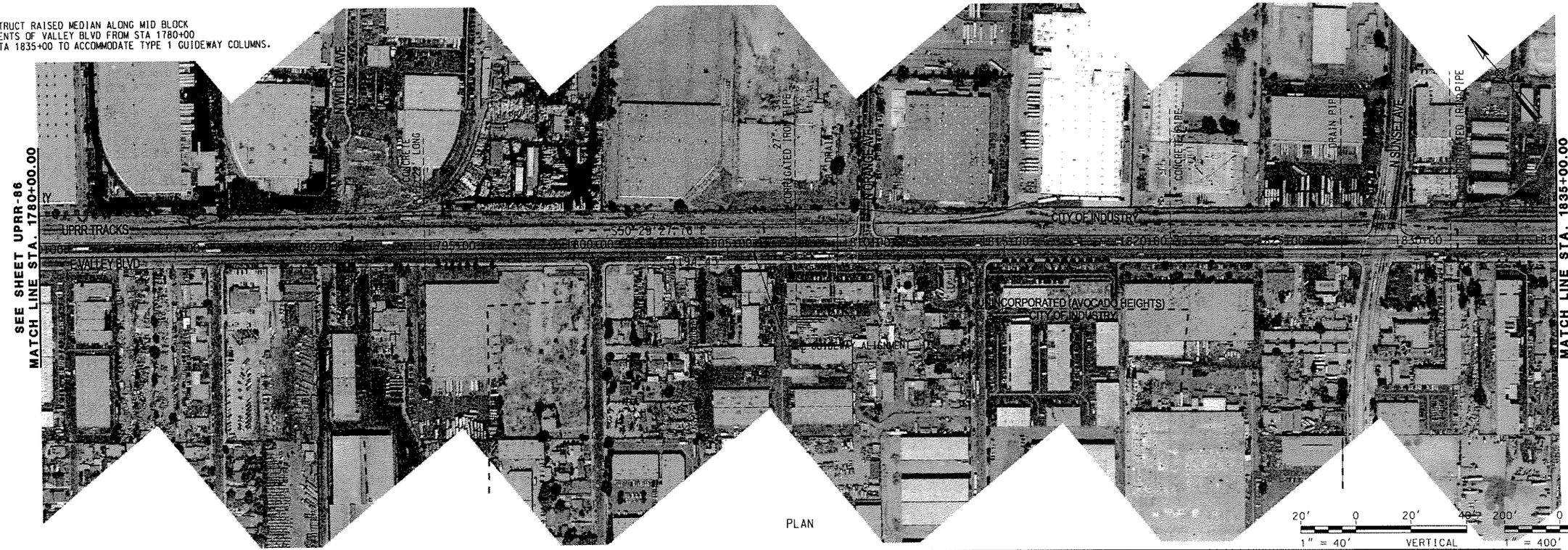
PART: PART 2

REVISION

SHEET NO. 86

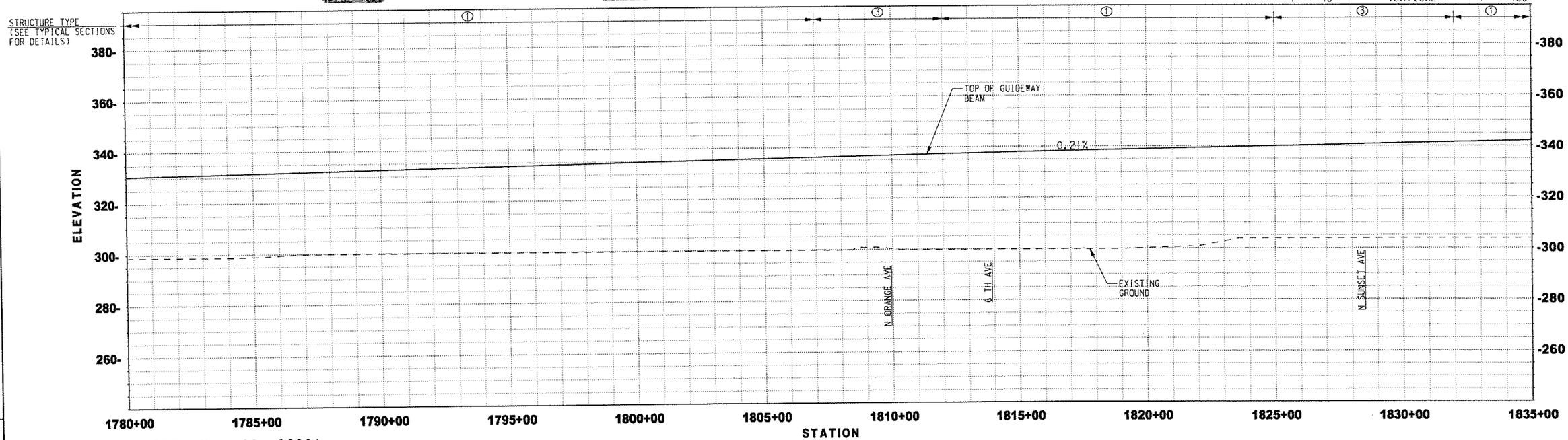
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1780+00 TO STA 1835+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 400' 200' 0 200' 400'
1" = 40' VERTICAL 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV	DATE	DESCRIPTION	BY	CHK	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

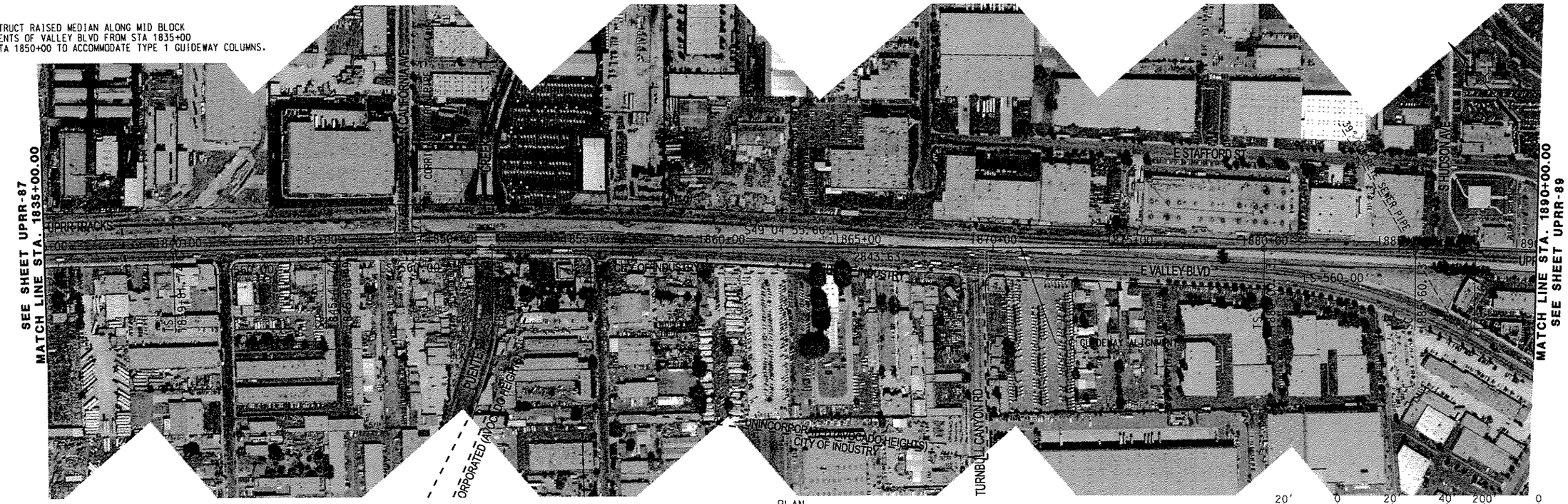
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1780+00.00 TO STA 1835+00.00

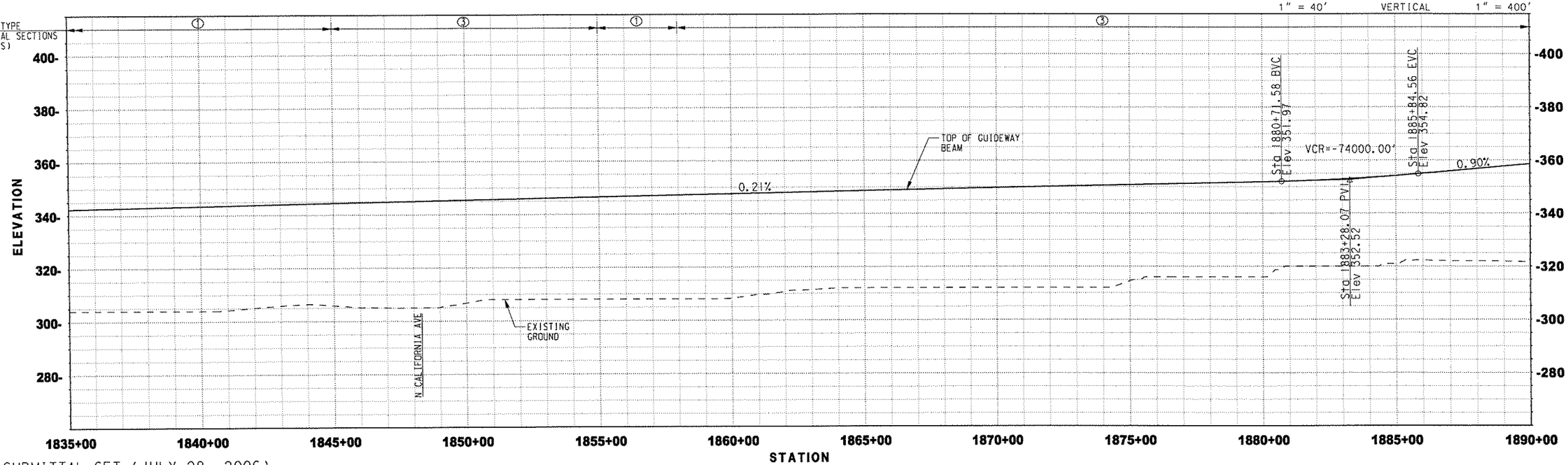
ALIGNMENT: UPRR
PART: PART 2
REVISION
SHEET NO. 87
SCALE: HOR: 1" = 400' VER: 1" = 40'

