

WORK IN PROGRESS

**ADVANCED CONCEPTUAL
ENGINEERING**

SR-710 NORTH STUDY

**FEBRUARY 7, 2014
CONTRACT NO.**

SR-710 NORTH STUDY - LRT ALTERNATIVE

FEBRUARY 7, 2014



	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
	SUBMITTED _____ APPROVED _____

SHT NO.	DWG NO.	DRAWING TITLE	2/7/14 SUBMITTAL
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■ DRAWINGS CHANGED IN THIS SUBMITTAL

SHT NO.	DWG NO.	DRAWING TITLE	2/7/14 SUBMITTAL	
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SHT NO.	DWG NO.	DRAWING TITLE	2/7/14 SUBMITTAL	
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		TC-114	TRACK ALIGNMENT - CROSS SECTIONS - SHT 14 OF 32	
		TC-115	TRACK ALIGNMENT - CROSS SECTIONS - SHT 15 OF 32	
		TC-116	TRACK ALIGNMENT - CROSS SECTIONS - SHT 16 OF 32	
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		TC-124	TRACK ALIGNMENT - CROSS SECTIONS - SHT 24 OF 32	
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		TC-127	TRACK ALIGNMENT - CROSS SECTIONS - SHT 27 OF 32	■
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PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
INDEX OF DRAWINGS
SHEET 1 OF 2

CONTRACT NO
DRAWING NO
G-001
SCALE
NONE
SHEET NO

SHT NO.	DWG NO.	DRAWING TITLE	2/7/14 SUBMITTAL
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■ DRAWINGS CHANGED IN THIS SUBMITTAL

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	B5-A-103	PLATFORM LEVEL PLAN AND LONGITUDINAL SECTION	
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	B5-A-106	TRANSVERSE SECTIONS	
		FILLMORE STATION	
	B6-A-101	SITE PLAN	
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	B6-A-104	CONCOURSE LEVEL PLAN	
	B6-A-105	ANCILLARY LEVEL PLAN	
	B6-A-106	LONGITUDINAL SECTION	
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		LANDSCAPE	
		CIVIC CENTER STATION	
	A1-L-001	PLAZA LANDSCAPE LAYOUT PLAN	
	A1-L-002	PLAZA CONCEPT RENDERING	
		FILLMORE STATION	
	B6-L-001	PLAZA LANDSCAPE LAYOUT PLAN	
	B6-L-002	PLAZA CONCEPT RENDERING	
		MAINTENANCE YARD AND SHOP	
	T-L-001	TRAIN YARD LANDSCAPE PLAN	

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

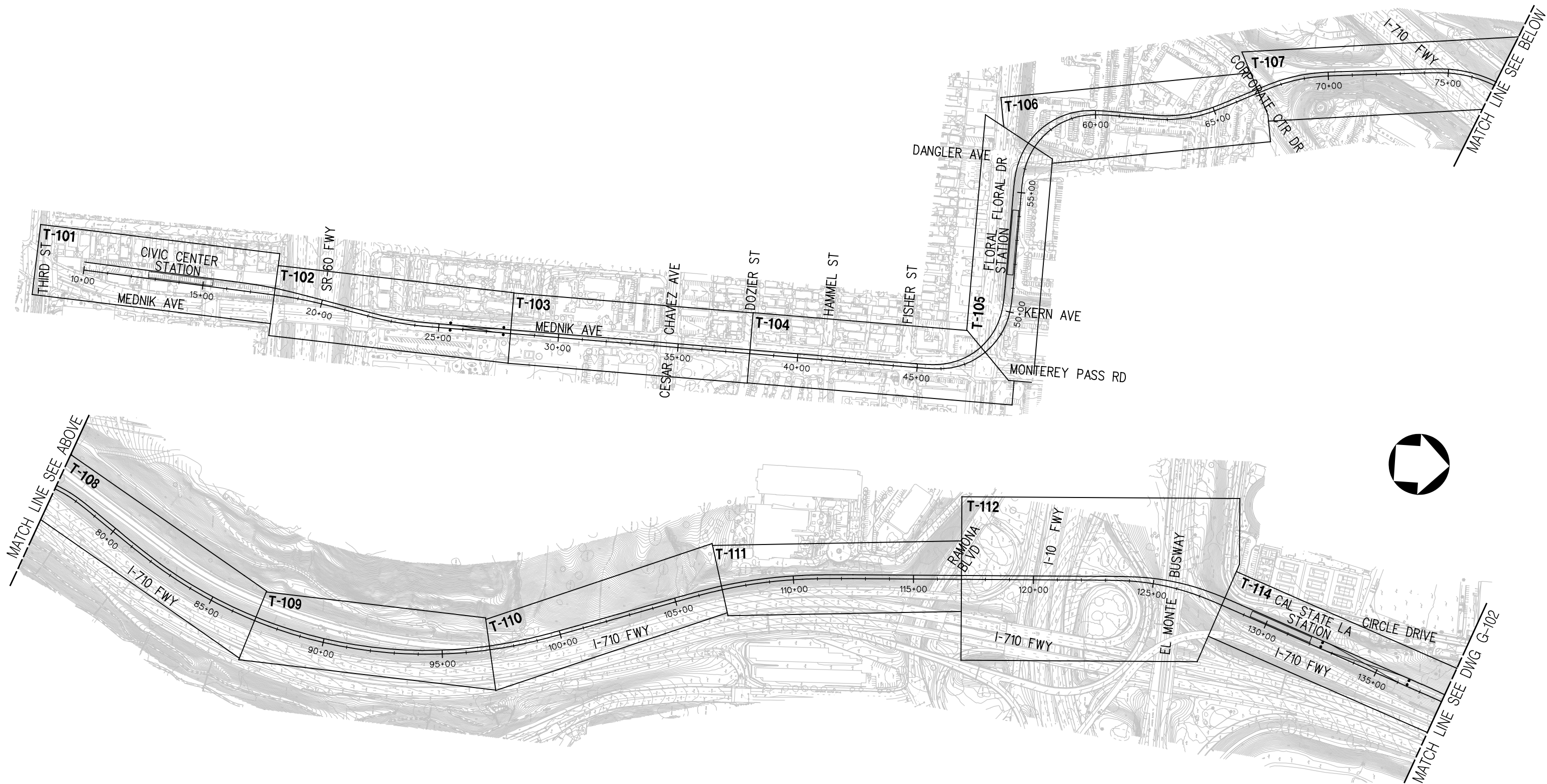
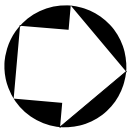
DESIGNED BY	F. ALVARADO
DRAWN BY	F. ALVARADO
CHECKED BY	J. AL-MASHAT
IN CHARGE	J. AL-MASHAT
DATE	8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

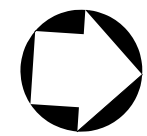
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
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SHEET 2 OF 2

CONTRACT NO	
DRAWING NO	G-002
SCALE	NONE
SHEET NO	



MATCH LINE SEE BELOW

MATCH LINE SEE ABOVE



MATCH LINE SEE DWG G-102

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
M. AL-MASHAT
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

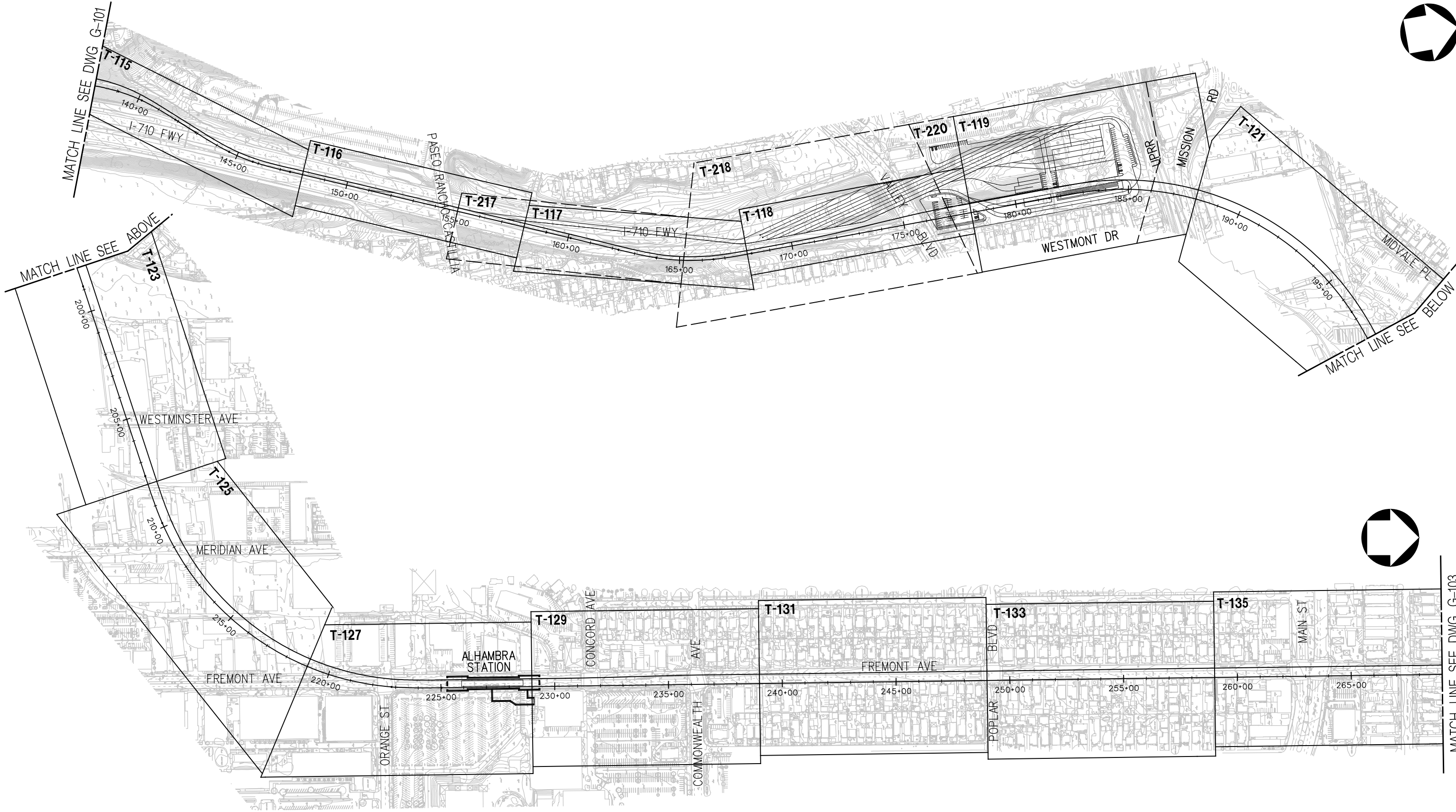
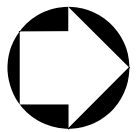


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN

KEY MAP
SHEET 1 OF 3

CONTRACT NO	
DRAWING NO G-101	REV 0
SCALE NO SCALE	
SHEET NO	



PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY M. AL-MASHAT
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN

KEY MAP
SHEET 2 OF 3

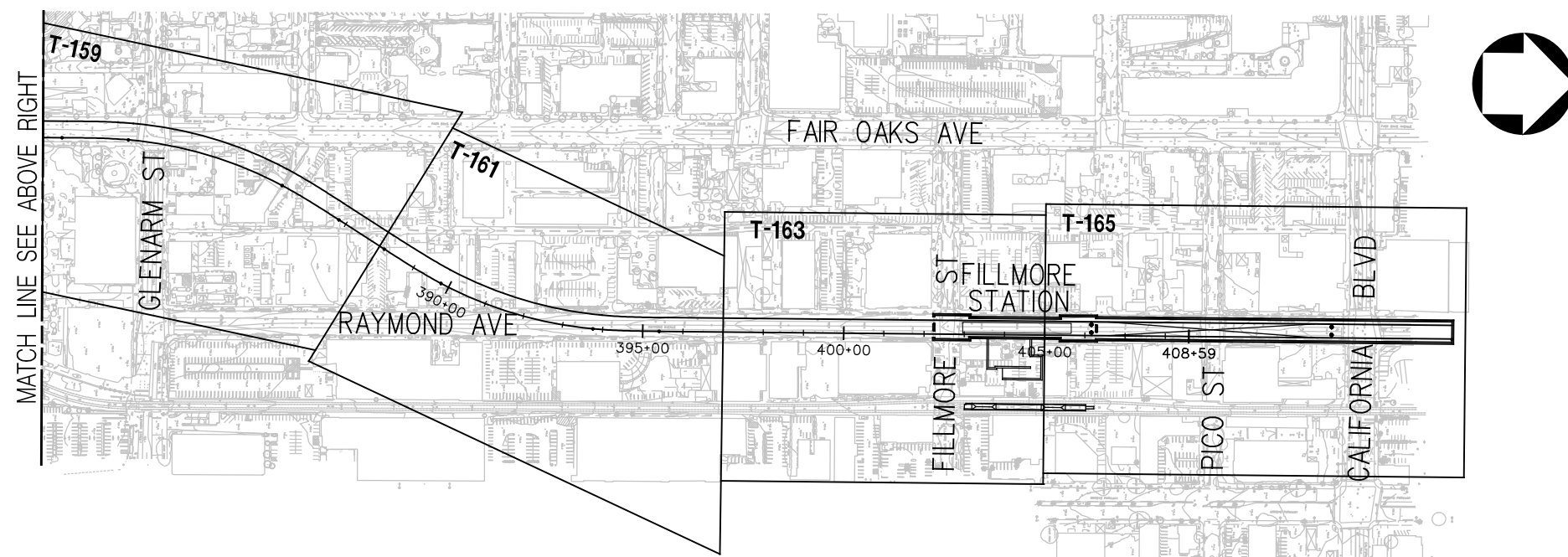
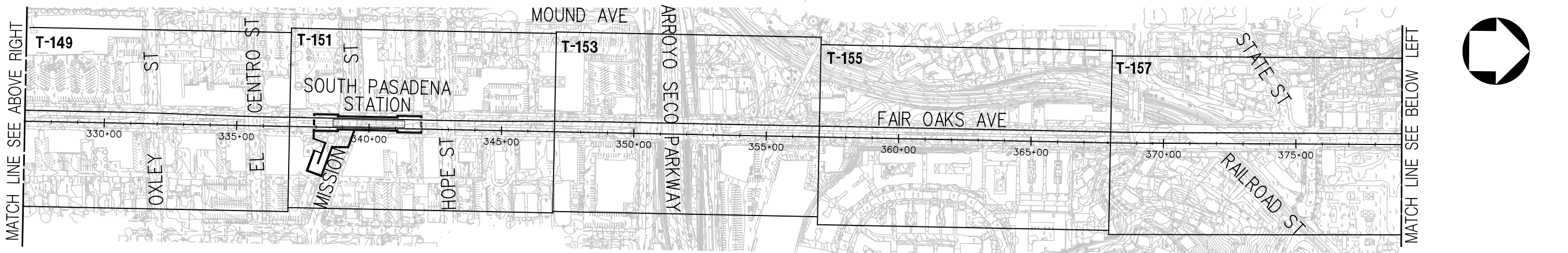
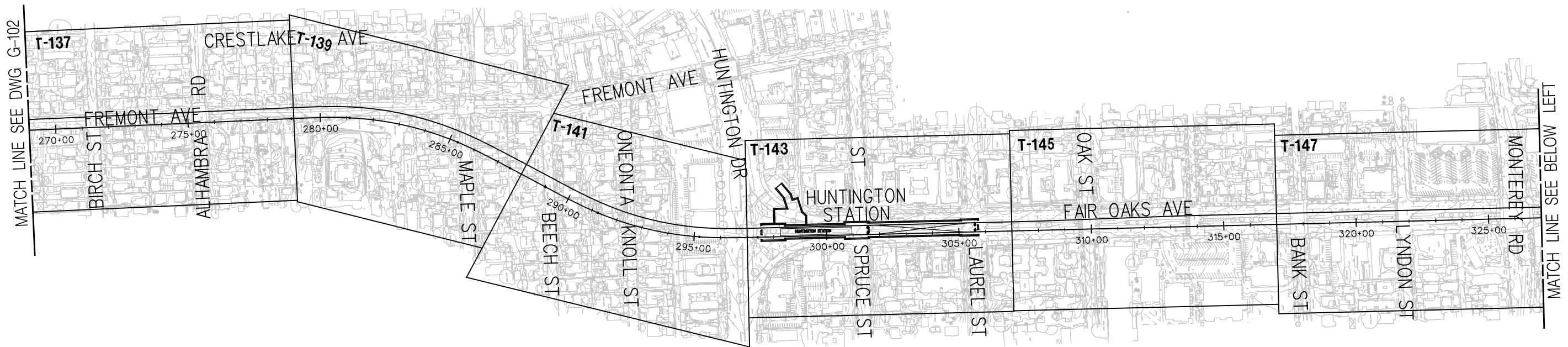
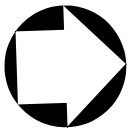
CONTRACT NO	
DRAWING NO G-102	REV 0
SCALE NO SCALE	
SHEET NO	

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8/8/2013 ...:Sheets\710G_AC-G-102.plg

3:07:58 PM USER=almashatm



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
M. AL-MASHAT
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN

KEY MAP
SHEET 3 OF 3

CONTRACT NO	
DRAWING NO G-103	REV 0
SCALE NO SCALE	
SHEET NO	

SR 710 ROW AQUISITION DATA

PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5250-024-034	-	155 S MEDNIK AVE	PARKING	**5,701	**5,701	-	9/29/2000	FULL TAKE
5250-024-035	-	149 S MEDNIK AVE	PARKING	*8,674	*8,674	-	7/20/2000	FULL TAKE
5250-024-044	-	201 S MEDNIK AVE	COMMERCIAL	*4,368	*4,368	-	7/20/2000	FULL TAKE
5250-024-045	-	203 S MEDNIK AVE	PARKING	**2,851	**2,851	-	7/20/2000	FULL TAKE
5250-024-048	-	131 S MEDNIK AVE	PARKING	*7,657	*7,657	-	7/20/2000	FULL TAKE
5250-024-049	-	147 S MEDNIK AVE	PARKING	**5,696	**5,696	-	7/17/2002	FULL TAKE
5250-024-050	-	143 S MEDNIK AVE	PARKING	**2,846	**2,846	-	7/17/2002	FULL TAKE
5250-024-051	-	141 S MEDNIK AVE	PARKING	**2,845	**2,845	-	7/17/2002	FULL TAKE
5250-025-030	-	207 S MEDNIK AVE	COMMERCIAL	**2,850	**2,850	-	9/29/2000	FULL TAKE
5250-025-033	-	215 S MEDNIK AVE	PARKING	**2,777	**2,777	-	9/12/2002	FULL TAKE
5250-025-034	-	215 S MEDNIK AVE	COMMERCIAL	**2,811	**2,811	-	9/29/2000	FULL TAKE
5250-025-035	-	211 S MEDNIK AVE	COMMERCIAL	**5,707	**5,707	-	7/17/2002	FULL TAKE
5250-025-036	-	211 S MEDNIK AVE	COMMERCIAL	**5,714	**5,714	-	7/17/2002	FULL TAKE
5250-025-037	-	249 S MEDNIK AVE	COMMERCIAL	*4,294	*4,294	-	7/17/2002	FULL TAKE
5250-025-038	-	249 S MEDNIK AVE	PARKING	*5,000	*5,000	-	2/3/2003	FULL TAKE
5250-025-039	-	222 S MEDNIK AVE	COMMERCIAL	*3,627	*3,627	-	9/12/2002	PART TAKE
5251-008-907	-	4919 E CESAR CHAVEZ AVE	RESIDENTIAL	*163,504	**457	-	-	PART TAKE
5251-009-906	-	4800 E CESAR CHAVEZ AVE	COMMERCIAL	*20,658	**343	-	-	FULL TAKE
5235-017-046	-	617 N MEDNIK AVE	COMMERCIAL	*5,968	**567	-	-	PART TAKE
5237-024-056	-	2530 CORPORATE PL	COMMERCIAL	*16,480	**32,058	-	-	PART TAKE
5252-004-068	-	1455 MONTEREY PASS RD	COMMERCIAL	**69,360	**69,360	-	-	FULL TAKE
5237-024-807	-	1600 CORPORATE CENTER DR	COMMERCIAL	*4,787	21,266	-	7/18/2000	PART TAKE
5237-024-017	-	1255 CORPORATE CENTER DR	COMMERCIAL	*37,260	18,975	-	11/25/2008	PART TAKE
5237-024-025	-	2625 CORPORATE PL	COMMERCIAL	*43,353	5,247	-	12/13/1988	PART TAKE
5237-024-029	-	2630 CORPORATE PL	COMMERCIAL	*22,275	7,192	-	3/15/2007	PART TAKE
5237-024-055	-	1588 CORPORATE CENTER DR	COMMERCIAL	*56,660	8,762	-	3/7/2011	PART TAKE
5237-024-808	-	N/A	PARKING	**29,045	1,405	-	7/18/2000	PART TAKE
5237-024-059	-	1255 CORPORATE CENTER DR	COMMERCIAL	*81,240	3,700	-	11/25/2008	PART TAKE
5225-031-913	-	N/A	VACANT LAND	**22,179	**1,532	-	3/14/1990	PART TAKE
5225-031-916	-	4500 E CITY HALL DR	LAC SHERIFF	**1,022,457	**32,459	-	8/18/1964	PART TAKE
5225-031-016	-	N/A	-	**312,668	2,706	-	-	PART TAKE
5225-031-018	-	101 LINCOLN WAY	UNIVERSITY CENTER	*69,256	*4,063	-	3/8/2012	PART TAKE
5223-034-908	-	2110 LANDSDOWNE AVE	CSULA	*4,430,052	**131,766	-	6/2/2005	PART TAKE
5342-005-914	-	2500 W COMMONWEALTH AVE	COMMERCIAL	*322,596	**123,192	-	3/9/2011	PART TAKE
5319-001-902	-	N/A	TRAFFIC ISLAND	**144,599	**10,738	-	2/18/1957	PART TAKE
5319-008-008	-	1510 HUNTINGTON DR	COMMERCIAL	*4,189	*4,189	-	10/1/1992	FULL TAKE
5319-008-009	-	1811 FAIR OAKS AVE	COMMERCIAL	*2,262	**483	-	10/5/1965	PART TAKE
5319-009-003	-	N/A	PARKING	*3,149	*3,149	-	11/12/2002	FULL TAKE
5319-009-004	-	1431 HUNTINGTON DR	COMMERCIAL	*5,052	*5,052	-	11/12/2002	FULL TAKE
5319-009-005	-	1439 HUNTINGTON DR	COMMERCIAL	*3,500	*3,500	-	2/1/2002	FULL TAKE
5319-009-033	-	1445 HUNTINGTON DR	COMMERCIAL	*12,688	*12,688	-	12/5/2003	FULL TAKE
5319-009-036	-	1449 HUNTINGTON DR	COMMERCIAL	*33,920	*33,920	-	12/22/2009	FULL TAKE
5319-009-037	-	1401 HUNTINGTON DR	COMMERCIAL	*14,069	*14,069	-	3/9/2004	FULL TAKE
5318-015-003	-	1014 FAIR OAKS AVE	COMMERCIAL	*3,662	*3,662	-	7/2/1991	FULL TAKE
5318-015-004	-	1008 FAIR OAKS AVE	COMMERCIAL	*4,725	*4,725	-	12/31/2003	FULL TAKE
5318-015-005	-	1000 FAIR OAKS AVE	COMMERCIAL	*7,650	*7,650	-	11/2/1998	FULL TAKE
5318-015-006	-	1000 FAIR OAKS AVE	COMMERCIAL	*6,900	*6,900	-	11/2/1998	FULL TAKE
5318-015-007	-	1001 BRENT AVE	PARKING	*8,250	*8,250	-	11/2/1998	FULL TAKE
5318-015-008	-	1005 BRENT AVE	PARKING	*8,250	*8,250	-	11/2/1998	FULL TAKE
5318-015-009	-	1009 BRENT AVE	PARKING	*7,500	*7,500	-	11/2/1998	FULL TAKE
5318-015-017	-	900 FAIR OAKS AVE	PARKING	*27,500	*27,500	-	10/30/2002	FULL TAKE
5318-015-036	-	900 FAIR OAKS AVE	COMMERCIAL	*25,268	*25,268	-	10/8/1999	FULL TAKE
5720-009-011	-	750 S RAYMOND AVE	PARKING	*165,246	**3,961	-	10/11/2007	PART TAKE
5720-010-008	-	700 S RAYMOND AVE	COMMERCIAL	*34,898	*34,898	-	8/4/2000	FULL TAKE
5720-010-009	-	N/A	COMMERCIAL	*2,690	*2,690	-	8/4/2000	FULL TAKE
5720-011-008	-	N/A	VACANT LAND	-	-	-	8/25/2010	FULL TAKE
5720-011-013	-	686 S RAYMOND AVE	PARKING	*15,000	*15,000	-	8/4/2000	FULL TAKE
5720-011-014	-	686 S RAYMOND AVE	COMMERCIAL	*2,354	*2,354	-	8/4/2000	FULL TAKE
5720-011-016	-	650 S RAYMOND AVE	COMMERCIAL	*6,750	*6,750	-	1/24/2008	FULL TAKE
5351-001-021	-	3201 W VALLEY BLVD	COMMERCIAL	*15,171	*282	-	3/6/2002	PART TAKE


PRELIMINARY

- NOTES:**
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.
 - * OBTAINED FROM LA COUNTY ASSESSOR'S MAP
** OBTAINED USING CH2MHILL ROW FILE
 - SQUARE FOOTAGE MAY CHANGE.
 - UNDERGROUND EASEMENTS FOR THE TUNNEL PORTION ARE NOT INCLUDED.

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

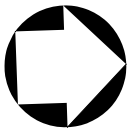
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

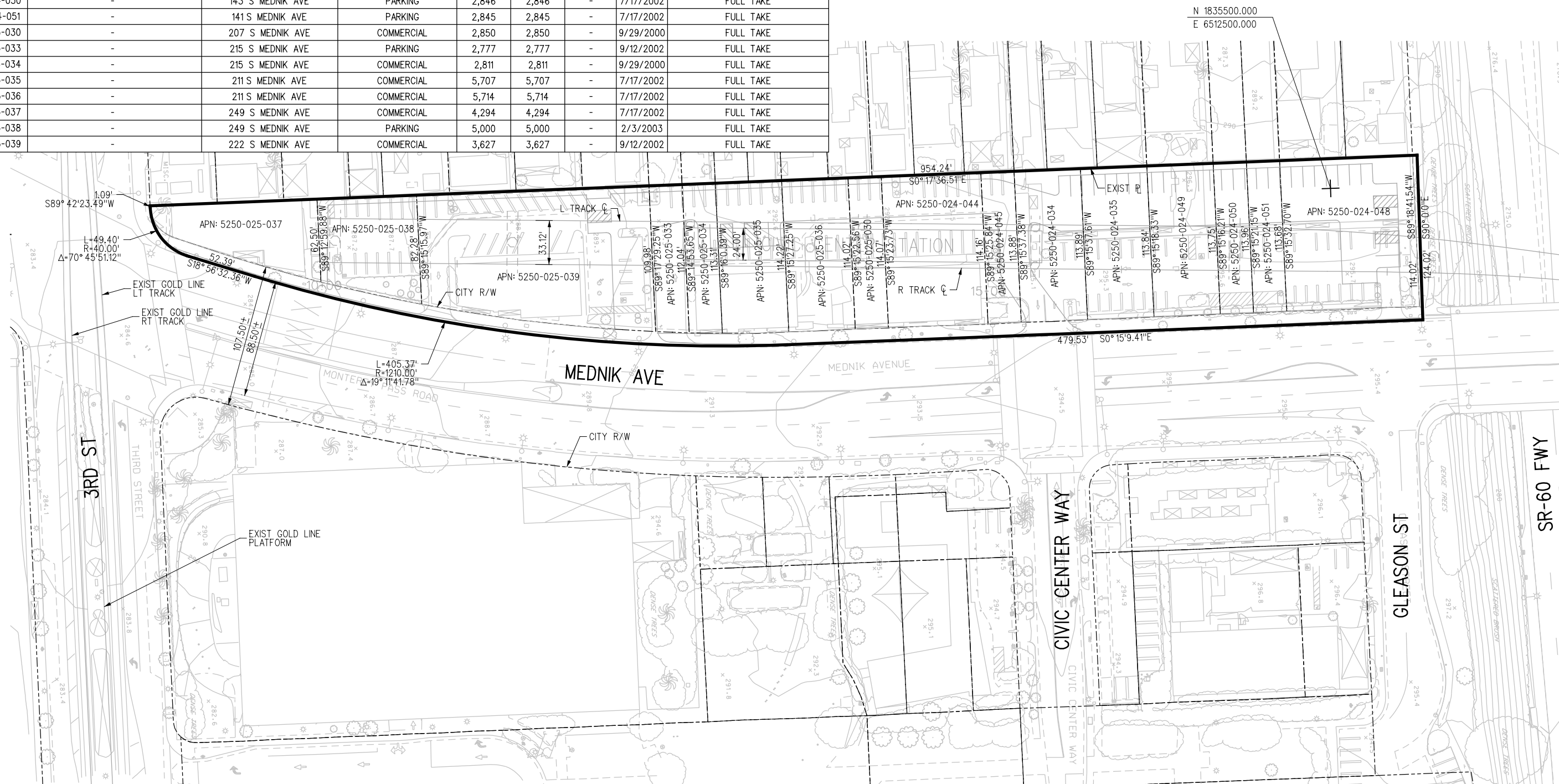
**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 1 OF 15**

CONTRACT NO	
DRAWING NO R-100	REV
SCALE NONE	
SHEET NO	

2014 10/12/13 PM 3:33:10 PM ...\\n018097\0\710G-AC-R-100.plt Plot Driver= M:\AL-HALF-BW-PDF.plt Pentable= M:\AL-HALF-BW.plt



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5250-024-034	-	155 S MEDNIK AVE	PARKING	5,701	5,701	-	9/29/2000	FULL TAKE
5250-024-035	-	149 S MEDNIK AVE	PARKING	8,674	8,674	-	7/20/2000	FULL TAKE
5250-024-044	-	203 S MEDNIK AVE	COMMERCIAL	4,368	4,368	-	7/20/2000	FULL TAKE
5250-024-045	-	203 S MEDNIK AVE	PARKING	2,851	2,851	-	7/20/2000	FULL TAKE
5250-024-048	-	131 S MEDNIK AVE	PARKING	7,657	7,657	-	7/20/2000	FULL TAKE
5250-024-049	-	147 S MEDNIK AVE	PARKING	5,696	5,696	-	7/17/2002	FULL TAKE
5250-024-050	-	143 S MEDNIK AVE	PARKING	2,846	2,846	-	7/17/2002	FULL TAKE
5250-024-051	-	141 S MEDNIK AVE	PARKING	2,845	2,845	-	7/17/2002	FULL TAKE
5250-025-030	-	207 S MEDNIK AVE	COMMERCIAL	2,850	2,850	-	9/29/2000	FULL TAKE
5250-025-033	-	215 S MEDNIK AVE	PARKING	2,777	2,777	-	9/12/2002	FULL TAKE
5250-025-034	-	215 S MEDNIK AVE	COMMERCIAL	2,811	2,811	-	9/29/2000	FULL TAKE
5250-025-035	-	211 S MEDNIK AVE	COMMERCIAL	5,707	5,707	-	7/17/2002	FULL TAKE
5250-025-036	-	211 S MEDNIK AVE	COMMERCIAL	5,714	5,714	-	7/17/2002	FULL TAKE
5250-025-037	-	249 S MEDNIK AVE	COMMERCIAL	4,294	4,294	-	7/17/2002	FULL TAKE
5250-025-038	-	249 S MEDNIK AVE	PARKING	5,000	5,000	-	2/3/2003	FULL TAKE
5250-025-039	-	222 S MEDNIK AVE	COMMERCIAL	3,627	3,627	-	9/12/2002	FULL TAKE



NOTES:

- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PLAN

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	F. ALVARADO
DRAWN BY	F. ALVARADO
CHECKED BY	J. AL-MASHAT
IN CHARGE	J. AL-MASHAT
DATE	8/12/13

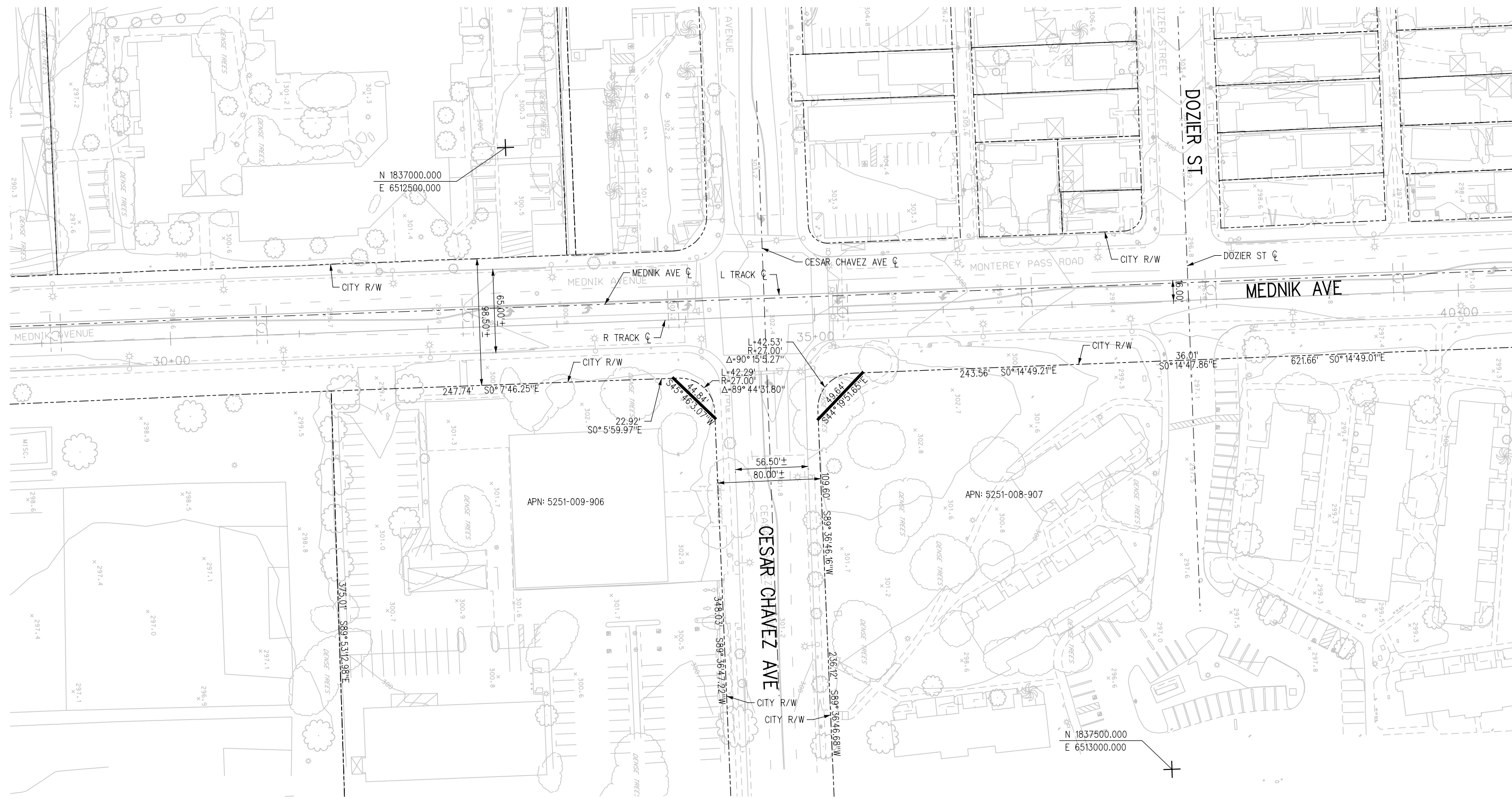
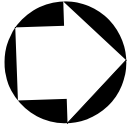
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 2 OF 15

CONTRACT NO	
DRAWING NO	R-101
SCALE	1" = 40'
SHEET NO	

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PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5251-008-907	-	4919 E CESAR CHAVEZ AVE	RESIDENTIAL	163,504	457	-	-	PART TAKE
5251-009-906	-	4800 E CESAR CHAVEZ AVE	COMMERCIAL	20,658	343	-	-	PART TAKE



PLAN

NOTES:
 1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PRELIMINARY



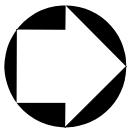
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

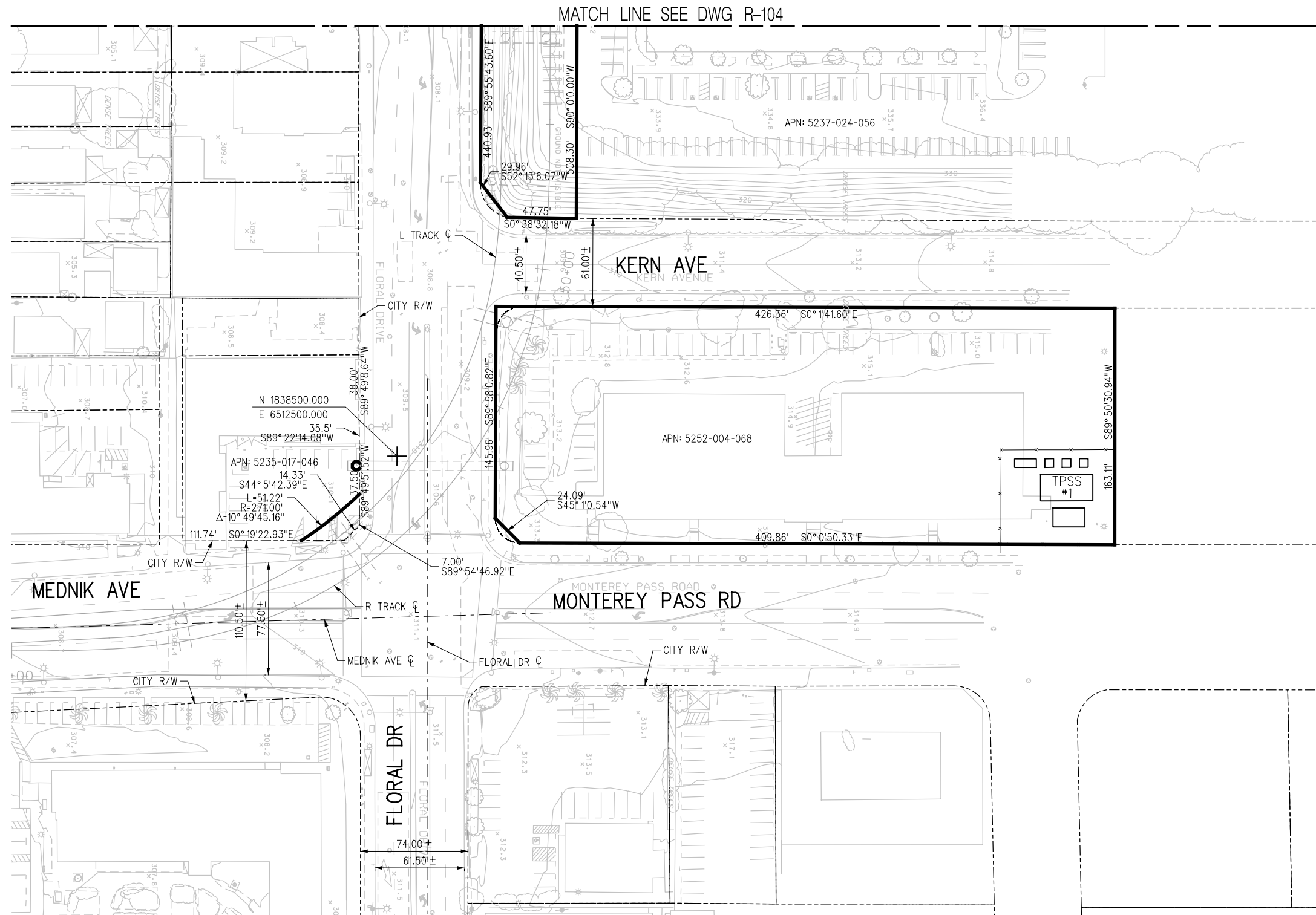
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ROW ACQUISITION PLAN SHEET 3 OF 15	
CONTRACT NO	
DRAWING NO	R-102
SCALE	1" = 40'
SHEET NO	

8/8/2013 ...\\Sheets\710G-AC-R-102.plt Plot Driver: M:\HALF-BW-Plot.plt Pentable: M:\HALF-BW.plt



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5235-017-046	-	617 N MEDNIK AVE	COMMERCIAL	5,968	567	-	9/29/2006	PART TAKE
5237-024-056	-	2530 CORPORATE PL	COMMERCIAL	116,480	32,058	-	7/17/1990	PART TAKE
5252-004-068	-	1455 MONTEREY PASS RD	COMMERCIAL	69,360	69,360	-	-	FULL TAKE



PLAN

NOTES:

1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

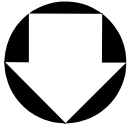
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

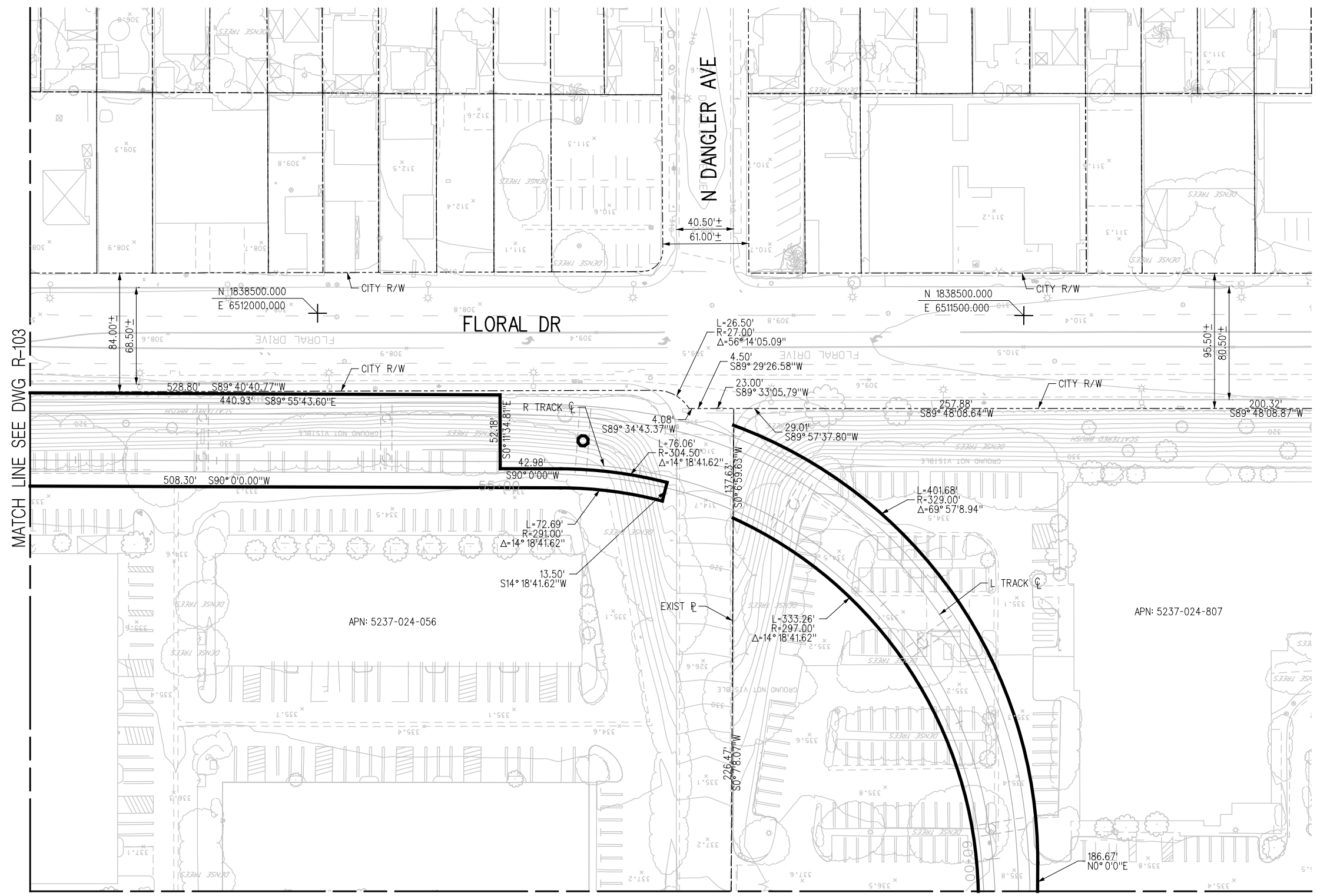
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 4 OF 15

CONTRACT NO	
DRAWING NO R-103	REV
SCALE 1" = 40'	
SHEET NO	

2014 10/12/13
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 Pentable= MTA_HALF_BW.plt



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5237-024-807	-	1600 CORPORATE CENTER DR	COMMERCIAL	47,787	21,266	-	7/18/2000	PART TAKE
5237-024-056	-	2530 CORPORATE PL	COMMERCIAL	116,480	32,058	-	7/17/1990	PART TAKE



MATCH LINE SEE DWG R-103

MATCH LINE SEE DWG R-105

APN: 5237-024-056

APN: 5237-024-807

- NOTES:**
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PRELIMINARY

PLAN



REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

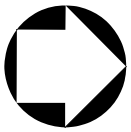
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

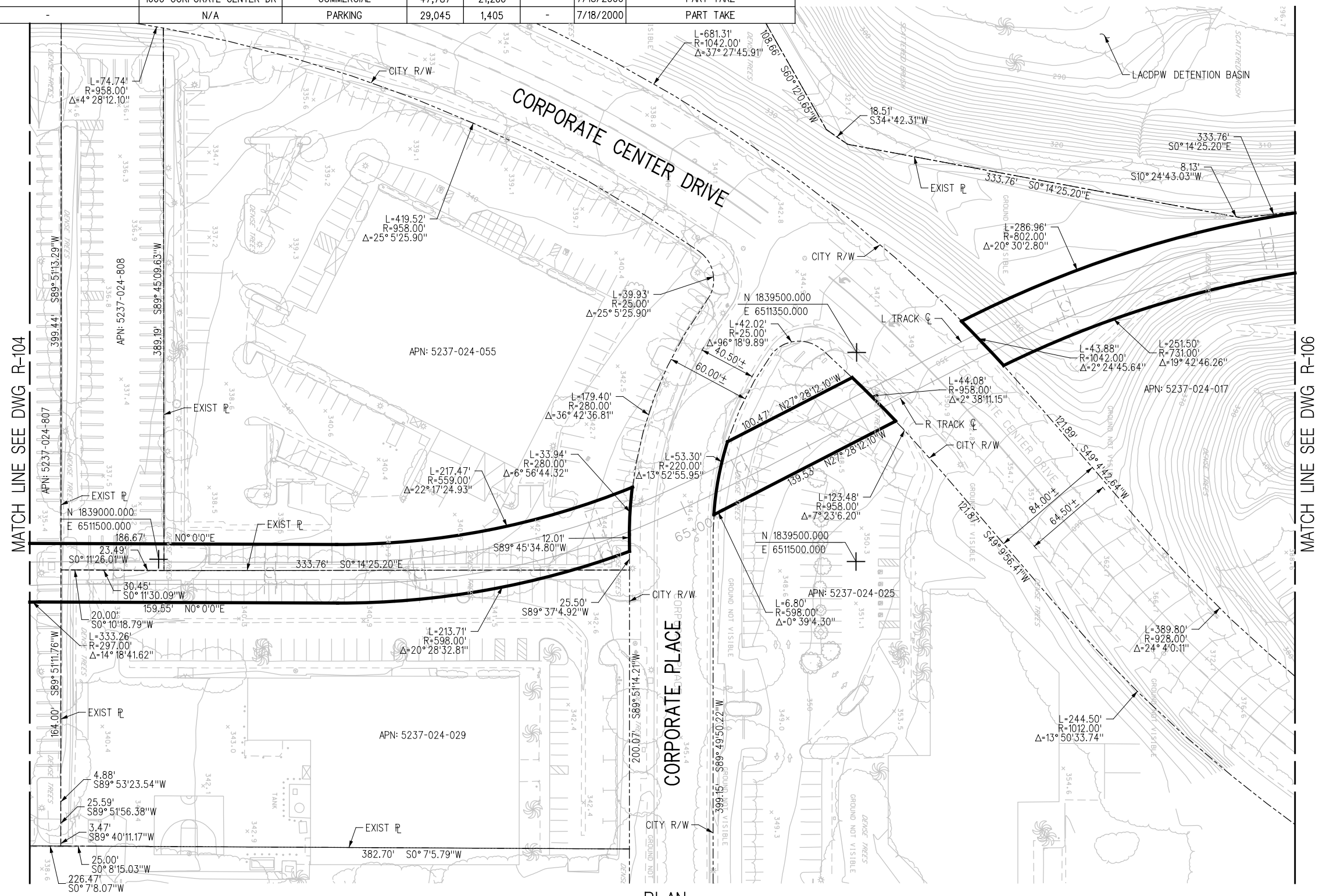
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 5 OF 15

CONTRACT NO	
DRAWING NO R-104	REV
SCALE 1" = 40'	
SHEET NO	

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PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5237-024-017	-	1255 CORPORATE CENTER DR	COMMERCIAL	37,260	18,975	-	11/25/2008	PART TAKE
5237-024-025	-	2625 CORPORATE PL	COMMERCIAL	43,353	5,247	-	12/13/1988	PART TAKE
5237-024-029	-	2630 CORPORATE PL	COMMERCIAL	22,275	7,192	-	3/15/2007	PART TAKE
5237-024-055	-	1588 CORPORATE CENTER DR	COMMERCIAL	56,660	8,762	-	3/7/2011	PART TAKE
5237-024-807	-	1600 CORPORATE CENTER DR	COMMERCIAL	47,787	21,266	-	7/18/2000	PART TAKE
5237-024-808	-	N/A	PARKING	29,045	1,405	-	7/18/2000	PART TAKE



MATCH LINE SEE DWG R-104

MATCH LINE SEE DWG R-106

PLAN

- NOTES:**
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

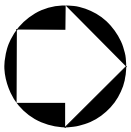
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

CONTRACT NO	
DRAWING NO R-105	REV
SCALE 1" = 40'	
SHEET NO	

Plot Driver= M:\AL_HALF_BW_PDF.plt
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 2014/08/21
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PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5237-024-017	-	1255 CORPORATE CENTER DR	COMMERCIAL	37,260	18,975	-	11/25/2008	PART TAKE
5237-024-059	-	1255 CORPORATE CENTER DR	COMMERCIAL	81,240	3,700	-	11/25/2008	PART TAKE



- NOTES:**
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

PLAN

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

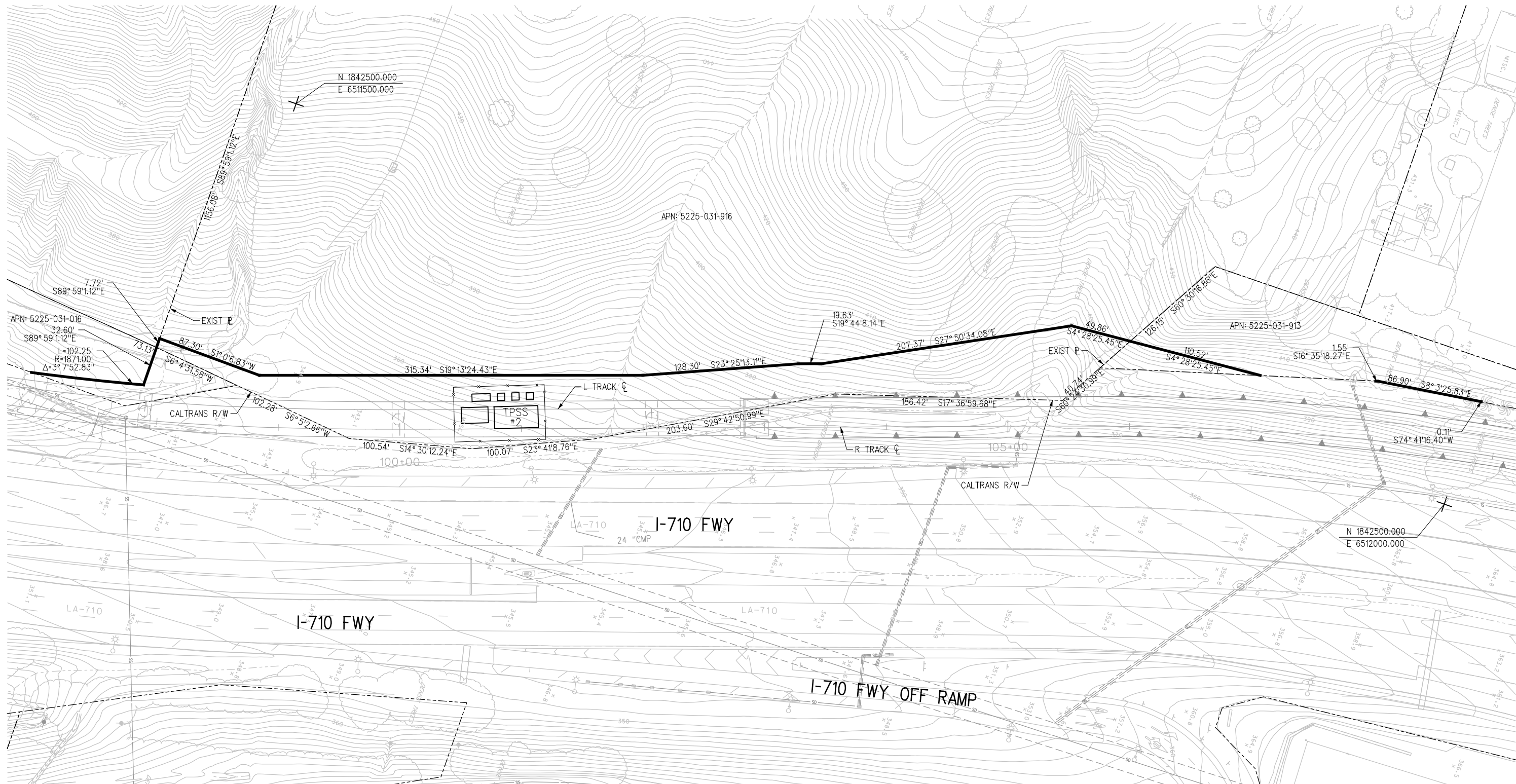
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 7 OF 15

CONTRACT NO	
DRAWING NO	R-106
SCALE	1" = 40'
SHEET NO	

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5225-031-913	-	N/A	VACANT LAND	22,179	1,532	-	3/14/1990	PART TAKE
5225-031-916	-	4500 E CITY HALL DR	LAC SHERIFF	1,022,457	32,459	-	8/18/1964	PART TAKE
5225-031-016	-	N/A	-	312,668	2,706	-	-	PART TAKE

NOTES:
 1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

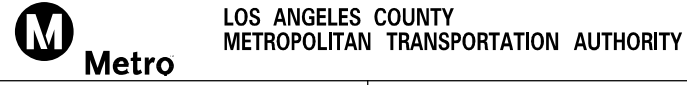
PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
F. ALVARADO
 DRAWN BY
F. ALVARADO
 CHECKED BY
J. AL-MASHAT
 IN CHARGE
J. AL-MASHAT
 DATE
8/12/13

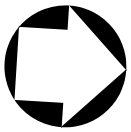


SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 ROW ACQUISITION PLAN
 SHEET 8 OF 15

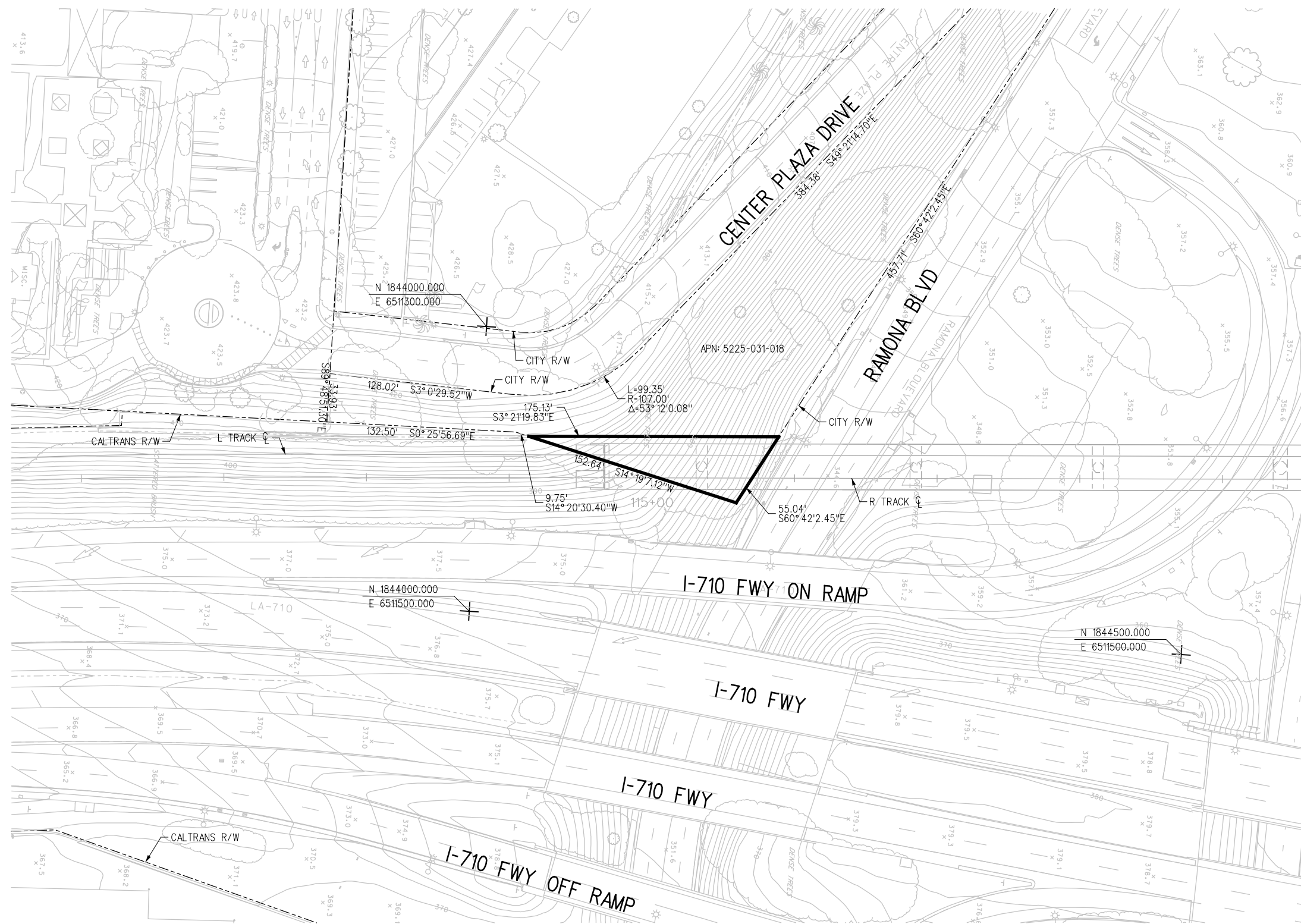
CONTRACT NO	
DRAWING NO	REV
R-107	
SCALE	1" = 40'
SHEET NO	

Model Name = Default

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 2014 10/12
 ...\\018097\018097\018097\AC-R\107.dwg
 USER: alvarado01
 3:28:20 PM



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5225-031-018	-	101 LINCOLN WAY	UNIVERSITY CENTER	69,256	4,063	-	3/8/2012	PART TAKE



PLAN

- NOTES:**
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

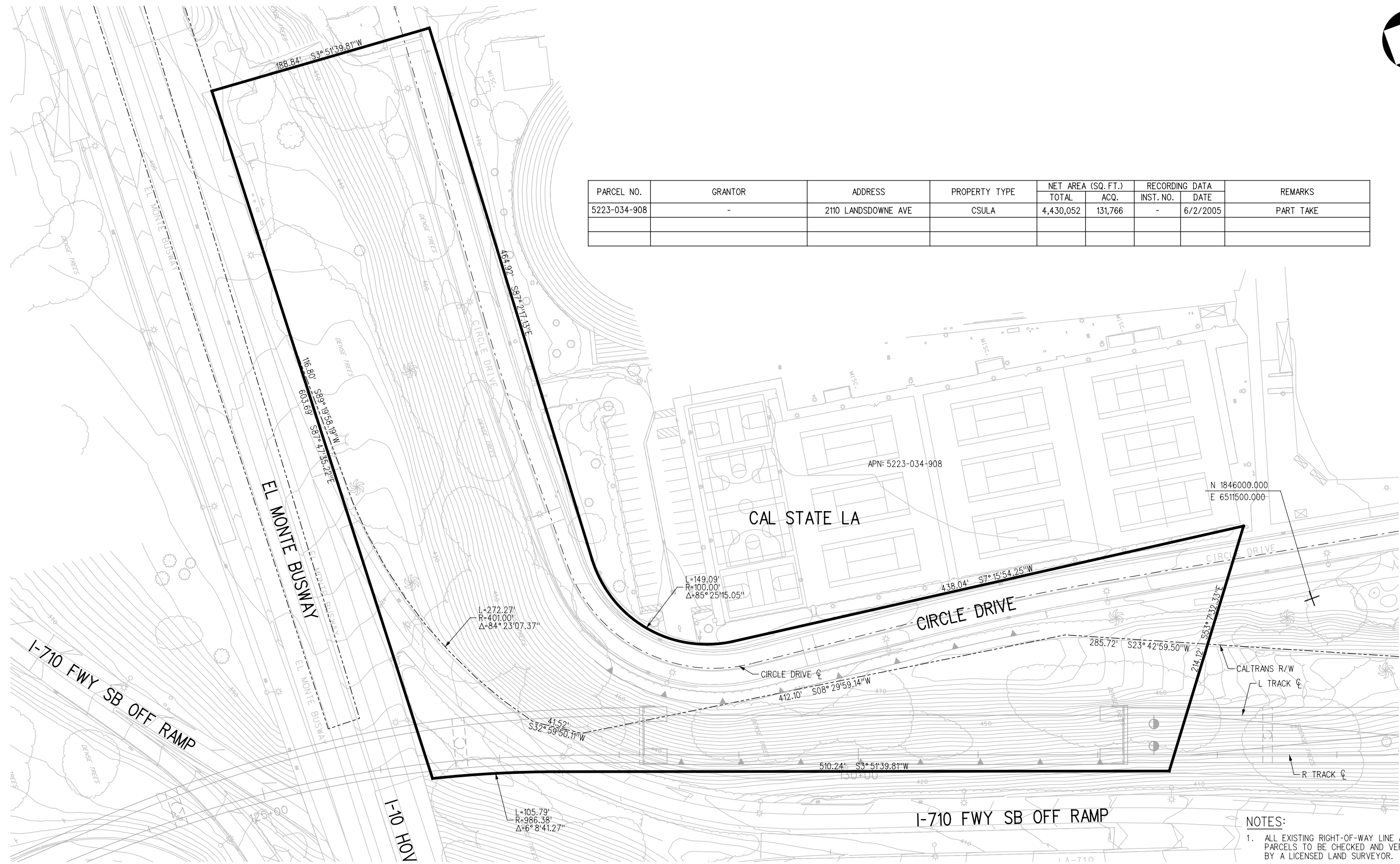
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

<p>SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ROW ACQUISITION PLAN SHEET 9 OF 15</p>	
CONTRACT NO	
DRAWING NO	R-108
SCALE	1" = 40'
SHEET NO	

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PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
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5223-034-908	-	2110 LANDSDOWNE AVE	CSULA	4,430,052	131,766	-	6/2/2005	PART TAKE



PLAN


- NOTES:
1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

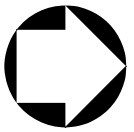
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

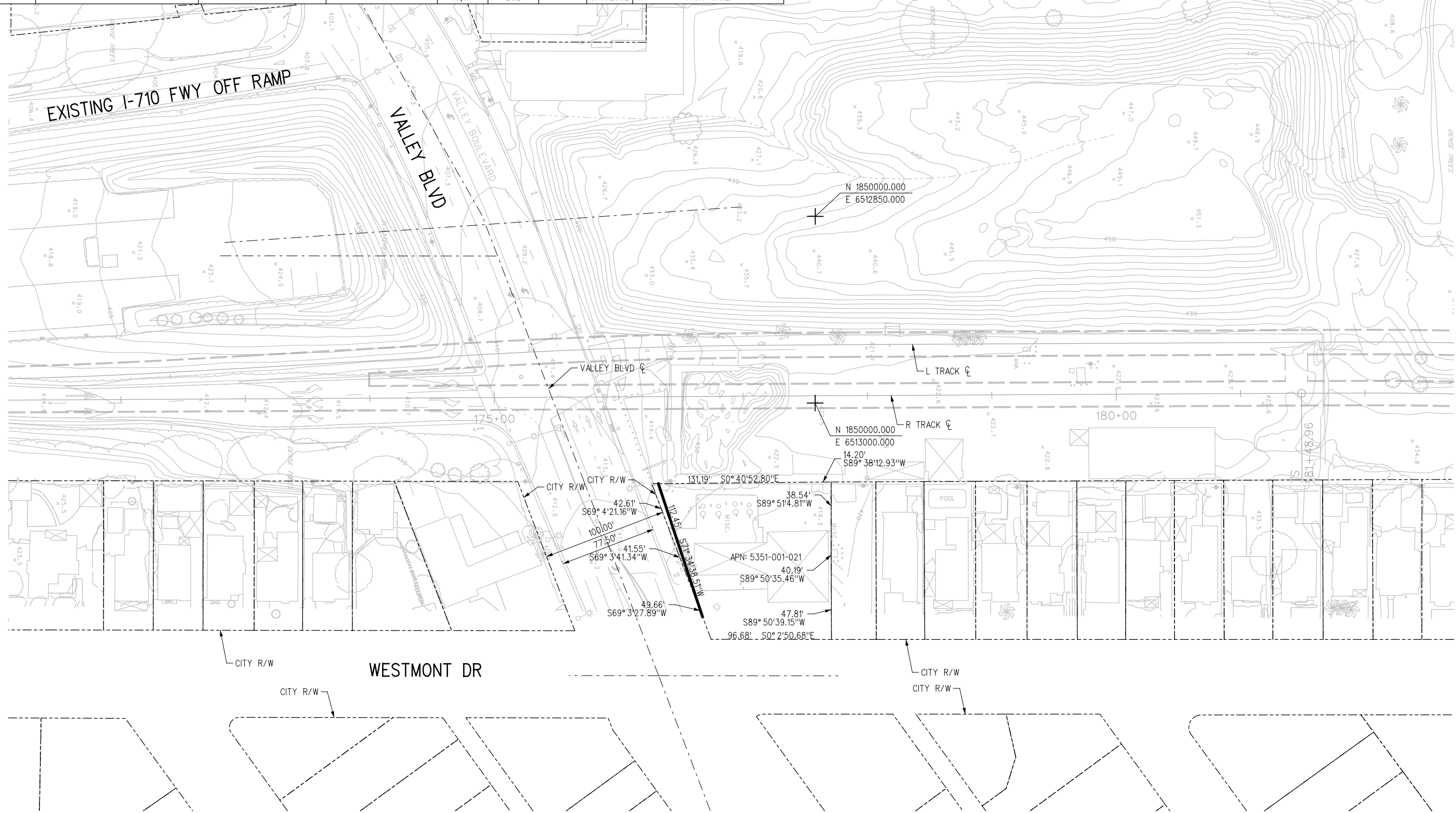
**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 ROW ACQUISITION PLAN
 SHEET 10 OF 15**

CONTRACT NO	
DRAWING NO R-109	REV
SCALE 1" = 40'	
SHEET NO	

8/8/2013 ...:\Sheets\710G-AC-R-109.pptg Plot Driver= M:\HALF-BW-PDF.plt;g Pentable= M:\HALF-BW.plt



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5351-001-021	-	3201 W VALLEY BLVD	COMMERCIAL	15,171	282	-	3/6/2002	PART TAKE



NOTES:

1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PLAN

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

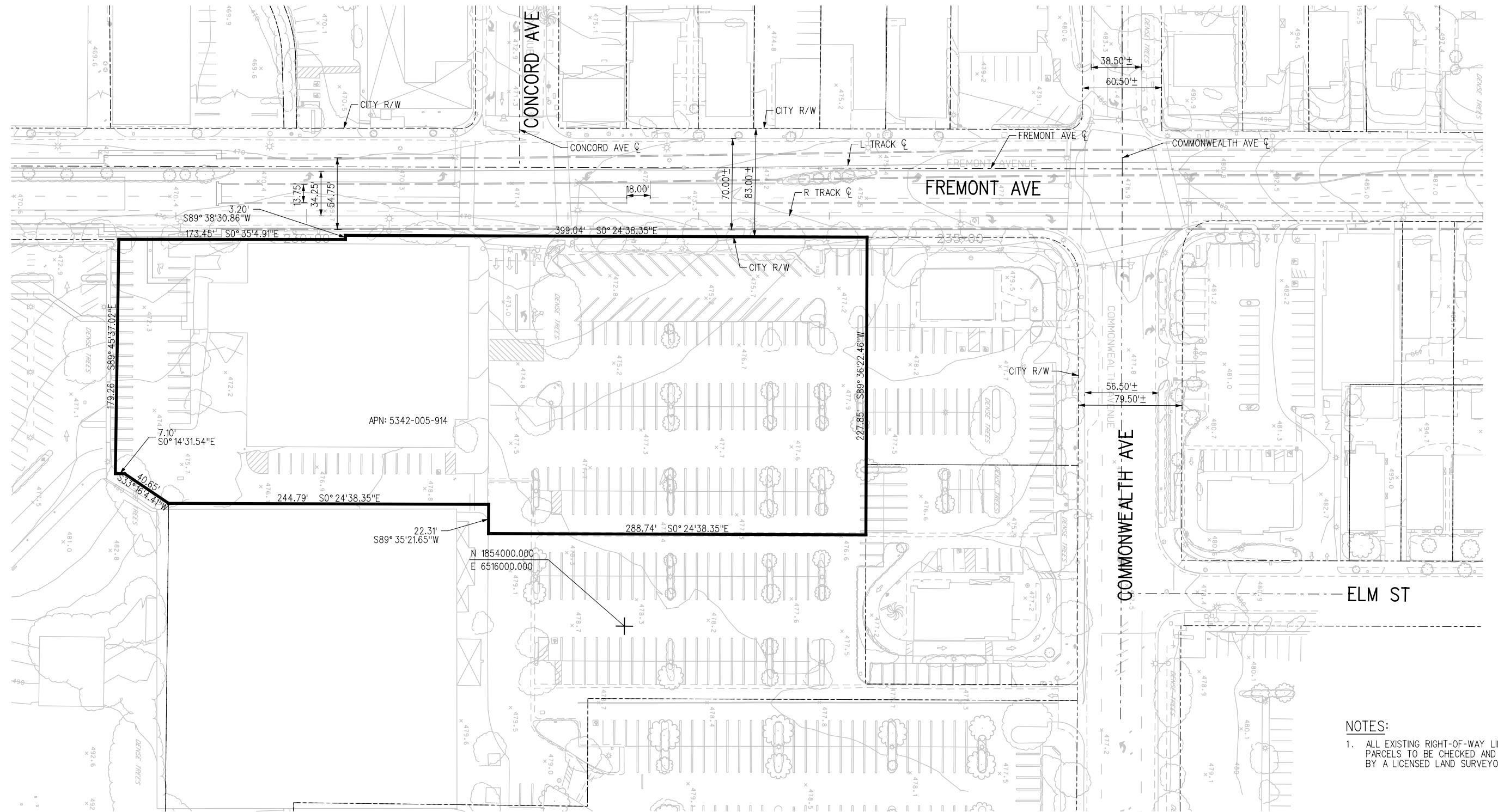
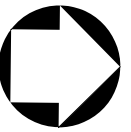
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ROW ACQUISITION PLAN
SHEET 11 OF 15

CONTRACT NO	
DRAWING NO R-110	REV
SCALE 1" = 40'	
SHEET NO	

PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5342-005-914	-	2500 W COMMONWEALTH AVE	COMMERCIAL	322,596	123,192	-	3/9/2011	PART TAKE




NOTES:
 1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PRELIMINARY

PLAN

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

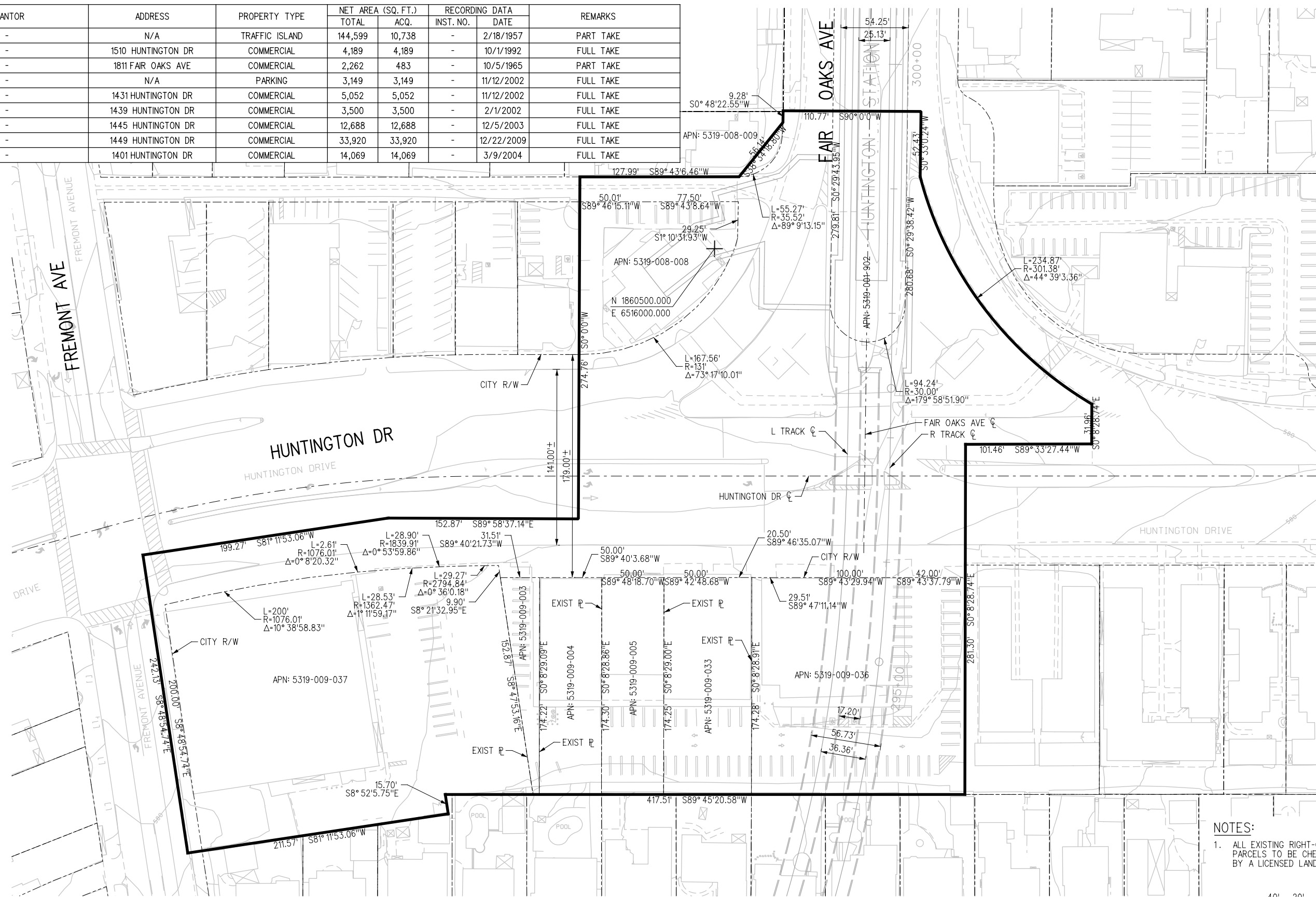

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ROW ACQUISITION PLAN SHEET 12 OF 15	
CONTRACT NO	
DRAWING NO	R-111
SCALE	1" = 40'
SHEET NO	

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.



PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5319-001-902	-	N/A	TRAFFIC ISLAND	144,599	10,738	-	2/18/1957	PART TAKE
5319-008-008	-	1510 HUNTINGTON DR	COMMERCIAL	4,189	4,189	-	10/1/1992	FULL TAKE
5319-008-009	-	1811 FAIR OAKS AVE	COMMERCIAL	2,262	483	-	10/5/1965	PART TAKE
5319-009-003	-	N/A	PARKING	3,149	3,149	-	11/12/2002	FULL TAKE
5319-009-004	-	1431 HUNTINGTON DR	COMMERCIAL	5,052	5,052	-	11/12/2002	FULL TAKE
5319-009-005	-	1439 HUNTINGTON DR	COMMERCIAL	3,500	3,500	-	2/1/2002	FULL TAKE
5319-009-033	-	1445 HUNTINGTON DR	COMMERCIAL	12,688	12,688	-	12/5/2003	FULL TAKE
5319-009-036	-	1449 HUNTINGTON DR	COMMERCIAL	33,920	33,920	-	12/22/2009	FULL TAKE
5319-009-037	-	1401 HUNTINGTON DR	COMMERCIAL	14,069	14,069	-	3/9/2004	FULL TAKE



NOTES:
 1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.



PRELIMINARY

PLAN

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

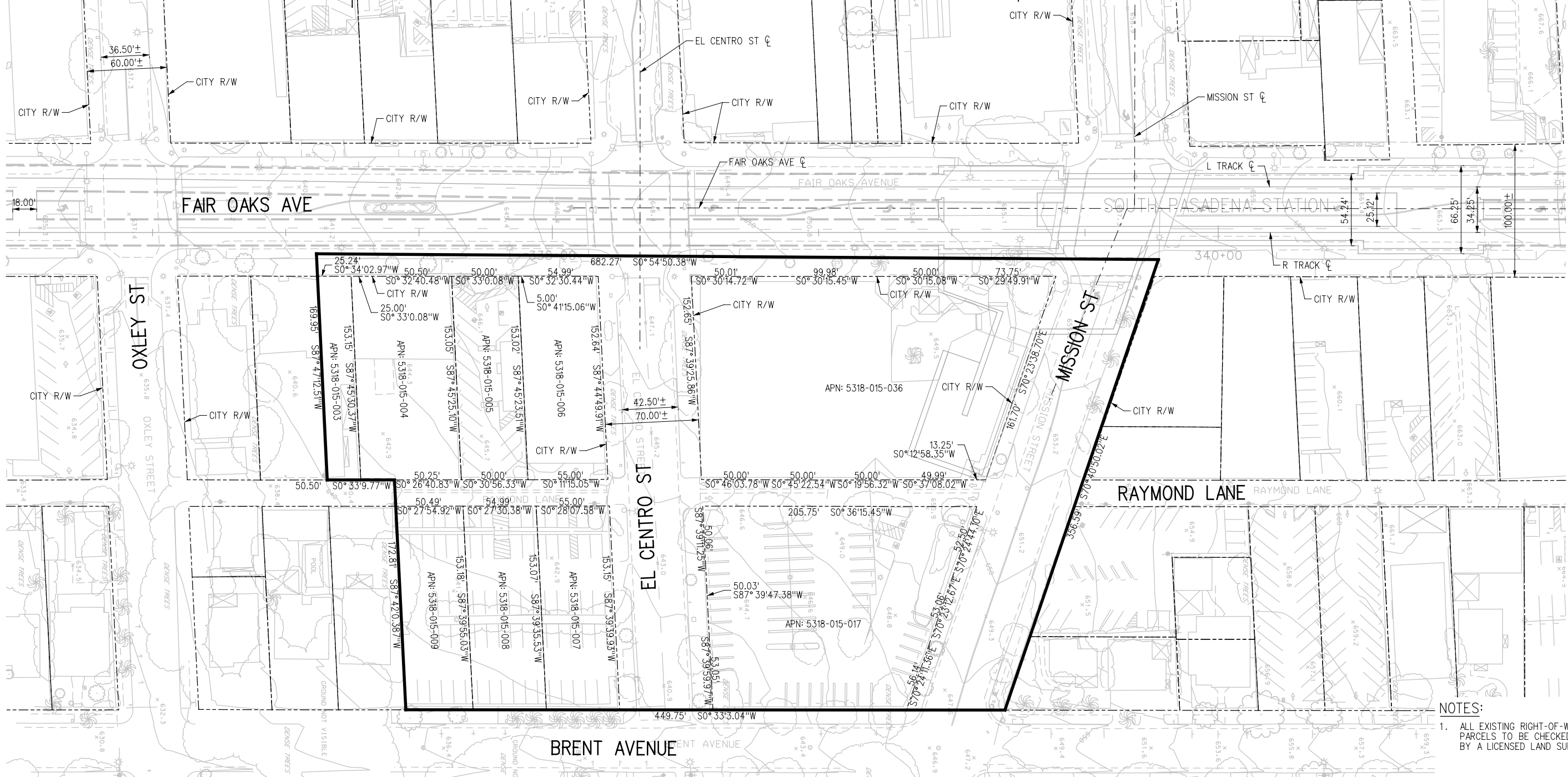
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

CONTRACT NO	
DRAWING NO R-112	REV
SCALE 1" = 40'	
SHEET NO	

8/8/2013 3:05:57 PM USER:almashat Plot Driver: M:\HALF_BW_Plot.plt Pentable: M:\HALF_BW.plt

PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5318-015-003	-	1014 FAIR OAKS AVE	COMMERCIAL	3,662	3,662	-	7/2/1991	FULL TAKE
5318-015-004	-	1008 FAIR OAKS AVE	COMMERCIAL	4,725	4,725	-	12/31/2003	FULL TAKE
5318-015-005	-	1000 FAIR OAKS AVE	COMMERCIAL	7,650	7,650	-	11/2/1998	FULL TAKE
5318-015-006	-	1000 FAIR OAKS AVE	COMMERCIAL	6,900	6,900	-	11/2/1998	FULL TAKE
5318-015-007	-	1001 BRENT AVE	PARKING	8,250	8,250	-	11/2/1998	FULL TAKE
5318-015-008	-	1005 BRENT AVE	PARKING	8,250	8,250	-	11/2/1998	FULL TAKE
5318-015-009	-	1009 BRENT AVE	PARKING	7,500	7,500	-	11/2/1998	FULL TAKE
5318-015-017	-	900 FAIR OAKS AVE	PARKING	27,500	27,500	-	10/30/2002	FULL TAKE
5318-015-036	-	900 FAIR OAKS AVE	COMMERCIAL	25,268	25,268	-	10/8/1999	FULL TAKE



- NOTES:
- ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.




PRELIMINARY

PLAN

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

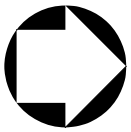
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

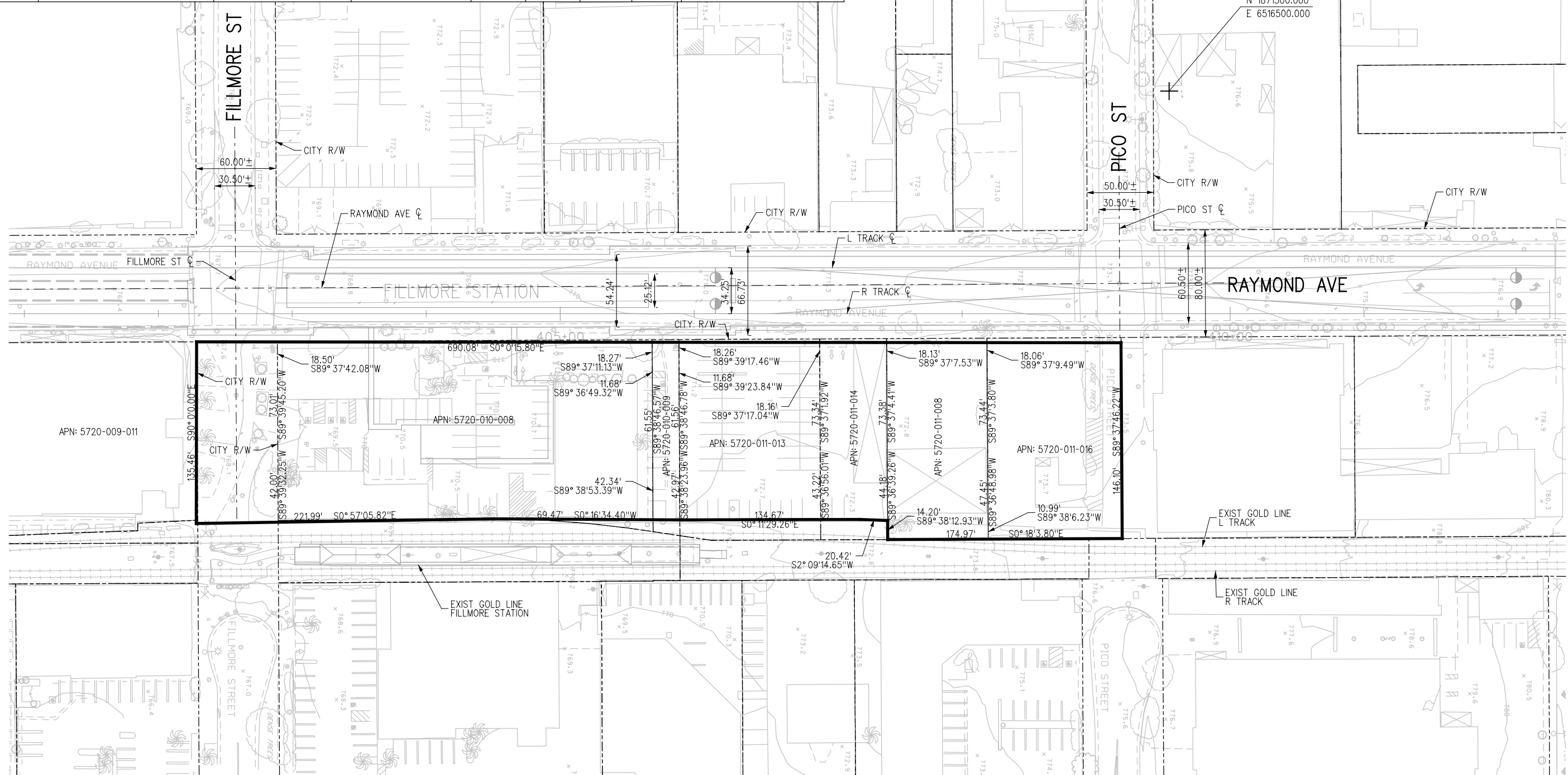
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SCALE 1" = 40'	
SHEET NO	

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PARCEL NO.	GRANTOR	ADDRESS	PROPERTY TYPE	NET AREA (SQ. FT.)		RECORDING DATA		REMARKS
				TOTAL	ACQ.	INST. NO.	DATE	
5720-009-011	-	750 S RAYMOND AVE	COMMERCIAL	165,246	93	-	10/11/2007	PART TAKE
5720-010-008	-	700 S RAYMOND AVE	COMMERCIAL	34,898	34,898	-	8/4/2000	FULL TAKE
5720-010-009	-	N/A	COMMERCIAL	2,690	2,690	-	8/4/2000	FULL TAKE
5720-011-008	-	N/A	VACANT LAND	11,244	11,244	-	8/25/2010	FULL TAKE
5720-011-013	-	686 S RAYMOND AVE	COMMERCIAL	15,000	15,000	-	8/4/2000	FULL TAKE
5720-011-014	-	686 S RAYMOND AVE	COMMERCIAL	2,354	2,354	-	8/4/2000	FULL TAKE
5720-011-016	-	650 S RAYMOND AVE	COMMERCIAL	6,750	6,750	-	1/24/2008	FULL TAKE



NOTES:

1. ALL EXISTING RIGHT-OF-WAY LINE AND PARCELS TO BE CHECKED AND VERIFIED BY A LICENSED LAND SURVEYOR.

PLAN

PRELIMINARY



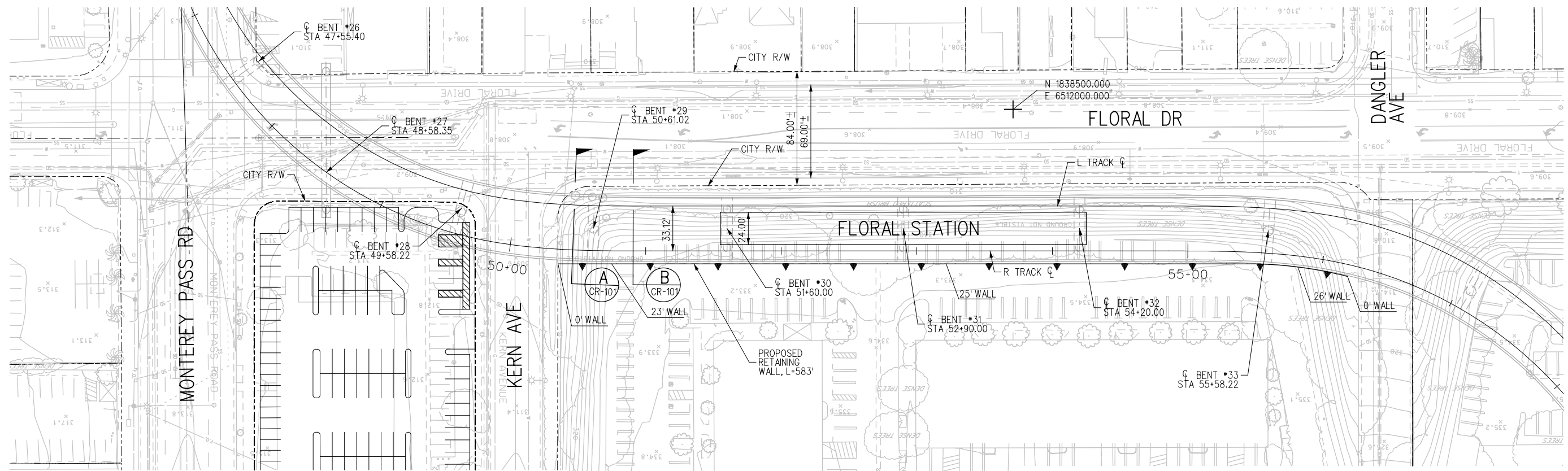
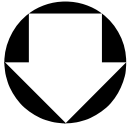
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ROW ACQUISITION PLAN SHEET 15 OF 15	
CONTRACT NO	
DRAWING NO	R-114
SCALE	1" = 40'
SHEET NO	

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PROPOSED SECTION

A

CR-101

NTS

PROPOSED SECTION

B

CR-101

NTS



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV

DRAWN BY
F. ALVARADO

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

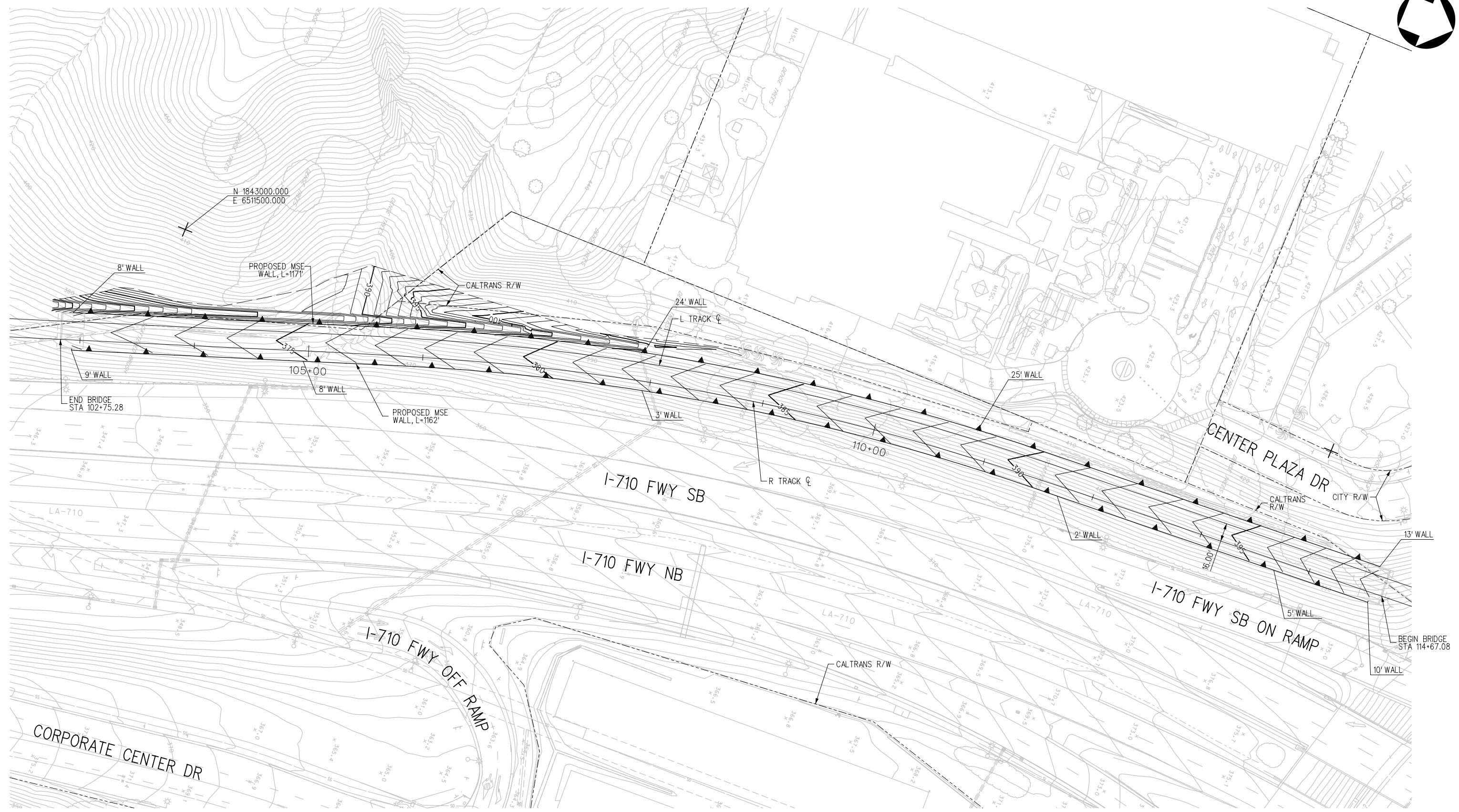
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 1 OF 6

CONTRACT NO	
DRAWING NO	REV
CR-101	
SCALE	1" = 40'
SHEET NO	



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV

DRAWN BY
F. ALVARADO

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

DATE
8/12/13

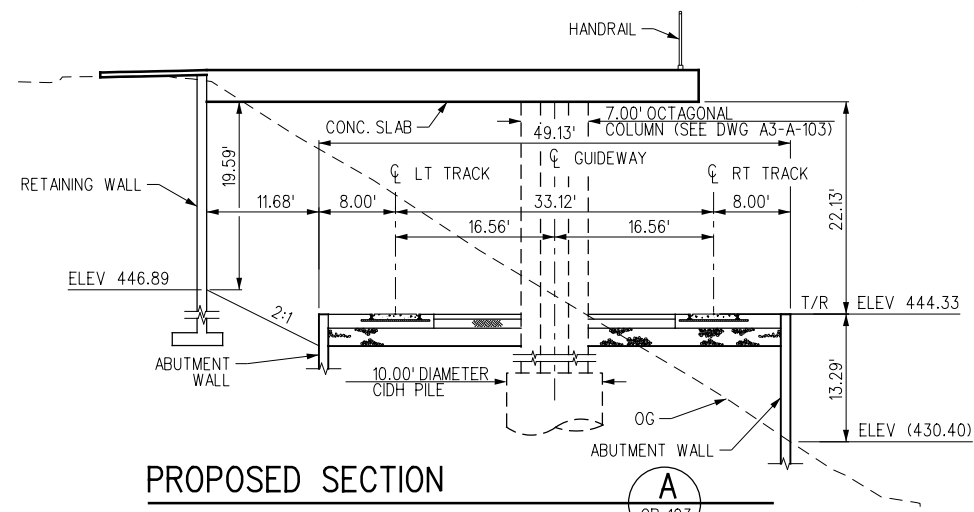
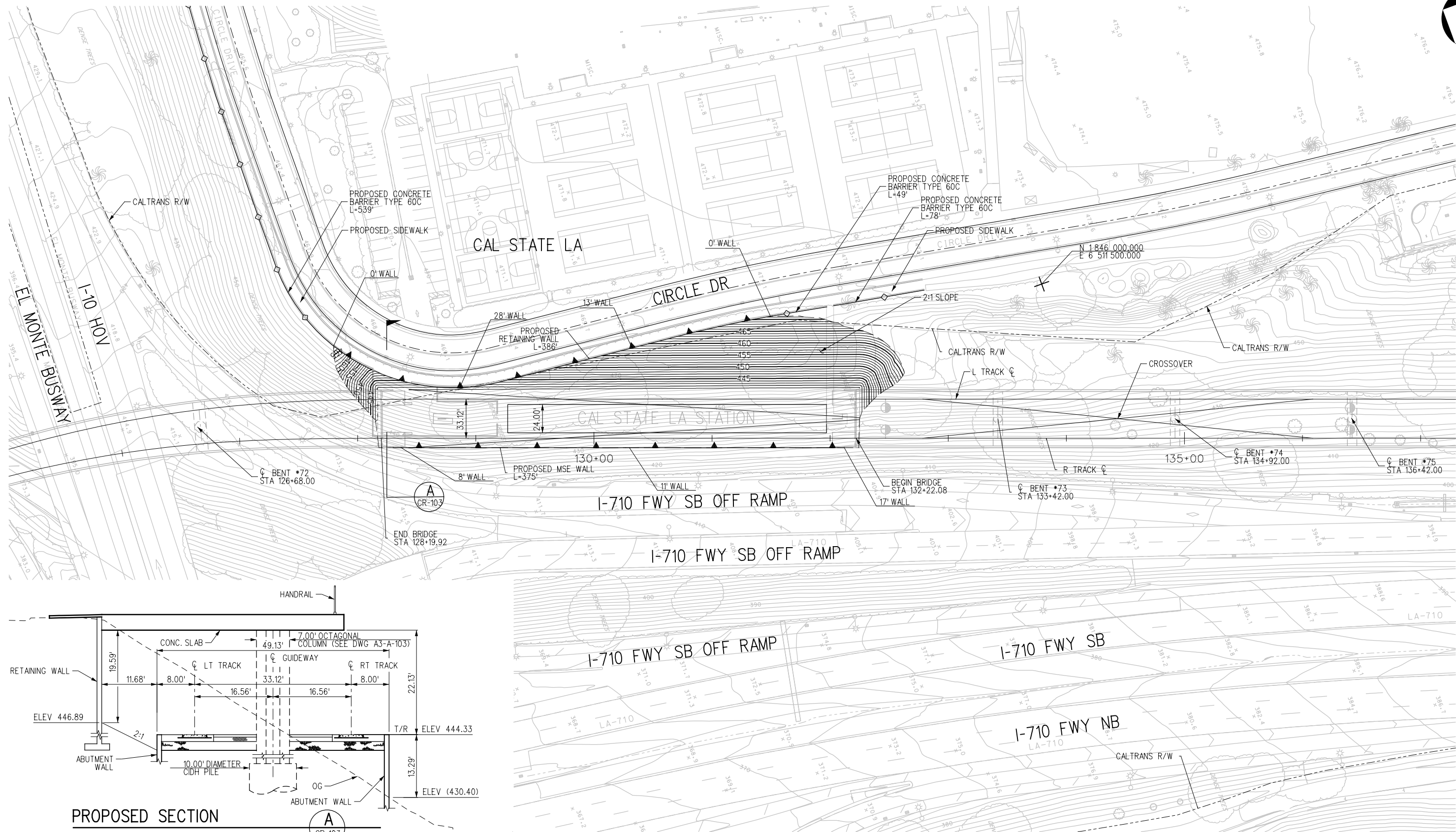


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 2 OF 6

CONTRACT NO	
DRAWING NO CR-102	REV
SCALE 1" = 40'	
SHEET NO	

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PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

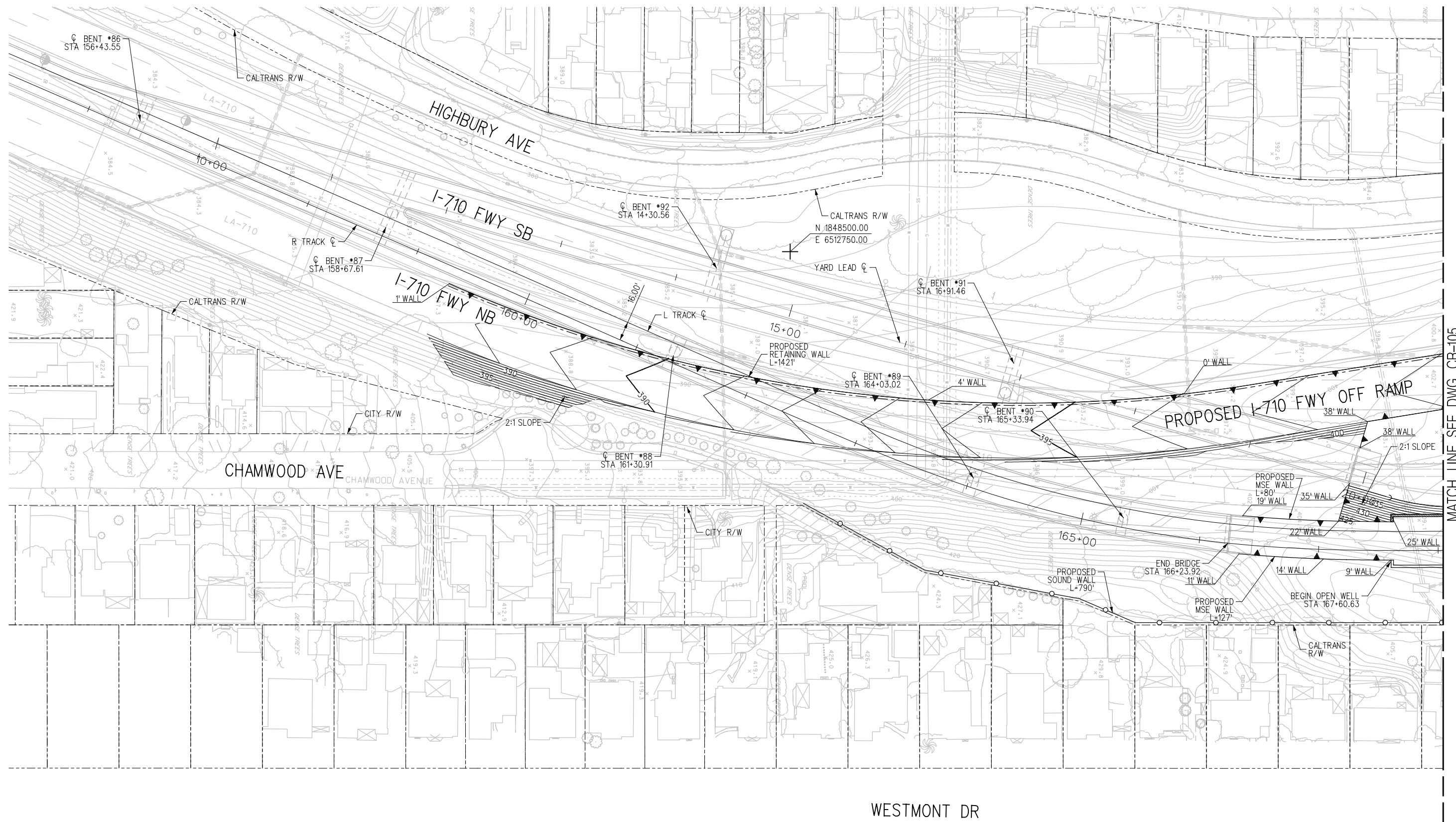
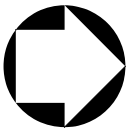
DESIGNED BY
A. GRANDOV
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 3 OF 6

CONTRACT NO	
DRAWING NO	REV
CR-103	
SCALE	1" = 40'
SHEET NO	

Pentable-MTA_HALF-BW_PDF.plt 8/27/2013 3:07:45 PM USER=almashat



MATCH LINE SEE DWG CR-105

PRELIMINARY



REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

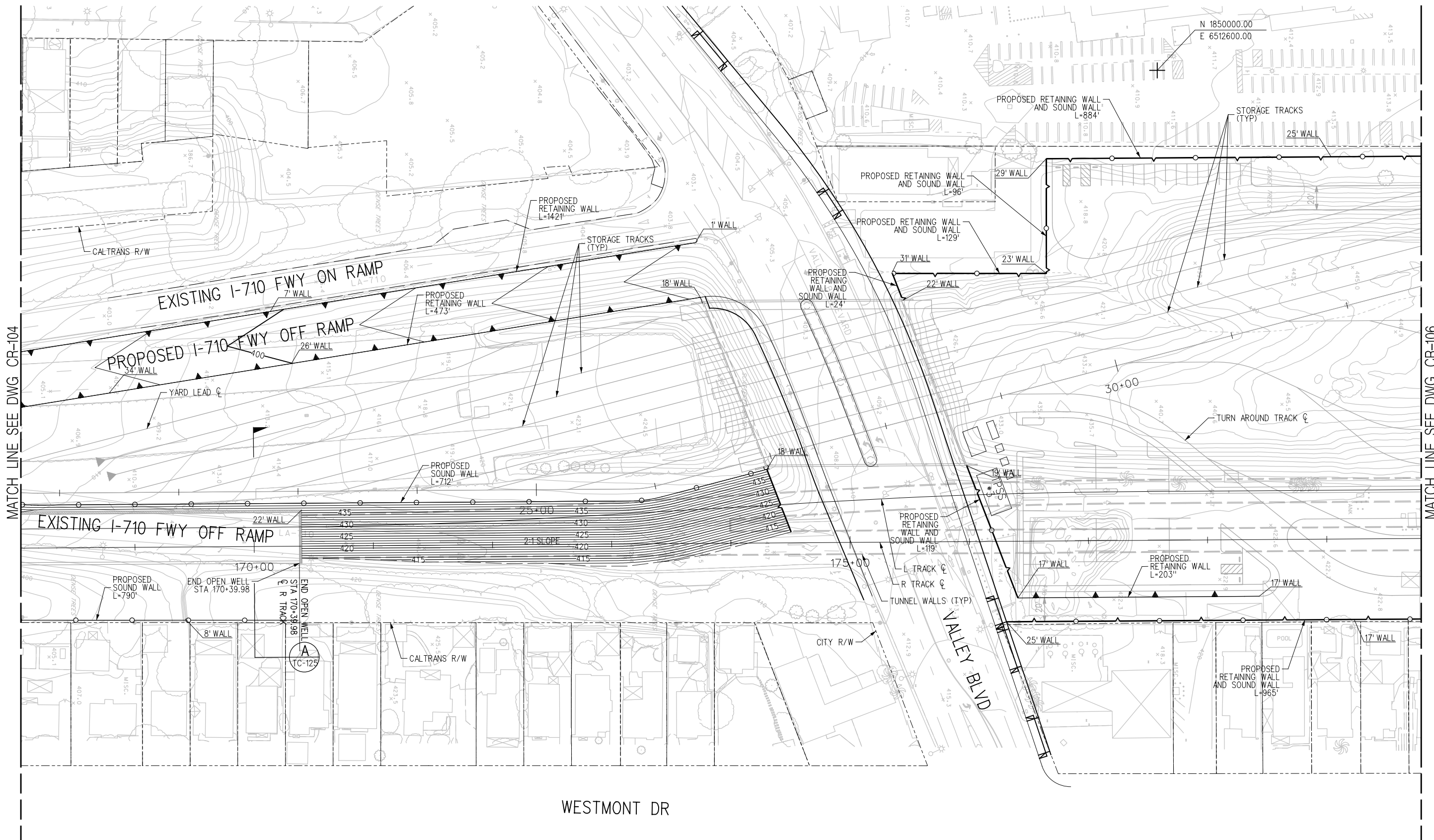
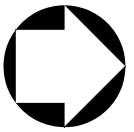
DESIGNED BY A. GRANDOV
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 4 OF 6

CONTRACT NO	
DRAWING NO CR-104	REV
SCALE 1" = 40'	SHEET NO

8/8/2013 ...\\sheets\700-AC-CR-104.plg USER=almashatm 3:08:17 PM Pentable=MTA_HALF-BW_PDF.plt