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1835+00 TO STA 1850+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20 40 200' 0 200' 400'
1" = 40' VERTICAL 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY / SUB.	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential: said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1835+00.00 TO STA 1890+00.00

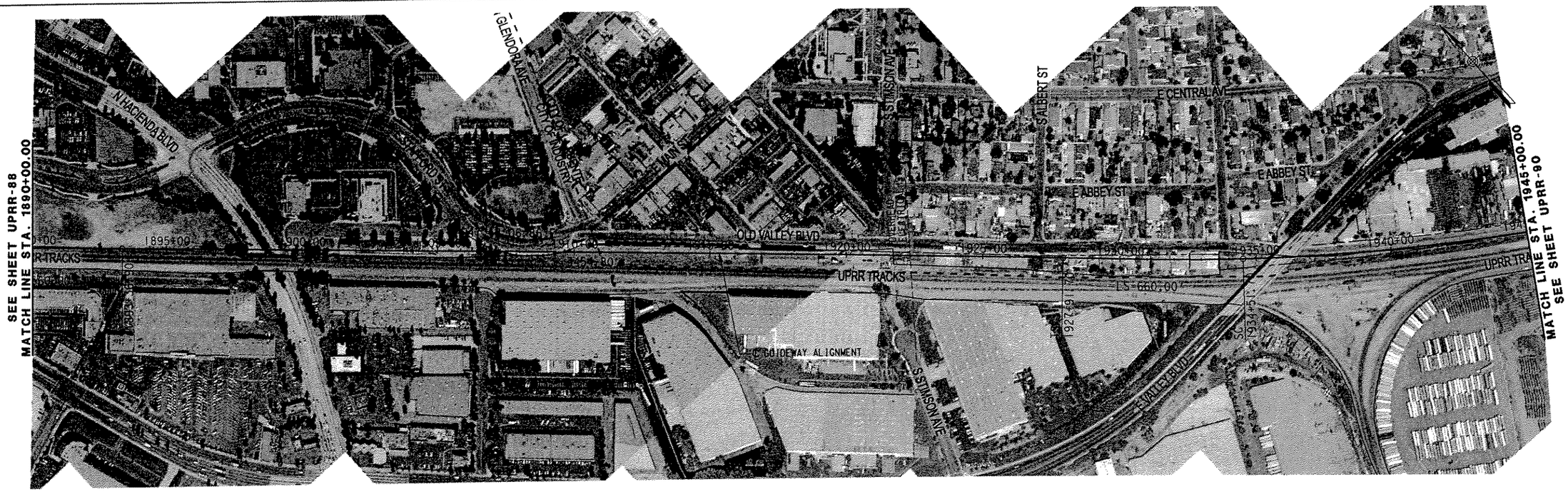
ALIGNMENT UPRR

PART PART 2

REVISION

SHEET NO. 88

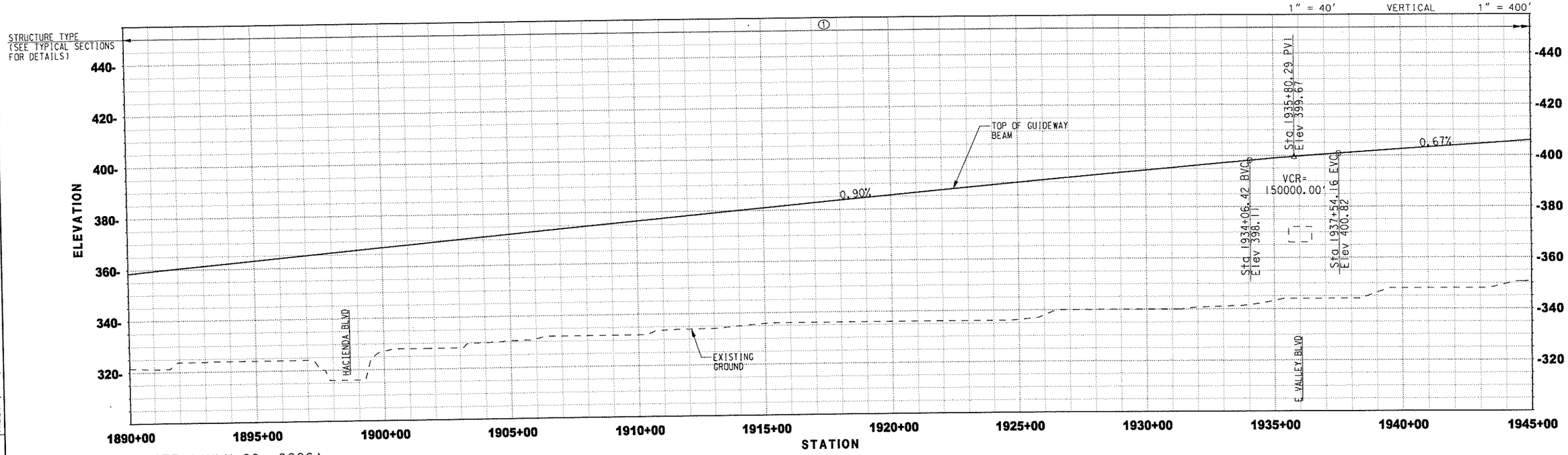
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC3.2

FRA Grant Agreement NO. DTFRDV-04-H-60053

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1890+00.00 TO STA 1945+00.00

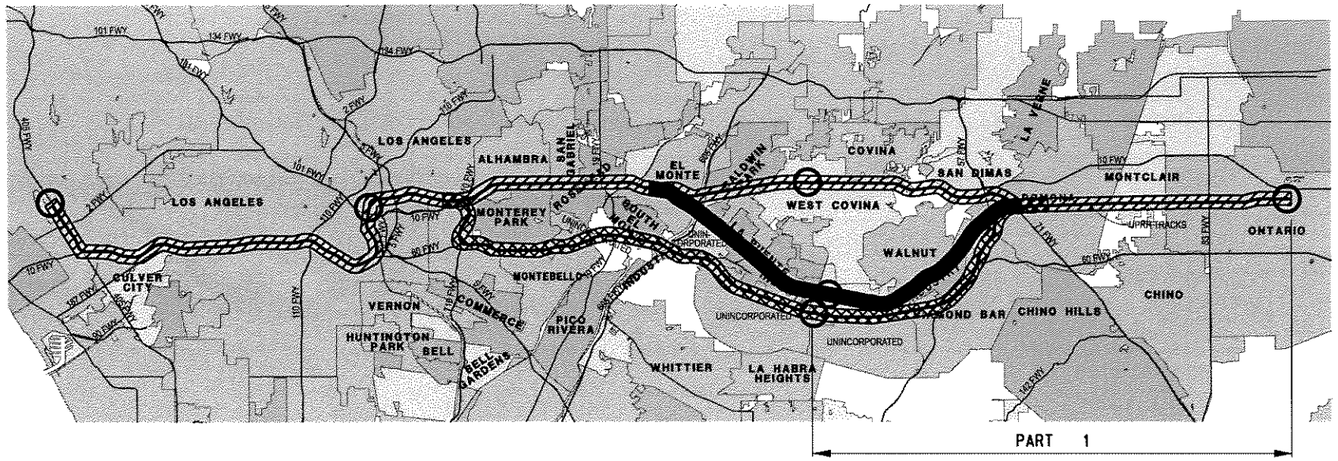
ALIGNMENT: UPRR

PART: PART 2

REVISION:

SHEET NO. 89

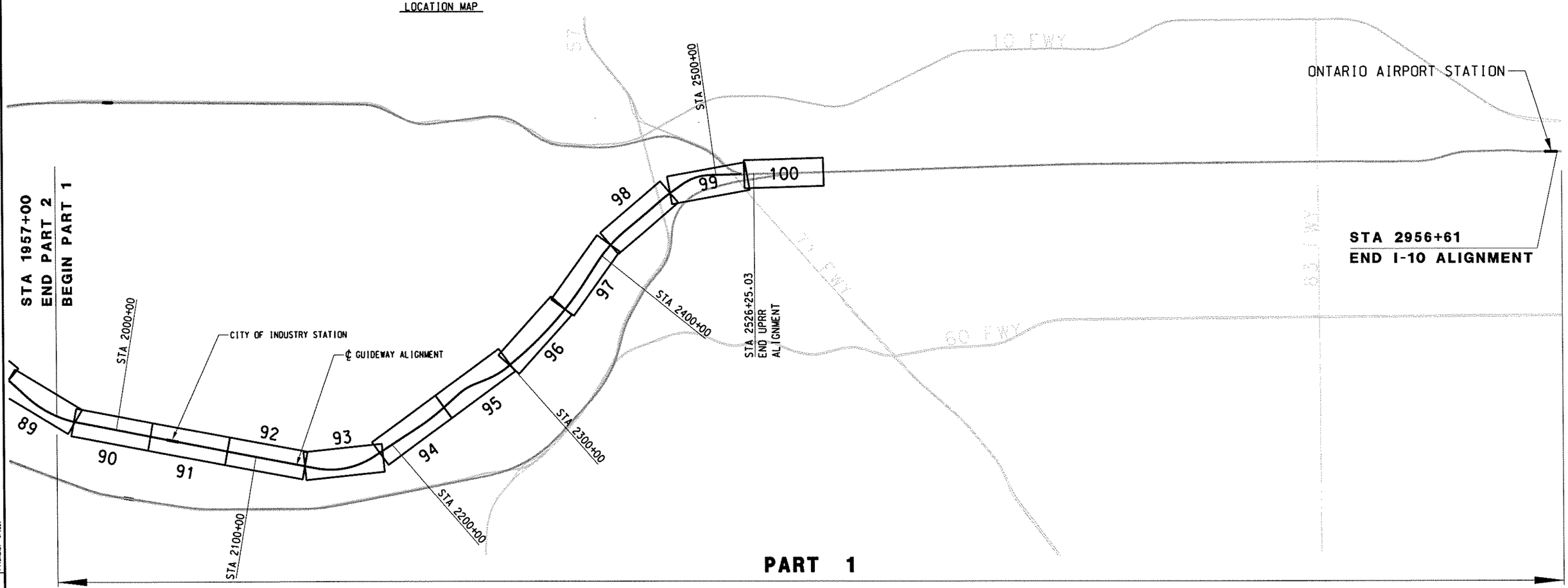
SCALE: HOR: 1" = 400' VER: 1" = 40'



LOCATION MAP

LEGEND

- I-10 ALIGNMENT
- SR-60 ALIGNMENT
- UPRR ALIGNMENT
- PLAN SHEET LIMITS
- ℄ I-10 ALIGNMENT & ℄ SR-60 ALIGNMENT
- 3 PLAN SHEET NUMBER
- STATION



FINAL SUBMITTAL (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MC
DRAWN BY	CBC
CHECKED BY	DCH
APPROVED BY	DCH
DATE	07/28/06

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SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM
PHASE II
UPRR ALIGNMENT
KEYMAP PLAN / PART 1
SAN GABRIEL VALLEY TO ONTARIO INTERNATIONAL AIRPORT

ALIGNMENT: UPRR

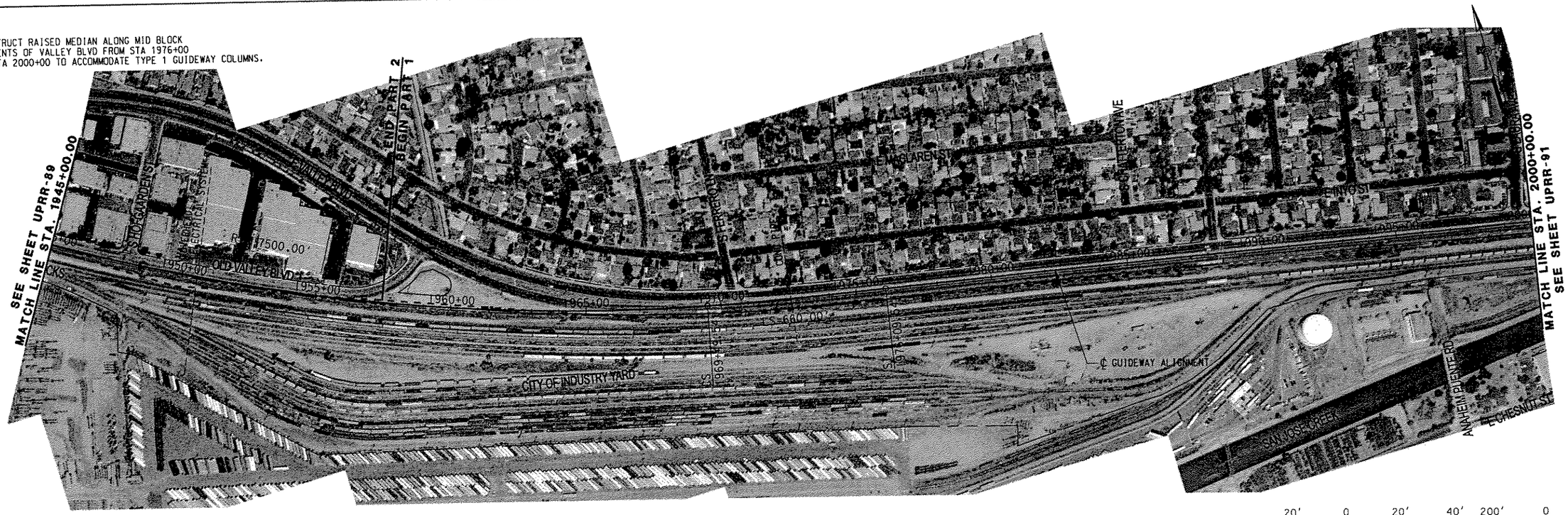
PART: PART 1

REVISION

SHEET NO. 2 OF 2

SCALE: HOR: 1" = 400' VER: 1" = 40'

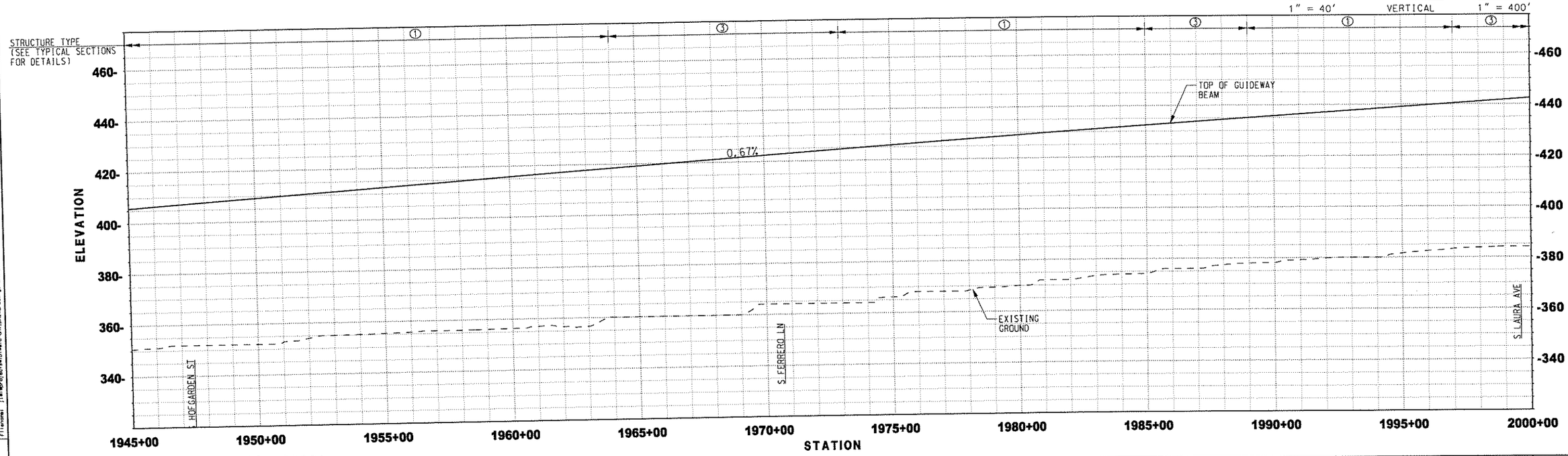
NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 1976+00 TO STA 2000+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

COPY LETTER	LINE	CONTRACT NUMBER	DESCRIPTION	DATE	WORK ELEMENT

User: BUSERNAME Date Plotted: 7/31/2006 3:04:30 PM Filename: j:\engprojects\maglev\uprr\phase2\uprrmaglevgeo90PRL-90.prt

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 1945+00.00 TO STA 2000+00.00

ALIGNMENT: UPRR

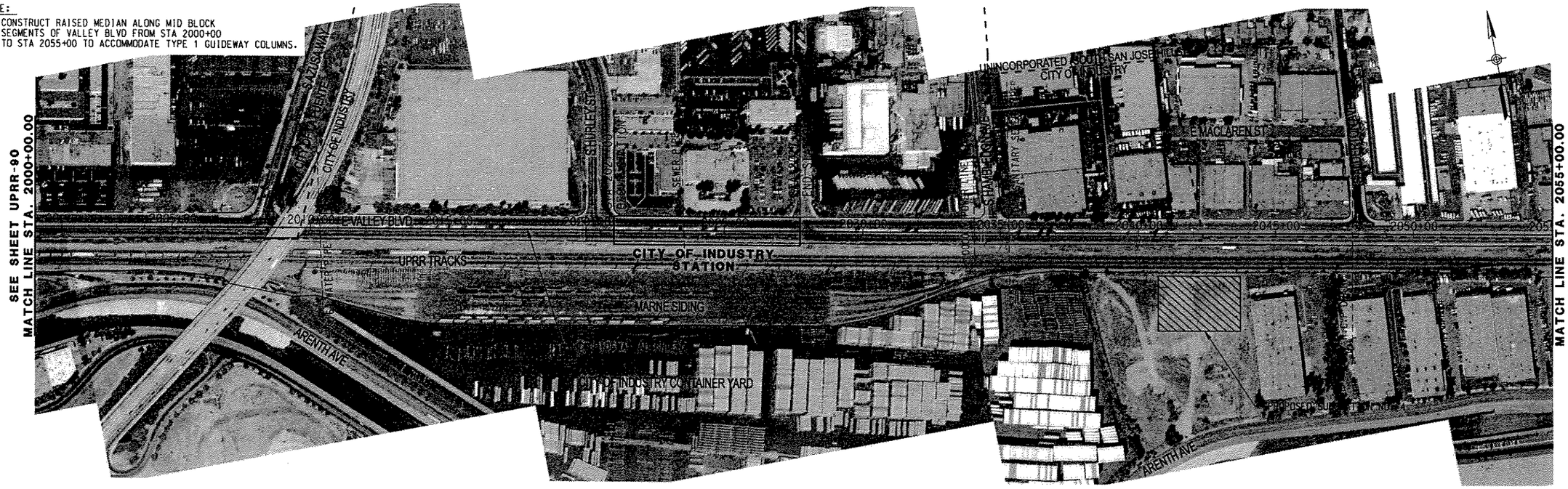
PART: PART 1

REVISION

SHEET NO. 90

SCALE: HOR: 1" = 400' VER: 1" = 40'

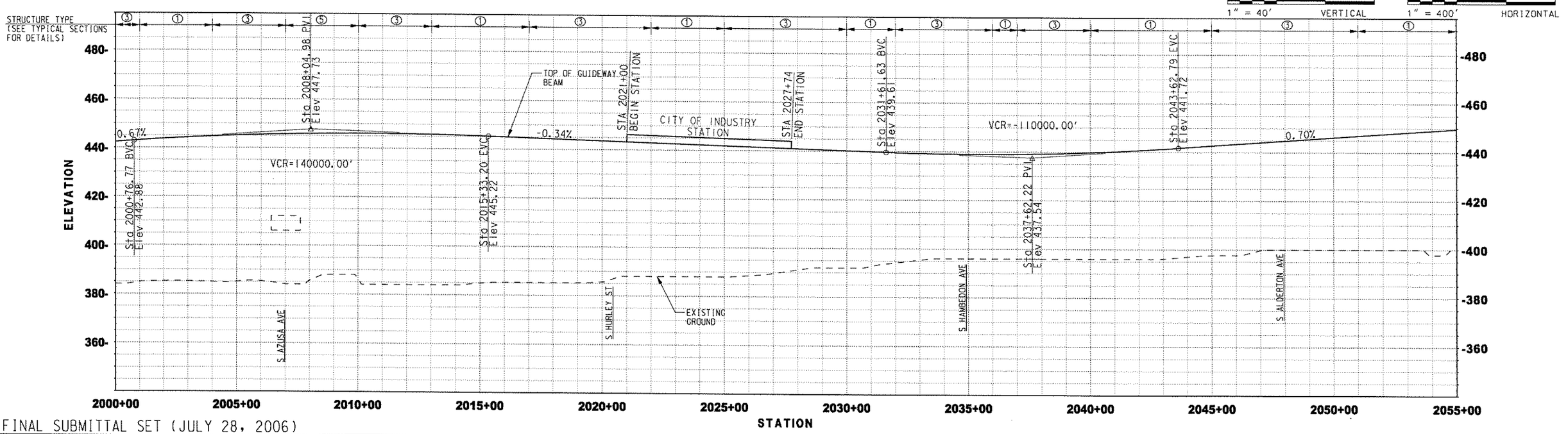
NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2000+00 TO STA 2055+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	CHK	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2000+00.00 TO STA 2055+00.00

ALIGNMENT: UPRR

PART: PART 1

REVISION

SHEET NO. 91

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: BIEBERNAME
Date Plotted: 7/31/2006 3:04:51 PM
Filename: I:\projects\Horizon\dgn\MagLev\UPRR_91.dgn

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT

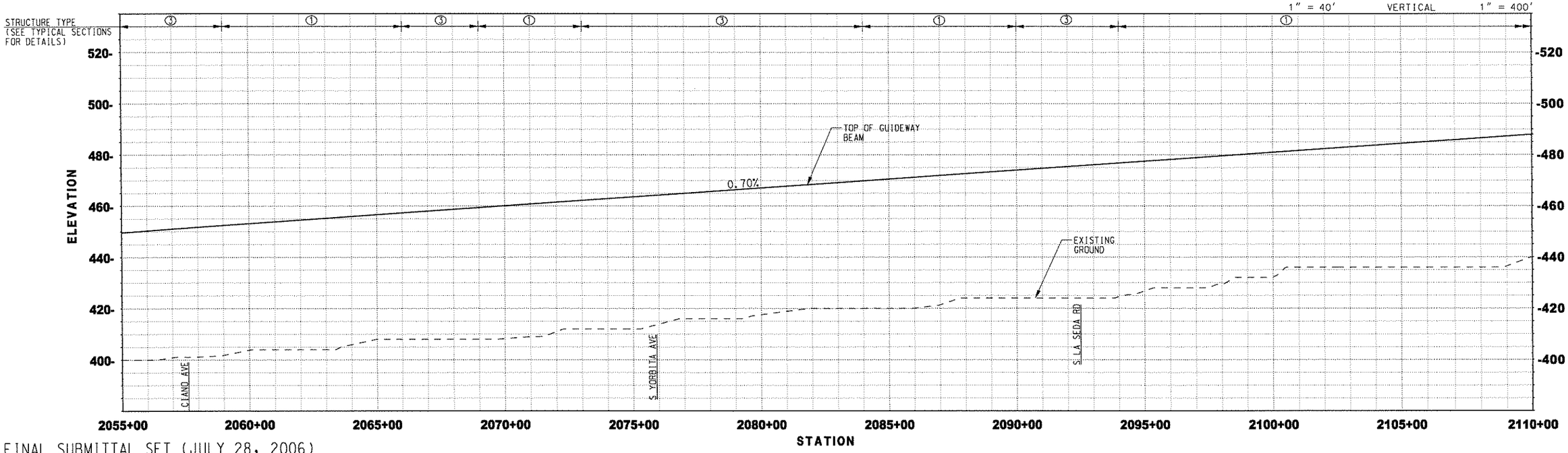
NOTE:

1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2055+00 TO STA 2110+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

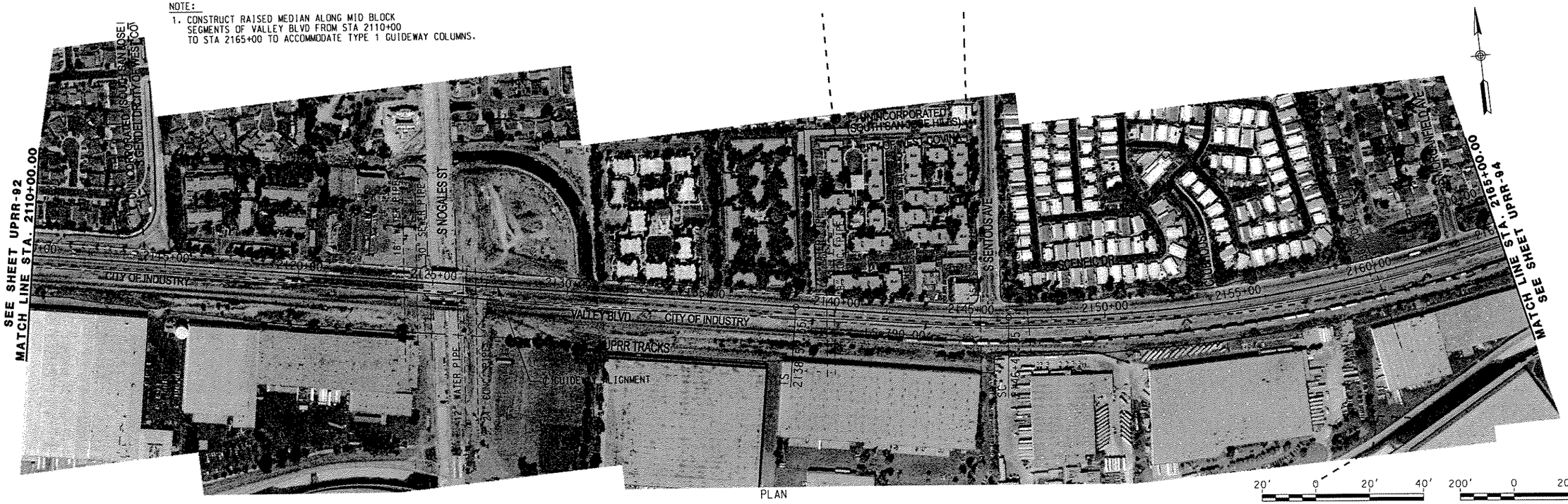
FROM STA 2055+00.00 TO STA 2110+00.00

ALIGNMENT	UPRR
PART	PART 1
REVISION	
SHEET NO.	92
SCALE:	HOR: 1" = 400' VER: 1" = 40'