MATCH LINE SEE DWG CR-104

MATCH LINE SEE DWG CR-106

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY
A. GRANDOV

DRAWN BY
F. ALVARADO

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

DATE
8/12/13

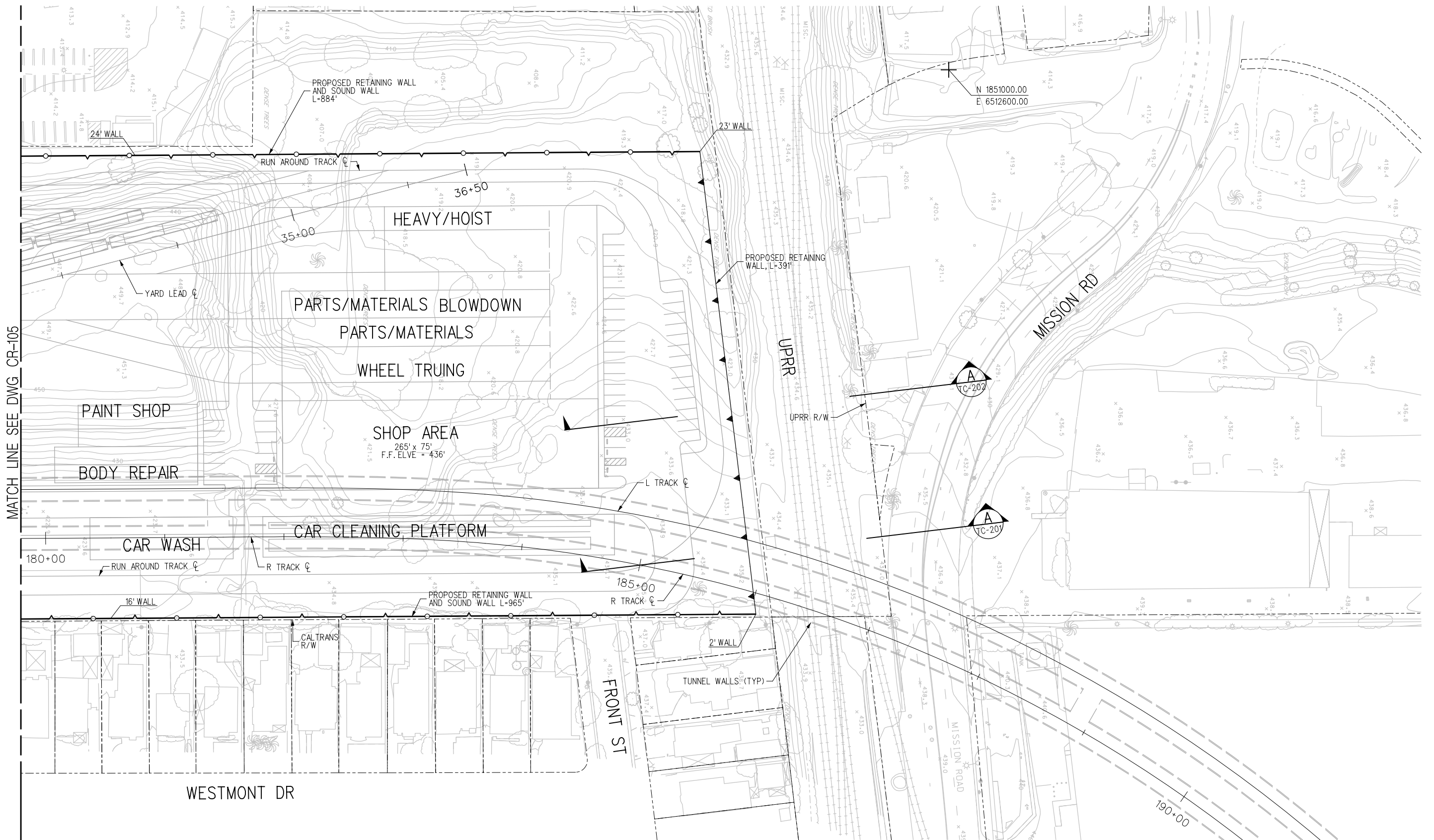
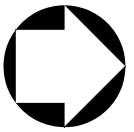
M Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 5 OF 6

CONTRACT NO	
DRAWING NO	REV
CR-105	
SCALE	1" = 40'
SHEET NO	

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MATCH LINE SEE DWG CR-105

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

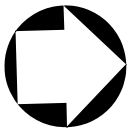
DESIGNED BY
A. GRANDOV
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



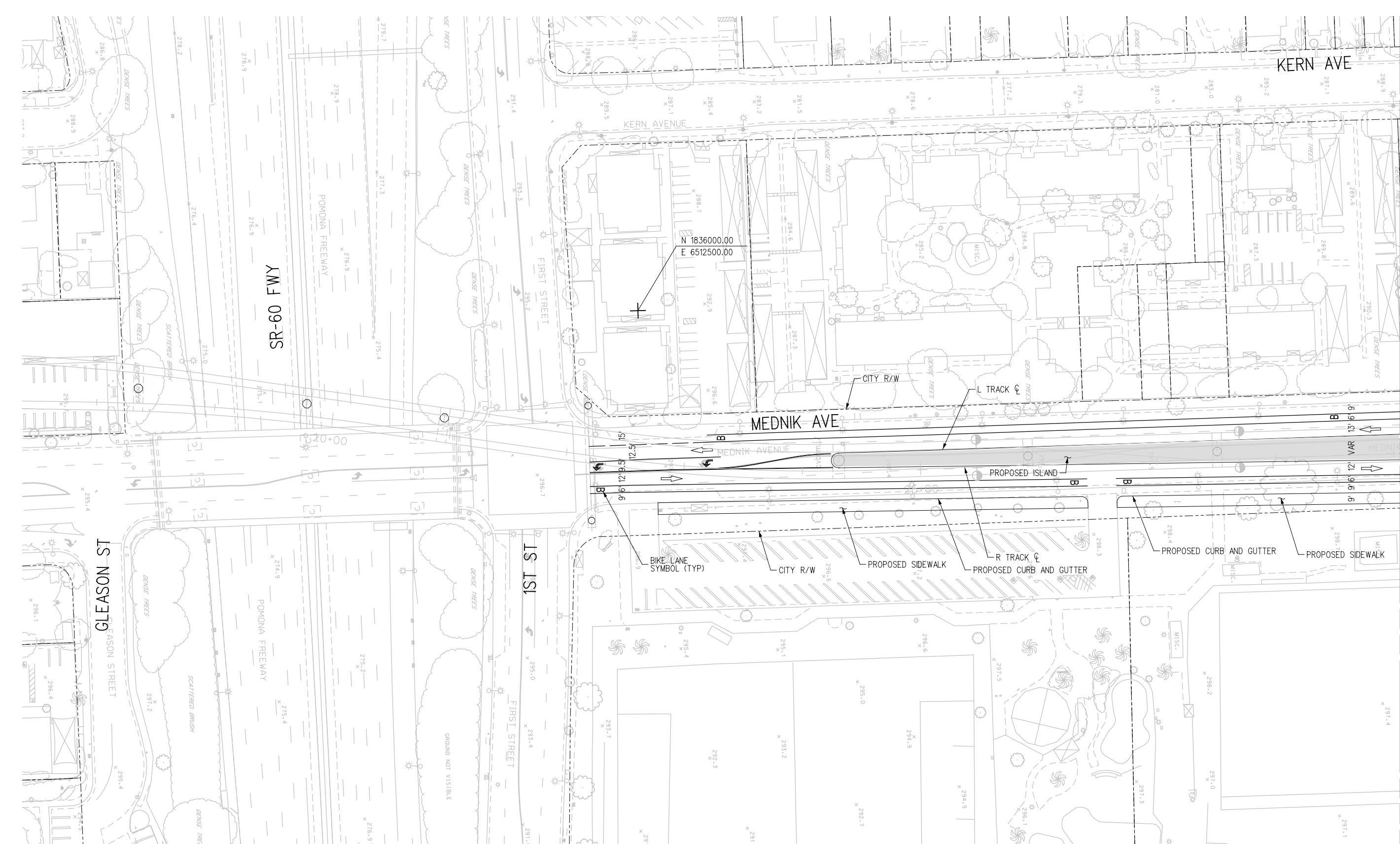
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
GRADING PLAN
SHEET 6 OF 6

CONTRACT NO	
DRAWING NO	REV
CR-106	
SCALE	1" = 40'
SHEET NO	



LEGEND
 B BIKE LANE SYMBOL
 → DIRECTION OF TRAFFIC



PRELIMINARY

PLAN

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

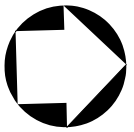
DESIGNED BY
A. BUI
 DRAWN BY
F. ALVARADO
 CHECKED BY
J. AL-MASHAT
 IN CHARGE
J. AL-MASHAT
 DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

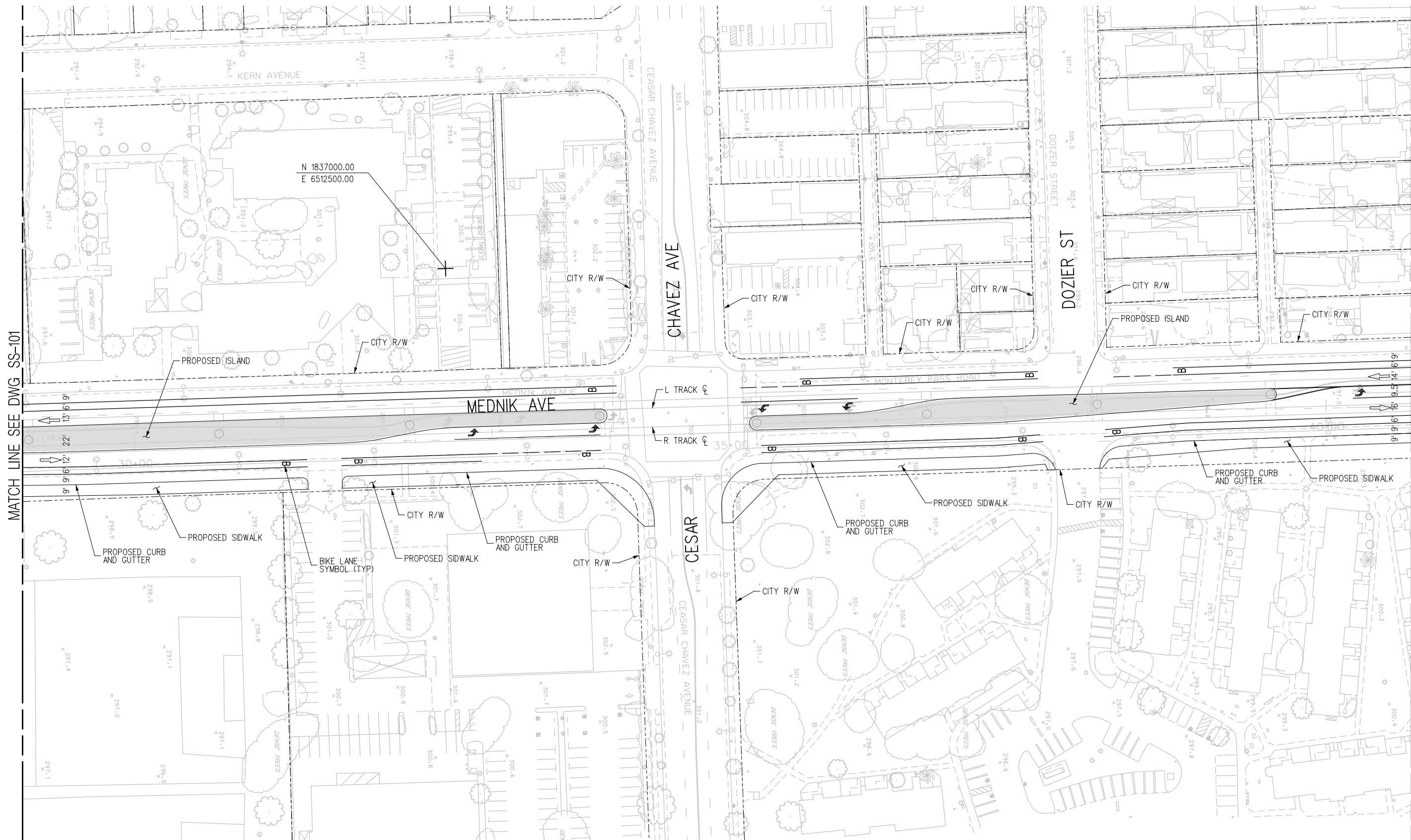
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
STRIPING PLAN
SHEET 1 OF 5

CONTRACT NO	
DRAWING NO	REV
SS-101	
SCALE	
1" = 40'	
SHEET NO	



LEGEND

- B BIKE LANE SYMBOL
- DIRECTION OF TRAFFIC



MATCH LINE SEE DWG SS-101

MATCH LINE SEE DWG SS-103

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

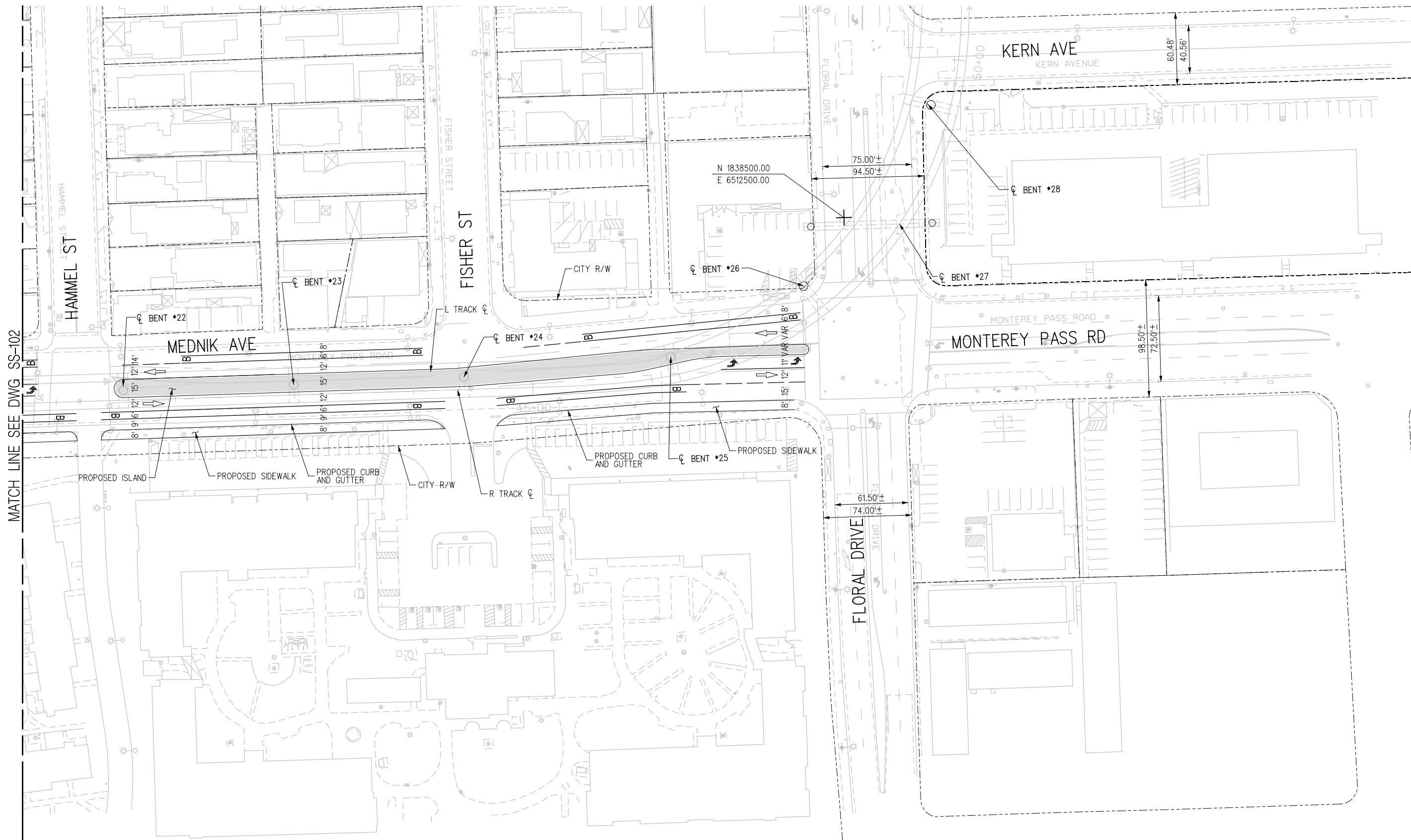
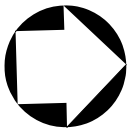
DESIGNED BY
A. BUI
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
STRIPING PLAN
SHEET 2 OF 5

CONTRACT NO	
DRAWING NO	REV
SS-102	
SCALE	1" = 40'
SHEET NO	



LEGEND
 B BIKE LANE SYMBOL
 → DIRECTION OF TRAFFIC

MATCH LINE SEE DWG SS-102

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

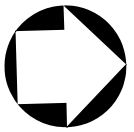
DESIGNED BY
A. BUI
 DRAWN BY
F. ALVARADO
 CHECKED BY
J. AL-MASHAT
 IN CHARGE
J. AL-MASHAT
 DATE
8/12/13



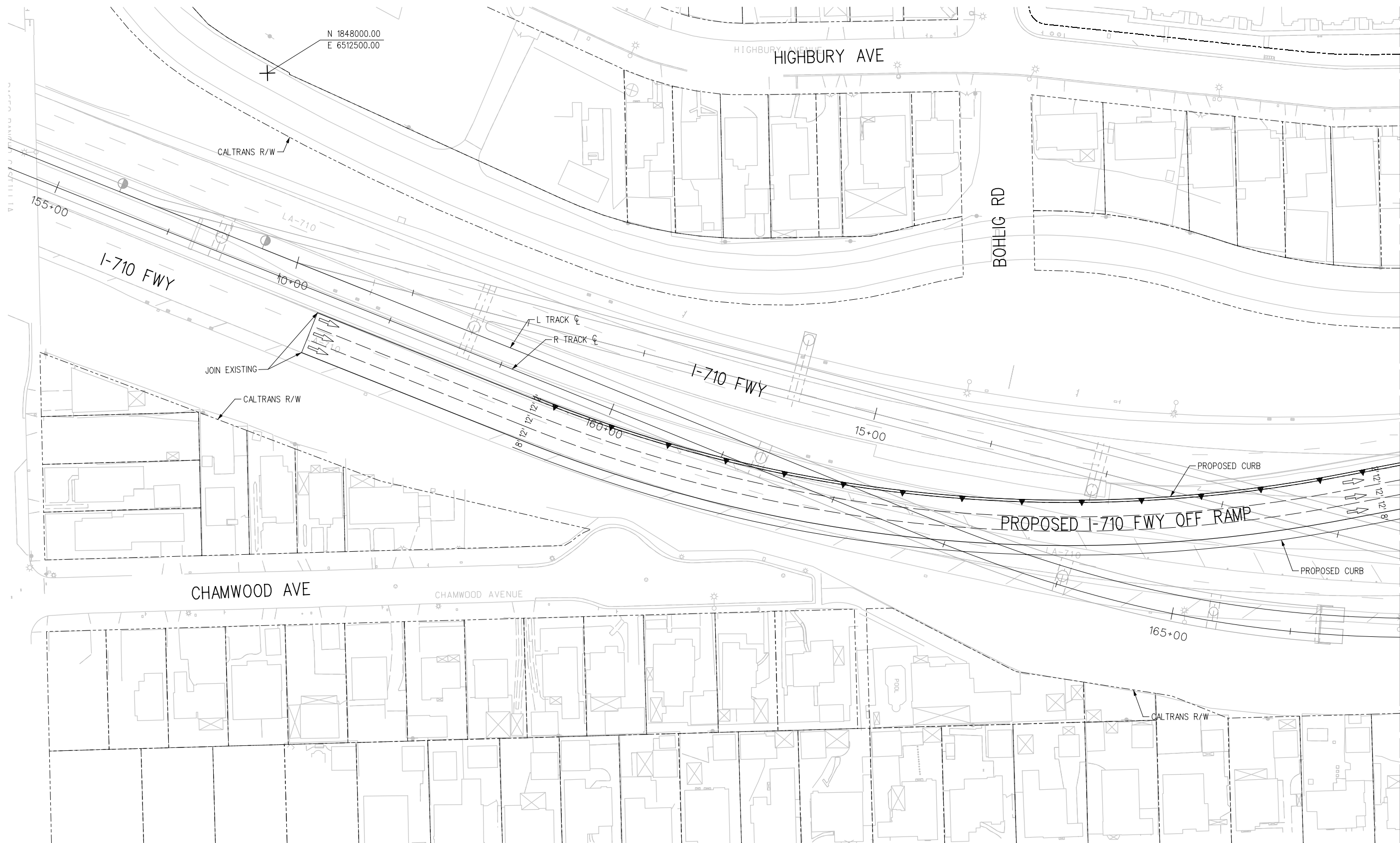
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 STRIPING PLAN
 SHEET 3 OF 5

CONTRACT NO	
DRAWING NO SS-103	REV
SCALE 1" = 40'	
SHEET NO	



LEGEND
→ DIRECTION OF TRAFFIC



MATCH LINE SEE DWG SS-105

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. BUI
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

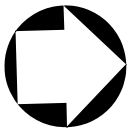


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
STRIPING PLAN
SHEET 4 OF 5

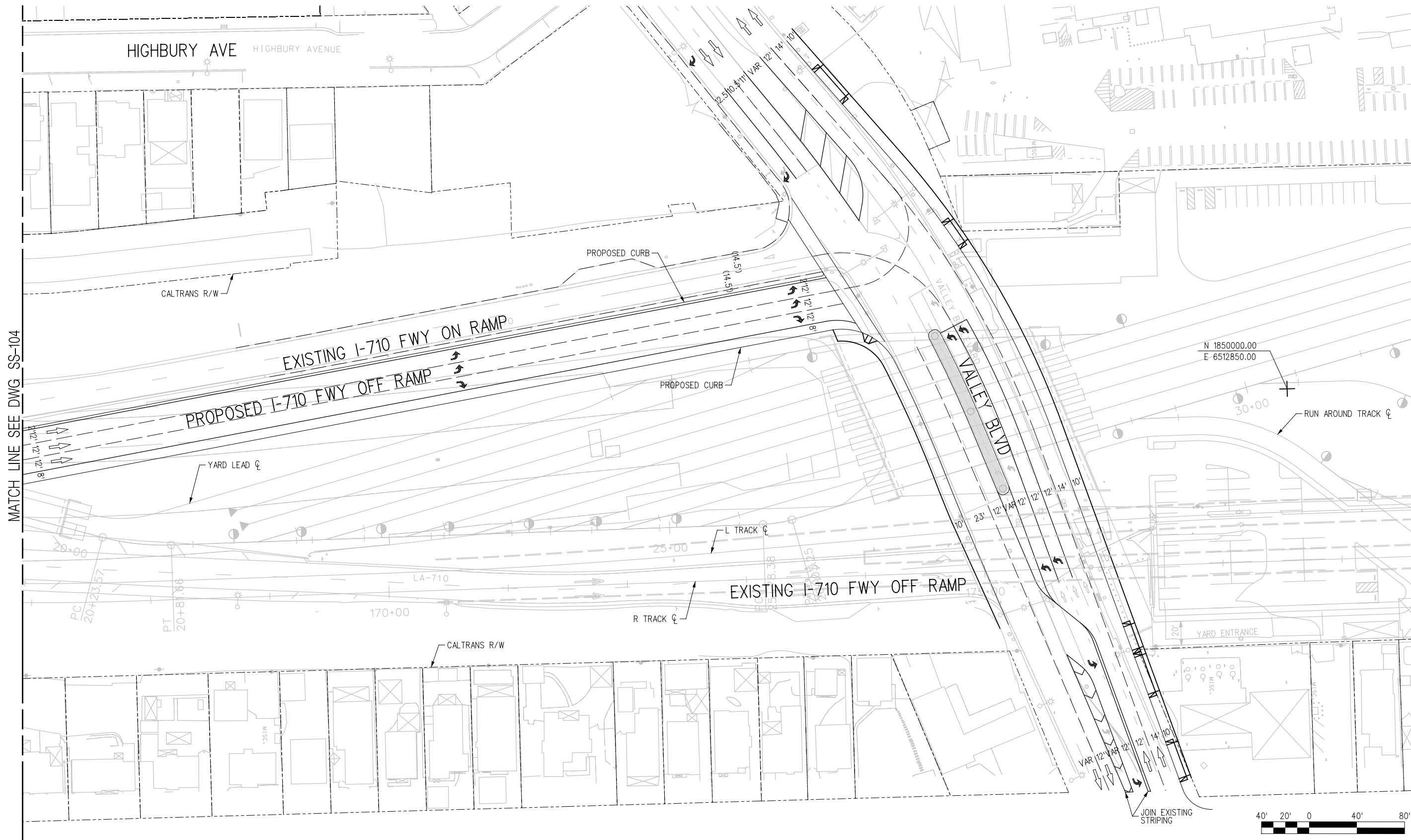
CONTRACT NO	
DRAWING NO SS-104	REV
SCALE 1" = 40'	
SHEET NO	

Plot Driver: M:\AL_HALF_BW_PDF.plt;g 8/8/2013 3:09:48 PM USER:almashatm



LEGEND

→ DIRECTION OF TRAFFIC



MATCH LINE SEE DWG SS-104

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
STRIPING PLAN
SHEET 5 OF 5

CONTRACT NO	
DRAWING NO SS-105	REV
SCALE 1" = 40'	SHEET NO

Plot Driver: M:\AL_HALF_BW_Plot.pptg
8/8/2013 5:10:03 PM
USER: almashatm
Pentable: M:\AL_HALF_BW1.rvt

GENERAL

AC & e	ASPHALT CONCRETE AND AT	FS	FINISHED SURFACE
AL	LEFT TRACK - LINE A	FT	FOOT OR FEET
AHD	AHEAD	FWY	FREEWAY
APP	APPROVED		
A/R	AS REQUIRED	GALV	GALVANIZED
AR	RIGHT TRACK - LINE A	GP	GAUGE PLATE
AREA	AMERICAN RAILWAY ENGINEERING ASSOCIATION	GR	GUARD RAIL PLATE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS		
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	HD	HEAD
AT & SF RY CO	ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPANY	HL	HEEL LENGTH
APPROX	APPROXIMATE	HP	HEEL PLATE
ATC	AUTOMATIC TRAIN CONTROL	HS	HIGH STRENGTH
AVE	AVENUE		
AWG	AMERICAN WIRE GAUGE		
		ID	INSIDE DIAMETER
		IJ	INSULATED JOINT
		IN	INCH OR INCHES
BB	BRIDGING BEAM	JT	JOINT
BC	BARE COPPER		
BD	BLOWDOWN TRACK		
BEG	BEGIN		
BK	BACK		
B/L	BASELINE	LA	LOS ANGELES
BL	LEFT TRACK - LINE B	LACCFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
BLDG	BUILDING	LACMTA	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
BP	BYPASS TRACK		
BR	RIGHT TRACK - LINE B	LAT	LATERAL
		LB	POUND
		LG	LONG
e	CENTERLINE	LH	LEFT HAND
C TO C	CENTER TO CENTER	LL	LIVE LOAD
CANT	CANTILEVER	L & T	LEAD & TACK
CBD	CENTRAL BUSINESS DISTRICT		
CLR	CLEAR, CLEARANCE		
CONC	CONCRETE	MAX	MAXIMUM
COND	CONDUIT	MCM	THOUSAND CIRCULAR MIL
CONN	CONNECTION	MIN	MINIMUM
CONST	CONSTRUCTION	MOD	MODIFIED
CONT'D	CONTINUED	MPH	MILES PER HOUR
CW	CARWASH TRACK	MR	MAINTENANCE AND REPAIR TRACK
CWR	CONTINUOUS WELDED RAIL	MSL	MEAN SEA LEVEL
		MTA	METROPOLITAN TRANSPORTATION AUTHORITY
		MW	MAINTENANCE-OF-WAY TRACK
DBL	DOUBLE		
DF	DIRECT FIXATION	NB	NORTH BOUND
DIA, ø	DIAMETER	NIC	NOT IN CONTRACT
DW	DOMESTIC WATER	NO(S),#	NUMBER, NUMBERS
DWG	DRAWING	NTS	NOT TO SCALE
EA	EACH		
EG	EXEMPLI GRATIA (FOR EXAMPLE)		
ELEV	ELEVATION	OC	ON CENTER OR ON CENTERS
EOR	END OF ROAD	OCS	OVERHEAD CONTACT SYSTEM
EQ	EQUAL	OD	OUTSIDE DIAMETER
EQN	EQUATION	OPP	OPPOSITE
EQUIL	EQUILATERAL	OS	OUTDOOR STORAGE TRACK
ET	END OF TRACK		
EXIST	EXISTING	PF	POINT OF FROG
		PFS	PRECAST FLOATING SLAB
FG	FROG GAUGE PLATE	PFS-RES	PRECAST FLOATING SLAB WITH RESTRAINING RAIL
FI	FIXED INVERT	PGL	PROFILE GRADE LINE
FIN GR	FINISHED GRADE	PS	POINT OF SWITCH
FL	FLOW LINE	PT	POINT
FP	FIRE PROTECTION	PVMT	PAVEMENT

QTY	QUANTITY	R	RADIUS
		RA	RUNAROUND TRACK
		RBM	RAILBOUND MANGANESE
		RCC	RAIL CONSTRUCTION CORPORATION
		RCPA	REINFORCED CONCRETE PIPE ARCH
		RD	ROAD
		RE	AMERICAN RAILWAY ENGINEERING ASSOCIATION
		REF	REFERENCE
		REINF	REINFORCING
		REQ'D	REQUIRED
		RES	RESTRAINING RAIL
		REV	REVISION
		RH	RIGHT HAND
		RR	RAILROAD
		R/W	RIGHT-OF-WAY
S & T	SPIKE IN TIN		
S & W	SPIKE AND WASHER		
SA	SERVICE AISLE		
SB	SOUTH BOUND		
SD	STORM DRAIN		
SGL	SINGLE		
SHT	SHEET		
SI	SERVICE AND INSPECTION TRACK		
SP	SPACE, SPACING, SPECIAL PLATE		
SS	STANDARD STRENGTH		
ST	STREET, MAINTENANCE AND REPAIR STORAGE TRACK		
STA	STATION, SANTA		
STD	STANDARD		
STM	STANDARD TRANSVERSE MONUMENT		
SQ	SQUARE		
SSDM	STANDARD SURVEY DISC MONUMENT		
SUB	SUBMITTED		
SW	SWITCH		
		TC	TRACK CENTERS, TOP OF CURB
		TEMP	TEMPORARY
		THEO	THEORETICAL
		TL	TOE LENGTH, TAIL TRACK
		TO	TURNOUT
		T/R	TOP OF RAIL ELEVATION
		TRK	TRACK
		TT	TRANSFER TRACK
		TYP	TYPICAL
		UNC	UNIFIED (INCH) COARSE SCREW THREAD
		W/	WITH
		W/O	WITHOUT
		X-ING	CROSSING
		X-OVER, X	CROSSOVER
		YL	YARD LEAD - LEFT TRACK
		YR	YARD LEAD - RIGHT TRACK

TRACK ALIGNMENT

HORIZONTAL

Δ	TOTAL CENTRAL ANGLE OF CIRCULAR CURVE
BC	BEGINNING OF CIRCULAR CURVE
CS	POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL
E _o	ACTUAL SUPERELEVATION
EC	END OF CIRCULAR CURVE
E _u	UNBALANCED SUPERELEVATION
I	TOTAL CENTRAL ANGLE OR TOTAL INTERSECTION ANGLE
L	TOTAL CURVE LENGTH
L _c	TOTAL LENGTH OF CIRCULAR CURVE
L _s	TOTAL LENGTH OF SPIRAL
L _{s1}	TOTAL LENGTH OF SPIRAL DOWN STATION
L _{s2}	TOTAL LENGTH OF SPIRAL UP STATION
PC	POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE
PI	POINT OF INTERSECTION OF TWO TANGENTS
PITO	POINT OF INTERSECTION OF TURNOUT
POC	POINT ON CIRCULAR CURVE
PT	POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT
R	RADIUS
SC	POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE
SS	POINT OF CHANGE FROM ONE SPIRAL TO ANOTHER
ST	POINT OF CHANGE FROM SPIRAL TO TANGENT
T	TANGENT LENGTH
TS	POINT OF CHANGE FROM TANGENT TO SPIRAL

VERTICAL

LVC	LENGTH OF VERTICAL CURVE (PVC TO PVT)
POVC	POINT ON VERTICAL CURVE
PVC	BEGIN VERTICAL CURVE
PVI	POINT OF INTERSECTION OF TWO PROFILE TANGENTS
PVT	END VERTICAL CURVE
VC	VERTICAL CURVE

F:\N_PROGRESS\Standard Drawings\Track\TS-405.dwg - LAST PLOTTED ON Tue 05/11/10 - 10:55AM BY rubing

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	05/10/10						RE-BASELINED

DESIGNED BY
D. CHONG
DRAWN BY
A. RUBIN
CHECKED BY
A. DAVIDIAN
IN CHARGE
A. DAVIDIAN
DATE
MAY 10, 2010



M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

METRO RAIL TRACKWORK STANDARD INSTALLATION TRACKWORK ABBREVIATIONS

CONTRACT NO.	
DRAWING NO.	TS-405
REV	0
SCALE	NO SCALE
SHEET NO.	

TRACK SYMBOLS

- RIGHT-OF-WAY LINE
- CENTERLINE
- STANDARD RAIL (TRACK CHARTS)
- HIGH STRENGTH RAIL (TRACK CHARTS)
- RESTRAINING RAIL (TRACK CHARTS)
- LEFT HAND CURVE
- RIGHT HAND CURVE
- ARROW INDICATES DIRECTION OF INCREASED STATIONING
- POINT OF SWITCH - LOCATION OF SWITCH MACHINE
- TURNOUT
- SINGLE CROSSOVER
- DOUBLE CROSSOVER
- CONTACT RAIL END APPROACH - MAINLINE
- CONTACT RAIL END APPROACH - YARD
- CONTACT RAIL EXPANSION JOINT
- CONTACT RAIL ANCHOR
- CONTINUOUS WELDED RAIL
- BUMPING POST
- PITO
- PI/PVI
- COORDINATE NUMBER
- CURVE NUMBER
- EXISTING RAILROAD (NON-METRO RAIL)
- EXISTING TRACK, FUTURE TRACKS
- CONTACT RAIL DIP SECTION
- CONTACT RAIL SIDE APPROACH
- CONTACT RAIL INSULATOR
- PROFILE GRADE LINE

- 02 CONTACT RAIL TRACTION POWER CIRCUIT DESIGNATION
 - 235 CONDUIT RUN NUMBER
 - STANDARD JOINT
 - BONDED STANDARD JOINT
 - BONDED INSULATED JOINT
 - STANDARD JOINT
 - BONDED STANDARD JOINT
 - BONDED INSULATED JOINT
 - INSULATED JOINTS ON BOTH RAILS (TRACK CHARTS)
 - DERAIL
 - HINGED WHEEL STOPS
 - RIGHT-OF-WAY DEFINING POINT
 - CHAIN LINK FENCE
- ON RAIL LAYOUT DIAGRAMS

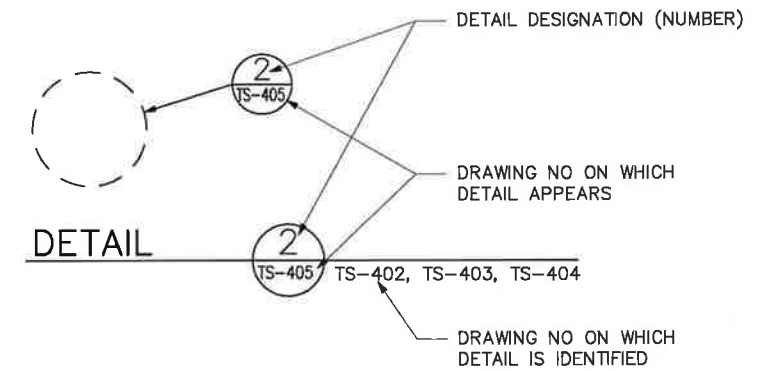
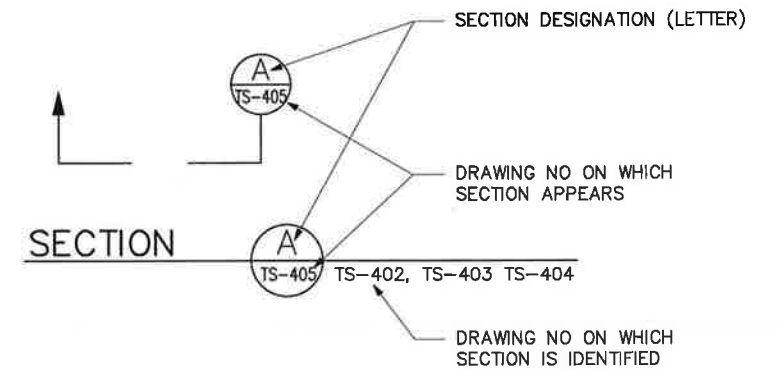
MATERIAL SYMBOLS

- CONCRETE
- ELASTOMER
- INSULATING MATERIAL
- TIMBER
- AC PVMT WEARING COURSE (SECTIONS)
- AC PVMT BASE COURSE (SECTIONS)
- AC PVMT (PLANS)
- STEEL
- SUBGRADE EARTH
- WELDING
- BALLAST
- SUBBALLAST

GENERAL SYMBOLS

- A:B DOWN GRADE IN DIRECTION OF ARROW
A=RUN B=RISE
- DIMENSION LINE CONTINUES
- BREAK IN DRAWING
- BREAK IN DIMENSION
- 1/4" FILLET WELD
- SWITCH POINT DERAIL

SECTIONS & DETAILS

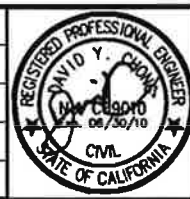


F:\N_PROGRESS\Standard Drawings\Track\TS-406.dwg - LAST PLOTTED ON Tue 05/11/10 - 10:56AM BY rubing

SB 233+45.29 BK= STATION EQUATION
NB 234+00 AHD

REV	DATE	BY	APP	REG. NO.	EXPIRES	SEAL HOLDER	DESCRIPTION
0	05/10/10						RE-BASELINED

DESIGNED BY
D. CHONG
DRAWN BY
A. RUBIN
CHECKED BY
A. DAVIDIAN
IN CHARGE
A. DAVIDIAN
DATE
MAY 10, 2010




M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

METRO RAIL TRACKWORK STANDARD INSTALLATION
TRACKWORK SYMBOLS

CONTRACT NO	
DRAWING NO	REV
TS-406	0
SCALE	
NO SCALE	
SHEET NO	

DESCRIPTION	STATION	NORTHING	EASTING	DESCRIPTION	STATION	NORTHING	EASTING	DESCRIPTION	STATION	NORTHING	EASTING	DESCRIPTION	STATION	NORTHING	EASTING
1000				1020				1040				1060			
Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL			
PI ()	19+12.97	1835653.2510	6512569.1860	PI ()	48+69.48	1838604.5504	6512633.9906	PI ()	63+86.70	1839271.3792	6511517.9354	PI ()	76+47.94	1840480.4651	6511199.9538
TS ()	17+54.93	1835495.3550	6512562.2921	TS ()	45+03.06	1838238.1340	6512634.9906	TS ()	61+89.43	1839074.1045	6511517.9354	TS ()	73+88.46	1840222.7656	6511230.2518
SPI ()	18+21.60	1835561.9613	6512565.2002	SPI ()	45+89.94	1838325.0144	6512634.7535	SPI ()	62+76.16	1839160.8370	6511517.9354	SPI ()	74+75.21	1840308.9158	6511220.1230
SC ()	18+54.93	1835595.2084	6512567.6330	SC ()	46+33.06	1838367.4991	6512625.2801	SC ()	63+19.43	1839203.9163	6511512.7247	SC ()	75+18.46	1840352.3153	6511220.6858
CC ()		1835471.1423	6514263.0998	CC ()		1838302.2071	6512332.4713	CC ()		1839139.0731	6510976.6320	CC ()		1840345.8323	6511720.6437
CS ()	19+70.70	1835710.2973	6512580.0060	CS ()	49+73.48	1838595.1929	6512396.9639	CS ()	64+48.33	1839328.8322	6511482.1926	CS ()	77+58.52	1840582.5041	6511280.2048
SPI ()	20+04.04	1835743.3019	6512584.6957	SPI ()	50+17.01	1838604.5504	6512354.4536	SPI ()	64+91.72	1839369.4579	6511466.9440	SPI ()	78+01.92	1840620.7370	6511300.7494
ST ()	20+70.70	1835809.0042	6512596.0117	ST ()	51+03.48	1838604.5504	6512267.5729	ST ()	65+78.33	1839446.4115	6511426.9356	ST ()	78+88.52	1840691.1800	6511351.3678
Total Central Angle:	7°16'20" Right			Total Central Angle:	89°50'37" Left			Total Central Angle:	27°28'12" Left			Total Central Angle:	42°24'20" Right		
First Subtangent Distance:	158.05			First Subtangent Distance:	366.42			First Subtangent Distance:	197.27			First Subtangent Distance:	259.47		
Second Subtangent Distance:	158.05			Second Subtangent Distance:	366.42			Second Subtangent Distance:	197.27			Second Subtangent Distance:	259.47		
External:	3.67			External:	127.00			External:	17.24			External:	37.81		
Spiral Type:	Clothoid			Spiral Type:	Clothoid			Spiral Type:	Clothoid			Spiral Type:	Clothoid		
Length:	100.00			Length:	130.00			Length:	130.00			Length:	130.00		
Angle:	1°41'07"			Angle:	12°24'51"			Angle:	6°53'48"			Angle:	7°26'54"		
Constant:	412.31			Constant:	197.48			Constant:	264.95			Constant:	254.95		
Long Tangent:	66.67			Long Tangent:	86.88			Long Tangent:	86.73			Long Tangent:	86.74		
Short Tangent:	33.34			Short Tangent:	43.53			Short Tangent:	43.39			Short Tangent:	43.40		
Long Chord:	100.00			Long Chord:	129.73			Long Chord:	129.92			Long Chord:	129.90		
Xs:	99.99			Xs:	129.39			Xs:	129.81			Xs:	129.78		
Ys:	0.98			Ys:	9.36			Ys:	5.21			Ys:	5.63		
P:	0.25			P:	2.34			P:	1.30			P:	1.41		
K:	50.00			K:	64.90			K:	64.97			K:	64.96		
Radius:	1700.00			Radius:	300.00			Radius:	540.00			Radius:	500.00		
Delta:	3°54'07"			Delta:	65°00'56"			Delta:	13°40'36"			Delta:	27°30'31"		
Length:	115.77			Length:	340.42			Length:	128.90			Length:	240.06		
Degree of Curvature(Arc):	3°22'13"			Degree of Curvature(Arc):	19°05'55"			Degree of Curvature(Arc):	10°36'37"			Degree of Curvature(Arc):	11°27'33"		
Tangent:	57.91			Tangent:	191.18			Tangent:	64.76			Tangent:	122.39		
Chord:	115.75			Chord:	322.45			Chord:	128.59			Chord:	237.76		
Middle Ordinate:	0.99			Middle Ordinate:	47.00			Middle Ordinate:	3.84			Middle Ordinate:	14.34		
External:	0.99			External:	55.74			External:	3.87			External:	14.76		
	V = 25 M.P.H				V = 20 M.P.H				V = 25 M.P.H				V = 25 M.P.H		
1010				1030				1050				1070			
Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL			
PI ()	23+35.21	1836069.6783	6512640.9084	PI ()	58+53.12	1838604.5504	6511517.9354	PI ()	68+73.61	1839708.4025	6511290.7259	PI ()	91+21.56	1841692.5114	6512070.8975
TS ()	21+72.27	1835909.0971	6512613.2510	TS ()	54+85.88	1838604.5504	6511885.1771	TS ()	66+90.24	1839545.7066	6511375.3119	TS ()	80+17.21	1840795.6877	6511426.4642
SPI ()	22+38.94	1835974.8015	6512624.5675	SPI ()	55+72.76	1838604.5504	6511798.2963	SPI ()	67+63.60	1839610.7929	6511341.4734	SPI ()	81+63.90	1840914.8143	6511512.0654
SC ()	22+72.27	1836007.8491	6512628.9586	SC ()	56+15.88	1838613.9078	6511755.7860	SC ()	68+00.24	1839644.5725	6511327.1569	SC ()	82+37.21	1840976.7631	6511551.3533
CC ()		1836179.0773	6511340.2845	CC ()		1838906.8937	6511820.2787	CC ()		1839917.7268	6511971.6619	CC ()		1841994.3545	6509946.8261
CS ()	23+97.54	1836132.6349	6512639.4546	CS ()	59+57.12	1838842.4011	6511527.2928	CS ()	69+43.93	1839781.6747	6511285.0107	CS ()	98+48.51	1842524.6619	6511771.3189
SPI ()	24+30.88	1836165.9516	6512640.6456	SPI ()	60+00.65	1838884.9114	6511517.9354	SPI ()	69+80.62	1839817.6633	6511277.8800	SPI ()	99+21.87	1842595.1034	6511750.8444
ST ()	24+97.54	1836232.6232	6512640.4637	ST ()	60+87.12	1838971.7921	6511517.9354	ST ()	70+53.93	1839890.5186	6511269.3144	ST ()	100+68.51	1842733.3611	6511701.8191
Total Central Angle:	9°55'43" Left			Total Central Angle:	90°00'00" Right			Total Central Angle:	20°45'52" Right			Total Central Angle:	55°13'27" Left		
First Subtangent Distance:	162.95			First Subtangent Distance:	367.24			First Subtangent Distance:	183.37			First Subtangent Distance:	1104.35		
Second Subtangent Distance:	162.95			Second Subtangent Distance:	367.24			Second Subtangent Distance:	183.37			Second Subtangent Distance:	1104.35		
External:	5.22			External:	127.58			External:	12.38			External:	245.41		
Spiral Type:	Clothoid			Spiral Type:	Clothoid			Spiral Type:	Clothoid			Spiral Type:	Clothoid		
Length:	100.00			Length:	130.00			Length:	110.00			Length:	220.00		
Angle:	2°12'13"			Angle:	12°24'51"			Angle:	4°30'07"			Angle:	3°19'02"		
Constant:	360.56			Constant:	197.48			Constant:	277.49			Constant:	646.53		
Long Tangent:	66.67			Long Tangent:	86.88			Long Tangent:	73.36			Long Tangent:	146.69		
Short Tangent:	33.34			Short Tangent:	43.53			Short Tangent:	36.69			Short Tangent:	73.36		
Long Chord:	100.00			Long Chord:	129.73			Long Chord:	109.97			Long Chord:	219.97		
Xs:	99.99			Xs:	129.39			Xs:	109.93			Xs:	219.93		
Ys:	1.28			Ys:	9.36			Ys:	2.88			Ys:	4.24		
P:	0.32			P:	2.34			P:	0.72			P:	1.06		
K:	50.00			K:	64.90			K:	54.99			K:	109.99		
Radius:	1300.00			Radius:	300.00			Radius:	700.00			Radius:	1900.00		
Delta:	5°31'17"			Delta:	65°10'19"			Delta:	11°45'39"			Delta:	48°35'24"		
Length:	125.27			Length:	341.24			Length:	143.69			Length:	1611.30		
Degree of Curvature(Arc):	4°24'27"			Degree of Curvature(Arc):	19°05'55"			Degree of Curvature(Arc):	8°11'06"			Degree of Curvature(Arc):	3°00'56"		
Tangent:	62.69			Tangent:	191.75			Tangent:	72.10			Tangent:	857.68		
Chord:	125.23			Chord:	323.14			Chord:	143.43			Chord:	1563.45		
Middle Ordinate:	1.51			Middle Ordinate:	47.22			Middle Ordinate:	3.68			Middle Ordinate:	168.26		
External:	1.51			External:	56.05			External:	3.70			External:	184.61		
	V = 25 M.P.H				V = 20 M.P.H				V = 25 M.P.H				V = 45 M.P.H		

PRELIMINARY

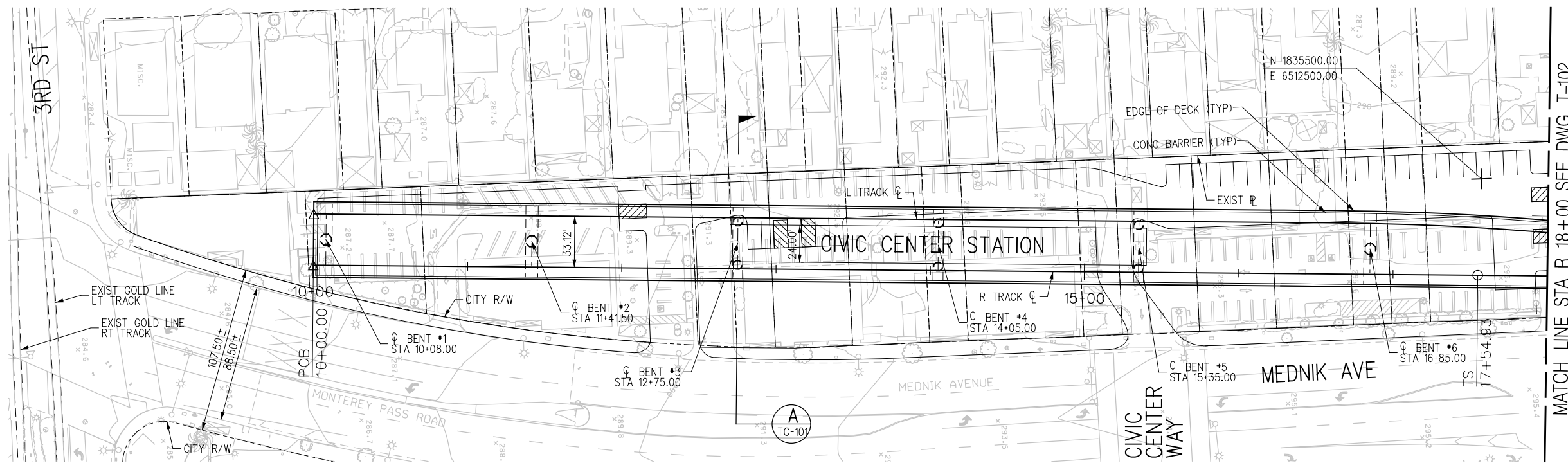
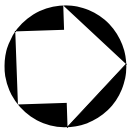
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.	DESIGNED BY	A. GRANDOV	 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ALIGNMENT CURVE DATA R TRACK SHEET 1 OF 3	CONTRACT NO				
	DRAWN BY	M. AL-MASHAT			DRAWING NO	TD-101	REV		
	CHECKED BY	J. AL-MASHAT			SCALE	NO SCALE			
	IN CHARGE	J. AL-MASHAT			SHEET NO				
	DATE	8/12/13							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION		

DESCRIPTION	STATION	NORTHING	EASTING	DESCRIPTION	STATION	NORTHING	EASTING	DESCRIPTION	STATION	NORTHING	EASTING
1160				1180				1200			
Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: Circular				Curve Set Type: SPIRAL CIRCULAR SPIRAL			
PI ()	283+29.50	1859082.6214	6515631.3627	PI ()	368+73.80	1867522.1801	6516207.7039	PI ()	391+85.16	1869714.9034	6516667.8333
TS ()	278+91.24	1858644.3847	6515636.0799	PC ()	367+89.09	1867437.4783	6516206.9283	TS ()	388+13.66	1869400.3607	6516470.1547
SPI ()	280+37.97	1858791.1076	6515634.5006	CC ()		1867542.7743	6504707.4104	SPI ()	389+23.70	1869493.5285	6516528.7073
SC ()	281+11.24	1858864.2595	6515640.4317	PT ()	369+58.50	1867606.8841	6516207.2317	SC ()	389+78.66	1869542.3807	6516554.0525
CC ()		1858767.2817	6516836.5067					CC ()		1870002.9053	6515666.4056
CS ()	285+31.29	1859268.5564	6515746.2206					CS ()	393+75.76	1869921.5132	6516663.0878
SPI ()	286+04.68	1859335.2383	6515776.8786					SPI ()	394+30.80	1869976.3662	6516667.5672
ST ()	287+51.29	1859462.3838	6515850.1187					ST ()	395+40.76	1870086.4055	6516667.4552
Total Central Angle:	30°33'36" Right			Total Central Angle:	0°50'39" Left			Total Central Angle:	32°12'22" Left		
First Subtangent Distance:	438.26			First Subtangent Distance:	84.71			First Subtangent Distance:	371.50		
Second Subtangent Distance:	438.26			Second Subtangent Distance:	84.71			Second Subtangent Distance:	371.50		
External:	45.72			External:	0.31			External:	42.02		
Spiral Type:	Clothoid	Clothoid		Radius:	11500.00 V = 55 M.P.H			Spiral Type:	Clothoid	Clothoid	
Length:	220.00	220.00		Delta:	0°50'39"			Length:	165.00	165.00	
Angle:	5°15'08"	5°15'08"		Length:	169.41			Angle:	4°43'37"	4°43'37"	
Constant:	513.81	513.81		Degree of Curvature(Arc):	0°29'54"			Constant:	406.20	406.20	
Long Tangent:	146.73	146.73		Tangent:	84.71			Long Tangent:	110.04	110.04	
Short Tangent:	73.39	73.39		Chord:	169.41			Short Tangent:	55.04	55.04	
Long Chord:	219.92	219.92		Middle Ordinate:	0.31			Long Chord:	164.95	164.95	
Xs:	219.82	219.82		External:	0.31			Xs:	164.89	164.89	
Ys:	6.72	6.72						Ys:	4.54	4.54	
P:	1.68	1.68						P:	1.13	1.13	
K:	109.97	109.97						K:	82.48	82.48	
Radius:	1200.00	V = 45 M.P.H						Radius:	1000.00	V = 35 M.P.H	
Delta:	20°03'21"							Delta:	22°45'09"		
Length:	420.05							Length:	397.10		
Degree of Curvature(Arc):	4°46'29"							Degree of Curvature(Arc):	5°43'46"		
Tangent:	212.20							Tangent:	201.20		
Chord:	417.91							Chord:	394.50		
Middle Ordinate:	18.33							Middle Ordinate:	19.65		
External:	18.62							External:	20.04		
1170				1190							
Curve Set Type: SPIRAL CIRCULAR SPIRAL				Curve Set Type: SPIRAL CIRCULAR SPIRAL							
PI ()	293+29.02	1859962.9951	6516138.4878	PI ()	383+21.55	1868969.9114	6516199.6330				
TS ()	289+03.58	1859594.3479	6515926.1345	TS ()	379+47.57	1868595.9421	6516201.7178				
SPI ()	290+50.32	1859721.4935	6515999.3747	SPI ()	380+57.61	1868705.9797	6516201.1044				
SC ()	291+23.58	1859788.1753	6516030.0326	SC ()	381+12.57	1868760.8525	6516205.3338				
CC ()		1860289.4500	6514939.7466	CC ()		1868684.0032	6517202.3765				
CS ()	295+19.73	1860168.6674	6516133.6526	CS ()	385+14.23	1869144.5278	6516314.7296				
SPI ()	295+93.12	1860241.6866	6516141.0396	SPI ()	385+69.27	1869193.3800	6516340.0749				
ST ()	297+39.73	1860388.4118	6516142.3831	ST ()	386+79.23	1869286.5478	6516398.6275				
Total Central Angle:	29°25'08" Left			Total Central Angle:	32°28'02" Right						
First Subtangent Distance:	425.43			First Subtangent Distance:	373.98						
Second Subtangent Distance:	425.43			Second Subtangent Distance:	373.98						
External:	42.40			External:	42.71						
Spiral Type:	Clothoid	Clothoid		Spiral Type:	Clothoid	Clothoid					
Length:	220.00	220.00		Length:	165.00	165.00					
Angle:	5°15'08"	5°15'08"		Angle:	4°43'37"	4°43'37"					
Constant:	513.81	513.81		Constant:	406.20	406.20					
Long Tangent:	146.73	146.73		Long Tangent:	110.04	110.04					
Short Tangent:	73.39	73.39		Short Tangent:	55.04	55.04					
Long Chord:	219.92	219.92		Long Chord:	164.95	164.95					
Xs:	219.82	219.82		Xs:	164.89	164.89					
Ys:	6.72	6.72		Ys:	4.54	4.54					
P:	1.68	1.68		P:	1.13	1.13					
K:	109.97	109.97		K:	82.48	82.48					
Radius:	1200.00	V = 45 M.P.H		Radius:	1000.00	V = 35 M.P.H					
Delta:	18°54'52"			Delta:	23°00'49"						
Length:	396.15			Length:	401.66						
Degree of Curvature(Arc):	4°46'29"			Degree of Curvature(Arc):	5°43'46"						
Tangent:	199.89			Tangent:	203.57						
Chord:	394.35			Chord:	398.97						
Middle Ordinate:	16.31			Middle Ordinate:	20.10						
External:	16.53			External:	20.51						

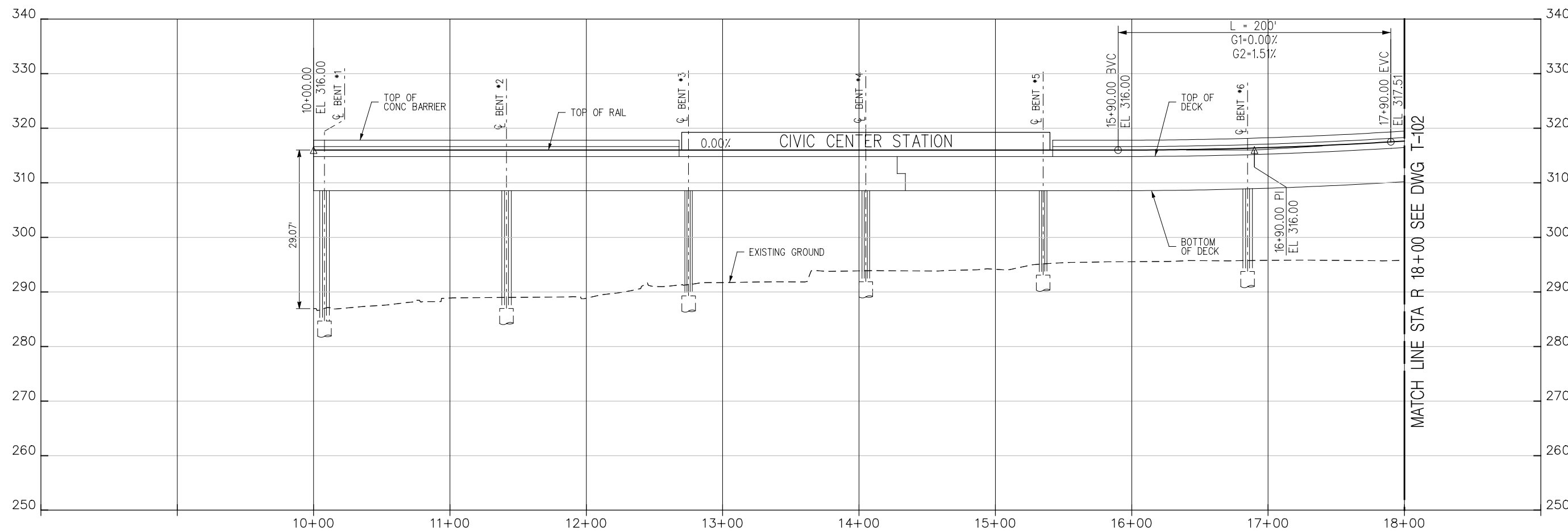
PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DESIGNED BY</td><td>A. GRANDOV</td></tr> <tr><td>DRAWN BY</td><td>M. AL-MASHAT</td></tr> <tr><td>CHECKED BY</td><td>J. AL-MASHAT</td></tr> <tr><td>IN CHARGE</td><td>J. AL-MASHAT</td></tr> <tr><td>DATE</td><td>8/12/13</td></tr> </table>	DESIGNED BY	A. GRANDOV	DRAWN BY	M. AL-MASHAT	CHECKED BY	J. AL-MASHAT	IN CHARGE	J. AL-MASHAT	DATE	8/12/13	<p style="font-weight: bold; margin: 0;">LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY</p>	<p style="font-weight: bold; margin: 0;">SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN ALIGNMENT CURVE DATA R TRACK SHEET 3 OF 3</p>																																						
DESIGNED BY	A. GRANDOV																																																		
DRAWN BY	M. AL-MASHAT																																																		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>REV</th><th>DATE</th><th>BY</th><th>APP</th><th>REG NO</th><th>EXPIRES</th><th>SEAL HOLDER</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION									<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CONTRACT NO</td><td> </td></tr> <tr><td>DRAWING NO</td><td>TD-103</td></tr> <tr><td>SCALE</td><td>NO SCALE</td></tr> <tr><td>SHEET NO</td><td> </td></tr> </table>	CONTRACT NO		DRAWING NO	TD-103	SCALE	NO SCALE	SHEET NO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>REV</td><td> </td></tr> <tr><td>DATE</td><td> </td></tr> <tr><td>BY</td><td> </td></tr> <tr><td>APP</td><td> </td></tr> <tr><td>REG NO</td><td> </td></tr> <tr><td>EXPIRES</td><td> </td></tr> <tr><td>SEAL HOLDER</td><td> </td></tr> <tr><td>DESCRIPTION</td><td> </td></tr> </table>	REV		DATE		BY		APP		REG NO		EXPIRES		SEAL HOLDER		DESCRIPTION		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CONTRACT NO</td><td> </td></tr> <tr><td>DRAWING NO</td><td>TD-103</td></tr> <tr><td>SCALE</td><td>NO SCALE</td></tr> <tr><td>SHEET NO</td><td> </td></tr> </table>	CONTRACT NO		DRAWING NO	TD-103	SCALE	NO SCALE	SHEET NO	
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION																																												
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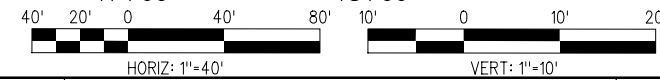
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PLAN



R TRACK PROFILE



PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

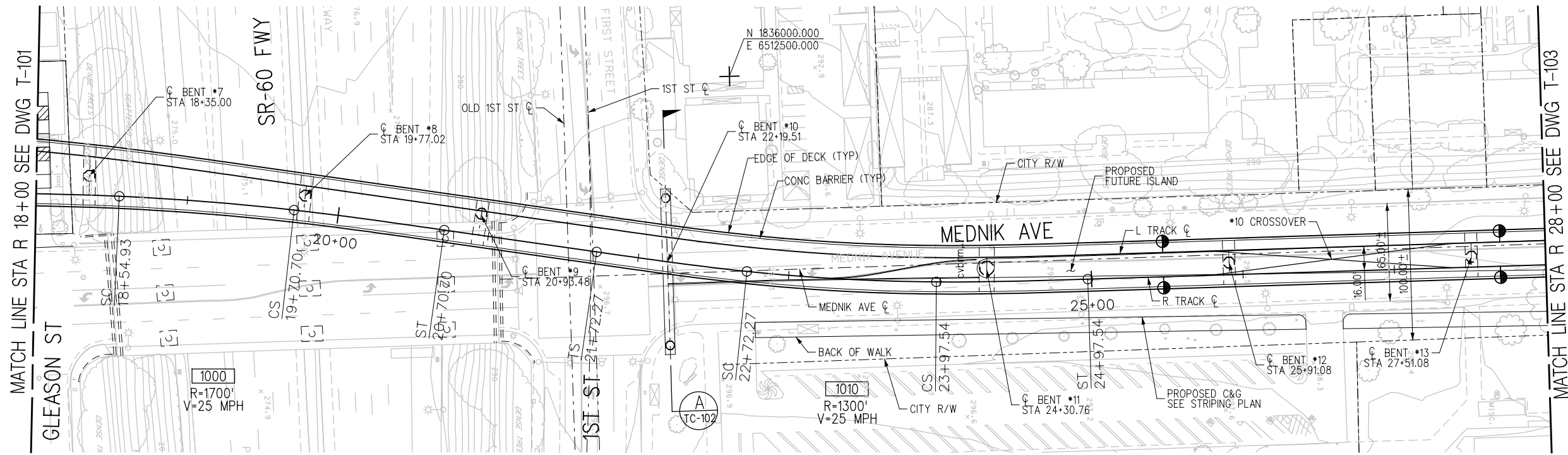
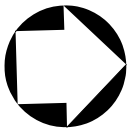
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro

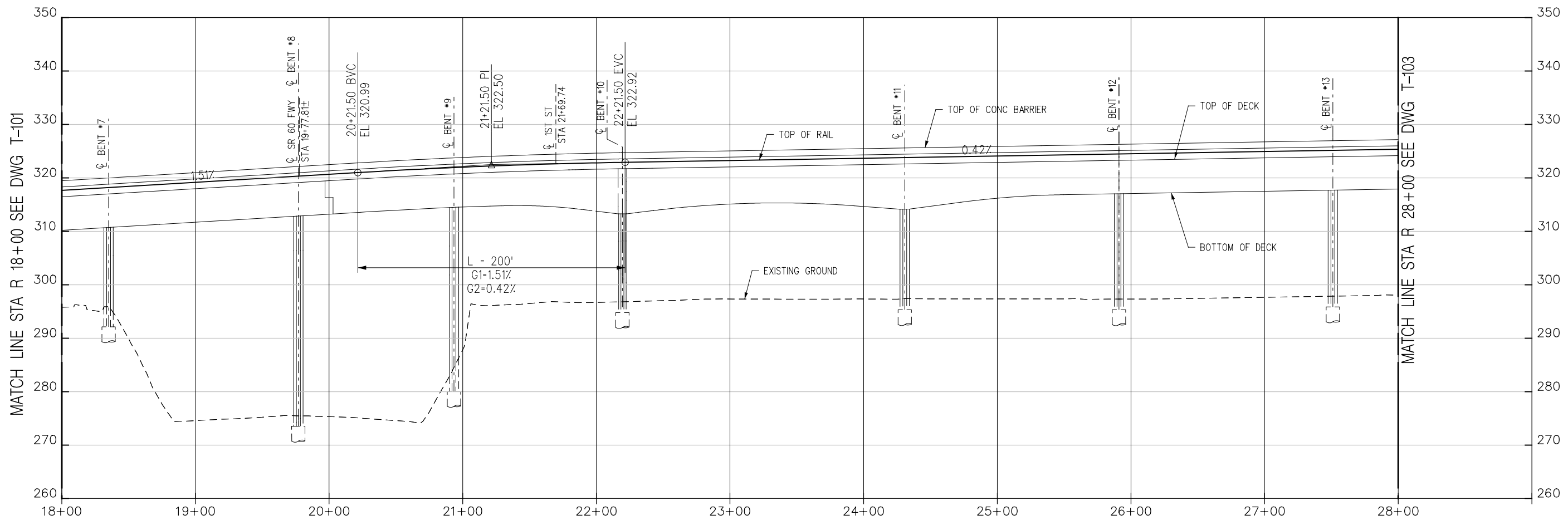
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 10+00 TO STA R 18+00

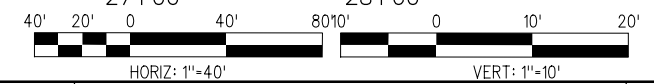
CONTRACT NO	
DRAWING NO T-101	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

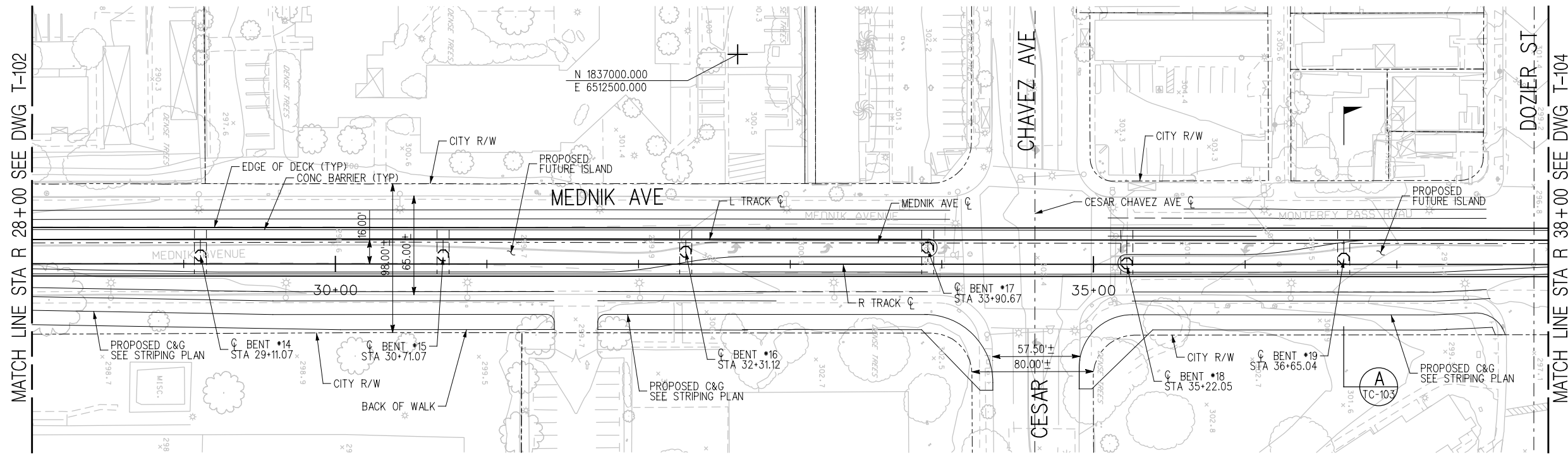
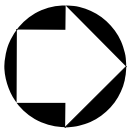
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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IN CHARGE J. AL-MASHAT
DATE 8/12/13



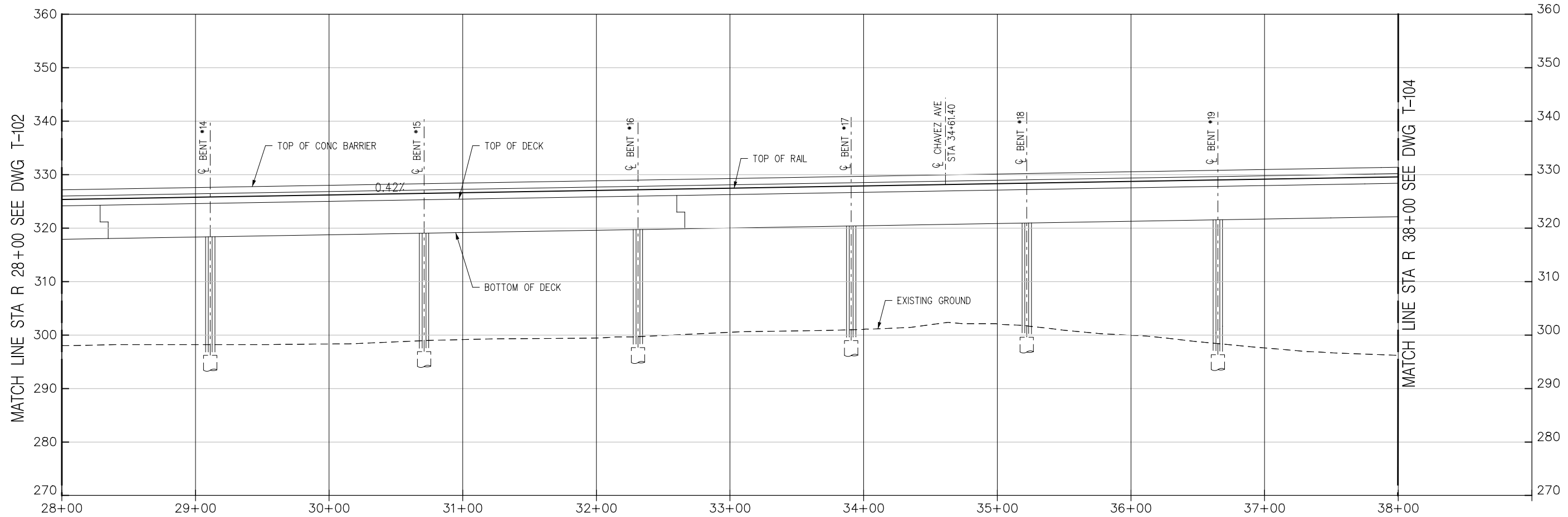
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 18+00 TO STA R 28+00

CONTRACT NO	
DRAWING NO T-102	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					METRO COMMENTS
						DESCRIPTION

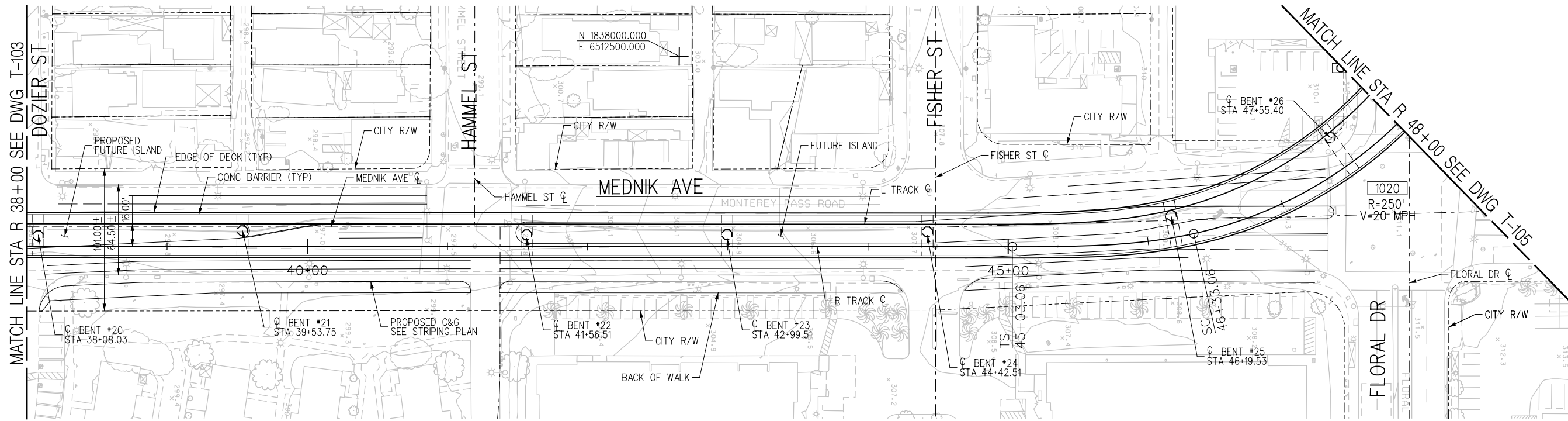
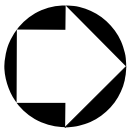
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

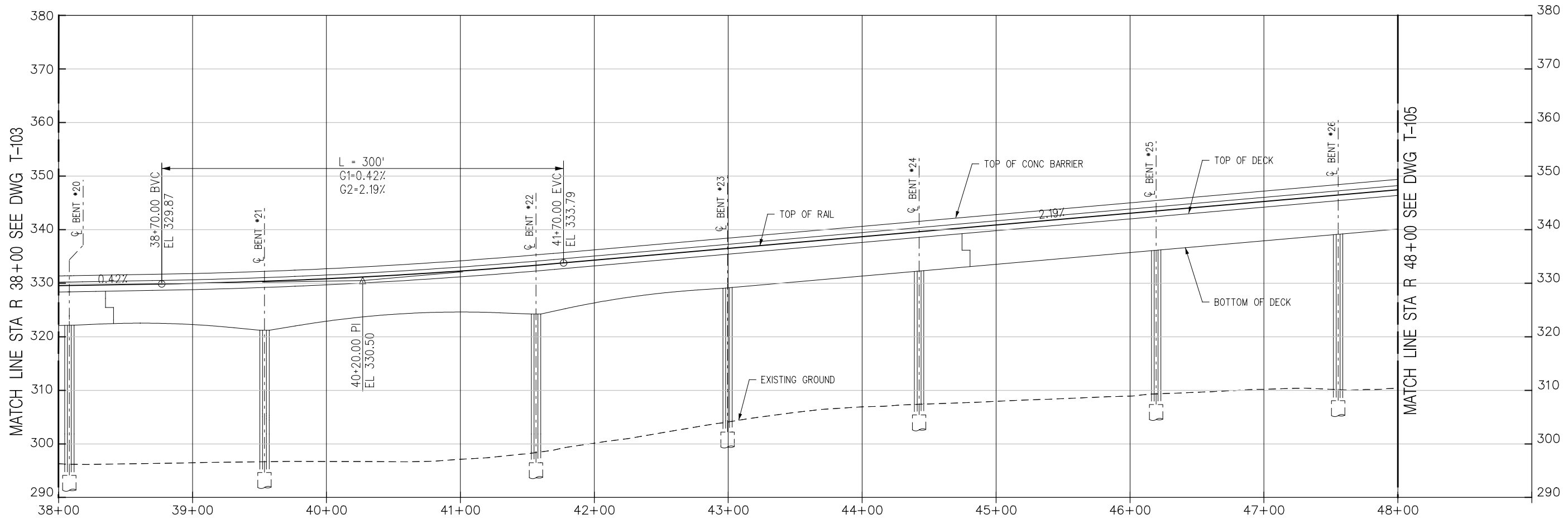
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SHEET NO	

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 28+00 TO STA R 38+00**

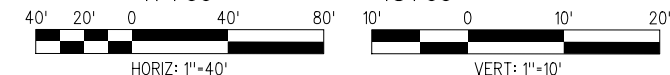
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PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

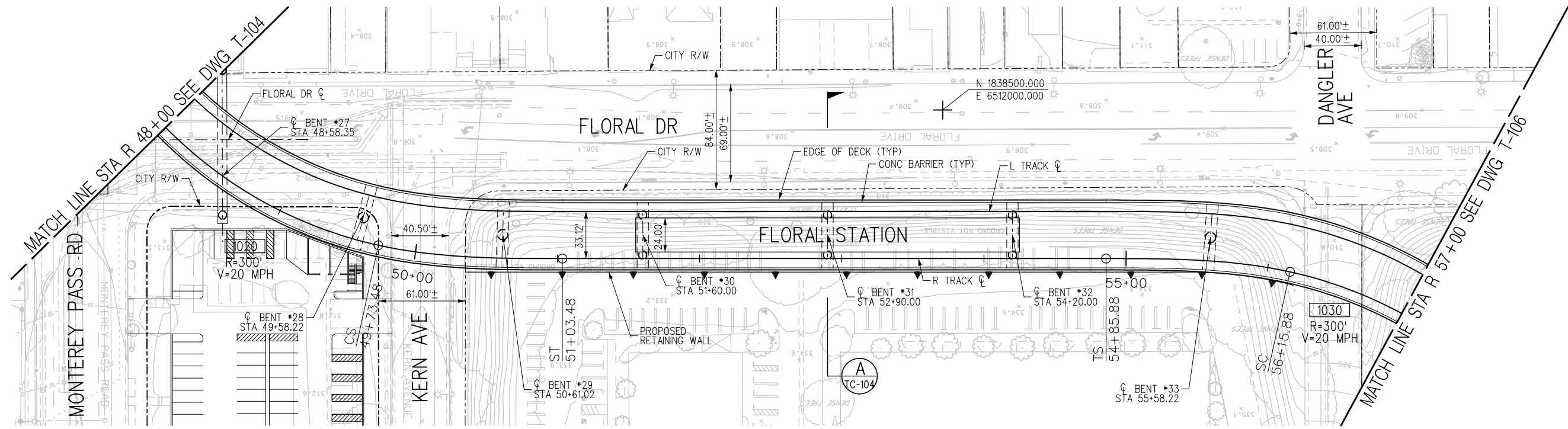
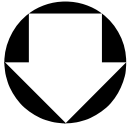
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



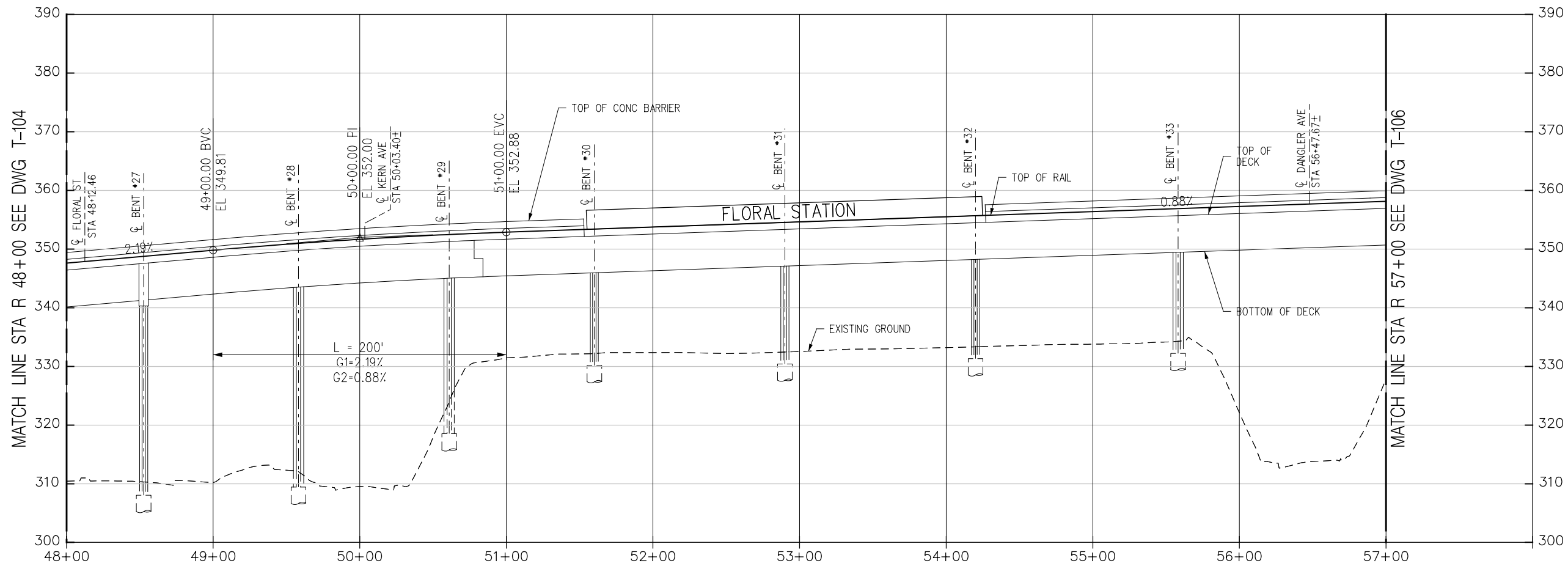
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 38+00 TO STA R 48+00

CONTRACT NO	
DRAWING NO T-104	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE

PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



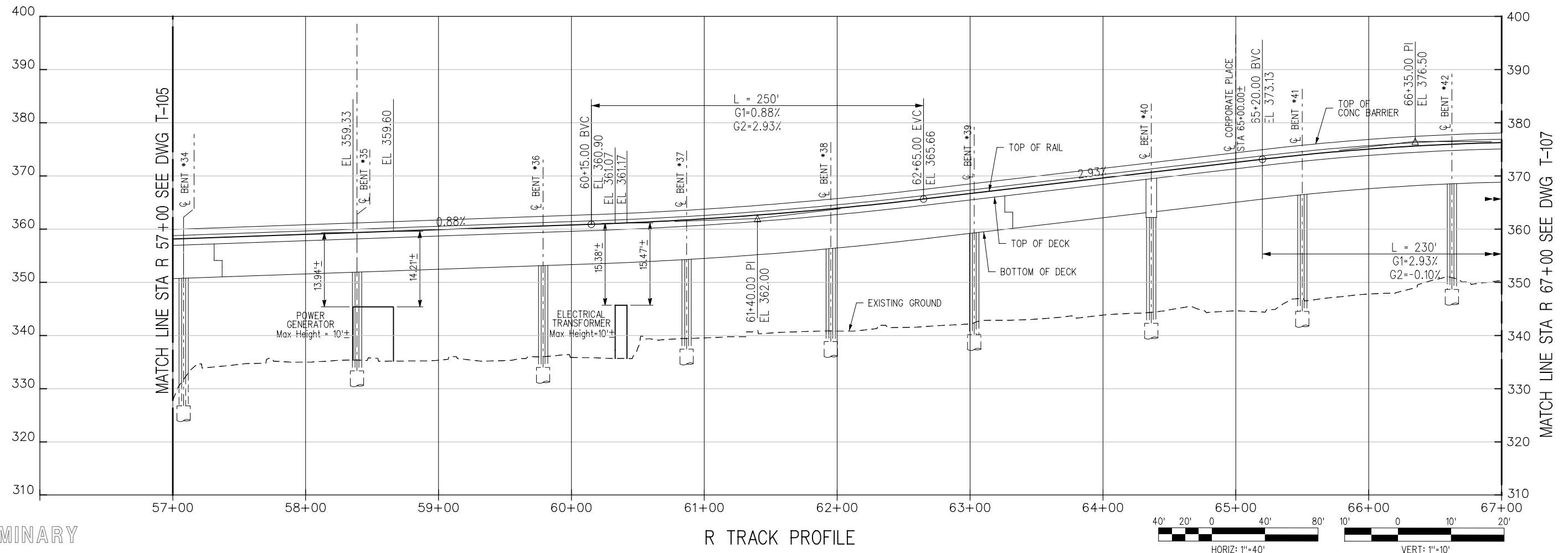
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 48+00 TO STA R 57+00

CONTRACT NO	
DRAWING NO T-105	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE

PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 57+00 TO STA R 67+00

CONTRACT NO	
DRAWING NO T-106	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

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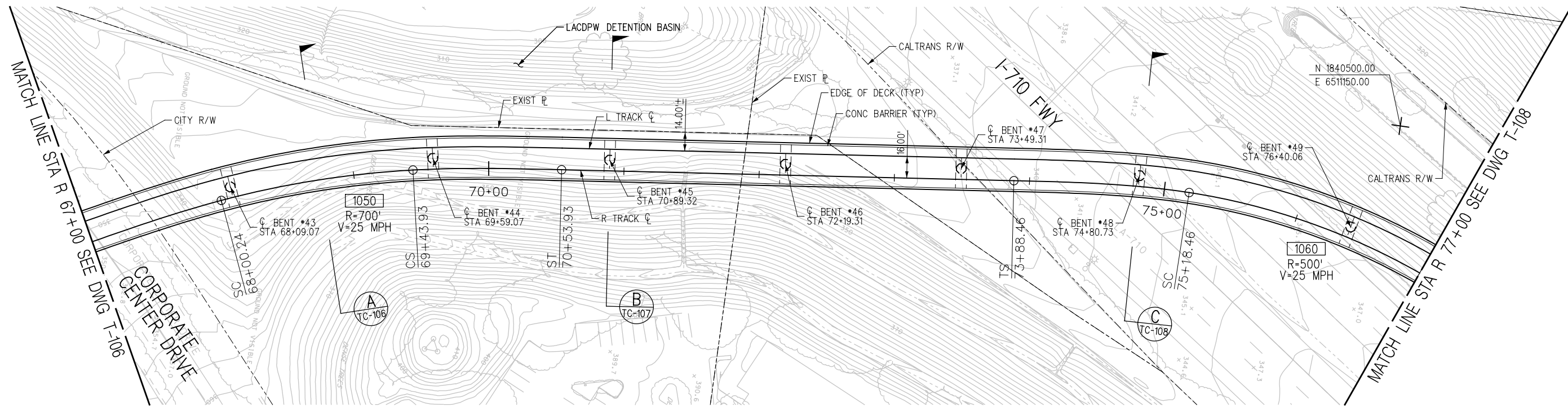
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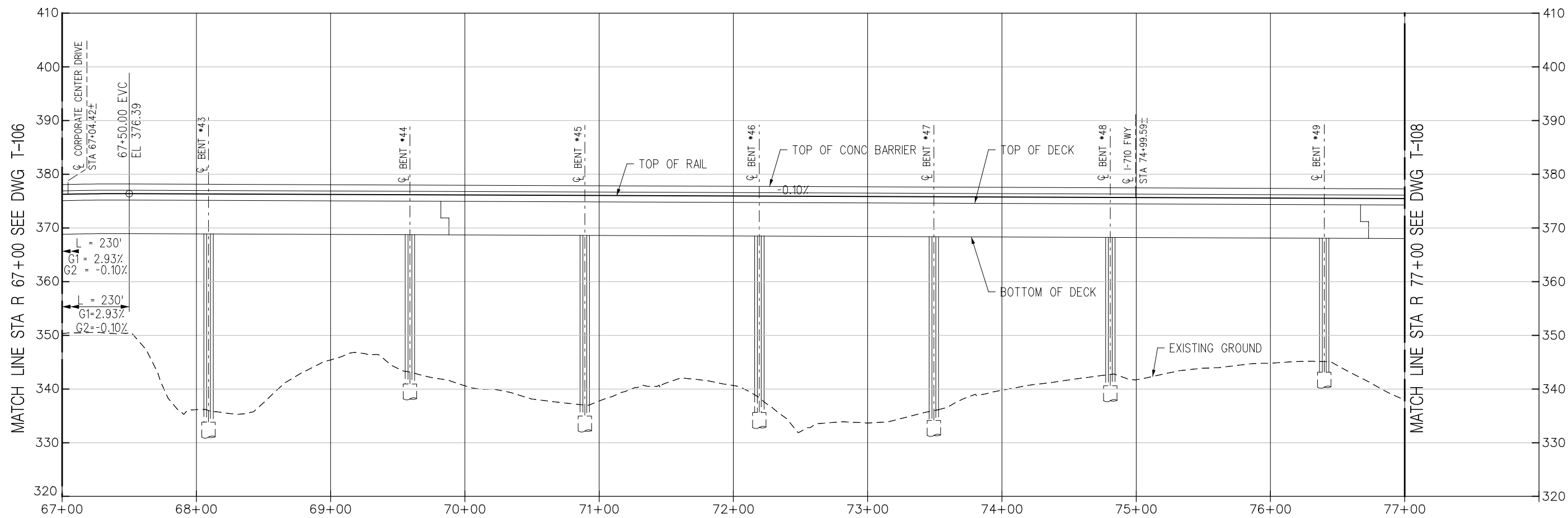
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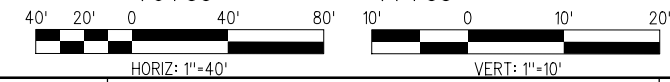
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PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

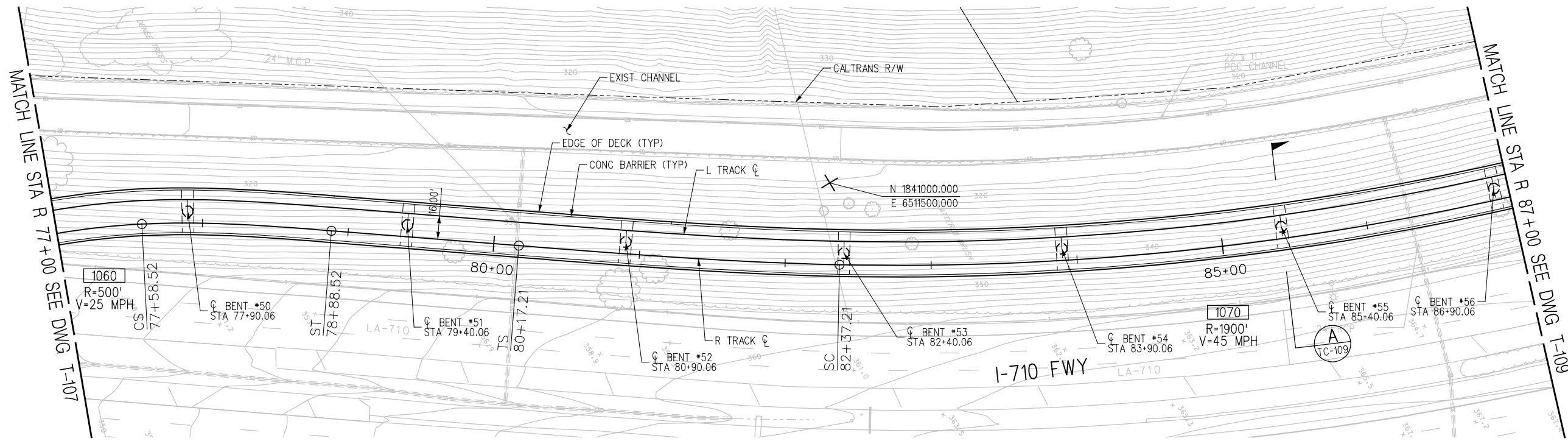
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



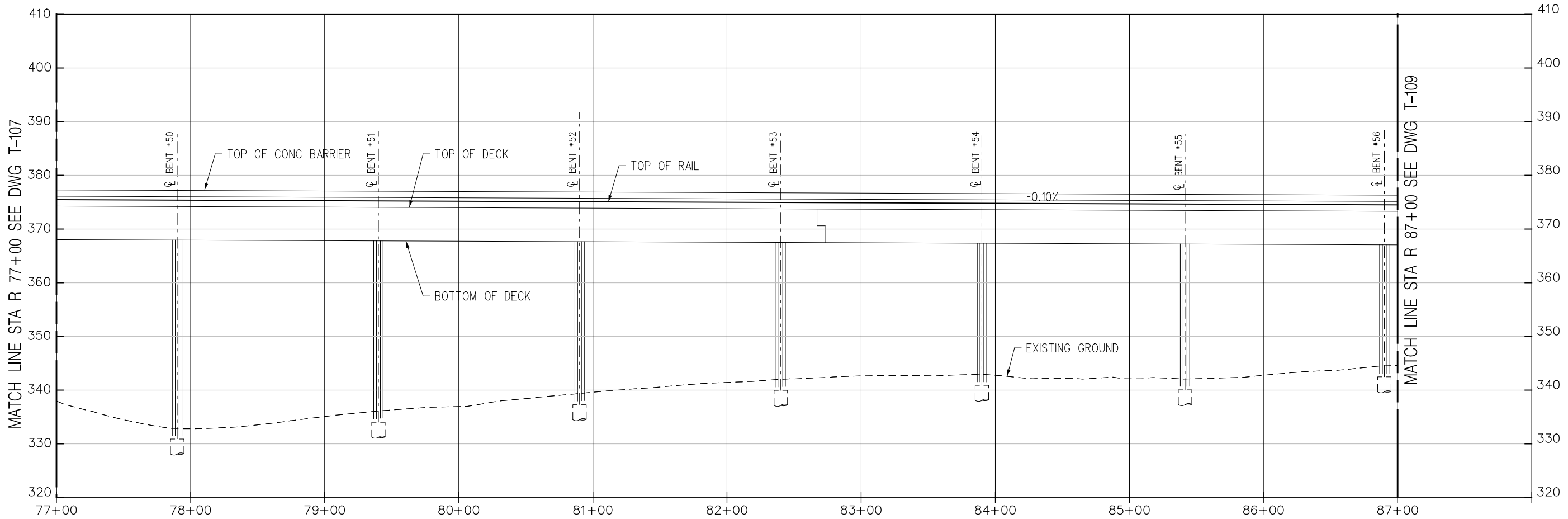
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 67+00 TO STA R 77+00

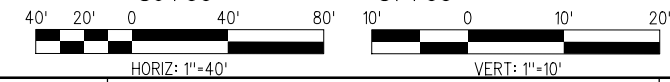
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DRAWING NO T-107	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE



PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

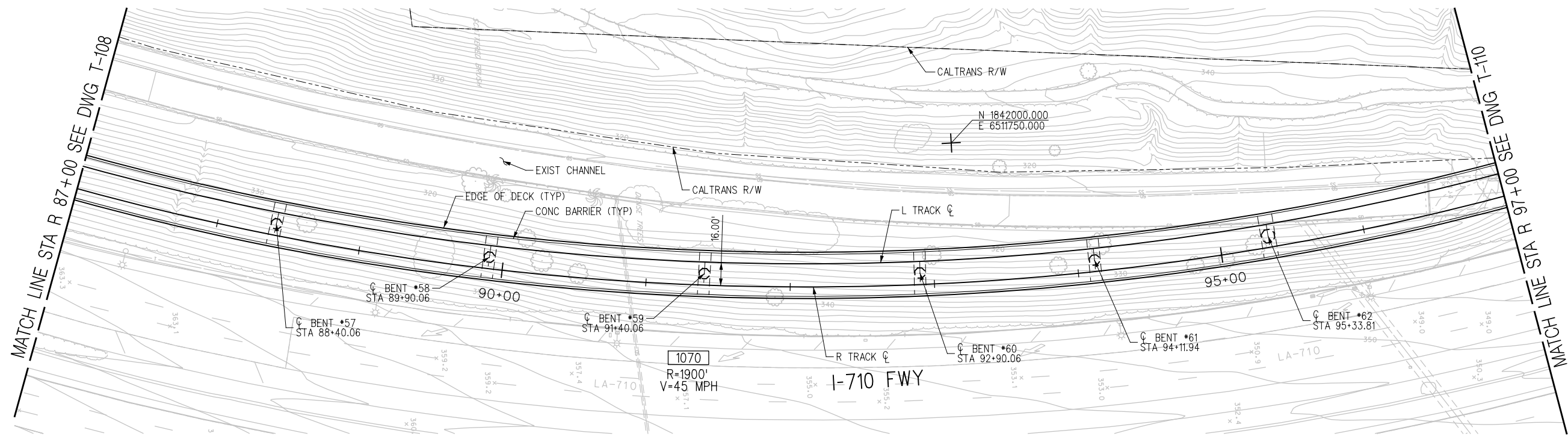
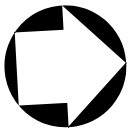
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



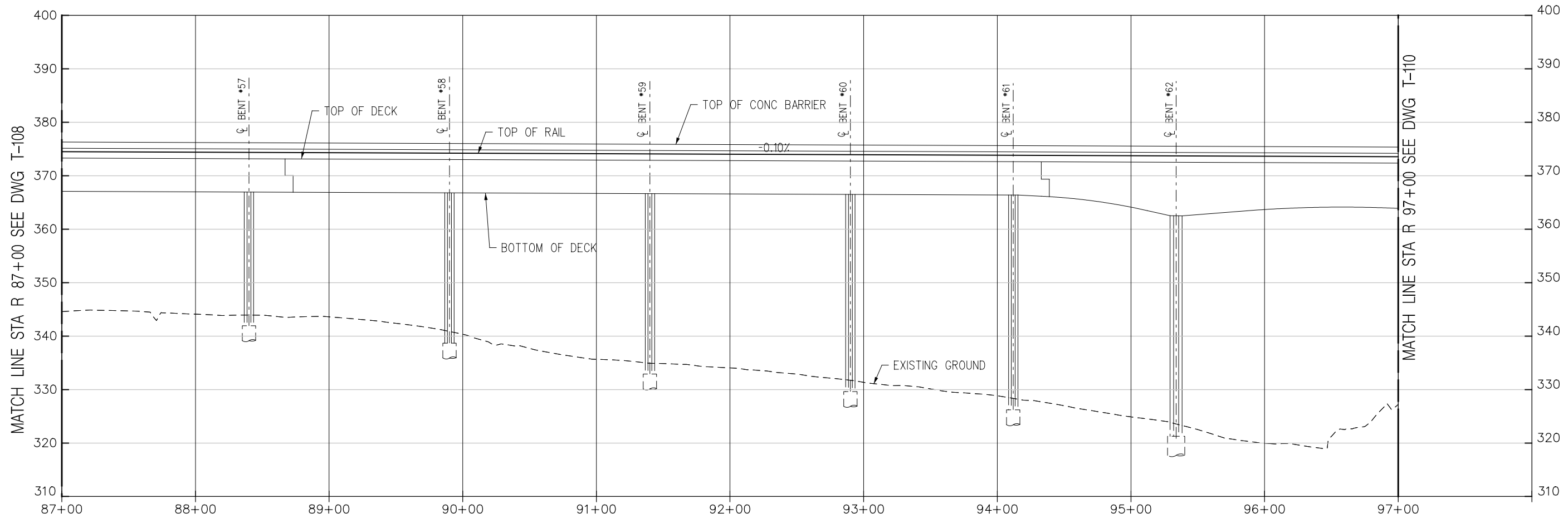
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 77+00 TO STA R 87+00

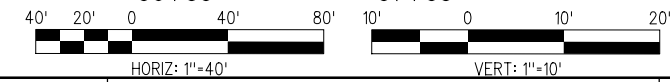
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DRAWING NO T-108	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO



PLAN



R TRACK PROFILE



PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

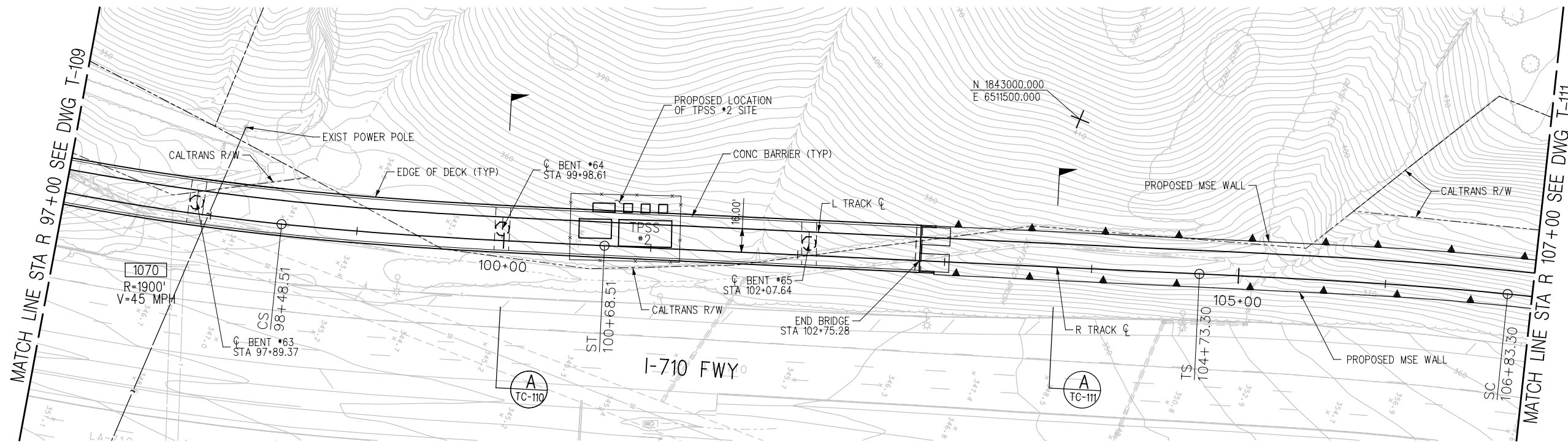
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



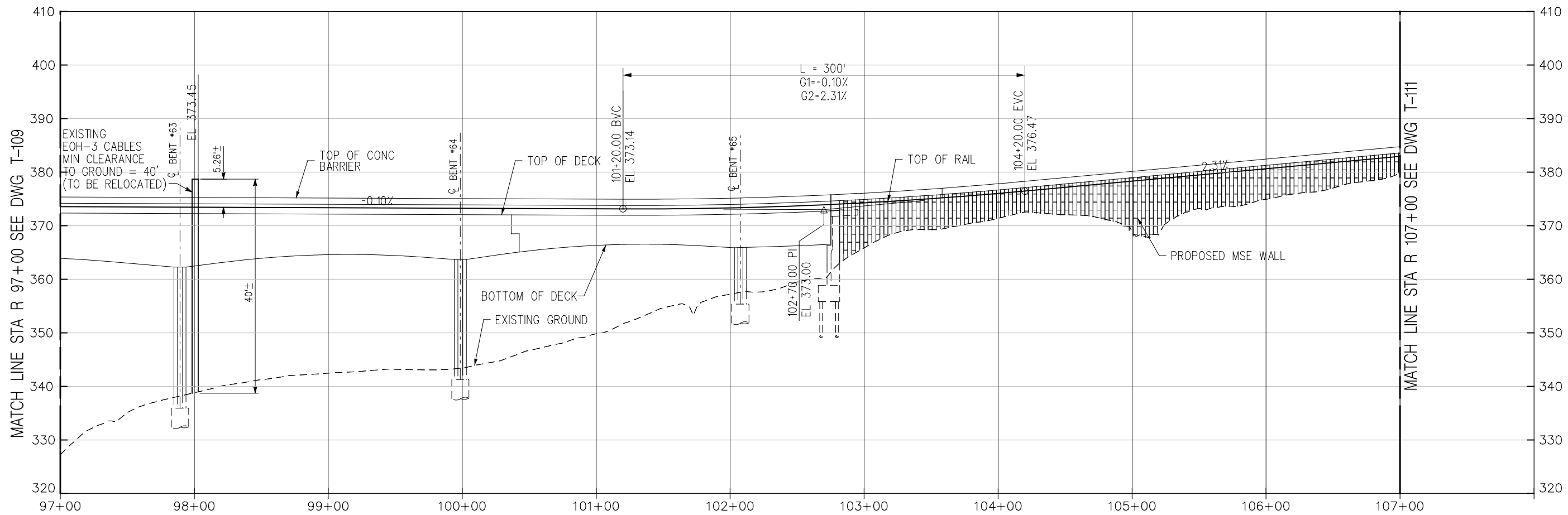
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 87+00 TO STA R 97+00

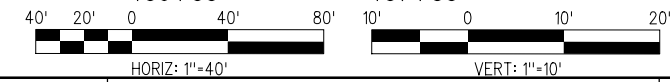
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SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE



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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

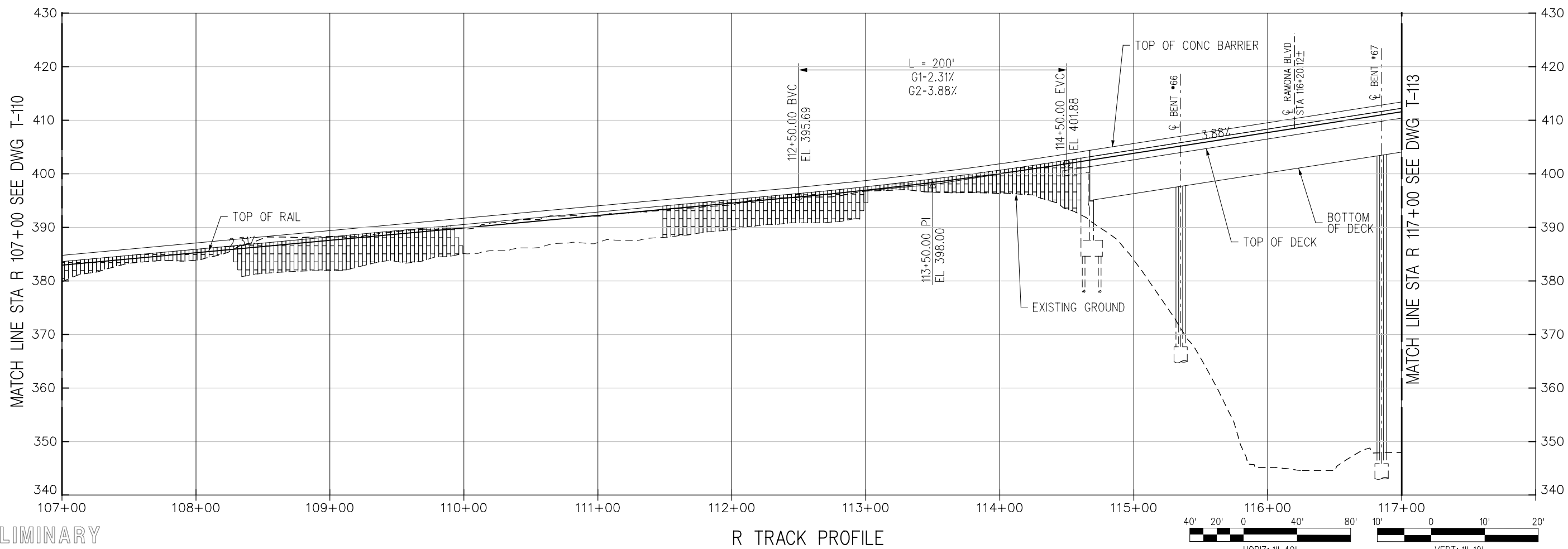
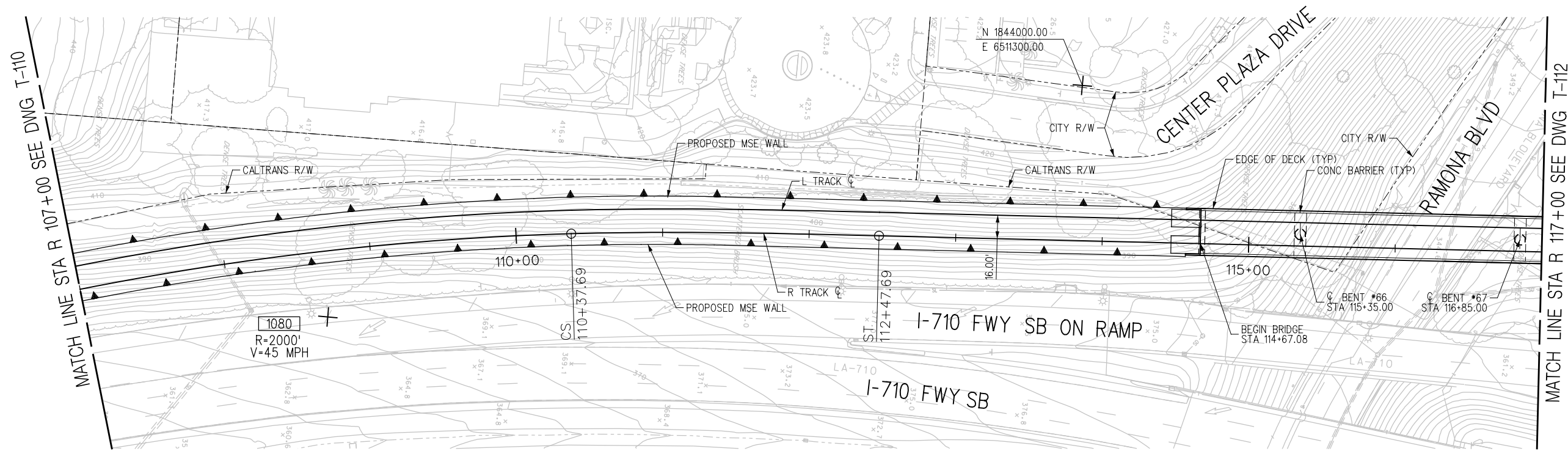
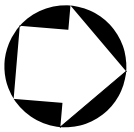
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 97+00 TO STA R 107+00

CONTRACT NO	
DRAWING NO T-110	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

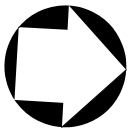
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