User: RUSERNAME
Date Plotted: 7/31/2006 3:05:13 PM
Filename: I:\maglev\projects\plan\c-crt.pp2\drawings\UPRR-92.dgn

PROJECT NUMBER | COORD. SYSTEM | LINE & STATION | CONTRACT NO. | PHYSICAL DIMENSIONS | CLIENT

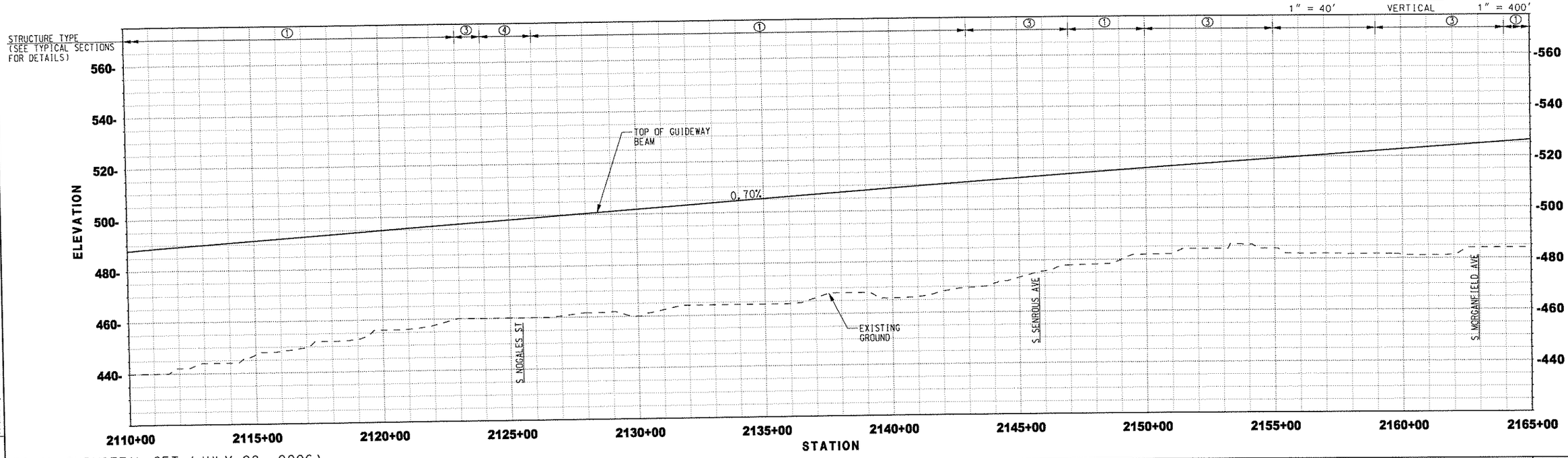
NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2110+00 TO STA 2165+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

User: NUSERNAME
Date Plotted: 7/31/2006 11:05:15 PM
Filename: J:\engproj\ecsenp1\newcrgnt.p2\engrawings\UPRR_93.dgn

CCT ON ELEMENT	COST ITEM	CONTRACT INTERSECTION	PHYSICAL ENTITY	WORK ELEMENT

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APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CONSULTING ENGINEERS

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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

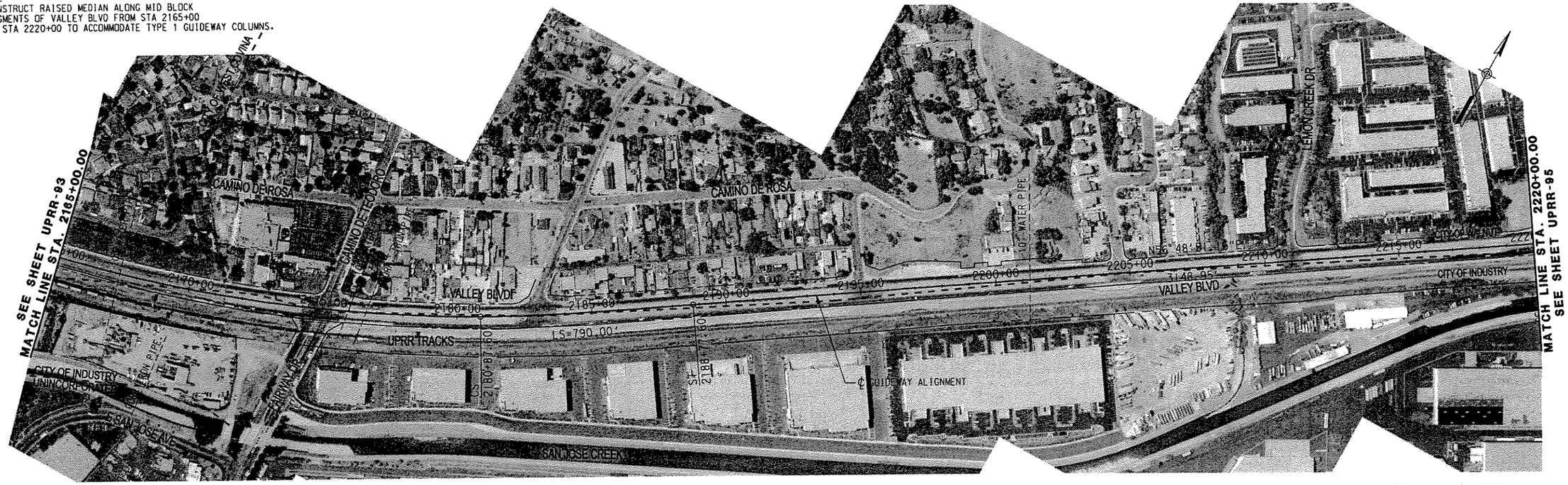
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2110+00.00 TO STA 2165+00.00

ALIGNMENT	UPRR
PART	PART 1
REVISION	SHEET NO. 93
SCALE:	HOR: 1" = 400' VER: 1" = 40'

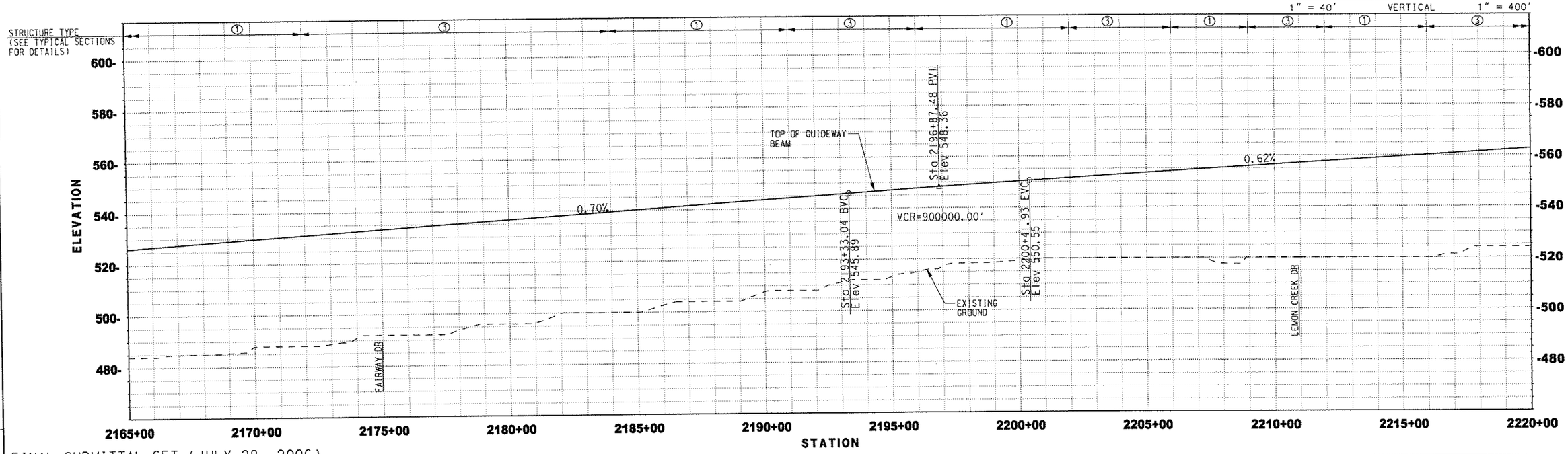
NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2165+00 TO STA 2220+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

DATE	DESCRIPTION	BY	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2165+00.00 TO STA 2220+00.00