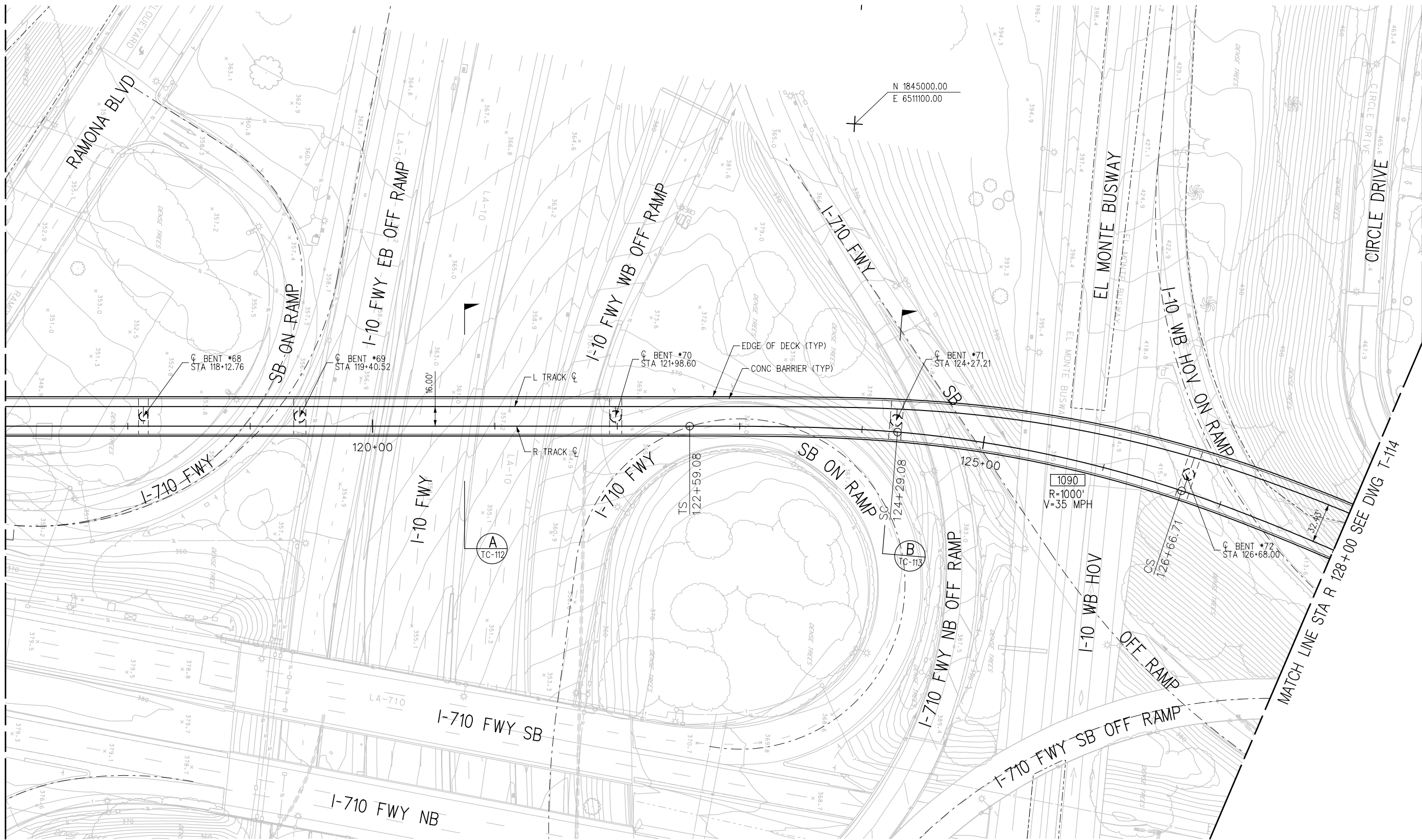
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 107+00 TO STA R 117+00

CONTRACT NO	
DRAWING NO T-111	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO



MATCH LINE STA R 117+00 SEE DWG T-111

MATCH LINE STA R 128+00 SEE DWG T-114



PLAN

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

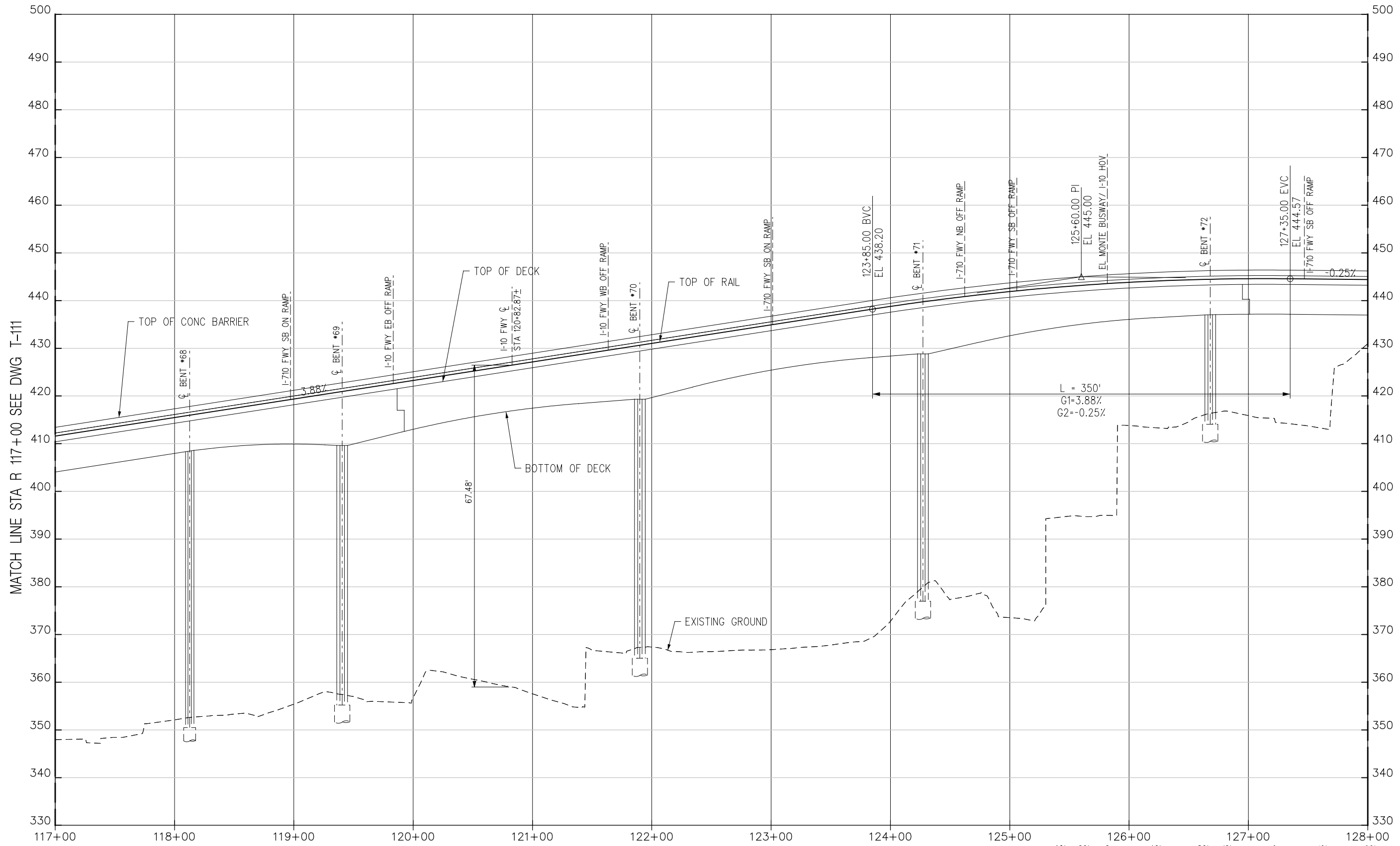


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 117+00 TO STA R 128+00

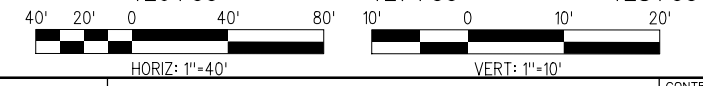
CONTRACT NO	
DRAWING NO	REV
T-112	
SCALE	
1" = 40'	
SHEET NO	

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

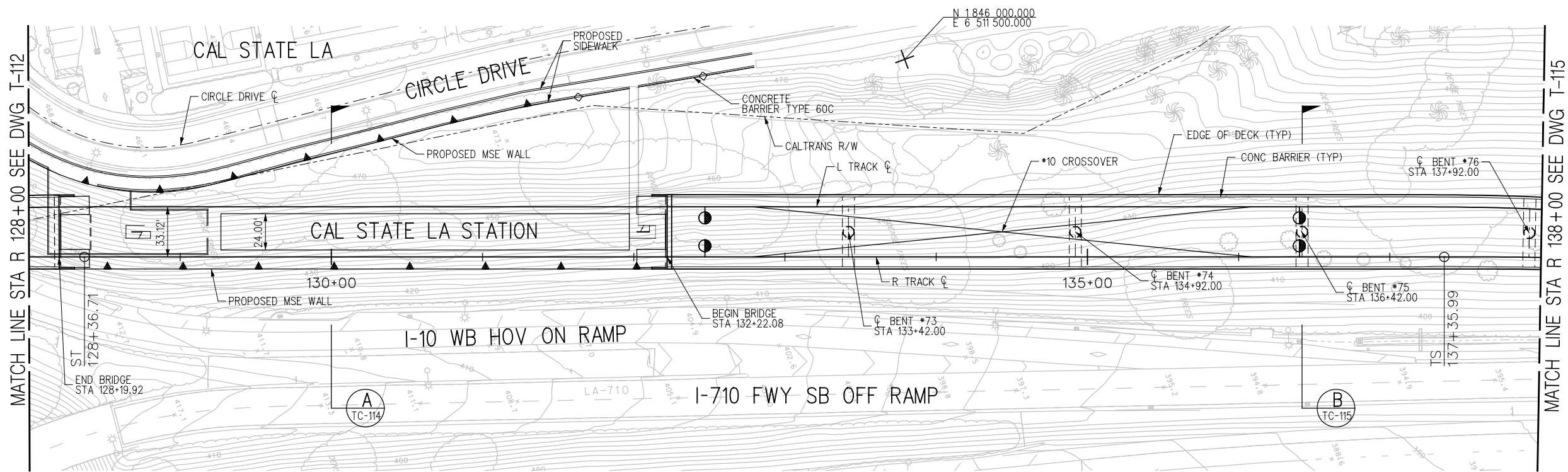
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

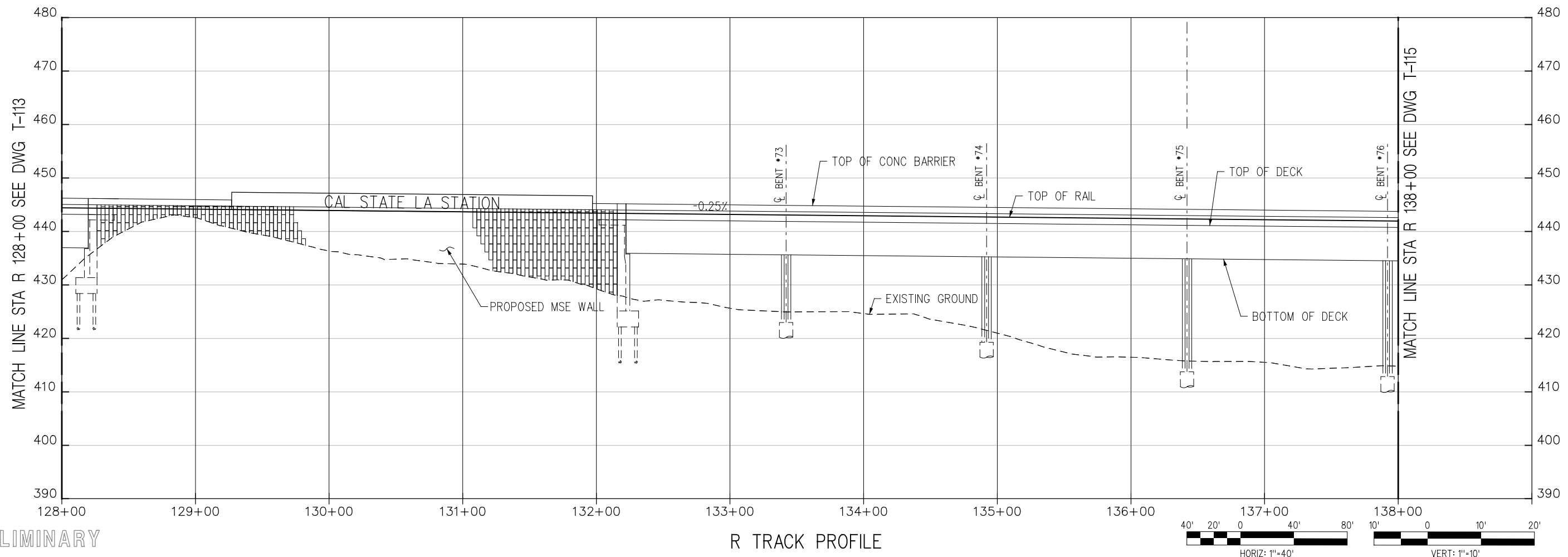
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 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 117+00 TO STA R 128+00**

CONTRACT NO	
DRAWING NO T-113	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

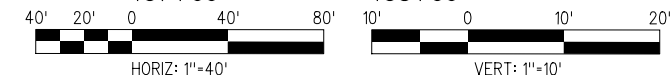
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PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY
A. GRANDOV

DRAWN BY
M. AL-MASHAT

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

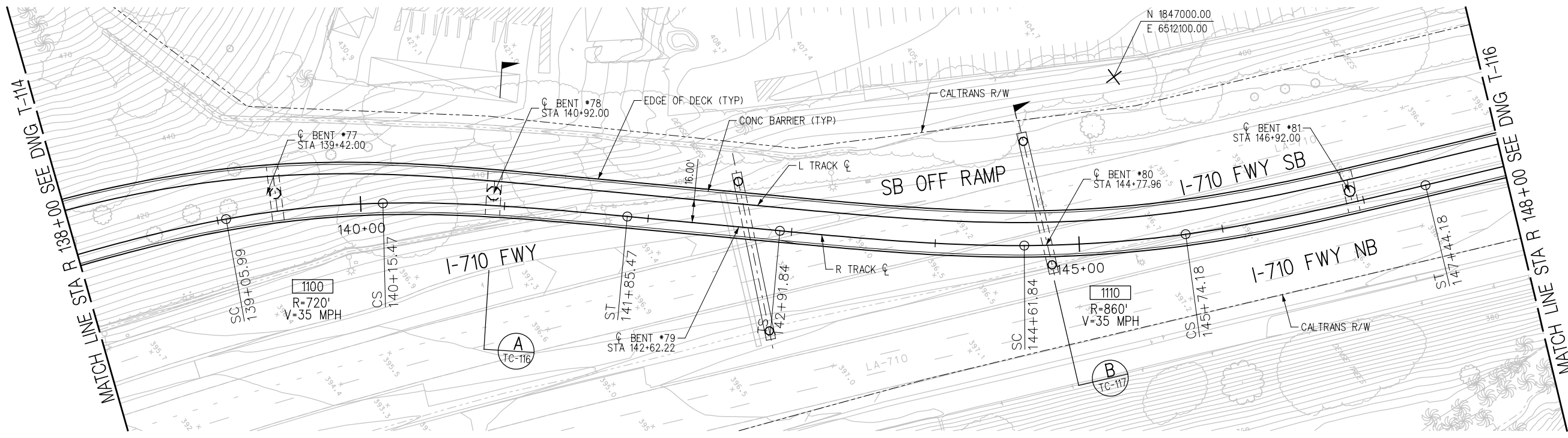
DATE
8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

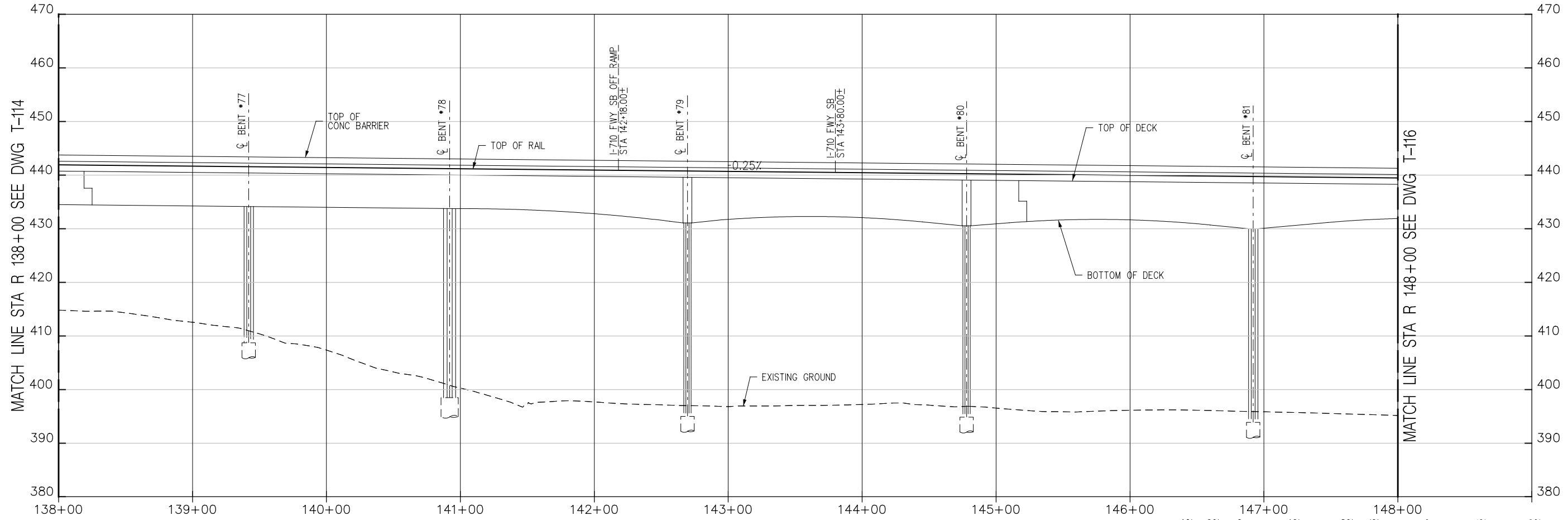
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 128+00 TO STA R 138+00

CONTRACT NO	
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SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

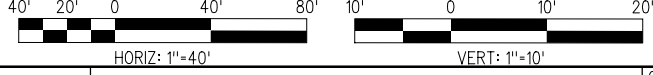
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PLAN



R TRACK PROFILE



PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

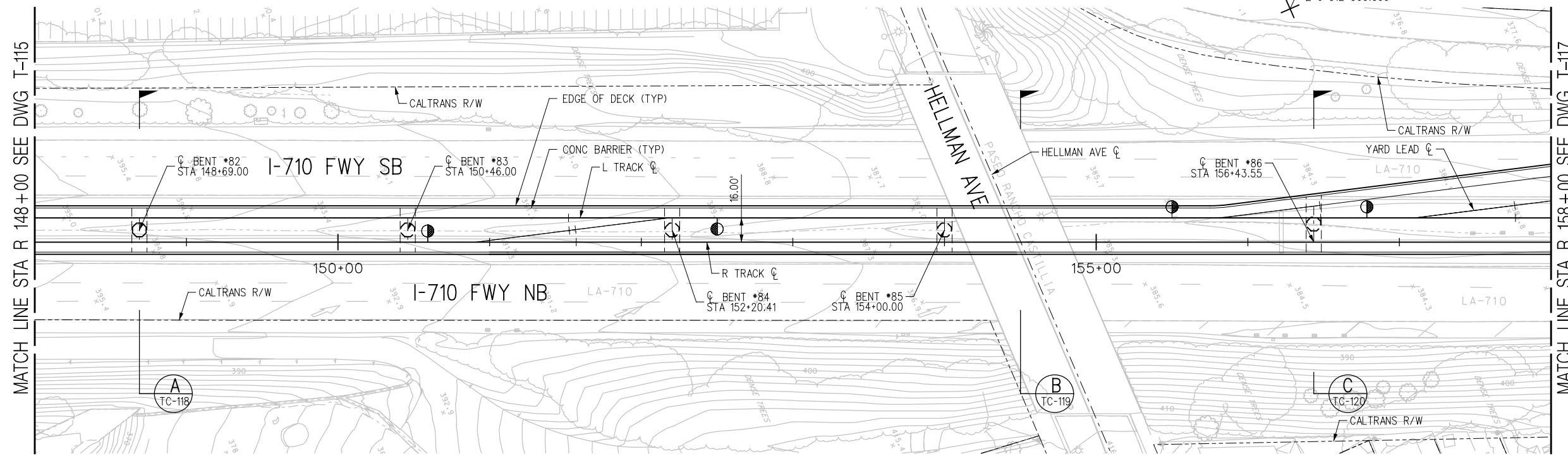
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ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 138+00 TO STA R 148+00

CONTRACT NO	
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SCALE HORIZ: 1"=40'	VERT: 1"=10'
SHEET NO	

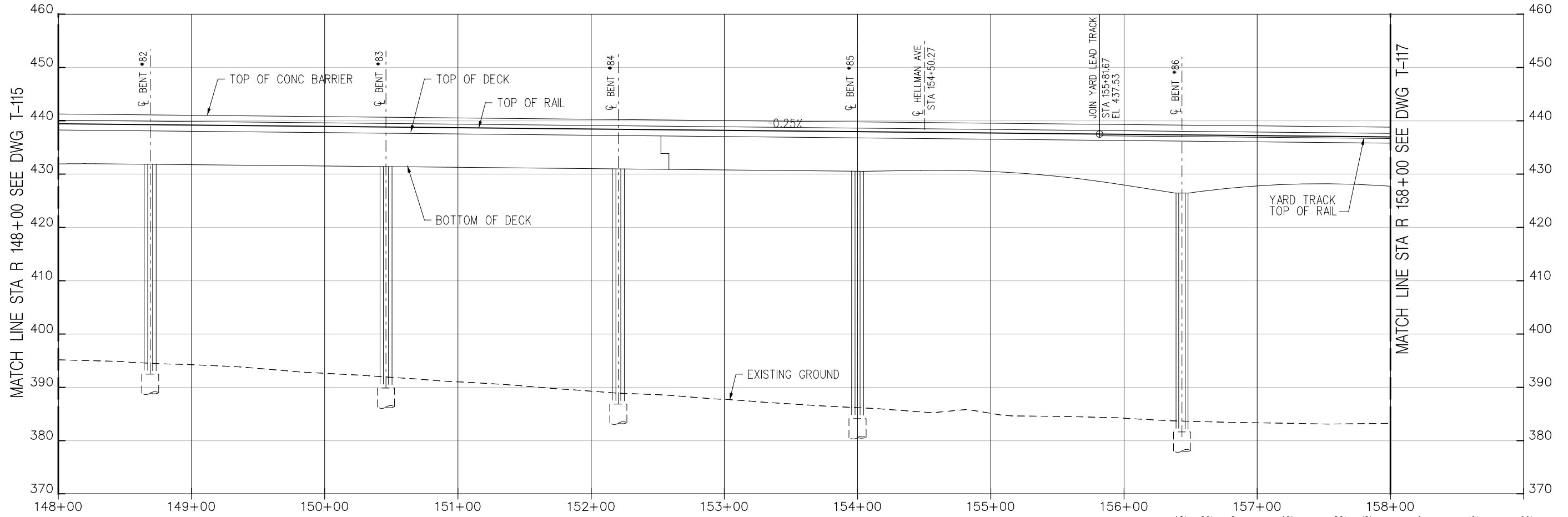
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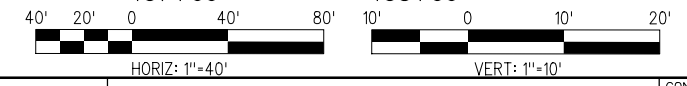
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E 6 512 500.000



PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

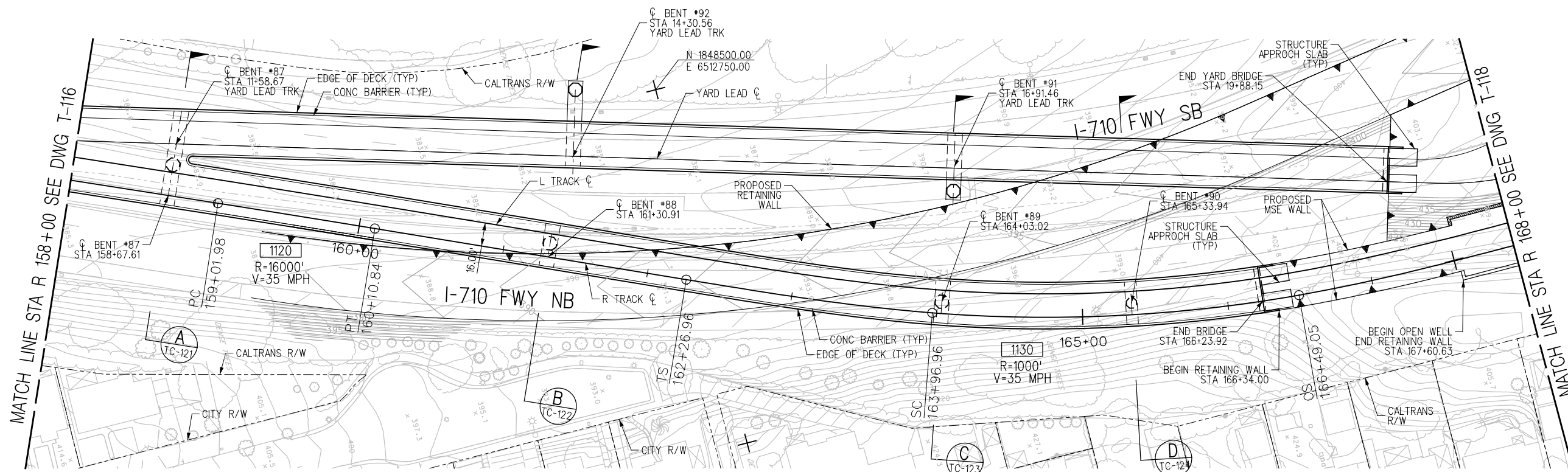


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

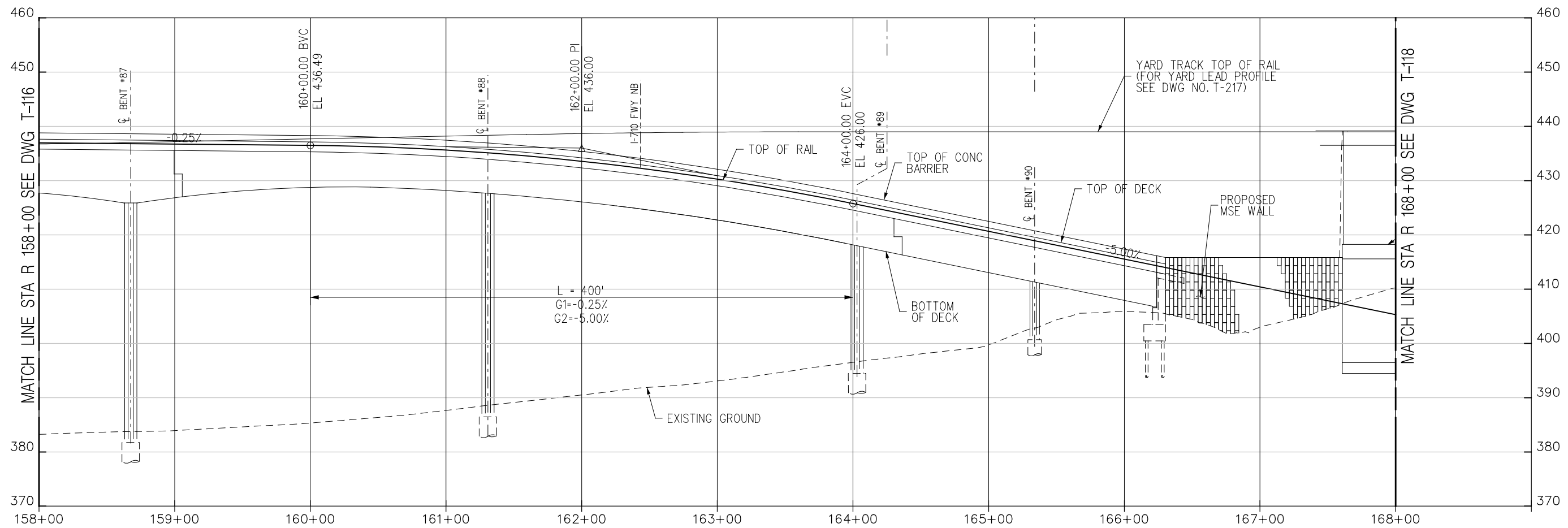
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ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 148+00 TO STA R 158+00

CONTRACT NO	
DRAWING NO T-116	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

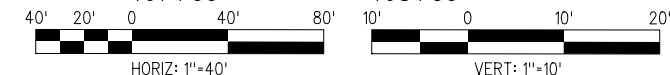
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PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

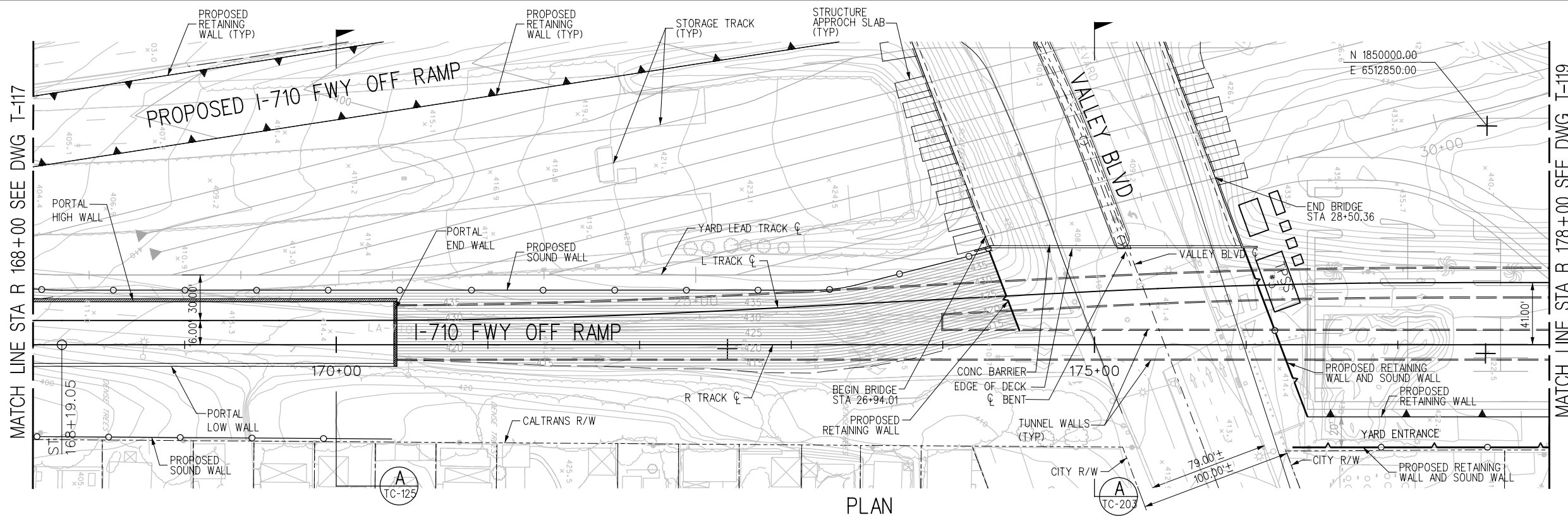
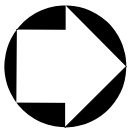
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



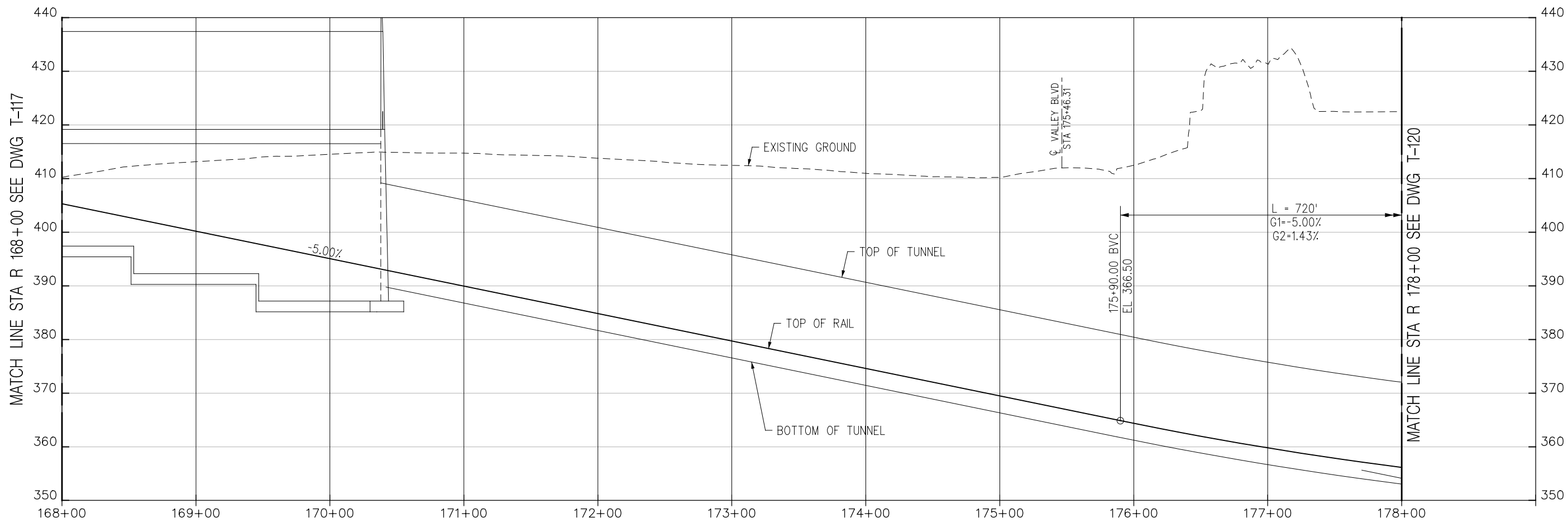
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 158+00 TO STA R 168+00

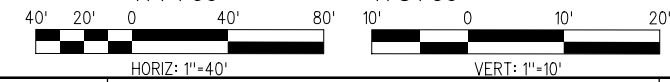
CONTRACT NO	
DRAWING NO T-117	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



PLAN



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

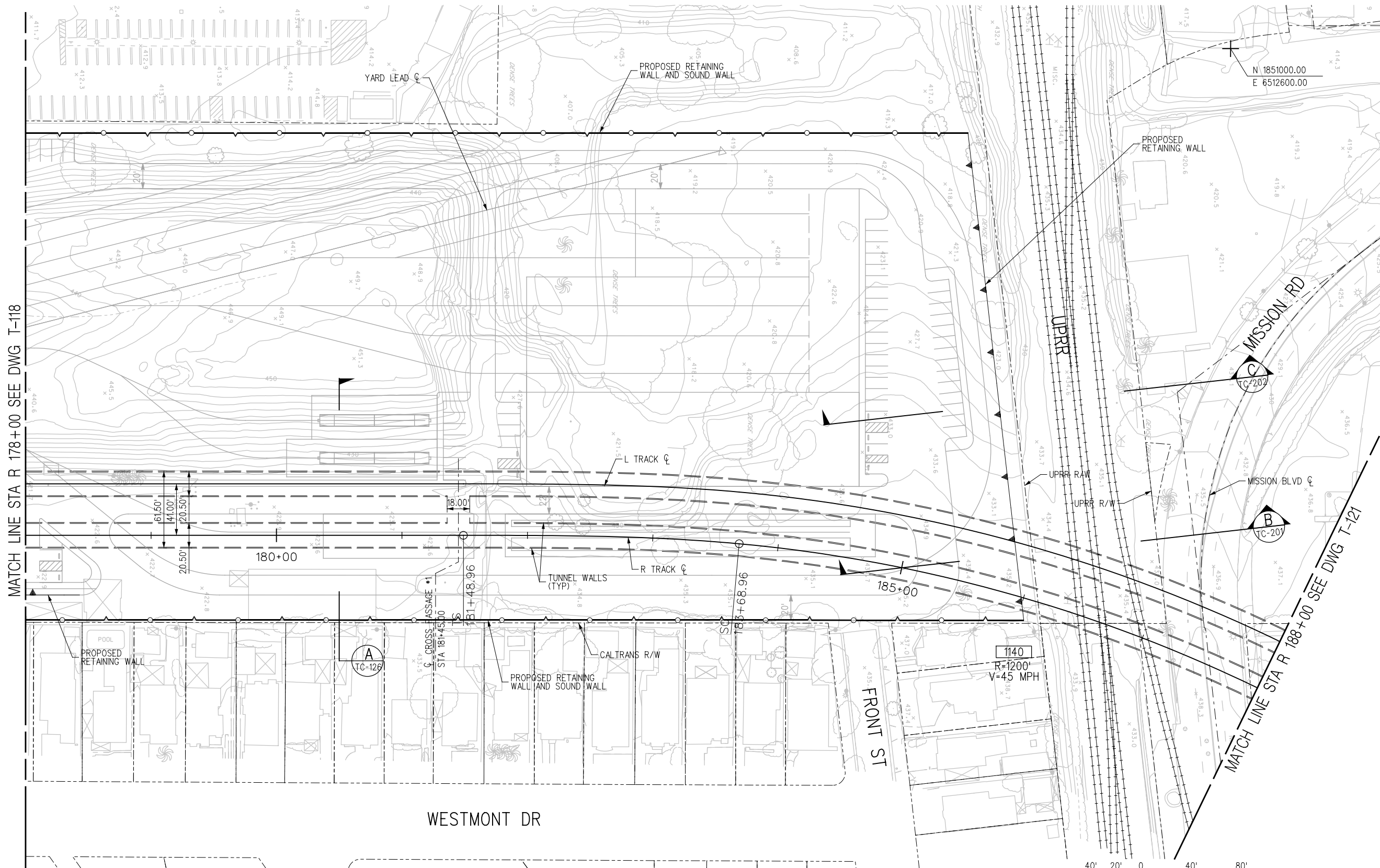
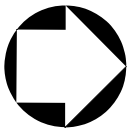
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN AND PROFILE
STA R 168+00 TO STA R 178+00

CONTRACT NO	
DRAWING NO T-118	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

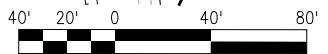


MATCH LINE STA R 178+00 SEE DWG T-118

MATCH LINE STA R 188+00 SEE DWG T-121

PRELIMINARY

PLAN



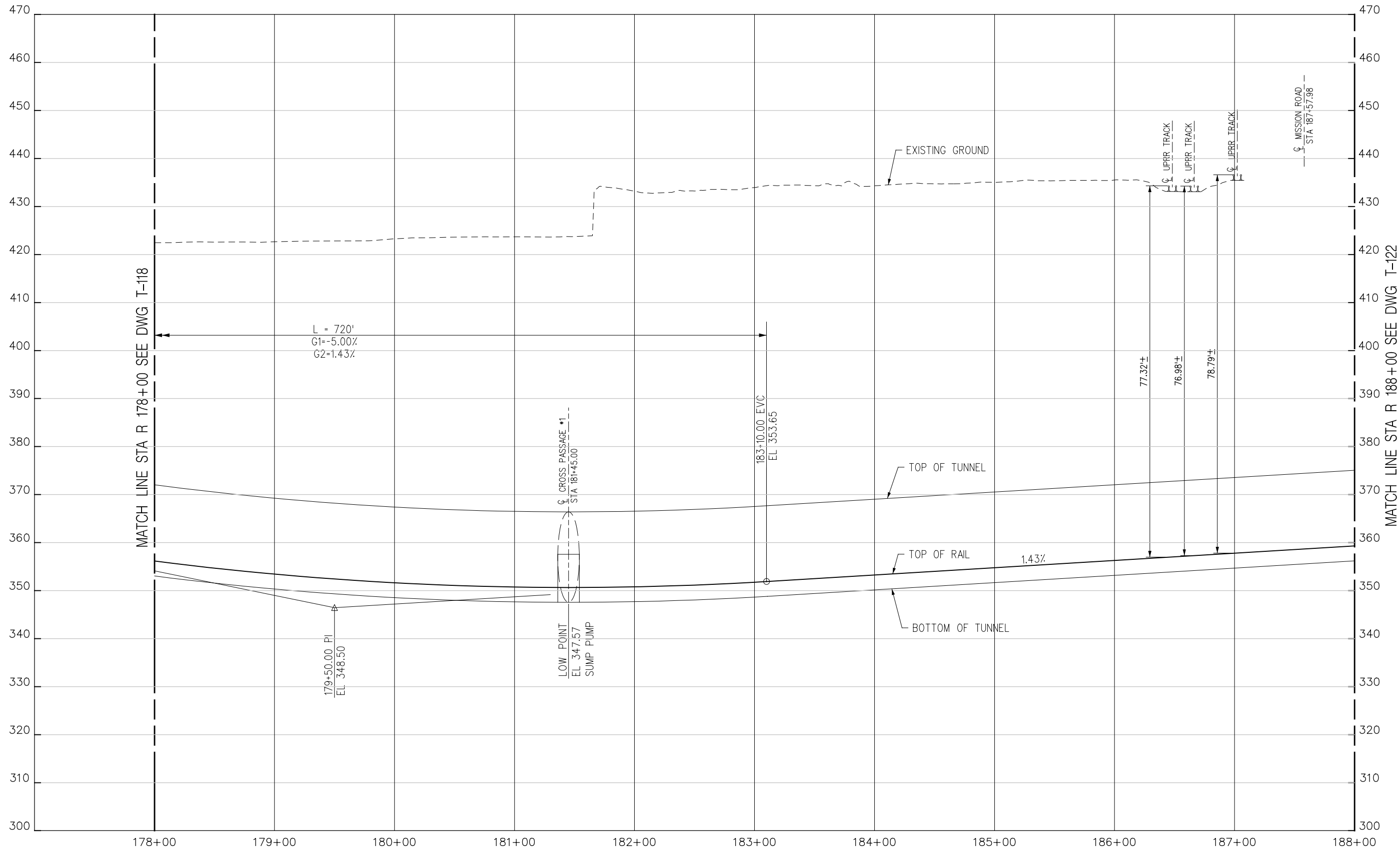
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

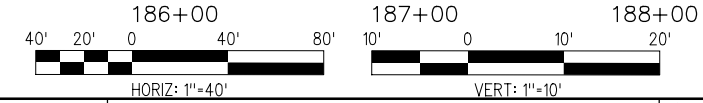
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ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 178+00 TO STA R 188+00

CONTRACT NO	
DRAWING NO T-119	REV
SCALE 1" = 40'	SHEET NO




PRELIMINARY

R TRACK PROFILE



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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					
						METRO COMMENTS
						DESCRIPTION

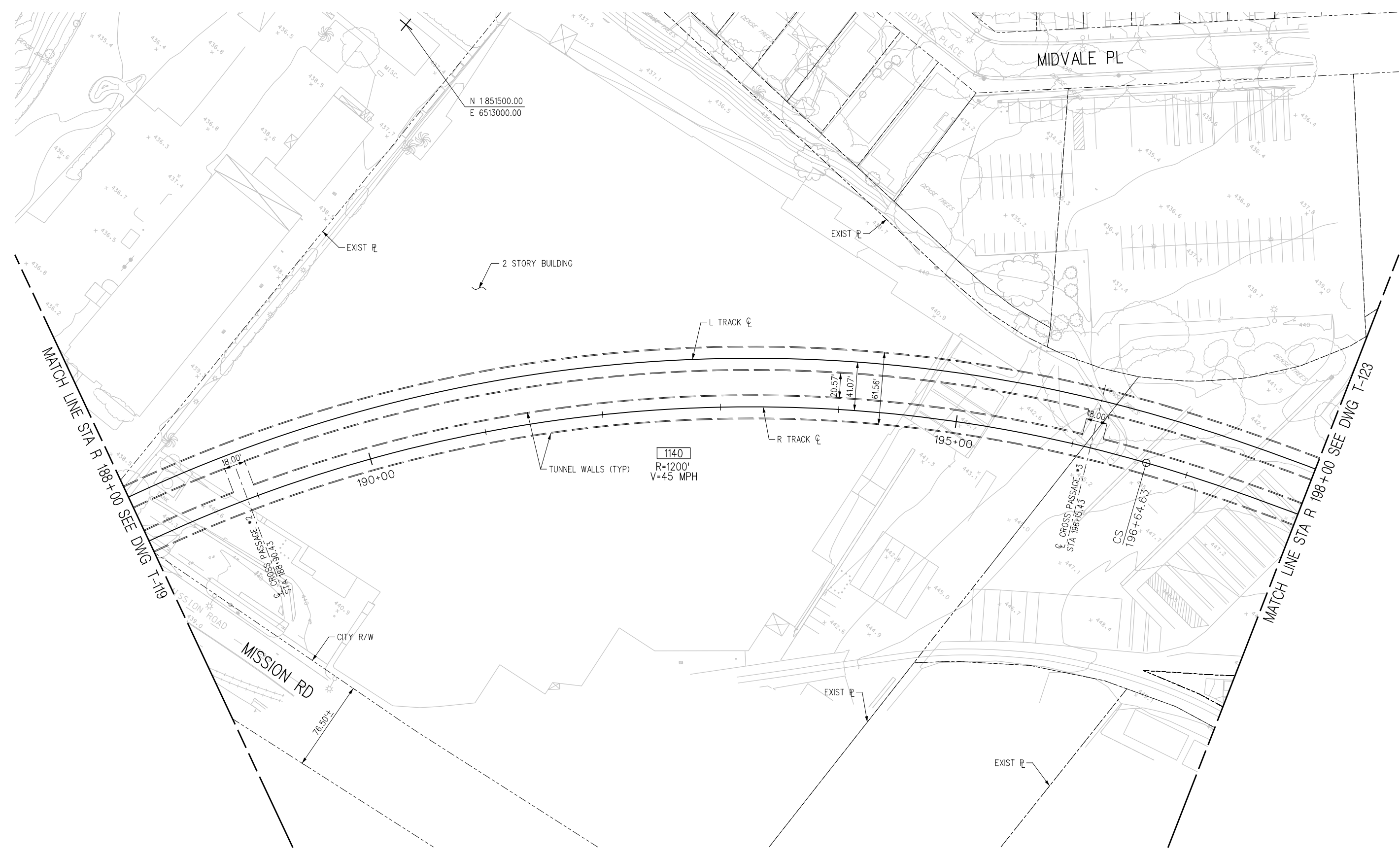
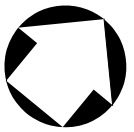
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 178+00 TO STA R 188+00**

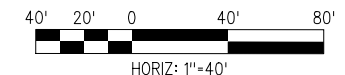
CONTRACT NO	
DRAWING NO T-120	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

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PRELIMINARY

PLAN



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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

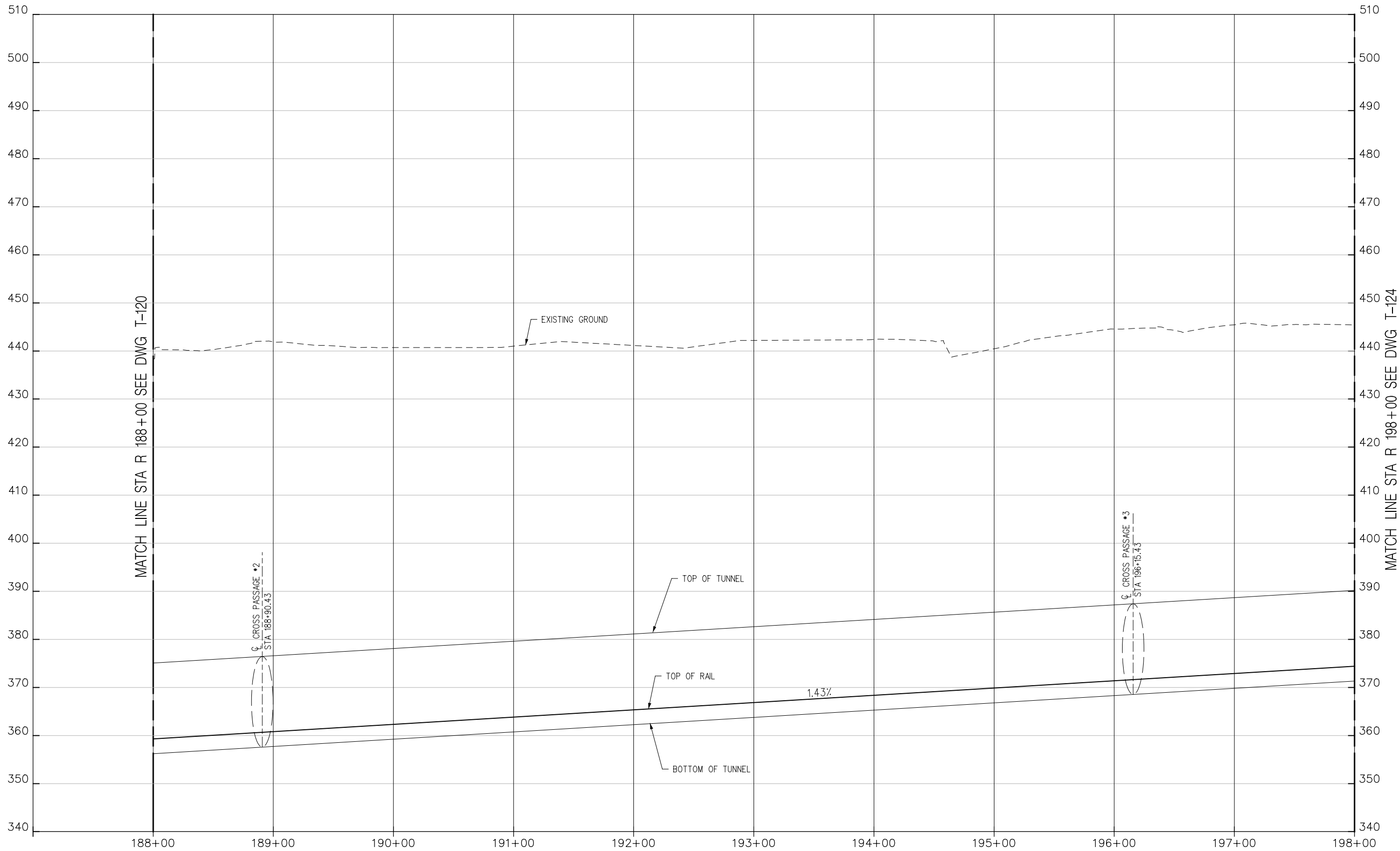
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 188+00 TO STA R 198+00**

CONTRACT NO	
DRAWING NO T-121	REV
SCALE 1"=40'	SHEET NO

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PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					
						METRO COMMENTS
						DESCRIPTION

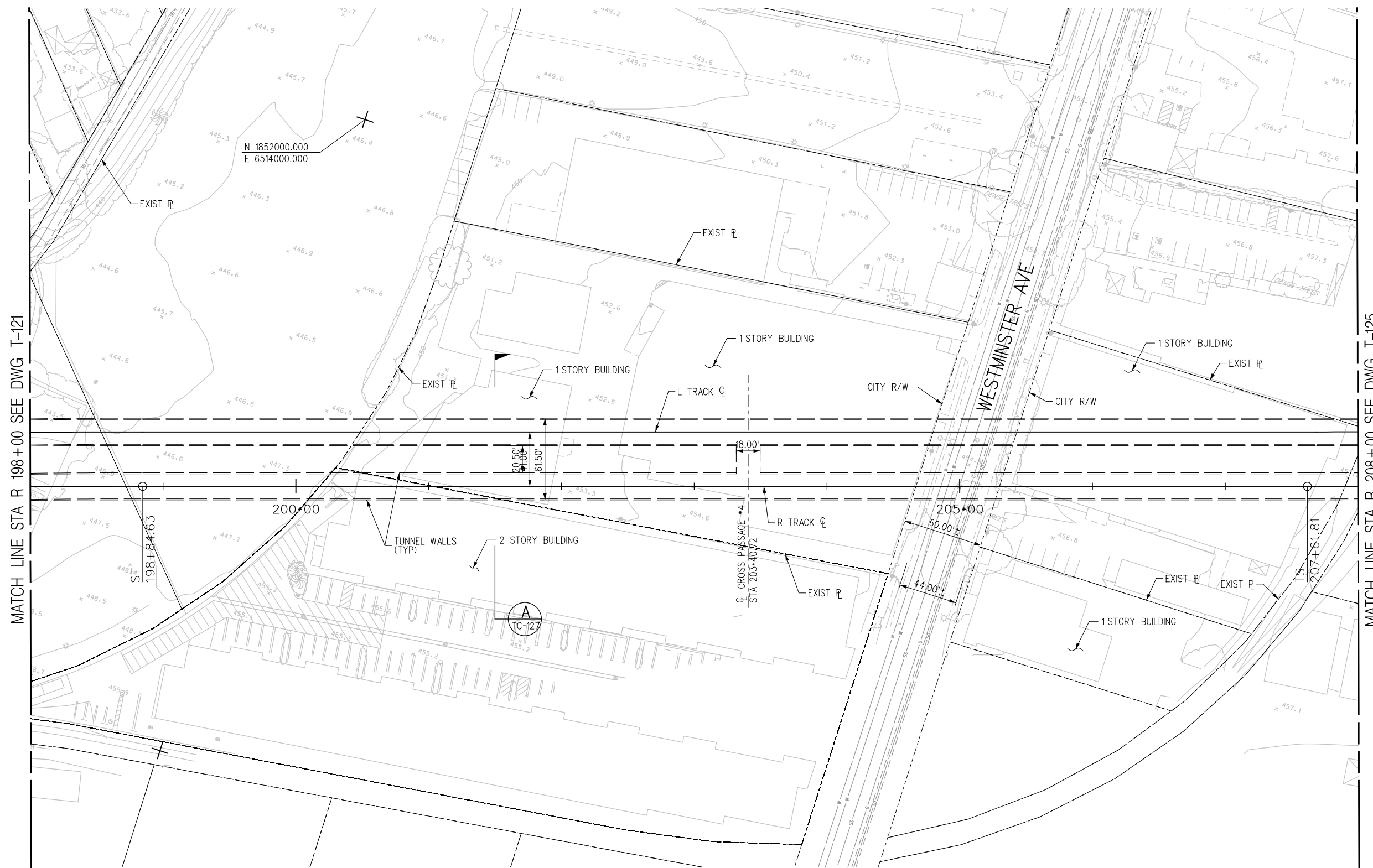
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 188+00 TO STA R 198+00

CONTRACT NO	
DRAWING NO T-122	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

USER: d\aradot 2/7/2014 12:25:57 PM ... \d017434\706-AC-T-122.plg Plot Driver= M:\HALF-BW-PDF.plt;g Pentable= M:\HALF-BW.plt



MATCH LINE STA R 198+00 SEE DWG T-121

MATCH LINE STA R 208+00 SEE DWG T-125

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

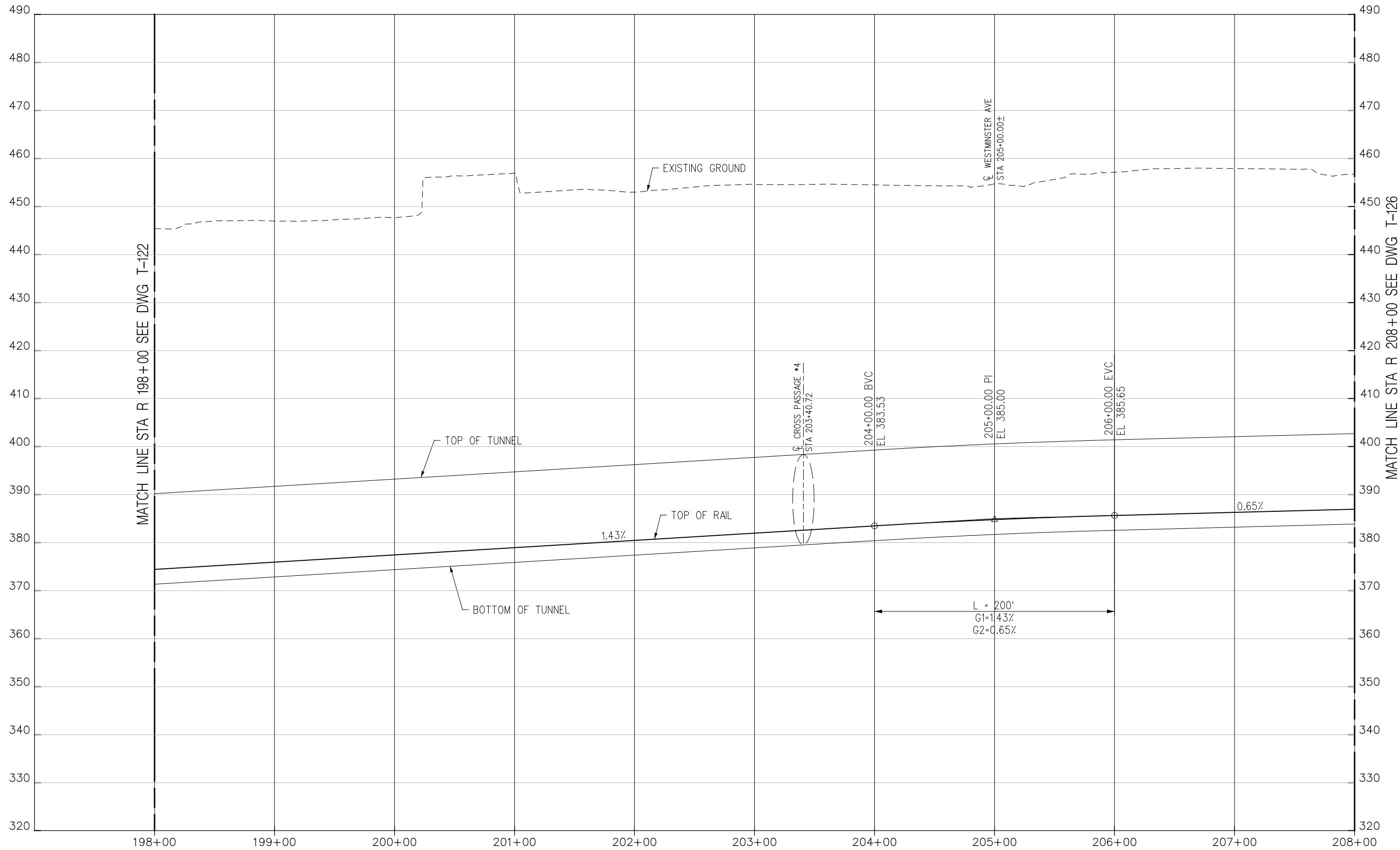


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 198+00 TO STA R 208+00

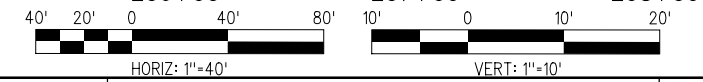
CONTRACT NO	
DRAWING NO T-123	REV
SCALE 1" = 40'	SHEET NO

Model Name = Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					
						METRO COMMENTS
						DESCRIPTION

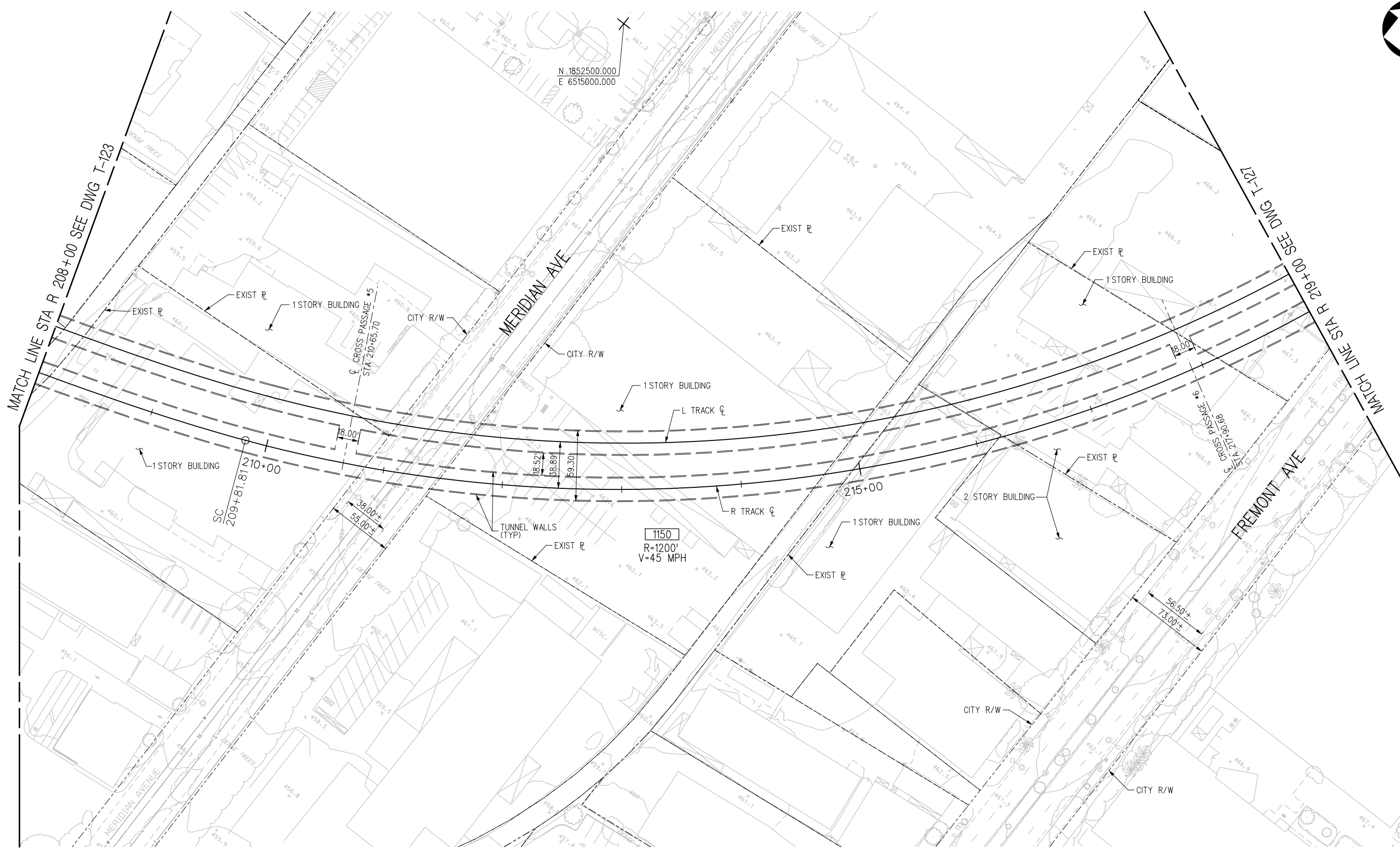
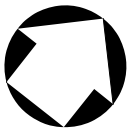
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 198+00 TO STA R 208+00

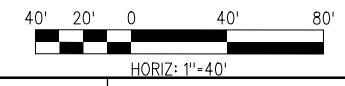
CONTRACT NO	
DRAWING NO T-124	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

Plot Driver= M:\HALF-BW-PDF.plt;g
 2/7/2014 12:25:59 PM
 Model Name= Default



PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

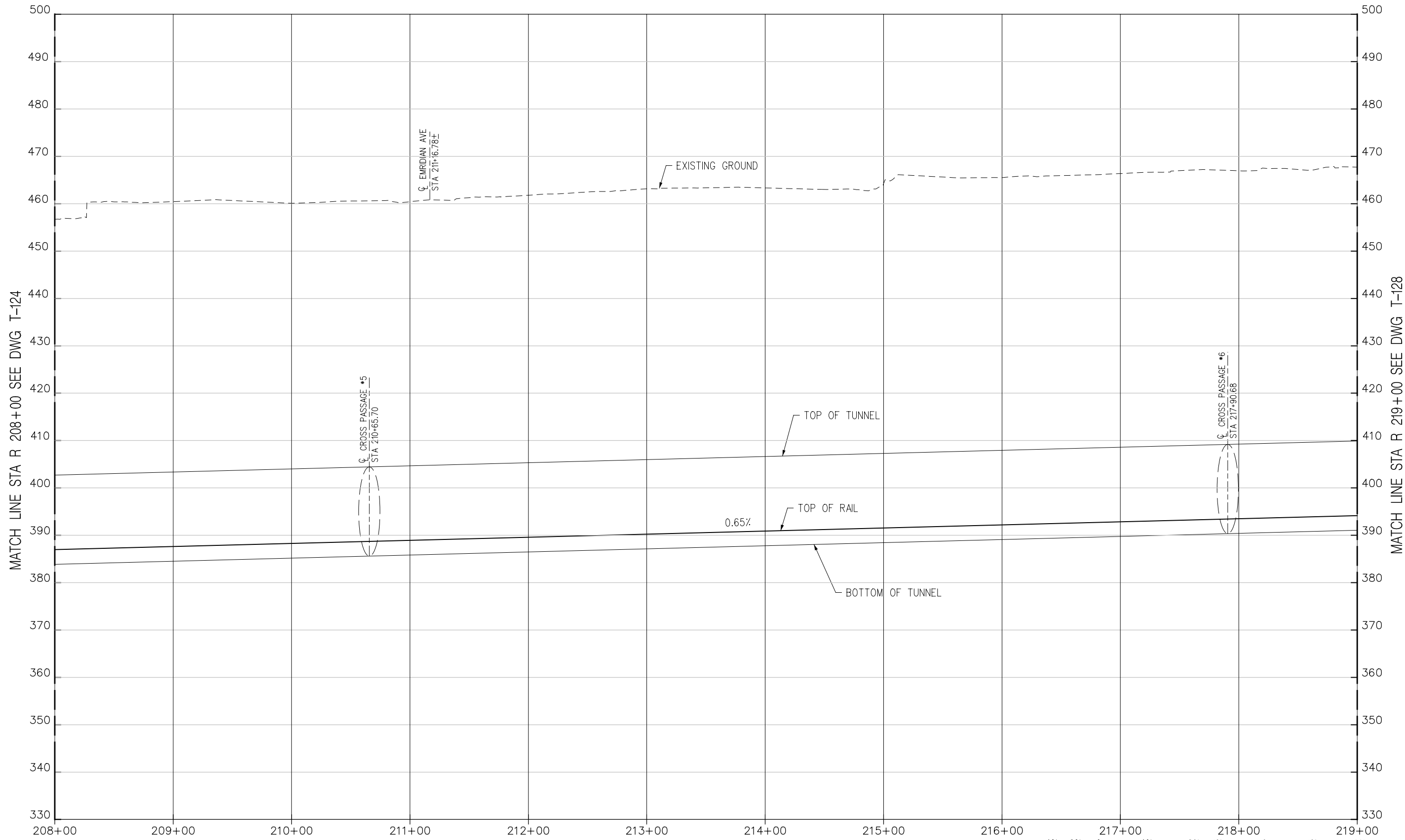

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 208+00 TO STA R 219+00

CONTRACT NO	
DRAWING NO T-125	REV
SCALE 1" = 40'	SHEET NO

Model Name = Default

8/28/2013 5:17:38 PM USER:almashatm ...\\track\Sheets\710G_A01-F125.plt Plot Driver: M:\ALF-BW-Plot.plt Pentable: M:\ALF-BW.tbl

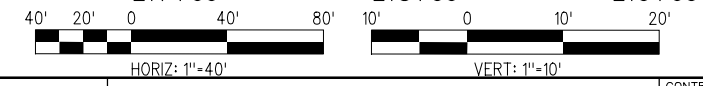


MATCH LINE STA R 208+00 SEE DWG T-124

MATCH LINE STA R 219+00 SEE DWG T-128

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

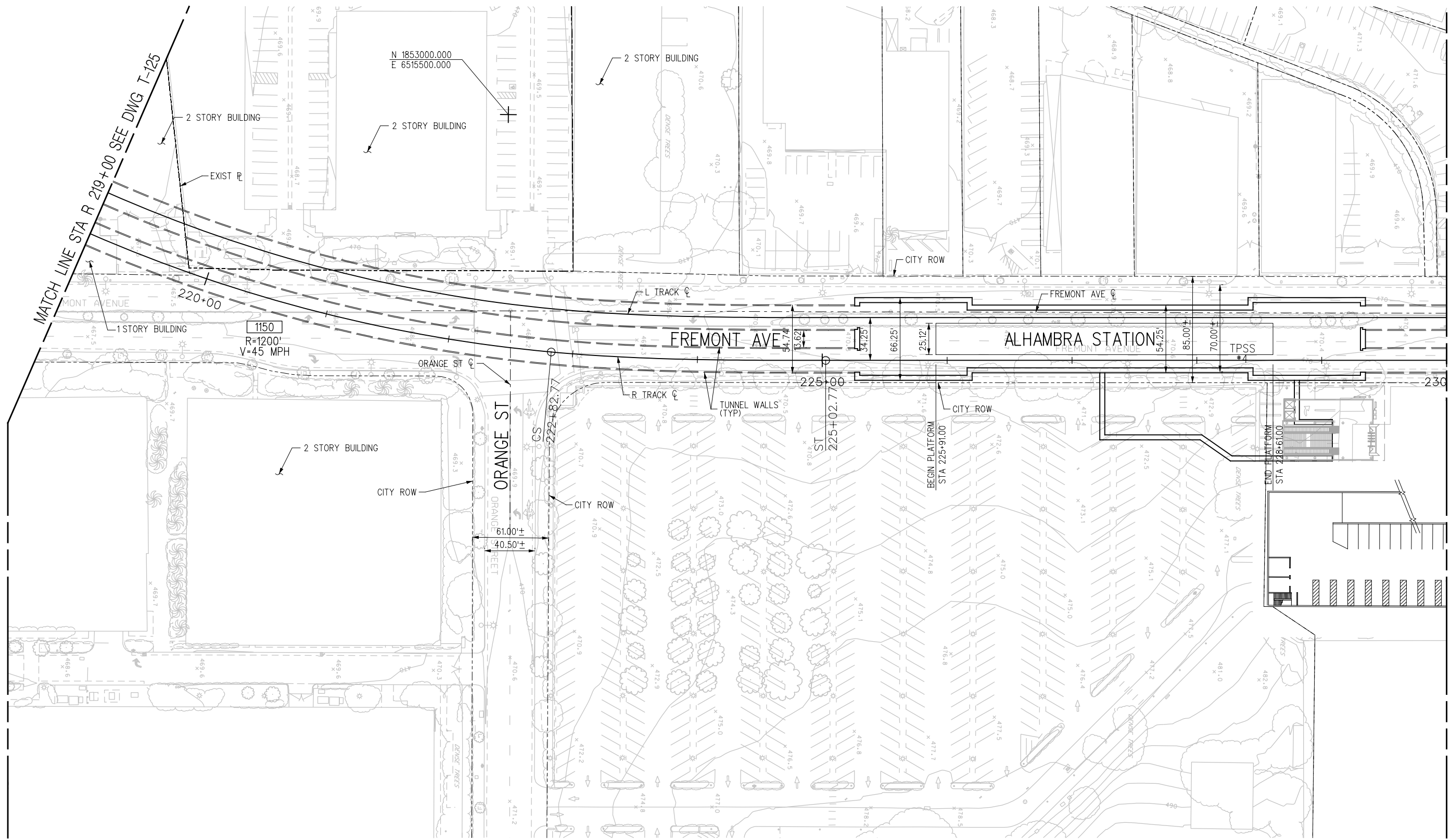
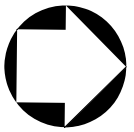
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 208+00 TO STA R 219+00

CONTRACT NO	
DRAWING NO T-126	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

8/8/2013 3:17:50 PM USER=almashatm Plot Driver=M:\HALF-BW-PDF.plt;g Pentable=M:\HALF-BW.plt

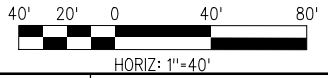


MATCH LINE STA R 219+00 SEE DWG T-125

MATCH LINE STA R 230+00 SEE DWG T-129

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

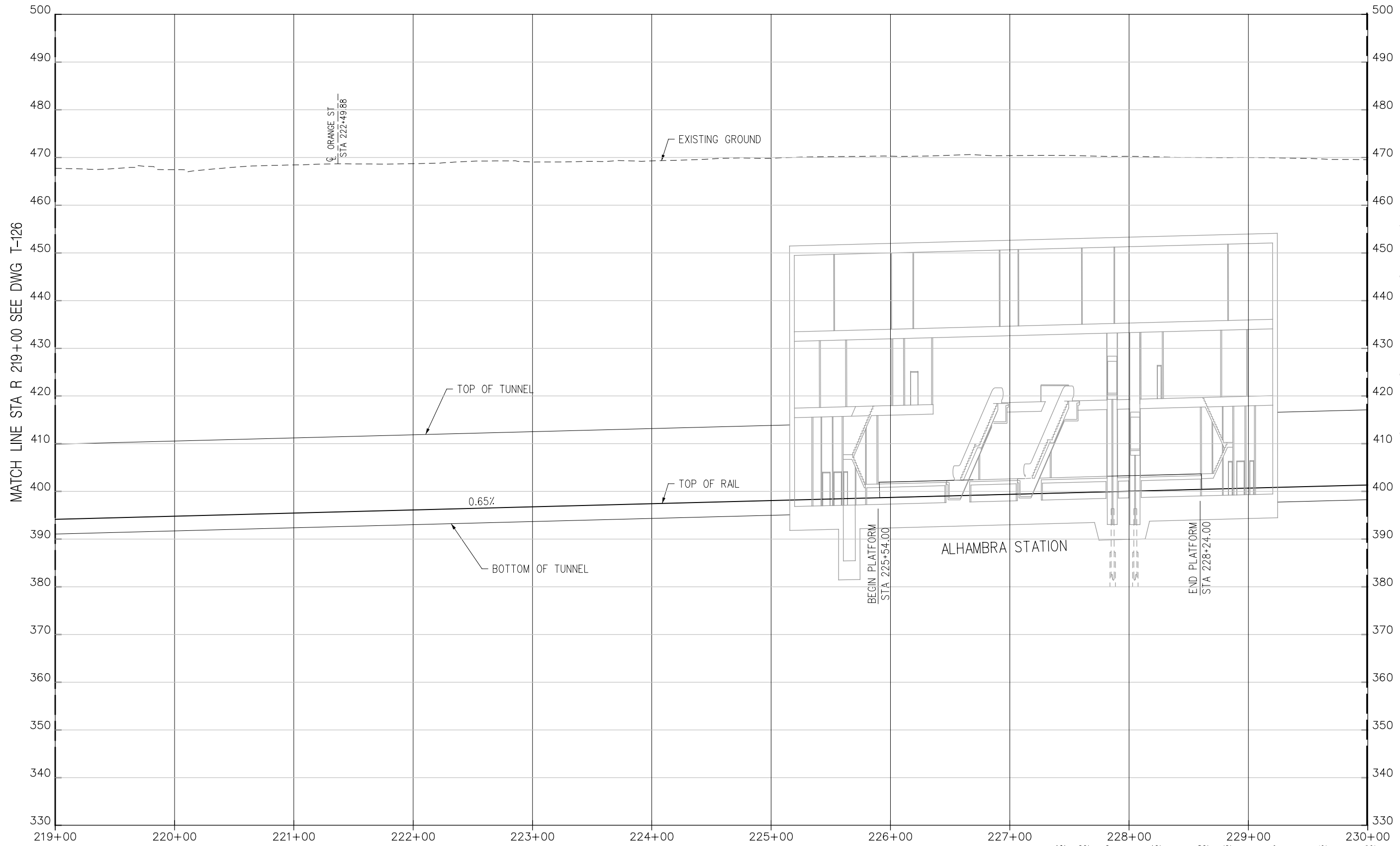


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 219+00 TO STA R 230+00

CONTRACT NO	
DRAWING NO T-127	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default

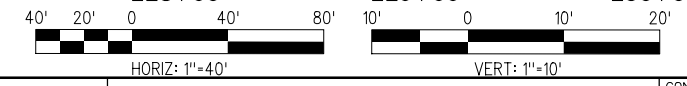


MATCH LINE STA R 219+00 SEE DWG T-126

MATCH LINE STA R 230+00 SEE DWG T-130

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

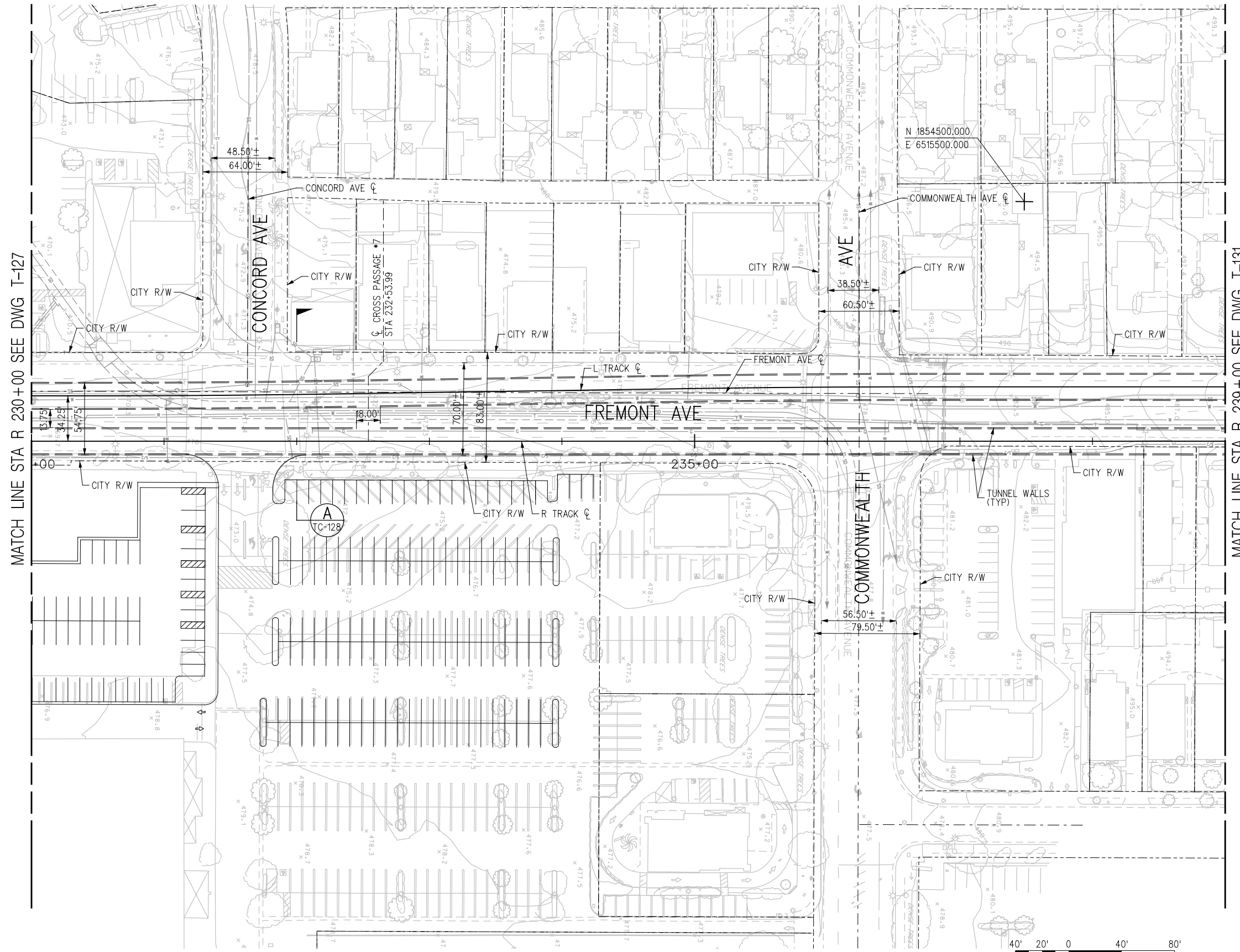
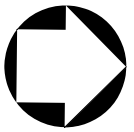
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 219+00 TO STA R 230+00

CONTRACT NO	
DRAWING NO T-128	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

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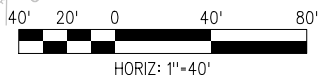


MATCH LINE STA R 230+00 SEE DWG T-127

MATCH LINE STA R 239+00 SEE DWG T-131

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

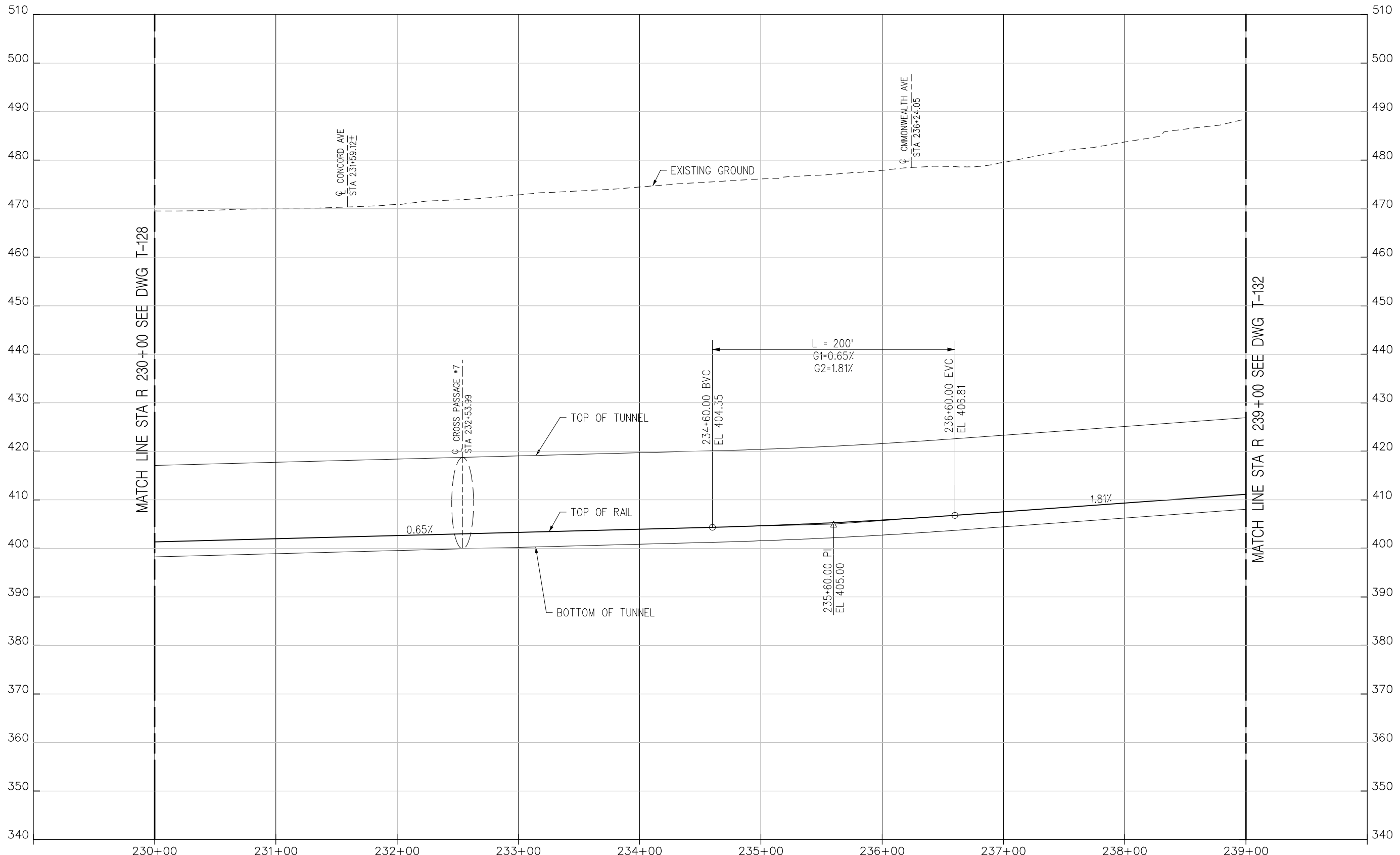
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 230+00 TO STA R 239+00

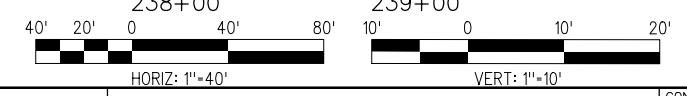
CONTRACT NO	
DRAWING NO T-129	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default




PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

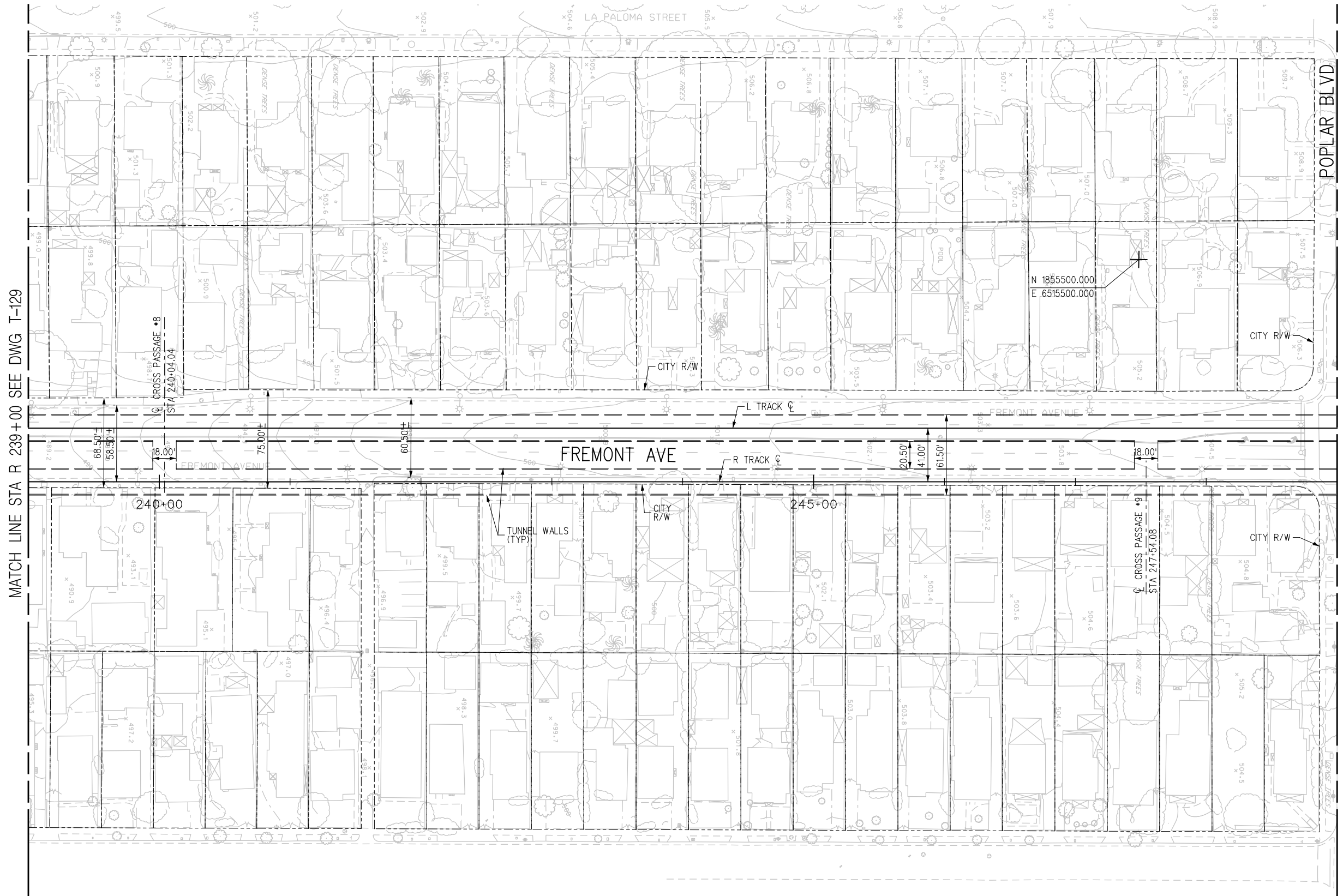
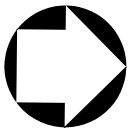
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 230+00 TO STA R 239+00

CONTRACT NO	
DRAWING NO T-130	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 5:19:02 PM USER:almashatm ...\\track\Sheets\710G_A0-F130.plt Plot Driver: M:\HALF-BW-PDF.plt Pentable: M:\HALF-BW.plt

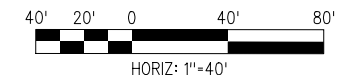


MATCH LINE STA R 239+00 SEE DWG T-129

MATCH LINE STA R 249+00 SEE DWG T-133

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

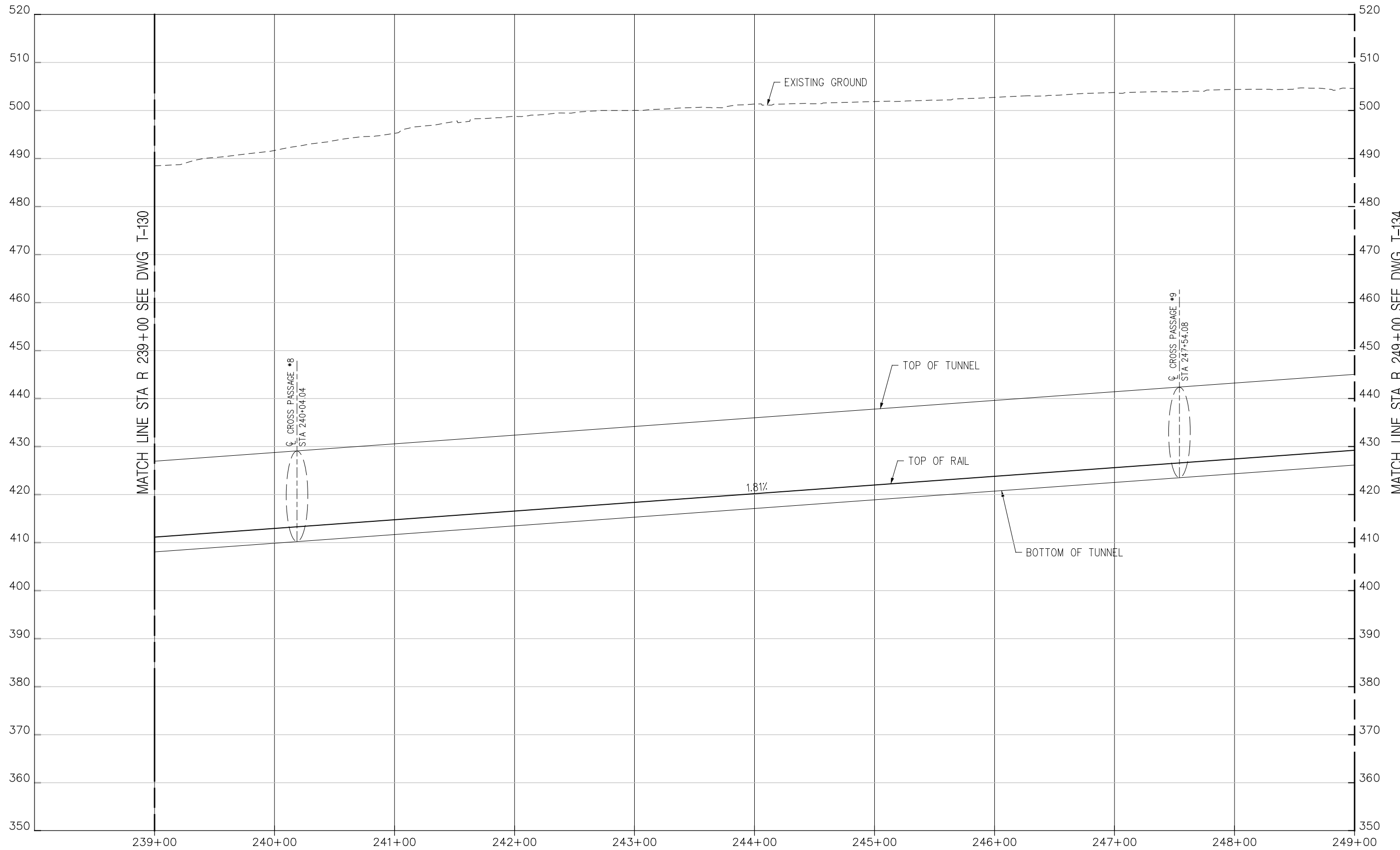
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



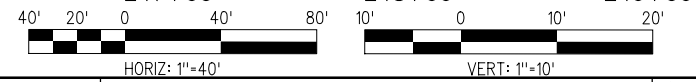
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 239+00 TO STA R 249+00

CONTRACT NO	
DRAWING NO T-131	REV
SCALE 1" = 40'	SHEET NO



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

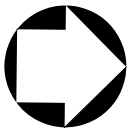
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 239+00 TO STA R 249+00

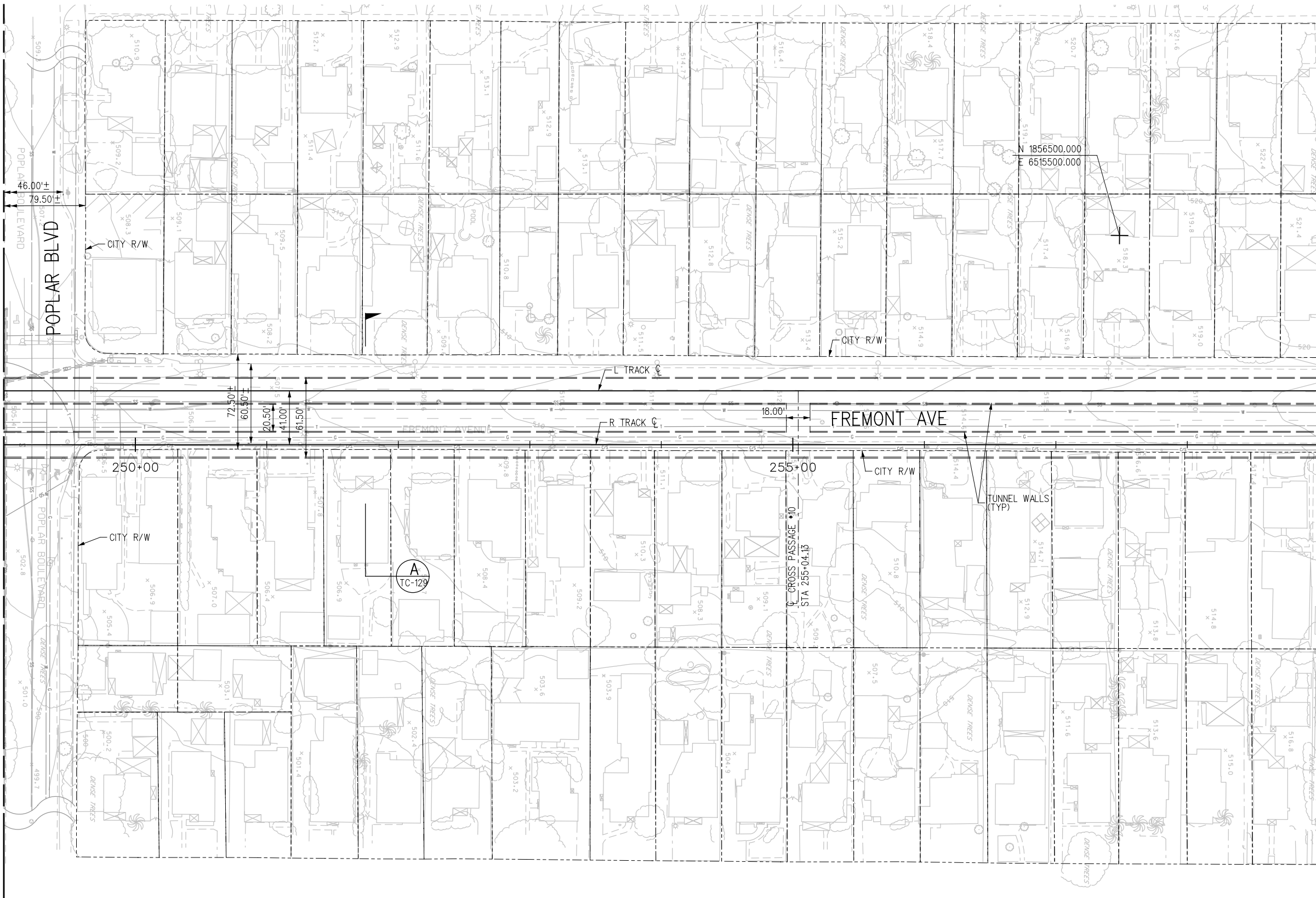
CONTRACT NO	
DRAWING NO T-132	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

8/8/2013 3:19:29 PM USER=almashatm ...\\track\Sheets\710G_A0-T132.plg Plot Driver=MTAL_HALF-BW-PDF.plt;g Pentable=MTAL_HALF.tbl



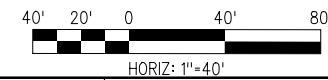
MATCH LINE STA R 249+00 SEE DWG T-131

MATCH LINE STA R 259+00 SEE DWG T-135



PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

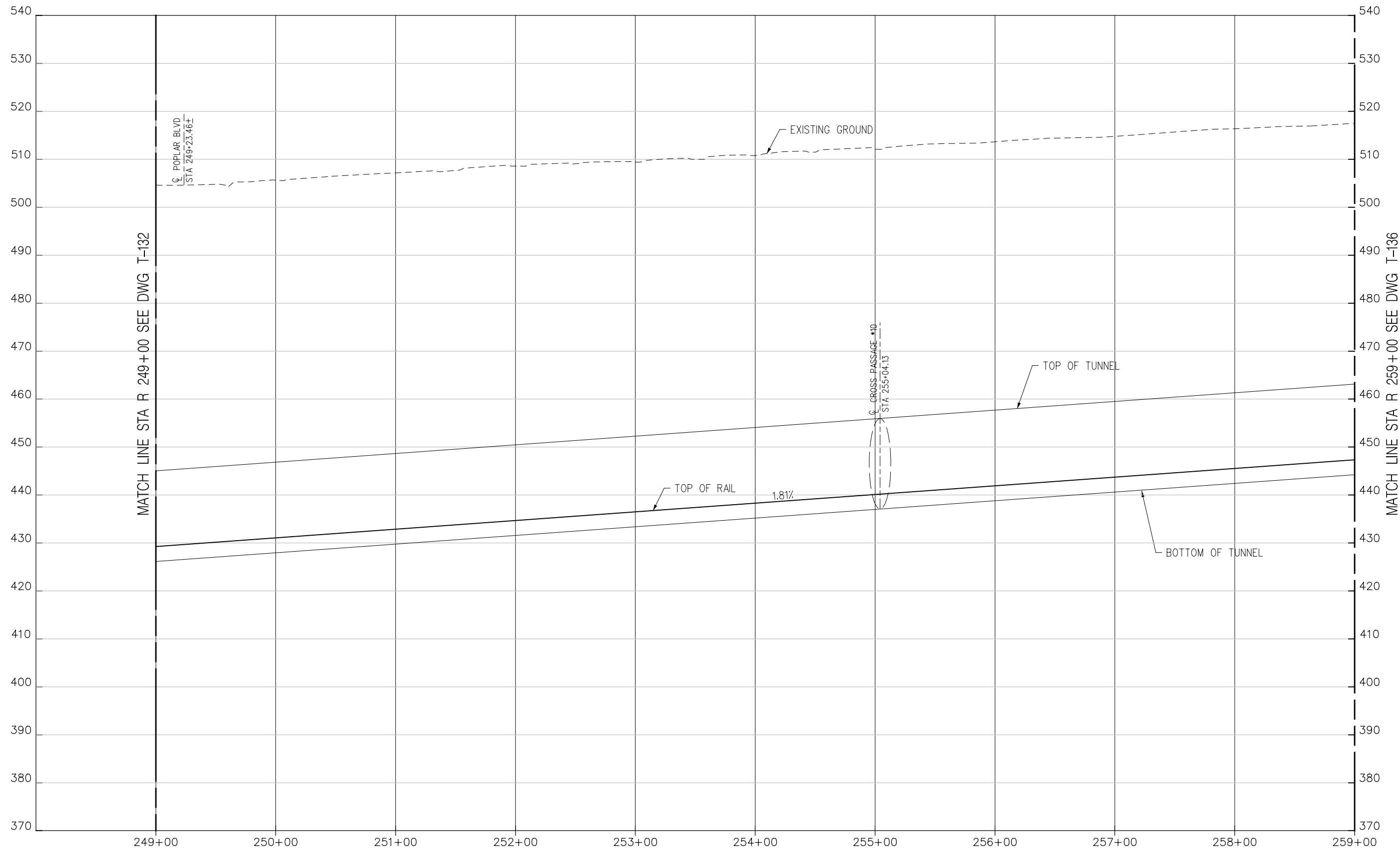


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 249+00 TO STA R 259+00

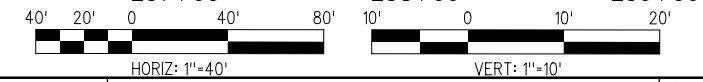
CONTRACT NO	
DRAWING NO T-133	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

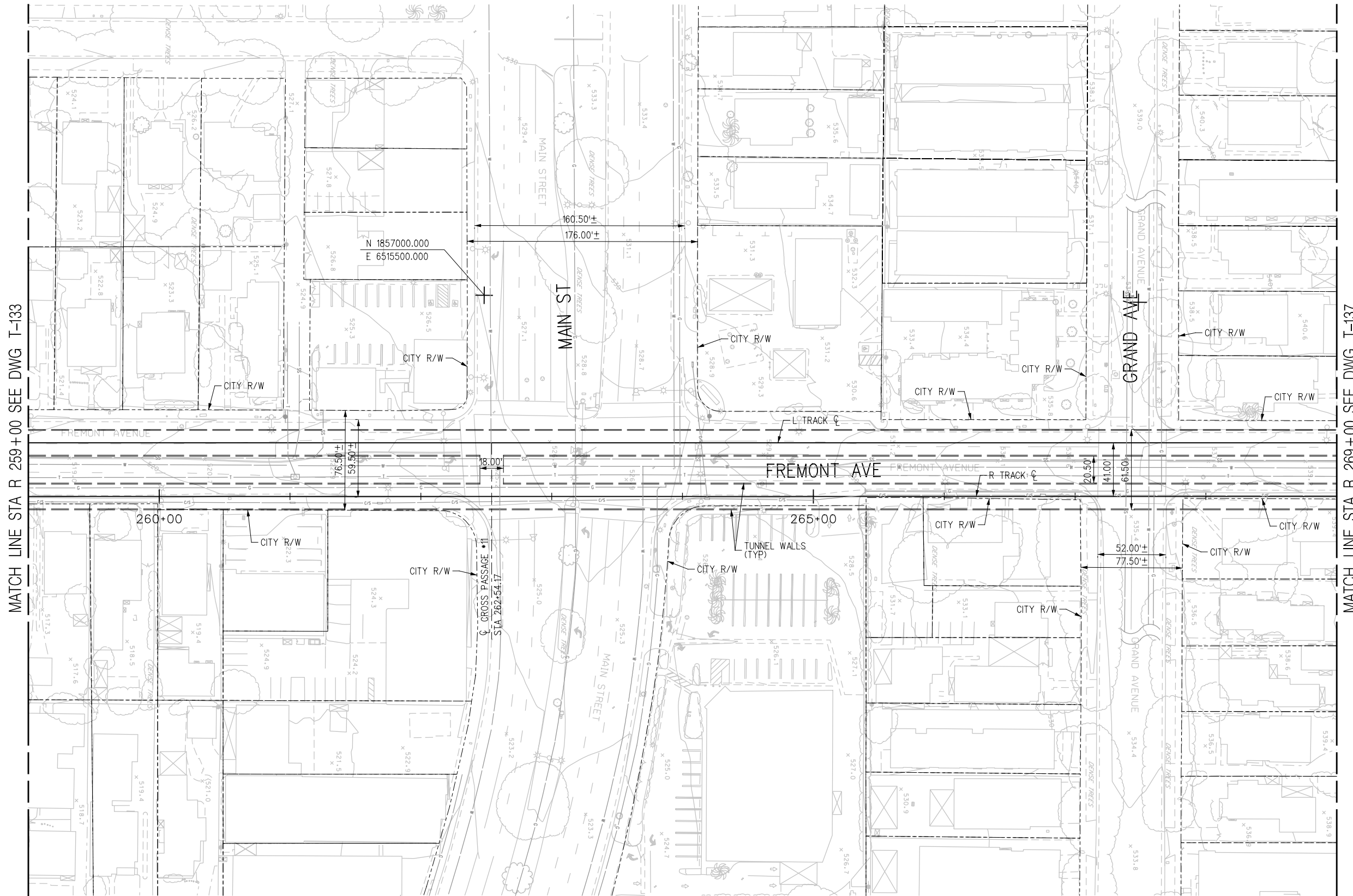
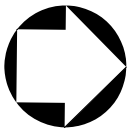
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 249+00 TO STA R 259+00

CONTRACT NO	
DRAWING NO T-134	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:20:06 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt:grg Pentable: M:\HALF-BW.plt

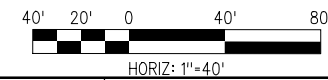


MATCH LINE STA R 259+00 SEE DWG T-133

MATCH LINE STA R 269+00 SEE DWG T-137

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

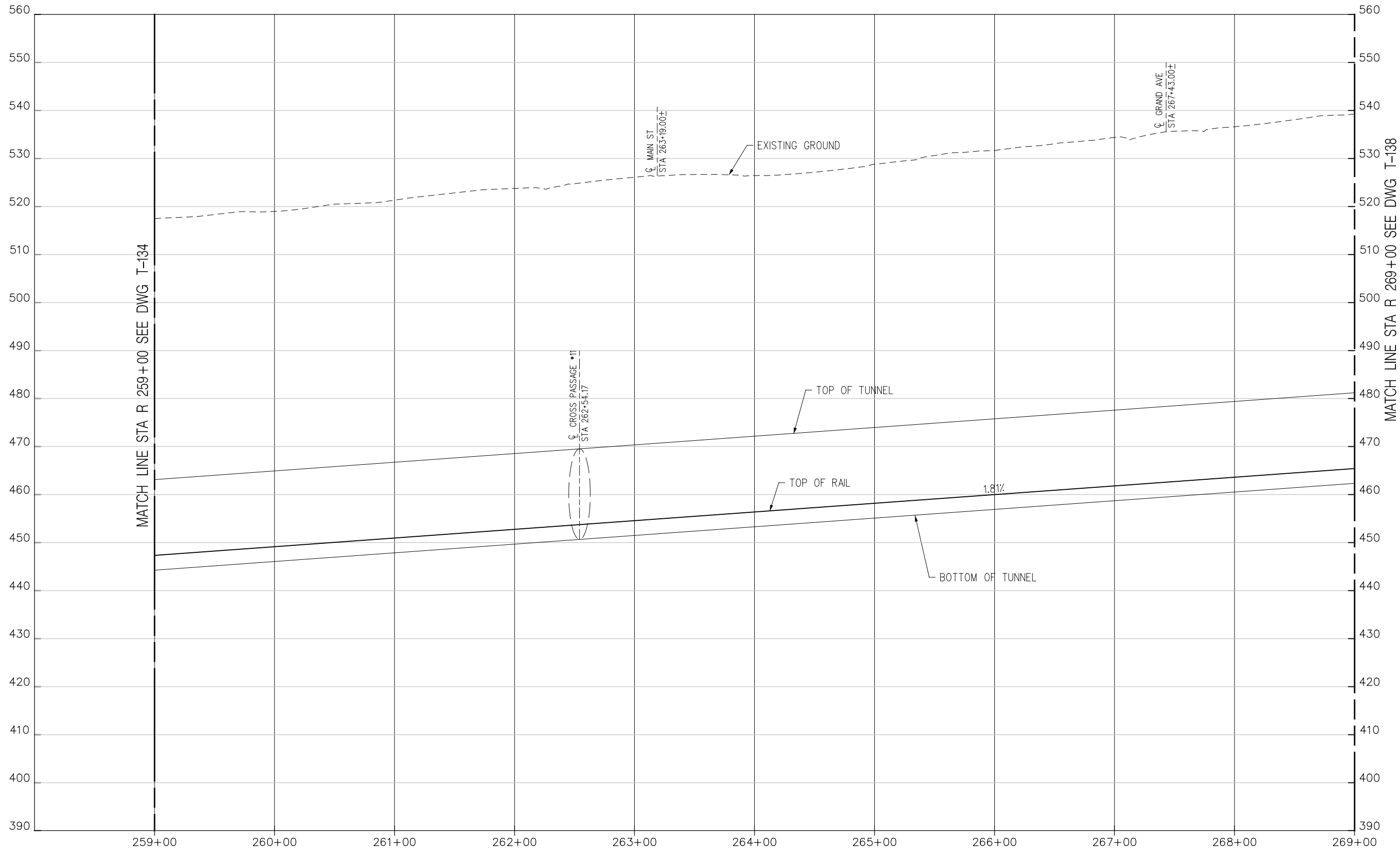


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 259+00 TO STA R 269+00

CONTRACT NO	
DRAWING NO T-135	REV
SCALE 1" = 40'	SHEET NO

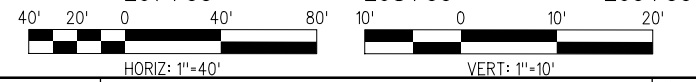
Model Name= Default



MATCH LINE STA R 259+00 SEE DWG T-134

MATCH LINE STA R 269+00 SEE DWG T-138

R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

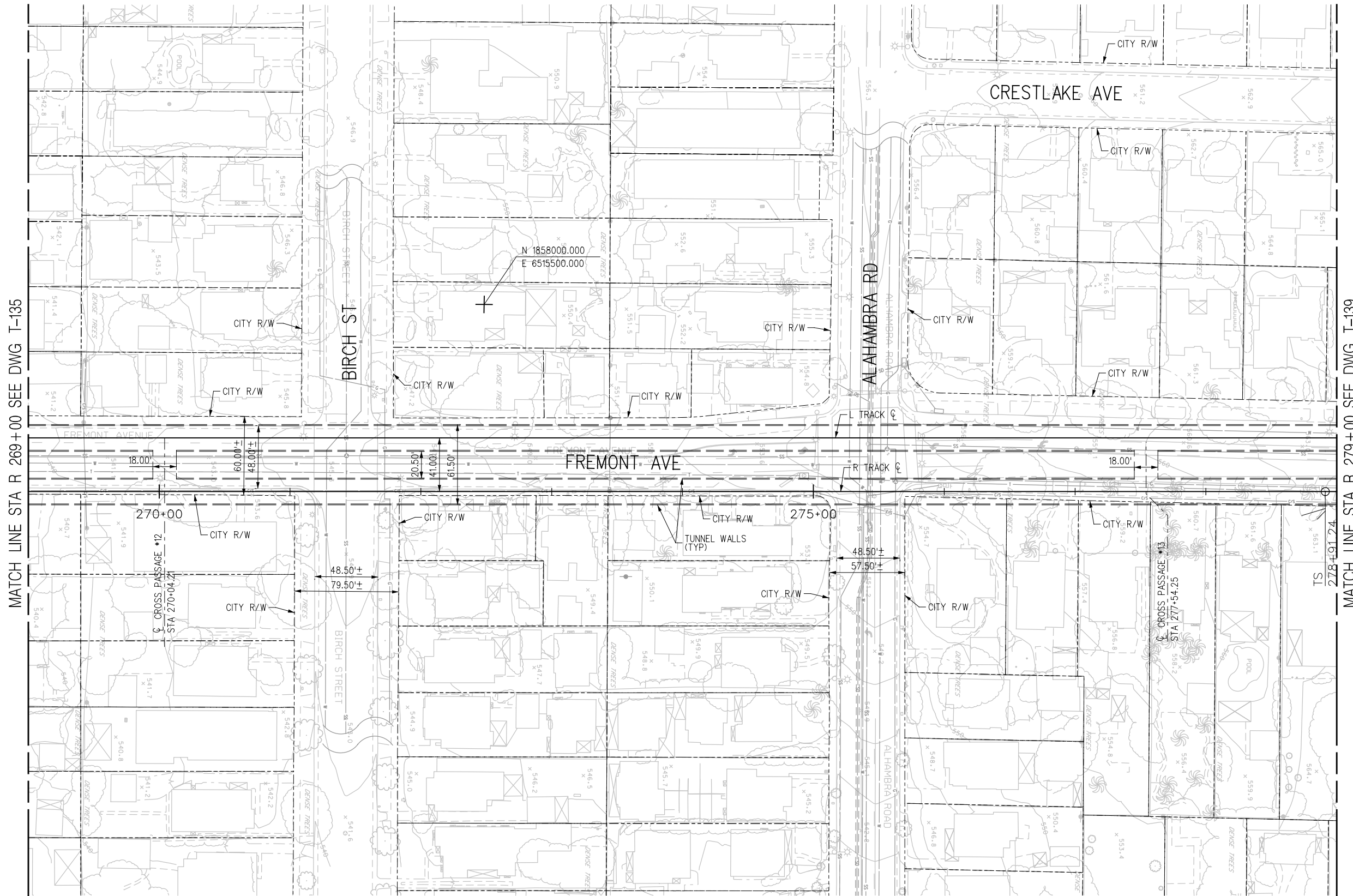
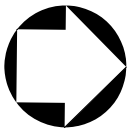
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 259+00 TO STA R 269+00