ALIGNMENT: UPRR

PART: PART 1

REVISION

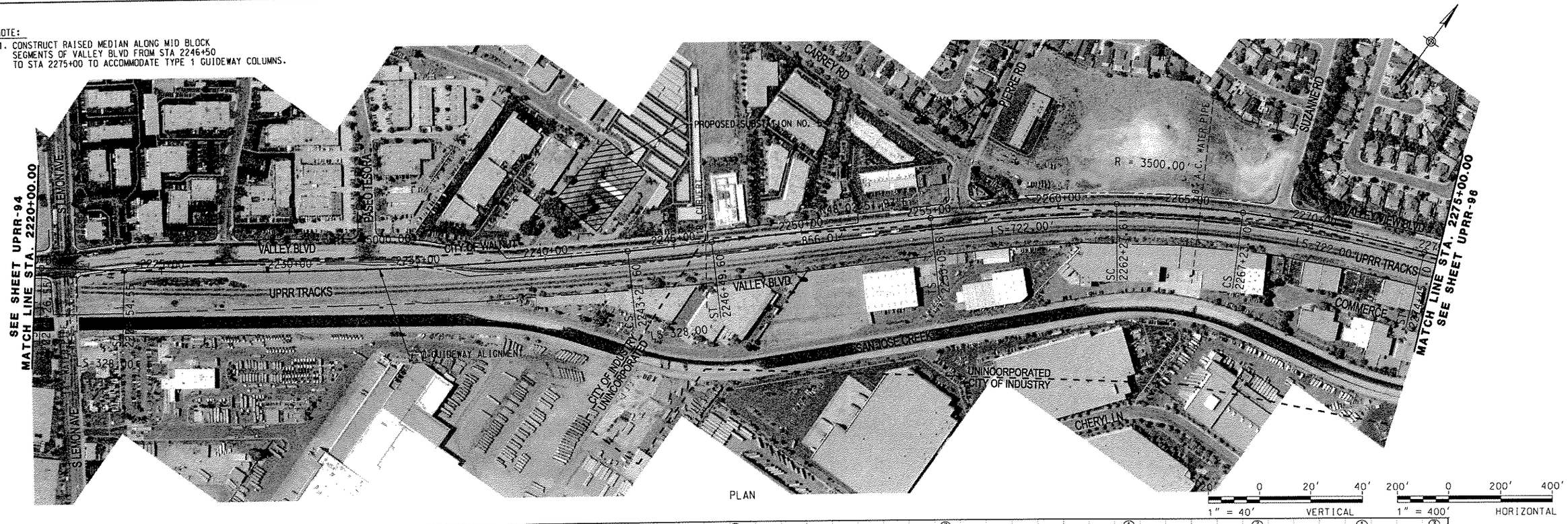
SHEET NO. 94

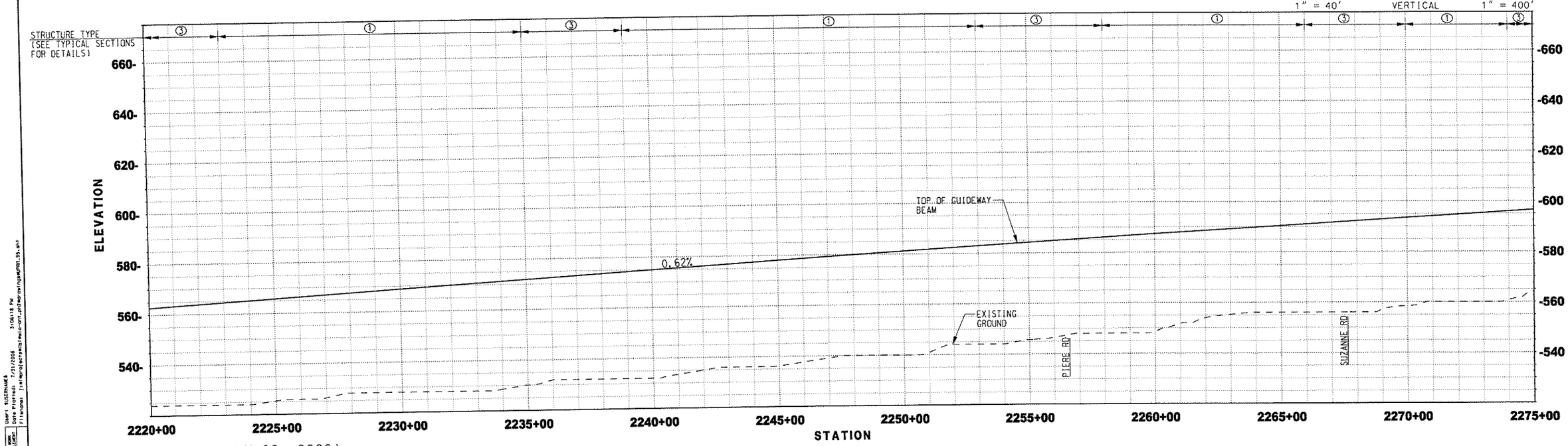
SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: RUSELMANCE
DATE: 7/31/2006 3:05:56 PM
FILENAME: I:\mapprojects\miscprojects\maglev\uprr-cont_pm2\drawings\PRR_94.dgn

WORK ELEMENT | PHYSICAL DESIGNATION | CONTRACT DESIGNATION | LINE ITEM | COST ELEMENT | OBJECT INDEX

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2246+50 TO STA 2275+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.





FINAL SUBMITTAL SET (JULY 28, 2006)

DESIGNED BY	MAC		
DRAWN BY	SR		
CHECKED BY	PM		
APPROVED BY	JLP		
DATE	07/28/06		

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WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

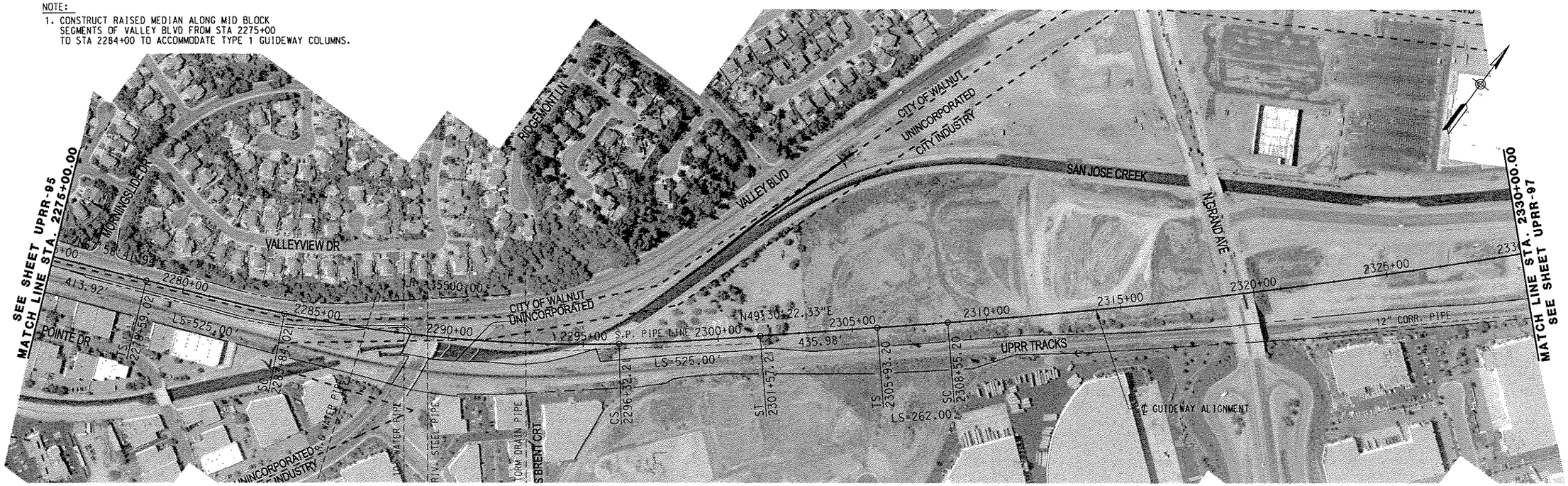
MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2220+00.00 TO STA 2275+00.00

ALIGNMENT	UPRR
PART	PART 1
REVISION	
SHEET NO.	95
SCALE:	HOR: 1" = 400' VER: 1" = 40'

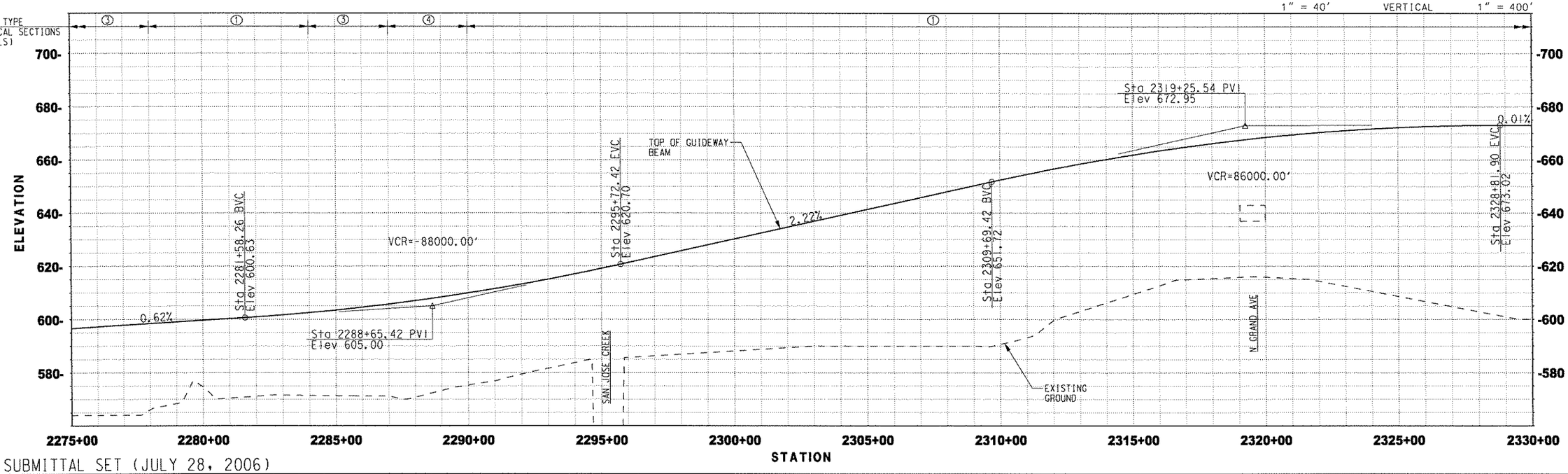
NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF VALLEY BLVD FROM STA 2275+00 TO STA 2284+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