CONTRACT NO	
DRAWING NO T-136	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

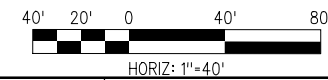


MATCH LINE STA R 269+00 SEE DWG T-135

MATCH LINE STA R 279+00 SEE DWG T-139

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

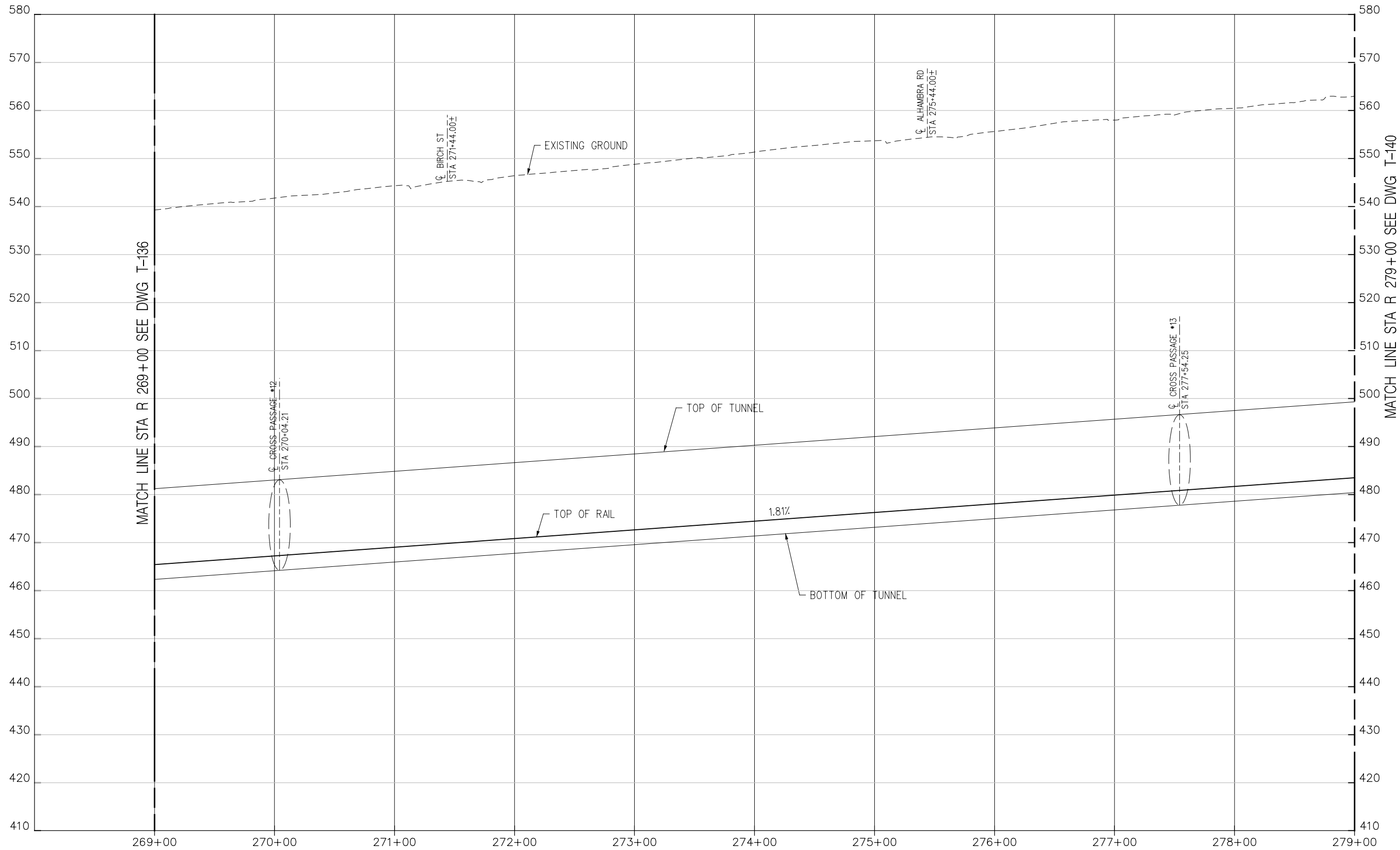


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 269+00 TO STA R 279+00

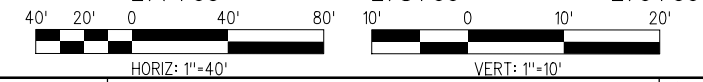
CONTRACT NO	
DRAWING NO T-137	REV
SCALE 1" = 40'	
SHEET NO	

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 269+00 TO STA R 279+00

CONTRACT NO	
DRAWING NO T-138	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	



Pentable=MAL_FL_BW1.B1

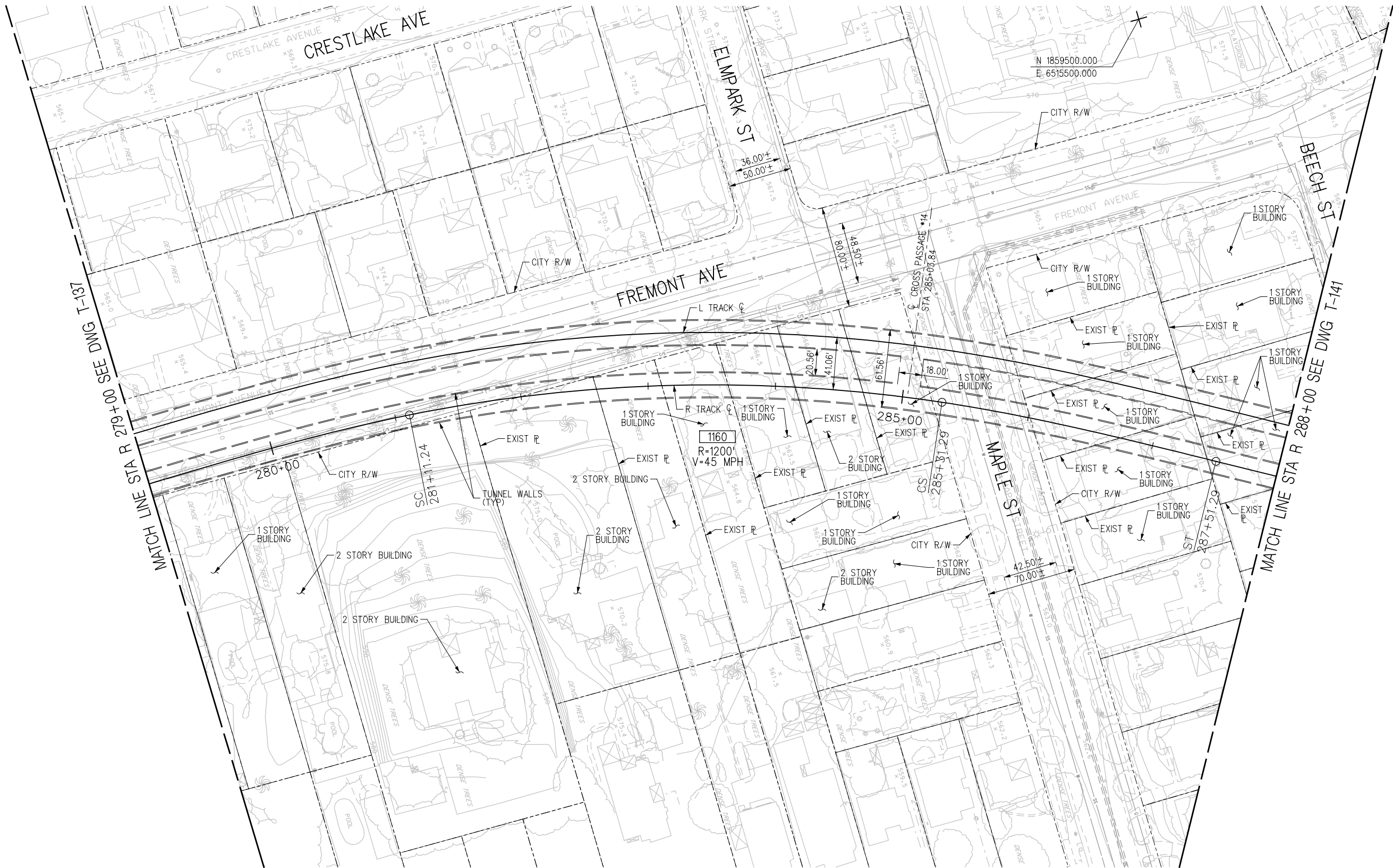
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8/8/2013

3:27:34 PM

USER=almashatm



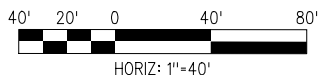
N 1859500.000
E 6515500.000

MATCH LINE STA R 279+00 SEE DWG T-137

MATCH LINE STA R 288+00 SEE DWG T-141

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

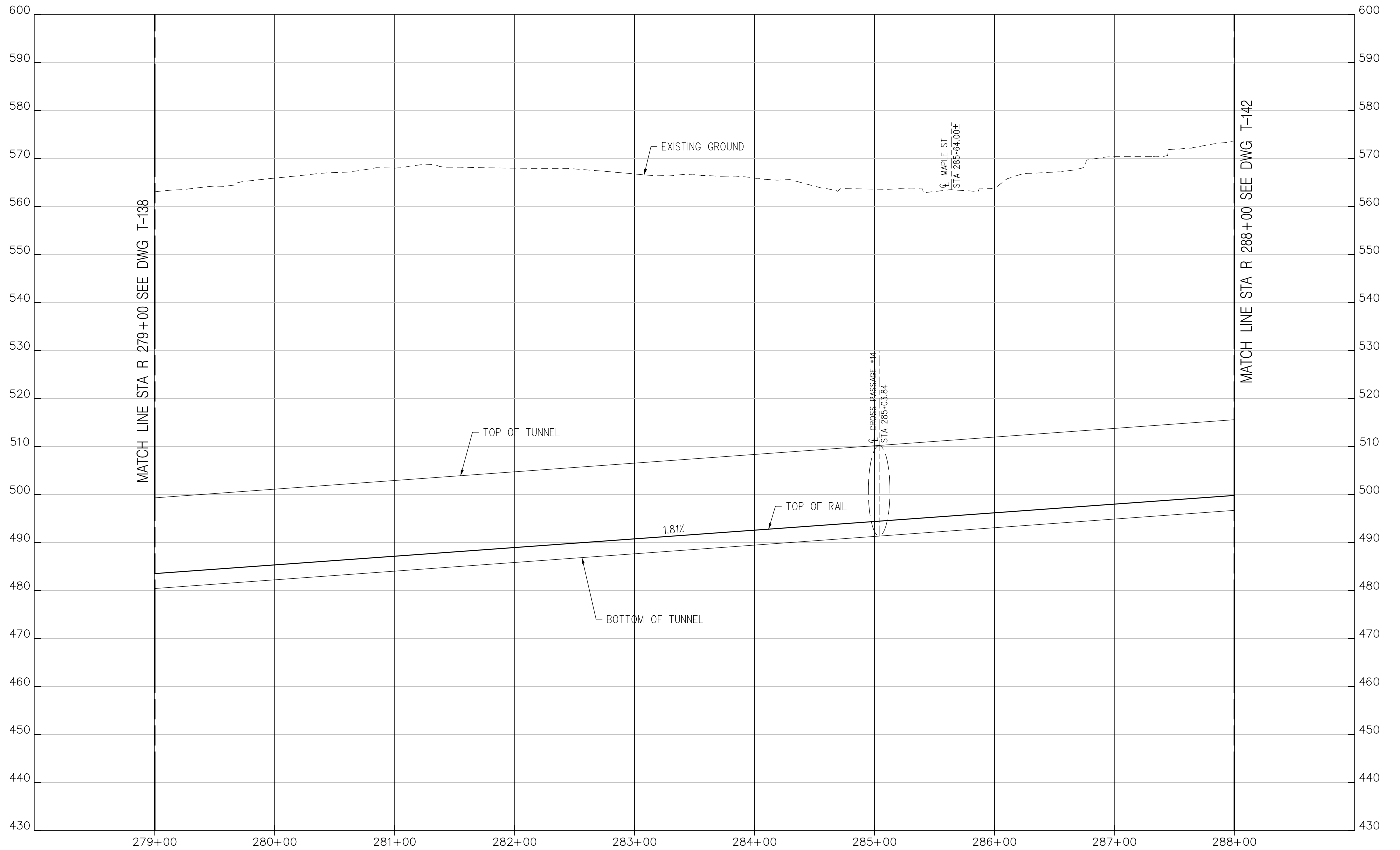
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

 **LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 279+00 TO STA R 288+00

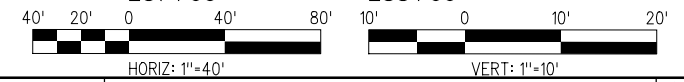
CONTRACT NO	
DRAWING NO T-139	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

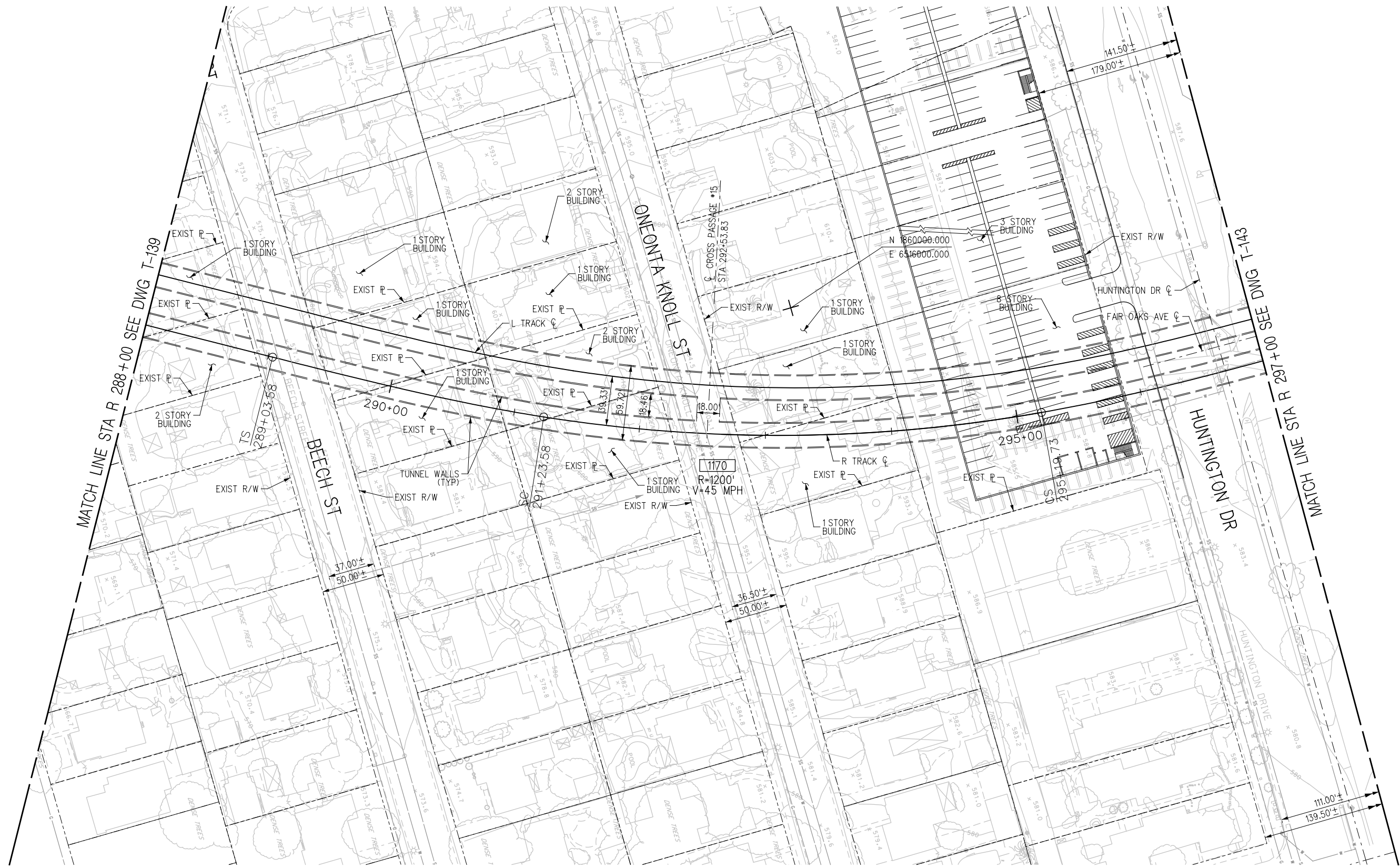
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 279+00 TO STA R 288+00

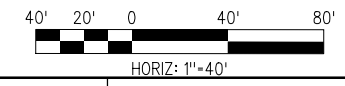
CONTRACT NO	
DRAWING NO T-140	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:21:42 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt:grg Pentable: M:\HALF-BW.plt



PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
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J. AL-MASHAT
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J. AL-MASHAT
DATE
8/12/13



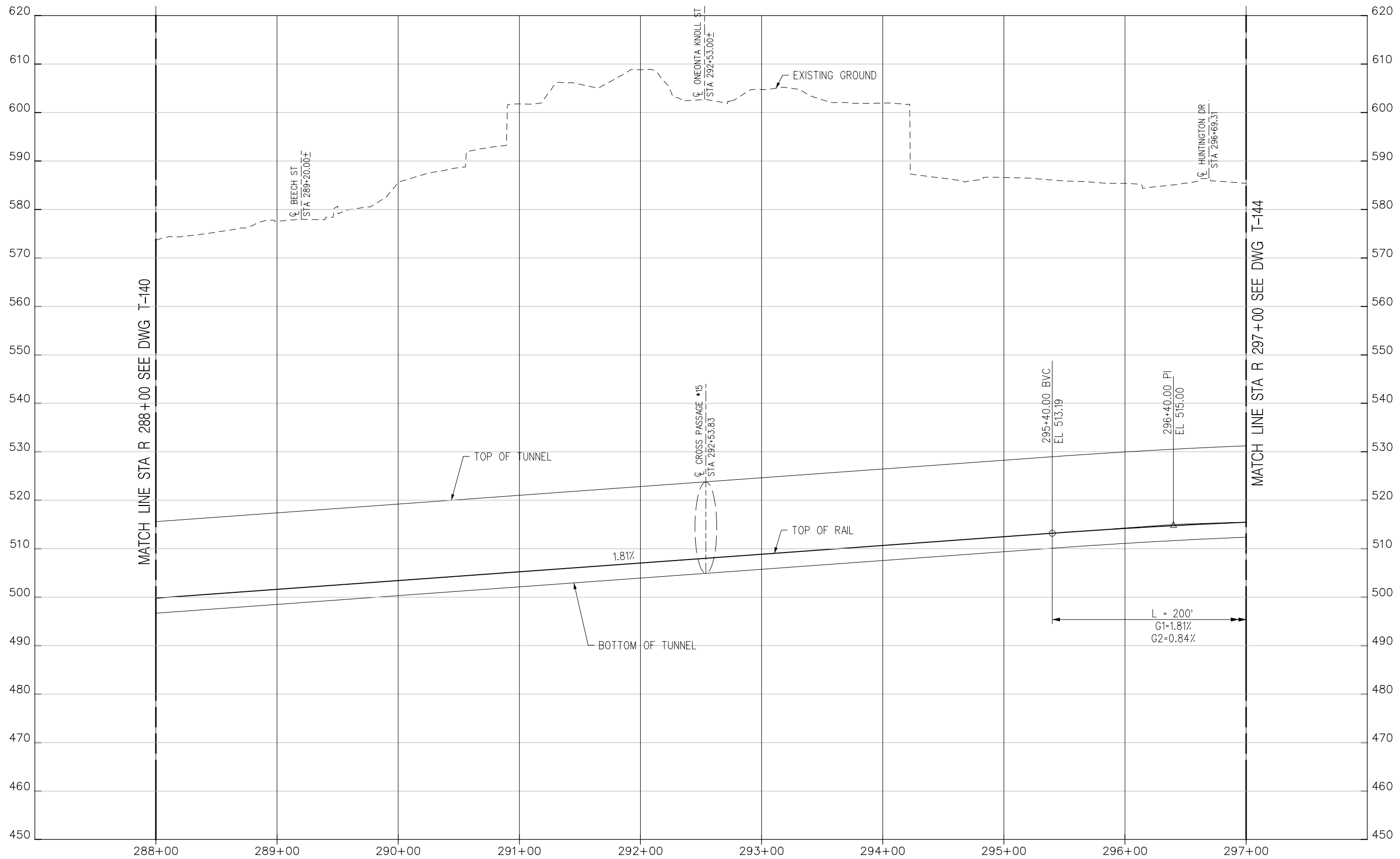
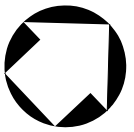
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 288+00 TO STA R 297+00

CONTRACT NO	
DRAWING NO T-141	REV
SCALE 1" = 40'	SHEET NO

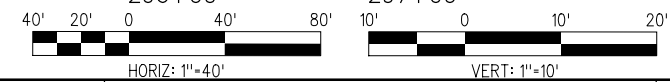
Model Name= Default

9:20:24 AM
 USER:mgmt
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 Pentable= MTLHALF-BW.tbl



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
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M. AL-MASHAT
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J. AL-MASHAT
DATE
8/12/13

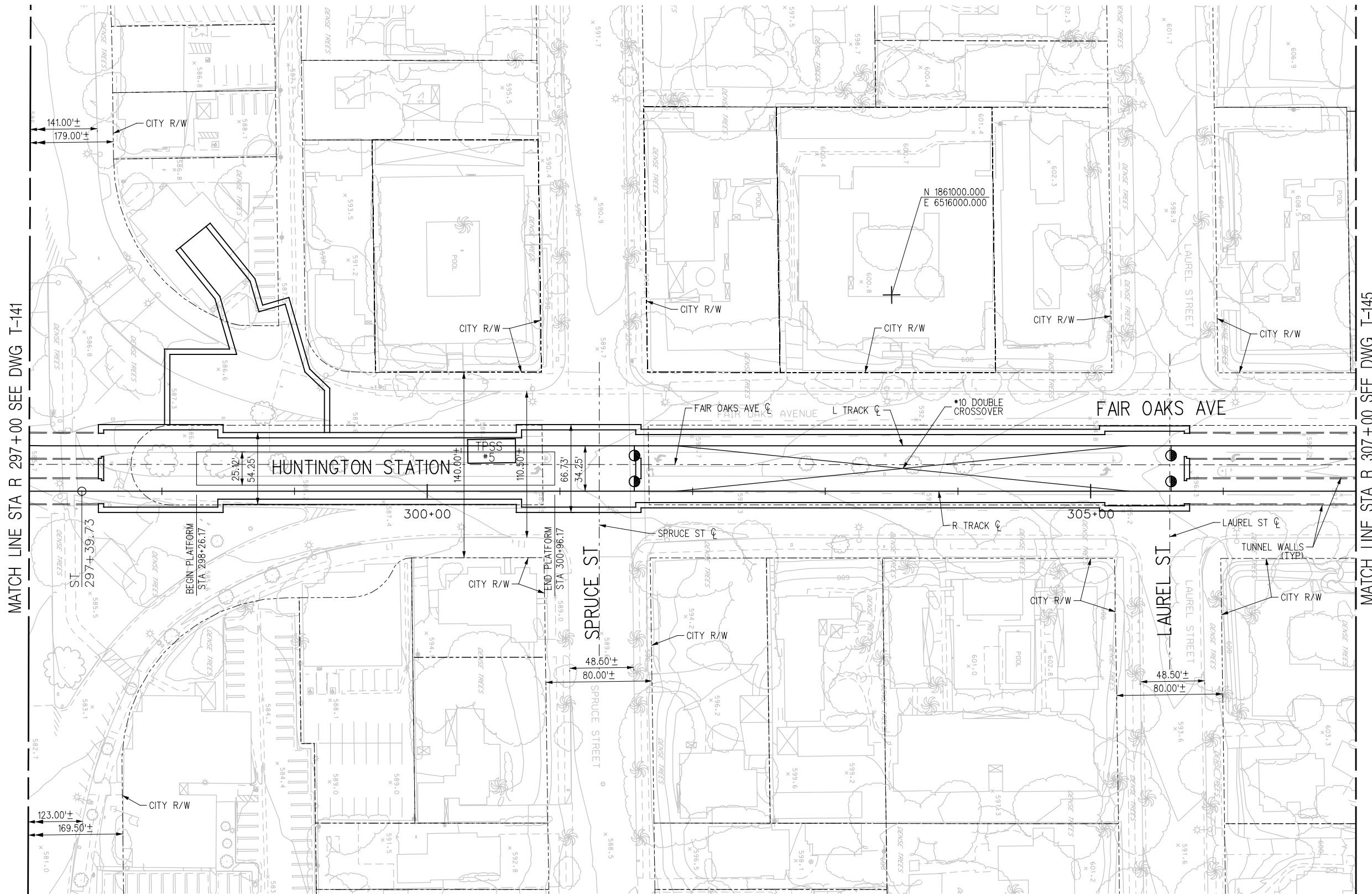
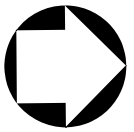


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 288+00 TO STA R 297+00

CONTRACT NO	
DRAWING NO T-142	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

8/8/2013 3:22:17 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt;g Pentable: M:\HALF-BW.plt

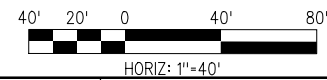


MATCH LINE STA R 297+00 SEE DWG T-141

MATCH LINE STA R 307+00 SEE DWG T-145

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

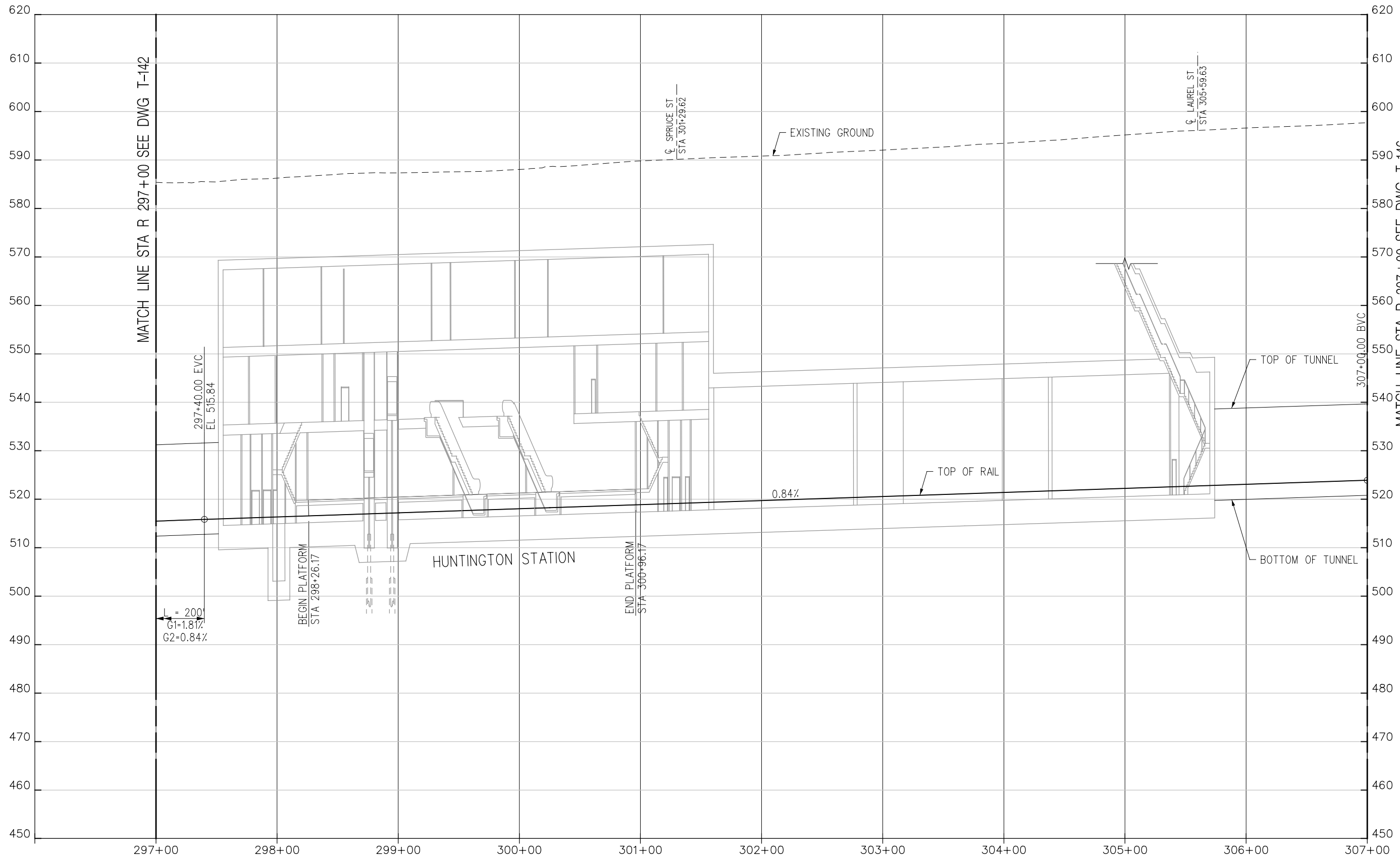
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 297+00 TO STA R 307+00

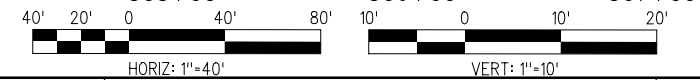
CONTRACT NO	
DRAWING NO T-143	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

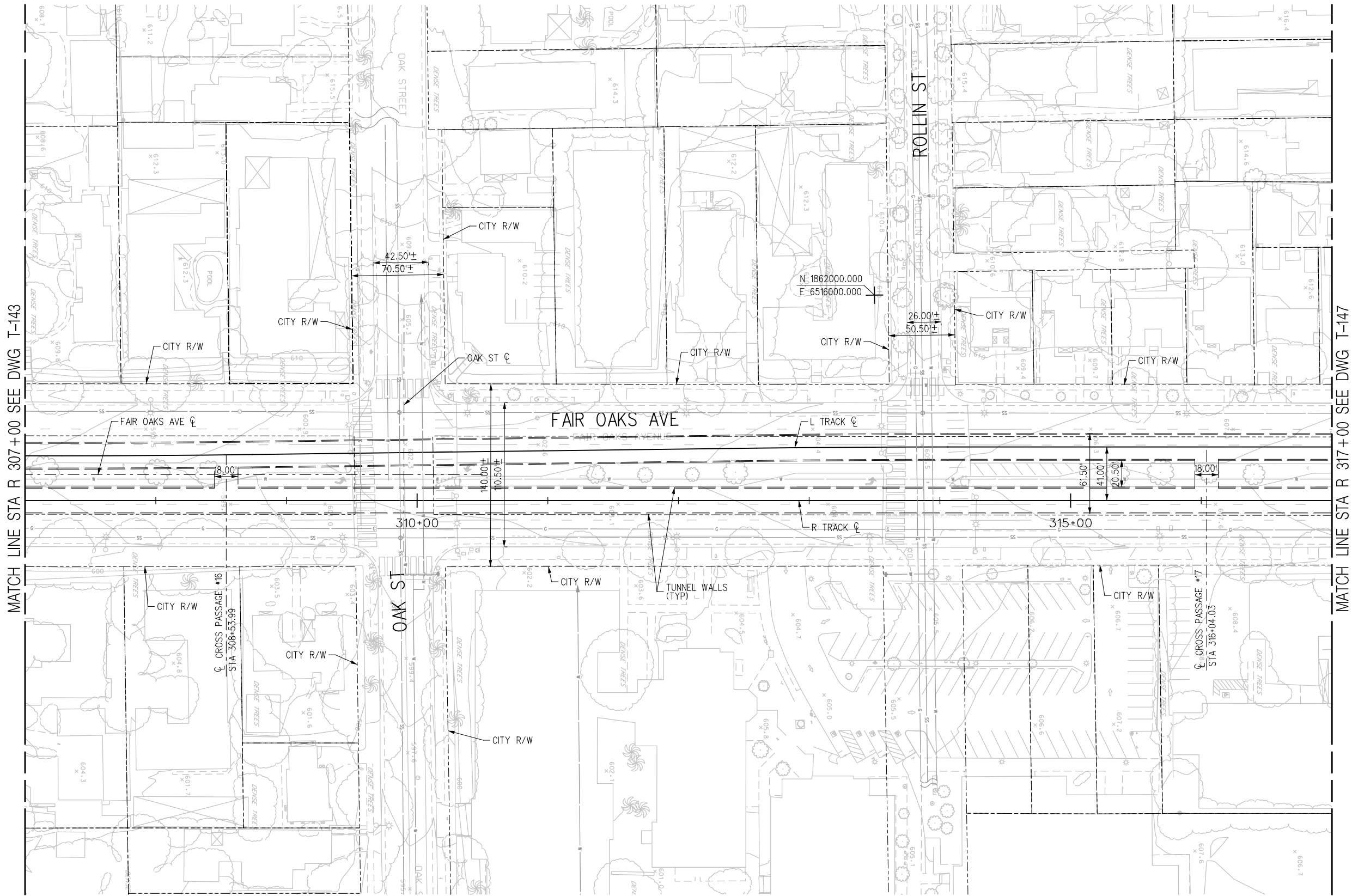
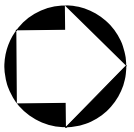
DESIGNED BY
A. GRANDOV
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M. AL-MASHAT
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IN CHARGE
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DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 297+00 TO STA R 307+00

CONTRACT NO	
DRAWING NO T-144	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

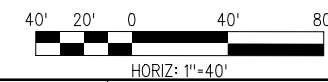


MATCH LINE STA R 307+00 SEE DWG T-143

MATCH LINE STA R 317+00 SEE DWG T-147

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
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CHECKED BY
J. AL-MASHAT
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J. AL-MASHAT
DATE
8/12/13

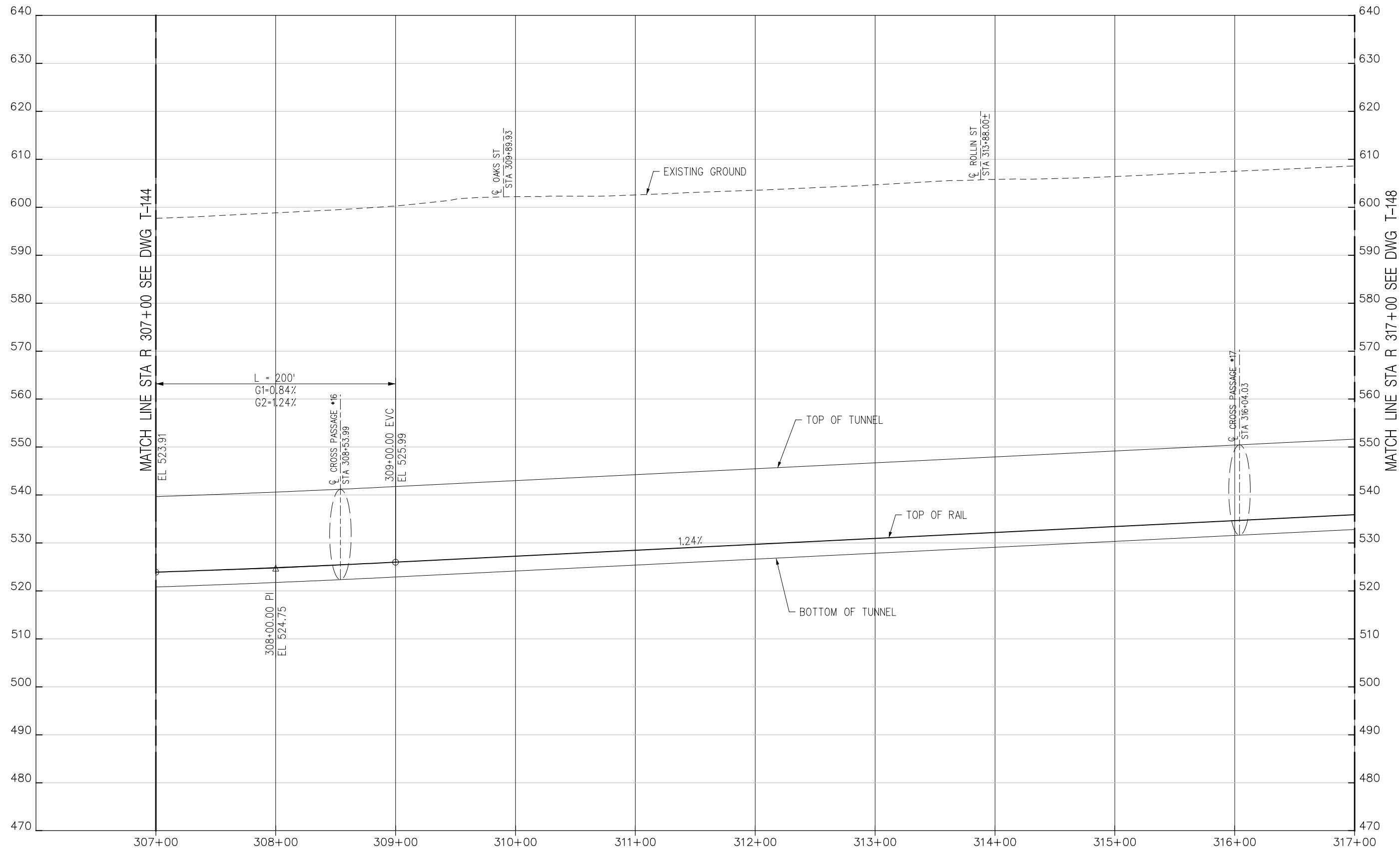


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 307+00 TO STA R 317+00

CONTRACT NO	
DRAWING NO T-145	REV
SCALE 1" = 40'	SHEET NO

Model Name = Default

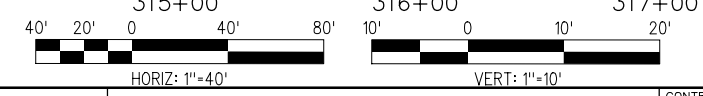


MATCH LINE STA R 307+00 SEE DWG T-144

MATCH LINE STA R 317+00 SEE DWG T-148

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	DESCRIPTION

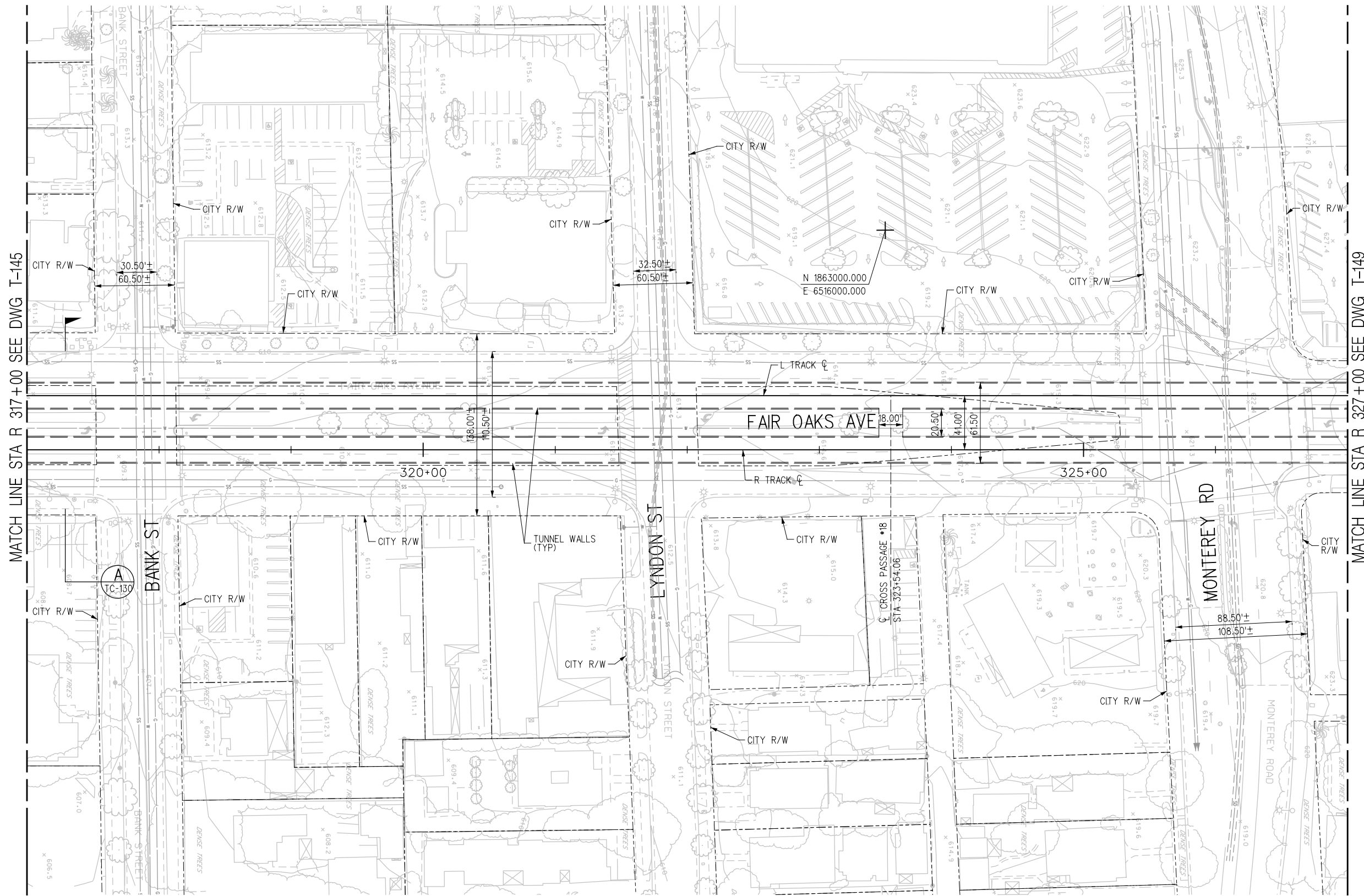
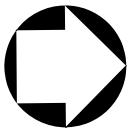
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 307+00 TO STA R 317+00

CONTRACT NO	
DRAWING NO T-146	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:23:11 PM USER:almashatm ...\\track\Sheets\710G_A0-T146.plt Plot Driver: MTL_HALF_BW_PDF.plt Penable: MTL_HALF

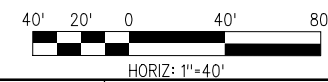


MATCH LINE STA R 317+00 SEE DWG T-145

MATCH LINE STA R 327+00 SEE DWG T-149

PRELIMINARY

PLAN



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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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DATE 8/12/13

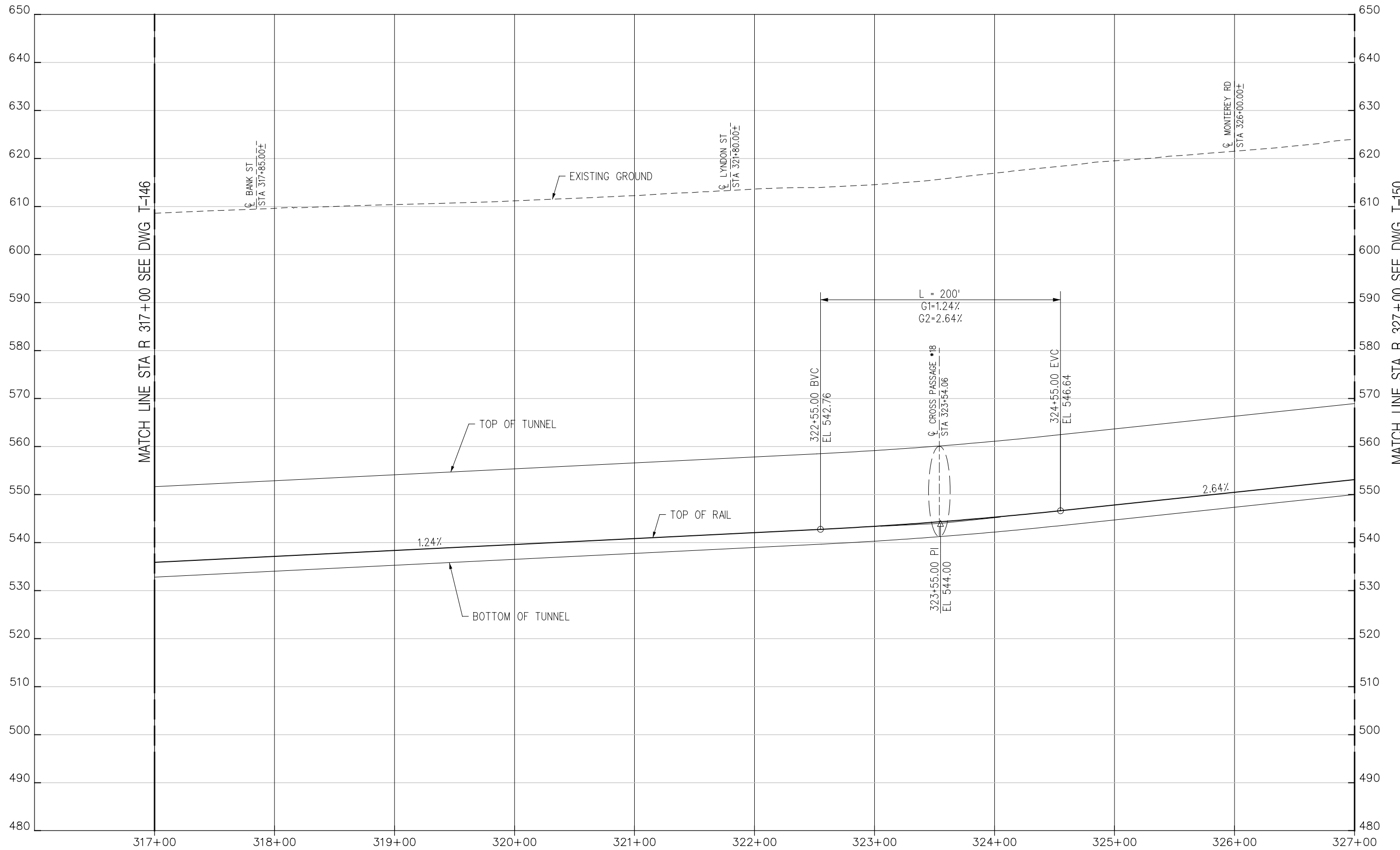


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 317+00 TO STA R 327+00

CONTRACT NO	
DRAWING NO T-147	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default

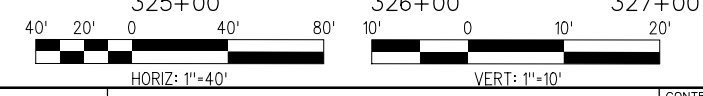


MATCH LINE STA R 317+00 SEE DWG T-146

MATCH LINE STA R 327+00 SEE DWG T-150

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

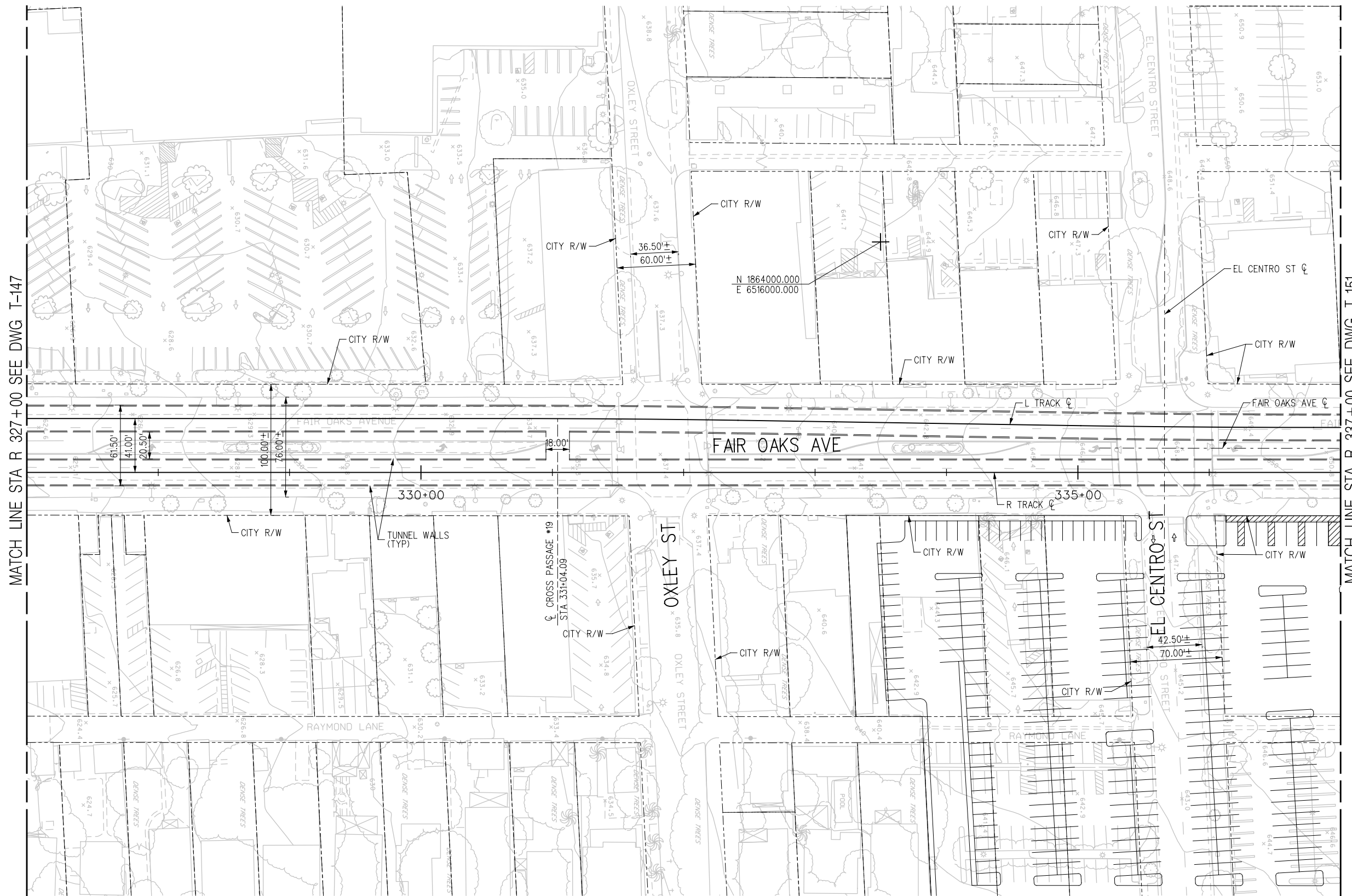
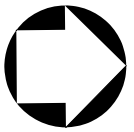
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 317+00 TO STA R 327+00

CONTRACT NO	
DRAWING NO T-148	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:23:41 PM USER:almashatm Plot Driver: M:\AL_HALF_BW_PDF.plt;g Pentable: M:\AL_HALF_BW.plt

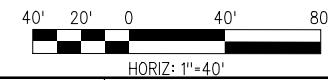


MATCH LINE STA R 327+00 SEE DWG T-147

MATCH LINE STA R 337+00 SEE DWG T-151

PRELIMINARY

PLAN



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DESIGNED BY A. GRANDOV
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CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

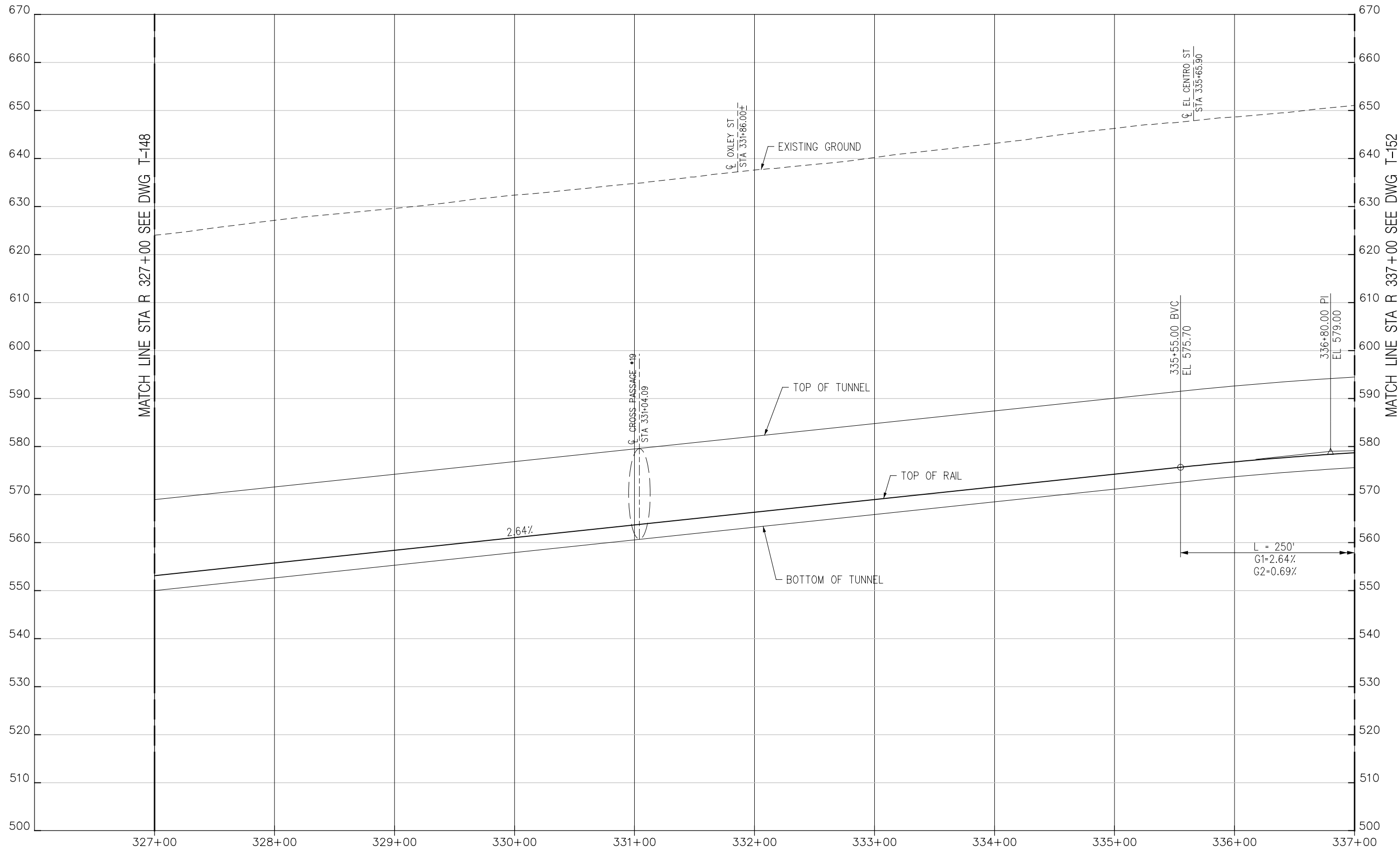


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 327+00 TO STA R 337+00

CONTRACT NO	
DRAWING NO T-149	REV
SCALE 1" = 40'	SHEET NO

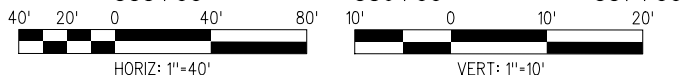
Model Name= Default



MATCH LINE STA R 327+00 SEE DWG T-148

MATCH LINE STA R 337+00 SEE DWG T-152

R TRACK PROFILE



PRELIMINARY

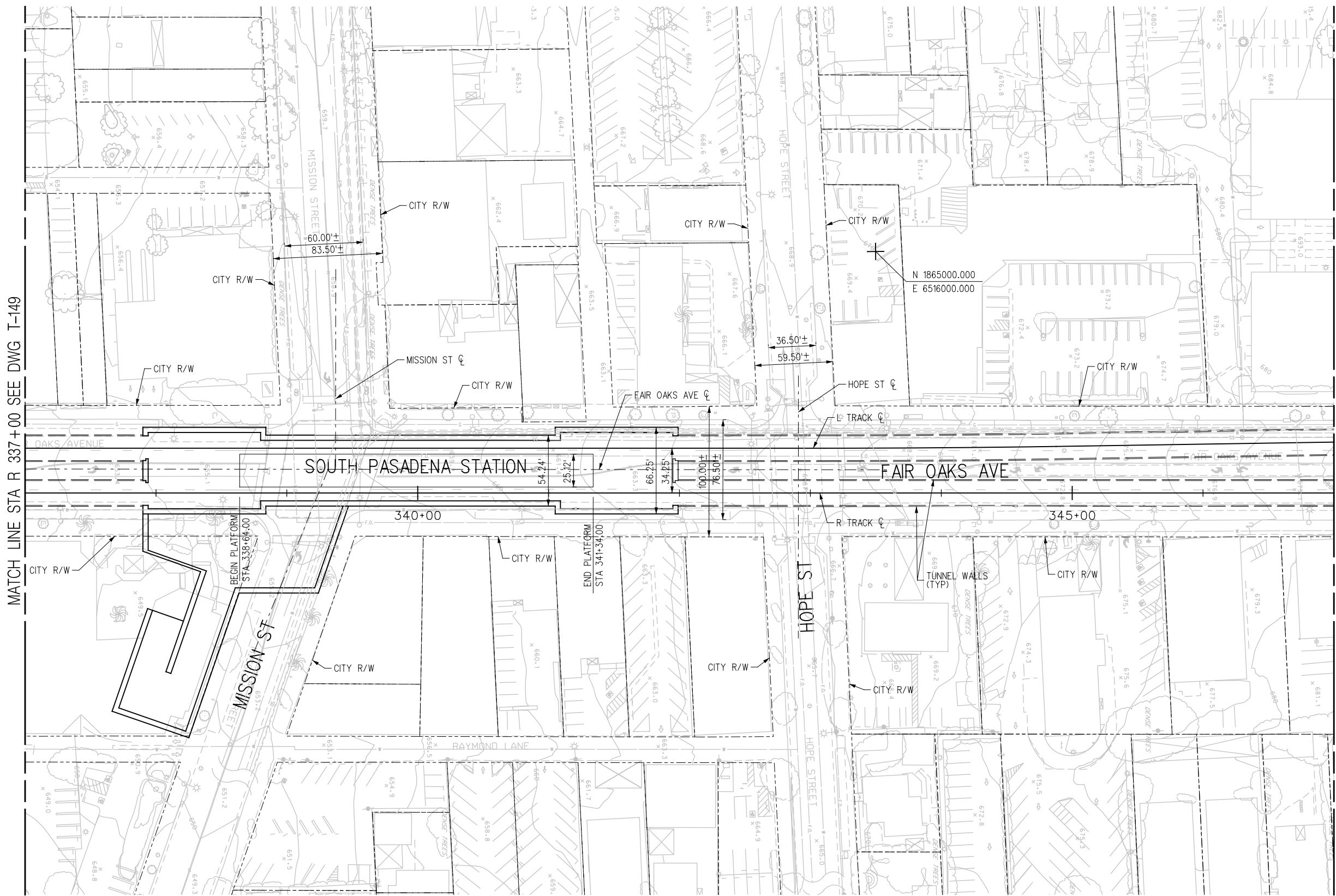
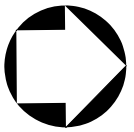
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY A. GRANDOV
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IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 327+00 TO STA R 337+00

CONTRACT NO	
DRAWING NO T-150	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

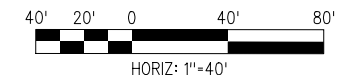


MATCH LINE STA R 337+00 SEE DWG T-149

MATCH LINE STA R 347+00 SEE DWG T-153

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

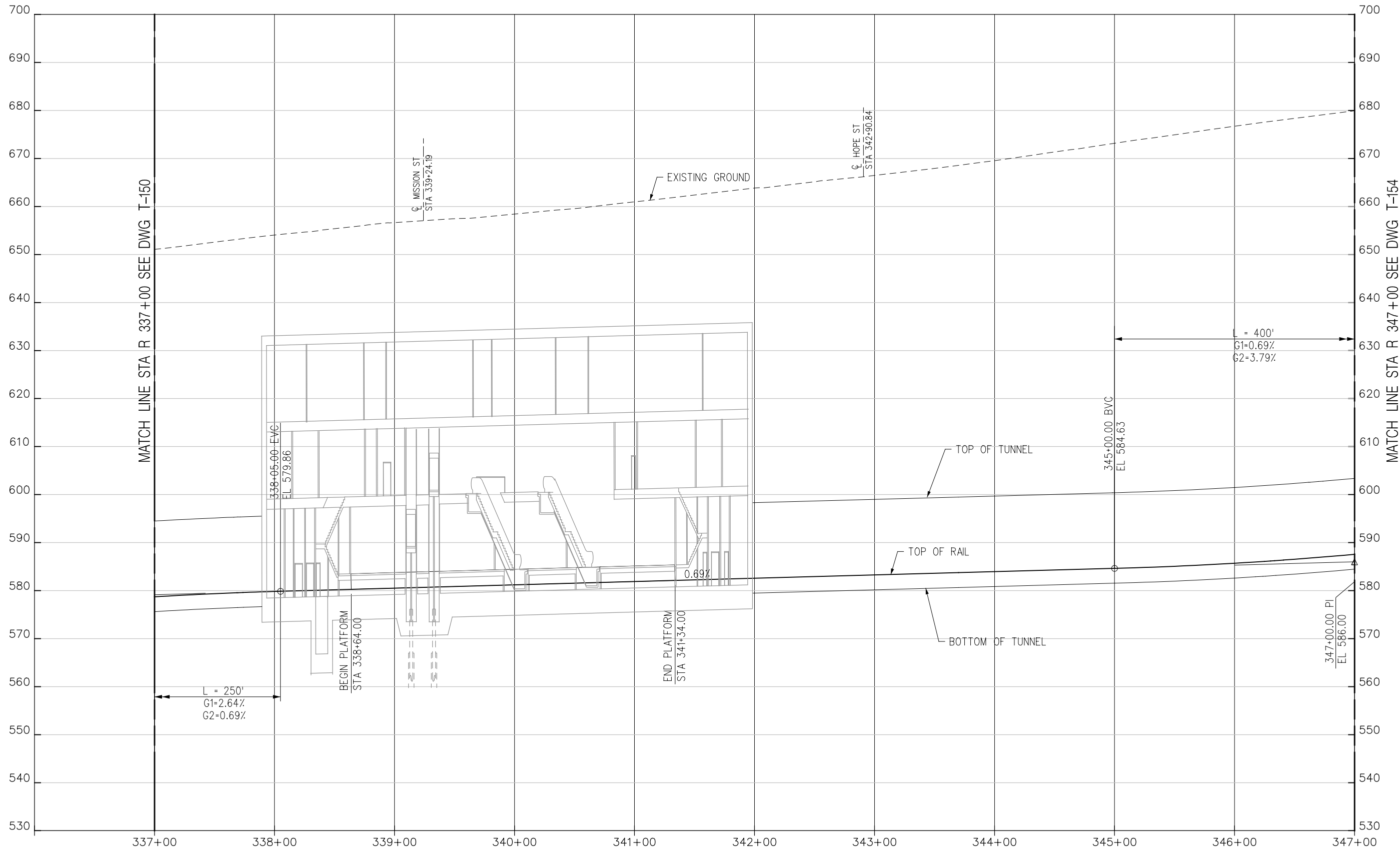


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 337+00 TO STA R 347+00

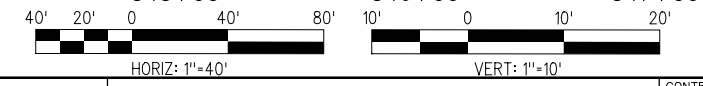
CONTRACT NO	
DRAWING NO T-151	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

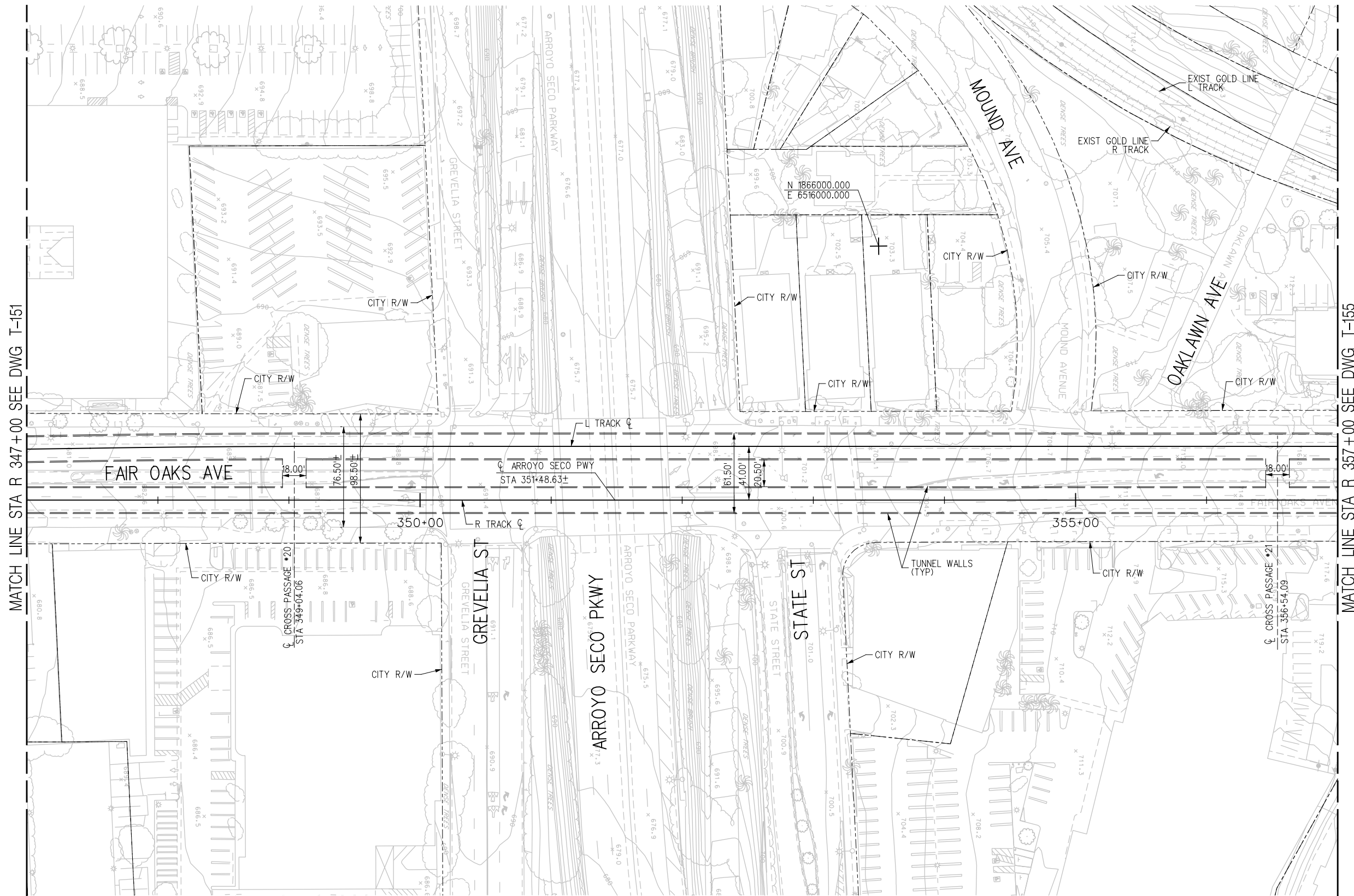
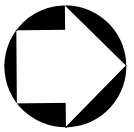
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 337+00 TO STA R 347+00

CONTRACT NO	
DRAWING NO T-152	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:24:36 PM USER:almashatm Plot Driver: M:\HALF-BW-Plot.plt:grg Pentable: M:\HALF-BW.plt

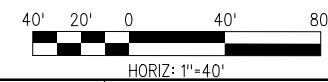


MATCH LINE STA R 347+00 SEE DWG T-151

MATCH LINE STA R 357+00 SEE DWG T-155

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
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DATE 8/12/13

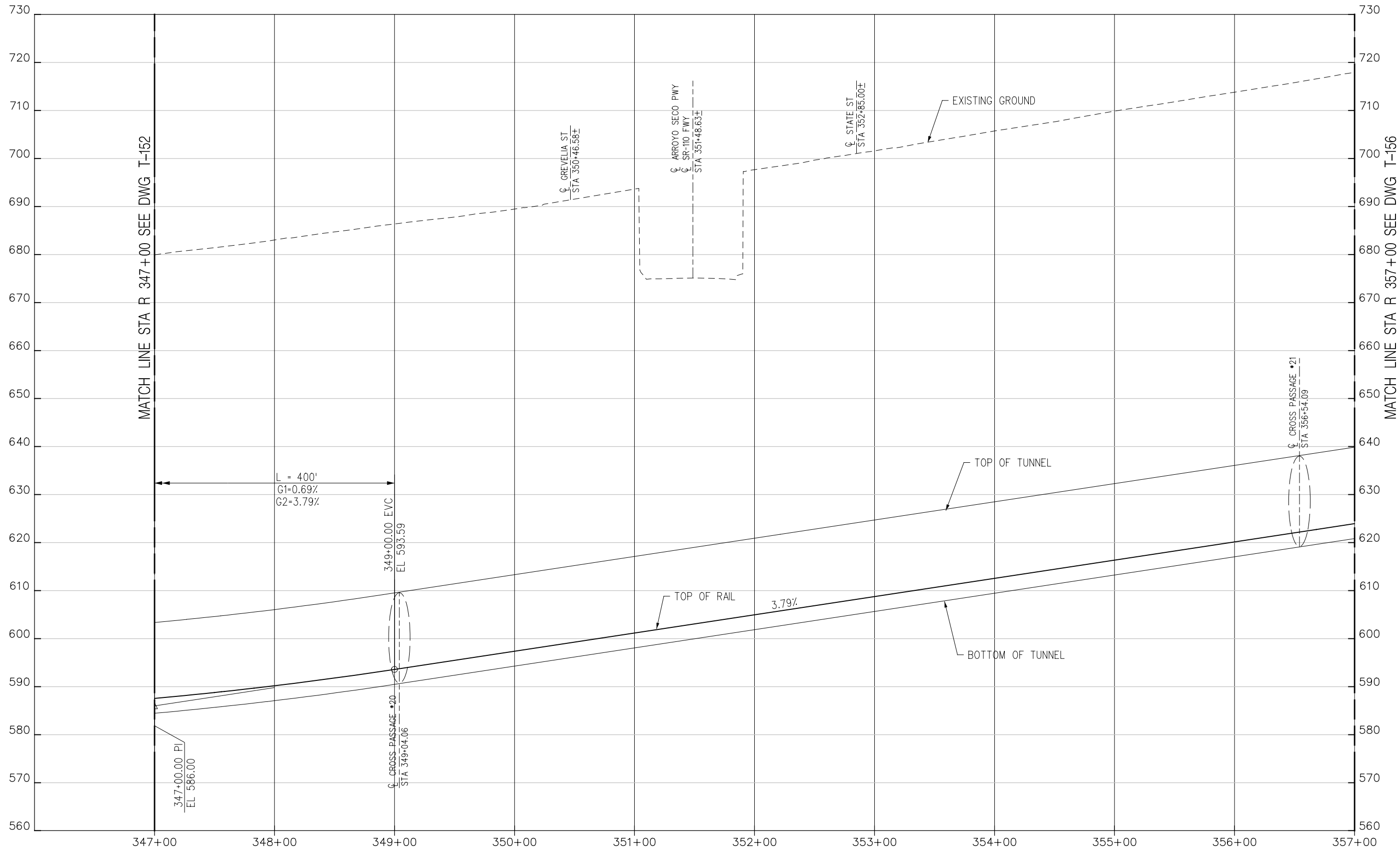


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

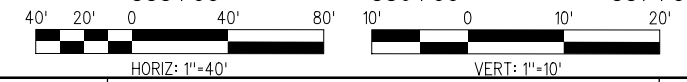
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 347+00 TO STA R 357+00

CONTRACT NO	
DRAWING NO T-153	REV
SCALE 1" = 40'	SHEET NO

Model Name= Default



R TRACK PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
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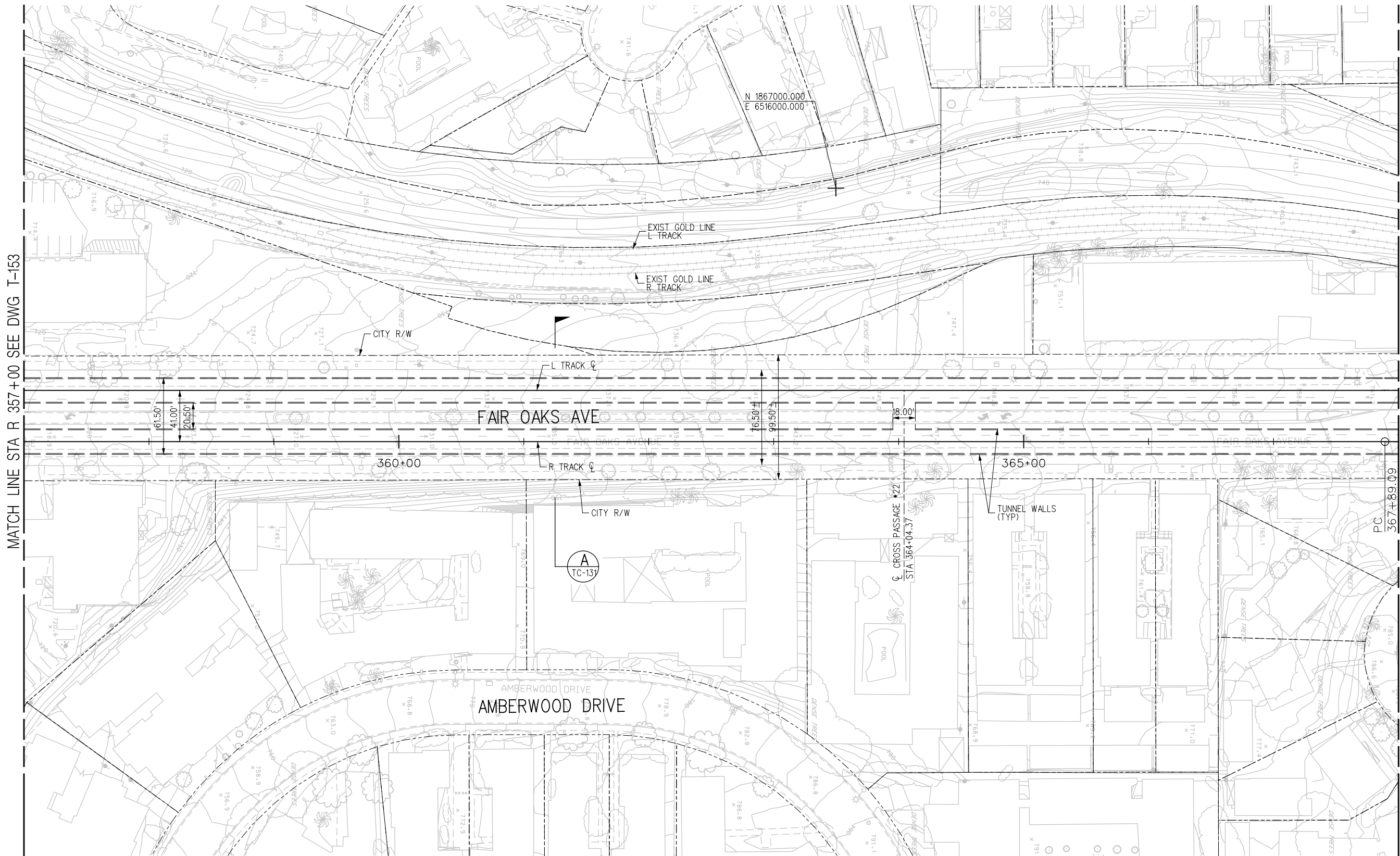
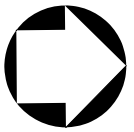


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 347+00 TO STA R 357+00

CONTRACT NO	
DRAWING NO T-154	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

8/8/2013 3:24:55 PM USER=almashatm ...\\track\Sheets\710G_A0-T-154.plg Plot Driver=MAL_HALF-BW-PDF.plt;g Pentable=MAL_HALF.tbl

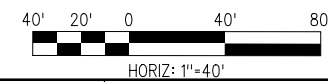


MATCH LINE STA R 357+00 SEE DWG T-153

MATCH LINE STA R 368+00 SEE DWG T-157

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

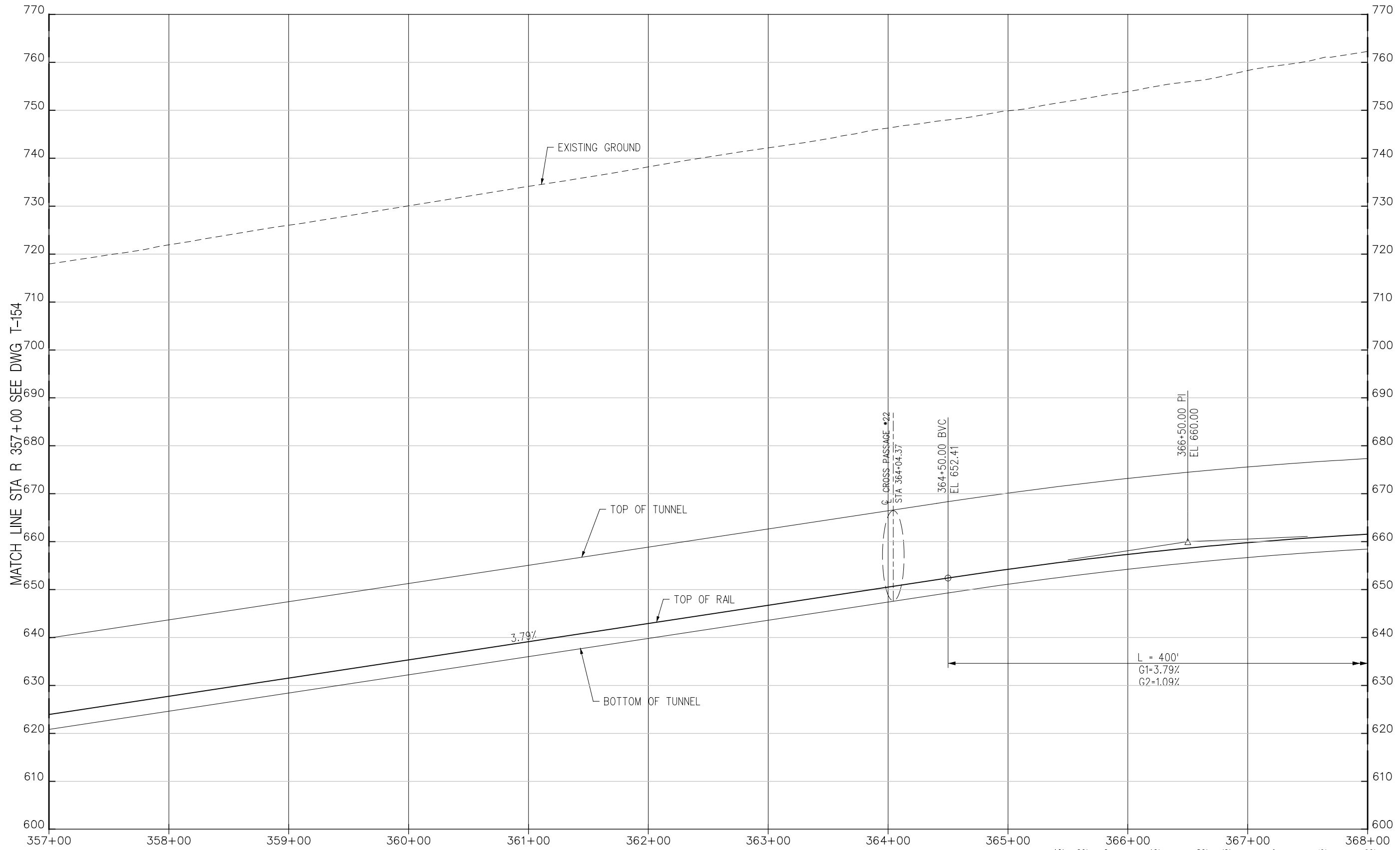


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 357+00 TO STA R 368+00

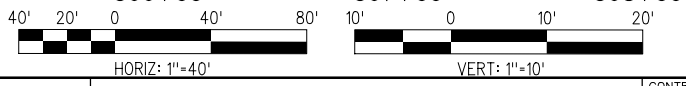
CONTRACT NO
DRAWING NO
T-155
SCALE
1" = 40'
SHEET NO

Model Name = Default



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

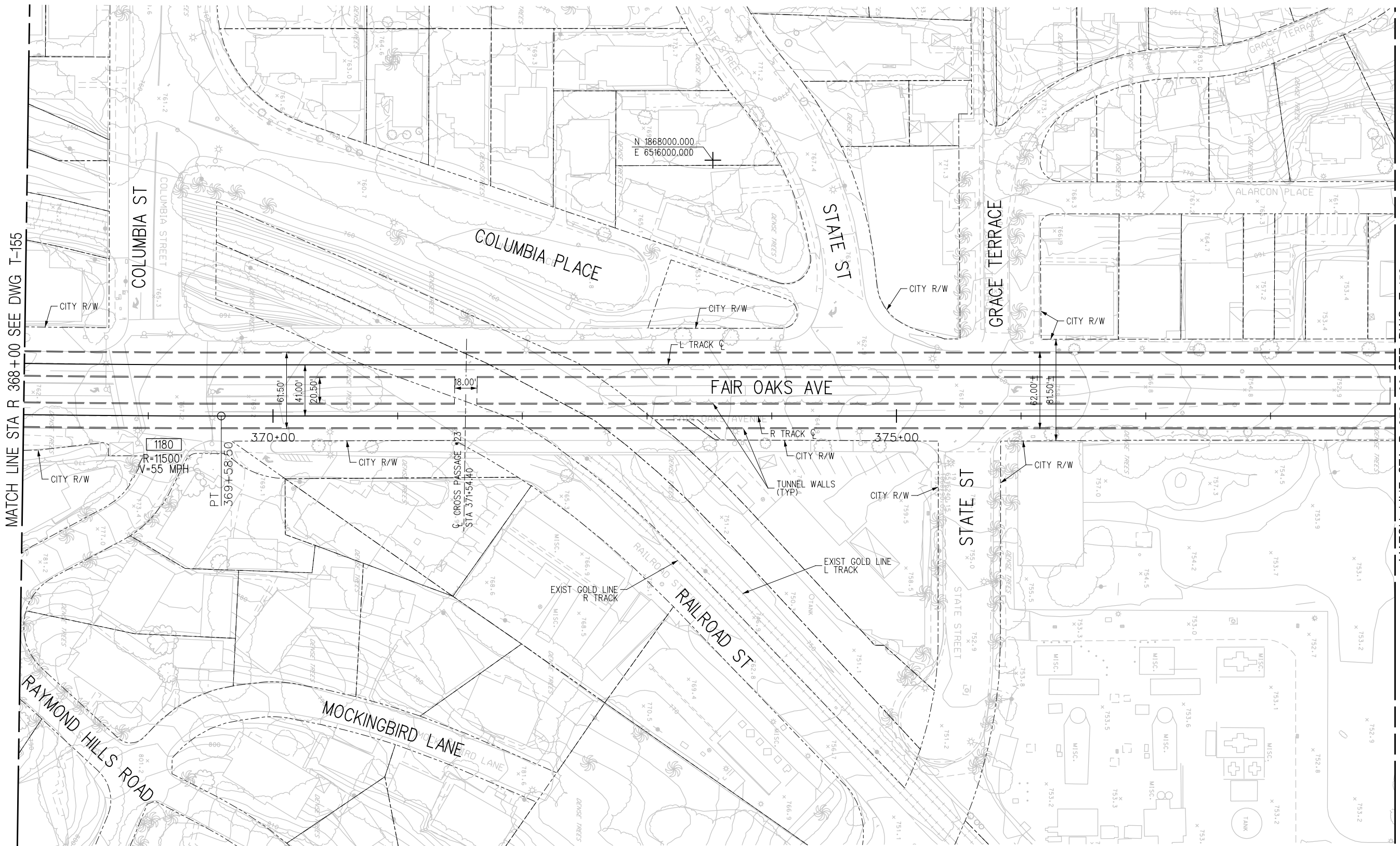
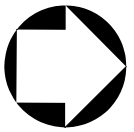
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 357+00 TO STA R 368+00

CONTRACT NO	
DRAWING NO T-156	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:25:14 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt Plot: M:\HALF-BW.plt

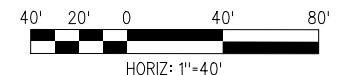


MATCH LINE STA R 368+00 SEE DWG T-155

MATCH LINE STA R 379+00 SEE DWG T-159

N 1868000.000
E 6516000.000

1180
R=11500'
V=55 MPH



PRELIMINARY

PLAN

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV

DRAWN BY
M. AL-MASHAT

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

DATE
8/12/13

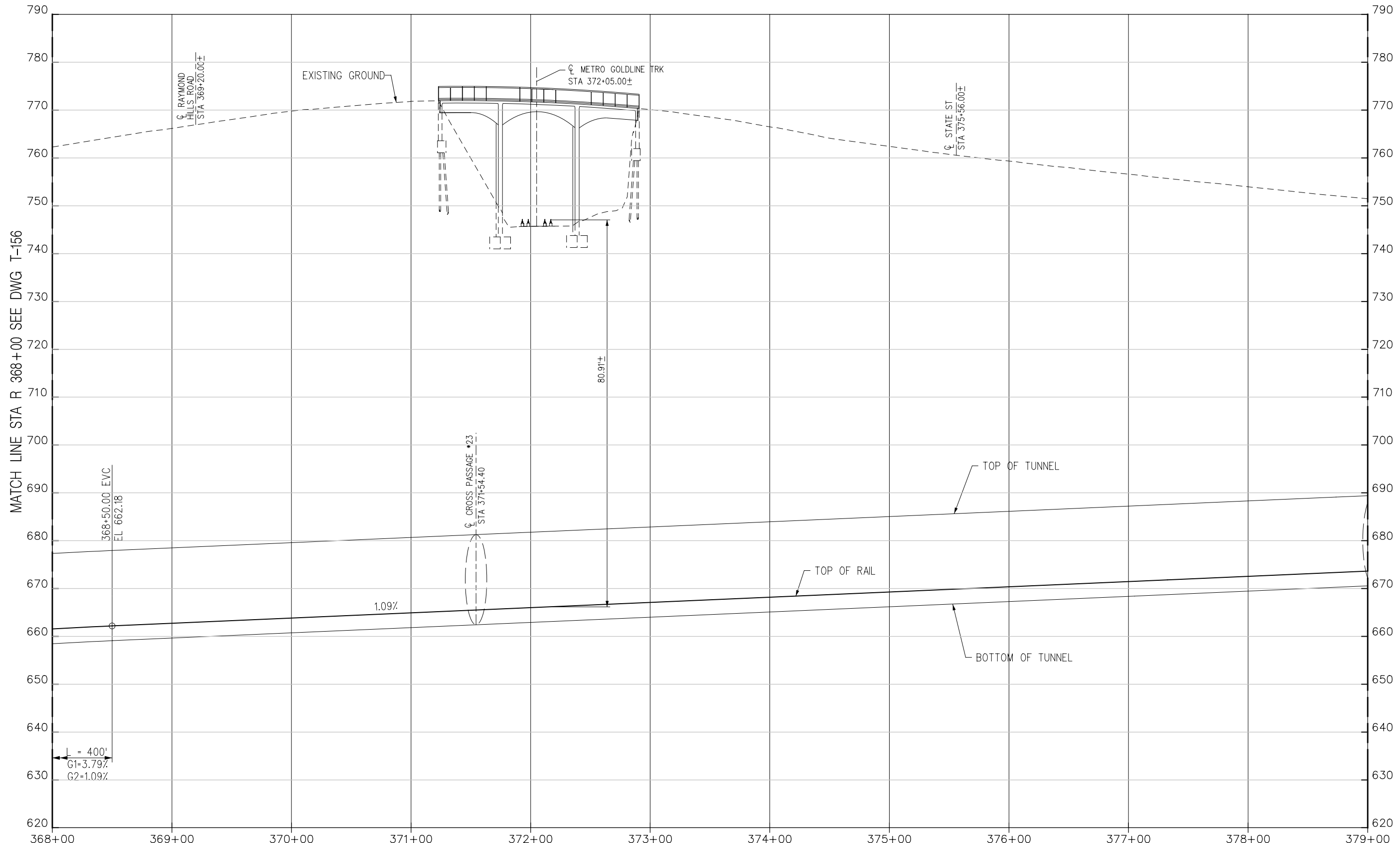


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 368+00 TO STA R 379+00

CONTRACT NO	
DRAWING NO	REV
T-157	
SCALE	
1" = 40'	
SHEET NO	

Model Name= Default

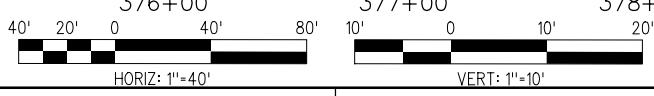


MATCH LINE STA R 368+00 SEE DWG T-156

MATCH LINE STA R 379+00 SEE DWG T-160

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

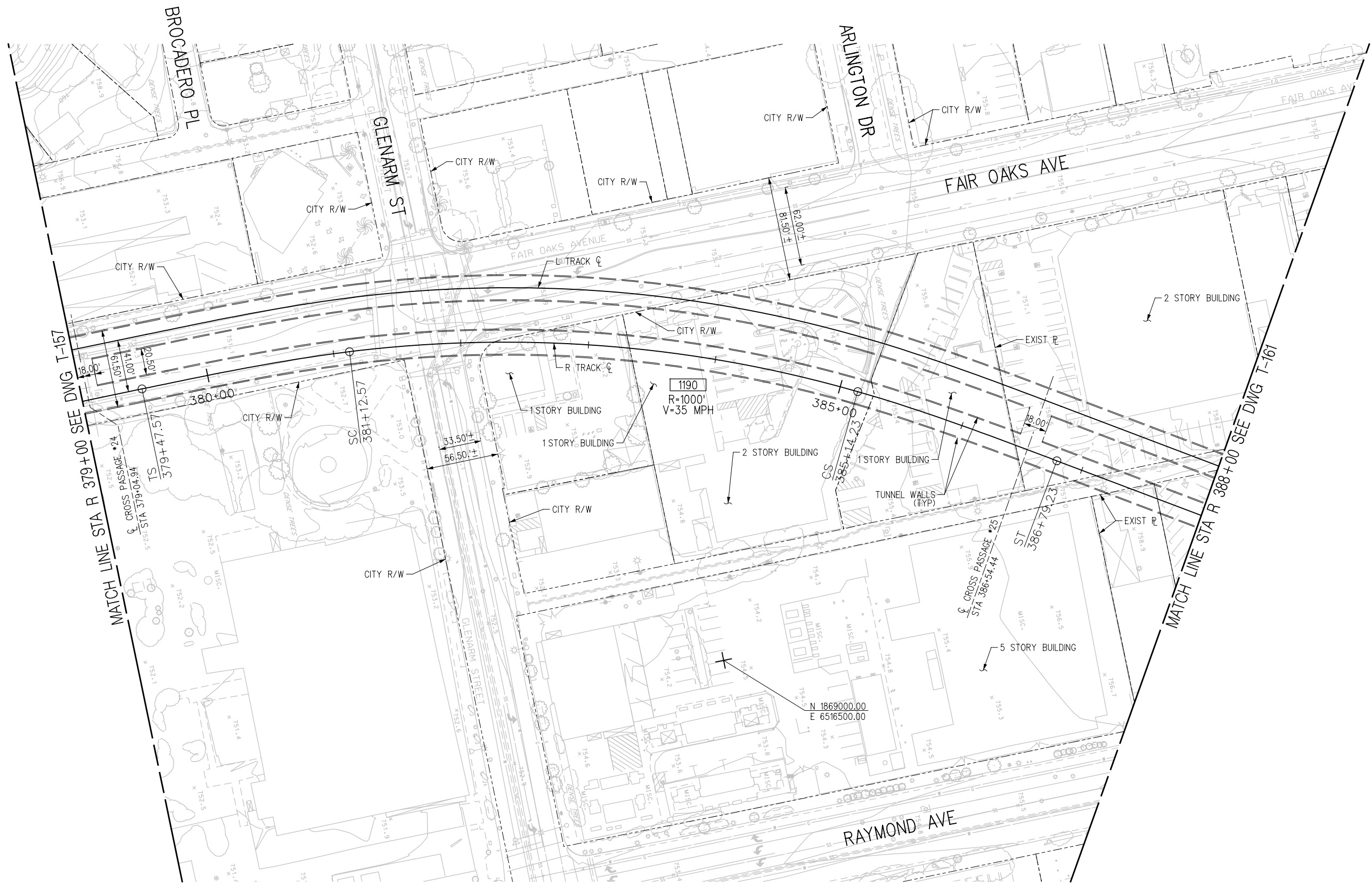
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 368+00 TO STA R 379+00**

CONTRACT NO	
DRAWING NO T-158	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO

8/8/2013 3:25:33 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt Pentable: M:\HALF-BW.plt

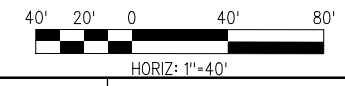


MATCH LINE STA R 379+00 SEE DWG T-157

MATCH LINE STA R 388+00 SEE DWG T-161

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

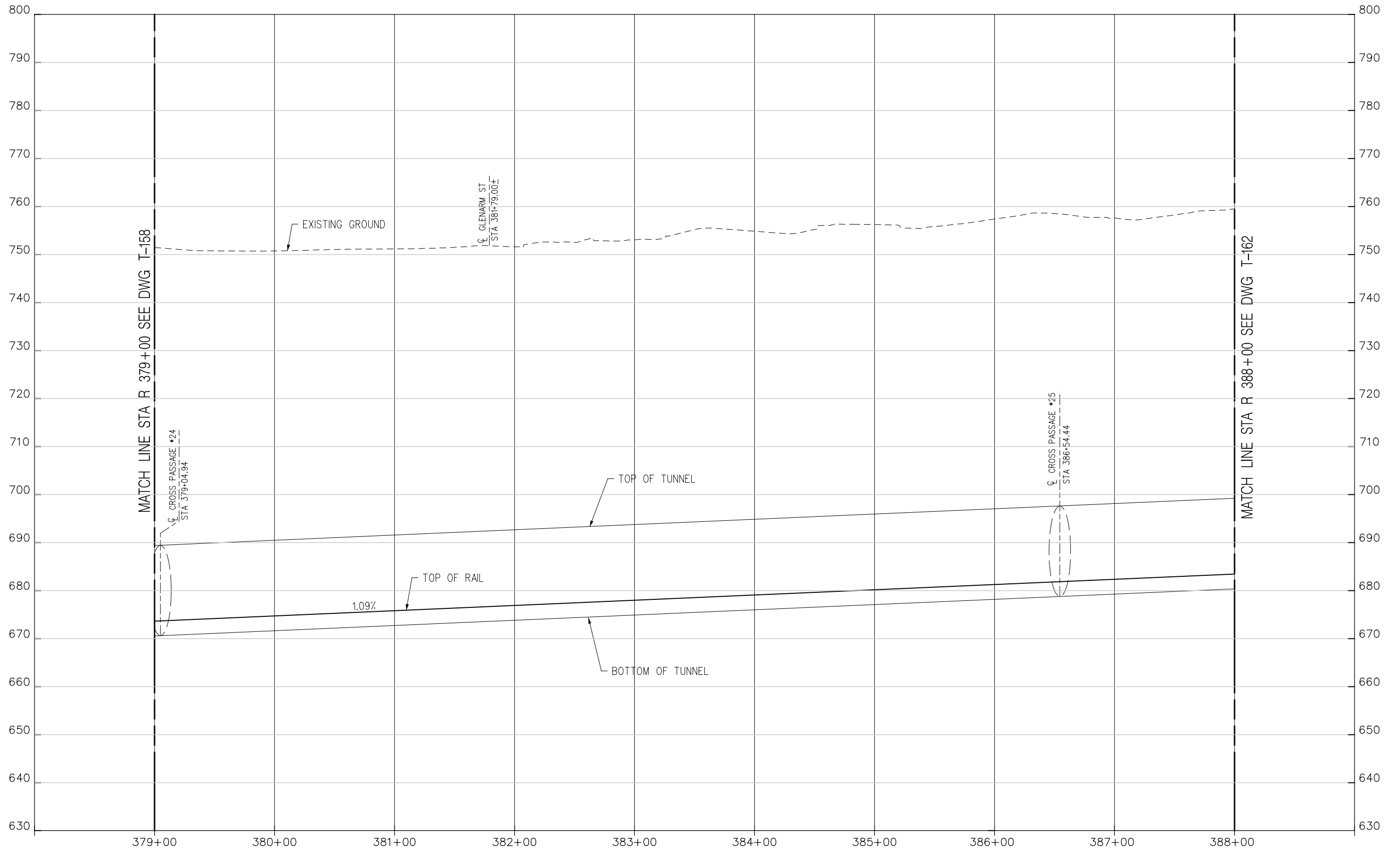

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 379+00 TO STA R 388+00

CONTRACT NO	
DRAWING NO T-159	REV
SCALE 1" = 40'	SHEET NO

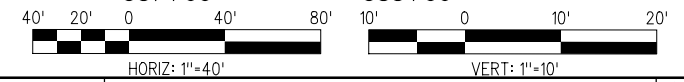
Model Name = Default

8/8/2013 ...:\Track\Sheets\710G_A01-F159.plt Plot Driver= MTLHALF-BW-PDF.plt9 USER=almashatm 3:28:01PM Pentable= MTLHALFWC1B1



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

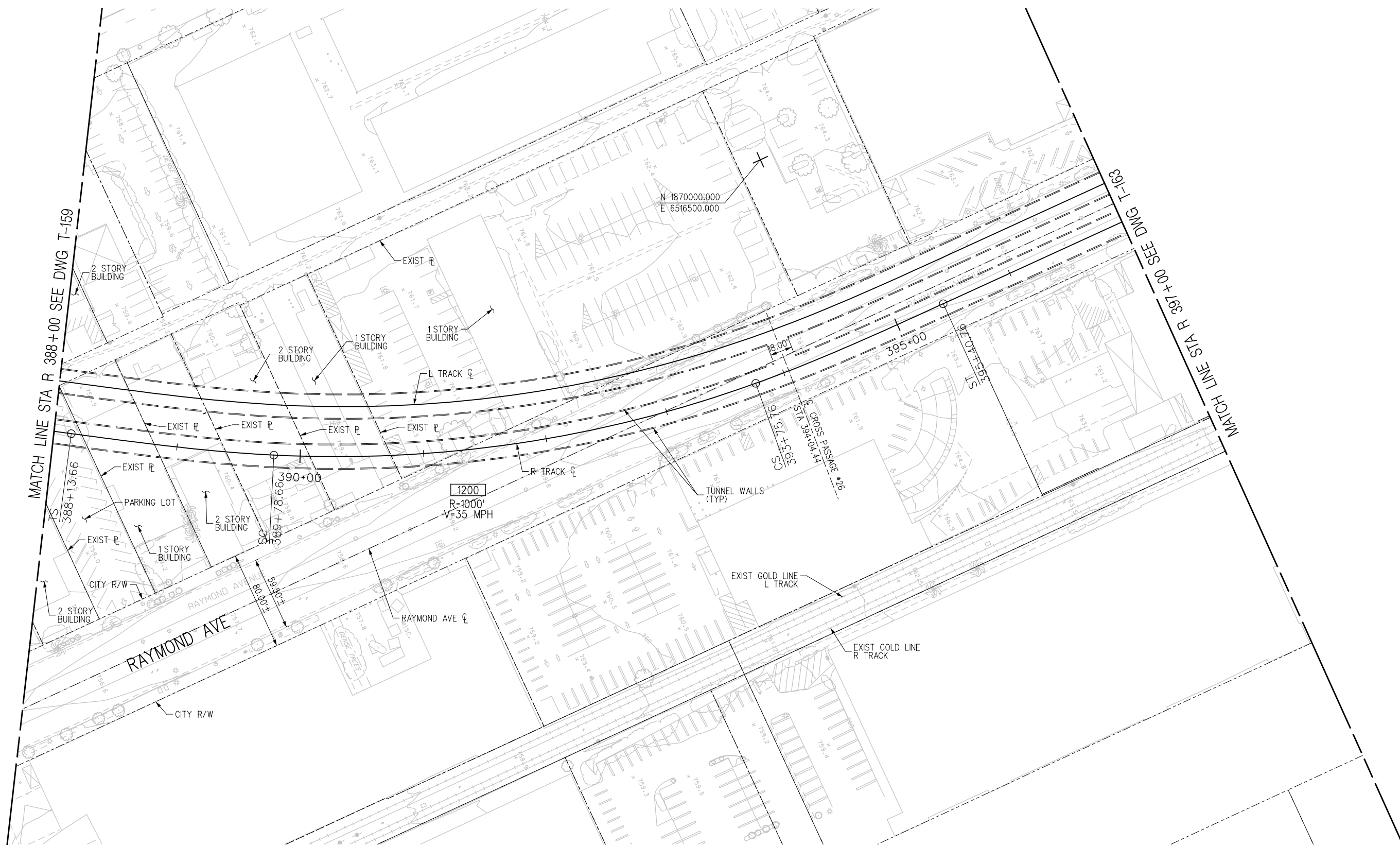
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

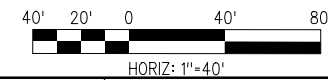
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 379+00 TO STA R 388+00

CONTRACT NO	
DRAWING NO T-160	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO



PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



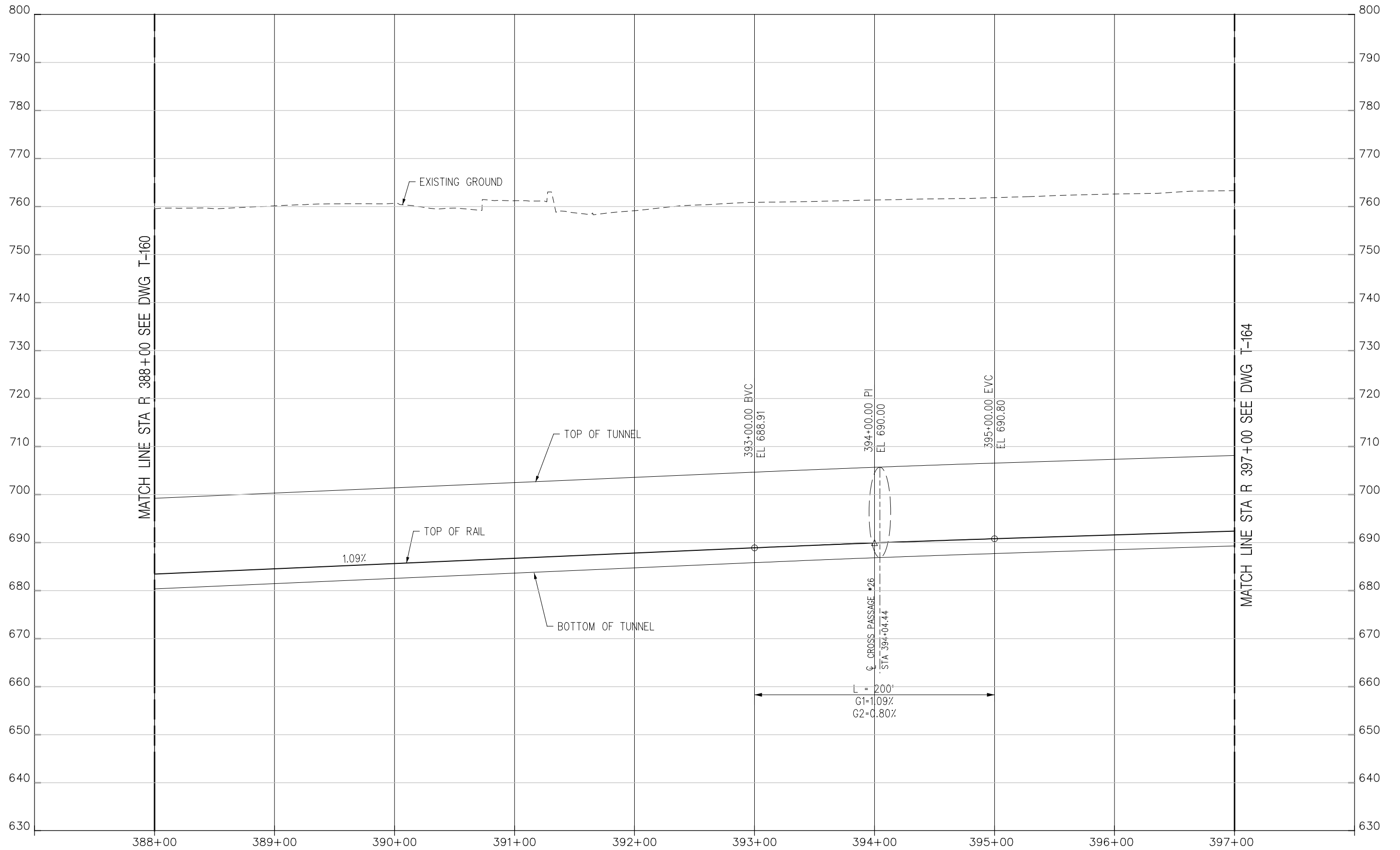
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 388+00 TO STA R 397+00

CONTRACT NO	
DRAWING NO T-161	REV
SCALE 1" = 40'	SHEET NO

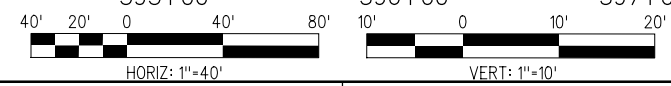
Model Name= Default

8/8/2013 3:26:20 PM USER=almashatm ...\\track\Sheets\710G_AC-T-161.plt Plot Driver= MTLHALF-BW-Plot.plt Pentable= MTLHALF.tbl