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DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL-TRANSPORTATION ENGINEERING

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MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2275+00.00 TO STA 2330+00.00

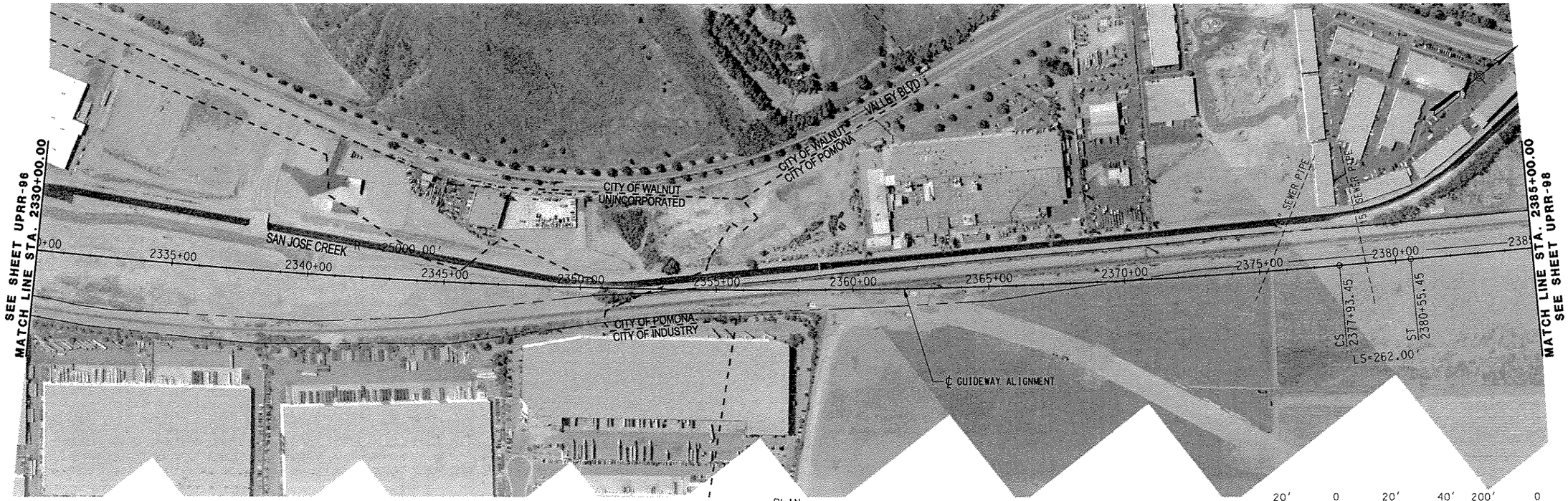
ALIGNMENT: UPRR

PART: PART 1

REVISION

SHEET NO. 96

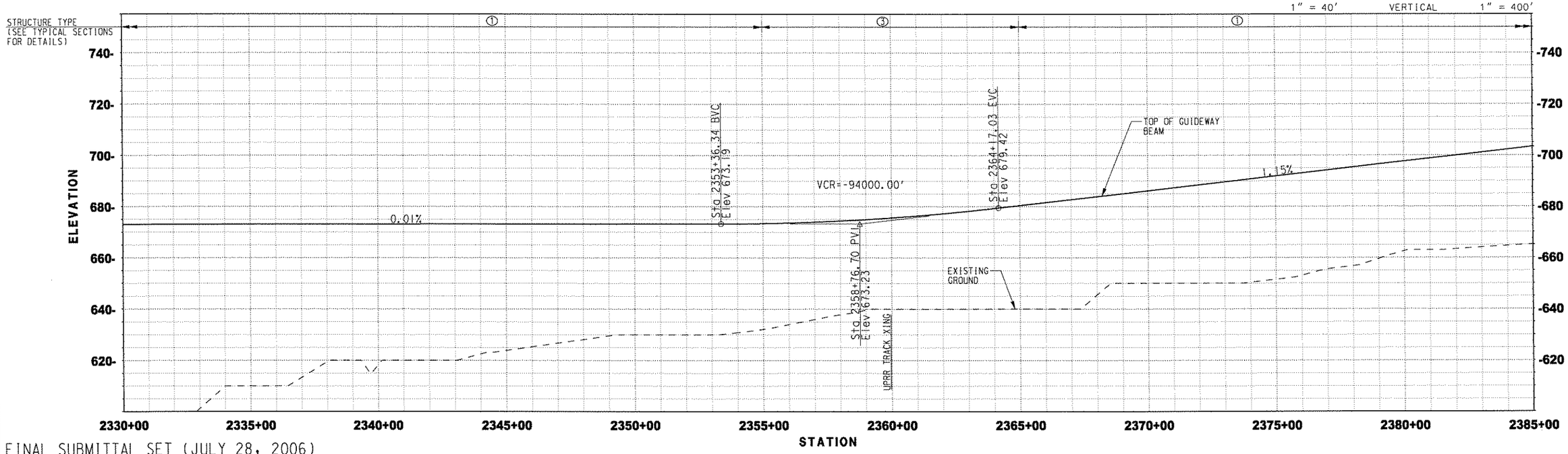
SCALE: HOR: 1" = 400' VER: 1" = 40'



PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	APP.

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CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

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WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2330+00.00 TO STA 2385+00.00

ALIGNMENT: UPRR

PART: PART 1

REVISION | SHEET NO. 97

SCALE: HOR: 1" = 400' VER: 1" = 40'

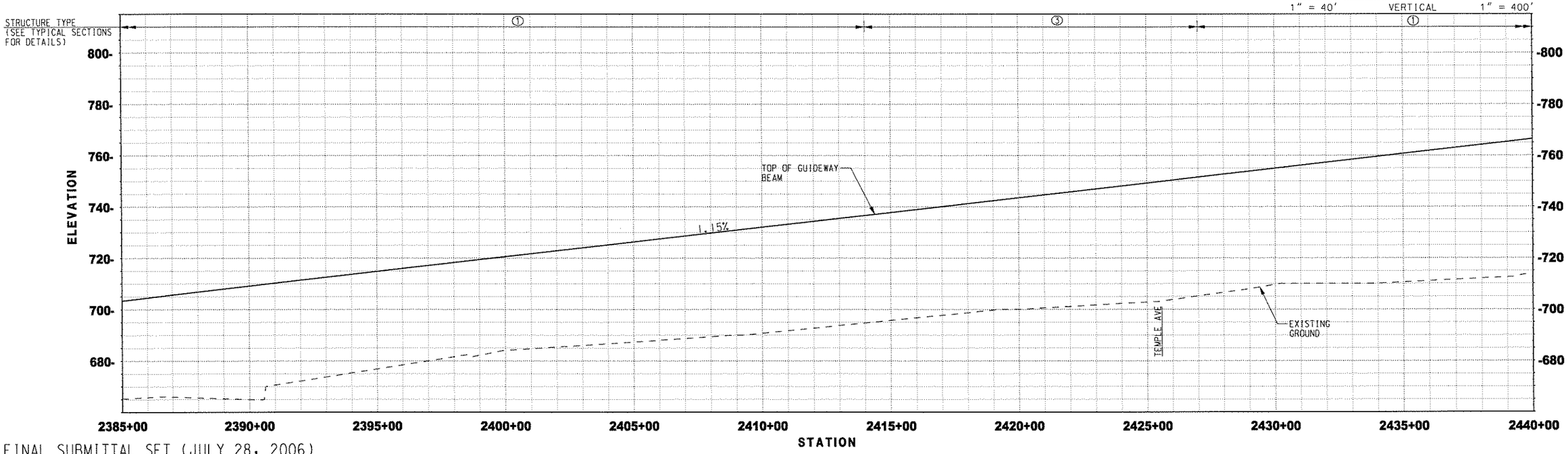
User: BUSDHANES
Date Plotted: 7/31/2006 3:07:02 PM
Filename: I:\Projects\Maglev\Alignment\UPRR_97.mt

NOTE:
1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF POMONA BLVD FROM STA 2426+00 TO STA 2440+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

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CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL TRANSPORTATION ENGINEERING

IBI GROUP

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WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2385+00.00 TO STA 2440+00.00

ALIGNMENT: UPRR

PART: PART 1

REVISION

SHEET NO. 98

SCALE: HOR: 1" = 400' VER: 1" = 40'

USER: SUSERNAME$ Date Plotted: 7/31/2006 3:07:22 PM Filename: J:\mapprojects\bin\revisions\PROJECT\drawings\PRL_59.prt