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

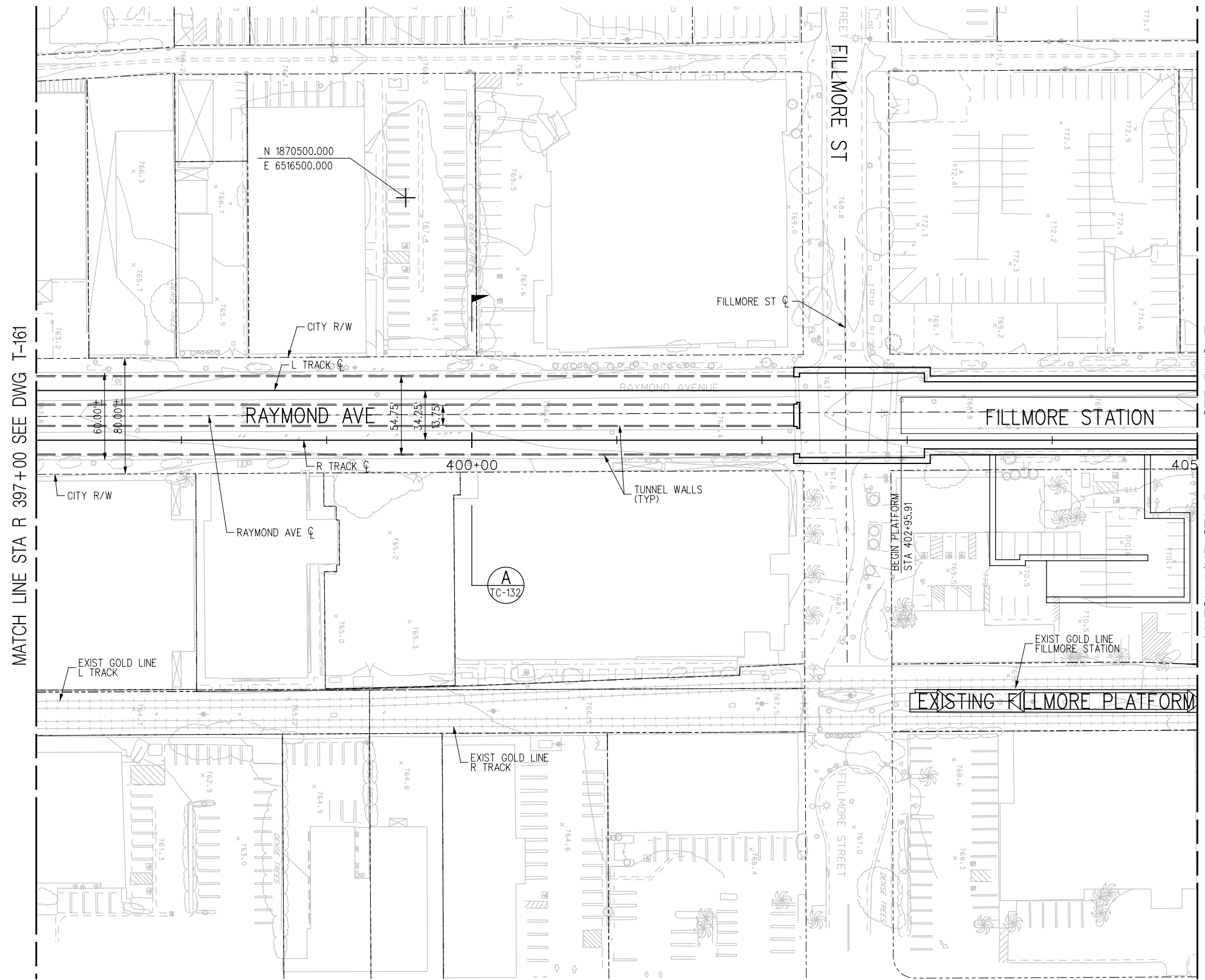
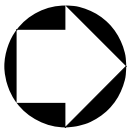
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PROFILE
STA R 388+00 TO STA R 397+00

CONTRACT NO	
DRAWING NO T-162	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

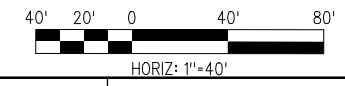


MATCH LINE STA R 397+00 SEE DWG T-161

MATCH LINE STA R 405+00 SEE DWG T-165

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

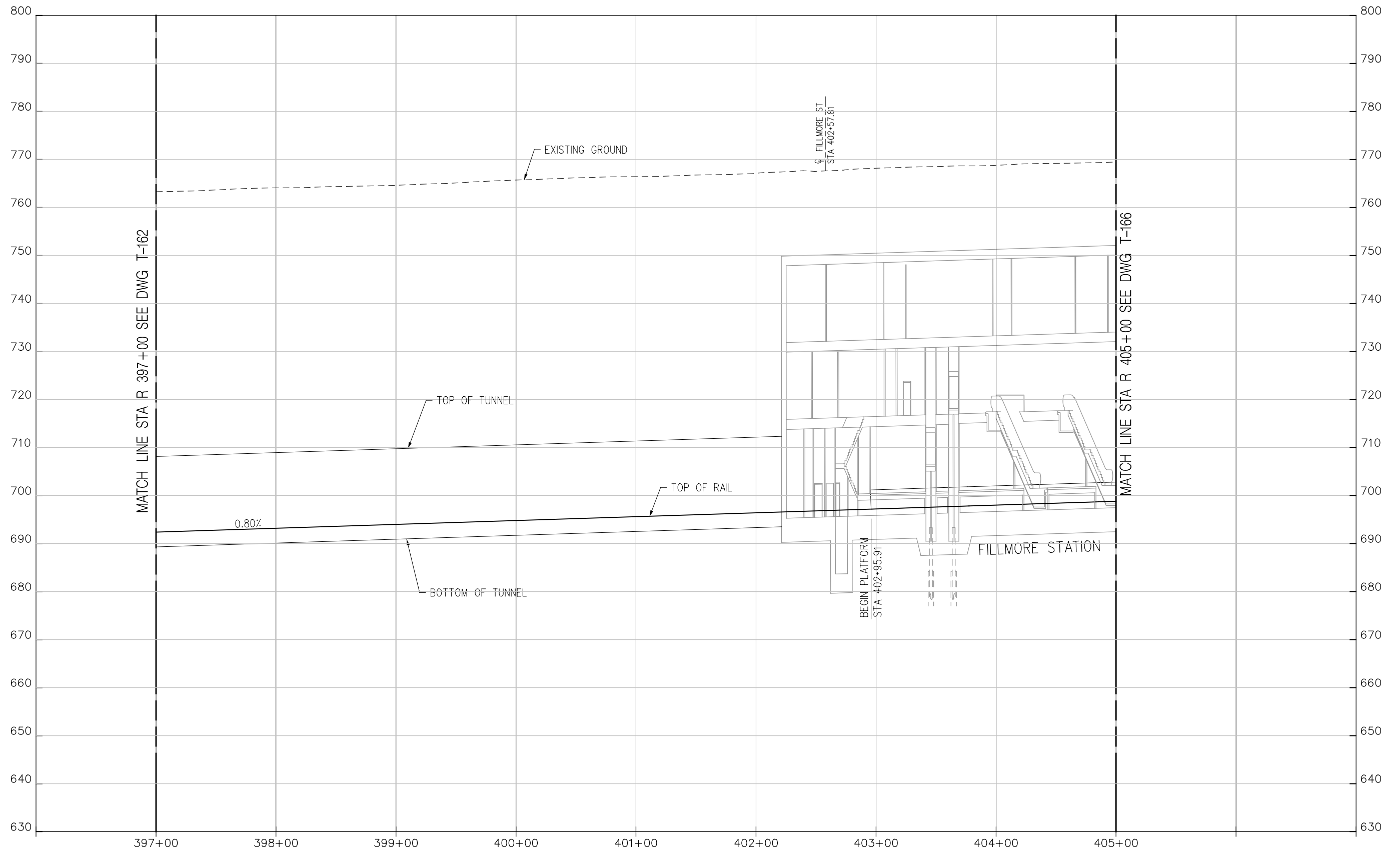
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



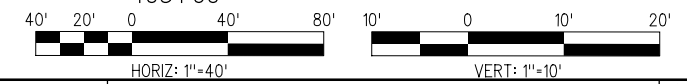
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
PLAN
STA R 397+00 TO STA R 405+00

CONTRACT NO	
DRAWING NO T-163	REV
SCALE 1" = 40'	SHEET NO



PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

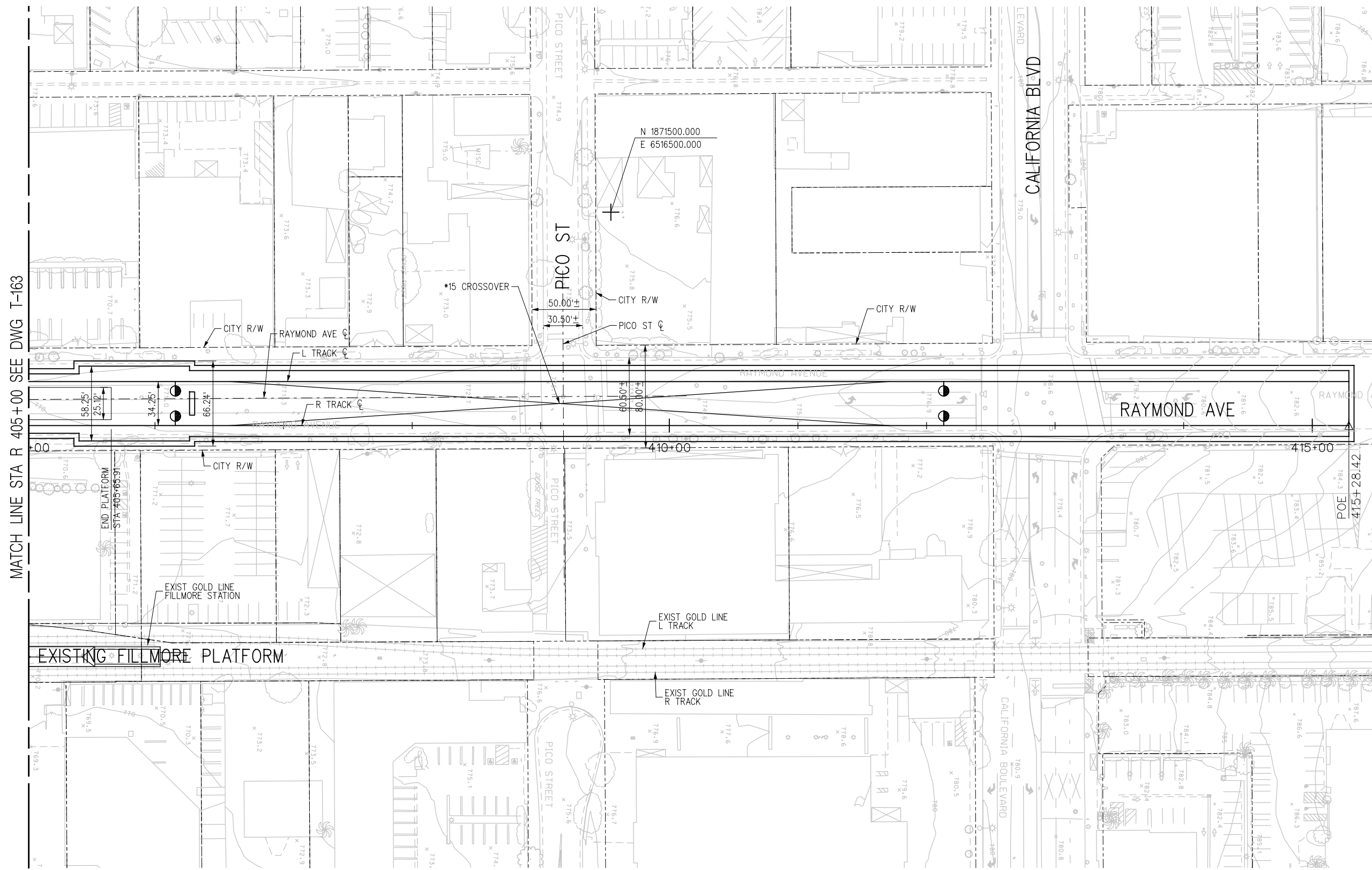
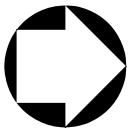
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 397+00 TO STA R 405+00

CONTRACT NO	
DRAWING NO T-164	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

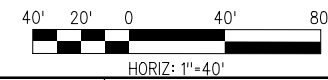
8/8/2013 3:26:46 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt;g Pentable: M:\HALF-BW.plt



MATCH LINE STA R 405+00 SEE DWG T-163

PRELIMINARY

PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

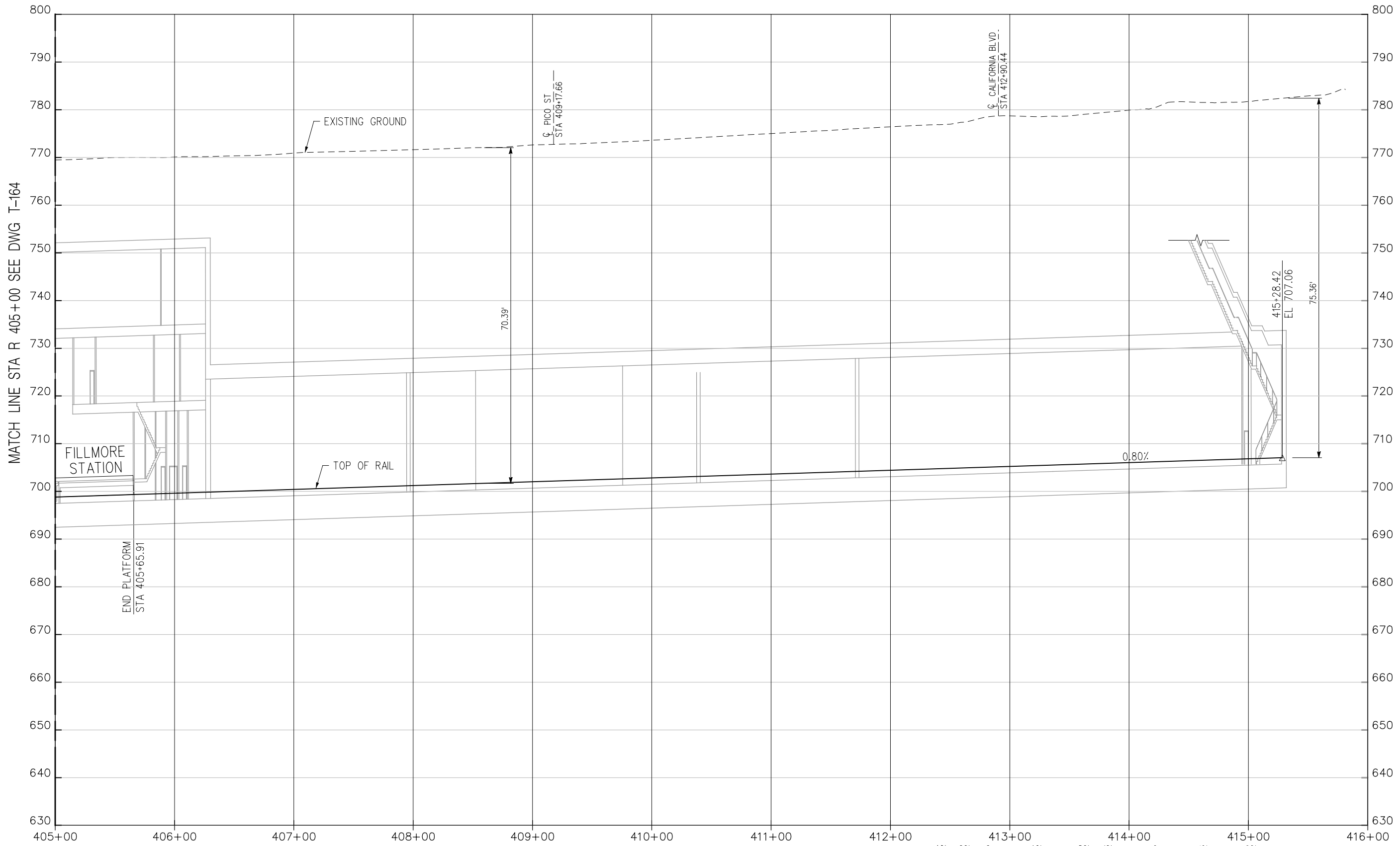

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PLAN
 STA R 405+00 TO STA R 415+28

CONTRACT NO	
DRAWING NO T-165	REV
SCALE 1" = 40'	
SHEET NO	

Model Name= Default

2/7/2014 12:26:05 PM USER=dvartadot Plot Driver= M:\HALF_BW_PDF.plt9 Pentable= M:\HALF_BW.plt9



MATCH LINE STA R 405+00 SEE DWG T-164

PRELIMINARY

R TRACK PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					
						METRO COMMENTS
						DESCRIPTION

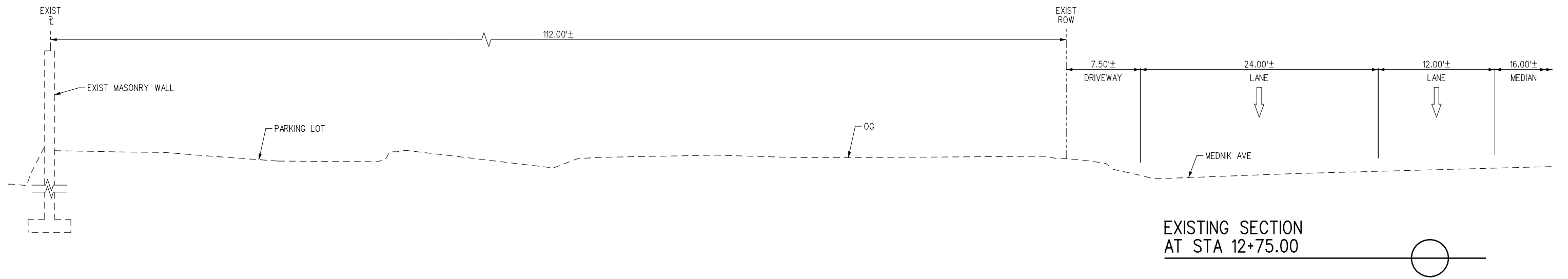
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

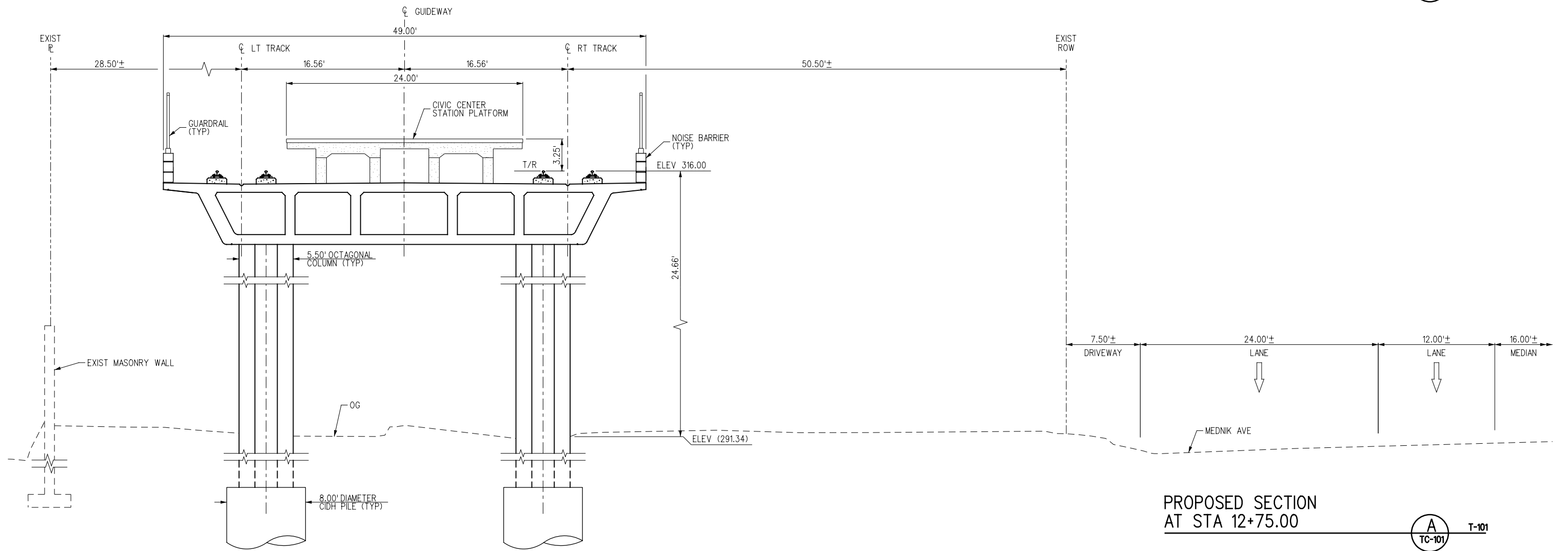
SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 PROFILE
 STA R 405+00 TO STA R 415+28

CONTRACT NO	
DRAWING NO T-166	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

USER=alvarado001 2/7/2014 12:26:11 PM ...\\d0174347106-AC-T-166.plg Plot Driver= MTA_HALF-BW-PDF.plt16g Pentable= MTA_HALF-BW161



EXISTING SECTION
AT STA 12+75.00



PROPOSED SECTION
AT STA 12+75.00

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

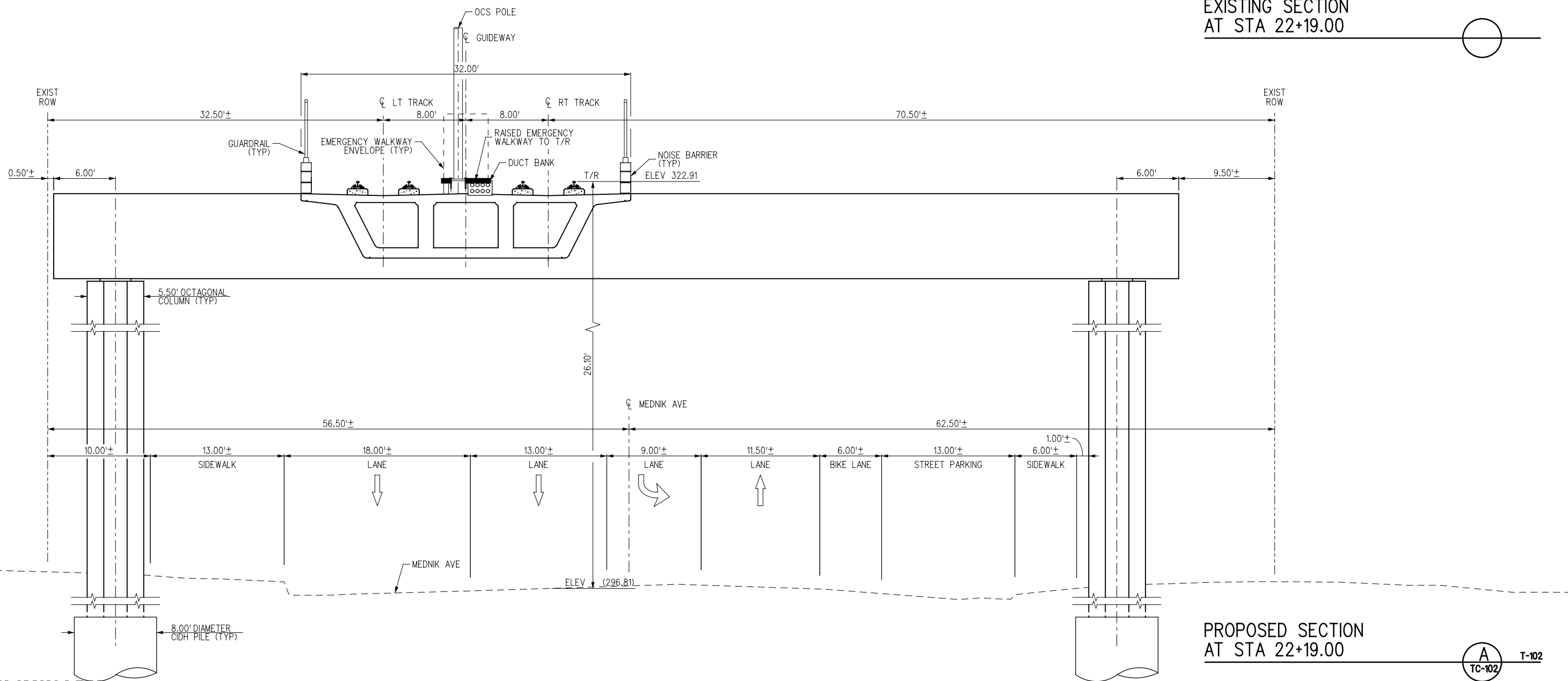
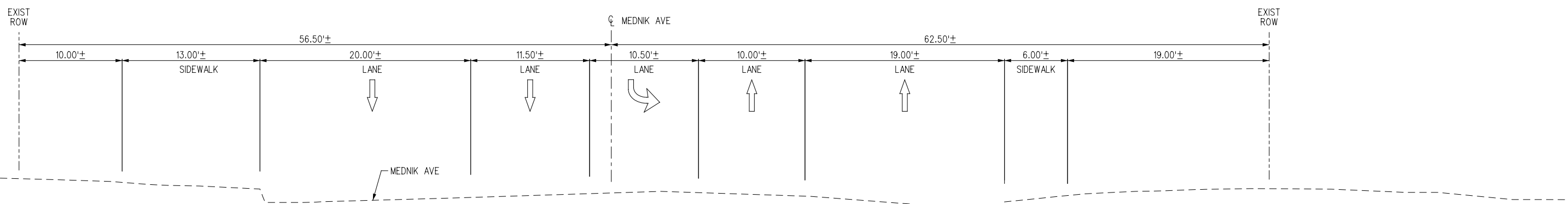
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 1 OF 32**

CONTRACT NO	
DRAWING NO TC-101	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

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PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

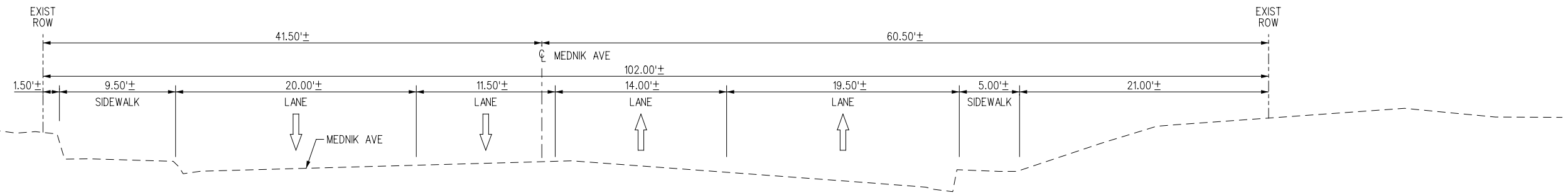
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 2 OF 32

CONTRACT NO	
DRAWING NO TC-102	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

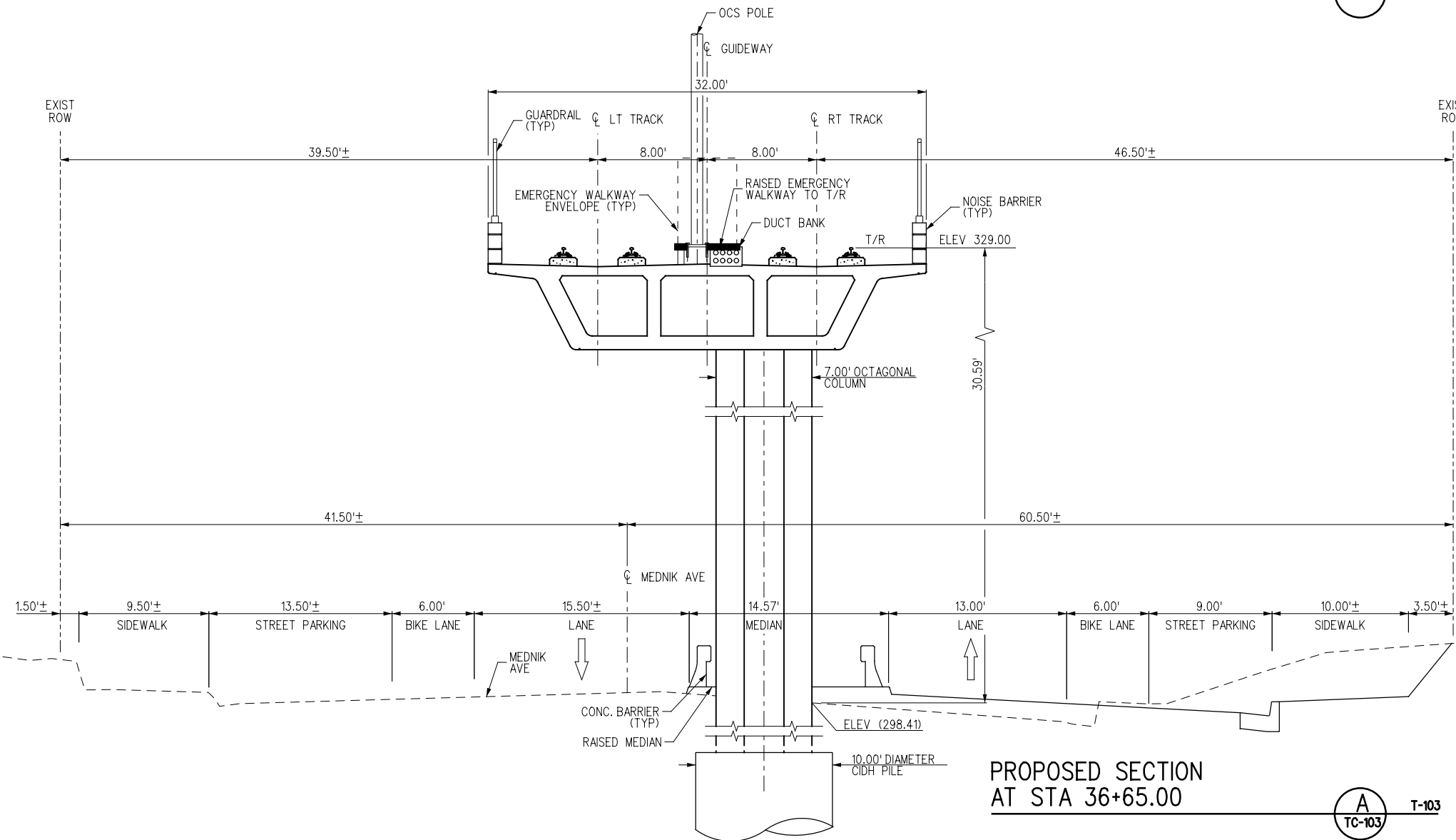
A
TC-102 T-102

ModelName= Default

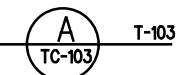
8/8/2013 3:27:44 PM USER=almashatm ...\\Sheets\710G-AC-TC-102.plt Plot Driver= M:\HALF-BW-PDF.plt



EXISTING SECTION
AT STA 36+65.00



PROPOSED SECTION
AT STA 36+65.00



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

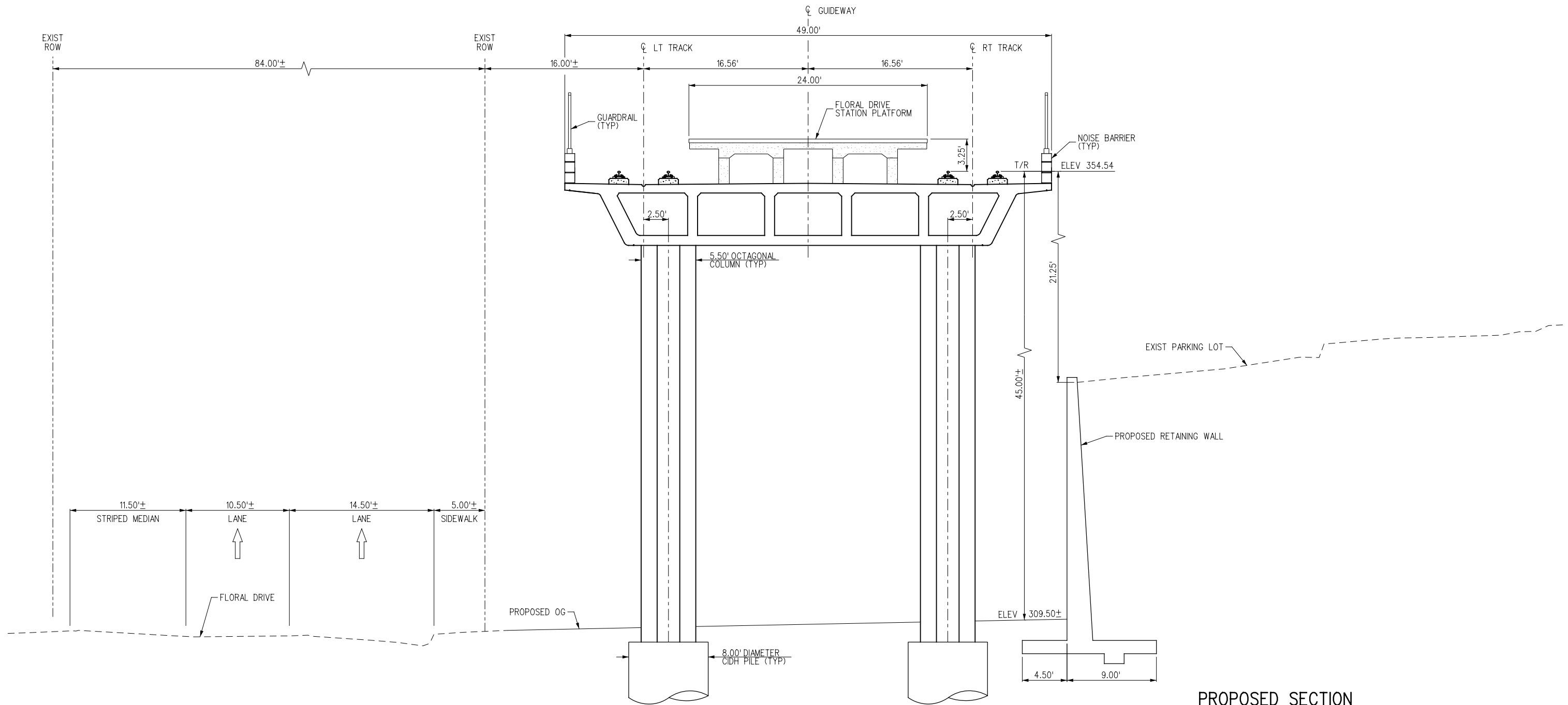
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 3 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-103	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	



PROPOSED SECTION
AT STA 52+90.00

A
TC-104 T-105

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

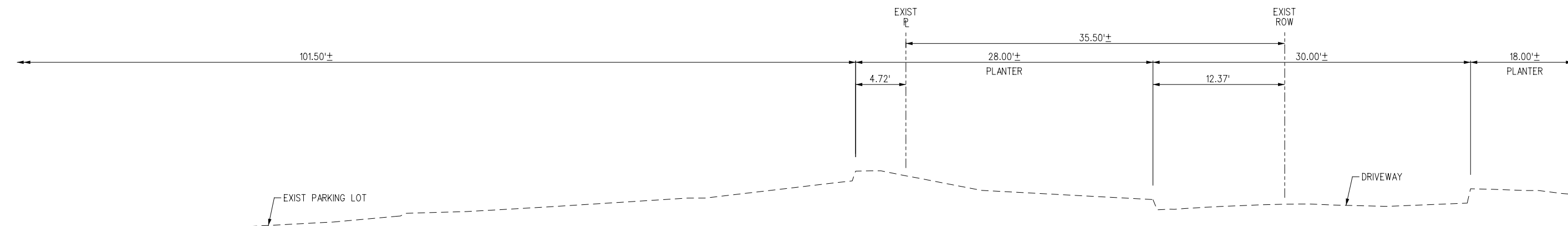
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

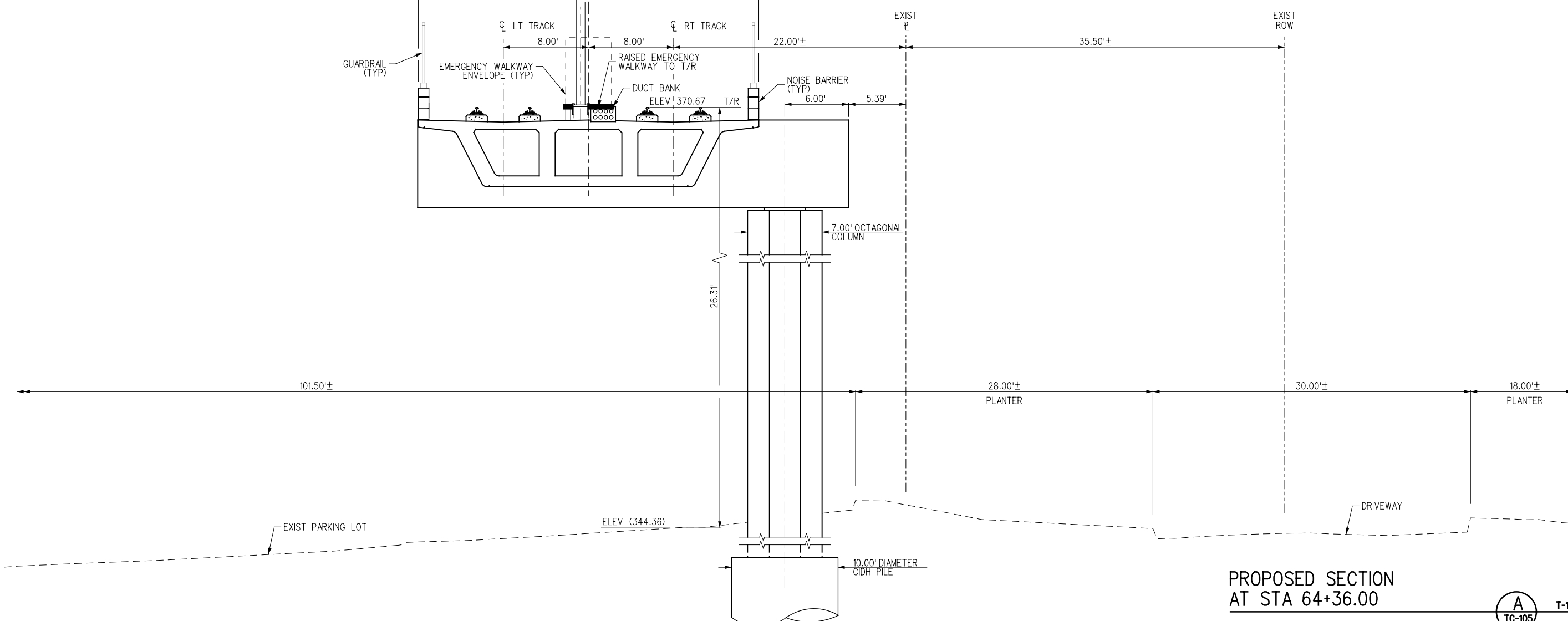
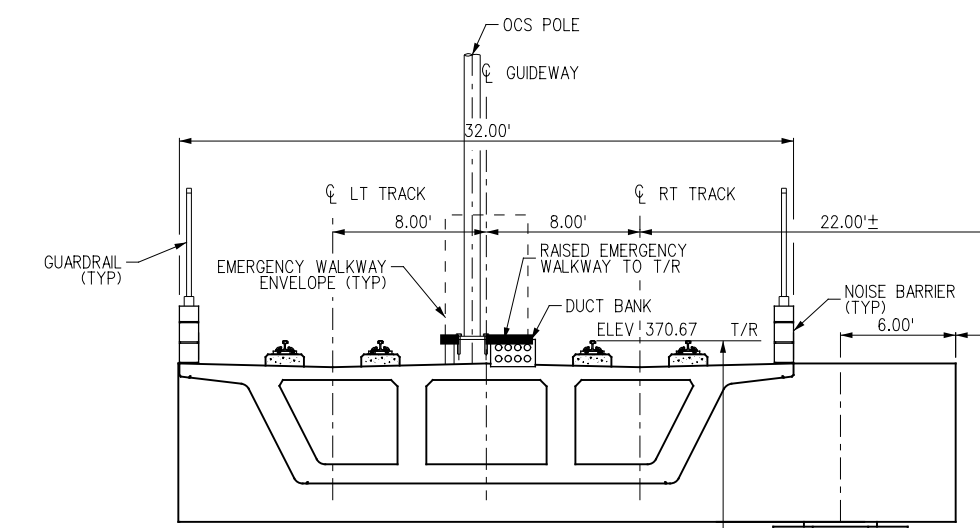
SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 4 OF 32

CONTRACT NO	
DRAWING NO TC-104	REV
SCALE HORIZ: 1"=5' VERT: NTS	SHEET NO

8/8/2013 3:28:00 PM USER=jmashatm ...\\Sheets\710G-AC-TC-104.plt Plot Driver=MTA_HALF-BW_PDF.plt Pentable=MTA_HALF.tbl



**EXISTING SECTION
AT STA 64+36.00**



**PROPOSED SECTION
AT STA 64+36.00**

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

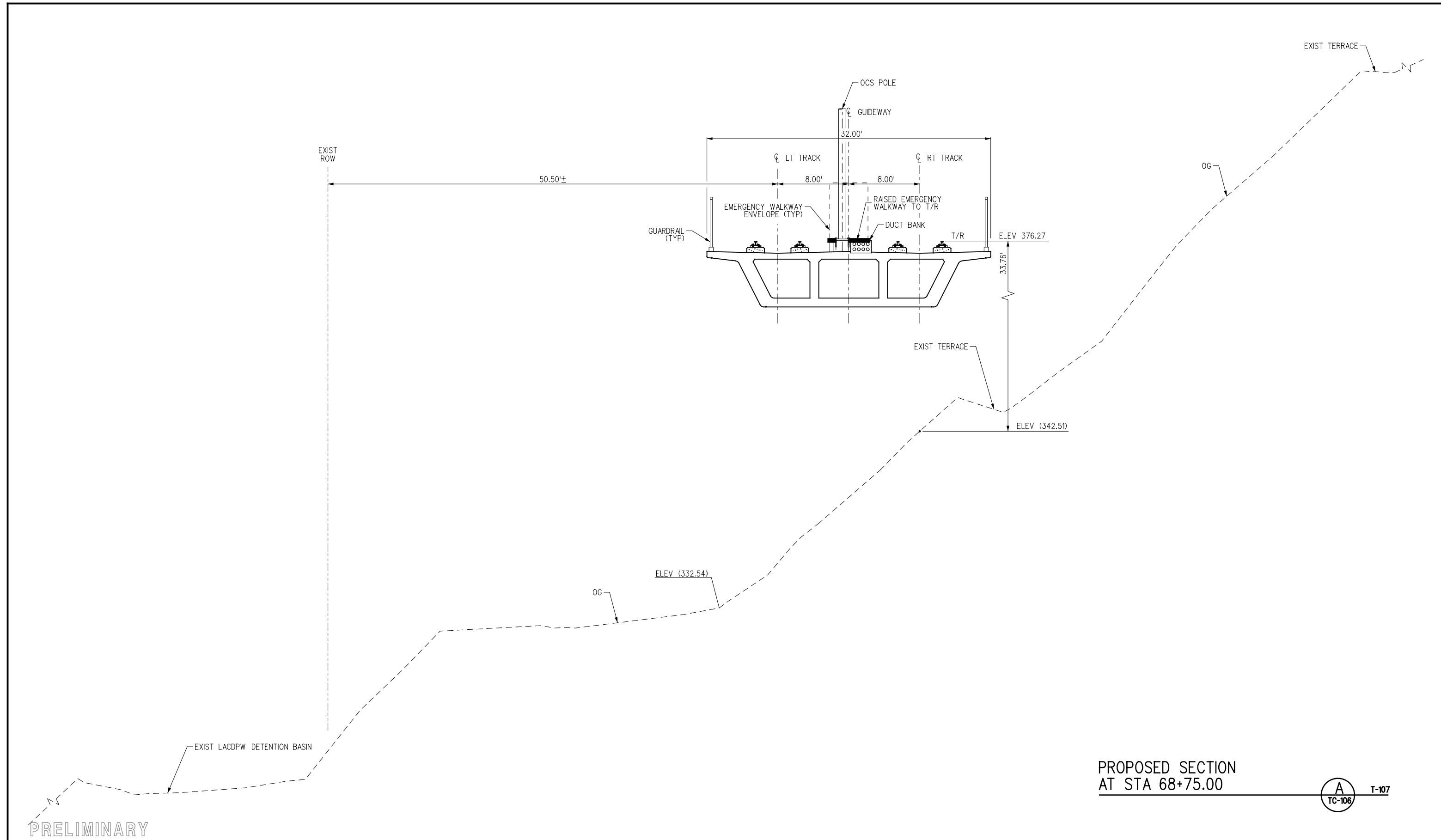
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 5 OF 32**

CONTRACT NO	
DRAWING NO TC-105	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

8/8/2013 3:28:07 PM USER=almashatm ...\\Sheets\710G-AC-TC-105.plt



PROPOSED SECTION
AT STA 68+75.00

A
TC-106 T-107

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

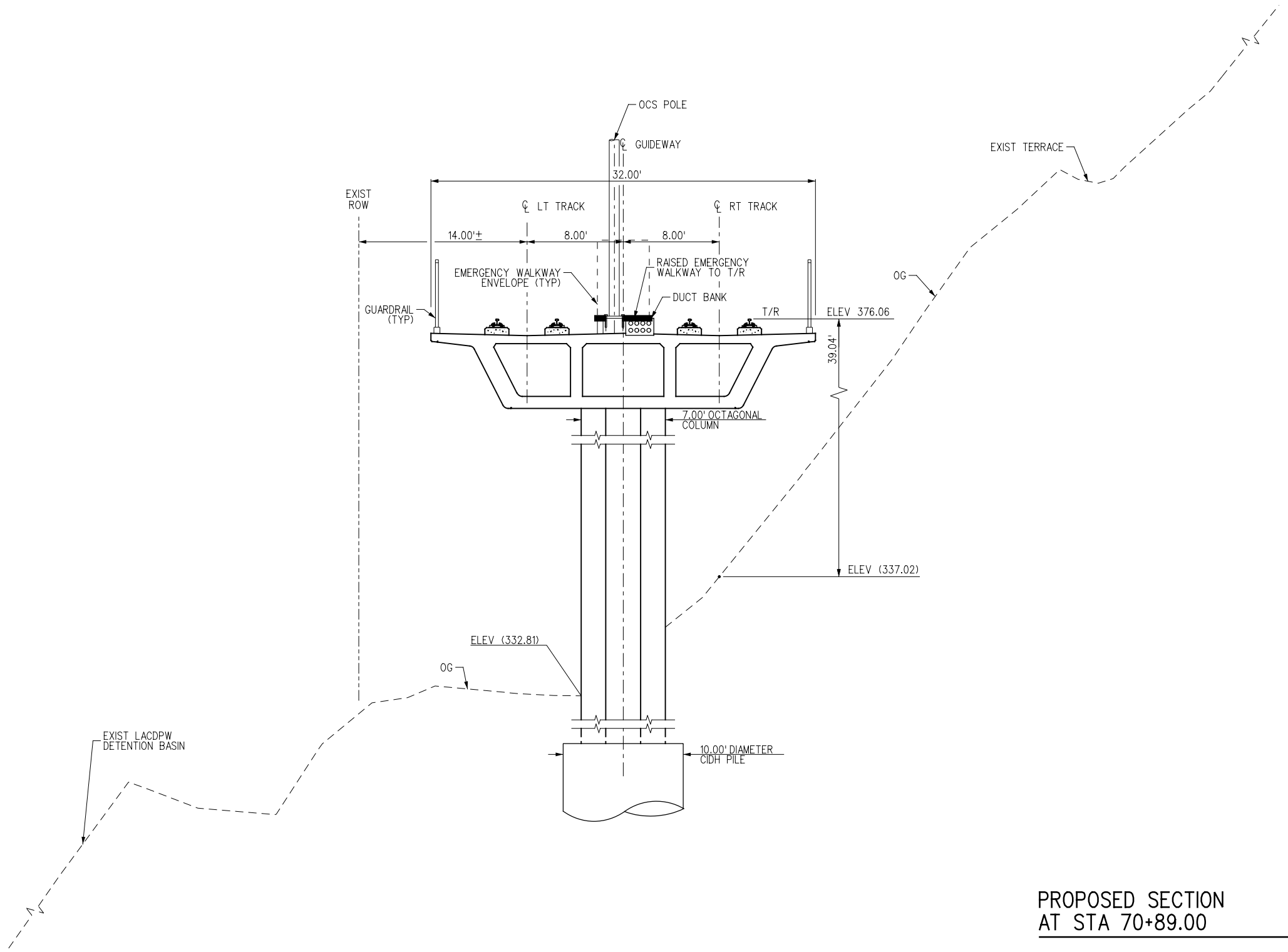
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

M Metro
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 6 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-106	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

8/8/2013 3:28:15 PM USER=jmashatm ...\\Sheets\710G-AC-TC-106.plt Plot Driver=MTA_HALF-BW_PDF.plt Pentable=MTA_HALF.tbl



PROPOSED SECTION
AT STA 70+89.00

B
TC-107 T-107

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

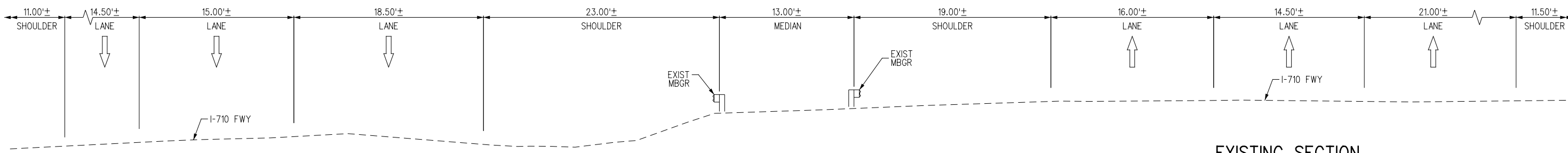
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

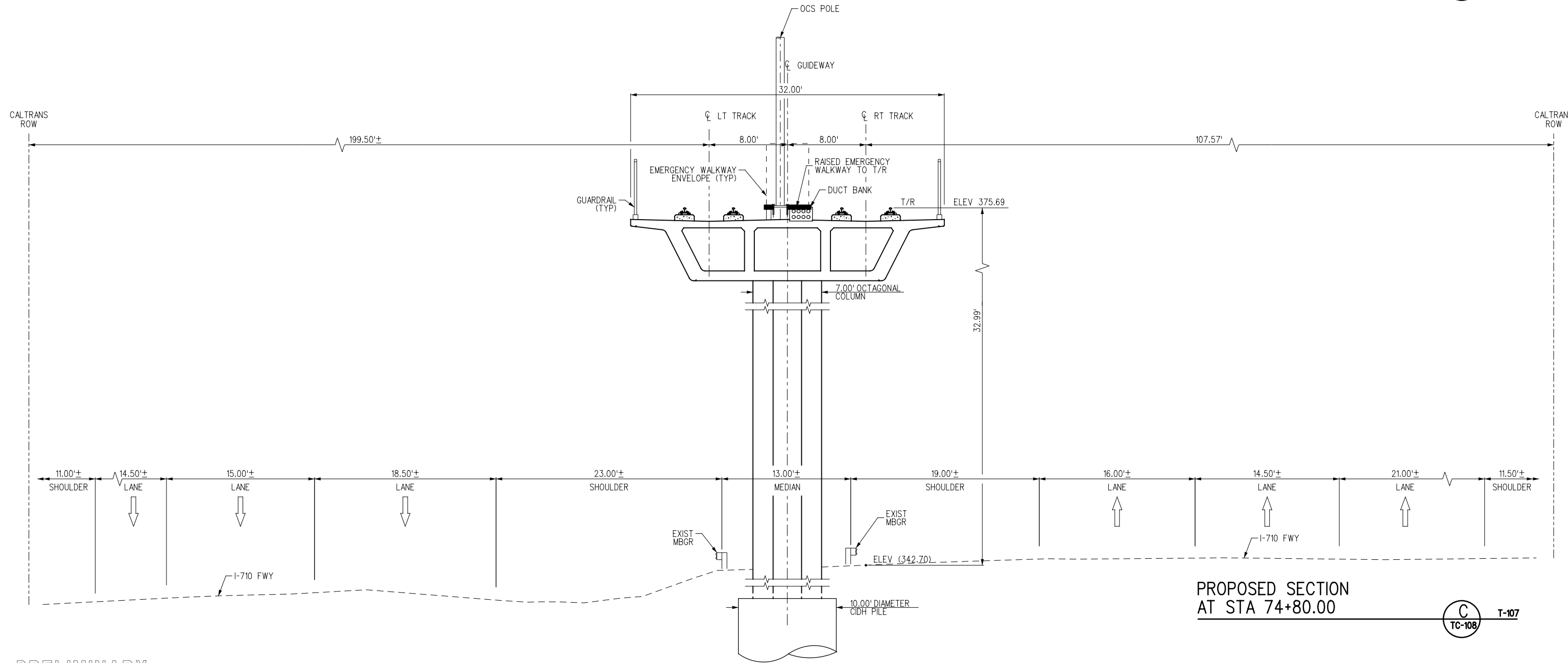
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 7 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-107	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.



EXISTING SECTION
AT STA 74+80.00



PROPOSED SECTION
AT STA 74+80.00

PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

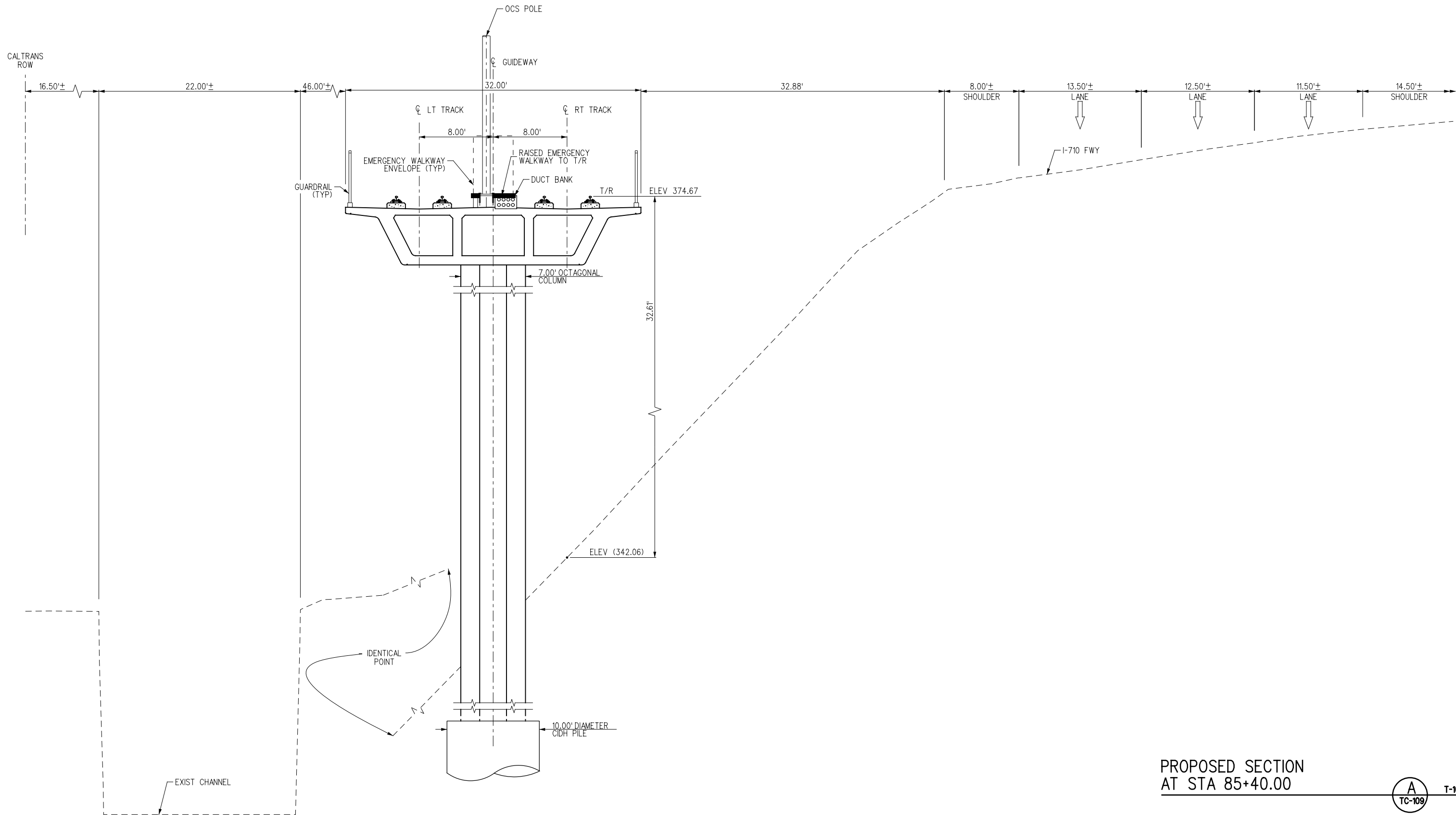
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 8 OF 32

CONTRACT NO	
DRAWING NO TC-108	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

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PROPOSED SECTION
AT STA 85+40.00

A
TC-109 T-108

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

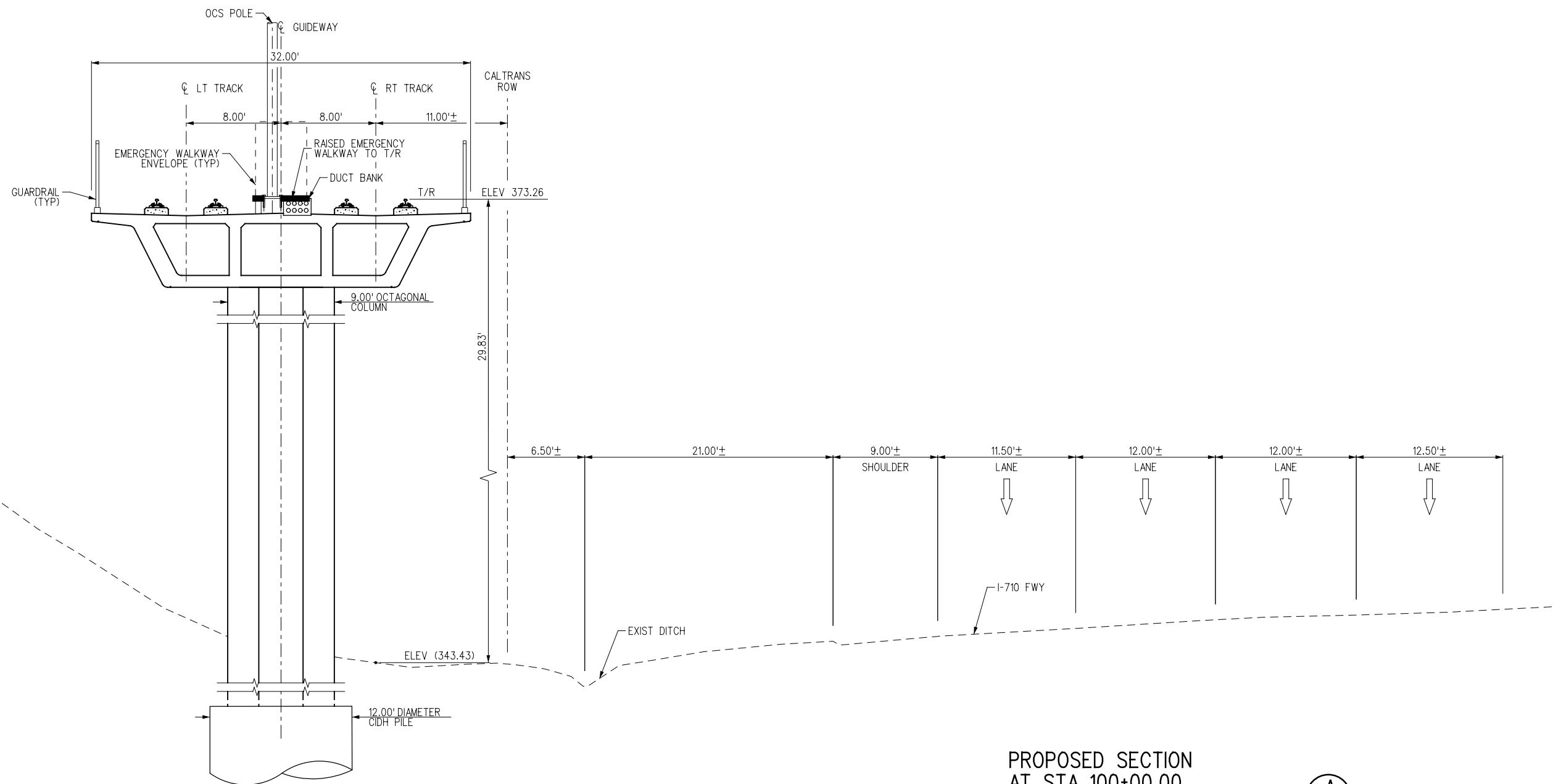
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 9 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-109	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	



PROPOSED SECTION
AT STA 100+00.00

A
TC-110 T-110

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

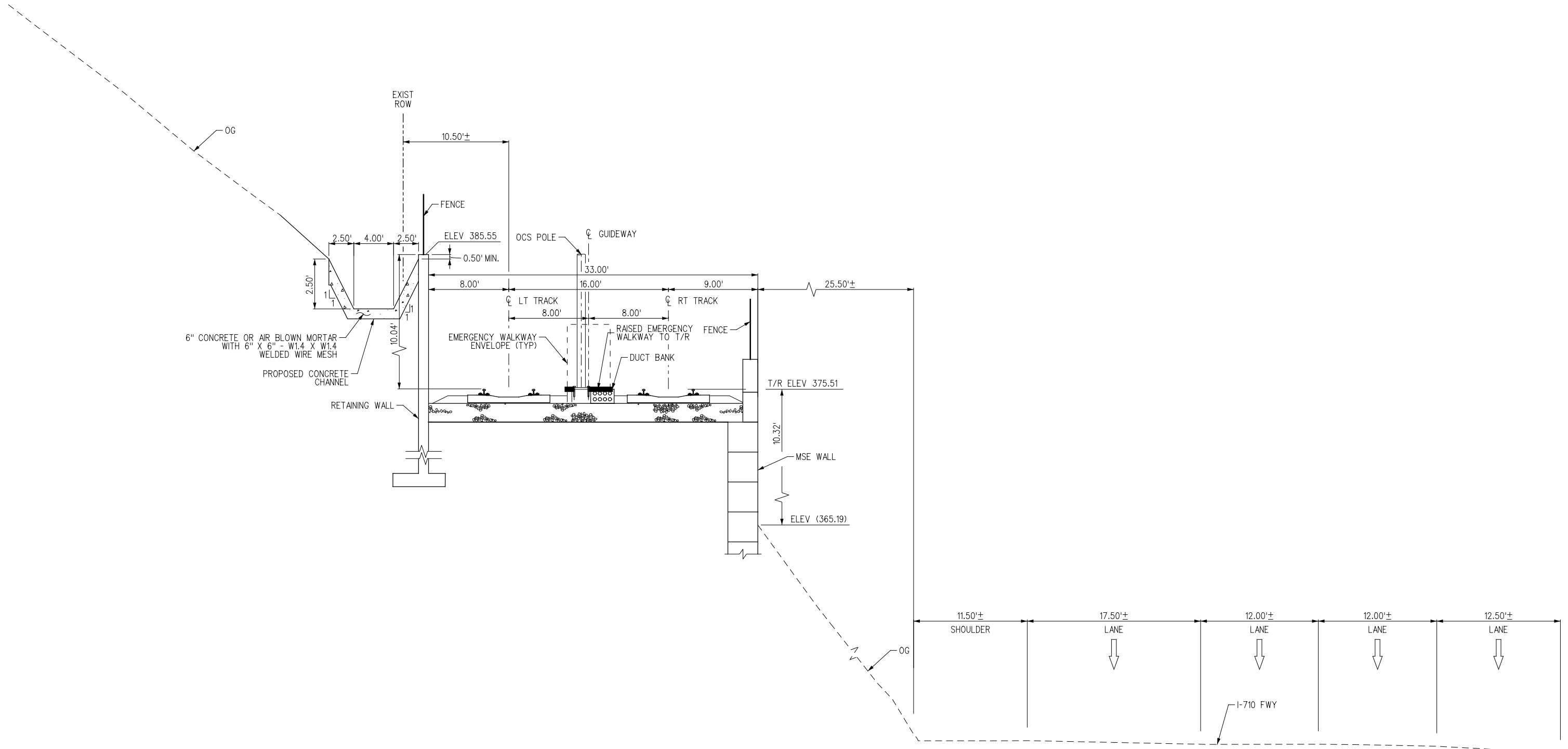
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 10 OF 32

CONTRACT NO	
DRAWING NO TC-110	REV
SCALE HORIZ: 1"=5'	VERT: NTS
SHEET NO	

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

8/8/2013 3:28:46 PM USER:almashatm ...:\Sheets\710G-AC-TC-110.plt Plot Driver= MTA_HALF-BW_PDF.plt:ctg Pentable= MTA_HALF-BW.ctb



PROPOSED SECTION
AT STA 103+75.00

B
TC-111 T-110

PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

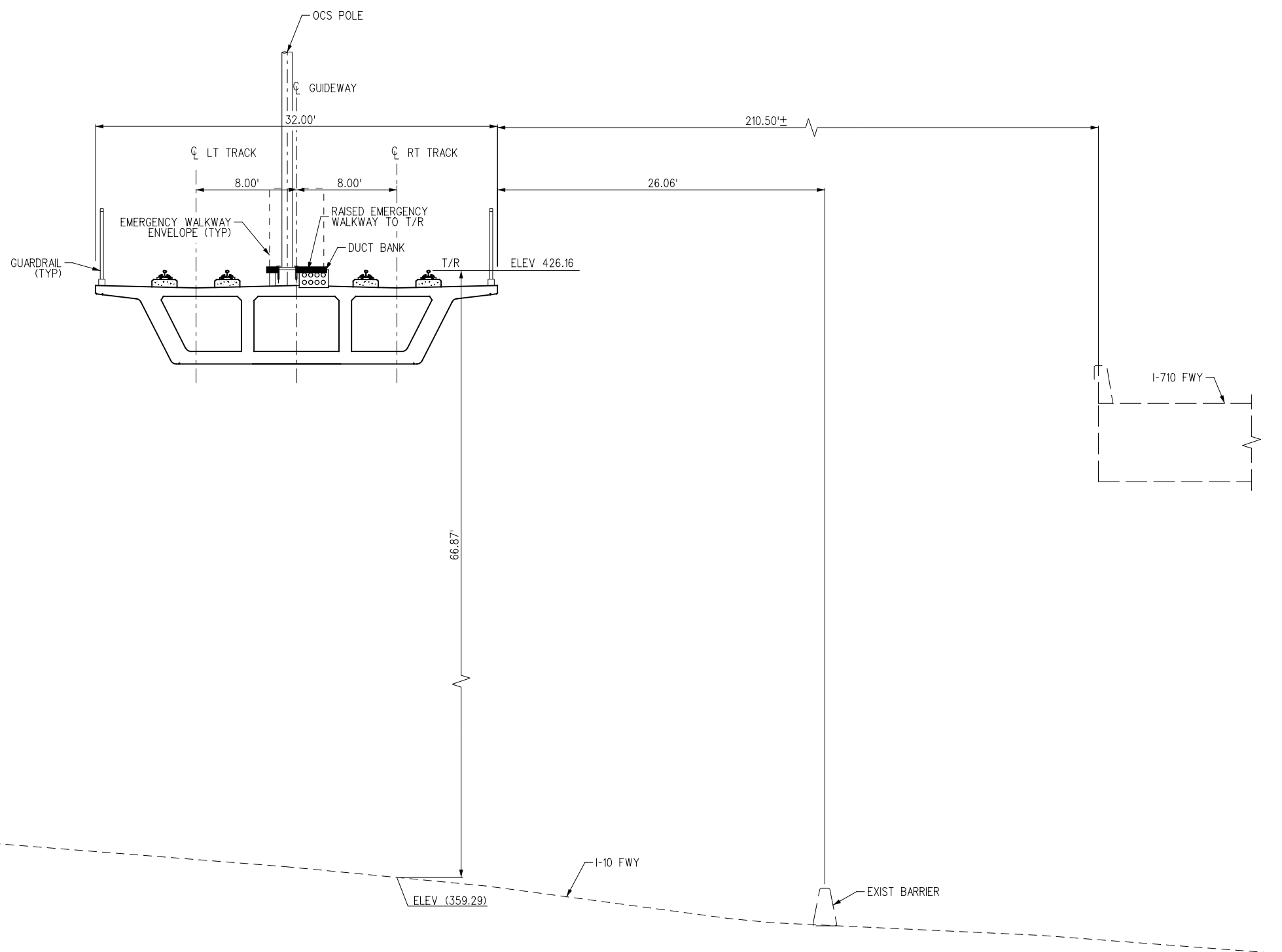
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 11 OF 32

CONTRACT NO	
DRAWING NO TC-111	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

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PROPOSED SECTION
AT STA 120+75.00

A
TC-112 T-112

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

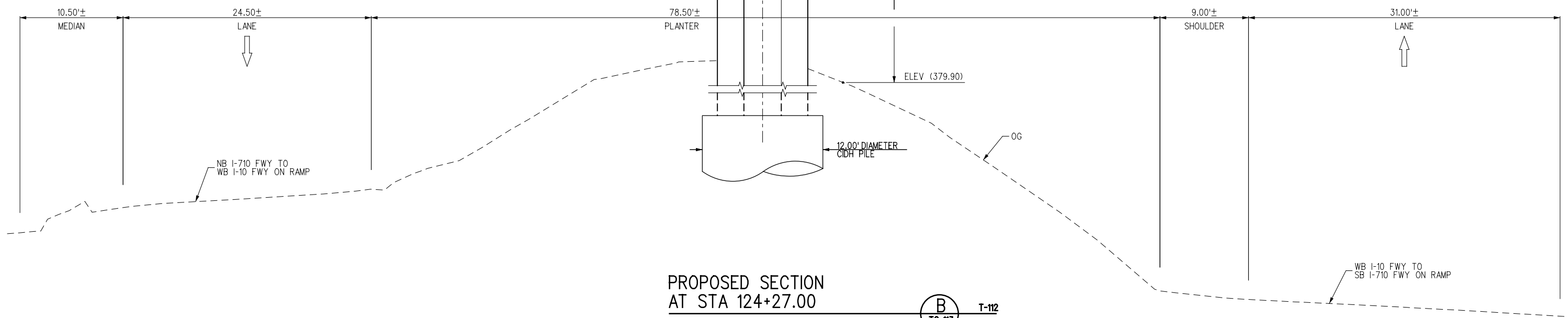
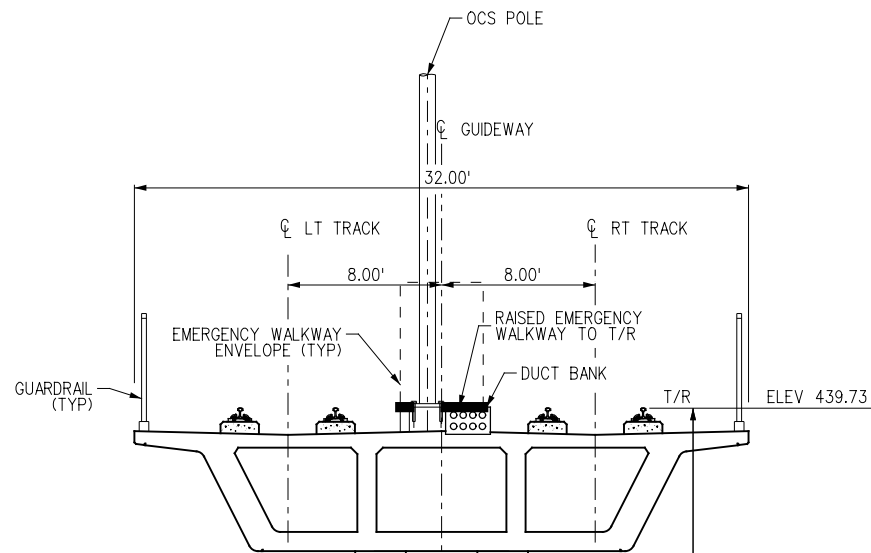
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 12 OF 32

CONTRACT NO	
DRAWING NO TC-112	REV
SCALE HORIZ: 1"=5'	VERT: NTS
SHEET NO	

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.



PROPOSED SECTION
AT STA 124+27.00

B
TC-113 T-112

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

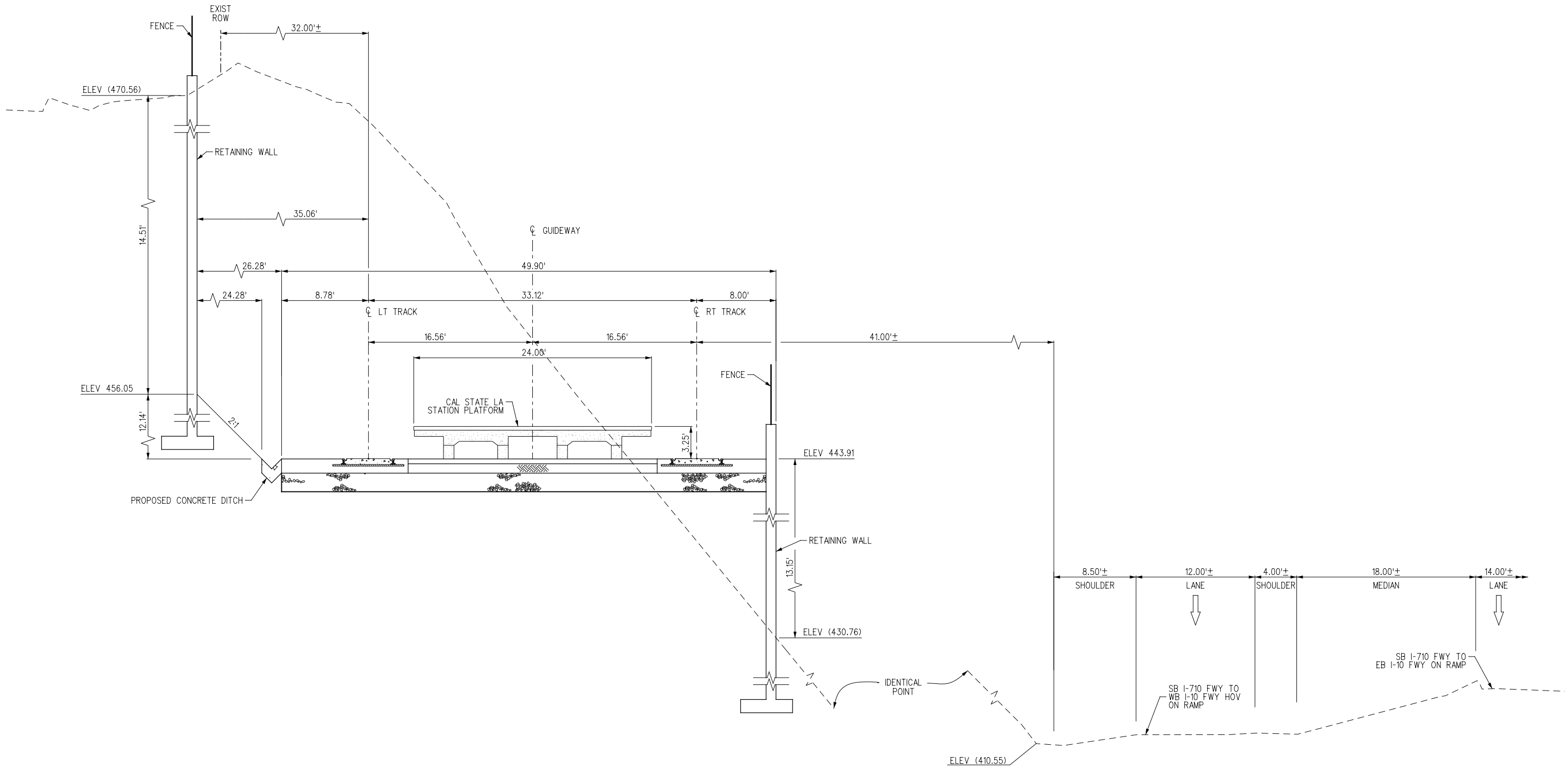


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 13 OF 32

CONTRACT NO	
DRAWING NO TC-113	REV
SCALE HORIZ: 1"=5'	VERT: NTS
SHEET NO	

Model Name= Default



PROPOSED SECTION
AT STA 130+00.00

A
TC-114 T-114

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

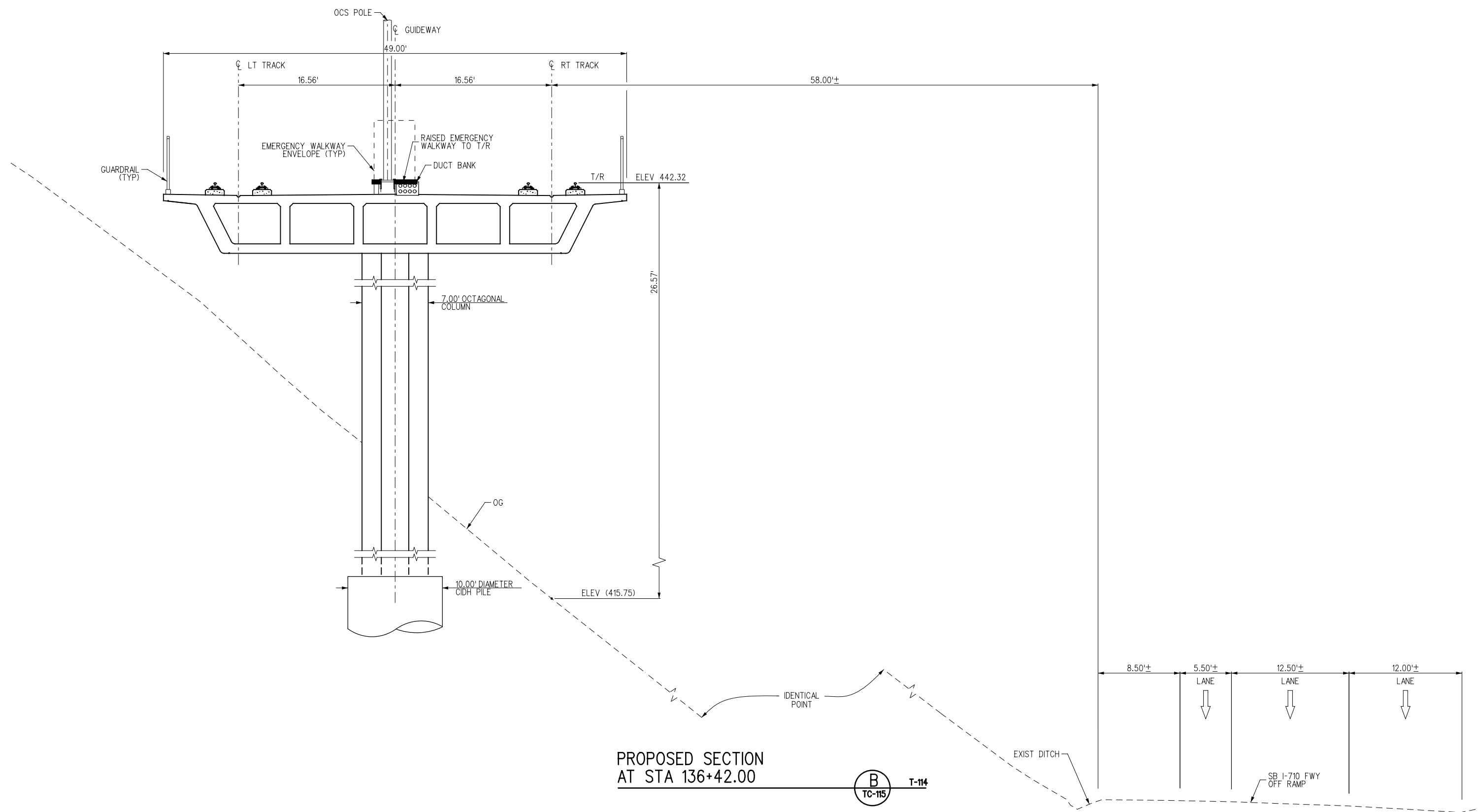
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 14 OF 32

CONTRACT NO	
DRAWING NO TC-114	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

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IDENTICAL POINT
PROPOSED SECTION AT STA 136+42.00
 B TC-115 T-114

PRELIMINARY

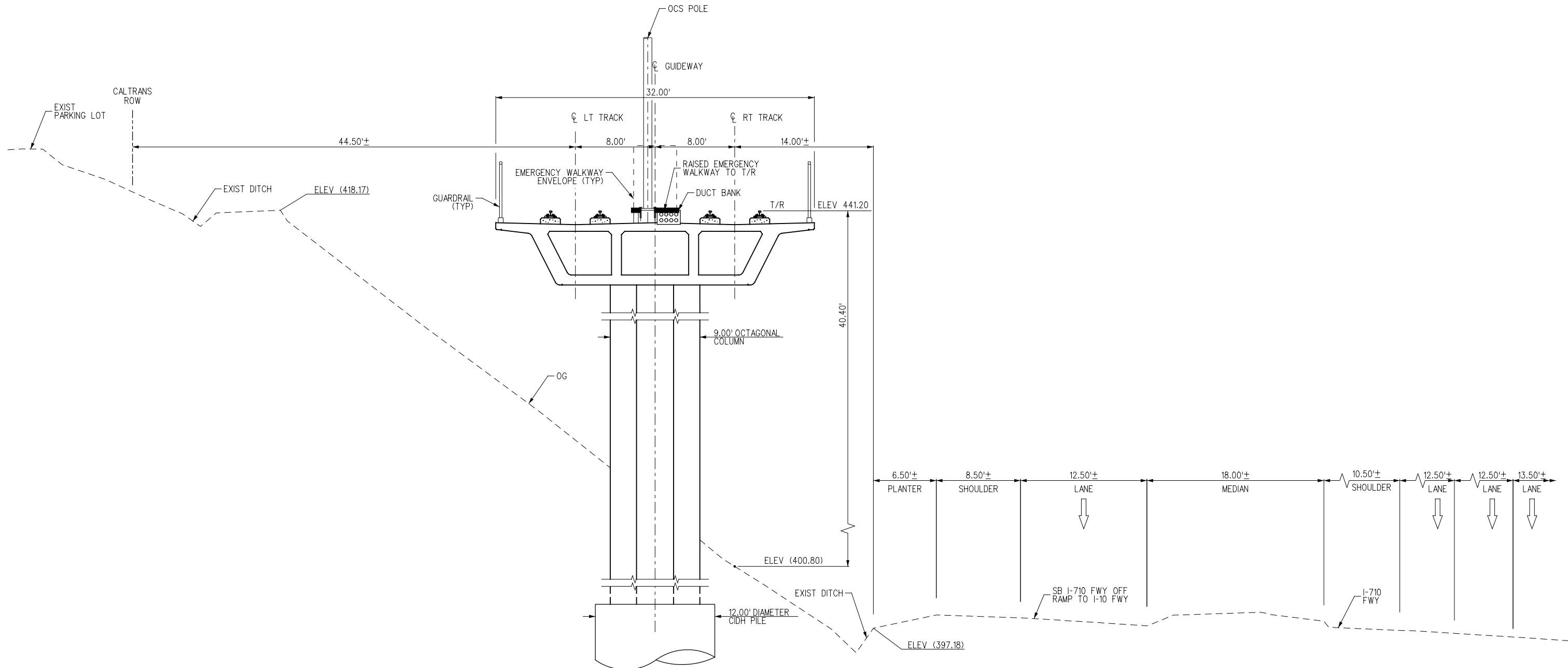
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 15 OF 32**

CONTRACT NO	
DRAWING NO TC-115	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	



PROPOSED SECTION
AT STA 140+92.00

A
TC-116 T-115

PRELIMINARY

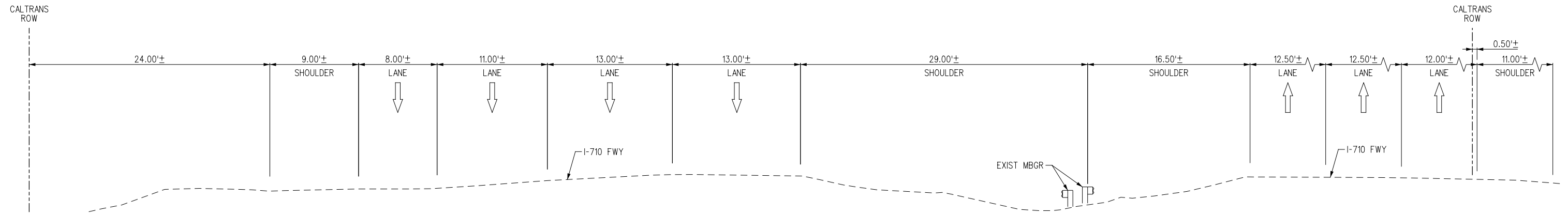
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

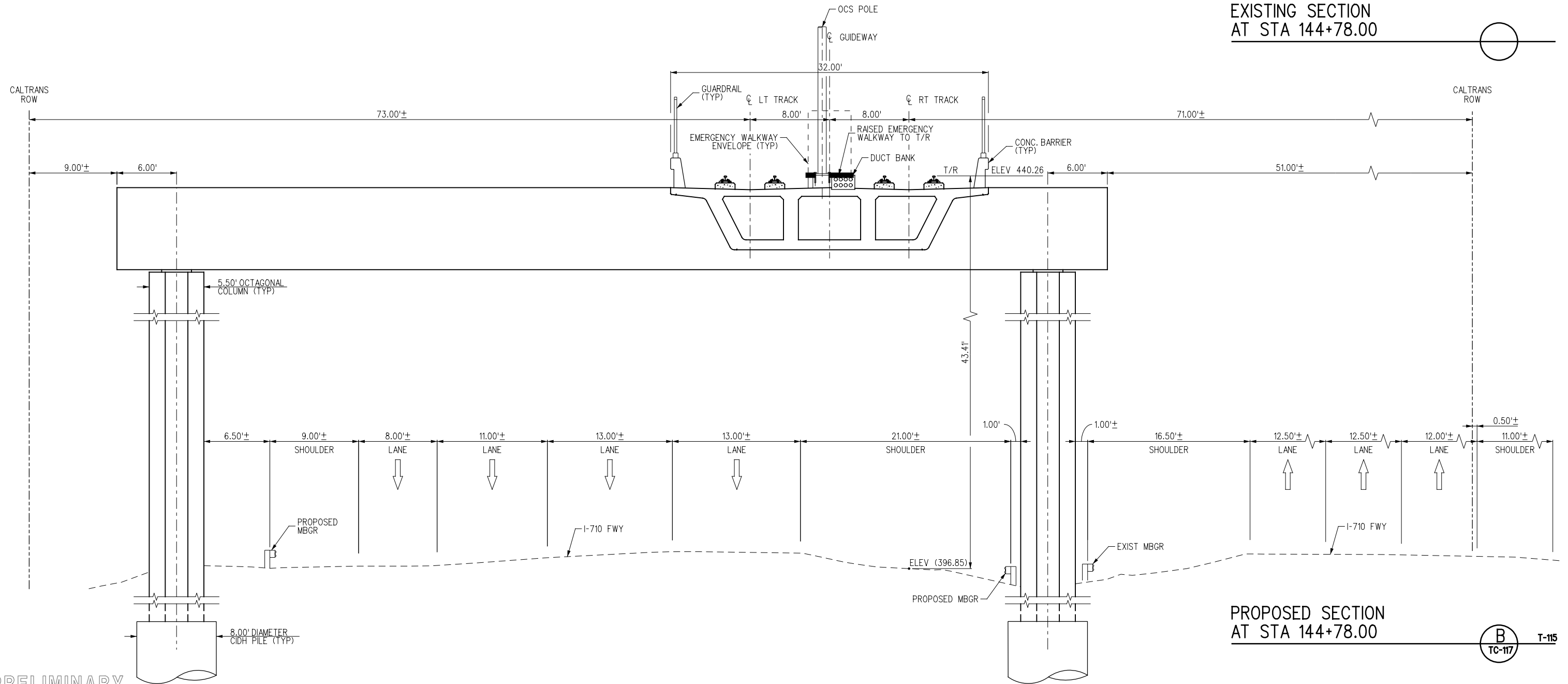
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 16 OF 32

CONTRACT NO	
DRAWING NO TC-116	REV
SCALE HORIZ: 1"=5'	VERT: NTS
SHEET NO	



EXISTING SECTION
AT STA 144+78.00



PROPOSED SECTION
AT STA 144+78.00

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

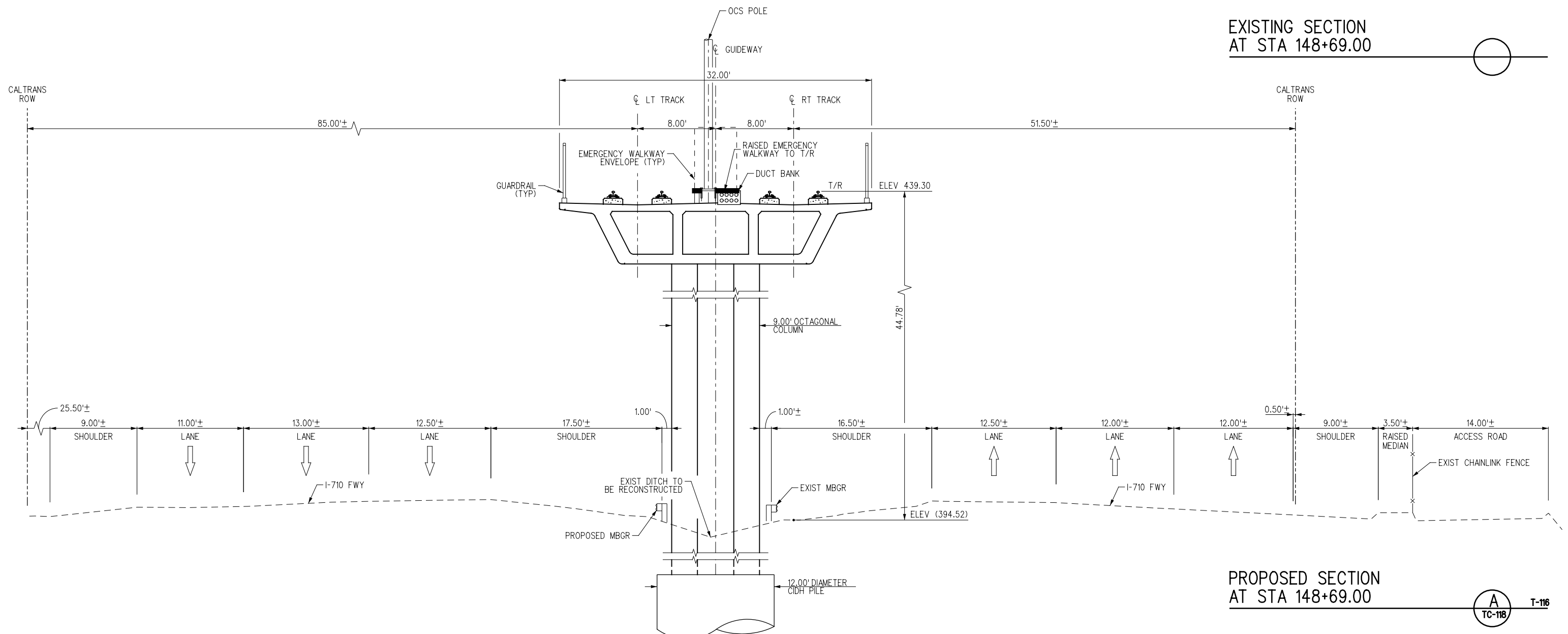
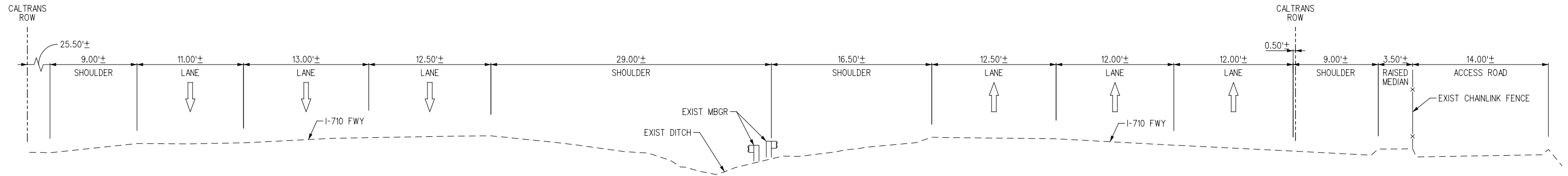
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 17 OF 32

CONTRACT NO	
DRAWING NO TC-117	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	



PRELIMINARY

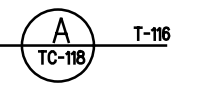
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

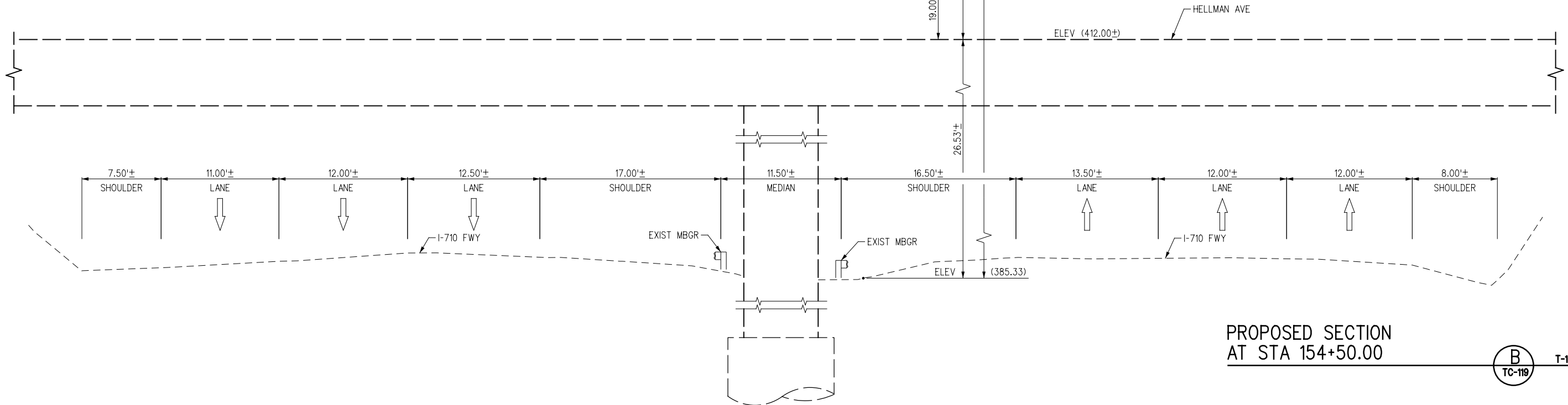
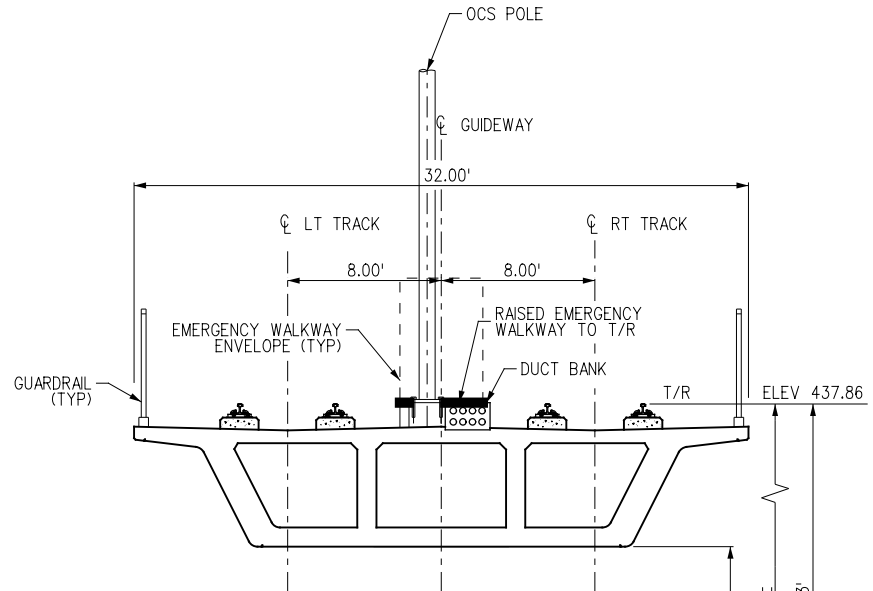
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 18 OF 32

CONTRACT NO	
DRAWING NO	TC-118
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	



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PROPOSED SECTION
AT STA 154+50.00

B
TC-119 T-116

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

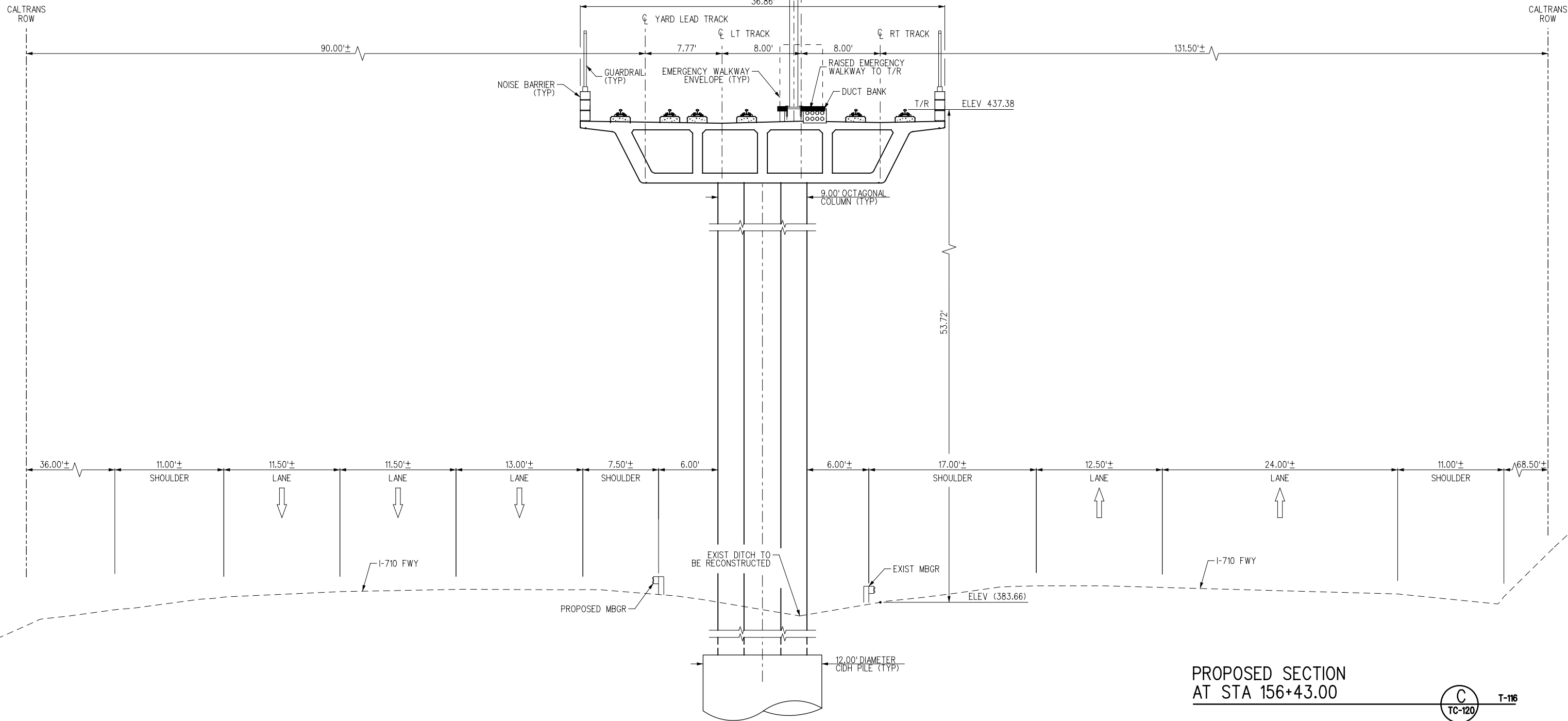
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 19 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-119	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	



PROPOSED SECTION
AT STA 156+43.00

C
TC-120 T-116

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

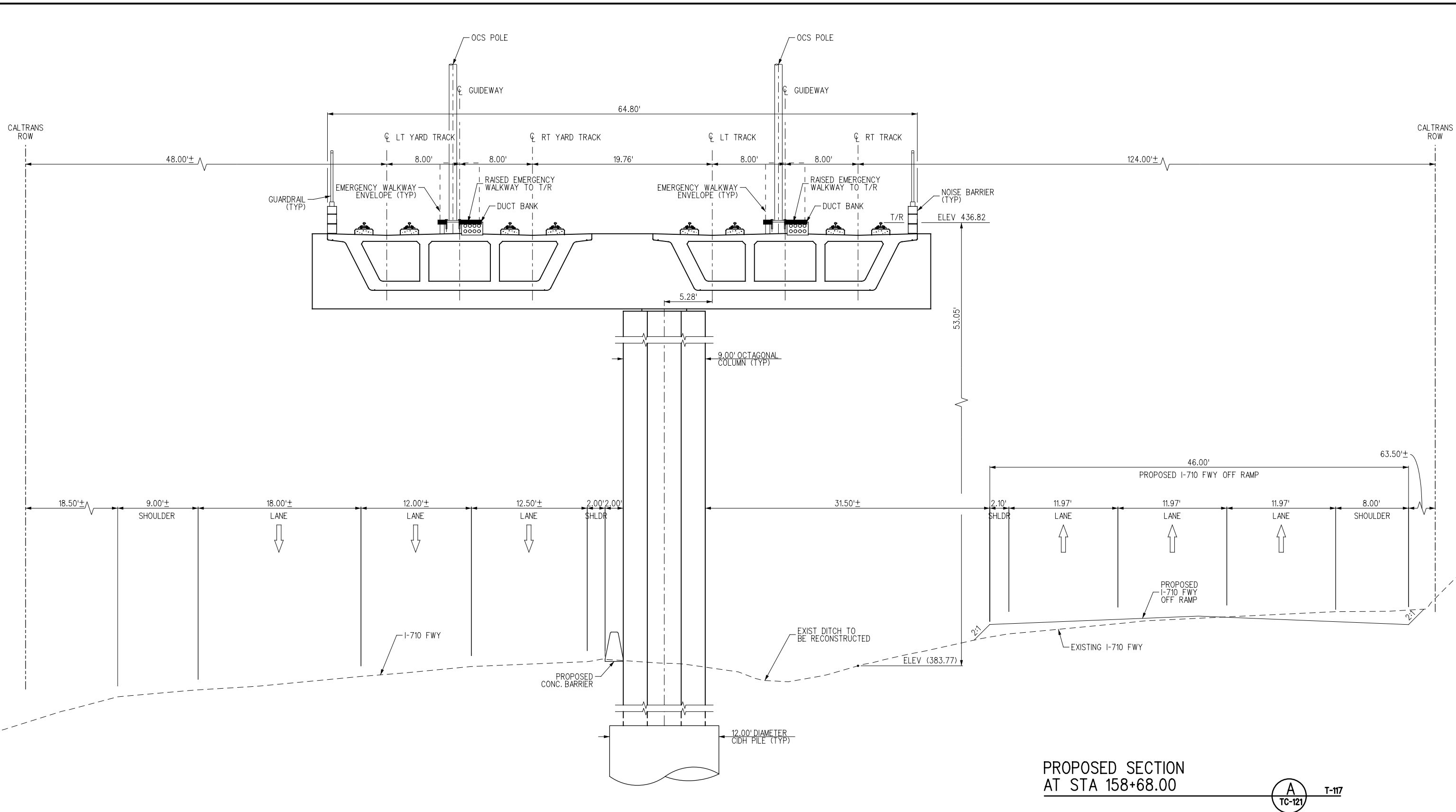
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 20 OF 32

CONTRACT NO	
DRAWING NO TC-120	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

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PROPOSED SECTION
AT STA 158+68.00

A
TC-121 T-117

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

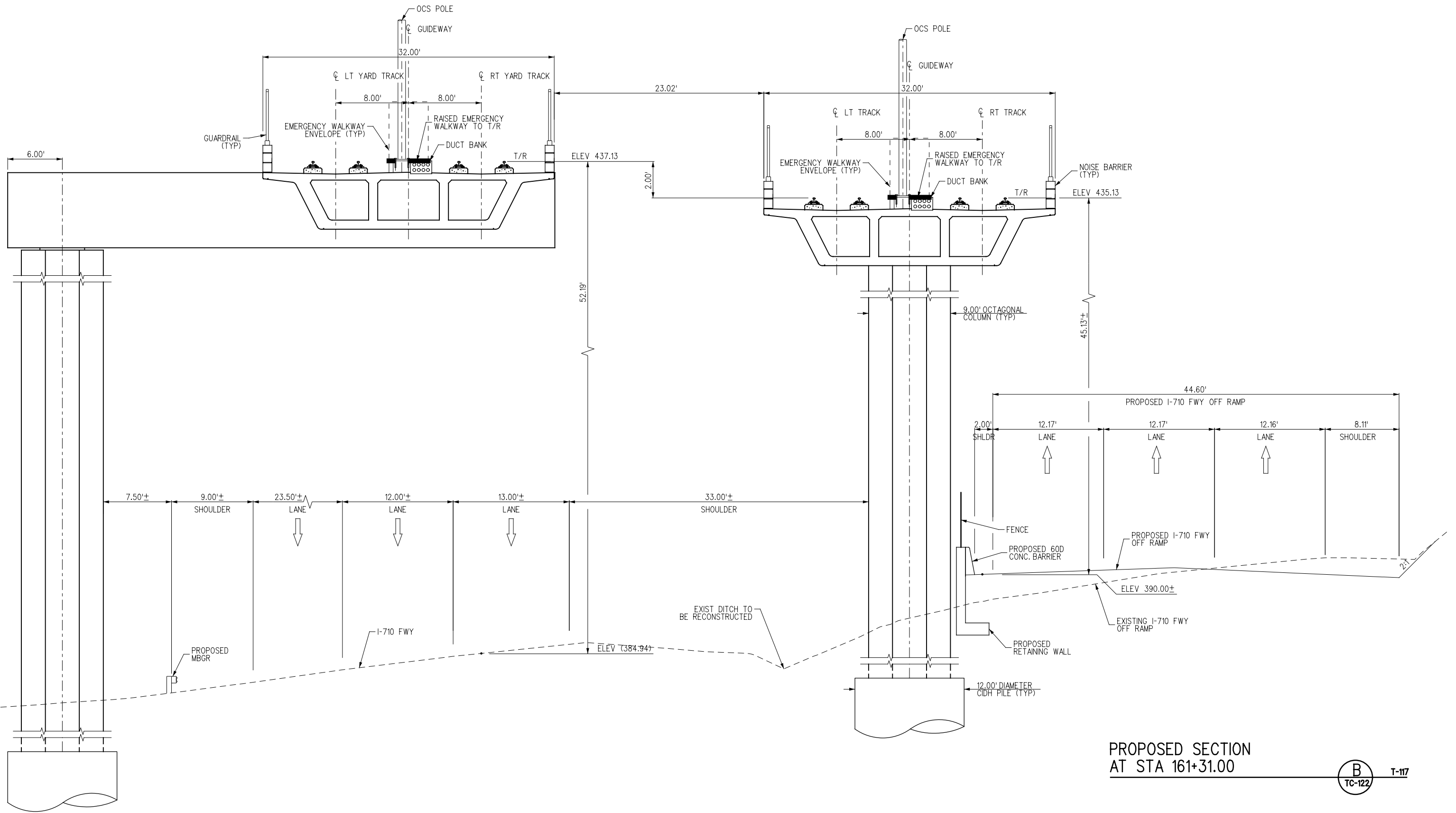
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 21 OF 32

CONTRACT NO	
DRAWING NO	TC-121
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

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PROPOSED SECTION
AT STA 161+31.00

B T-117
TC-122

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

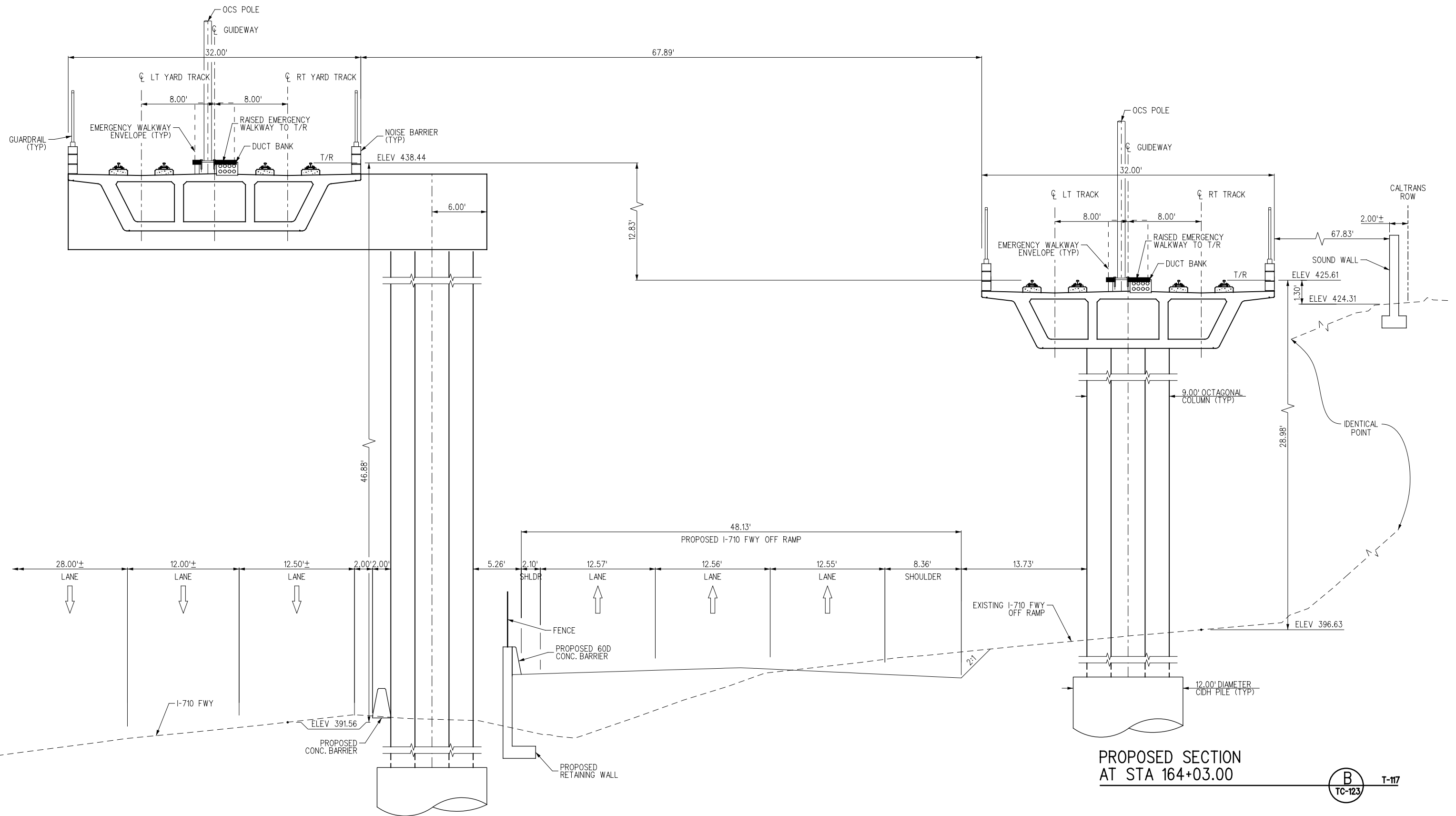
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 22 OF 32

CONTRACT NO	
DRAWING NO	TC-122
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

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PRELIMINARY

PROPOSED SECTION
AT STA 164+03.00

B
TC-123 T-117

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

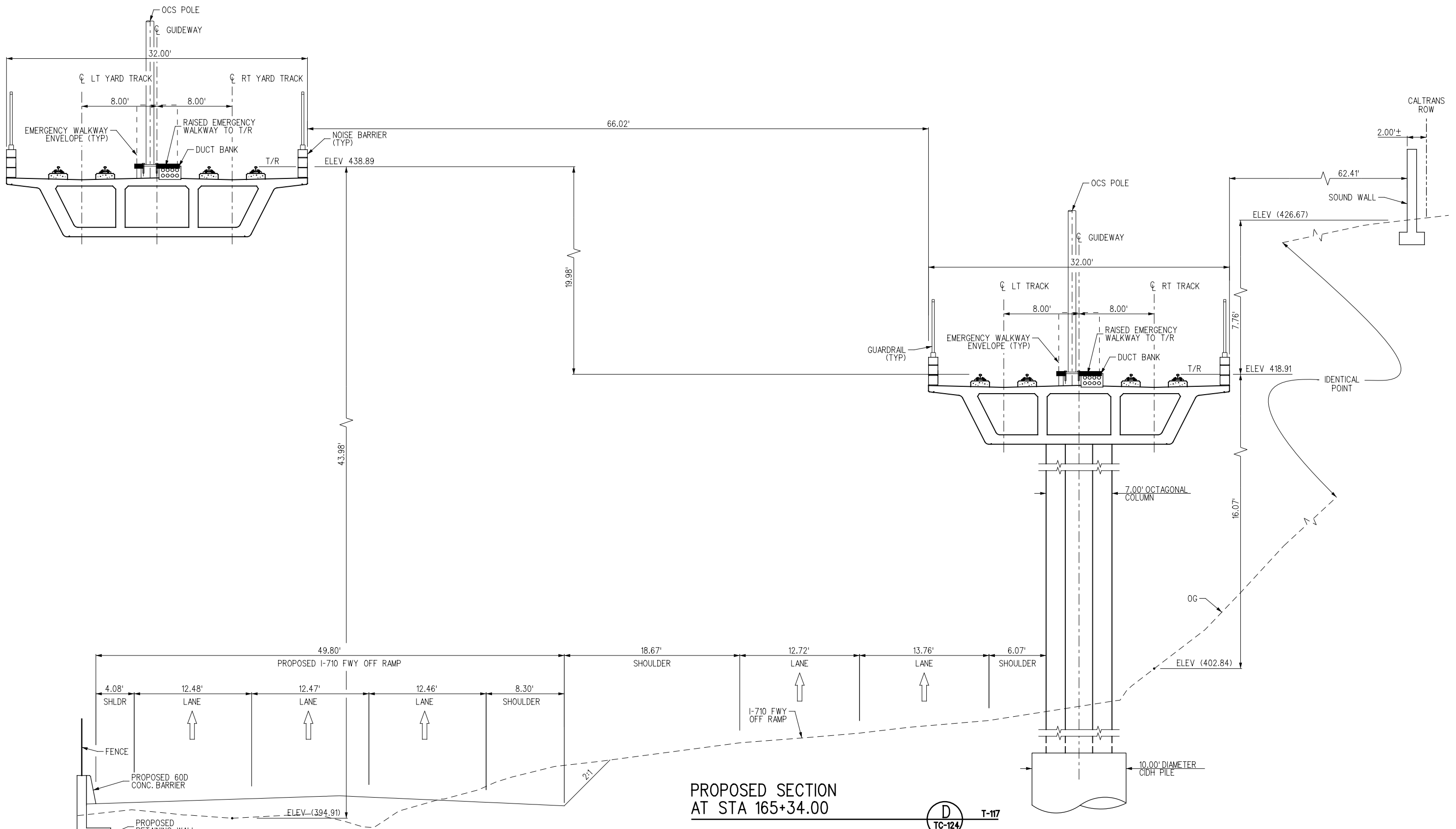
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 23 OF 32

CONTRACT NO	
DRAWING NO	REV
TC-123	
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

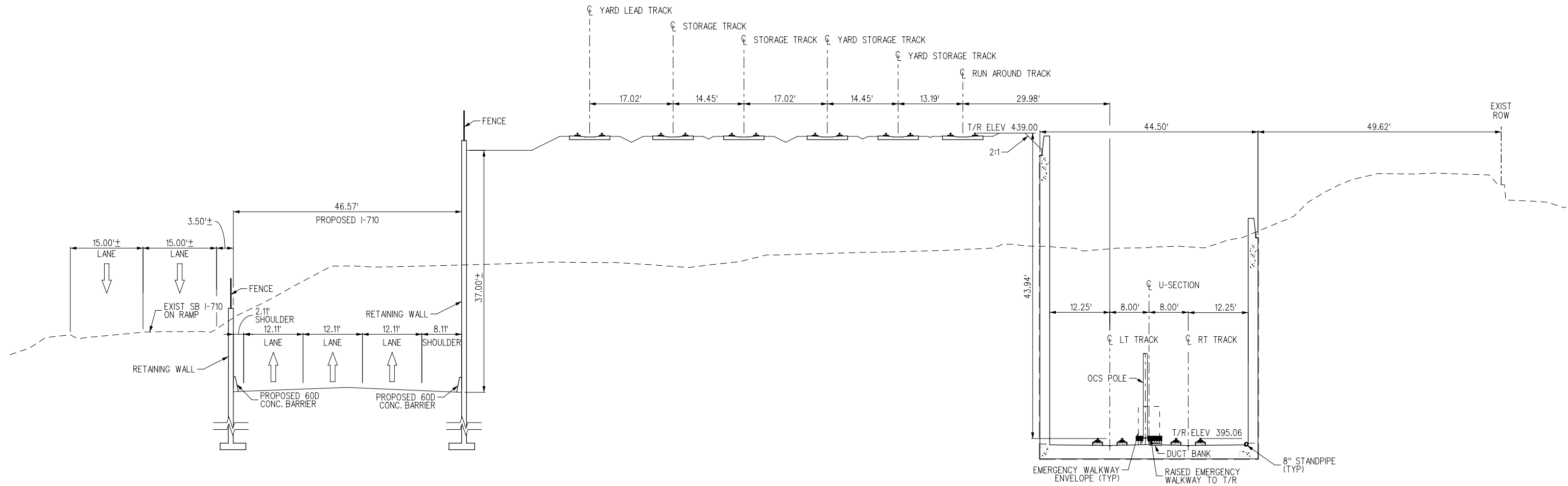
DESIGNED BY
F. ALVARADO
DRAWN BY
F. ALVARADO
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 24 OF 32

CONTRACT NO	
DRAWING NO	TC-124
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

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PROPOSED SECTION
AT STA 170+00.00

A
TC-125 T-118
T-218

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

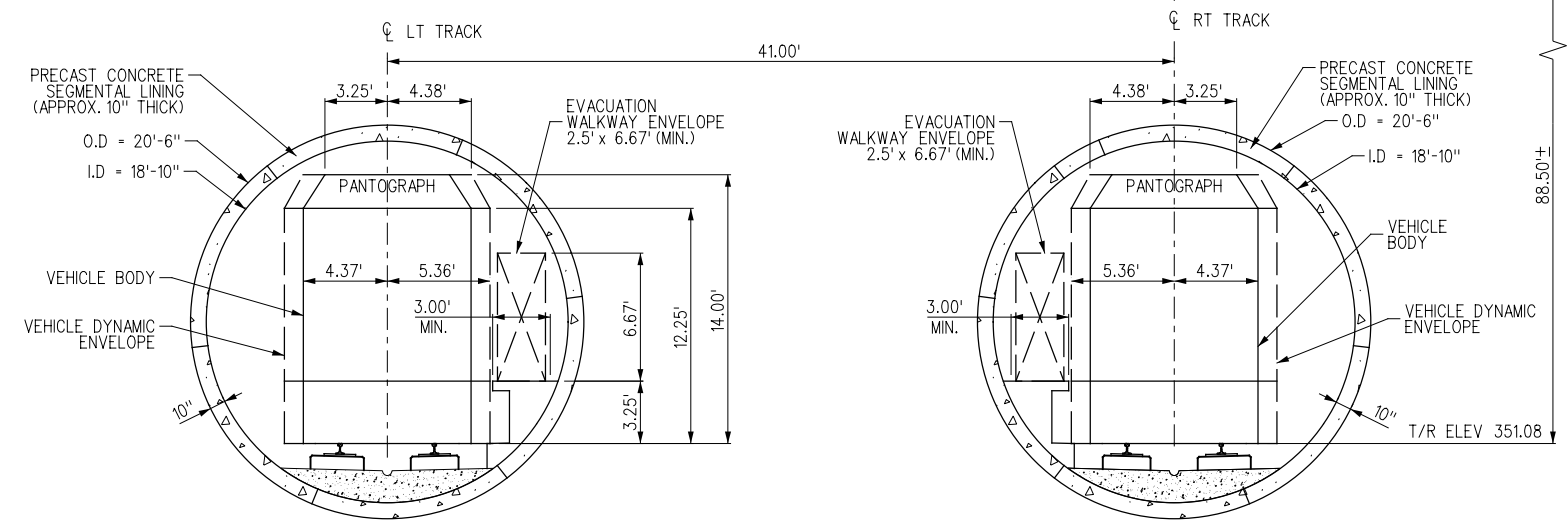
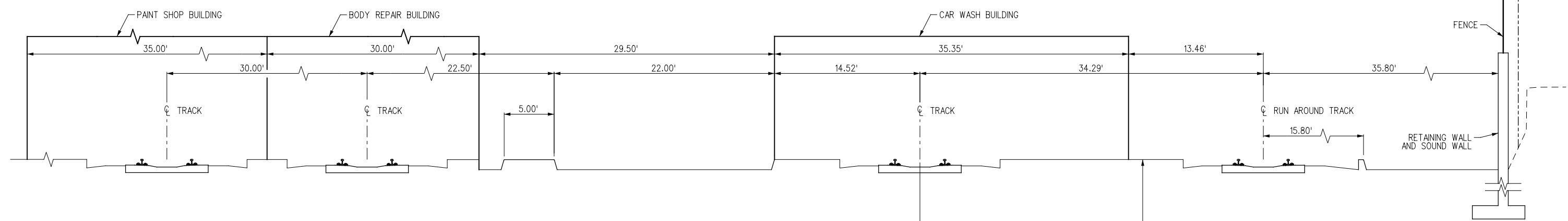
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 25 OF 32

CONTRACT NO	
DRAWING NO TC-125	REV
SCALE NTS	SHEET NO

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 8/27/2013 3:30:45 PM USER=almashatm

EXIST 1 STORY COMMERCIAL BUILDING (TO BE DEMOLISHED)

EXISTING SECTION AT STA 180+50.00



PROPOSED SECTION AT STA 180+50.00

A
 TC-126 T-119
 T-220

PRELIMINARY

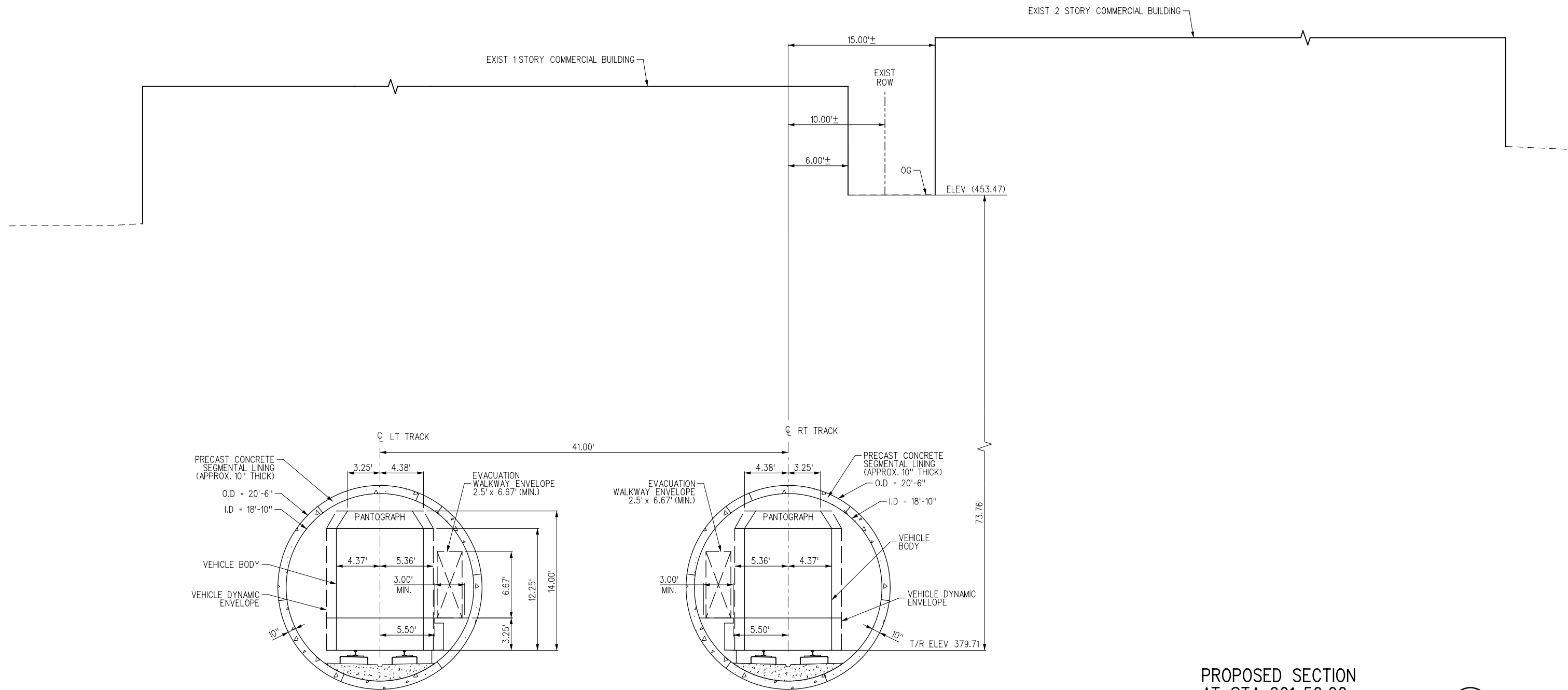
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							DESIGNED BY F. ALVARADO
							DRAWN BY F. ALVARADO
							CHECKED BY J. AL-MASHAT
							IN CHARGE J. AL-MASHAT
							DATE 8/12/13
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	METRO COMMENTS
-	2/7/14						



LOS ANGELES COUNTY
 METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 26 OF 32

CONTRACT NO	
DRAWING NO TC-126	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	



PROPOSED SECTION
AT STA 201+50.00

A
TC-127 T-123

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER
-	2/7/14					
						METRO COMMENTS
						DESCRIPTION

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



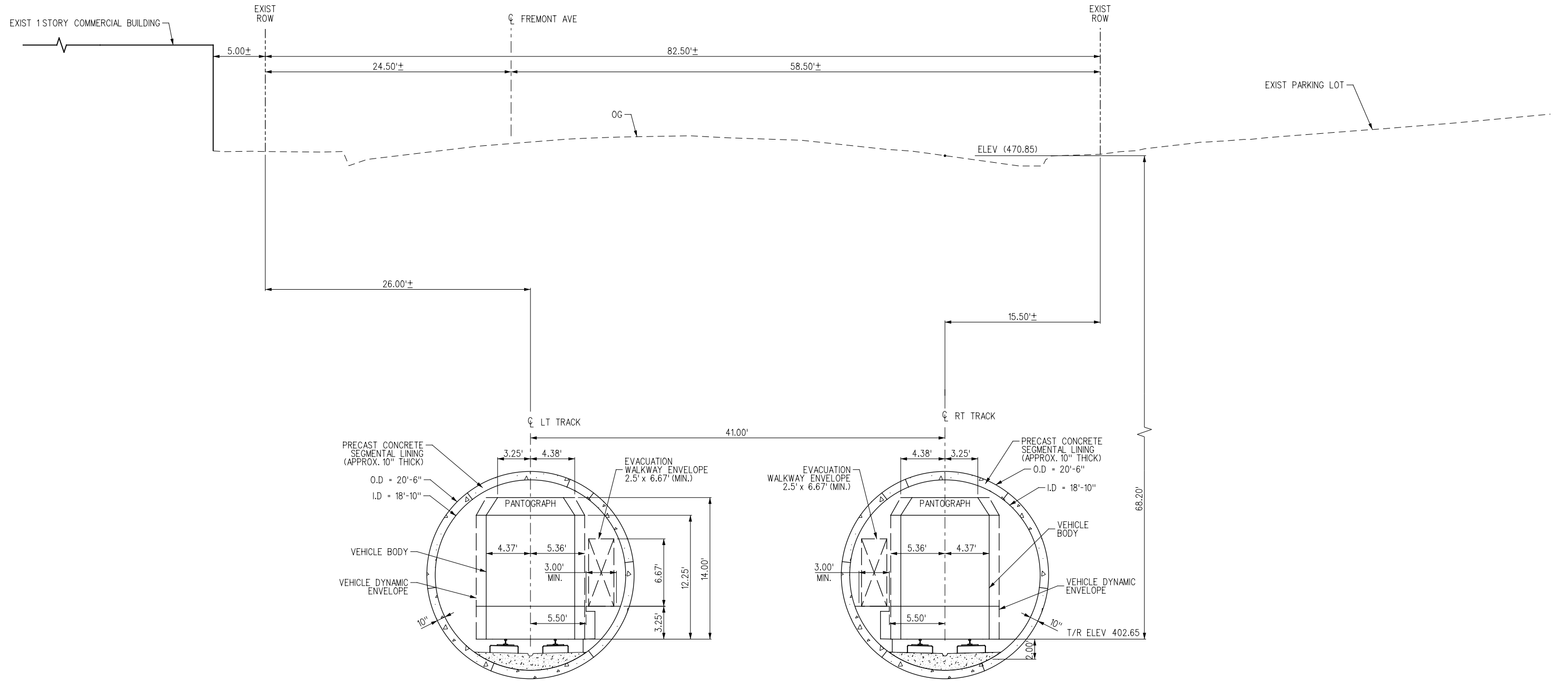
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 27 OF 32

CONTRACT NO	
DRAWING NO TC-127	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

Model Name= Default

2/7/2014 12:26:17 PM USER:alvarado01 ...:\g017434\706-AC-TC-127.plt6g Plot Driver= MTA_HALF-BW_PDF.plt6g Pentable= MTA_HALF-BW.plt6g



PROPOSED SECTION
AT STA 232+00.00

A
TC-128 T-129

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

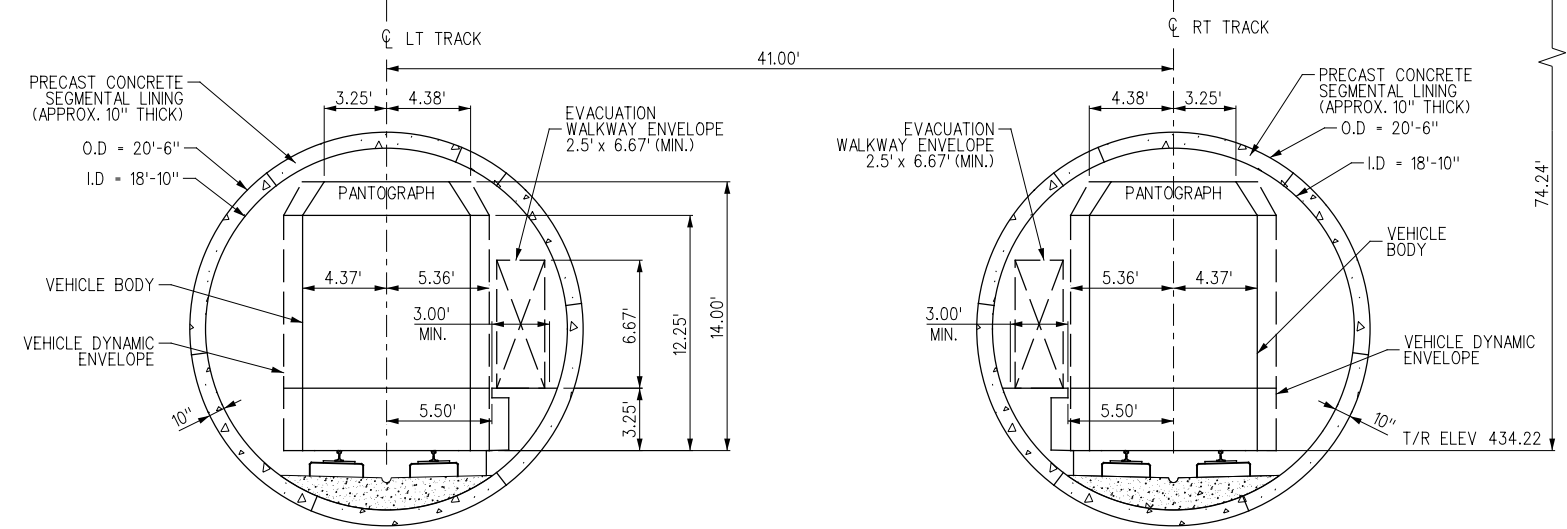
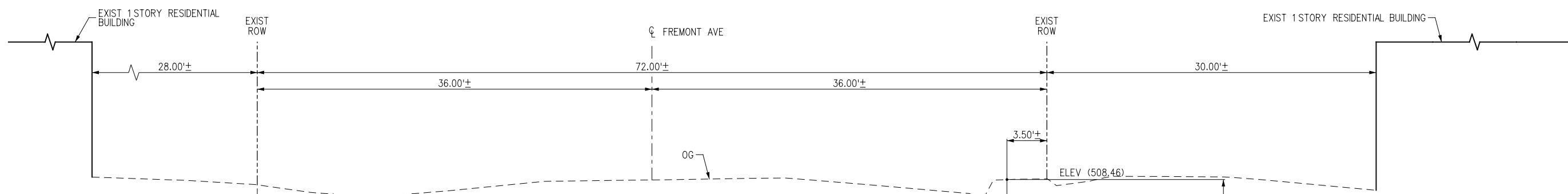
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 28 OF 32

CONTRACT NO	
DRAWING NO TC-128	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

Plot Driver= M:\HALF-BW_PDF.plt
 ... \gd017434\706-AC-TC-128.pig
 2/7/2014 12:26:20 PM USER=alvarado



PROPOSED SECTION
AT STA 251+75.00

A T-133
TC-129

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

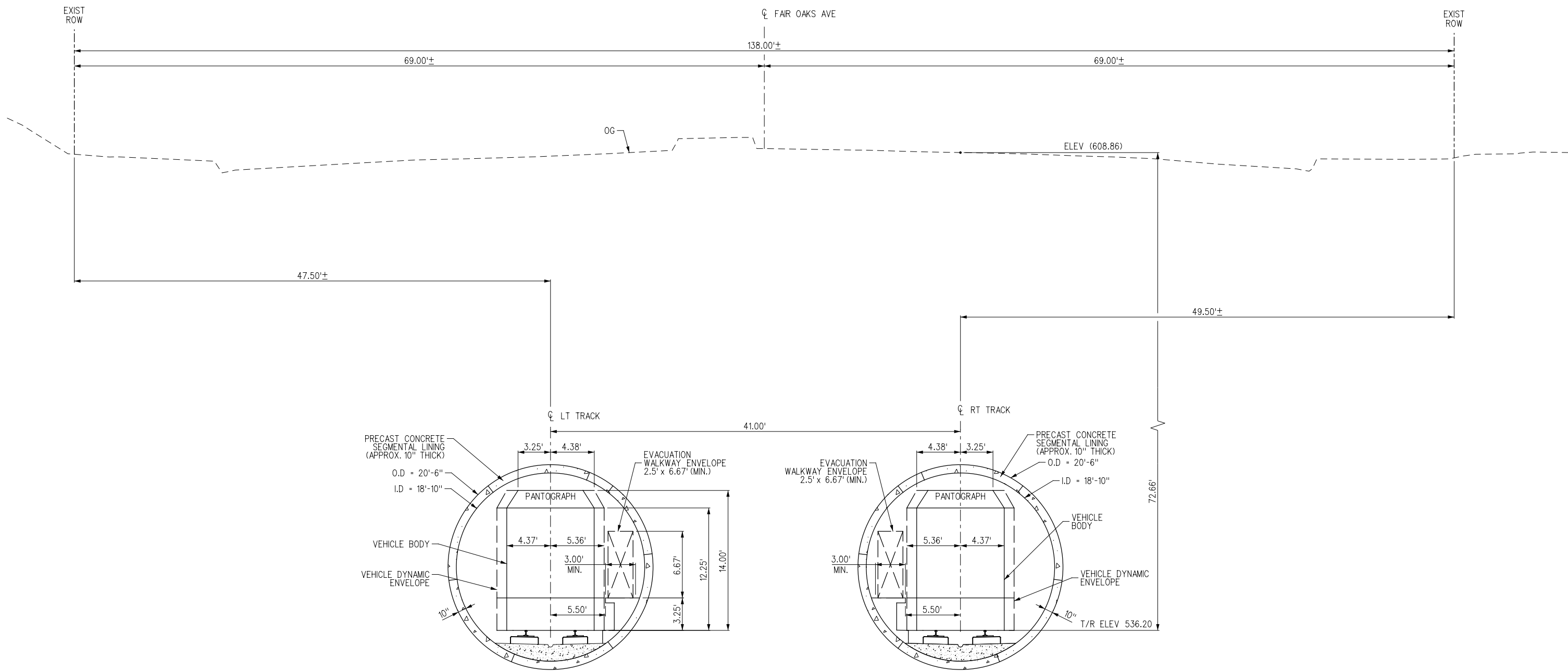
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 29 OF 32

CONTRACT NO	
DRAWING NO	TC-129
SCALE	HORIZ: 1"=5' VERT: NTS
SHEET NO	

Plot Driver= M:\A_HALF-BW_PDF.plt
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 2/7/2014 12:26:23 PM USER=alvarado01



PROPOSED SECTION
AT STA 317+25.00

A
TC-130 T-147

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	DESCRIPTION
-	2/7/14					METRO COMMENTS

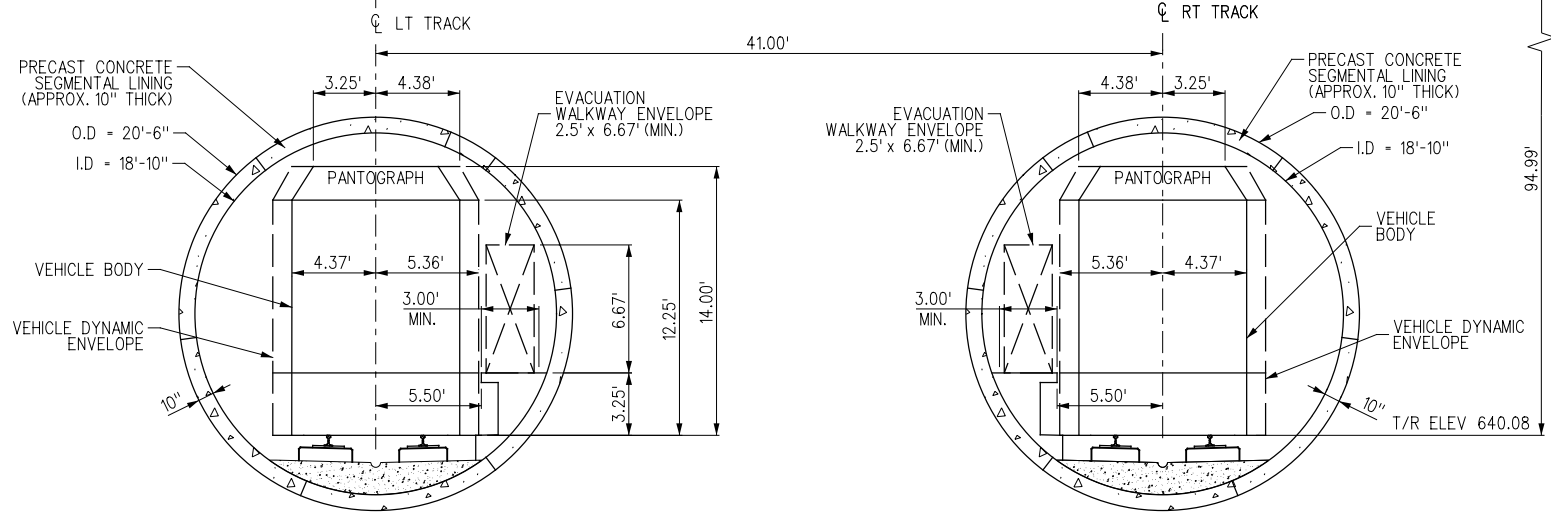
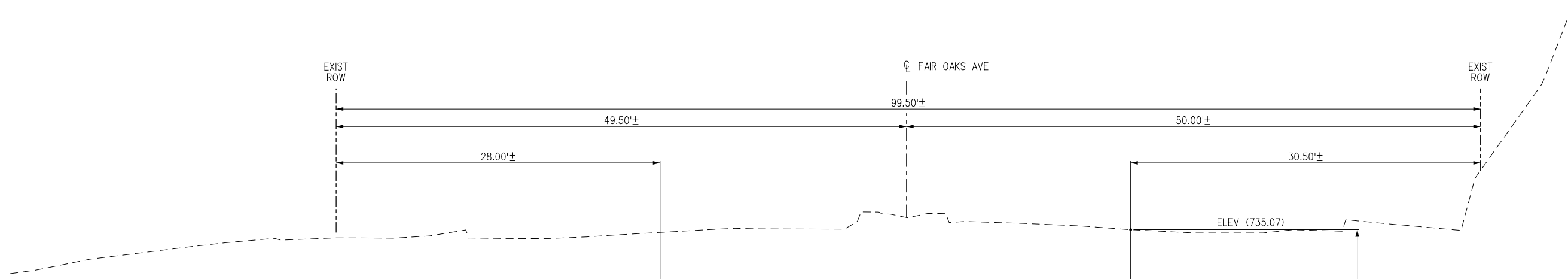
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 30 OF 32

CONTRACT NO	
DRAWING NO TC-130	REV
SCALE HORIZ: 1"=5'	VERT: NTS
SHEET NO	

USER: fvararado 12:26:25 PM 2/7/2014 ...\\g017454\706-AC-TC-130.pig Plot Driver= MTA_HALF-BW_PDF.plt;g Pentable= MTA_HALF-BW.plt



PROPOSED SECTION
AT STA 361+25.00

A
TC-131 T-155

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	DESCRIPTION
-	2/7/14					METRO COMMENTS

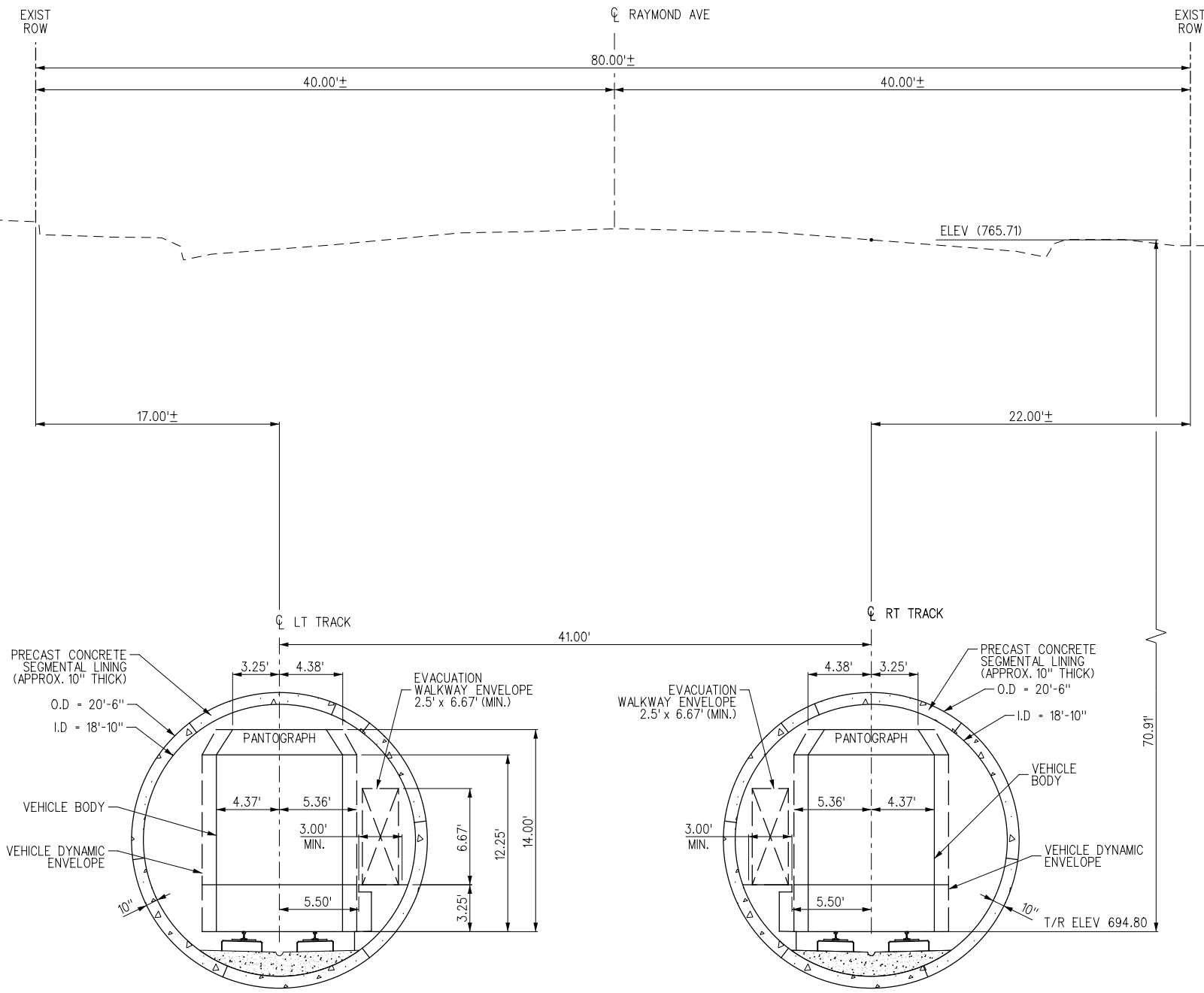
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 31 OF 32

CONTRACT NO	
DRAWING NO TC-131	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

2014 02 07 12:07:10 PM USER=falvarado Plot Driver= M:\HALF-BW_PDF.plt Plot File= M:\HALF-BW.plt



PROPOSED SECTION
AT STA 400+00.00

A
TC-132 T-163

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	DESCRIPTION
-	2/7/14					METRO COMMENTS

DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

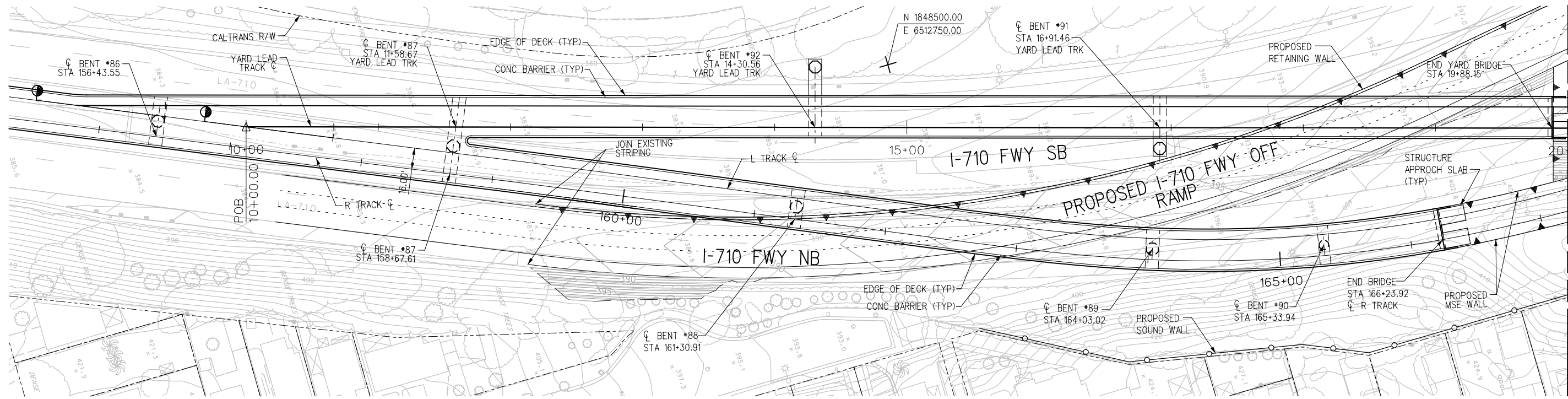
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRACK ALIGNMENT
CROSS SECTIONS
SHEET 32 OF 32

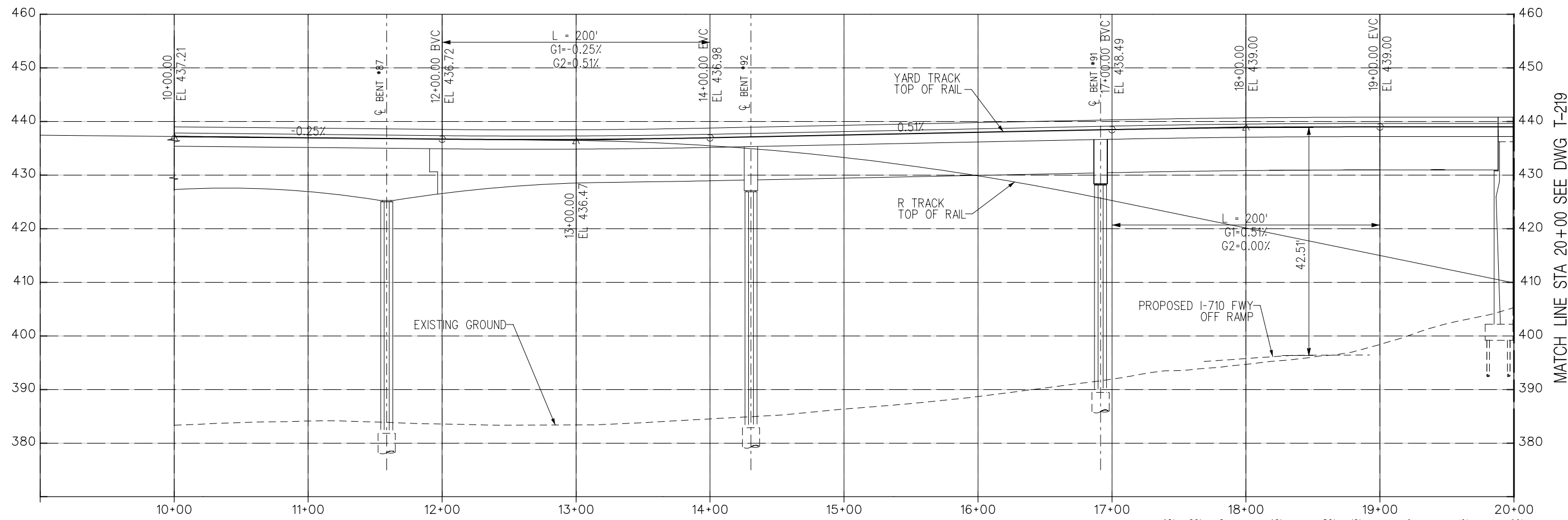
CONTRACT NO	
DRAWING NO TC-132	REV
SCALE HORIZ: 1"=5' VERT: NTS	
SHEET NO	

ModelName= Default

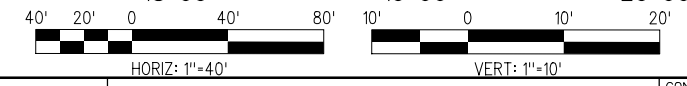
USER=alvarado001 12:26:25 PM 2/7/2014 ...\\g017434\706-AC-TC-132.pptg Plot Driver= MTA_HALF-BW_PDF.plt6g Pentable= MTA_HALF-BW.plt6g



YARD LEAD PLAN



YARD LEAD PROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

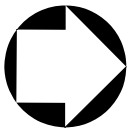


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

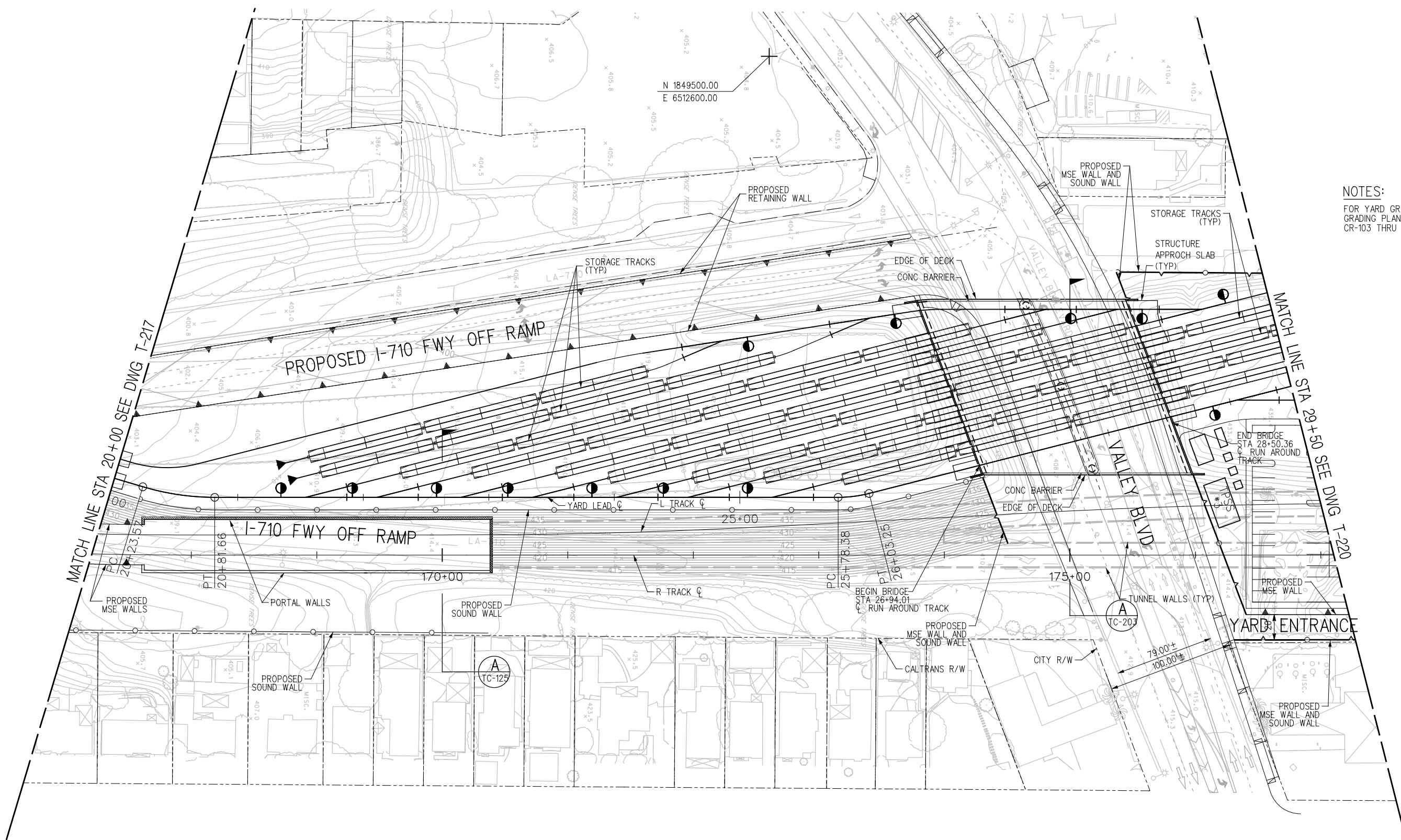
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
YARD TRACK ALIGNMENT
PLAN AND PROFILE
STA 10+00 TO STA 20+00

CONTRACT NO	
DRAWING NO	T-217
SCALE	HORIZ: 1"=40' VERT: 1"=10'
SHEET NO	

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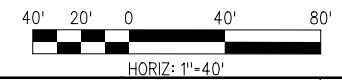


NOTES:
 FOR YARD GRADING SEE
 GRADING PLANS DRAWINGS NO.
 CR-103 THRU CR-105



PRELIMINARY

YARD LEAD PLAN



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. GRANDOV
 DRAWN BY
M. AL-MASHAT
 CHECKED BY
J. AL-MASHAT
 IN CHARGE
J. AL-MASHAT
 DATE
8/12/13

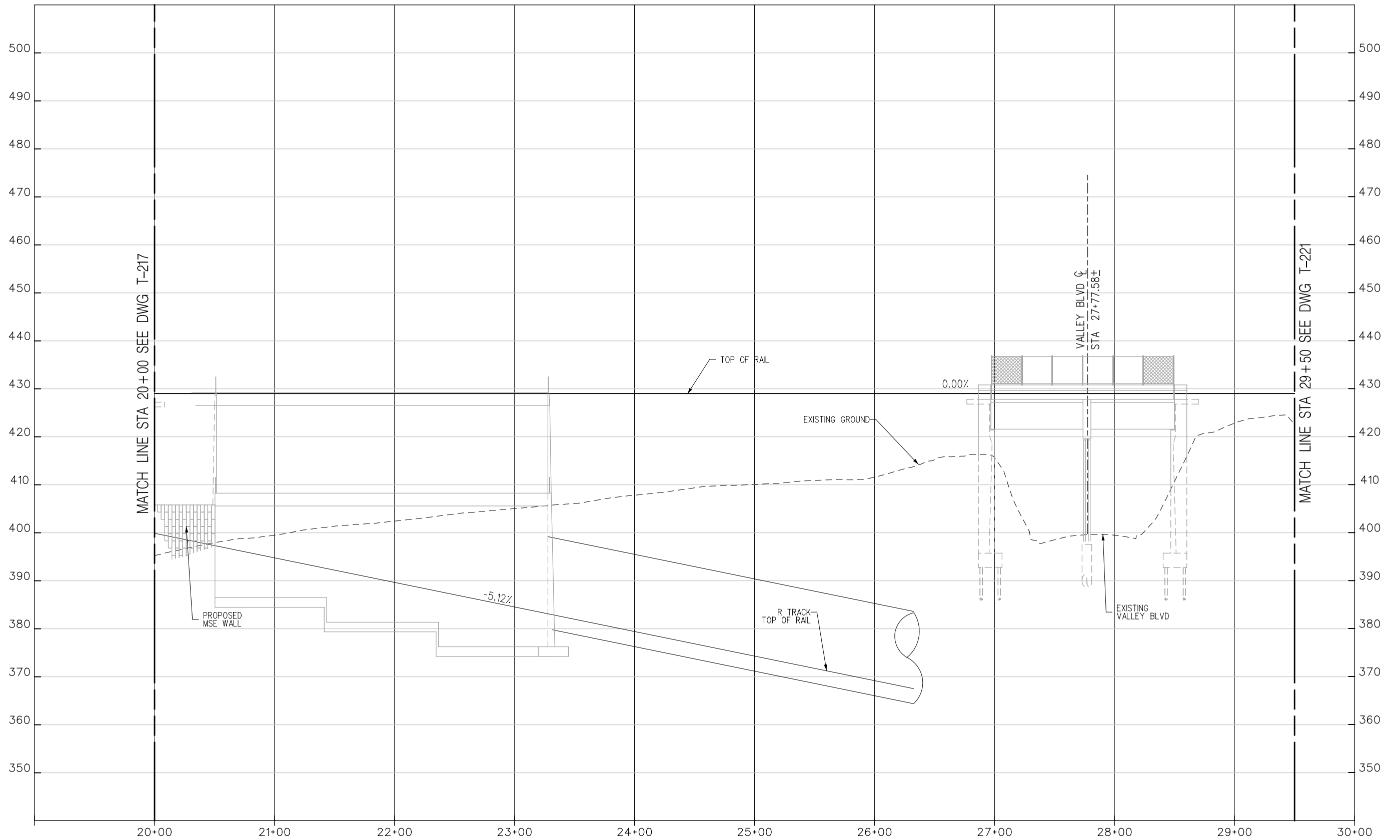


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 YARD TRACK ALIGNMENT
 PLAN
 STA 21+00 TO STA 31+00

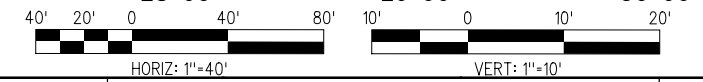
CONTRACT NO	
DRAWING NO T-218	REV
SCALE 1" = 40'	SHEET NO

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PRELIMINARY

YARD LEAD PROFILE



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

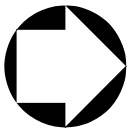
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

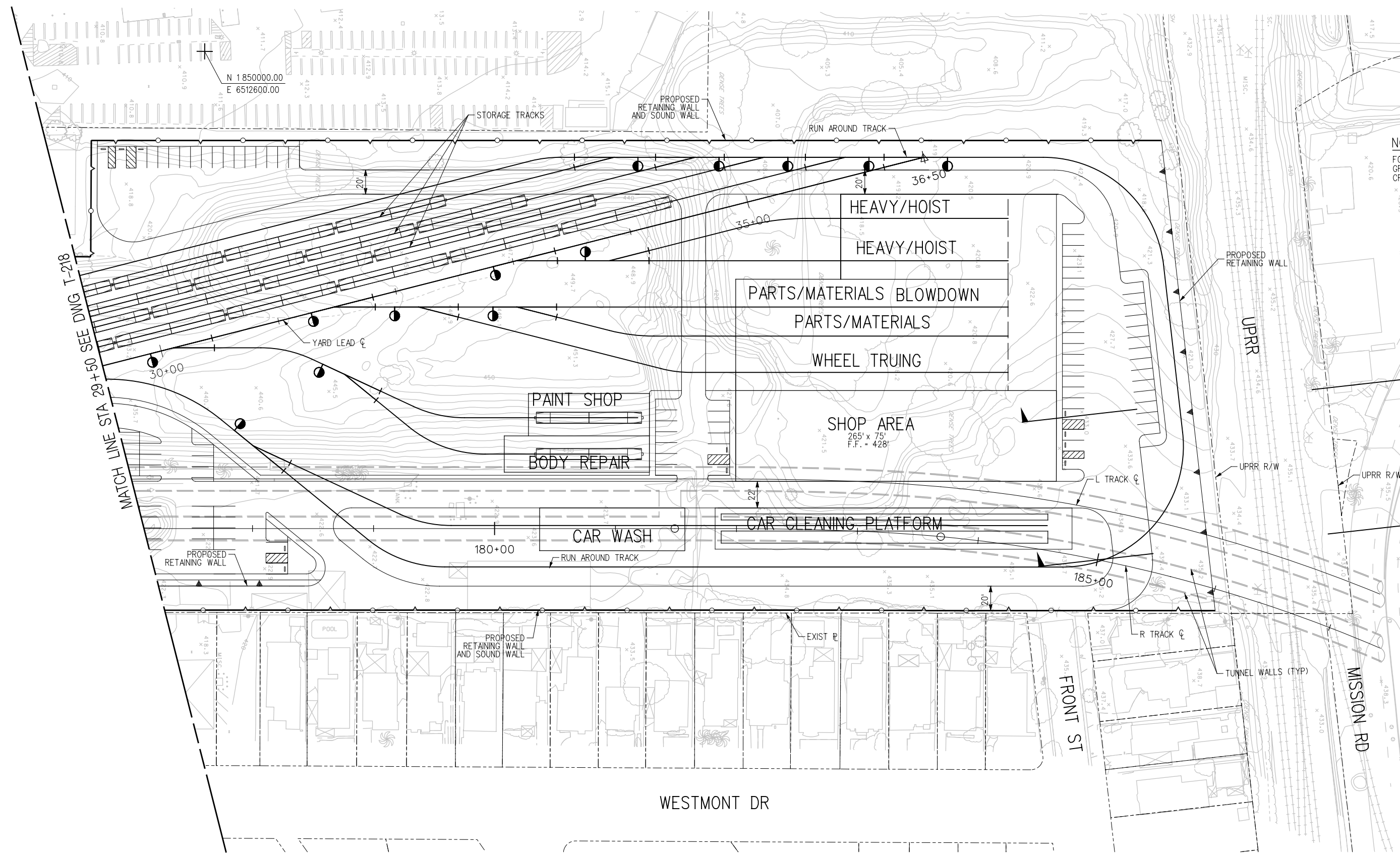
**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 YARD TRACK ALIGNMENT
 PROFILE
 STA 20+00 TO STA 29+50**

CONTRACT NO	
DRAWING NO T-219	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	
SHEET NO	

8/8/2013 3:32:12 PM USER:almashatm Plot Driver: M:\HALF-BW-PDF.plt Plot: M:\HALF-BW.plt



NOTES:
 FOR YARD GRADING SEE
 GRADING PLANS DRAWINGS NO.
 CR-103 THRU CR-105



MATCH LINE STA 29+50 SEE DNG T-218

C
TC-202

B
TC-201



PRELIMINARY

YARD LEAD PLAN

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

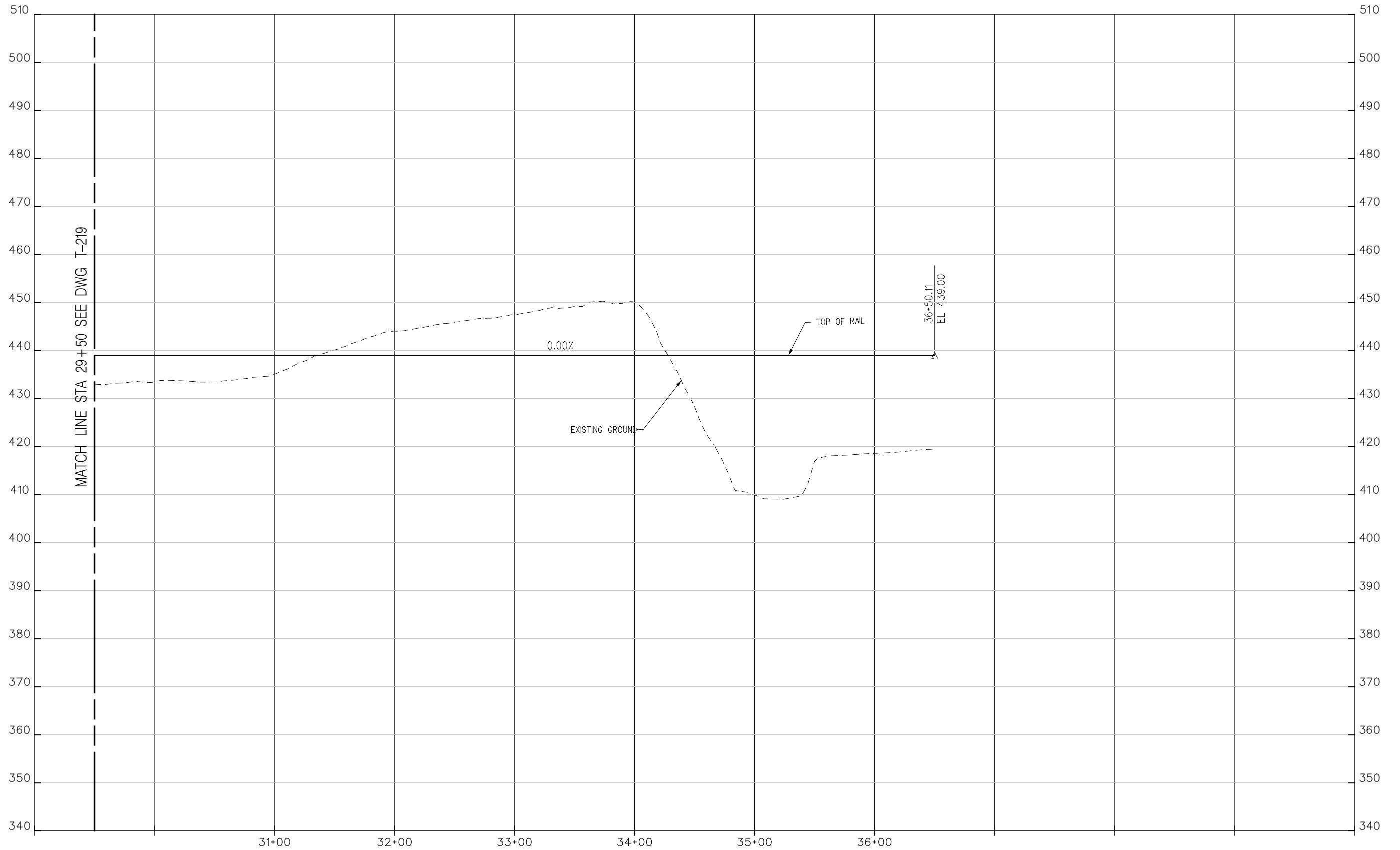
DESIGNED BY A. GRANDOV
DRAWN BY M. AL-MASHAT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 YARD TRACK ALIGNMENT
 PLAN
 STA 29+50 TO STA 36+50**

CONTRACT NO	
DRAWING NO T-220	REV
SCALE 1" = 40'	
SHEET NO	

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MATCH LINE STA 29+50 SEE DWG T-219

0.00%

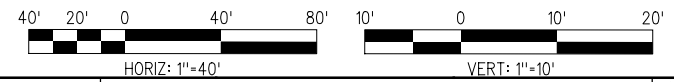
TOP OF RAIL

EXISTING GROUND

36+50.11
EL 439.00

31+00 32+00 33+00 34+00 35+00 36+00

YARD LEAD ROFILE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

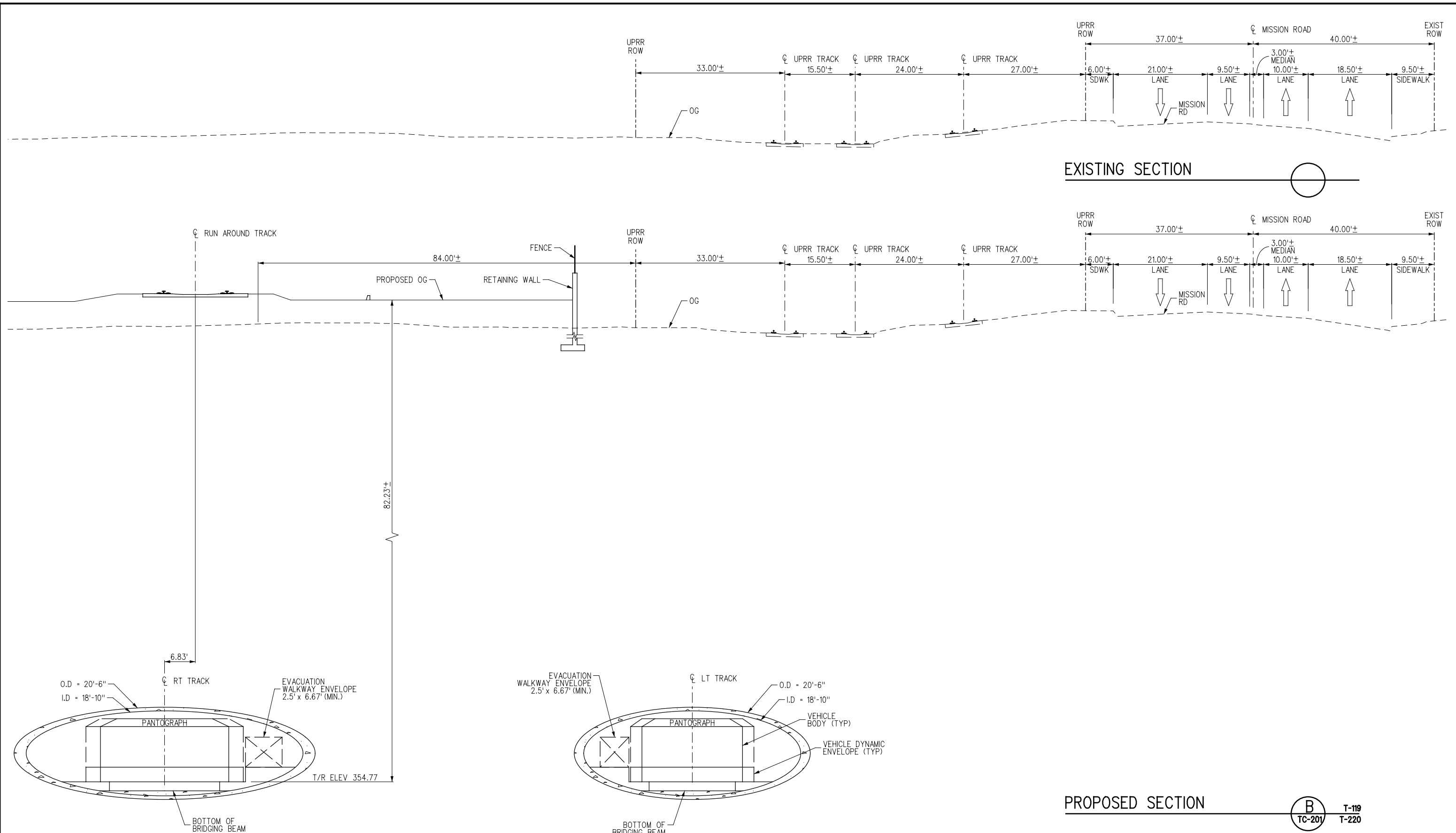
DESIGNED BY
A. GRANDOV
DRAWN BY
M. AL-MASHAT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
YARD TRACK ALIGNMENT
PROFILE
STA 29+50 TO STA 36+50

CONTRACT NO	
DRAWING NO T-221	REV
SCALE HORIZ: 1"=40' VERT: 1"=10'	SHEET NO



EXISTING SECTION

PROPOSED SECTION

B
TC-201 T-119
T-220

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

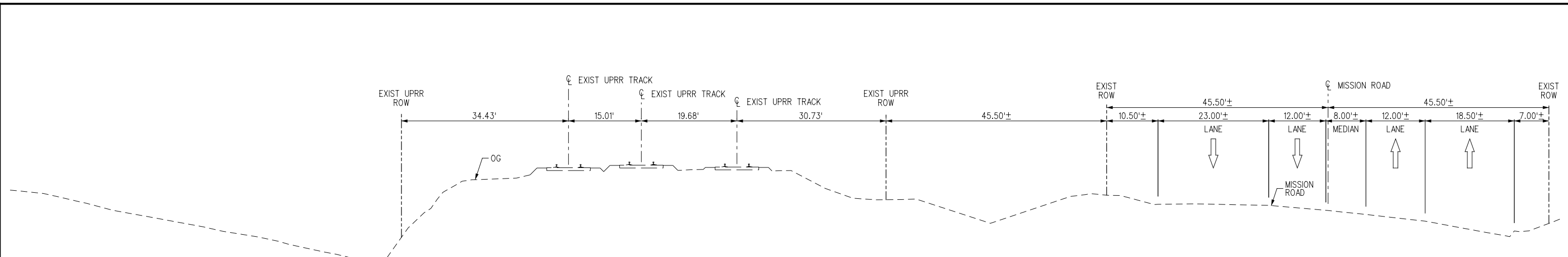
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

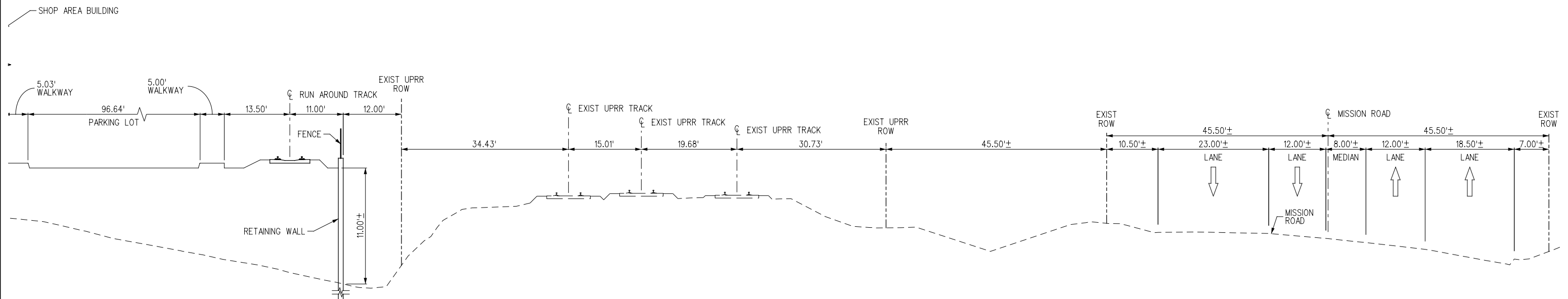
SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 YARD TRACK ALIGNMENT
 CROSS SECTIONS
 SHEET 1 OF 3


CONTRACT NO	
DRAWING NO TC-201	REV
SCALE NTS	SHEET NO

8/8/2013 3:32:39 PM USER:almashatm ...:\Sheets\710G-AC-TC-201.plt



EXISTING SECTION 




PROPOSED SECTION 

PRELIMINARY

C
TC-202 T-119
T-220

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

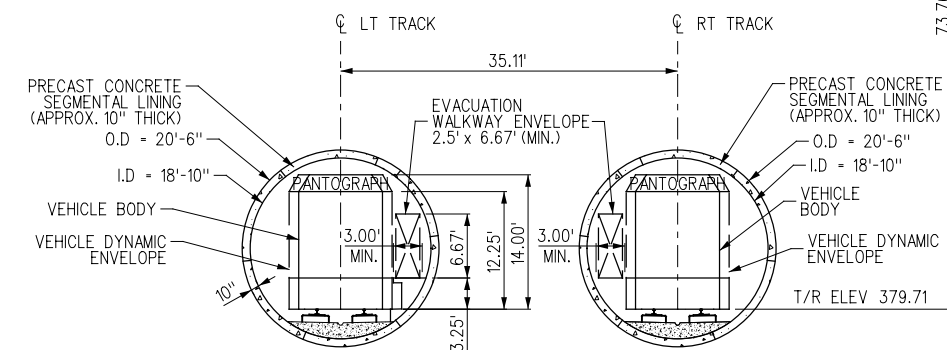
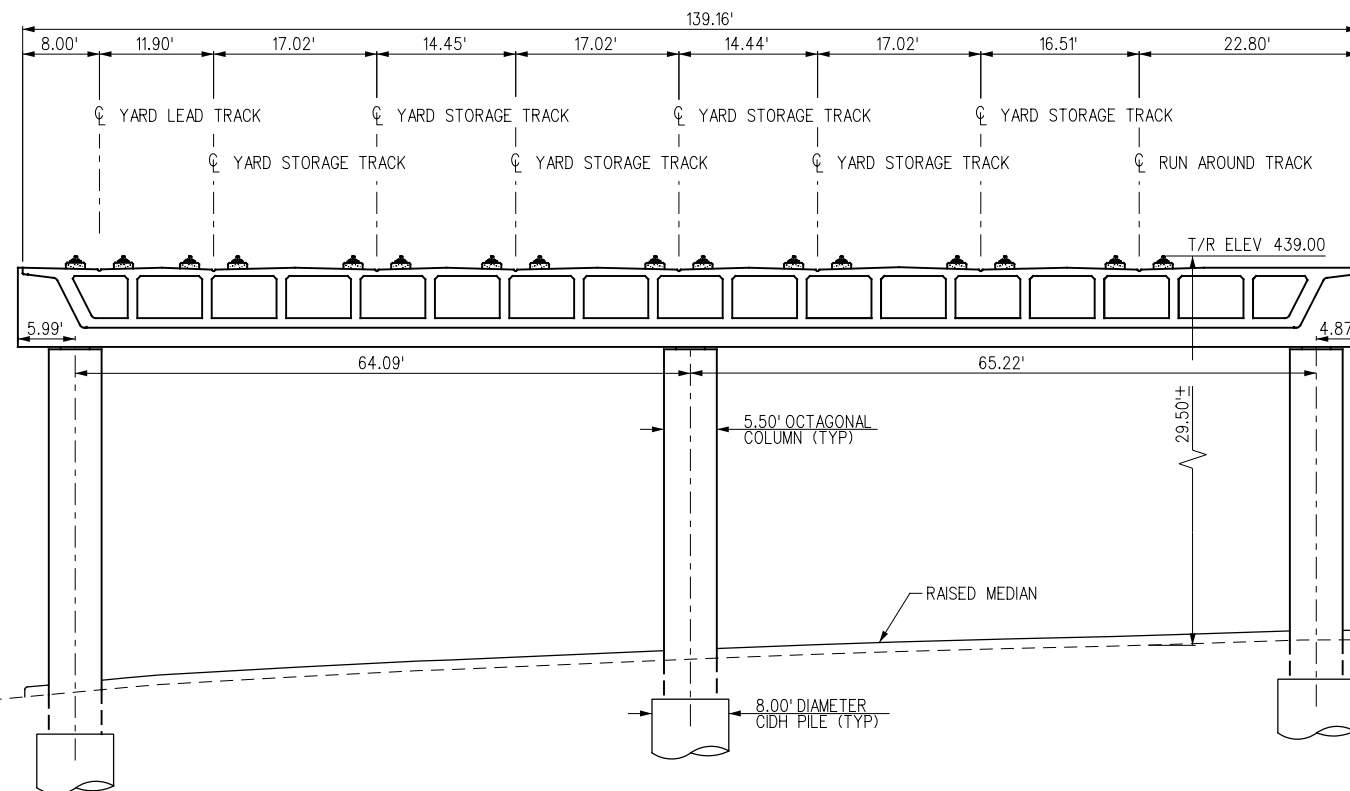
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

 **LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY**

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
YARD TRACK ALIGNMENT
CROSS SECTIONS
SHEET 2 OF 3

CONTRACT NO	
DRAWING NO TC-202	REV
SCALE NTS	
SHEET NO	

8/8/2013 3:32:47 PM USER=jmashatm ...\\Sheets\710G-AC-TC-202.plt Plot Driver=MTA_HALF-BW-Plot.plt



PROPOSED TYPICAL SECTION **A** T-118 T-218
TC-203

PRELIMINARY

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

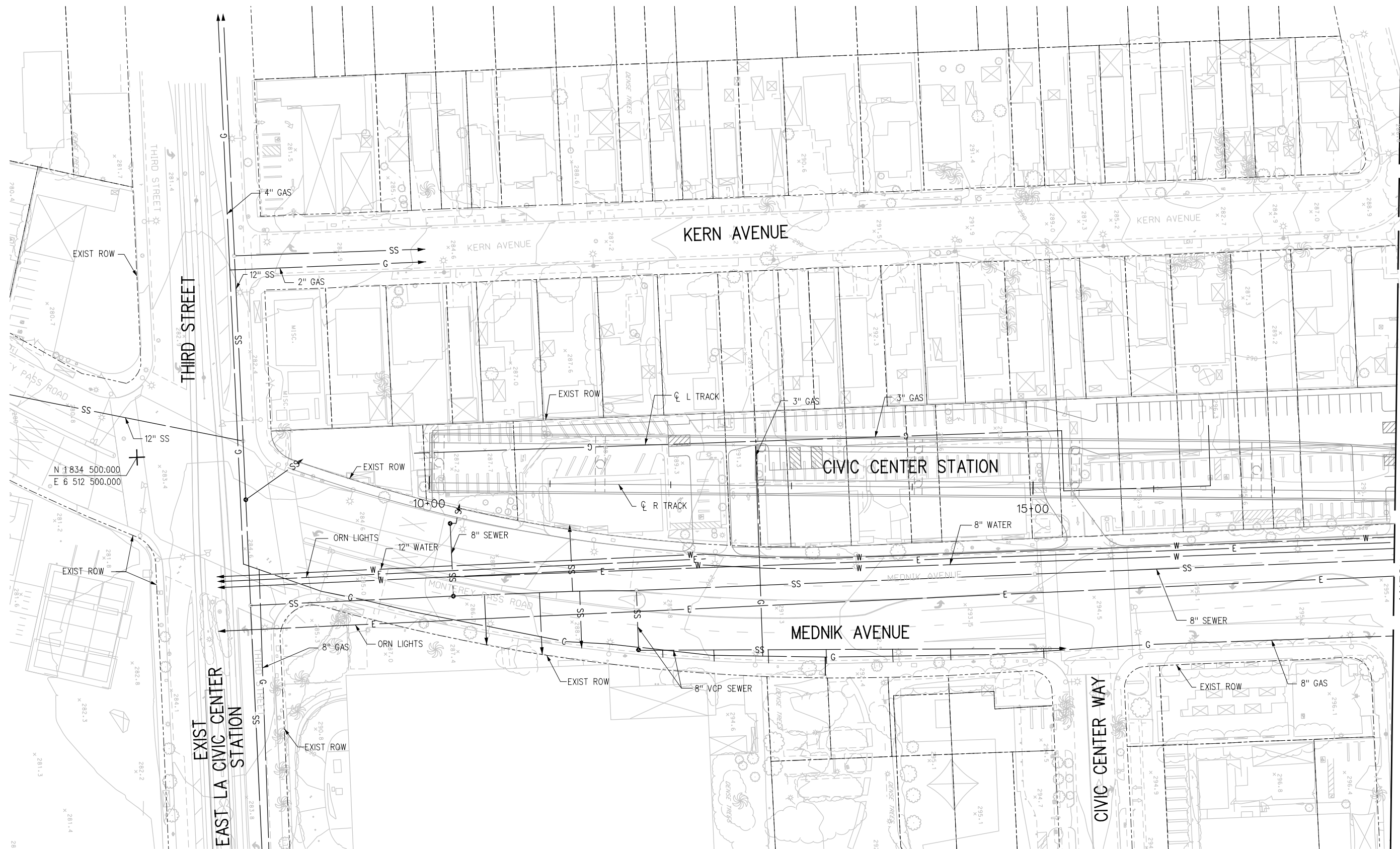
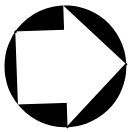
DESIGNED BY F. ALVARADO
DRAWN BY F. ALVARADO
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
YARD TRACK ALIGNMENT
CROSS SECTIONS
SHEET 3 OF 3

CONTRACT NO	
DRAWING NO	TC-203
SCALE	NTS
SHEET NO	

USER:alvarado01 12:26:31 PM 2/7/2014 ...:ng017454v706-ac-TC-203.plt Plot Driver: MTA_HALF-BW_Plot.plt Pentable: MTA_HALF-BW.plt



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), TEL. & C/S

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

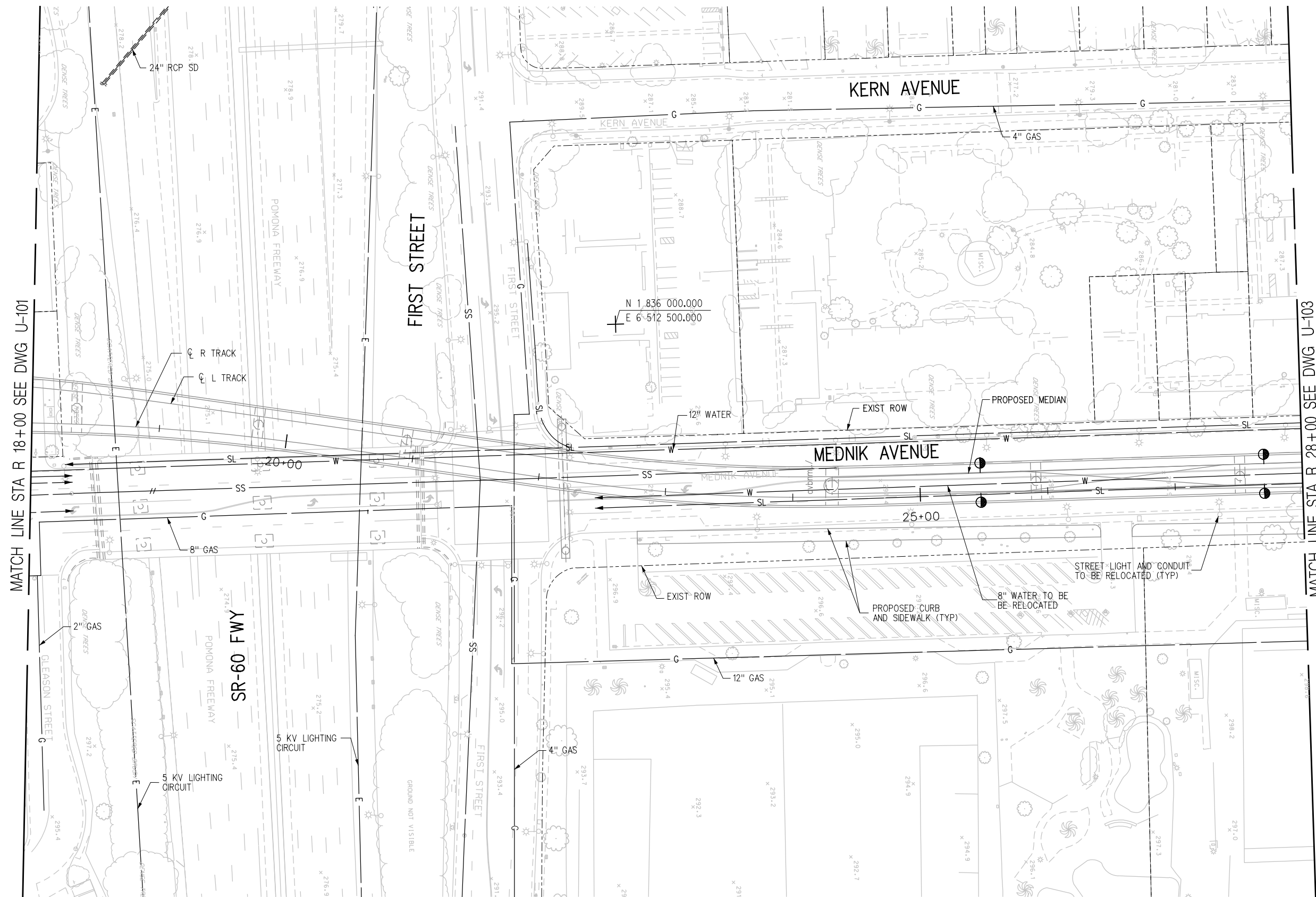
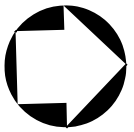
DESIGNED BY A MANDILAWI
DRAWN BY L GASTON
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 1 OF 41

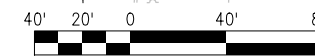
CONTRACT NO	
DRAWING NO U-101	REV
SCALE 1"=40'-0"	
SHEET NO	

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 2/5/2014
 ...\\nd01745367\106_AC-U-101.plt
 USER: d\aradot
 Model Name: Default



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
S.D, POWER (E), SS, TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

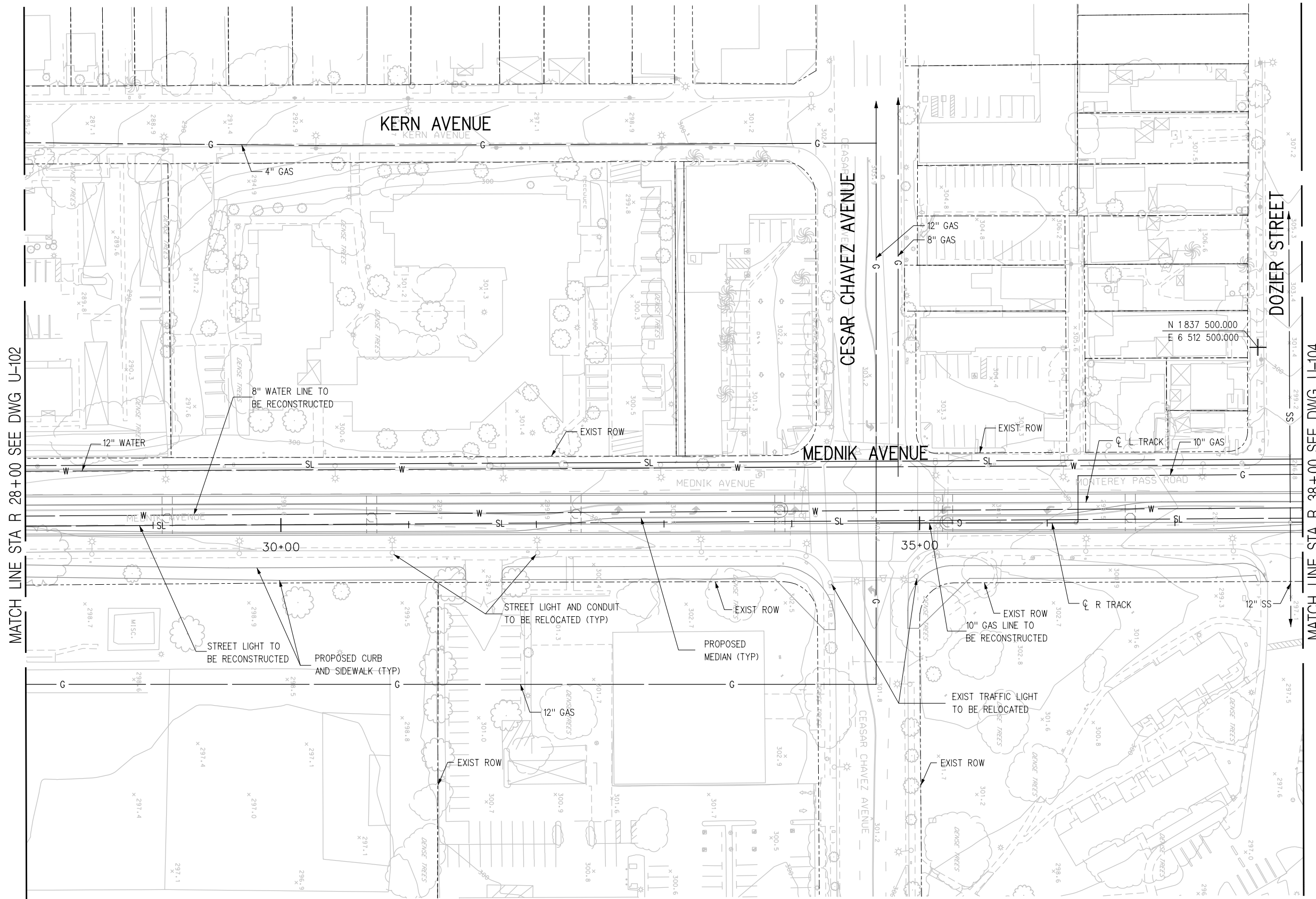
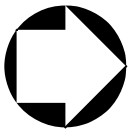
DESIGNED BY A MANDILAWI
DRAWN BY L GASTON
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 2 OF 41

CONTRACT NO	
DRAWING NO U-102	REV
SCALE 1" = 1' - 40"	
SHEET NO	



MATCH LINE STA R 28+00 SEE DWG U-102

MATCH LINE STA R 38+00 SEE DWG U-104

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
S.D, POWER (E), SS, TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

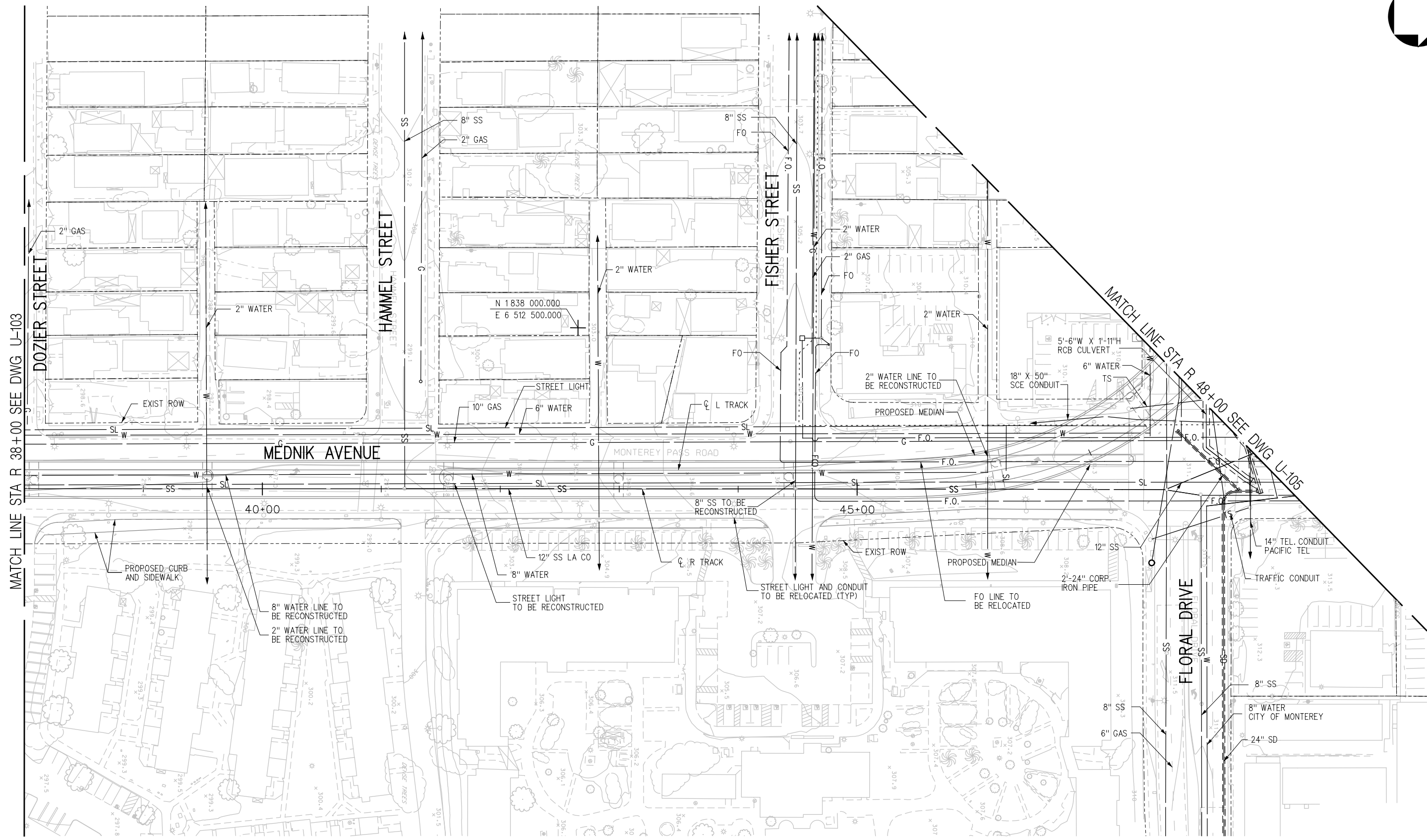
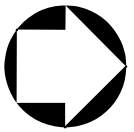
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 3 OF 41

CONTRACT NO	
DRAWING NO	REV
U-103	
SCALE	1" = 40' - 0"
SHEET NO	



MATCH LINE STA R 38+00 SEE DWG U-103

MATCH LINE STA R 48+00 SEE DWG U-105

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

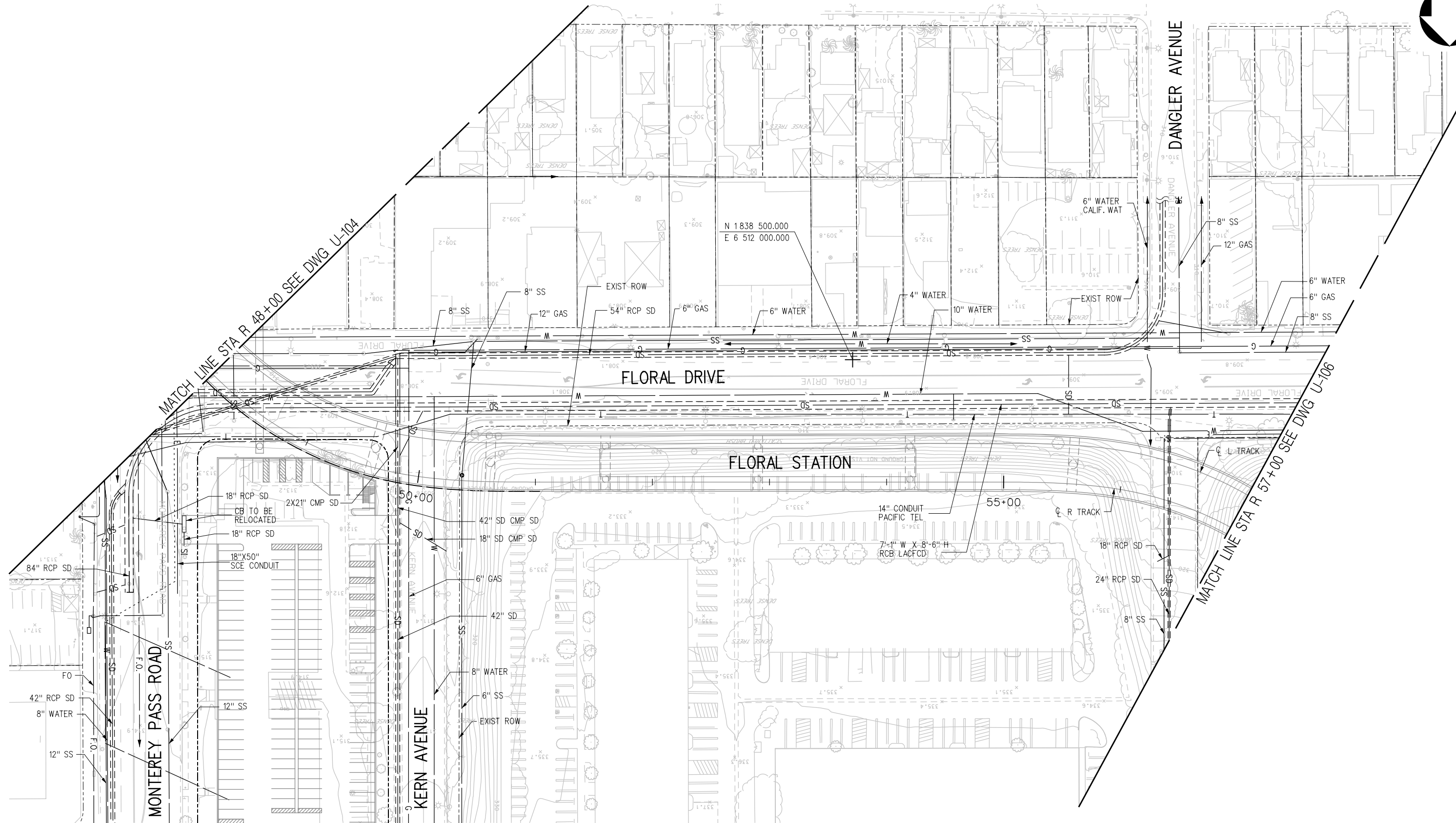
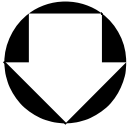
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 4 OF 41**

CONTRACT NO	
DRAWING NO U-104	REV
SCALE 1"=40'-0"	
SHEET NO	



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E) & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 5 OF 41

CONTRACT NO	
DRAWING NO	REV
U-105	
SCALE	
1"=40'-0"	
SHEET NO	



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
ALL THE PRIVATE PROPERTIES ALONG THE TRACK

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

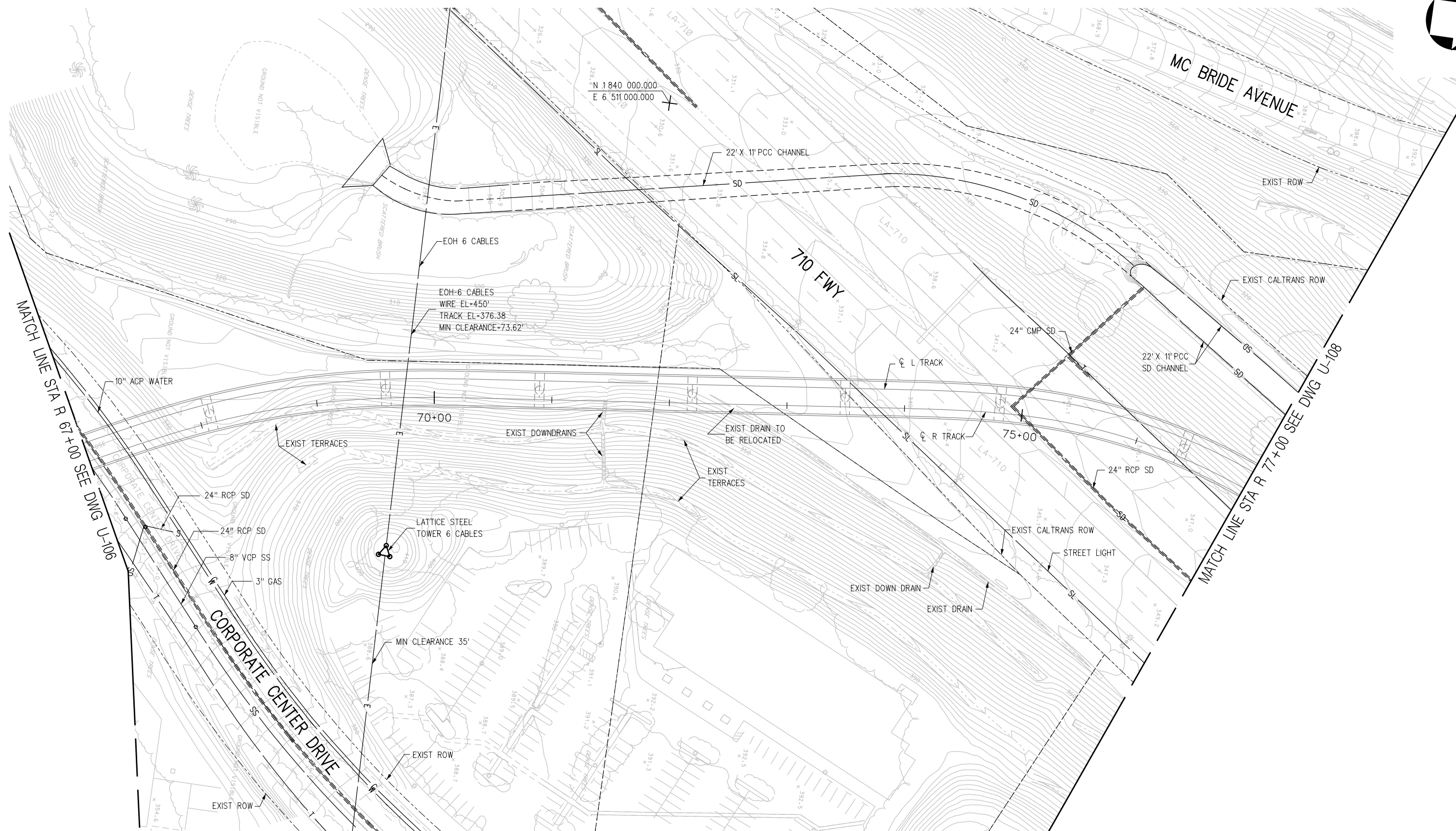
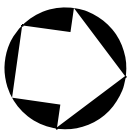
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 6 OF 41**

CONTRACT NO	
DRAWING NO	REV
U-106	
SCALE	1" = 40' - 0"
SHEET NO	



N 1840 000.000
E 6 511 000.000

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY
A MANDILAWI

DRAWN BY
L GASTON

CHECKED BY
N TIGO

IN CHARGE
J AL-MASHAT

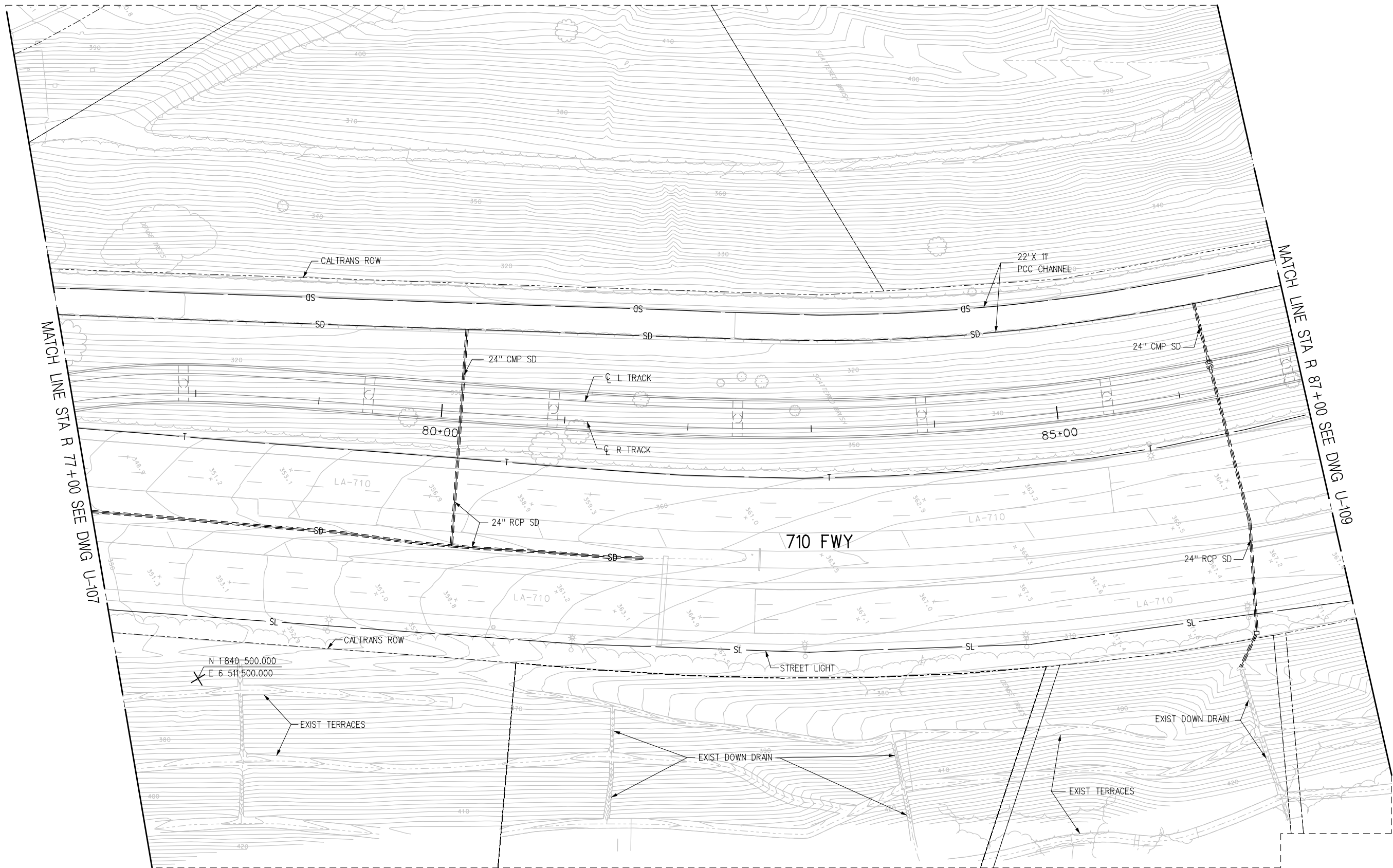
DATE
8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 7 OF 41

CONTRACT NO	
DRAWING NO U-107	REV
SCALE 1"=40'-0"	SHEET NO

Plot Driver: M:\AL_HALF_BW_PDF.plt
 2/5/2014 12:49 PM
 USER: d\aradot
 Model Name: Default



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, GAS, POWER (E), SS & TEL.