PROJECT MANAGER | CCDR LEADER | LNG CONTROL | CONTRACT SECTION | WORK ELEMENT

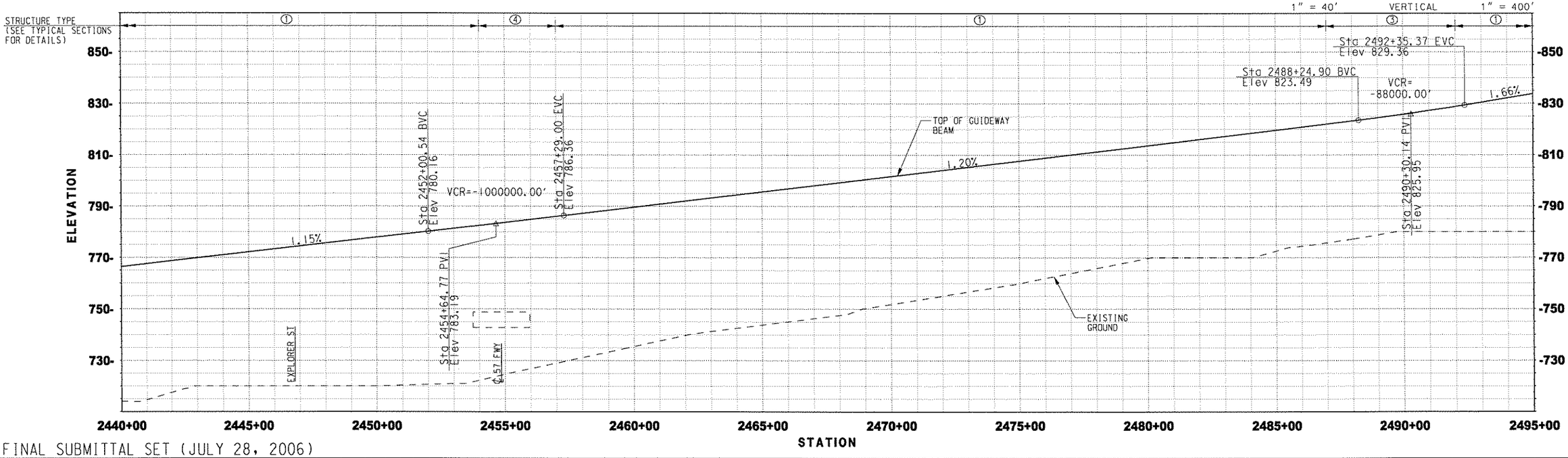
NOTE:

1. CONSTRUCT RAISED MEDIAN ALONG MID BLOCK SEGMENTS OF POMONA BLVD FROM STA 2440+00 TO STA 2447+00 TO ACCOMMODATE TYPE 1 GUIDEWAY COLUMNS.

PLAN

20' 0 20' 40' 1" = 40' VERTICAL

200' 0 200' 400' 1" = 400' HORIZONTAL



FINAL SUBMITTAL SET (JULY 28, 2006)

REV.	DATE	DESCRIPTION	BY	SUB.	APP.

Information Confidential: all plans, drawings, specifications and or information furnished herewith shall remain the property of the Southern California Association of Governments and shall be held strictly confidential; said information shall not be used for any purpose not provided for in agreements with the Southern California Association of Governments

DESIGNED BY	MAC
DRAWN BY	SR
CHECKED BY	PM
APPROVED BY	JLP
DATE	07/28/06

PATTERSON & ASSOCIATES, INC. CIVIL/TRANSPORTATION ENGINEERING

IBI GROUP

MAGLEV TURNING THE VISION INTO REALITY

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

WORK ELEMENT NO. 05-240.SCGC2.2

FRA Grant Agreement NO. DTFRDV-04-H-60029

MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2440+00.00 TO STA 2495+00.00

ALIGNMENT: UPRR

PART: PART 1

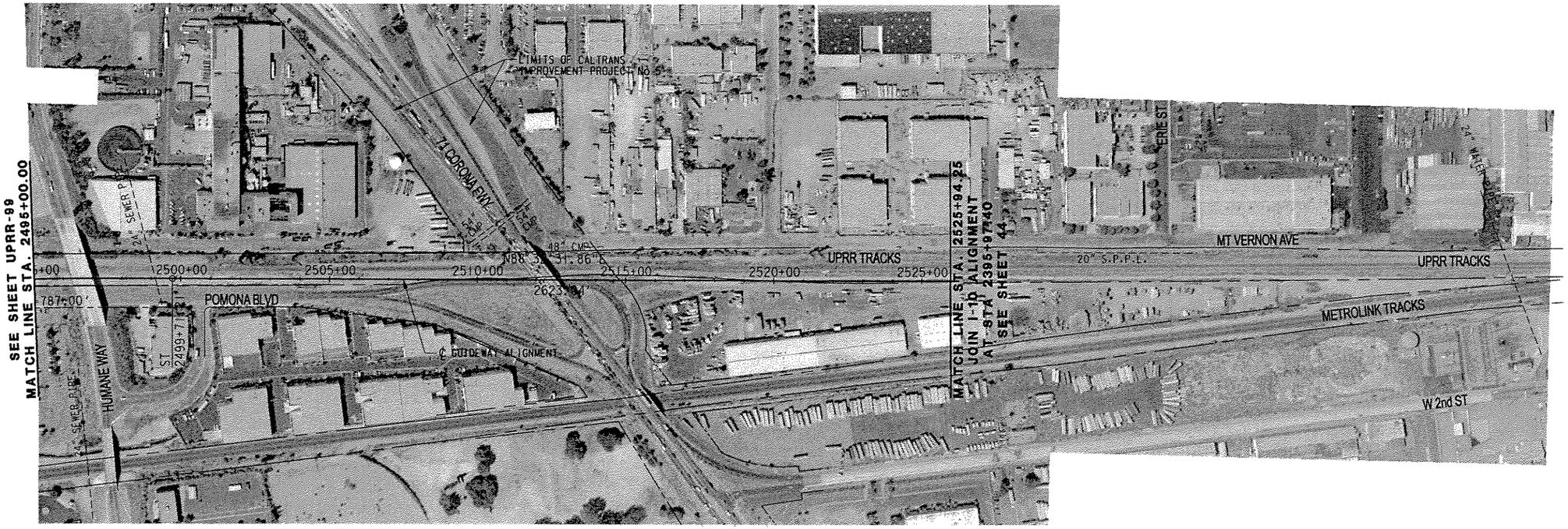
REVISION

SHEET NO. 99

SCALE: HOR: 1" = 400' VER: 1" = 40'

User: RUSERNAME Date Plotted: 7/31/2006 3:07:44 PM Filename: J:\projects\b\uprr-part2\drawings\UPRR_99.dgn

PROJECT MANAGER | COST ESTIMATOR | LIN. SCHEDULER | CONTRACT ADMIN. | PROJECT ENGINEER | DESIGN ENGINEER | DRAWN BY



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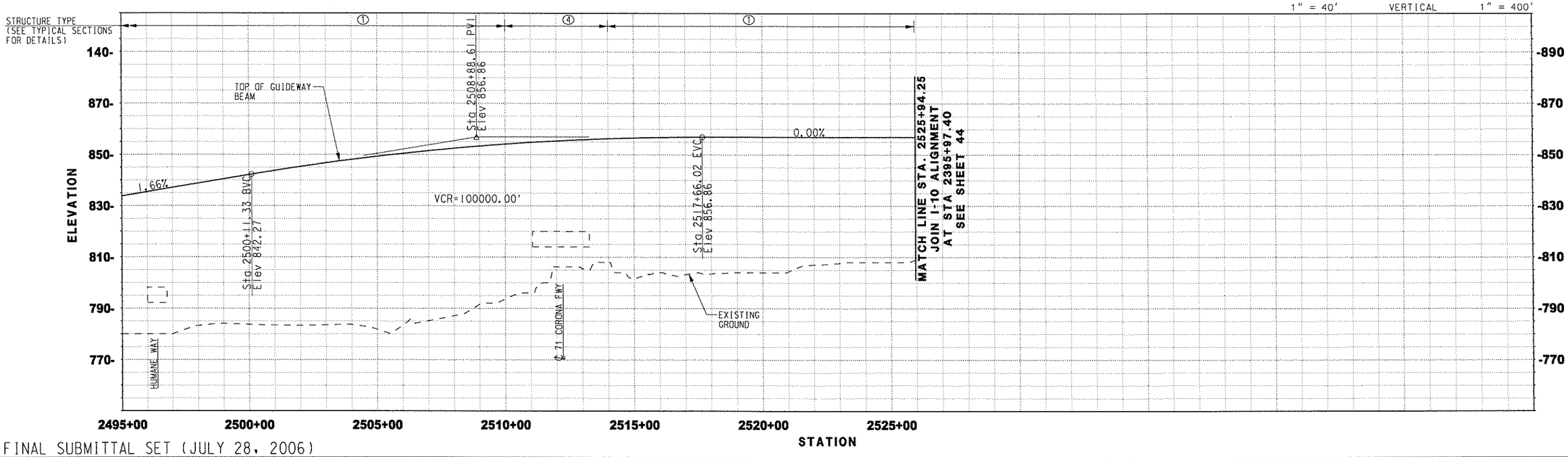

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MAGLEV DEPLOYMENT PROGRAM PHASE II

GUIDEWAY ALIGNMENT

FROM STA 2495+00.00 TO STA 2525+94.25

ALIGNMENT: UPRR

PART: PART 1

REVISION

SHEET NO. 100

SCALE: HOR: 1" = 400' VER: 1" = 40'

User: RUSERNAME Date Plotted: 7/31/2006 3:08:08 PM Filename: J:\maglev\alternatives\plan\prot_pk2\drawings\UPRR_100.dwg