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

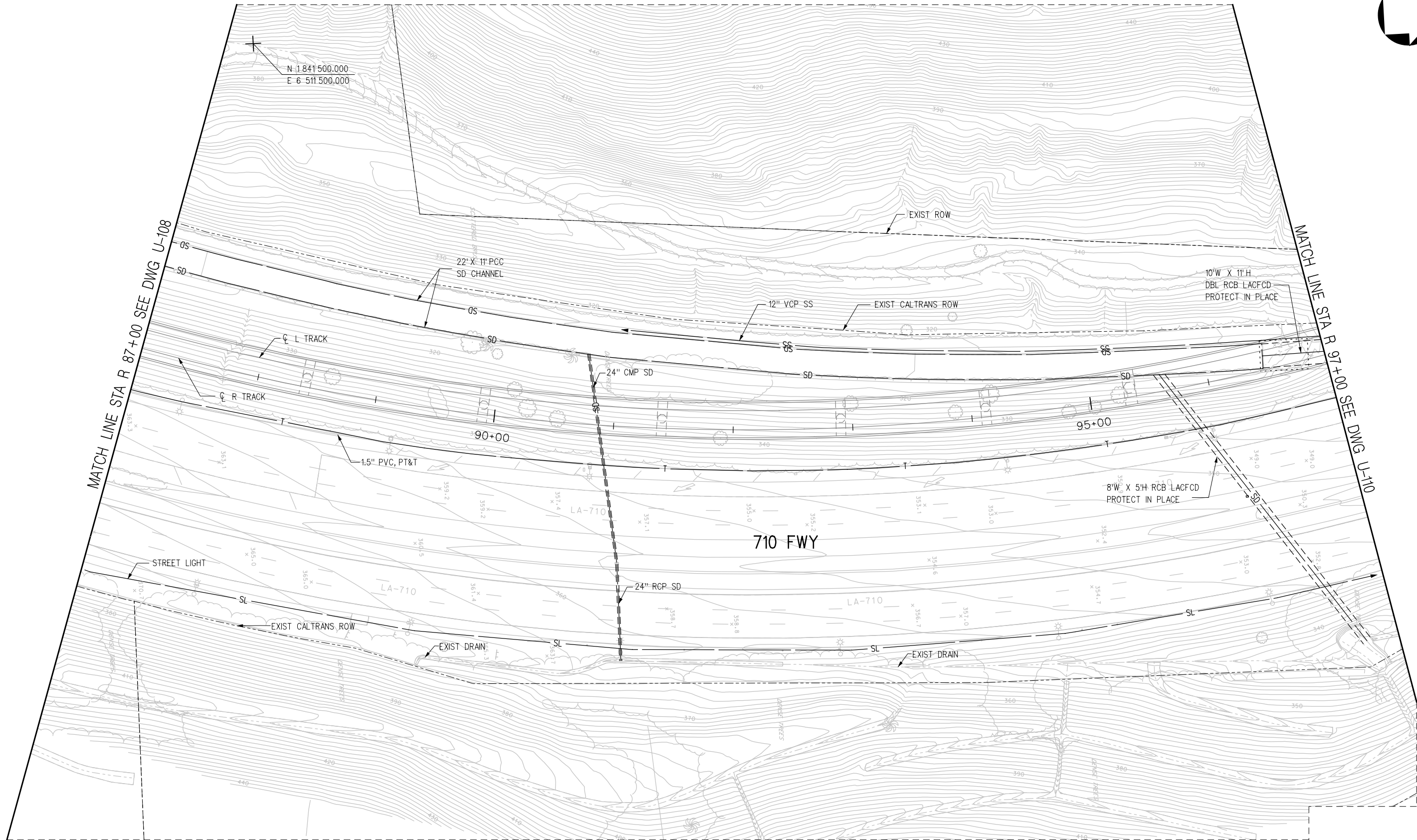
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 8 OF 41**

CONTRACT NO	
DRAWING NO U-108	REV
SCALE 1"=40'-0"	
SHEET NO	



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, GAS, POWER (E) & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY A MANDILAWI
DRAWN BY L GASTON
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

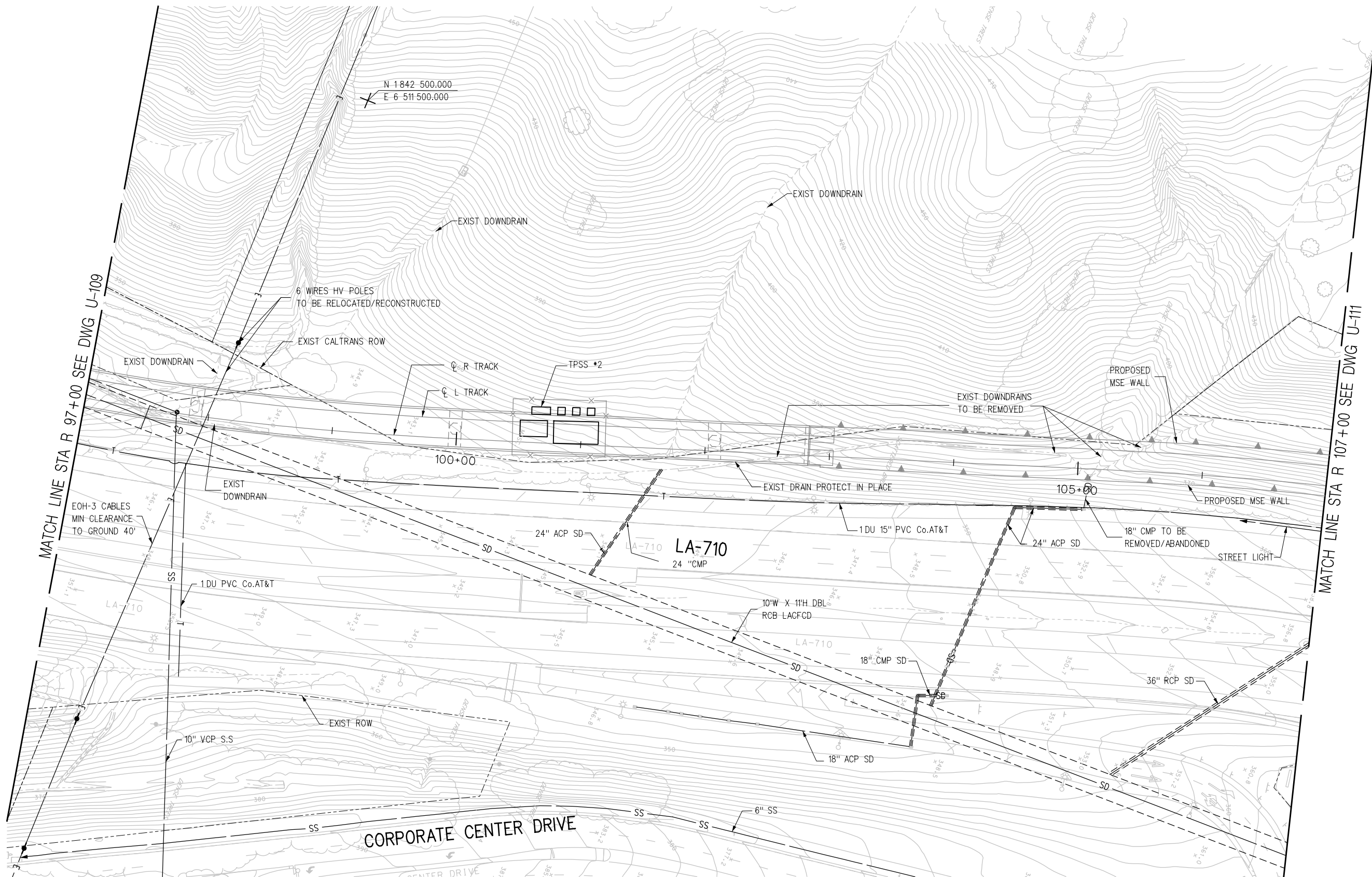
**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 9 OF 41**

CONTRACT NO	
DRAWING NO U-109	REV
SCALE 1"=40'-0"	
SHEET NO	

USER: davar0001 12:45:56 PM 2/25/2014 ...\\n00174536\710G-AC-U-109.plt Plot Driver: M:\HALF-BW-Plot.plt Pentable: M:\HALF-BW.tbl



N 1842 500.000
E 6 511 500.000



MATCH LINE STA R 97+00 SEE DWG U-109

MATCH LINE STA R 107+00 SEE DWG U-111

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, POWER (E) & GAS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

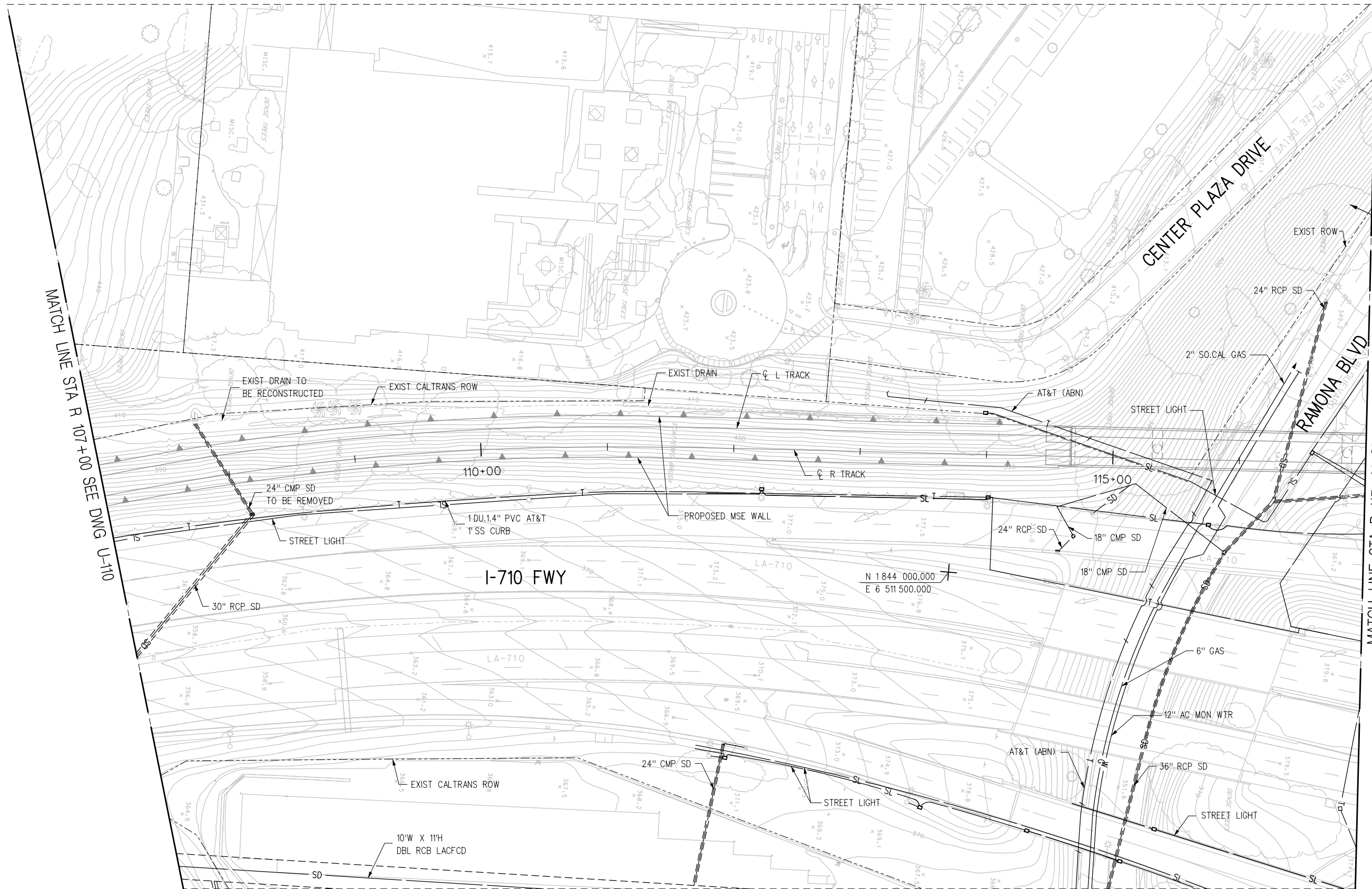
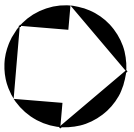
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 10 OF 41

CONTRACT NO	
DRAWING NO U-110	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 107+00 SEE DWG U-110

MATCH LINE STA R 117+00 SEE DWG U-112

PRELIMINARY

EXISTING UTILITIES INCOMPLETE FOR:
WATER, POWER (E), GAS & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

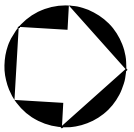
DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITY
SHEET 11 OF 41

CONTRACT NO	
DRAWING NO U-111	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 117+00 SEE DWG U-111

MATCH LINE STA R 128+00 SEE DWG U-113

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 12 OF 41**

CONTRACT NO	
DRAWING NO U-112	REV
SCALE 1"=40'-0"	SHEET NO

2/5/2014
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 Pentable= MTA\HALF-BW.tbl
 12:50:07 PM
 Model Name= Default



MATCH LINE STA R 128+00 SEE DWG U-112

MATCH LINE STA R 138+00 SEE DWG U-114

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, POWER (E) & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A MANDILAWI
DRAWN BY
L GASTON
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 13 OF 41**

CONTRACT NO	
DRAWING NO U-113	REV
SCALE 1"=40'-0"	SHEET NO

Plot Driver= M:\AL_HALF_BW_PDF.plt;g ... \n00174536\710G-AC-U-113.plg 2/5/2014 1:25:11 PM USER=alvaroadot



N 1847 000.000
E 6 512 000.000

MATCH LINE STA R 138+00 SEE DNG U-113

MATCH LINE STA R 148+00 SEE DNG U-115


PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, GAS, POWER (E) & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

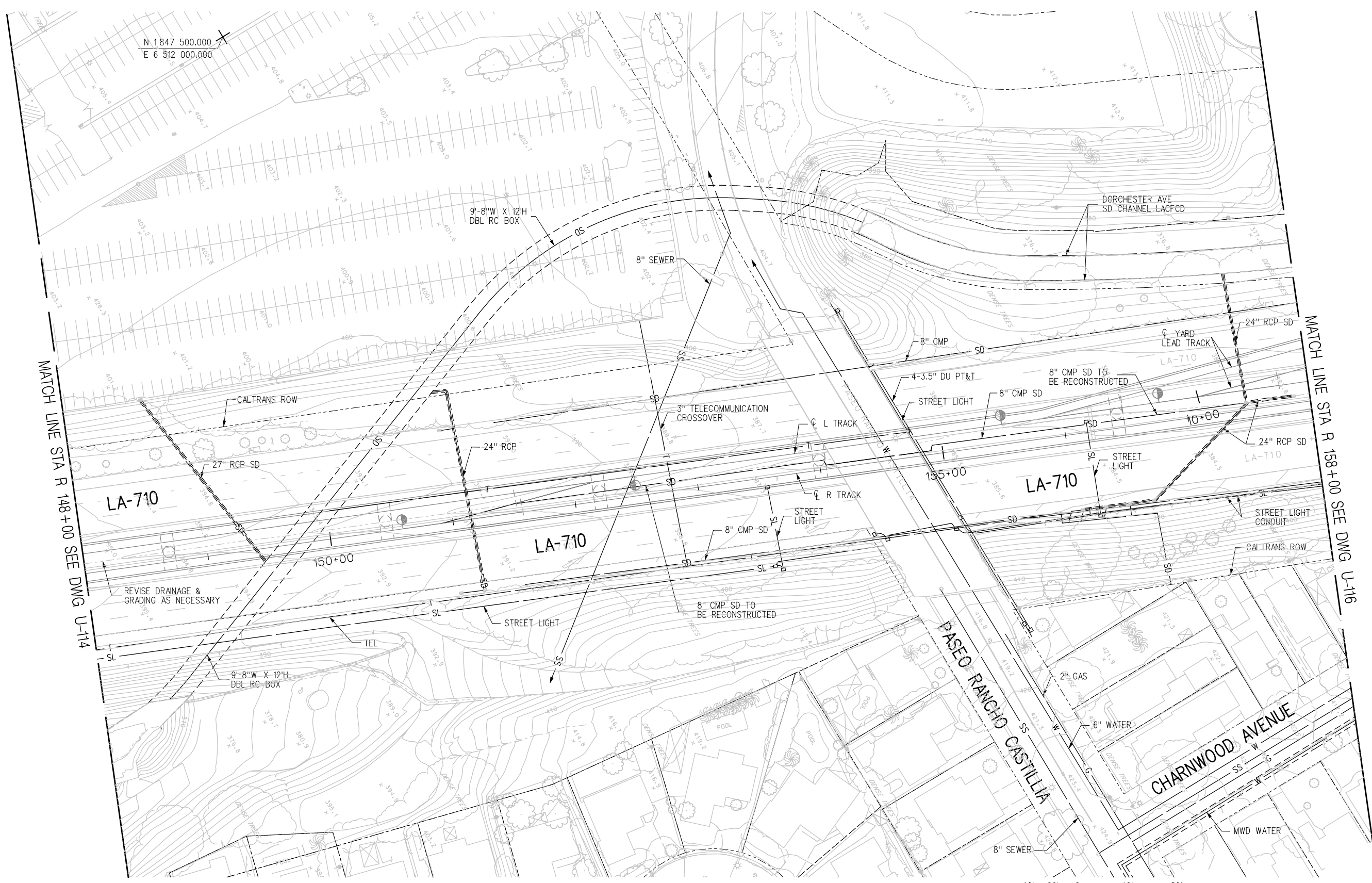
DESIGNED BY A MANDILAWI
DRAWN BY L GASTON
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 14 OF 41

CONTRACT NO	
DRAWING NO U-114	REV
SCALE 1"=40'-0"	
SHEET NO	

Plot Driver: M:\HALF-BW-PDF.plt;gig
 2/25/2014 1:25:15 PM
 USER: davaradot
 Pentable: M:\HALF-BW.plt



N 1847 500.000
E 6 512 000.000

MATCH LINE STA R 148+00 SEE DWG U-114

MATCH LINE STA R 158+00 SEE DWG U-116

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, POWER (E) & SS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

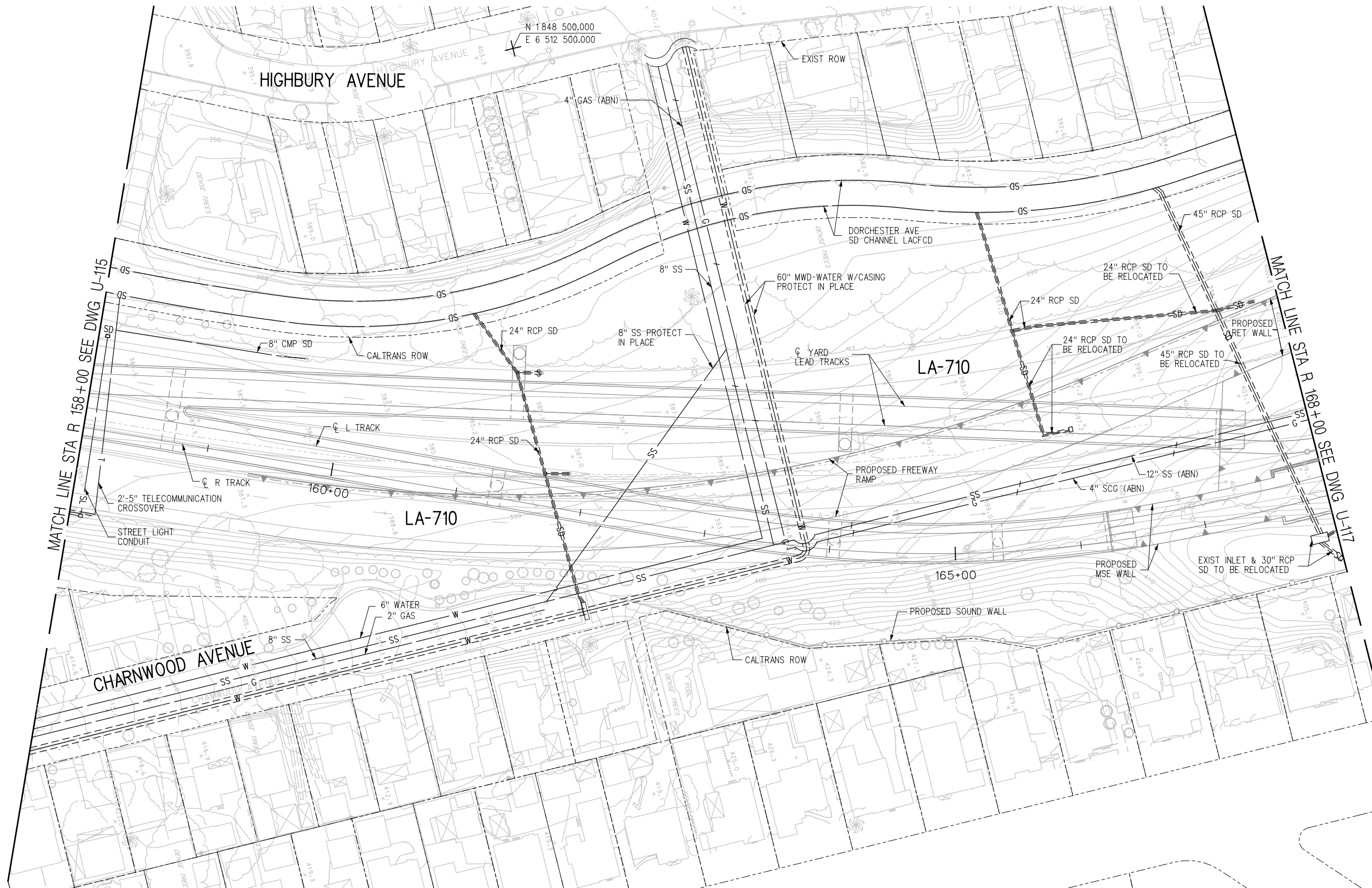


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 15 OF 41**

CONTRACT NO	
DRAWING NO U-115	REV
SCALE 1"=40'-0"	
SHEET NO	

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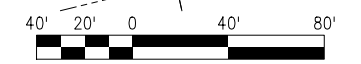
N 1848 500.000
E 6 512 500.000

MATCH LINE STA R 158+00 SEE DWG U-115

MATCH LINE STA R 168+00 SEE DWG U-117

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), C/S & TEL.



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

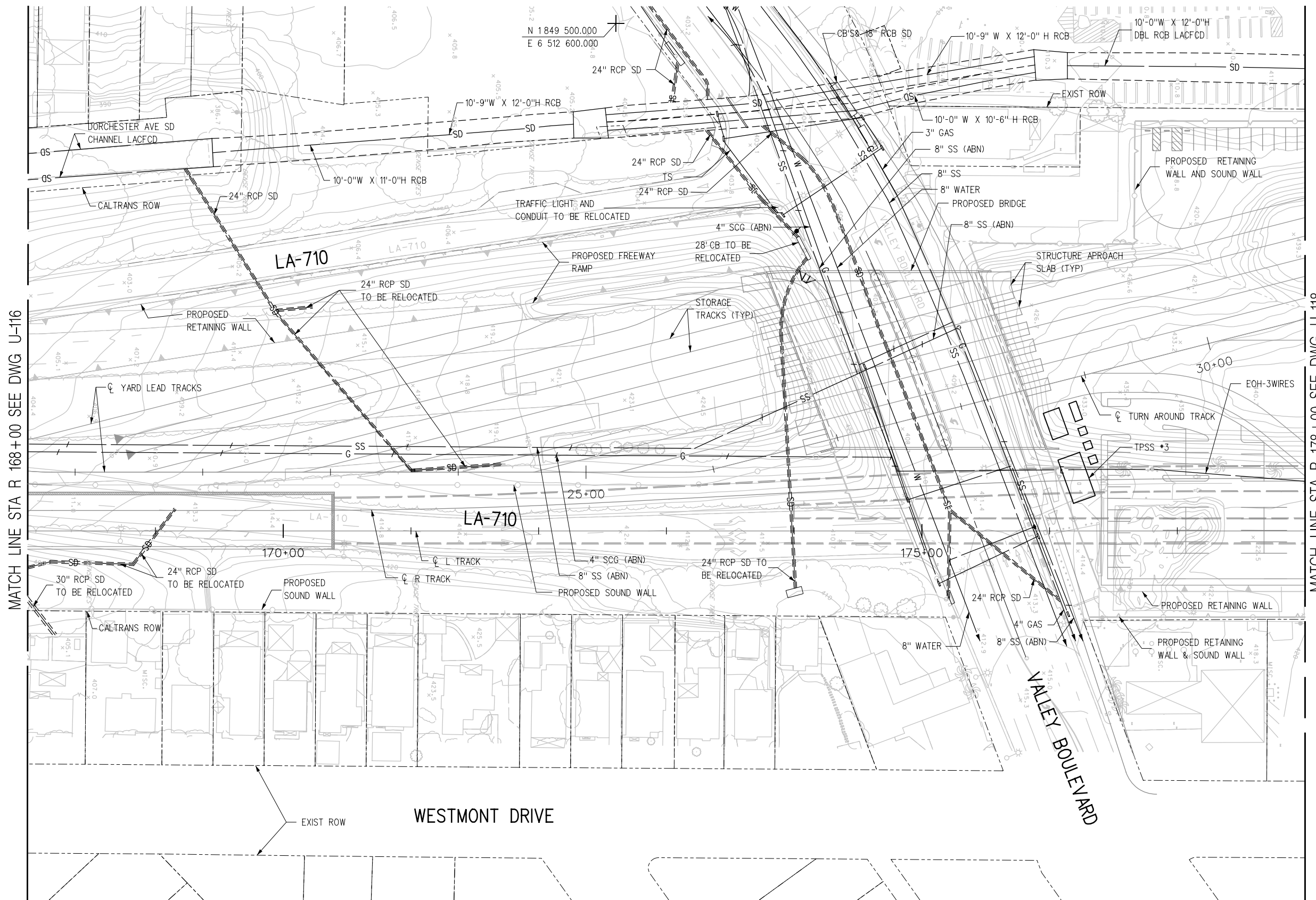
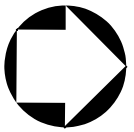


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 16 OF 41

CONTRACT NO	
DRAWING NO U-116	REV
SCALE 1"=40'-0"	
SHEET NO	

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 USER=alvaroadot



MATCH LINE STA R 168+00 SEE DWG U-116

MATCH LINE STA R 178+00 SEE DWG U-118

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

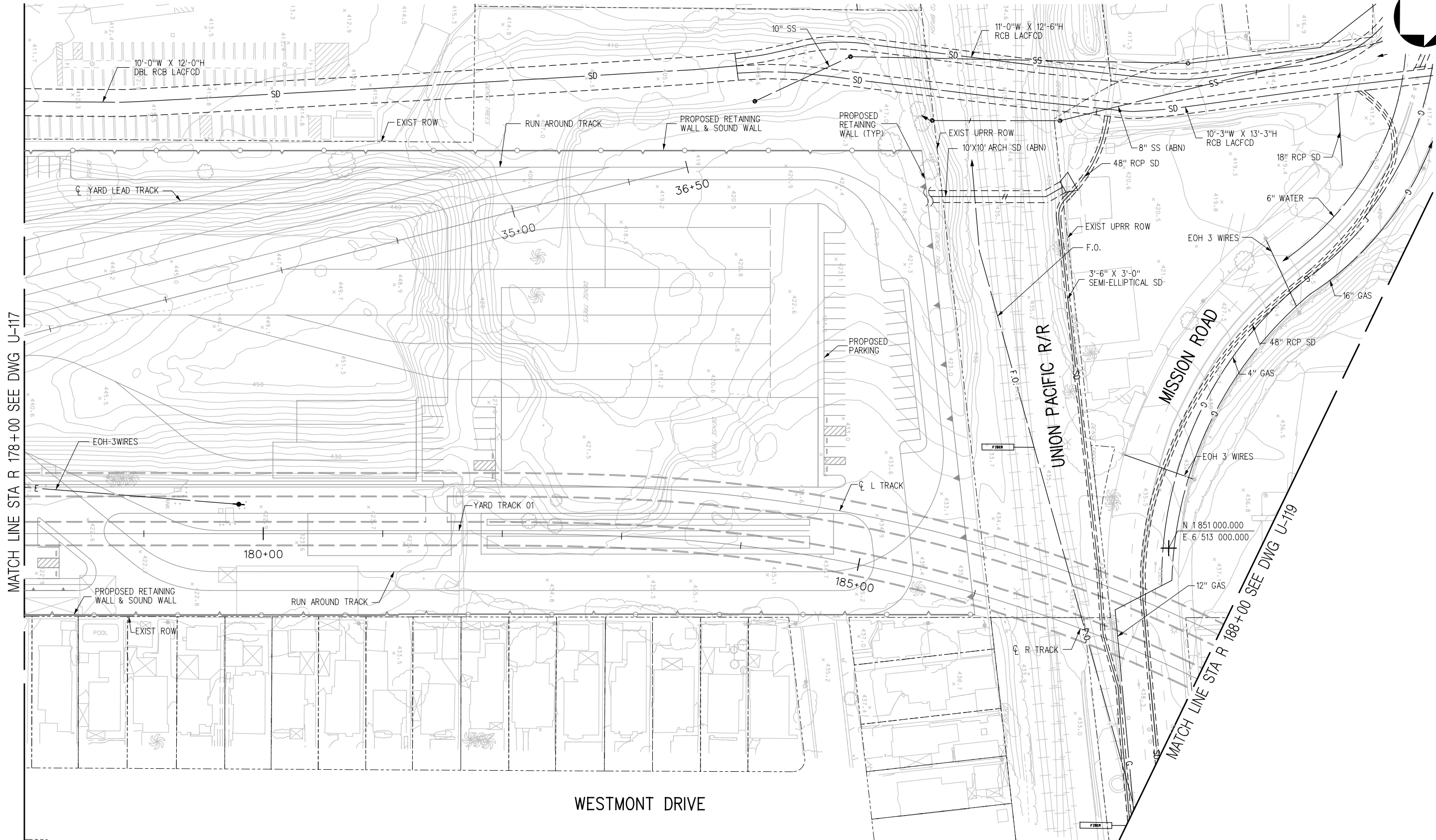
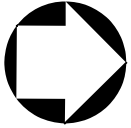
DESIGNED BY G PHILIP
DRAWN BY A MANDILAWI
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 17 OF 41

CONTRACT NO	
DRAWING NO U-117	REV
SCALE 1"=40'-0"	
SHEET NO	

Plot Driver= M:\AL_HALF_BW_PDF.plt
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 Model Name= Default



MATCH LINE STA R 178+00 SEE DWG U-117

MATCH LINE STA R 188+00 SEE DWG U-119

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, POWER (E), SS & TEL.

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP

DRAWN BY
A MANDILAWI

CHECKED BY
N TIGO

IN CHARGE
J AL-MASHAT

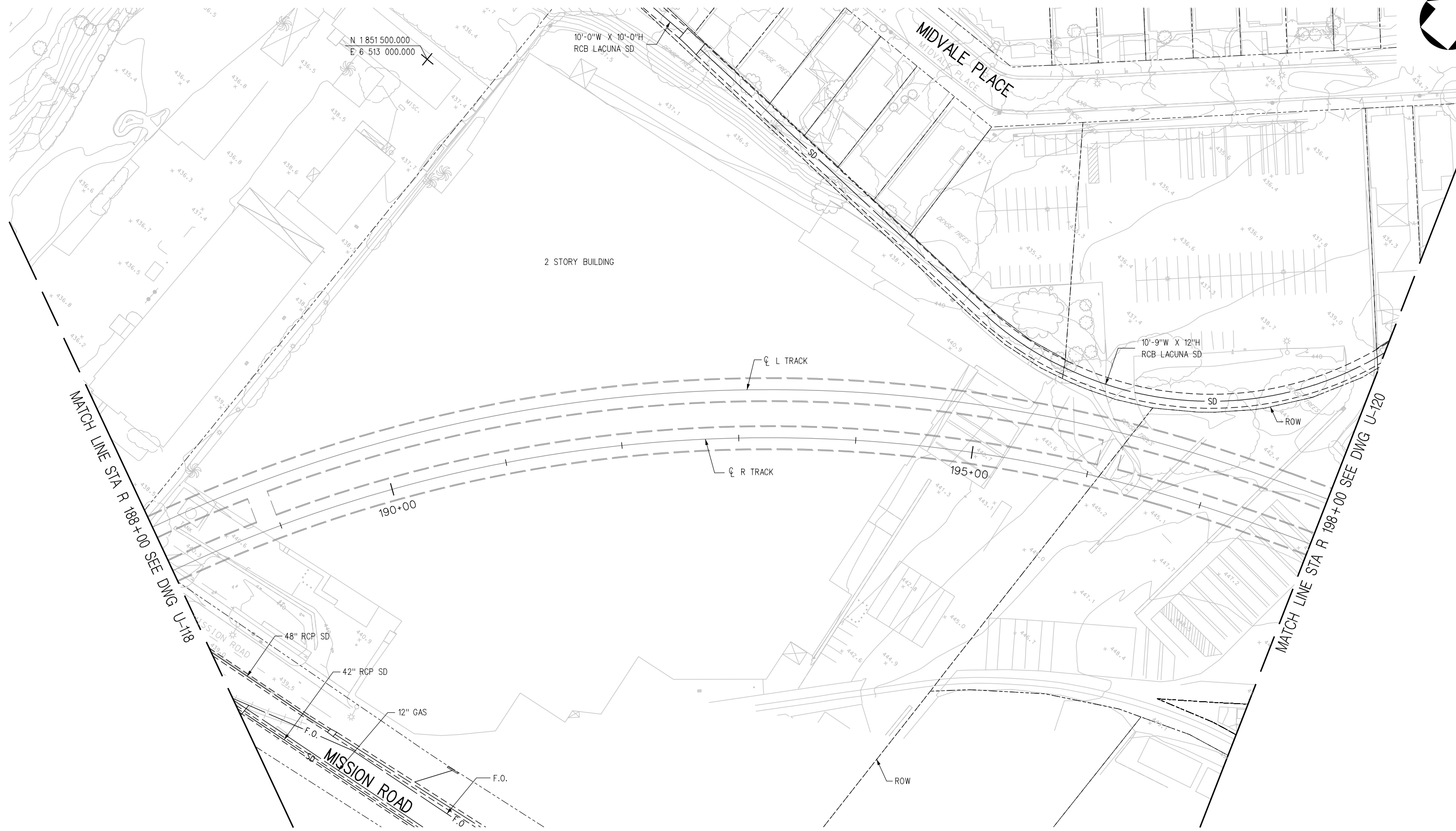
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 18 OF 41**

CONTRACT NO	
DRAWING NO U-118	REV
SCALE 1"=40'-0"	
SHEET NO	



N 1851 500.000
E 6 513 000.000

10'-0"W X 10'-0"H
RCB LACUNA SD

10'-9"W X 12"H
RCB LACUNA SD

MATCH LINE STA R 188+00 SEE DWG U-118

MATCH LINE STA R 198+00 SEE DWG U-120

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
WATER, POWER (E), SS & TEL.



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J-ALMASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 19 OF 41

CONTRACT NO	
DRAWING NO U-119	REV
SCALE 1"=40'-0"	SHEET NO

2/5/2014 12:53:36 PM ...\\g0174536\710G-AC-U-119.plt Plot Driver= M:\HALF-BW-PDF.plt Pentable= M:\HALF-BW.plt



MATCH LINE STA R 198+00 SEE DWG U-119

MATCH LINE STA R 208+00 SEE DWG U-121

N 1 852 000.000
E 6 514 000.000

10'-9\"/>

200+00

205+00



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), TEL. & C/S

THE PREPARATION OF THIS
DRAWING HAS BEEN FINANCED BY
THE TAXES OF THE CITIZENS OF
LOS ANGELES COUNTY AND OF
THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

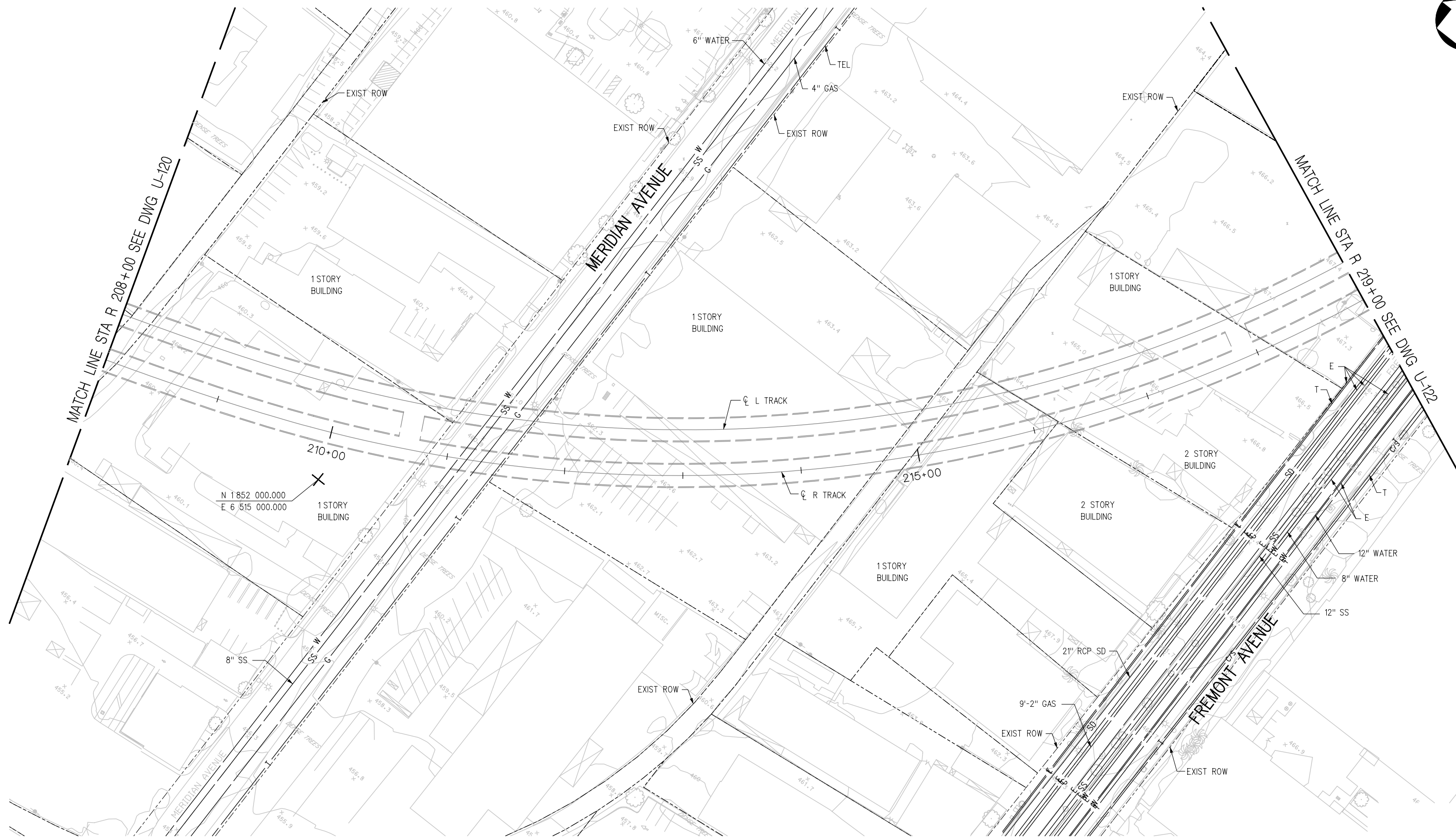
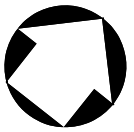


**LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY**

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 20 OF 41

CONTRACT NO	
DRAWING NO U-120	REV
SCALE 1"=40'-0"	
SHEET NO	

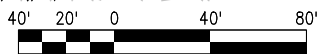
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 2/5/2014 12:53:39 PM
 ...\\d0174536\710G-AC-U-120.plt
 Plot Driver: M:\HALF-BW-PDF.plt
 Pentable: M:\HALF-BW.plt



MATCH LINE STA R 208+00 SEE DWG U-120

MATCH LINE STA R 219+00 SEE DWG U-122

N 1 852 000.000
E 6 515 000.000



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E)

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

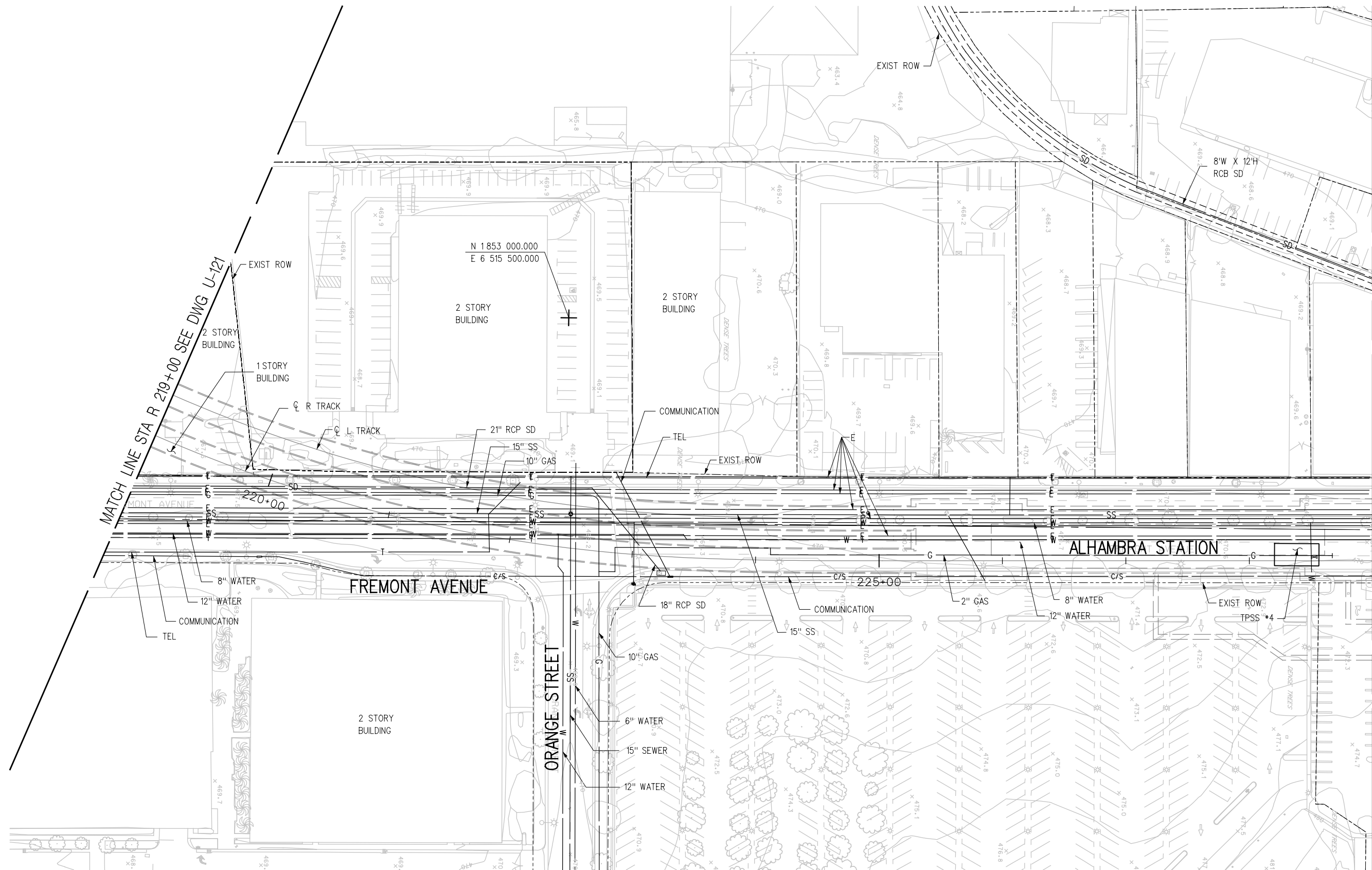
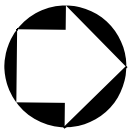


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 21 OF 41

CONTRACT NO	
DRAWING NO U-121	REV
SCALE 1"=40'-0"	SHEET NO

Plot Driver: M:\HALF-BW-PDF-plotter
 ... \nd0174536\710G-AC-U-121.plt
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 Model Name: Default



MATCH LINE STA R 219+00 SEE DWG U-121

MATCH LINE STA R 229+00 SEE DWG U-123

N 1 853 000.000
E 6 515 500.000

2 STORY BUILDING

2 STORY BUILDING

FREMONT AVENUE

ORANGE STREET

ALHAMBRA STATION

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD & POWER (E)



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

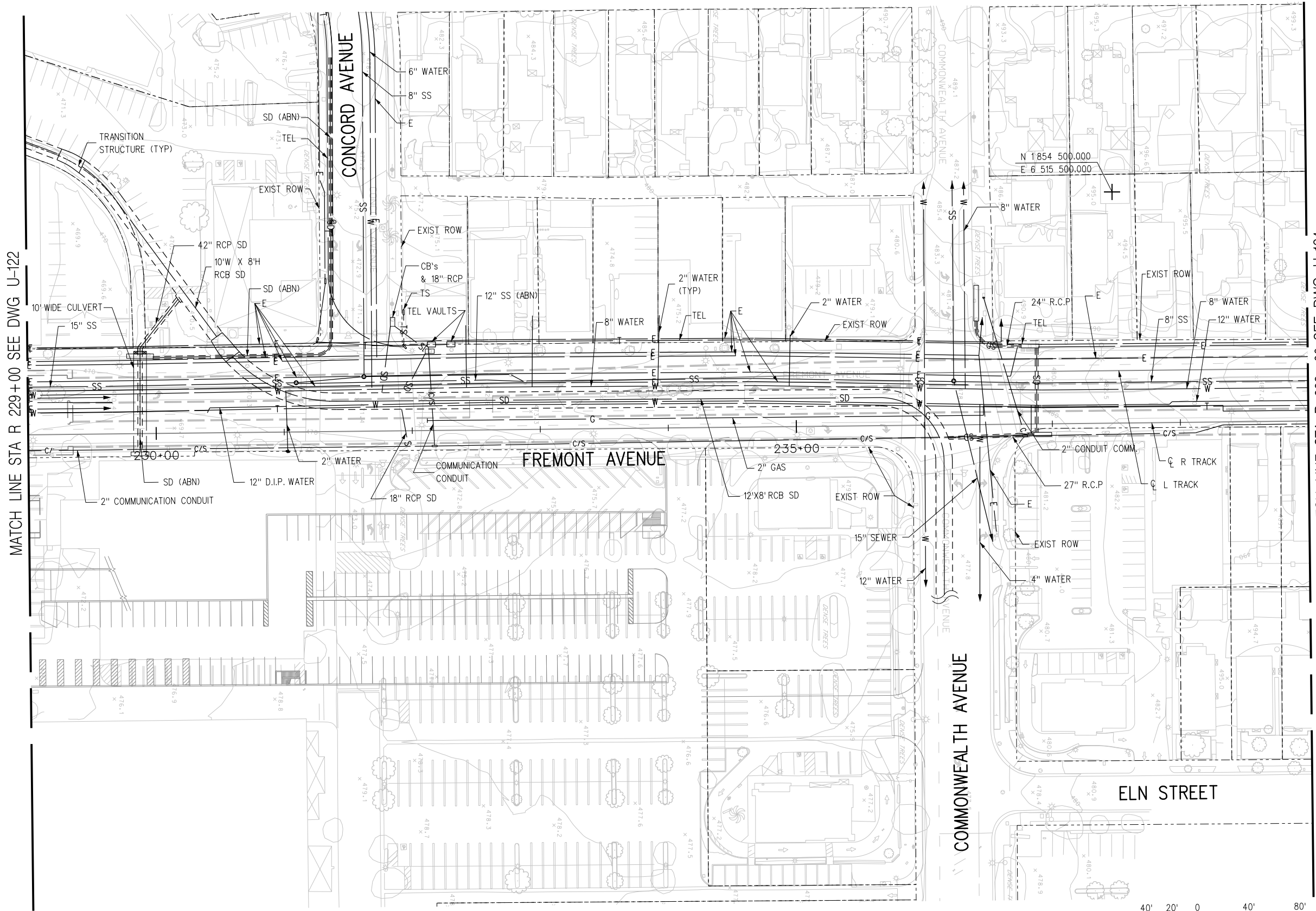
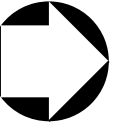


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 22 OF 41

CONTRACT NO	
DRAWING NO U-122	REV
SCALE 1"=40'-0"	
SHEET NO	

2/5/2014 1:25:46 PM ...\\n00174536\710G-AC-U-122.pig Plot Driver= M:\HALF-BW-Plot.pptg Pentable= M:\HALF-BW1



MATCH LINE STA R 229+00 SEE DWG U-122

MATCH LINE STA R 239+00 SEE DWG U-124



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD & POWER (E)

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY G PHILIP
DRAWN BY A MANDILAWI
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 02-06-2014



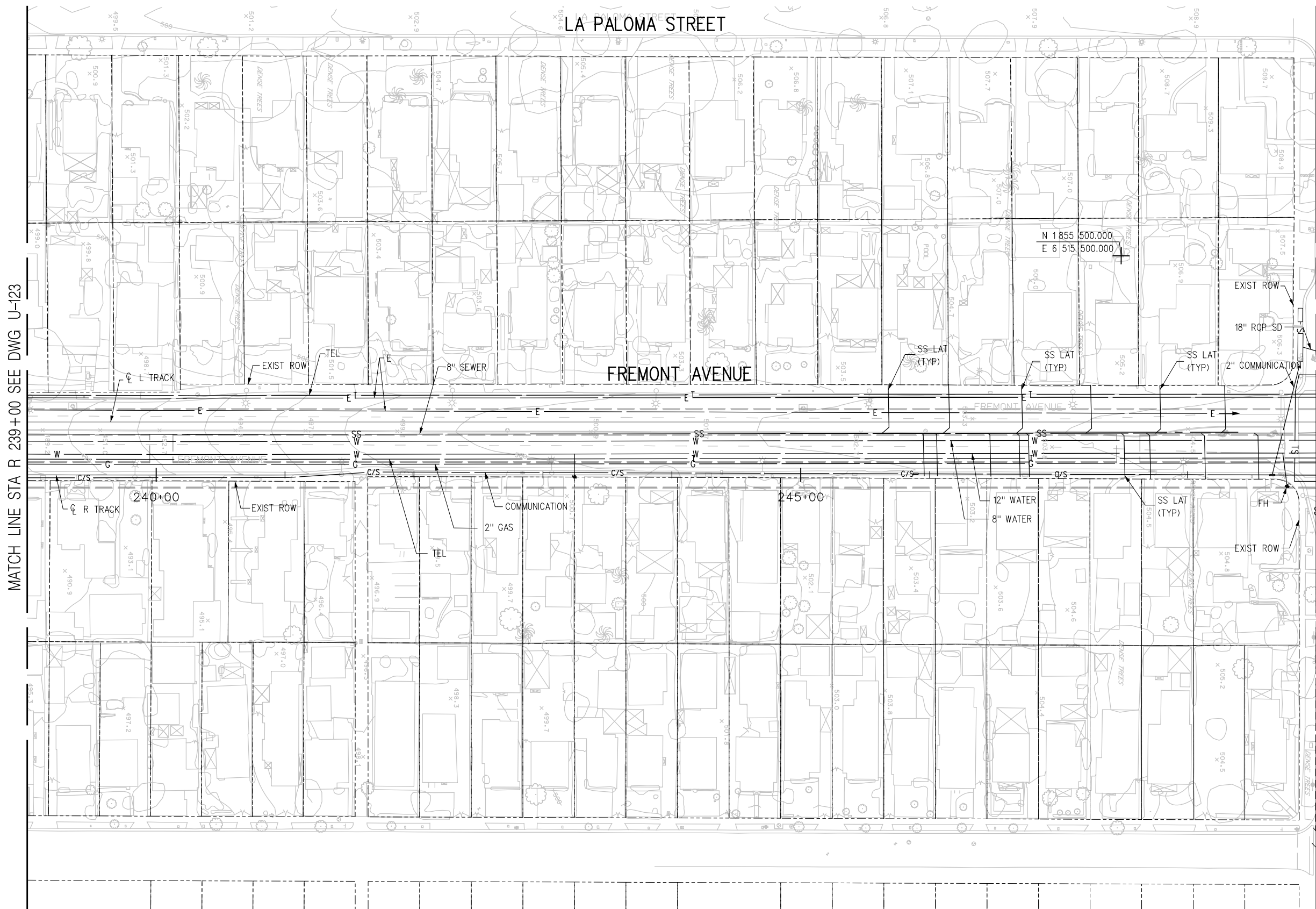
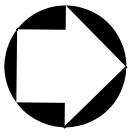
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 23 OF 41**

CONTRACT NO	
DRAWING NO U-123	REV
SCALE 1" = 40' - 0"	SHEET NO

3/16/03 PM 2/7/2014 \\denwpu\pwwcsjob_working\25264\174536_56\7100_AC-U-123.dwg Plot Driver= iplofdrvm.plt Pentacube= 4268005-EW1.EI

Model Name= Default

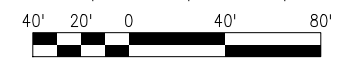


MATCH LINE STA R 239+00 SEE DWG U-123

MATCH LINE STA R 249+00 SEE DWG U-125

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD & POWER (E)



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

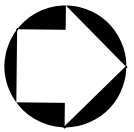
DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

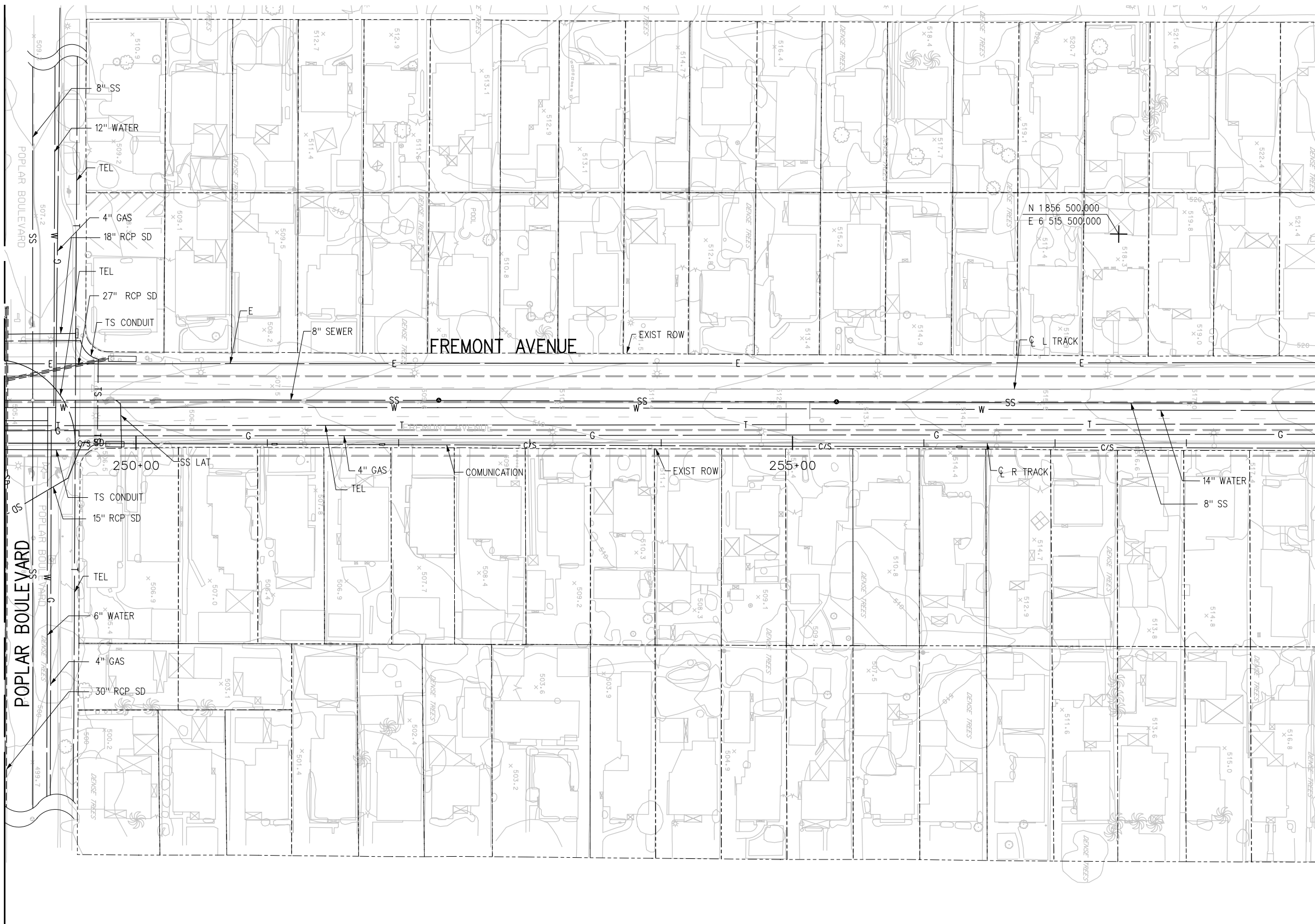
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 24 OF 41

CONTRACT NO	
DRAWING NO U-124	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 249+00 SEE DWG U-124

MATCH LINE STA R 259+00 SEE DWG U-126



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR :
SD

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP

DRAWN BY
A MANDILAWI

CHECKED BY
N TIGO

IN CHARGE
J AL-MASHAT

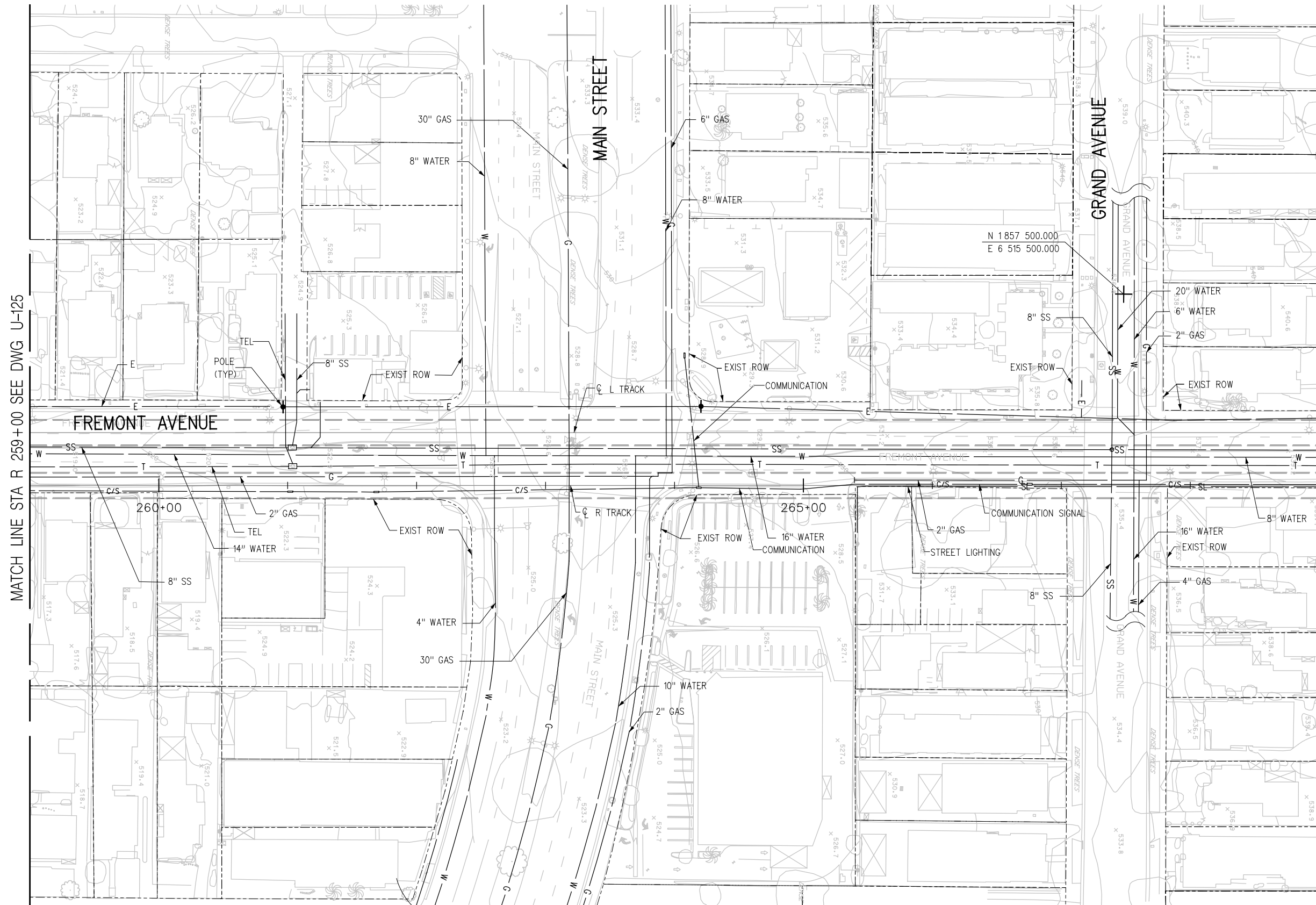
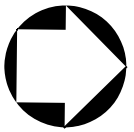
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 25 OF 41

CONTRACT NO	
DRAWING NO U-125	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 259+00 SEE DWG U-125

MATCH LINE STA R 269+00 SEE DWG U-127

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD & POWER (E)



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

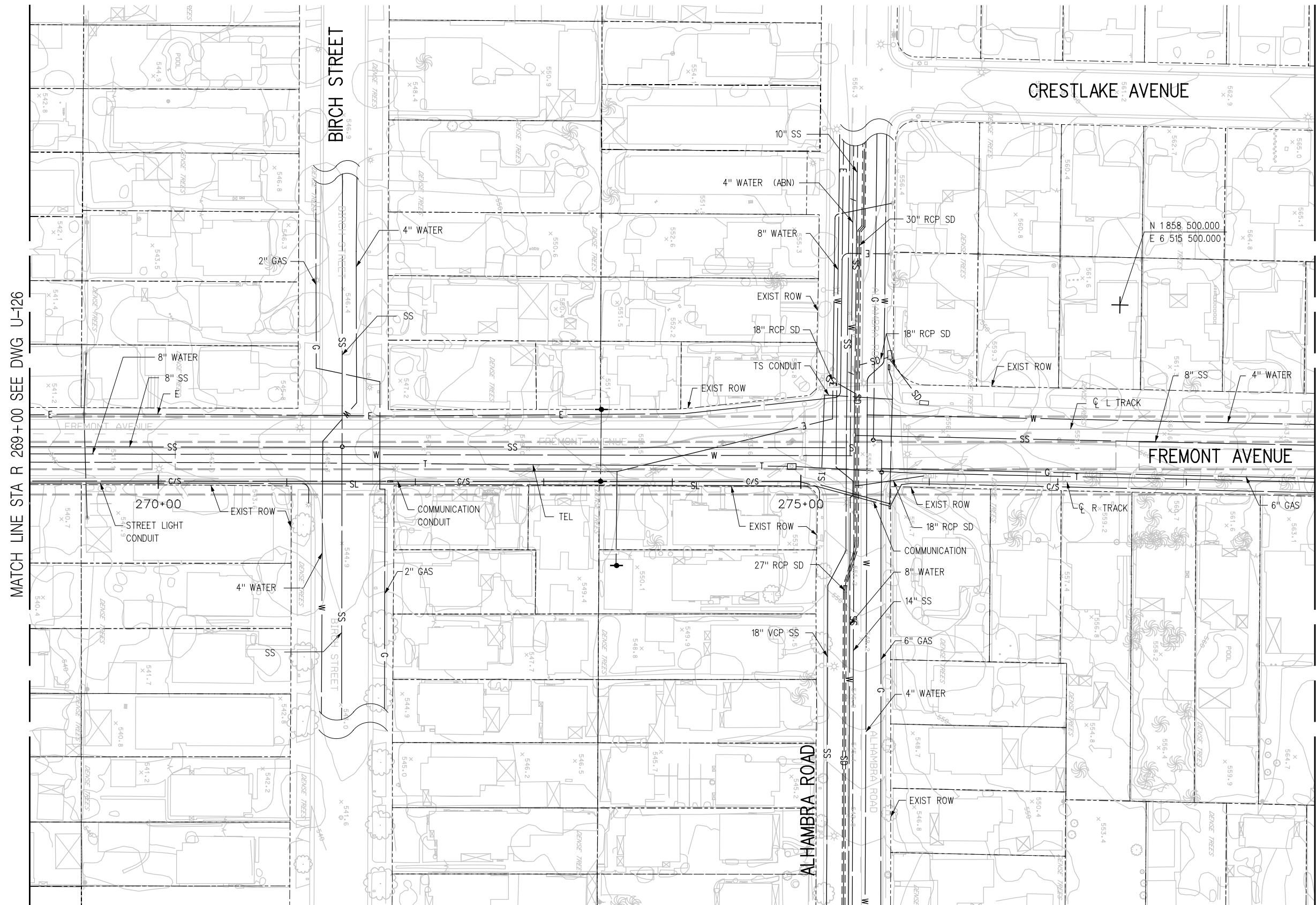
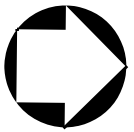
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY G PHILIP
DRAWN BY A MANDILAWI
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 26 OF 41

CONTRACT NO	
DRAWING NO U-126	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 269+00 SEE DWG U-126

MATCH LINE STA R 279+00 SEE DWG U-128

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD & POWER (E)



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
G PHILIP
DRAWN BY
A MANDILAWI
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 27 OF 41

CONTRACT NO	
DRAWING NO U-127	REV
SCALE 1"=40'-0"	SHEET NO



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, TEL. & C/S

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 28 OF 41

CONTRACT NO	
DRAWING NO U-128	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 288+00 SEE DWG U-128

MATCH LINE STA R 297+00 SEE DWG U-130


PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY L GASTON
DRAWN BY G PHILIP
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

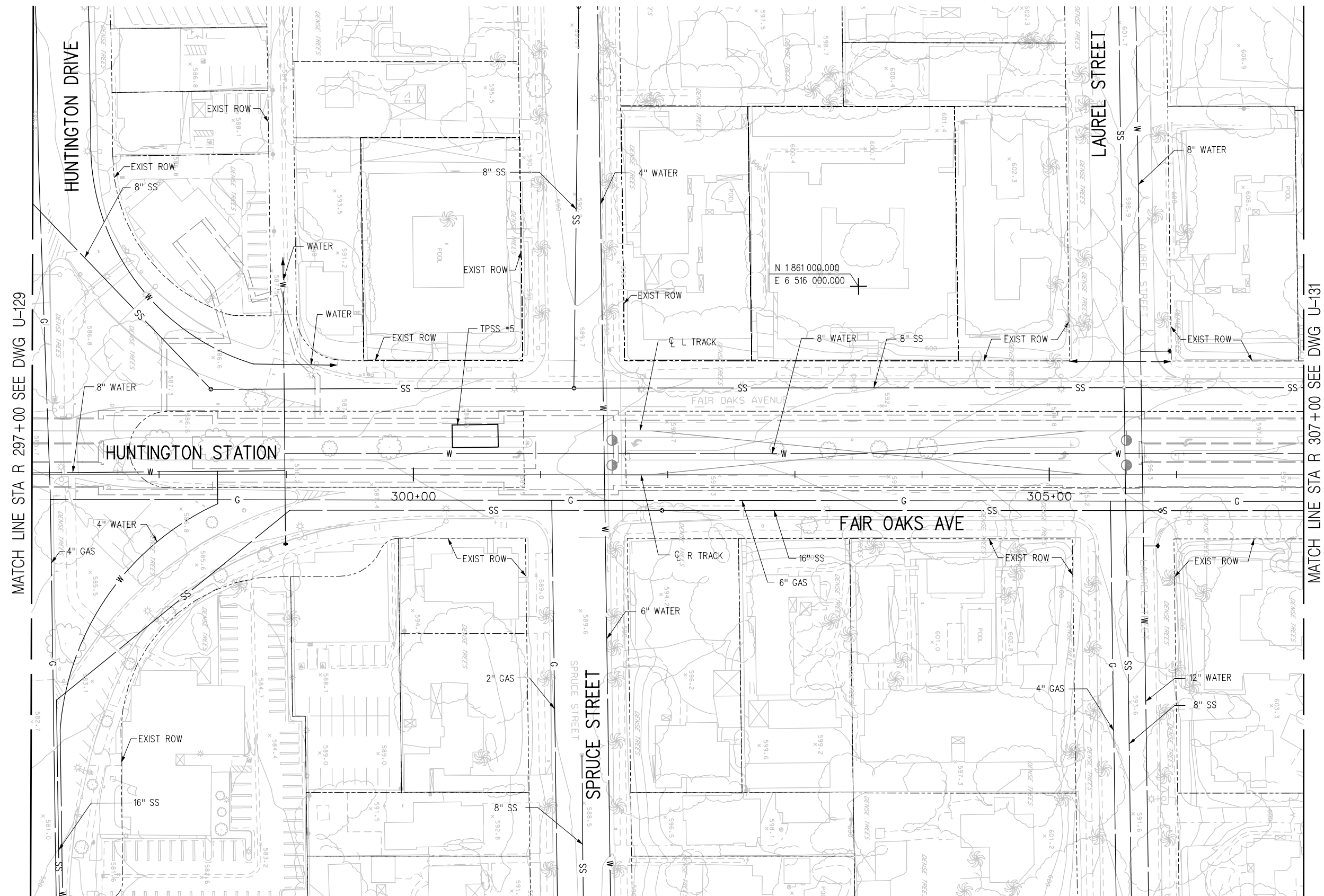
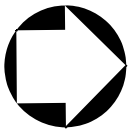


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 29 OF 41

CONTRACT NO	
DRAWING NO U-129	REV
SCALE 1"=40'-0"	
SHEET NO	

2/25/2014
 ...\\g0174536\710G-AC-U-129.plt
 Plot Driver= MTA_HALF-BW-Plot.plt
 Pentable= MTA_HALF.plt



MATCH LINE STA R 297+00 SEE DWG U-129

MATCH LINE STA R 307+00 SEE DWG U-131

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

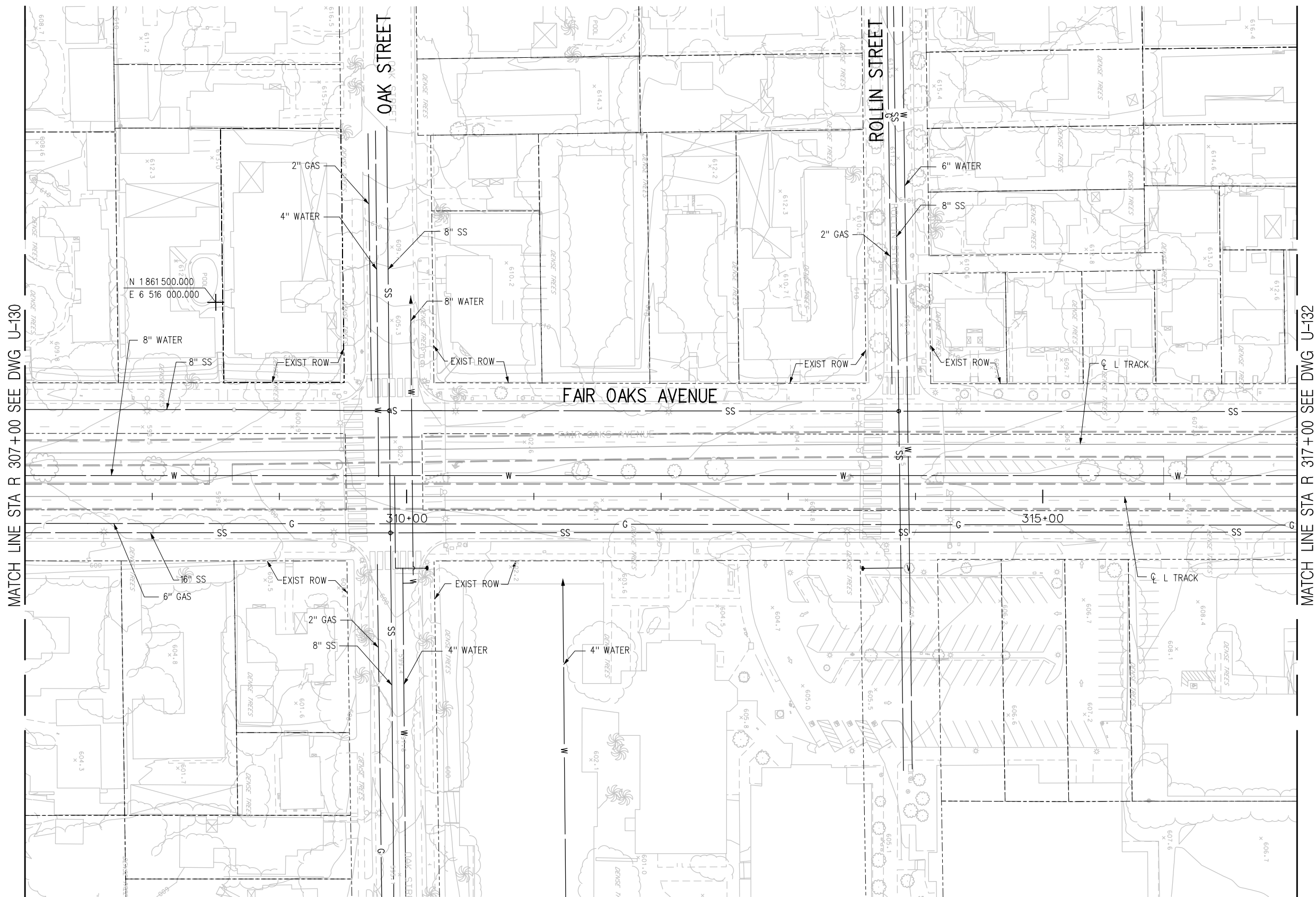
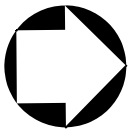
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 30 OF 41

CONTRACT NO	
DRAWING NO U-130	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 307+00 SEE DWG U-130

MATCH LINE STA R 317+00 SEE DWG U-132

N 1861 500.000
E 6 516 000.000



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), TEL., C/S & TS

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

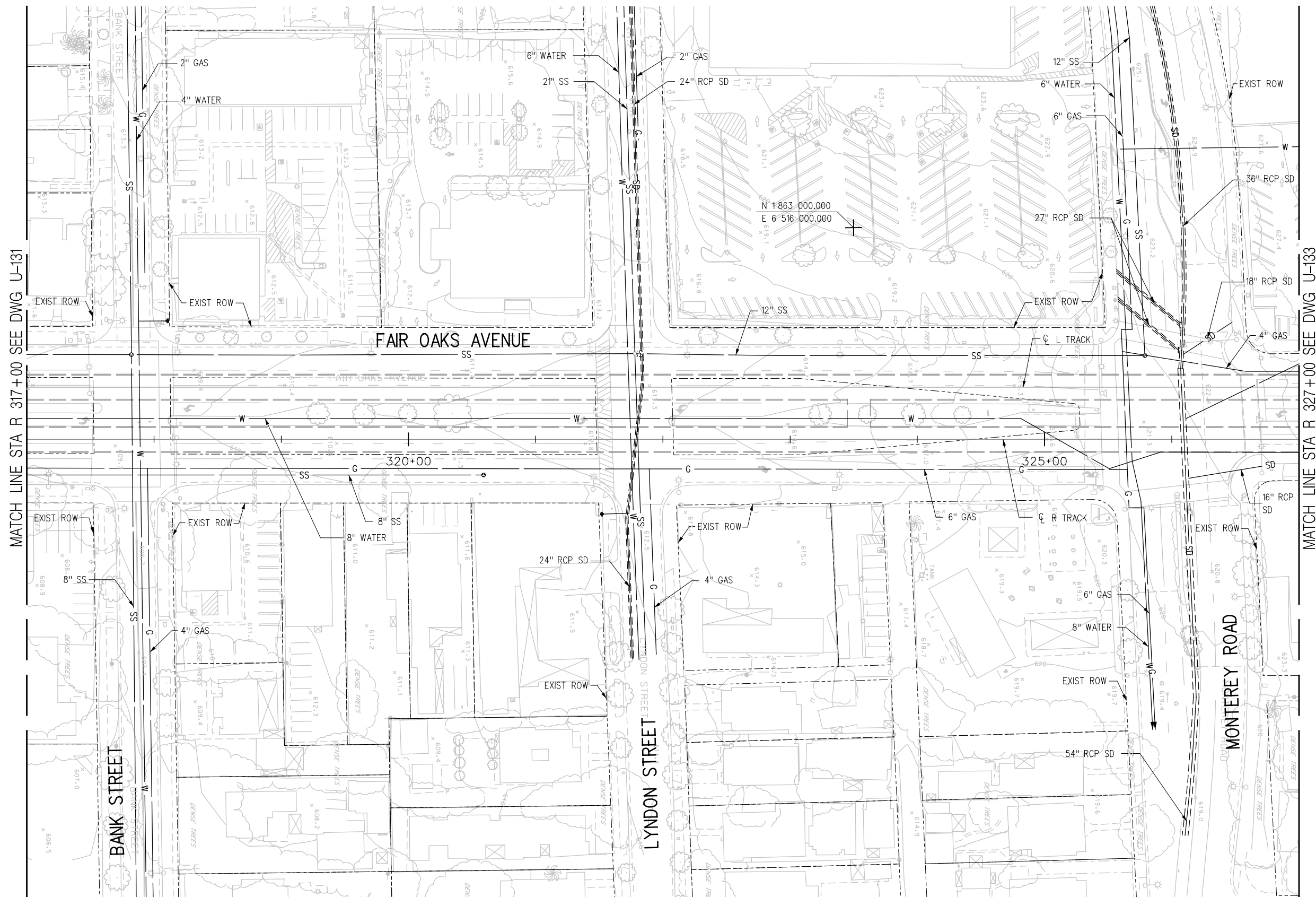
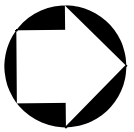
DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILIT
SHEET 31 OF 41**

CONTRACT NO	
DRAWING NO U-131	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 317+00 SEE DWG U-131

MATCH LINE STA R 327+00 SEE DWG U-133

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), TEL. & TS

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

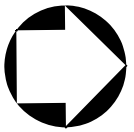
DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 32 OF 41

CONTRACT NO	
DRAWING NO U-132	REV
SCALE 1"=40'-0"	
SHEET NO	

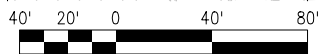


MATCH LINE STA R 327+00 SEE DWG U-132

MATCH LINE STA R 337+00 SEE DWG U-134

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, POWER (E), SS, TEL., C/S & TS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

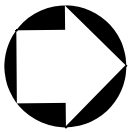
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L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

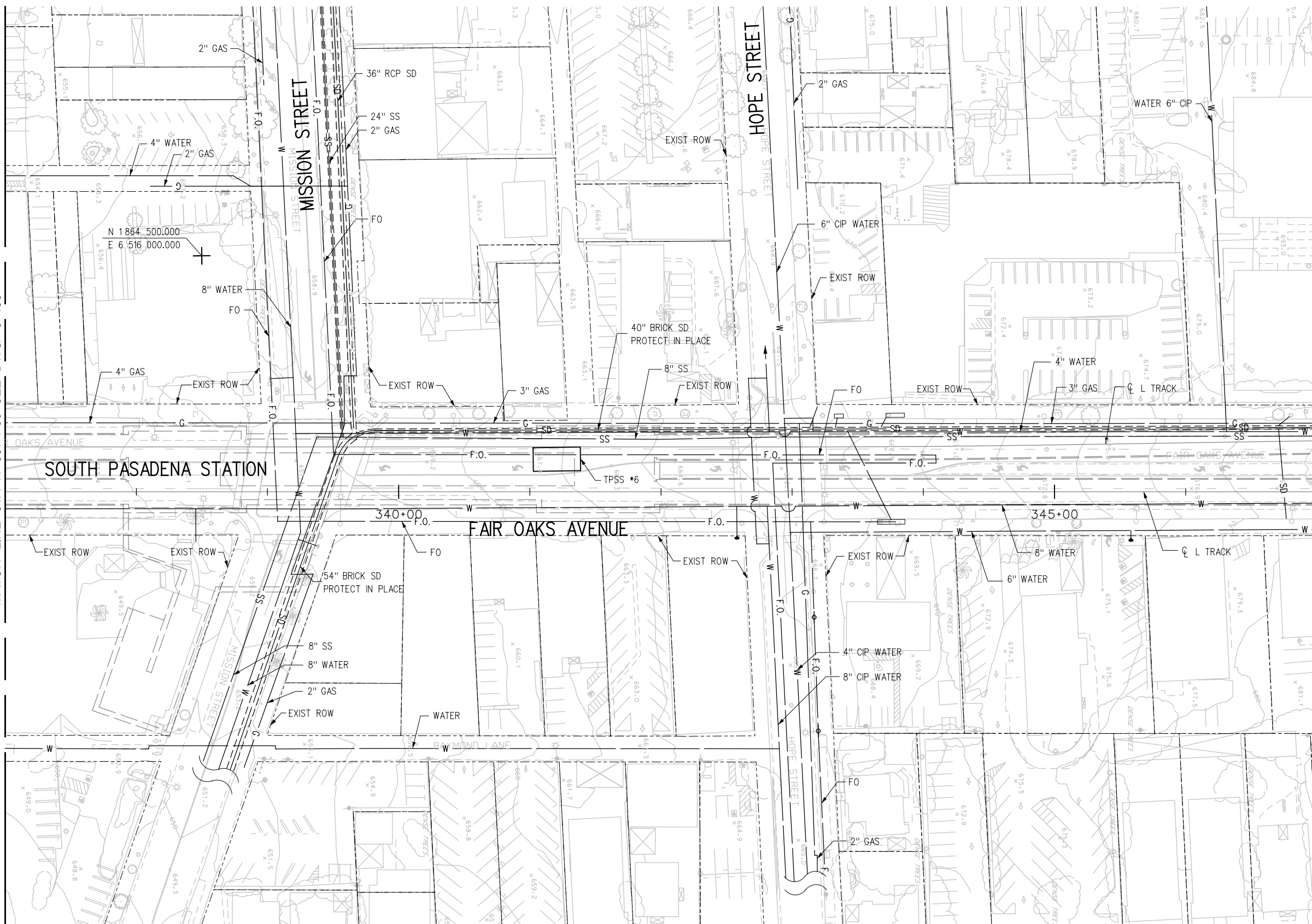
**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 33 OF 41**

CONTRACT NO	
DRAWING NO U-133	REV
SCALE 1"=40'-0"	
SHEET NO	



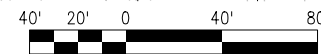
MATCH LINE STA R 337+00 SEE DWG U-133

MATCH LINE STA R 347+00 SEE DWG U-135



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), TEL., C/S & TS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

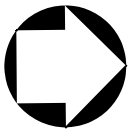
DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

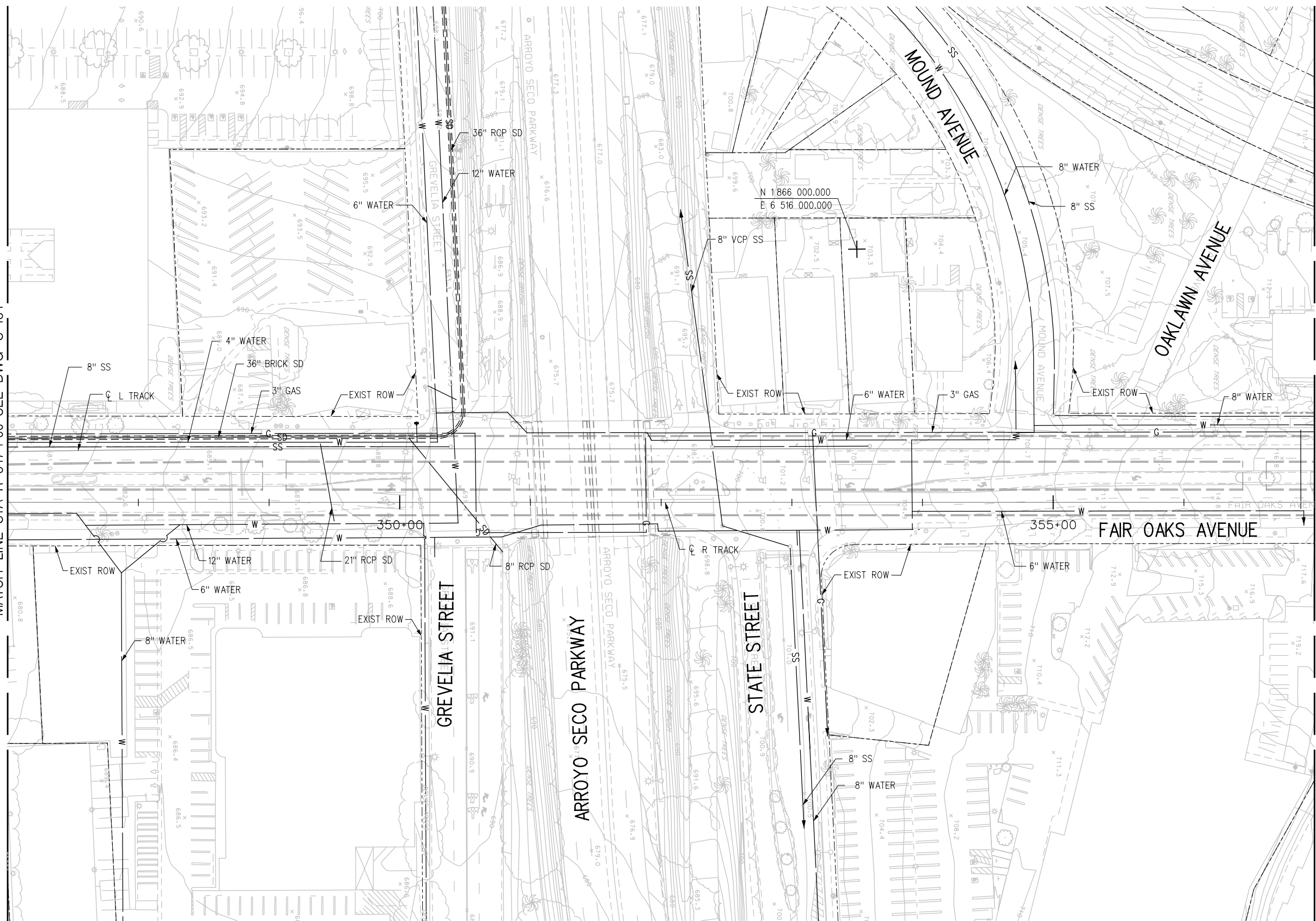
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 34 OF 41

CONTRACT NO	
DRAWING NO U-134	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 347+00 SEE DWG U-134

MATCH LINE STA R 357+00 SEE DWG U-136



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
POWER (E), TEL., C/S & TS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
L GASTON

DRAWN BY
G PHILIP

CHECKED BY
N TIGO

IN CHARGE
J AL-MASHAT

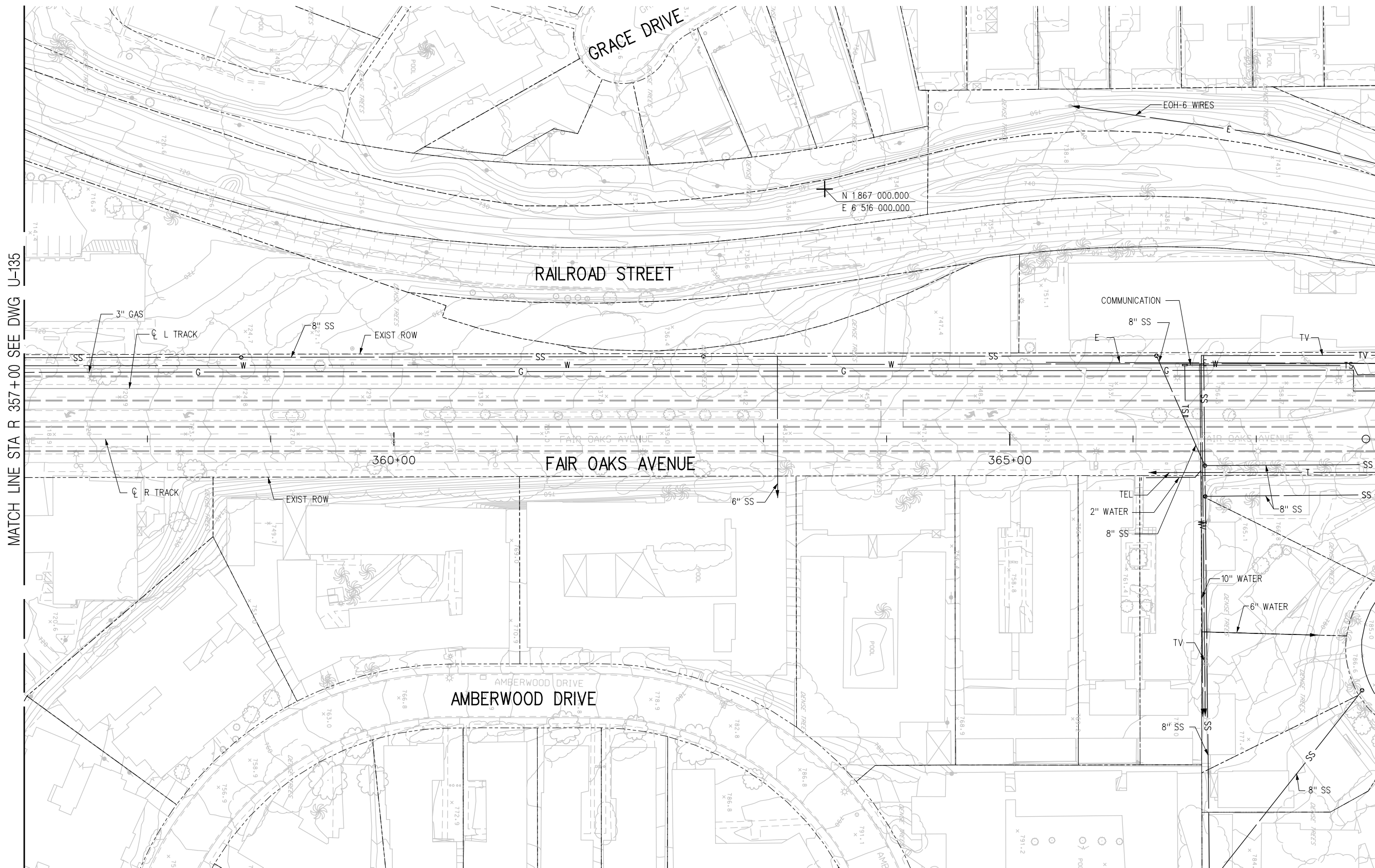
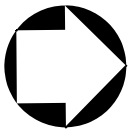
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 35 OF 41

CONTRACT NO	
DRAWING NO U-135	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 357+00 SEE DWG U-135

MATCH LINE STA R 368+00 SEE DWG U-137

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD, TEL. & C/S



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

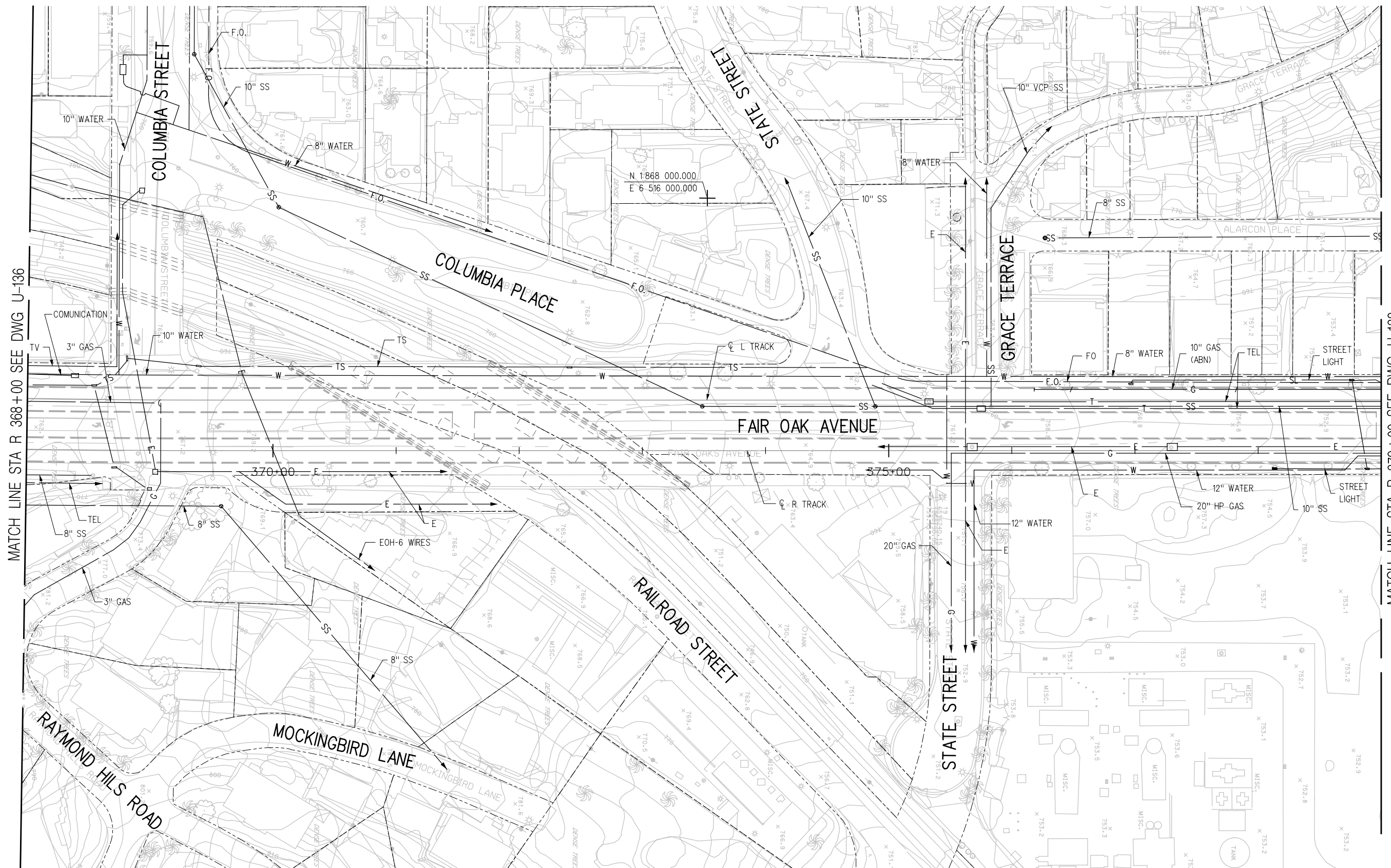
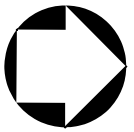
DESIGNED BY L GASTON
DRAWN BY G PHILIP
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 36 OF 41

CONTRACT NO	
DRAWING NO U-136	REV
SCALE 1"=40'-0"	
SHEET NO	

Plot: Driver= M:\AL_HALF_BW_PDF.plt
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 Pentable= M:\AL_HALF_BW.plt



MATCH LINE STA R 368+00 SEE DWG U-136

MATCH LINE STA R 379+00 SEE DWG U-138

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
SD



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

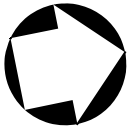
DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 37 OF 41

CONTRACT NO	
DRAWING NO U-137	REV
SCALE 1"=40'-0"	SHEET NO



MATCH LINE STA R 379+00 SEE DWG U-137

MATCH LINE STA R 388+00 SEE DWG U-139

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

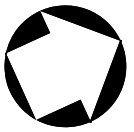
DESIGNED BY L GASTON
DRAWN BY G PHILIP
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 38 OF 41

CONTRACT NO	
DRAWING NO U-138	REV
SCALE 1"=40'-0"	
SHEET NO	



N 1870 000.000
E 6 516 500.000

MATCH LINE STA R 388+00 SEE DWG U-138

MATCH LINE STA R 397+00 SEE DWG U-140

PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
C/S & TS



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

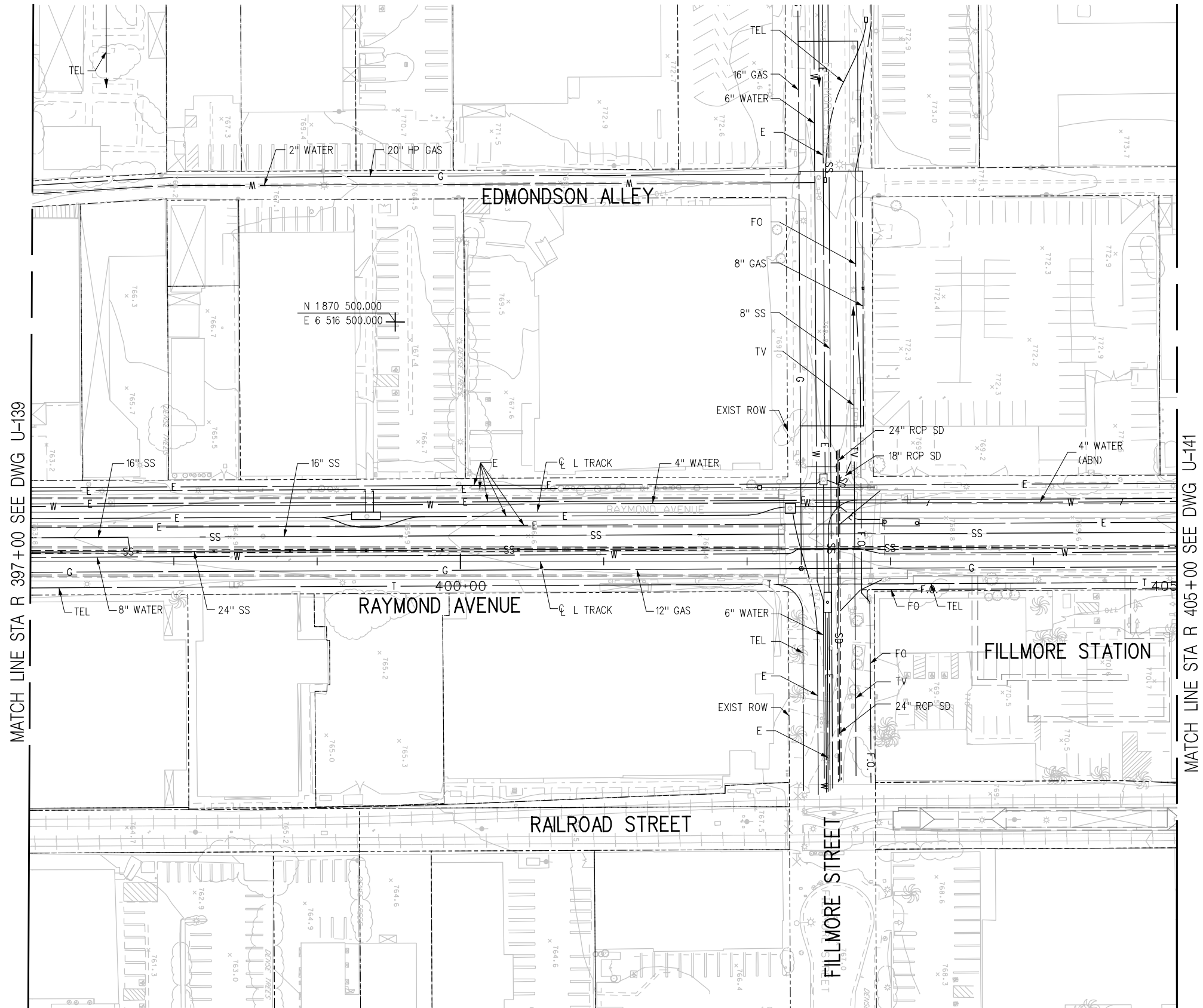
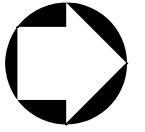
DESIGNED BY L GASTON
DRAWN BY G PHILIP
CHECKED BY N TIGO
IN CHARGE J AL-MASHAT
DATE 8/12/13

M Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 COMPOSITE EXISTING UTILITIES
 SHEET 39 OF 41

CONTRACT NO	
DRAWING NO U-139	REV
SCALE 1"=40'-0"	
SHEET NO	

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MATCH LINE STA R 397+00 SEE DWG U-139

MATCH LINE STA R 405+00 SEE DWG U-141

N 1870 500.000
E 6 516 500.000



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
TS

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13



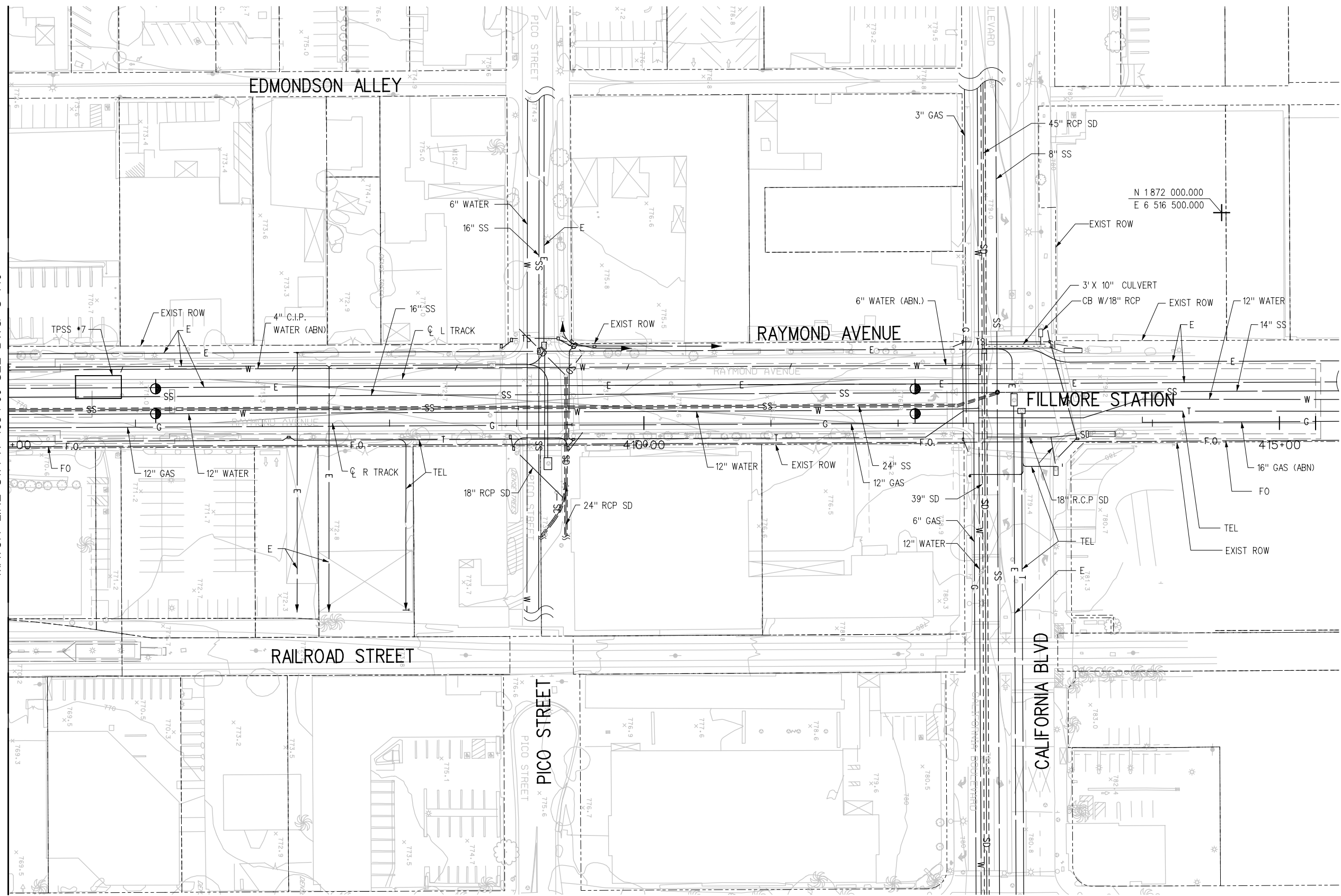
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 40 OF 41

CONTRACT NO	
DRAWING NO U-140	REV
SCALE 1"=40'-0"	
SHEET NO	



MATCH LINE STA R 405+00 SEE DWG U-140



N 1872 000.000
E 6 516 500.000



PRELIMINARY

EXISTING UTILITIES ARE INCOMPLETE FOR:
TS

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
L GASTON
DRAWN BY
G PHILIP
CHECKED BY
N TIGO
IN CHARGE
J AL-MASHAT
DATE
8/12/13

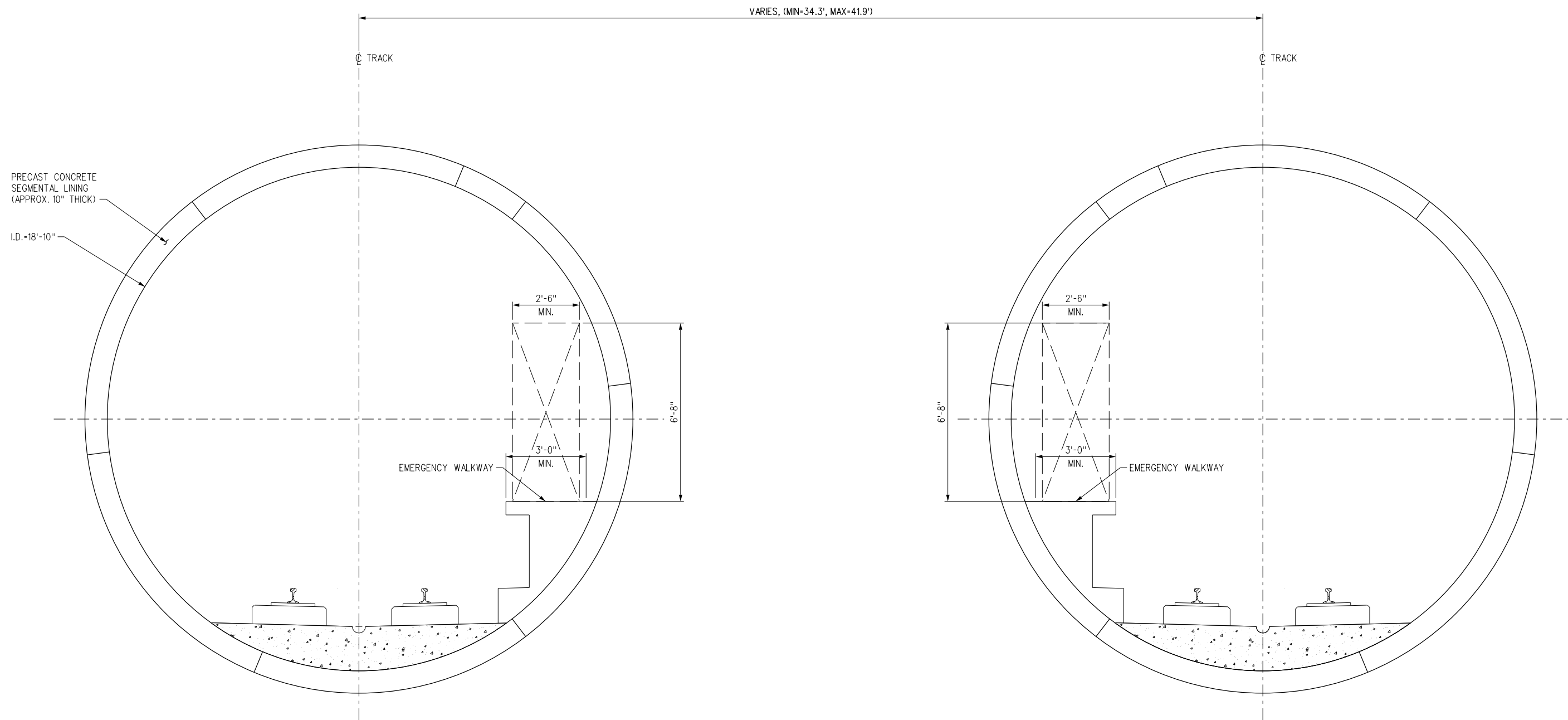


SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
COMPOSITE EXISTING UTILITIES
SHEET 41 OF 41

CONTRACT NO	
DRAWING NO U-141	REV
SCALE 1"=40'-0"	
SHEET NO	

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TYPICAL SECTION – BORED TUNNELS

NOTES:
 1. METRO RAIL DESIGN CRITERIA AND NFPA 130 USED AS REFERENCE FOR TYPICAL CROSS SECTIONS AND CLEARANCES.



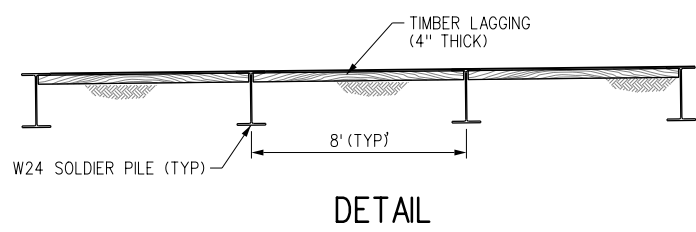
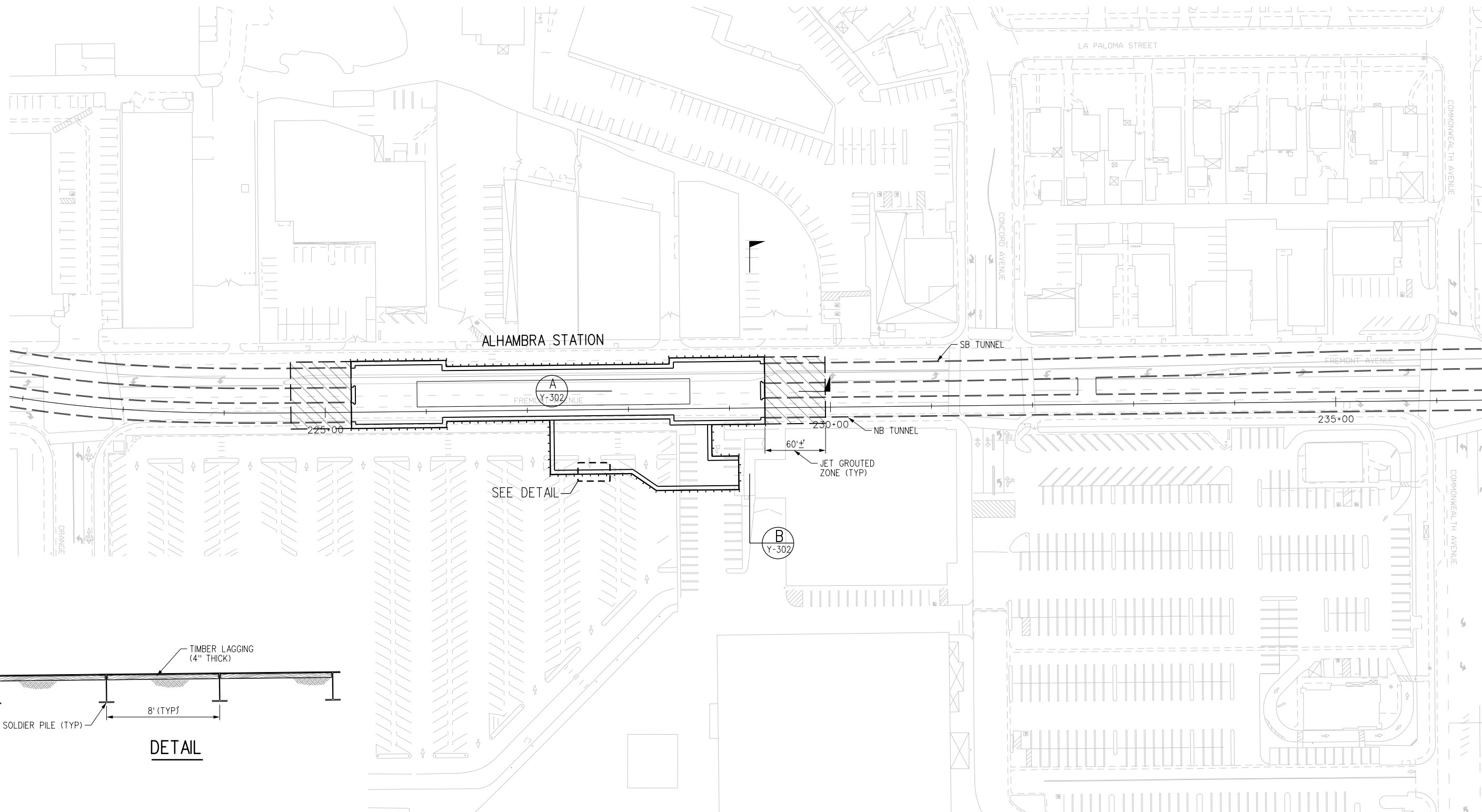
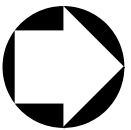
PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							DESIGNED BY M. TORSIELLO
							DRAWN BY W. OSTERMANN
							CHECKED BY S. DUBNEWYCH
							IN CHARGE S. DUBNEWYCH
							DATE 8/12/13
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS



SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TYPICAL BORED TUNNEL SECTION
 SHEET 1 OF 1

CONTRACT NO	
DRAWING NO Y-101	REV
SCALE 1/2" = 1'-0"	
SHEET NO	



PRELIMINARY



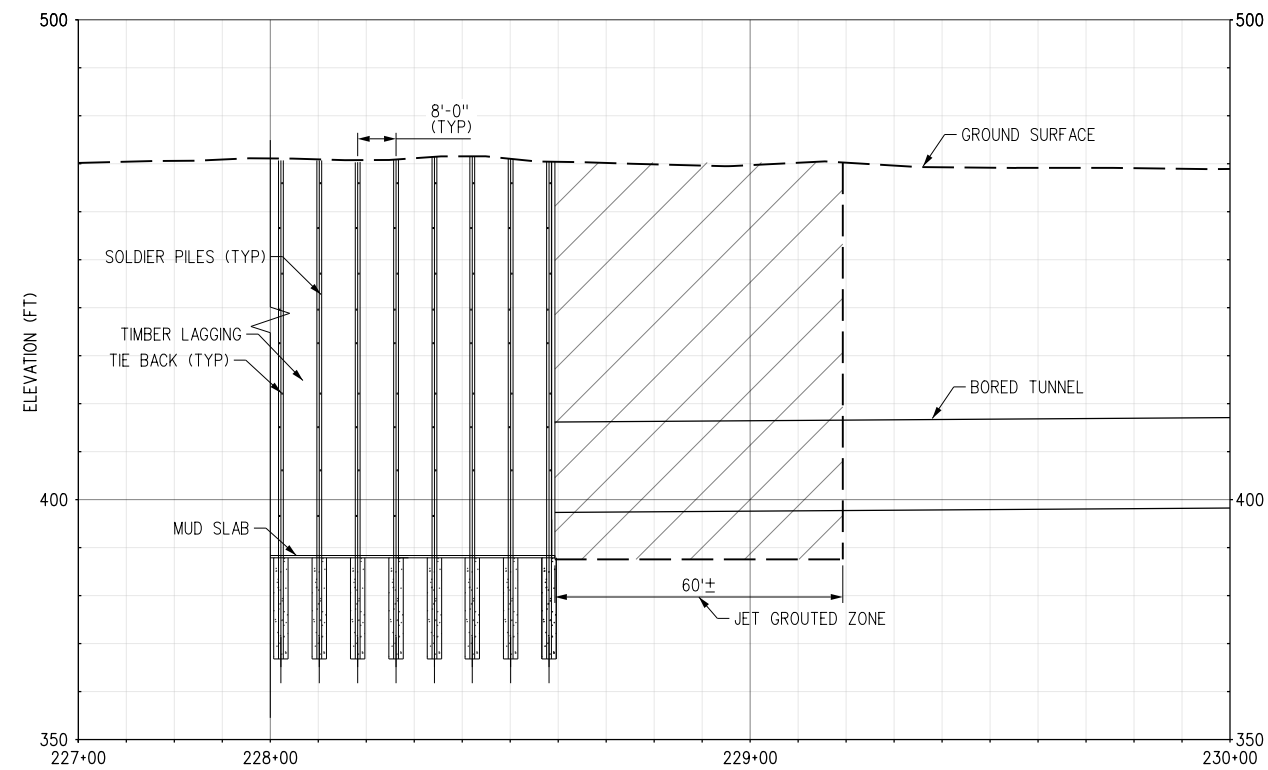
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

DESIGNED BY M. HARIHARAN
DRAWN BY W. OSTERMANN
CHECKED BY M. LAWRENCE
IN CHARGE S. DUBNEWYCH
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

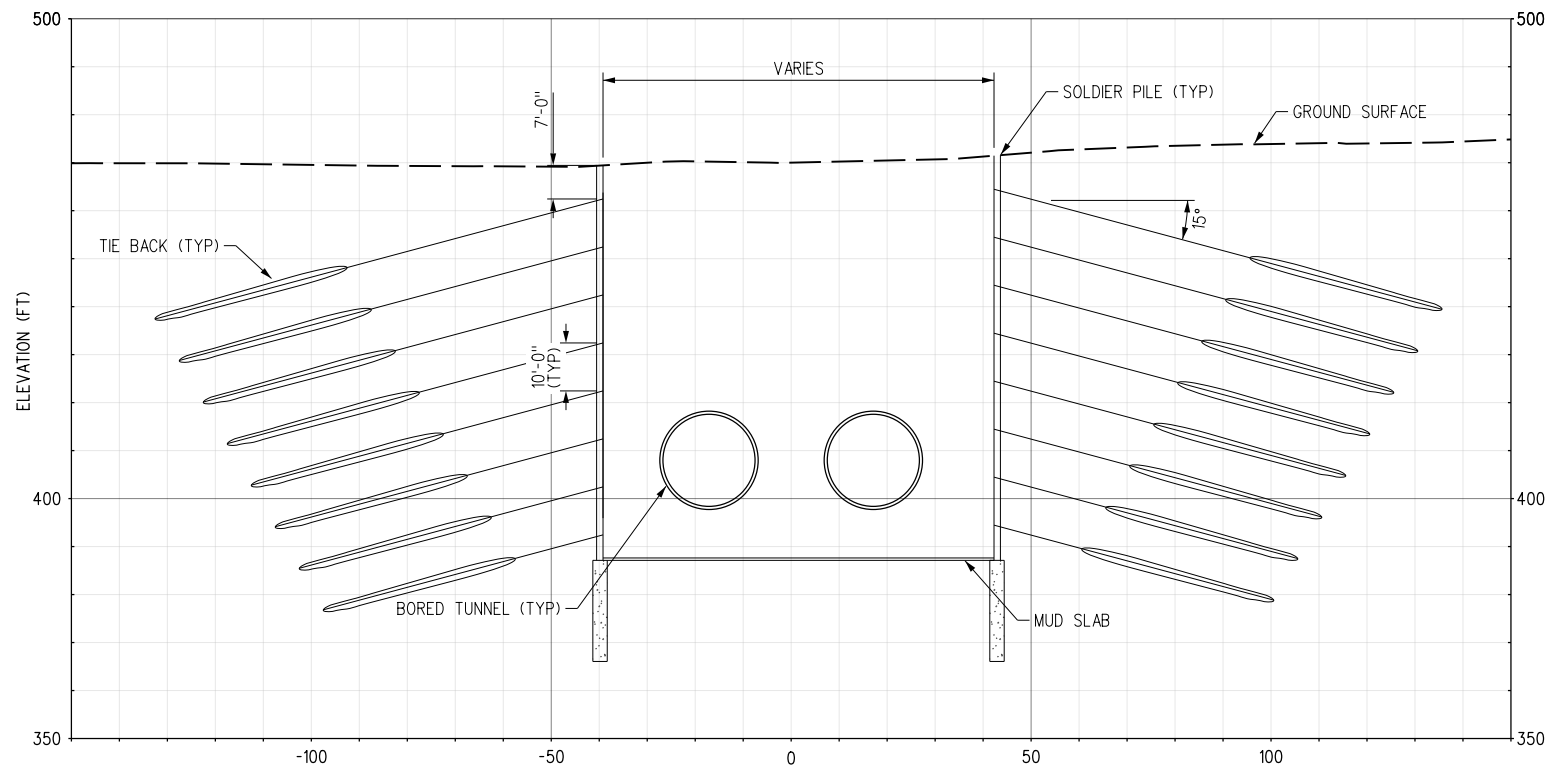
SR 710 NORTH STUDY ADVANCED CONCEPTUAL DESIGN TYPICAL UNDERGROUND STATION EXCAVATION SUPPORT PLAN		CONTRACT NO
DRAWING NO Y-301	REV	
SCALE 1"=50'		
SHEET NO		

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TYPICAL SECTION

A
Y-302 Y-301



TYPICAL SECTION

B
Y-302 Y-301

NOTES:

1. THE TEMPORARY SUPPORT SHOWN IS SCHEMATIC ONLY.
2. TIEBACK BOND LENGTH SHOWN IS 40 FEET (APPROX.)



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	DESCRIPTION
-	2/7/14					METRO COMMENTS

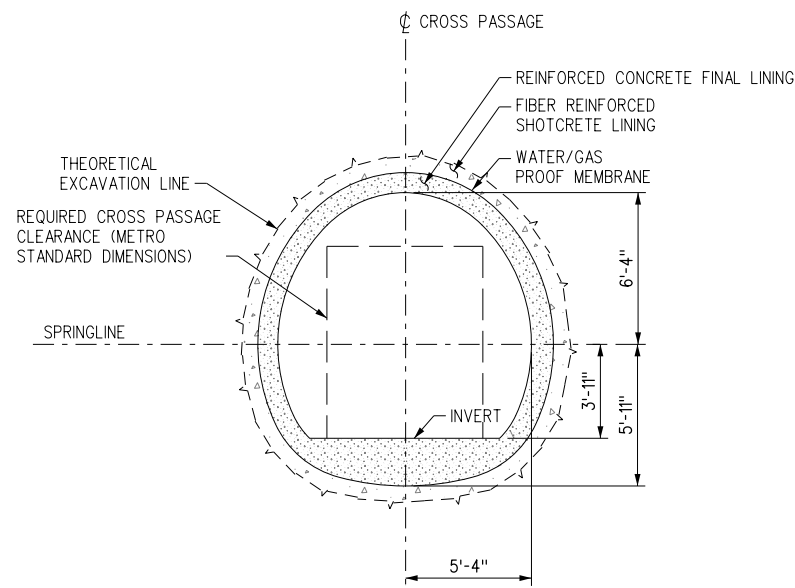
DESIGNED BY M. HARIHARAN
DRAWN BY W. OSTERMANN
CHECKED BY M. LAWRENCE
IN CHARGE S. DUBNEWYCH
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 TYPICAL UNDERGROUND STATION
 EXCAVATION SUPPORT
 SHEET 2 OF 2

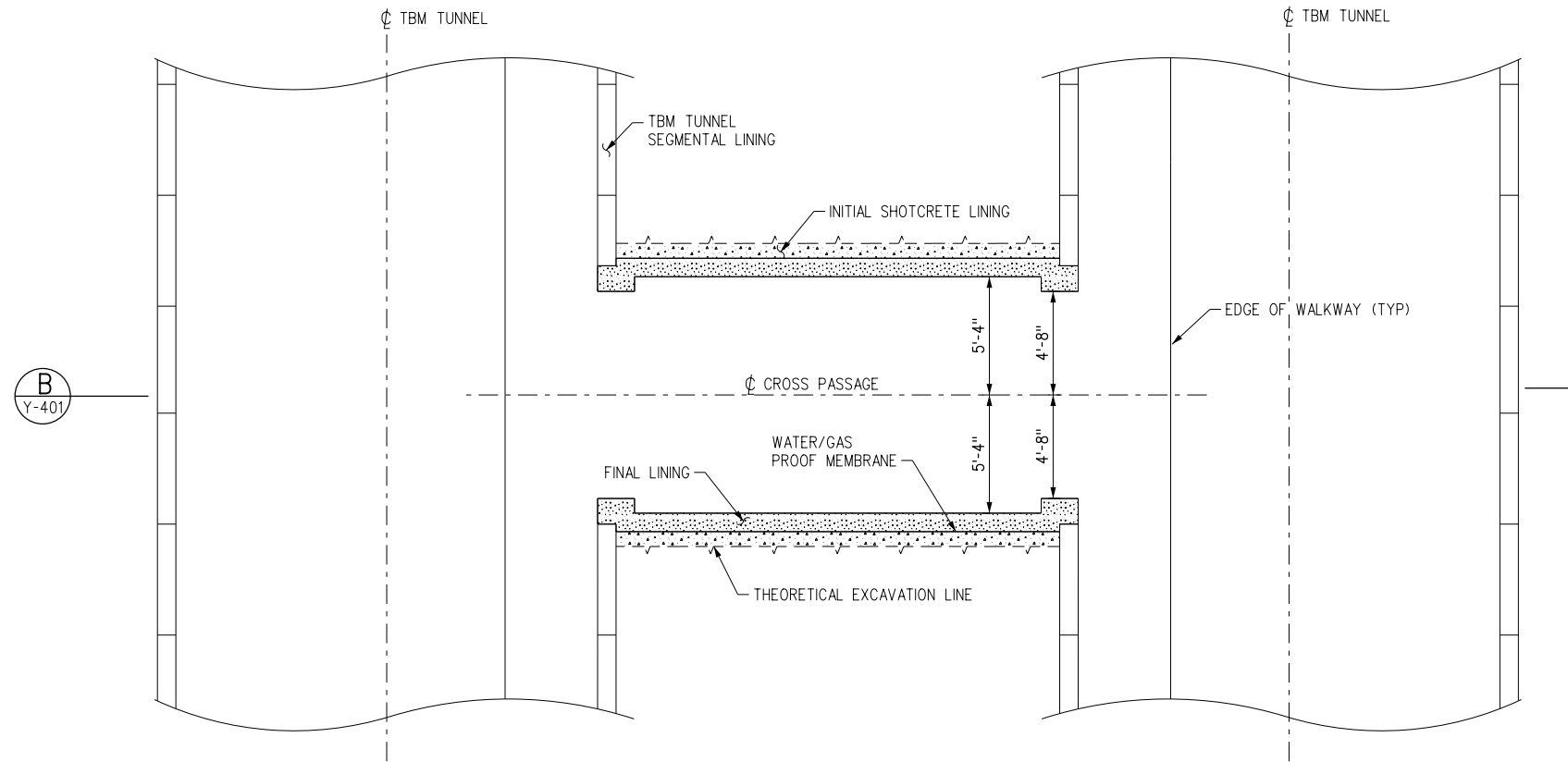
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DRAWING NO Y-302	REV
SCALE 1"=20'	
SHEET NO	

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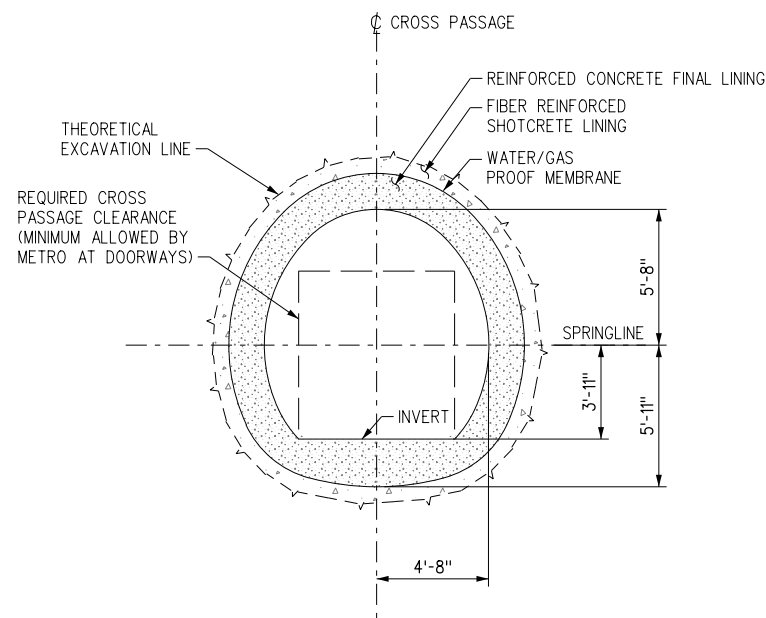
SECTION

C
Y-401



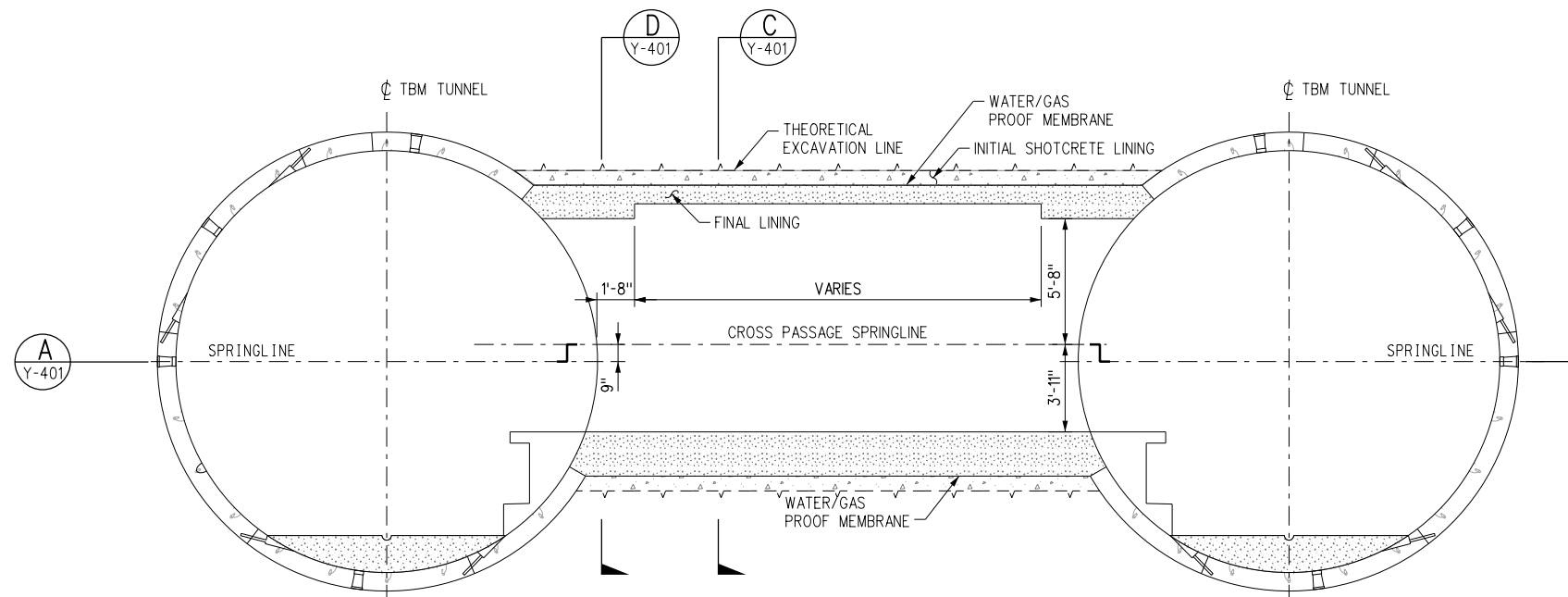
PLAN

A
Y-401



SECTION

D
Y-401



SECTION

B
Y-401

NOTES:

- METRO RAIL DESIGN CRITERIA USED AS REFERENCE FOR CROSS PASSAGE CLEARANCE REQUIREMENTS.



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION
-	2/7/14						METRO COMMENTS

DESIGNED BY
Y. SUN
DRAWN BY
W. OSTERMANN
CHECKED BY
S. DUBNEWYCH
IN CHARGE
S. DUBNEWYCH
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CROSS PASSAGE
PLANS AND SECTIONS

CONTRACT NO	
DRAWING NO Y-401	REV
SCALE 1/4" = 1'-0"	
SHEET NO	

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ABBREVIATIONS

Table of abbreviations including ANGLE, CHANNEL, CENTER LINE, DIAMETER, PLATE, PERPENDICULAR, SQUARE FEET, AVENUE, ABOVE, ABOVE FINISHED FLOOR, etc.

Table of abbreviations including LEVEL, LIGHTING, LAMINATE, LAMINATED, LAVATORY, LIGHT, LIGHTWEIGHT, etc.

SYMBOLS

PLAN & SECTION, ELEVATION symbols including CONCRETE, C.M.U., GRANITE, COMPACTED FILL, EARTH, TILE, INSULATION (BATT OR LOOSE), etc.

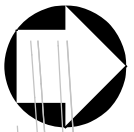
GENERAL NOTES

- 1. SOME DIMENSIONS, SIZES, AND STRUCTURAL ELEMENTS ESTABLISHED FROM STANDARD DRAWINGS HAVE BEEN MODIFIED TO FIT SPECIFIC DESIGN CONDITIONS.
- 2. C.C.T.V, PUBLIC ADDRESS, TICKET VENDING MACHINES, S.A.V. FARE GATES ARE SHOWN ON PLANS FOR LOCATION ONLY AND NEED TO BE COORDINATED WITH OTHER DISCIPLINES.
- 3. SEE ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR SIZE AND LOCATION OF PENETRATIONS (CABLE TRAYS, CONDUITS, MECHANICAL AND UTILITY DUCTS, ETC) THRU WALLS AND FLOORS.

PRELIMINARY

Project information including: THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA; DESIGNED BY R. NIGHT; DRAWN BY R. NIGHT; CHECKED BY J. AL-MASHAT; IN CHARGE J. AL-MASHAT; DATE 8/12/13; LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY; SR 710 NORTH STUDY; ADVANCED CONCEPTUAL DESIGN ARCHITECTURAL ABBREVIATIONS SYMBOLS AND GENERAL NOTES; CONTRACT NO; DRAWING NO A-001; SCALE NONE; SHEET NO

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SR-60 FWY

Pentable-MTAL_FLBWTBL

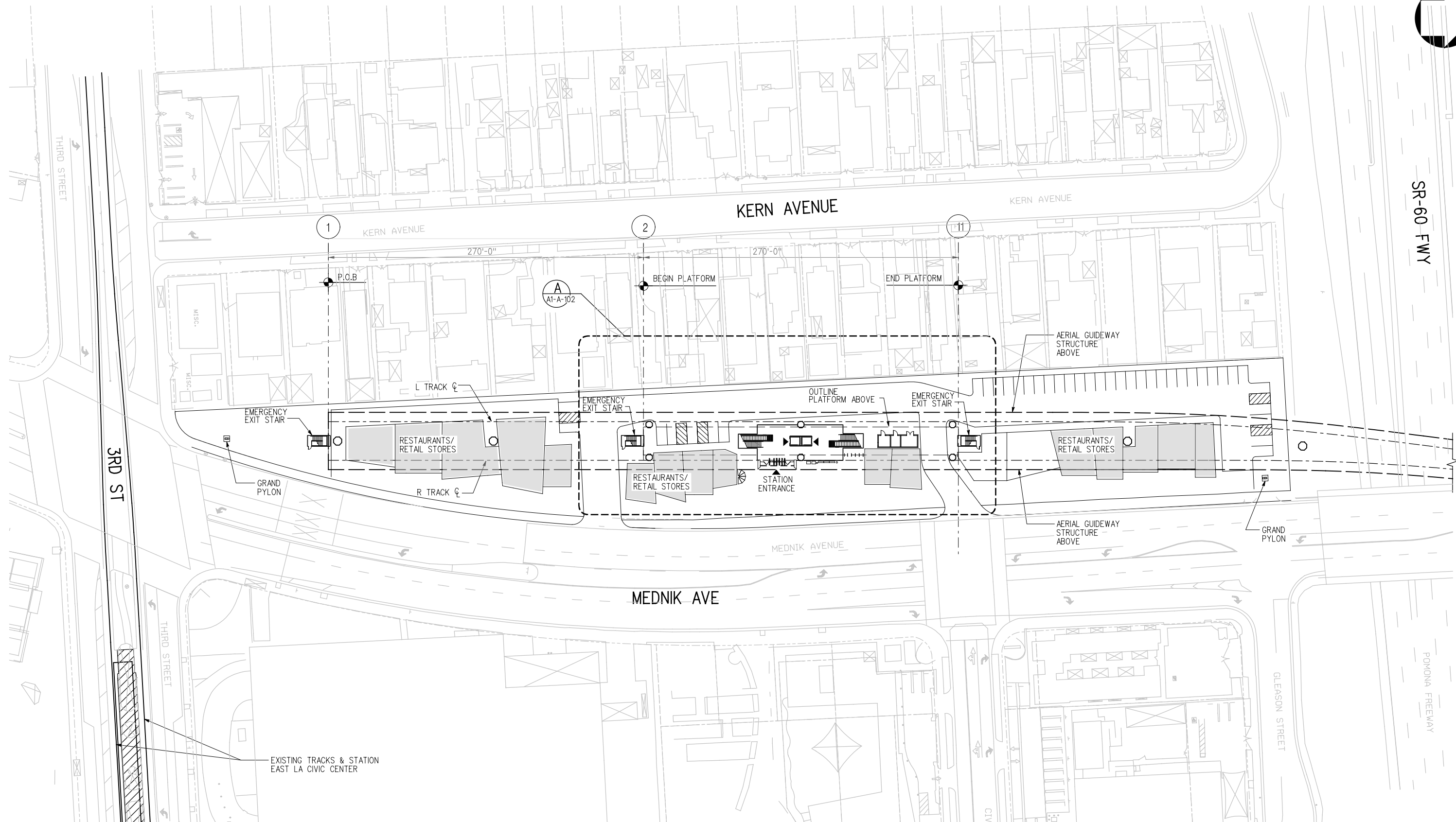
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8/8/2013

3:45:06 PM

USER:almashatm



PRELIMINARY

EXISTING TRACKS & STATION
EAST LA CIVIC CENTER

THE PREPARATION OF THIS
DRAWING HAS BEEN FINANCED BY
THE TAXES OF THE CITIZENS OF
LOS ANGELES COUNTY AND OF
THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

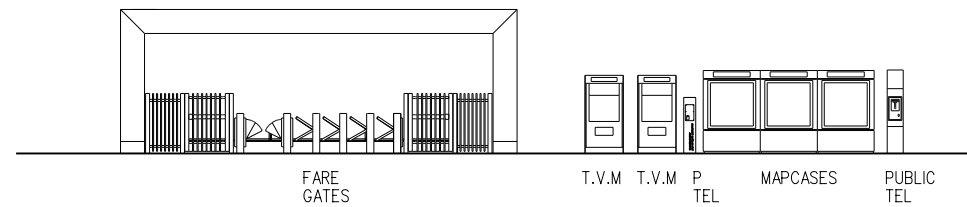
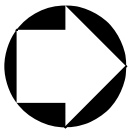


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
SITE PLAN

CONTRACT NO	
DRAWING NO	A1-A-101
SCALE	1"=40'-0"
SHEET NO	

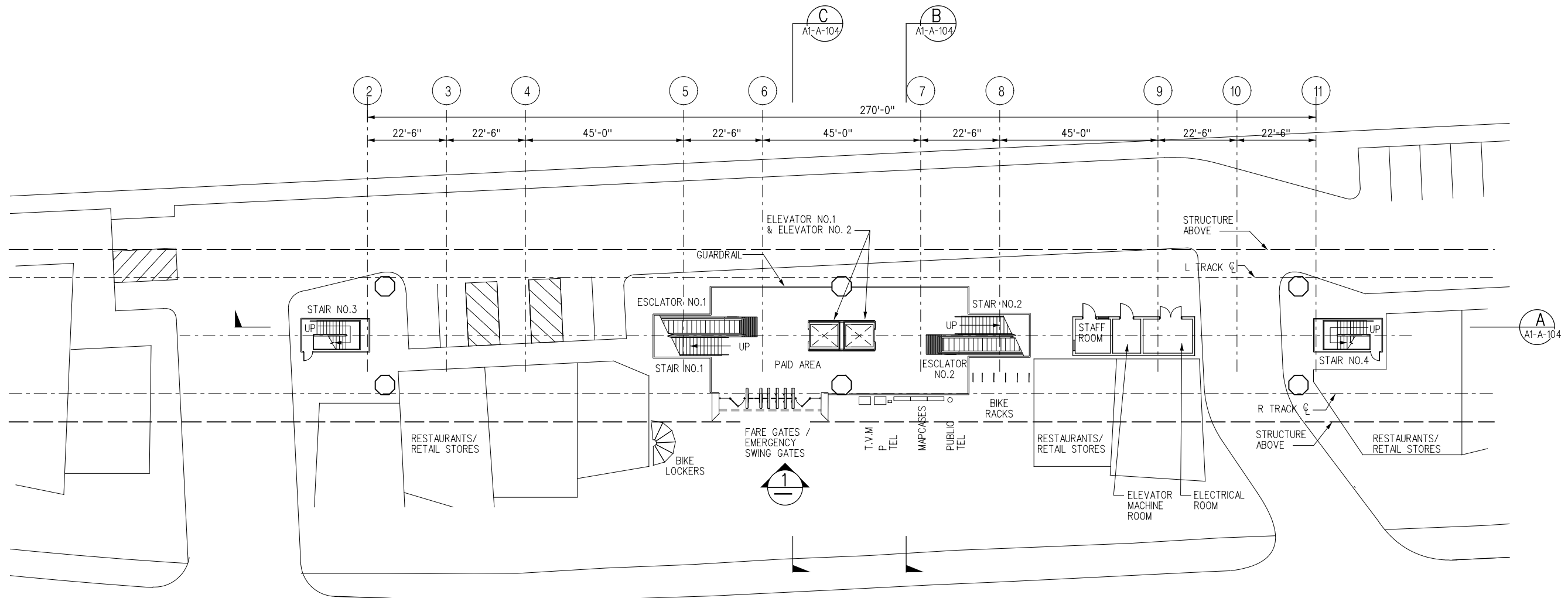
Model Name= Default



ELEVATION

1/8"=1'-0"

1
A1-A-102



PLAN

1/16"=1'-0"

A
A1-A-102

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

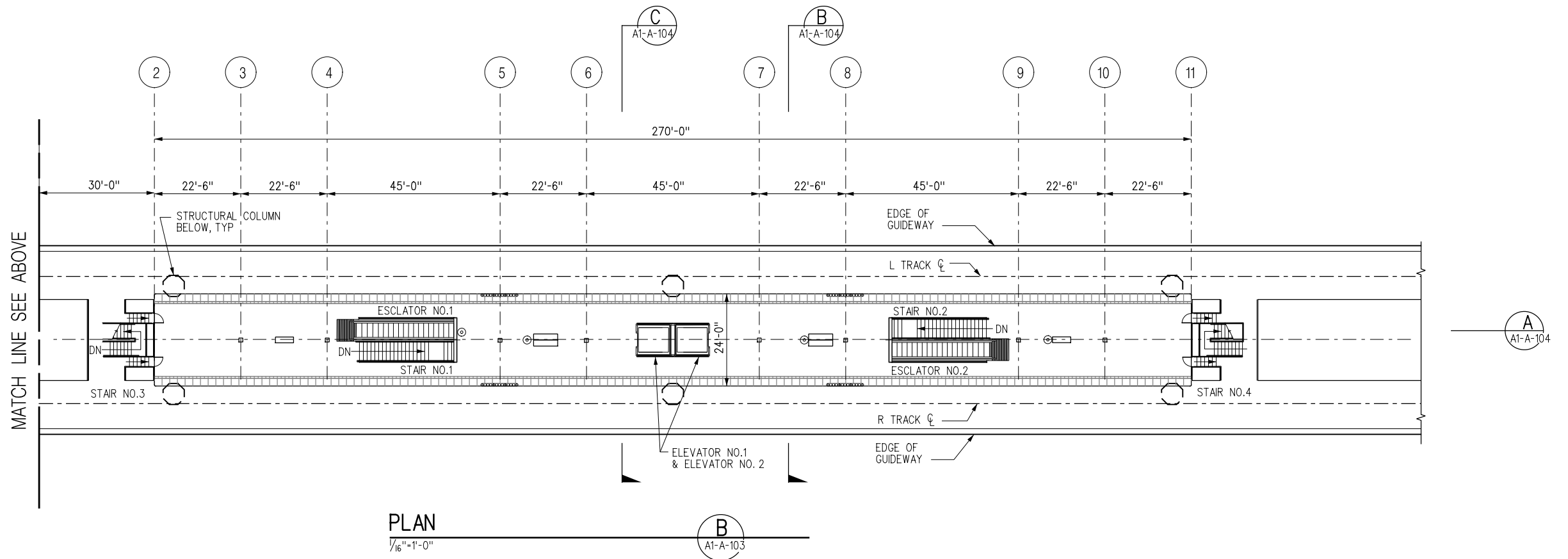
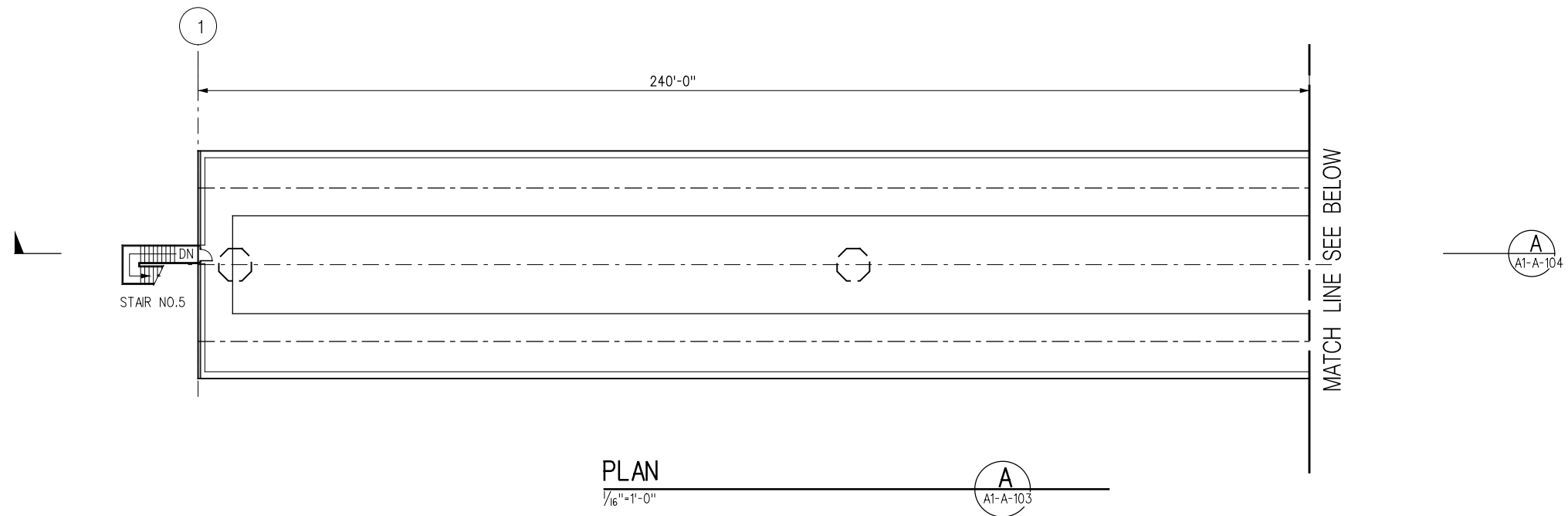
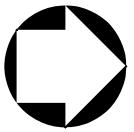
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
PLAZA PLAN
AND ELEVATION

CONTRACT NO	
DRAWING NO A1-A-102	REV
SCALE AS NOTED	
SHEET NO	

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PRELIMINARY



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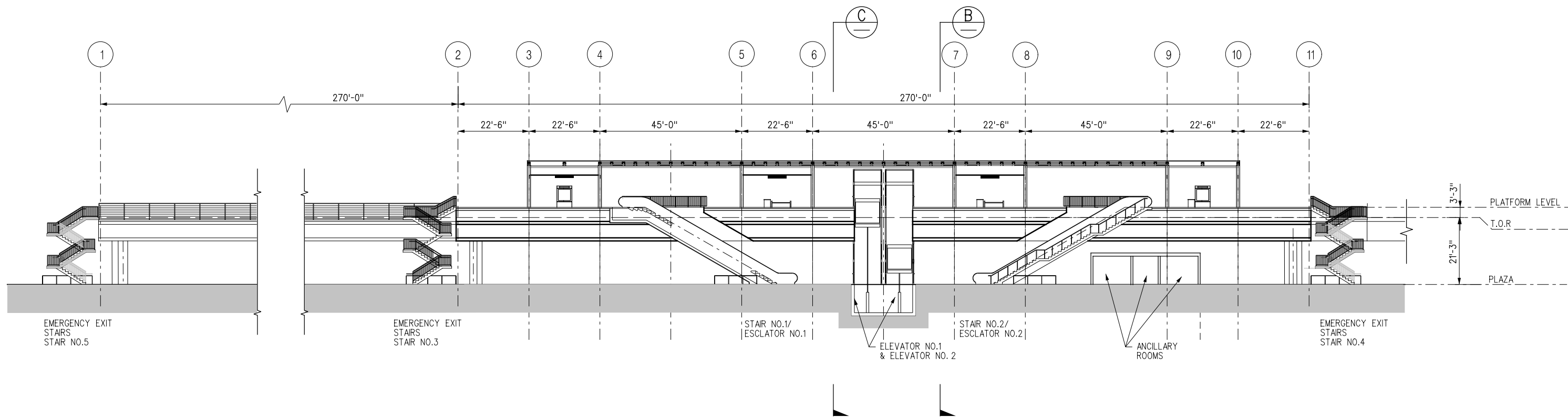
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
PLATFORM LEVEL PLAN

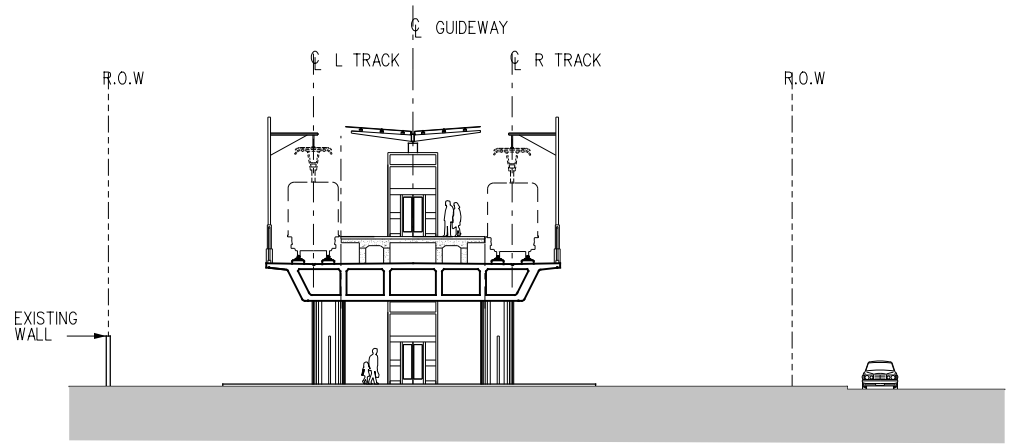
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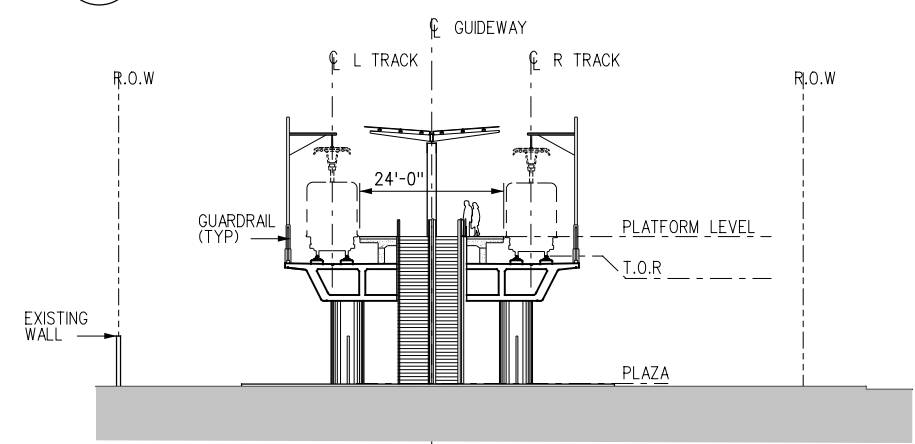
LONGITUDINAL SECTION

A
A1-A-104



SECTION

C
A1-A-104



SECTION

B
A1-A-104

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
LONGITUDINAL SECTION AND
TRANSVERSE SECTIONS

CONTRACT NO	
DRAWING NO	A1-A-104
SCALE	1/16" = 1' - 0"
SHEET NO	



ON STATION PLATFORM




AT PLAZA

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

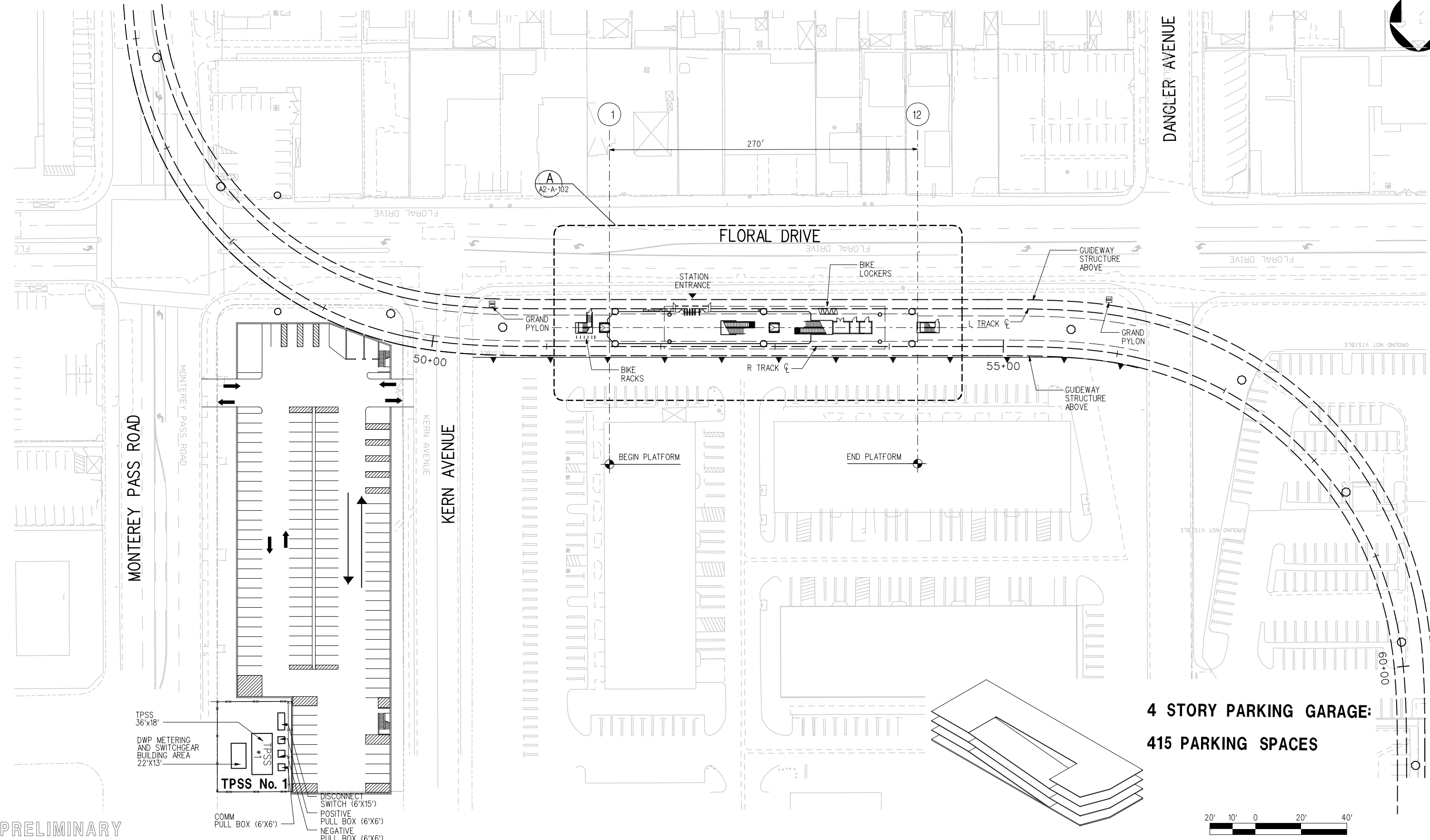
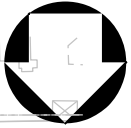
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 CIVIC CENTER STATION
 AERIAL STATION VIEWS

CONTRACT NO	
DRAWING NO	A1-A-105
SCALE	NONE
SHEET NO	

Model Name= Default



PRELIMINARY

**4 STORY PARKING GARAGE:
415 PARKING SPACES**



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

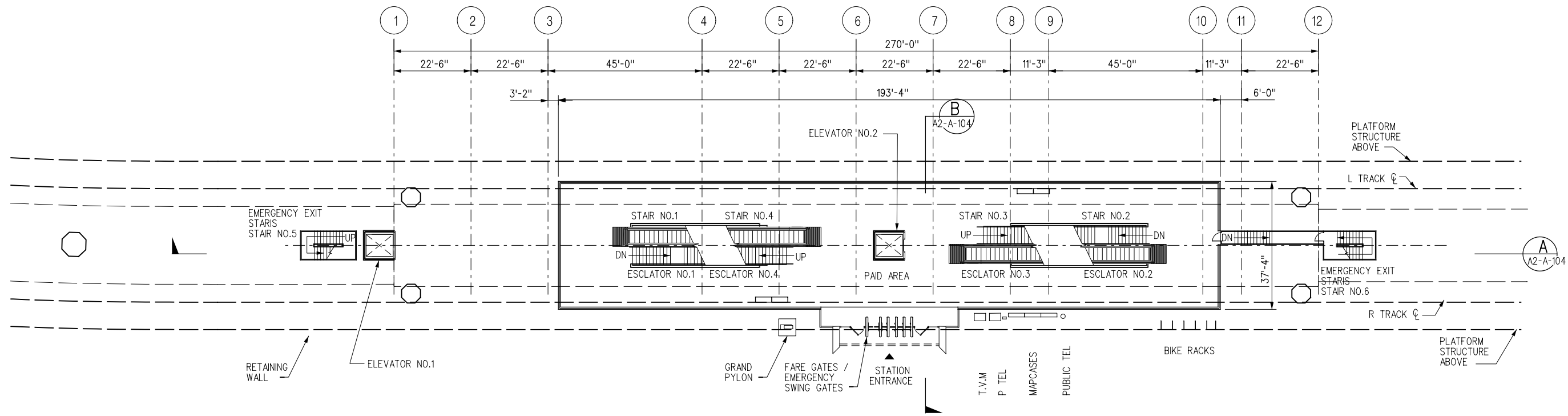
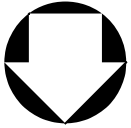


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FLORAL DRIVE STATION
SITE PLAN

CONTRACT NO	
DRAWING NO A2-A-101	REV
SCALE 1"=40'-0"	
SHEET NO	

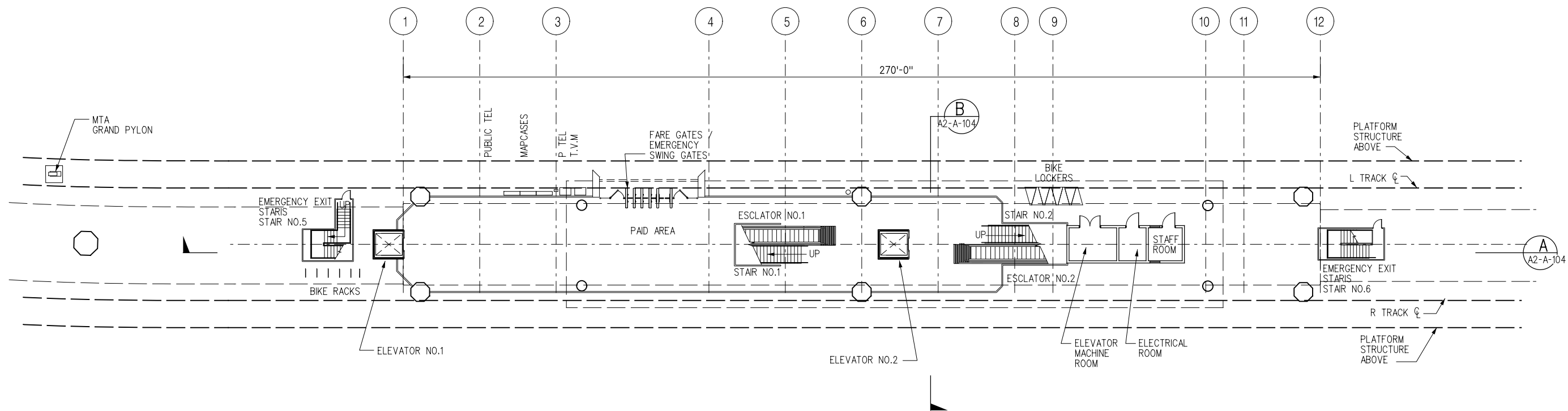
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CONCOURSE LEVEL PLAN

1/16"=1'-0"

A
A2-A-102



PLAZA PLAN

1/16"=1'-0"

B
A2-A-102



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	R. NIGHT
DRAWN BY	R. NIGHT
CHECKED BY	J. AL-MASHAT
IN CHARGE	J. AL-MASHAT
DATE	8/12/13

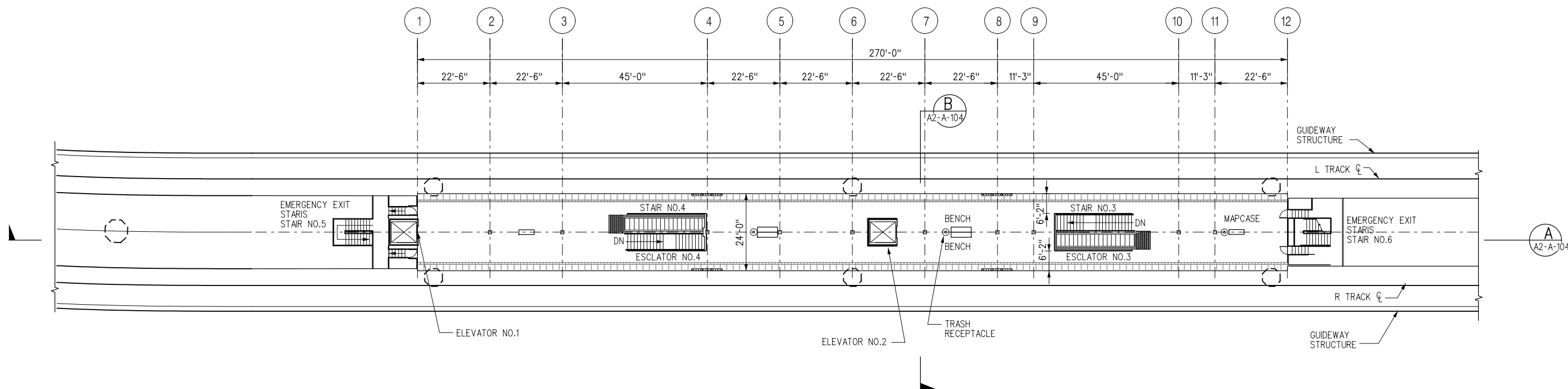
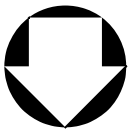


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FLORAL DRIVE STATION
PLAZA PLAN AND
CONCOURSE LEVEL PLAN

CONTRACT NO	
DRAWING NO	A2-A-102
SCALE	1/16" = 1'-0"
SHEET NO	

Model Name= Default




PRELIMINARY



REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

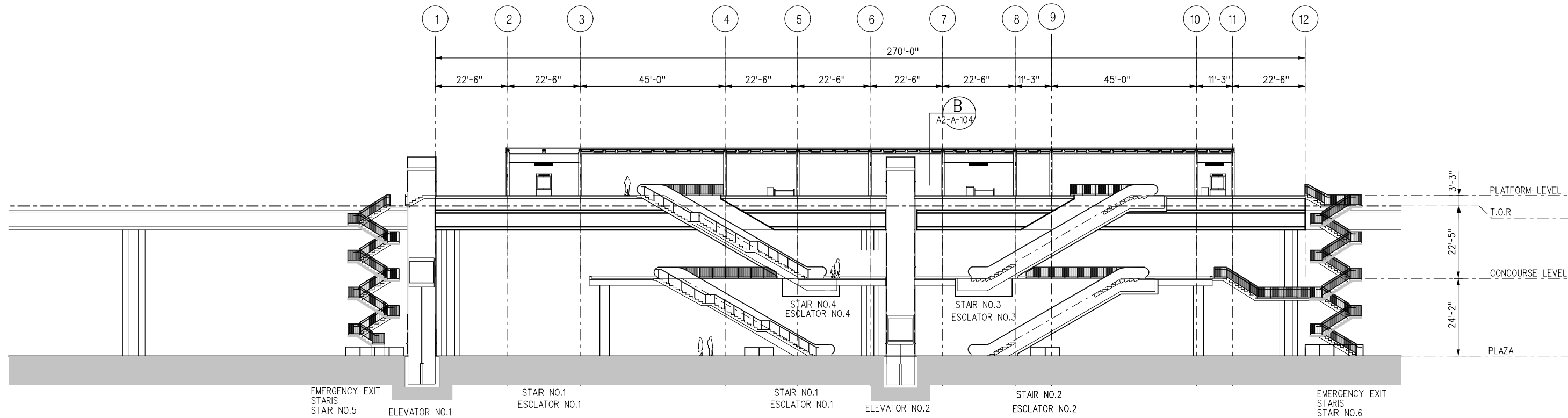
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 FLORAL DRIVE STATION
 PLATFORM LEVEL PLAN

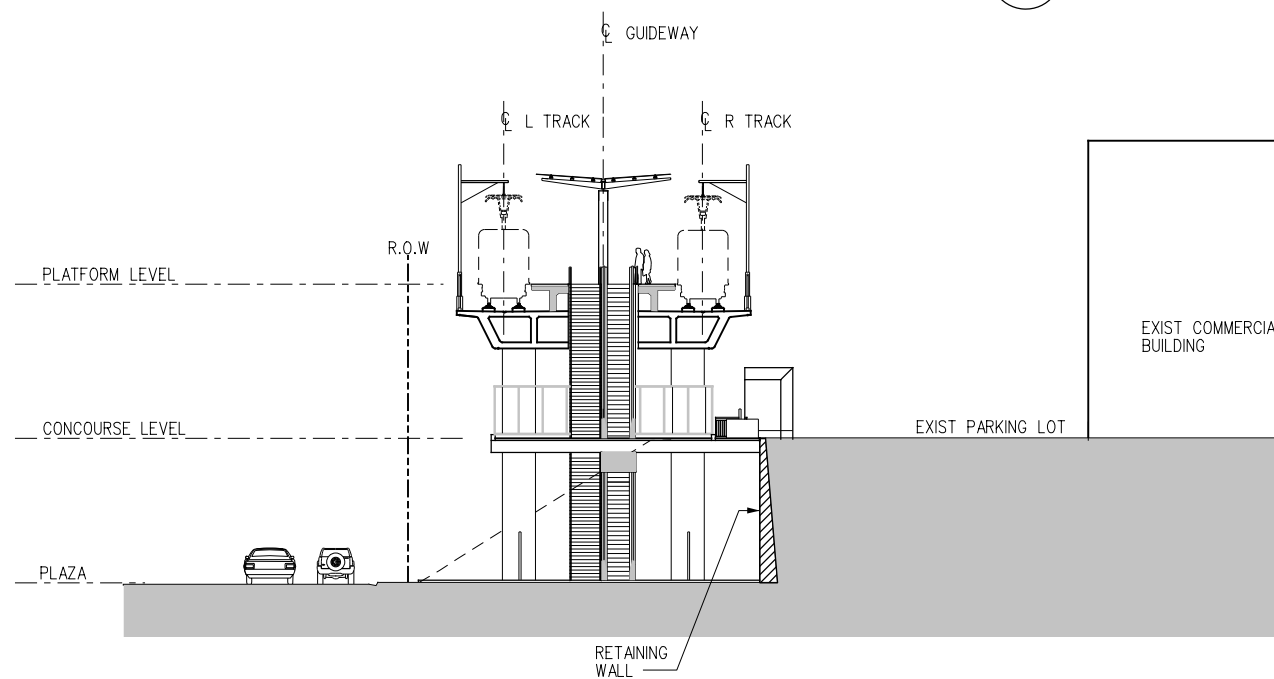
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SCALE	1/16" = 1'-0"
SHEET NO	

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LONGITUDINAL SECTION

A
A2-A-104



TRANSVERSE SECTION

B
A2-A-104

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

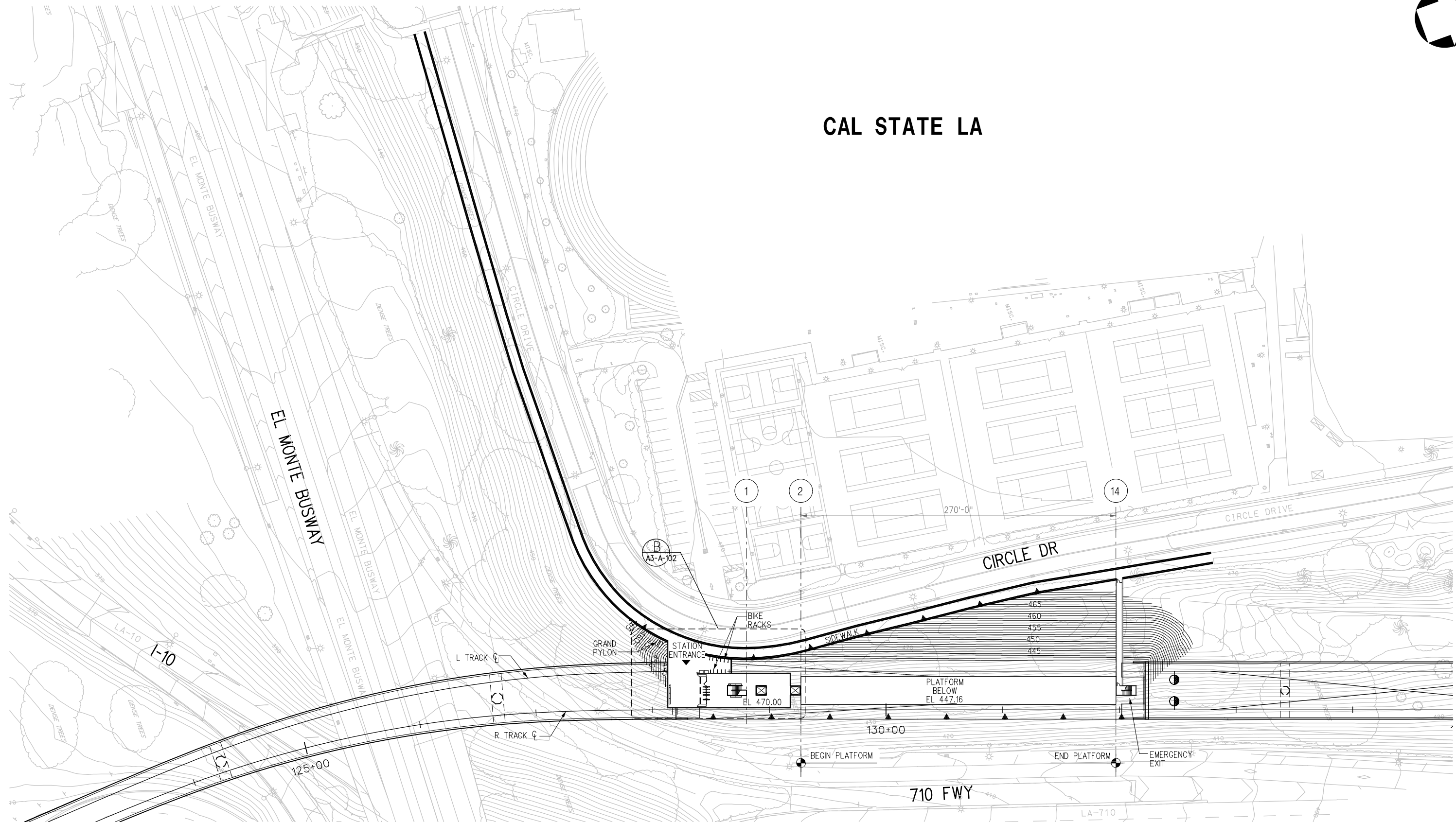
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FLORAL DRIVE STATION
LONGITUDINAL SECTION
AND TRANSVERSE SECTION

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SHEET NO	

8/8/2013 3:46:22 PM USER:almashatm ...:\Sheets\710G-AG-A2-A-104.pptg Plot Driver: M:\HALF-BW-PDF.plt;g Pentable: M:\HALF-BW.plt



CAL STATE LA



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
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IN CHARGE J. AL-MASHAT
DATE 8/12/13



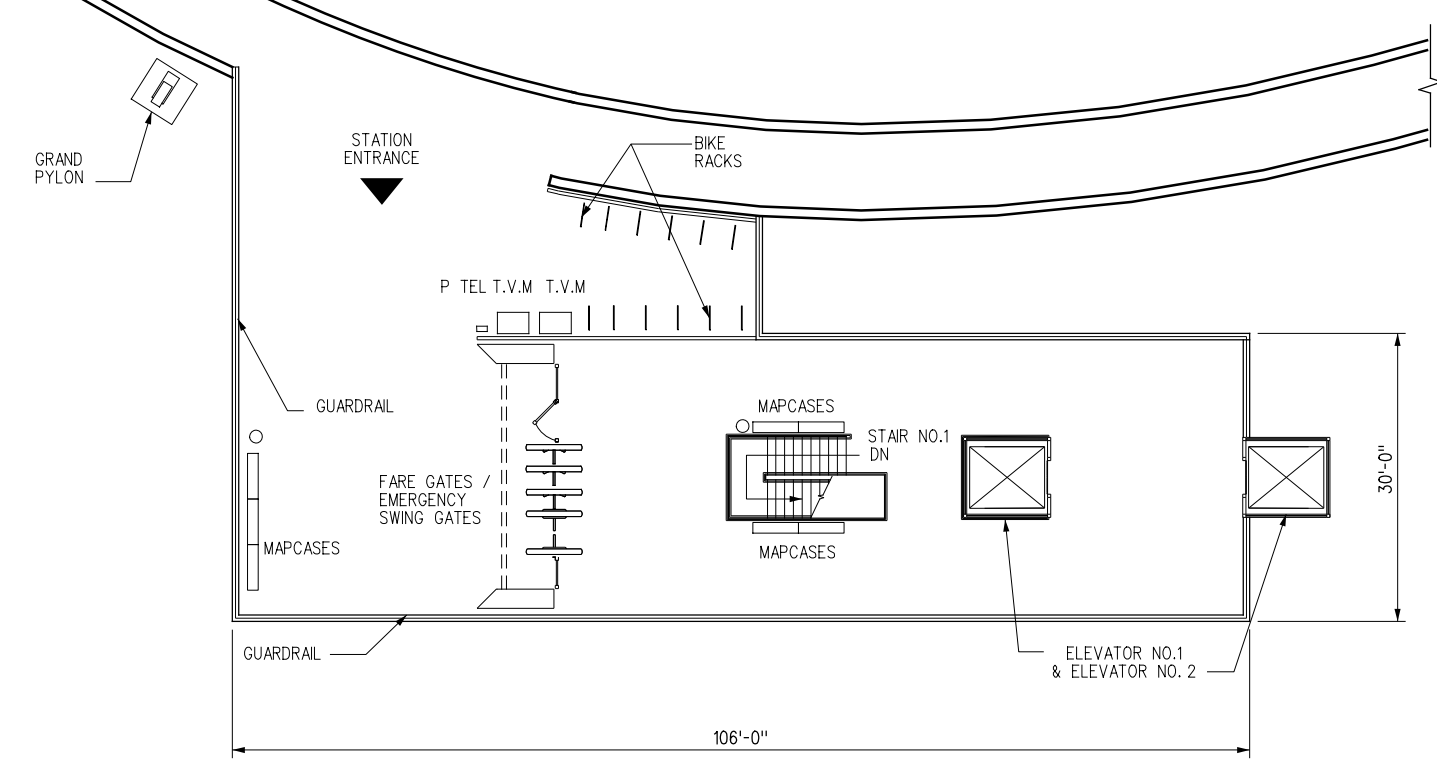
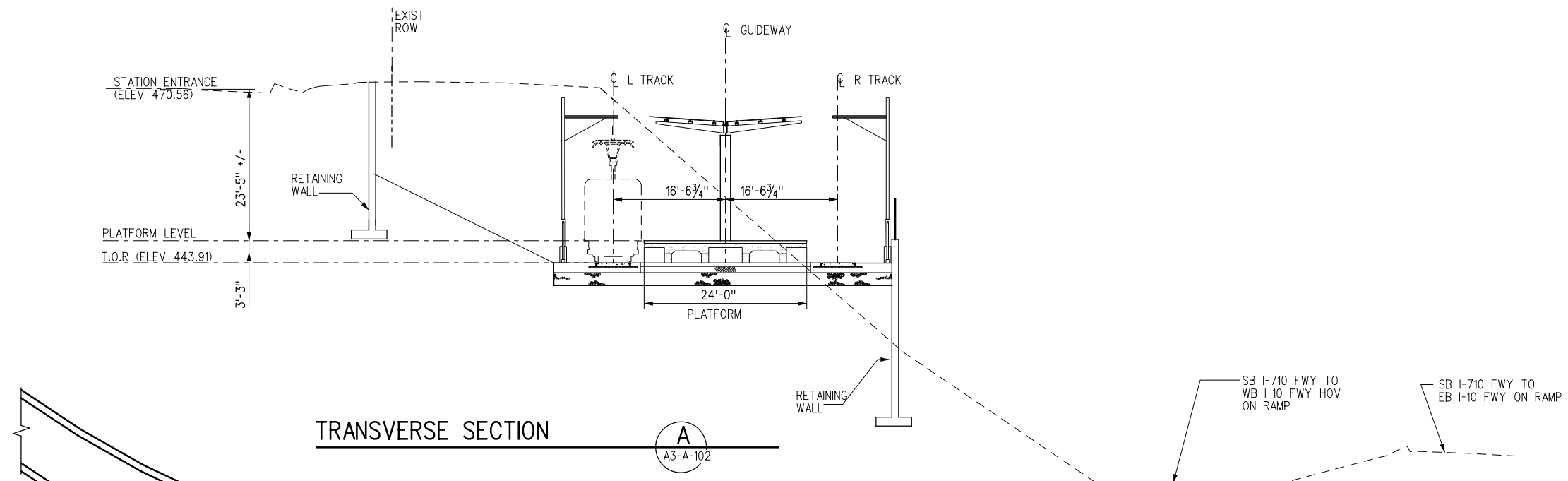
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 CAL STATE LA STATION
 SITE PLAN
 STATION ENTRANCE AT CIRCLE DRIVE

CONTRACT NO	
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SCALE	1"=40'-0"
SHEET NO	

Model Name= Default

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PRELIMINARY



REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

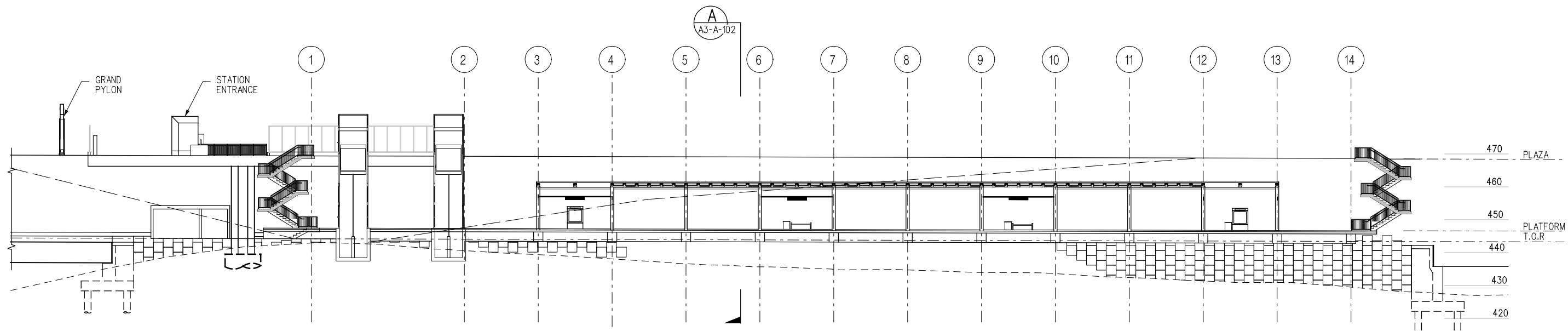


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CAL STATE LA STATION
STATION ENTRANCE PLAN
AND TRANSVERSE SECTION

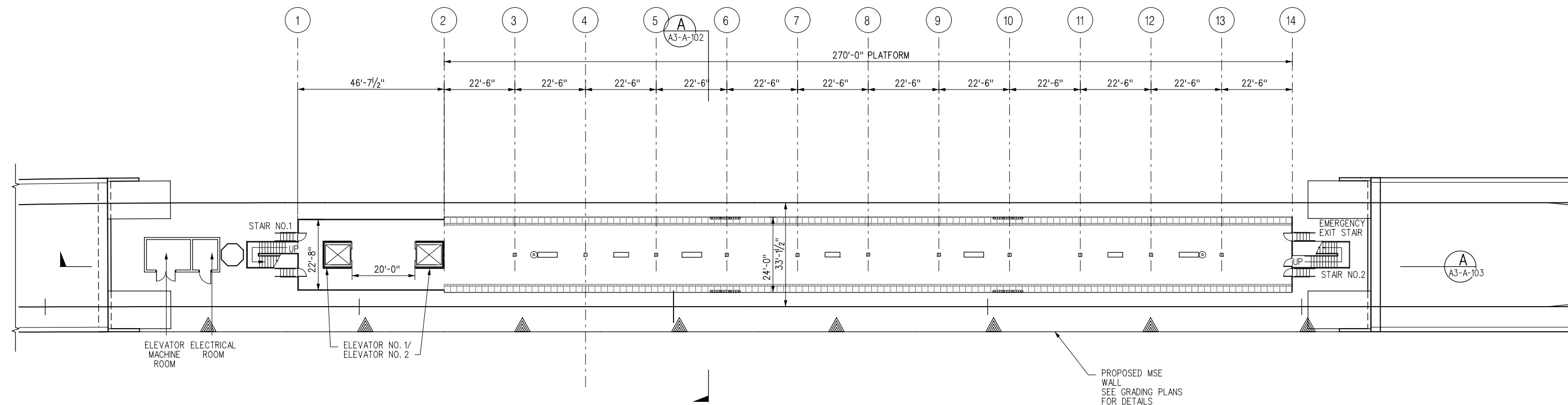
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SHEET NO	

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LONGITUDINAL SECTION

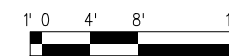
A
A3-A-103



PLAN

A
A3-A-103

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

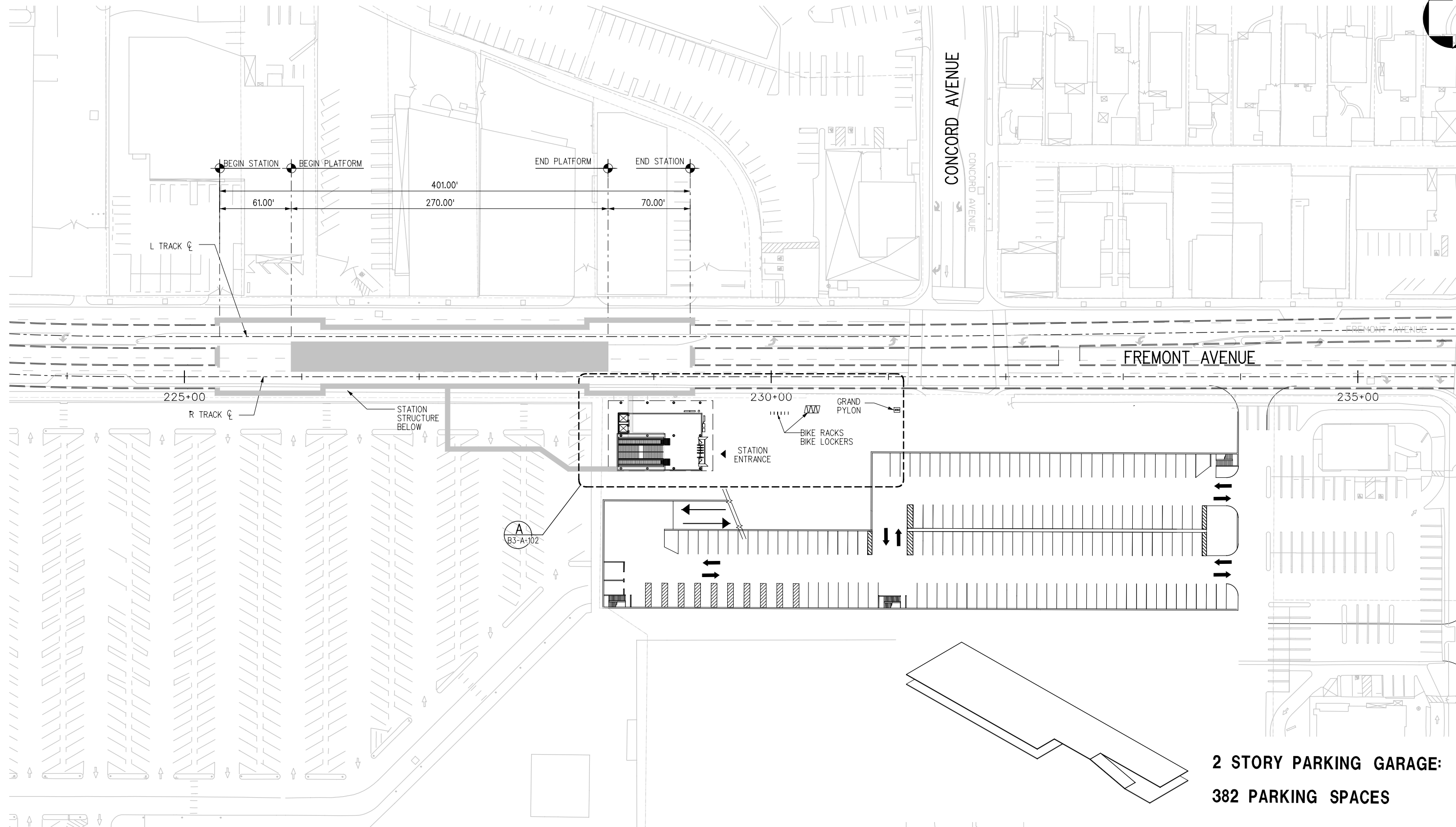
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CAL STATE LA STATION
PLATFORM LEVEL PLAN AND
LONGITUDINAL SECTION

CONTRACT NO	
DRAWING NO	A3-A-103
SCALE	1/16" = 1'-0"
SHEET NO	

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 Pentable: M:\AL_HALF_BW.plt



**2 STORY PARKING GARAGE:
382 PARKING SPACES**

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

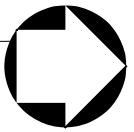
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ALHAMBRA STATION
SITE PLAN

CONTRACT NO	
DRAWING NO B3-A-101	REV
SCALE 1"=40'-0"	
SHEET NO	

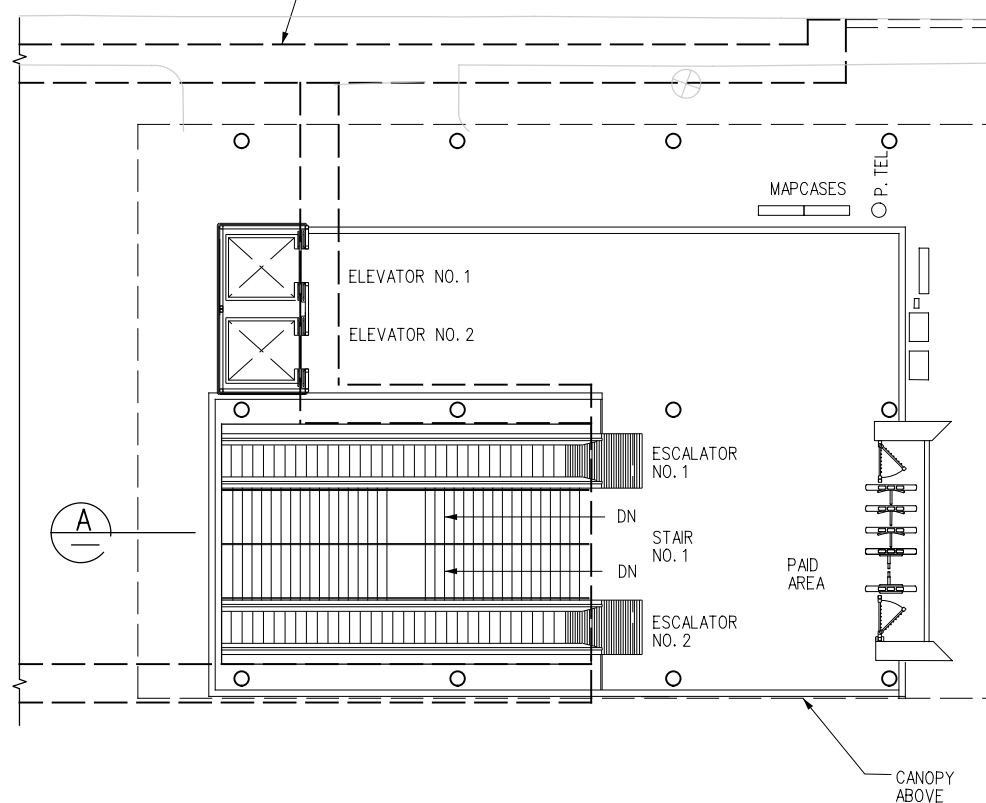
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FREMONT AVENUE

CONCORD AVE

STATION STRUCTURE BELOW

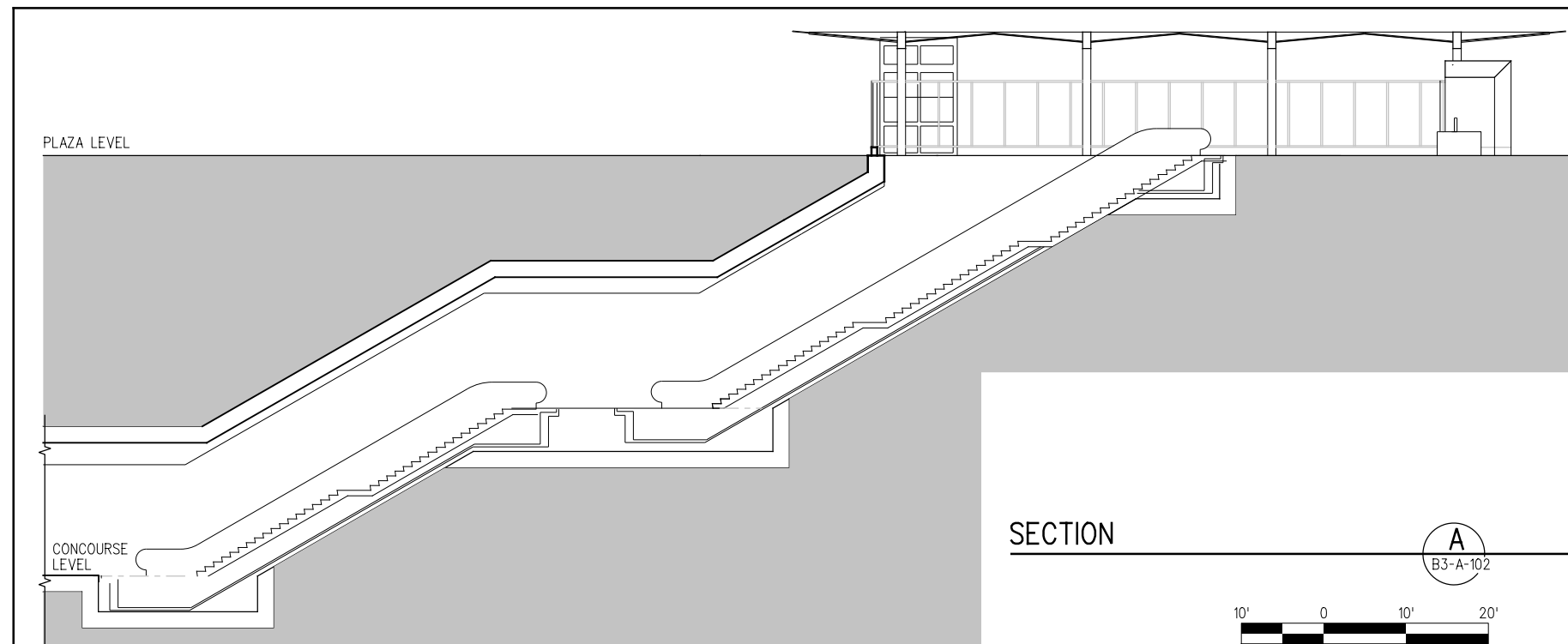


MAP CASE
E. TEL
T.V.M

STATION ENTRANCE

BIKE RACKS
BIKE LOCKERS

GRAND PYLON



A
B3-A-102

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ALHAMBRA STATION
PLAZA PLAN
AND TRANSVERSE SECTION

CONTRACT NO
DRAWING NO
B3-A-102
SCALE
1' = 10' - 0"
SHEET NO

Model Name = Default

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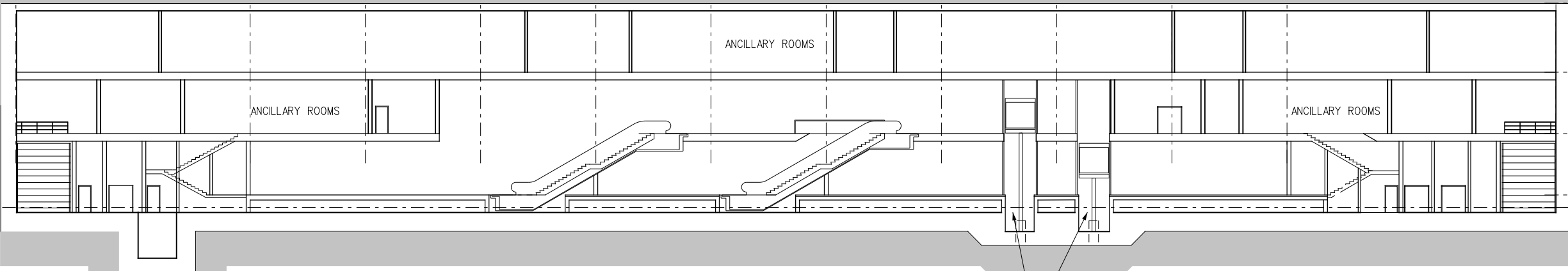
401'-0"

STREET LEVEL

17'-9"
18'-0"
16'-0"
16'-0"
3'-3"

7'1" +/-

ANCILLARY LEVEL
CONCOURSE LEVEL
PLATFORM LEVEL
T.O.R.



LONGITUDINAL SECTION

A
B3-A-103

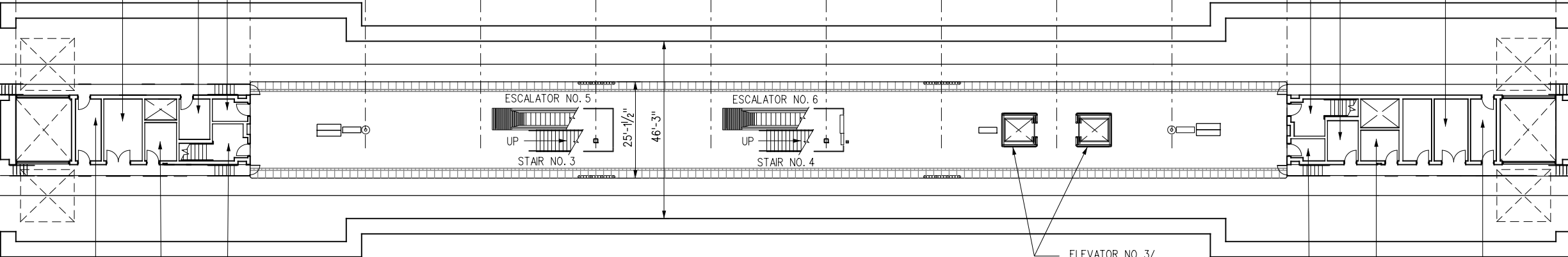
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401'-0"

270'-0" PLATFORM

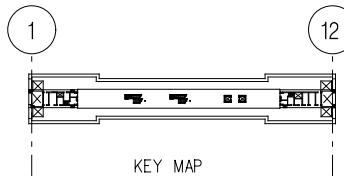
ELECTRICAL ROOM
CABLE ROOM
EMERGENCY EQUIPMENT ROOM

EMERGENCY EXIT STAIR/ARA
CABLE ROOM
ELECTRICAL ROOM



PLATFORM PLAN

B
B3-A-103



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT

DRAWN BY
R. NIGHT

CHECKED BY
J. AL-MASHAT

IN CHARGE
J. AL-MASHAT

DATE
8/12/13



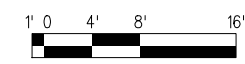
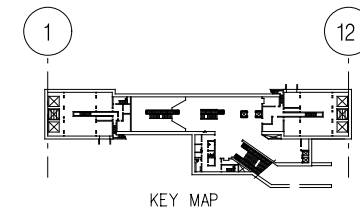
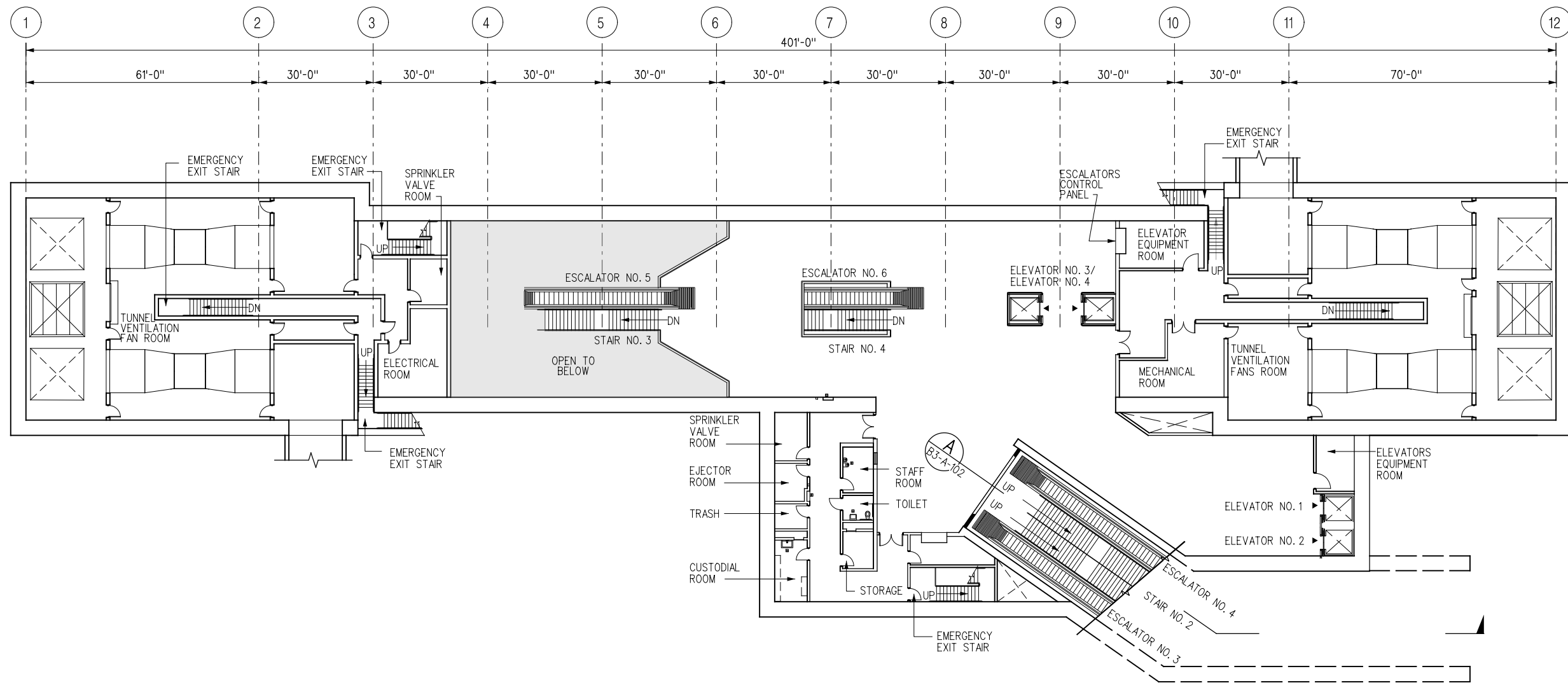
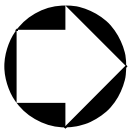
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ALHAMBRA STATION
PLATFORM LEVEL PLAN
AND LONGITUDINAL SECTION

CONTRACT NO	
DRAWING NO	B3-A-103
SCALE	1/16" = 1' - 0"
SHEET NO	

Model Name = Default

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PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

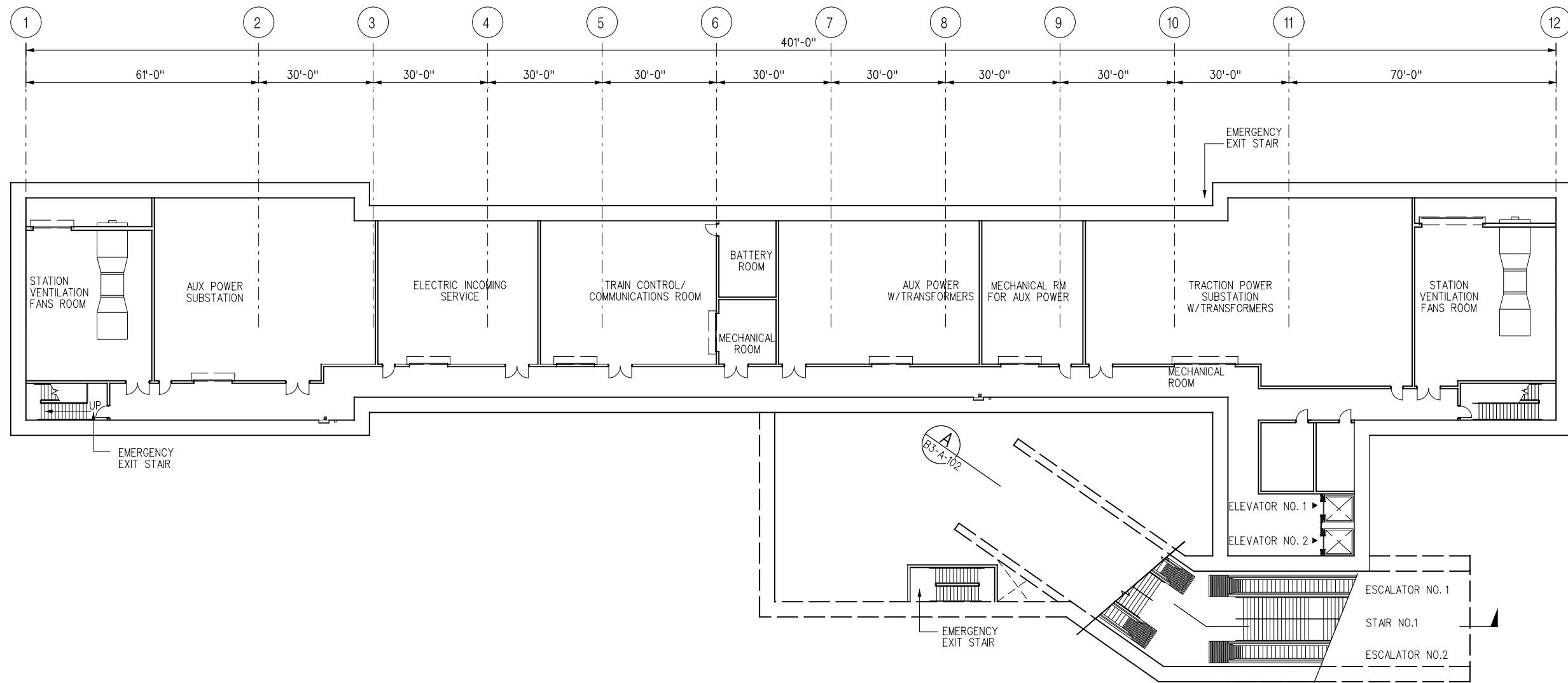
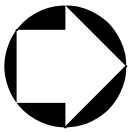
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT
DRAWN BY
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J. AL-MASHAT
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DATE
8/12/13



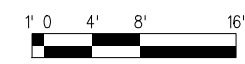
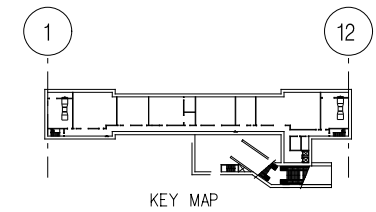
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ALHAMBRA STATION
CONCOURSE LEVEL PLAN

CONTRACT NO	
DRAWING NO B3-A-104	REV
SCALE 1/16" = 1'-0"	
SHEET NO	



A
B3-A-103

A
B3-A-102



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

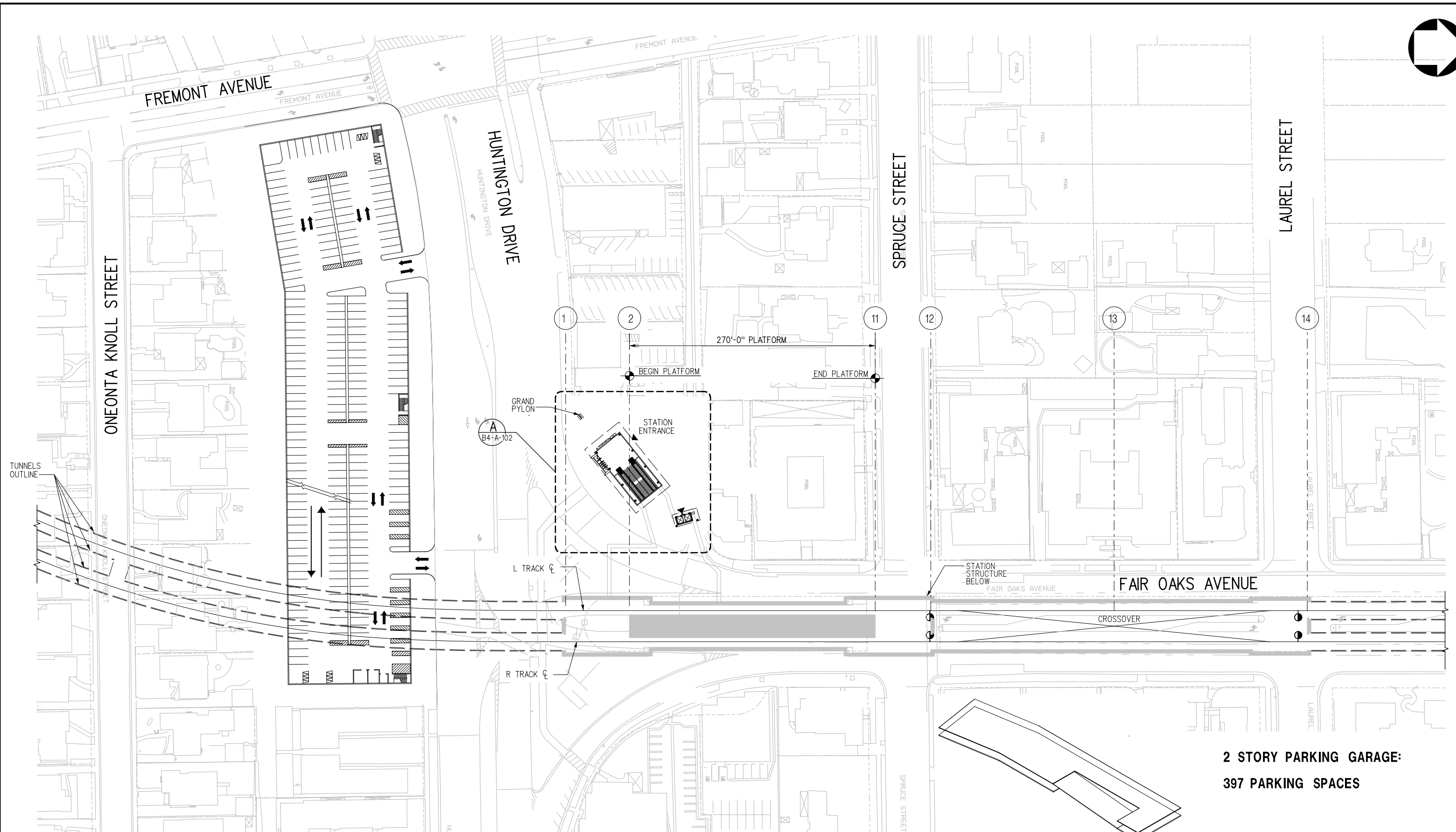
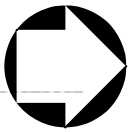
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
ALHAMBRA STATION
ANCILLARY LEVEL PLAN

CONTRACT NO	
DRAWING NO B3-A-105	REV
SCALE 1/16" = 1'-0"	
SHEET NO	



PRELIMINARY



**2 STORY PARKING GARAGE:
397 PARKING SPACES**

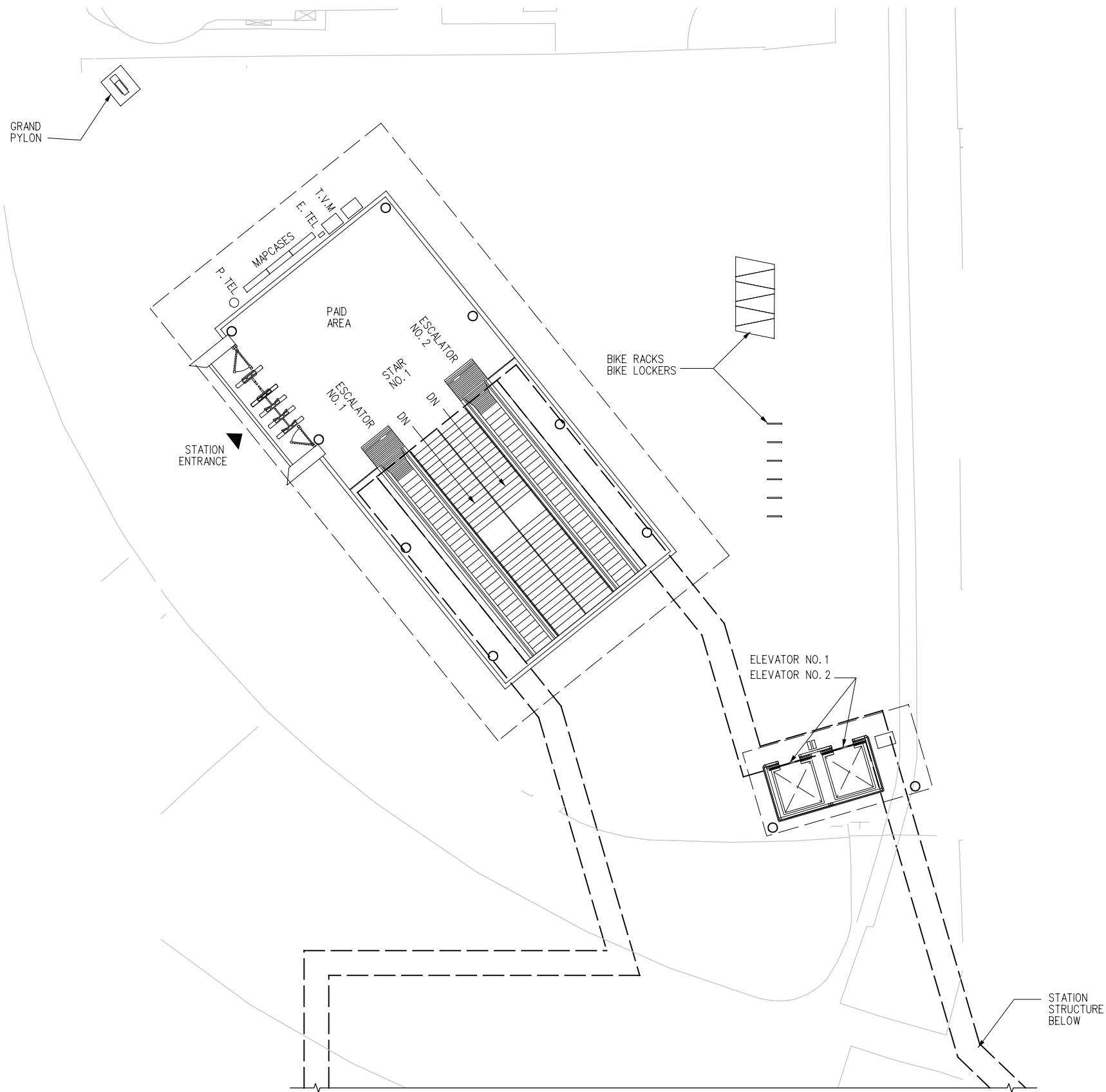
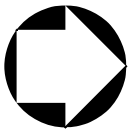
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
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IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 HUNTINGTON STATION
 SITE PLAN

CONTRACT NO	
DRAWING NO B4-A-101	REV
SCALE 1"=50'-0"	
SHEET NO	



ELEVATORS AT PLAZA



CONCOURSE LEVEL

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

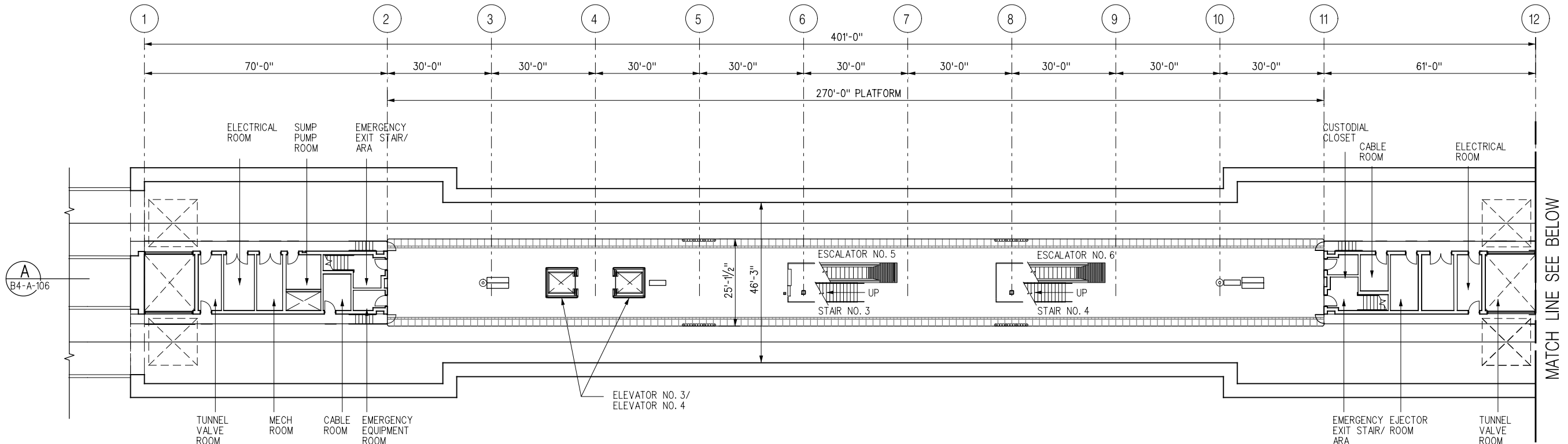
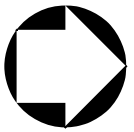
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



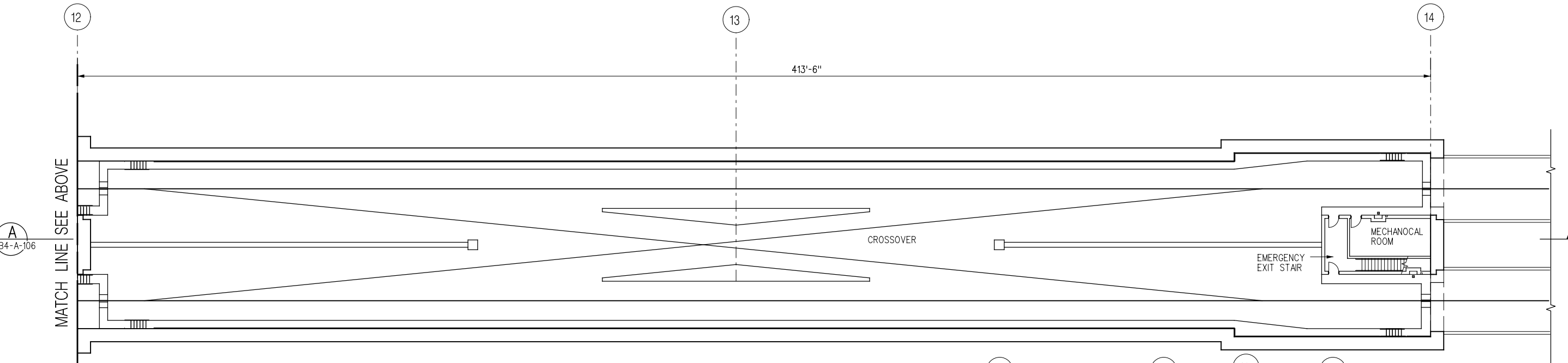
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
HUNTINGTON STATION
PLAZA PLAN

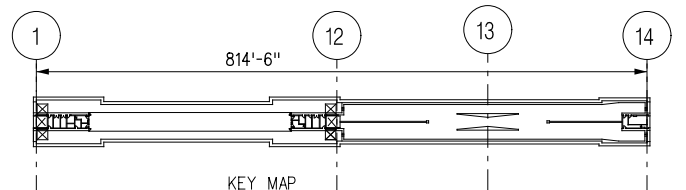
CONTRACT NO	
DRAWING NO B4-A-102	REV
SCALE 1"=10'-0"	
SHEET NO	



MATCH LINE SEE BELOW



MATCH LINE SEE ABOVE



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT
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R. NIGHT
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J. AL-MASHAT
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J. AL-MASHAT
DATE
8/12/13

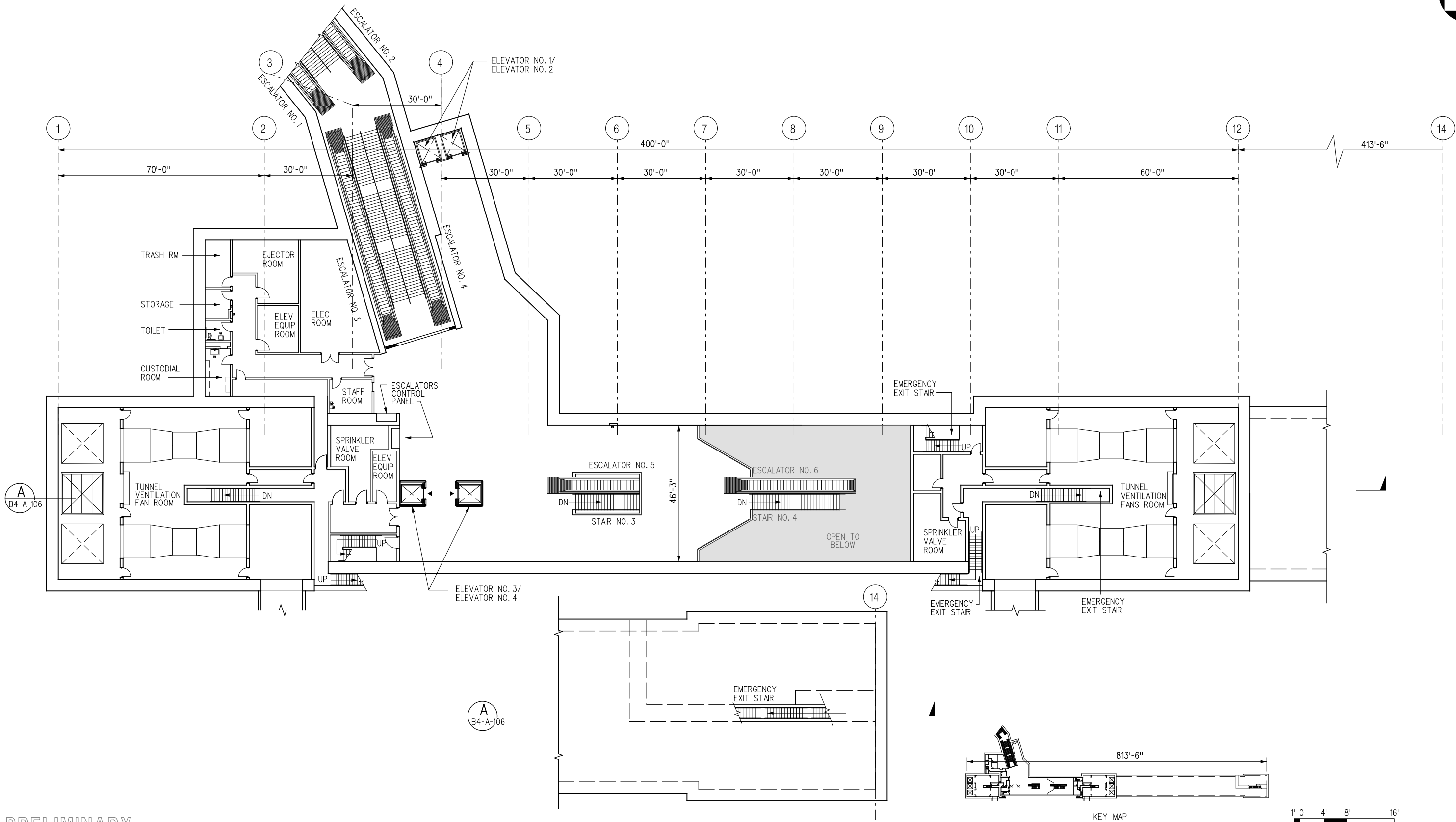
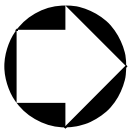


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
HUNTINGTON STATION
PLATFORM LEVEL PLAN

CONTRACT NO	
DRAWING NO	B4-A-103
SCALE	1/16" = 1'-0"
SHEET NO	

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PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

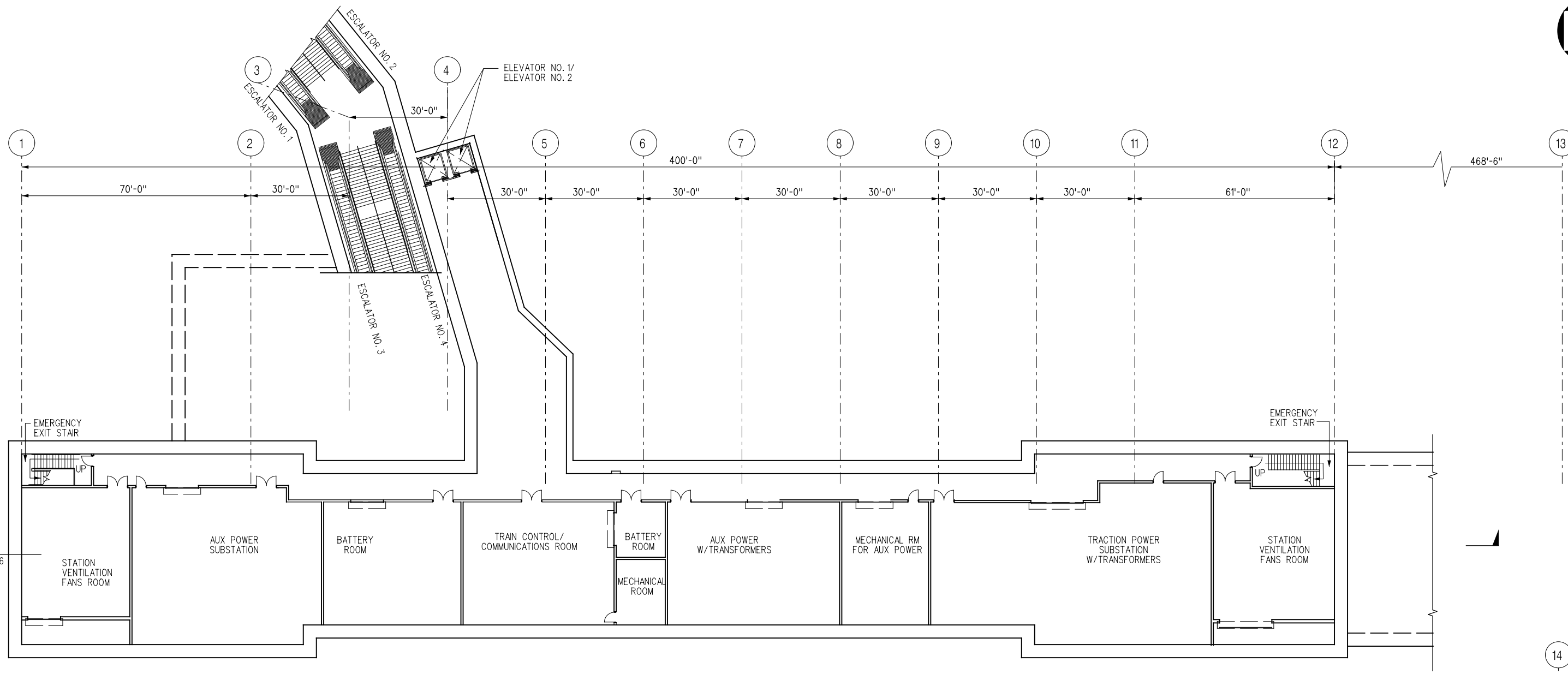
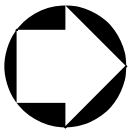
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

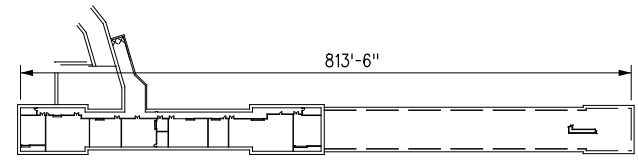
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
HUNTINGTON STATION
CONCOURSE LEVEL PLAN

CONTRACT NO
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B4-A-104
SCALE
1/16" = 1' - 0"
SHEET NO

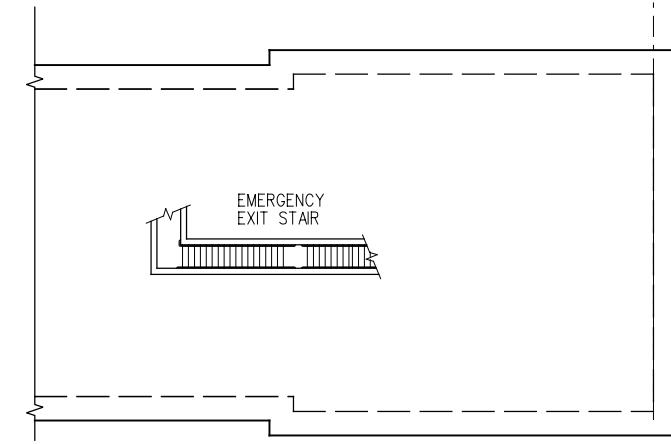


A
B4-A-106

A
B4-A-106



KEY MAP



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

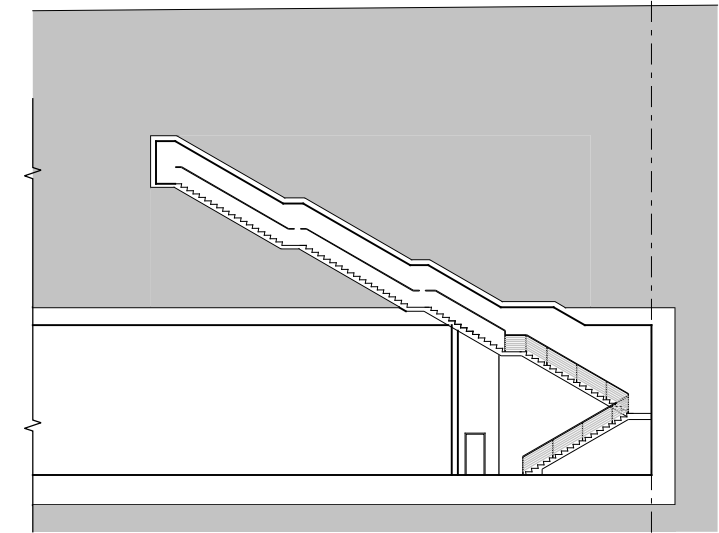
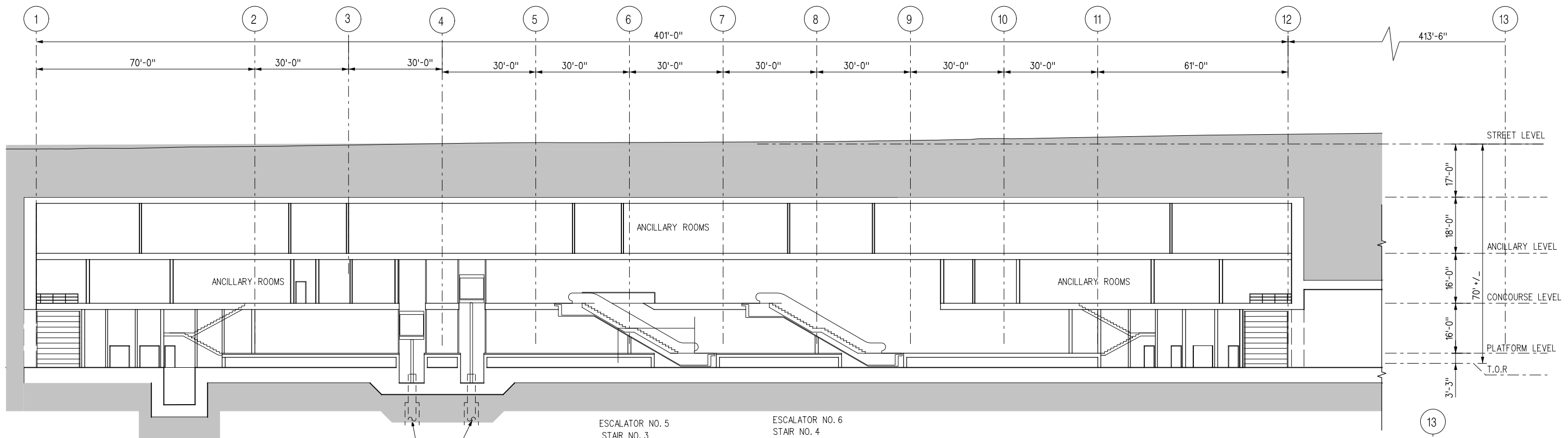
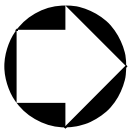
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
HUNTINGTON STATION
ANCILLARY LEVEL PLAN

CONTRACT NO	
DRAWING NO B4-A-105	REV
SCALE 1/16" = 1'-0"	
SHEET NO	



KEY MAP

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

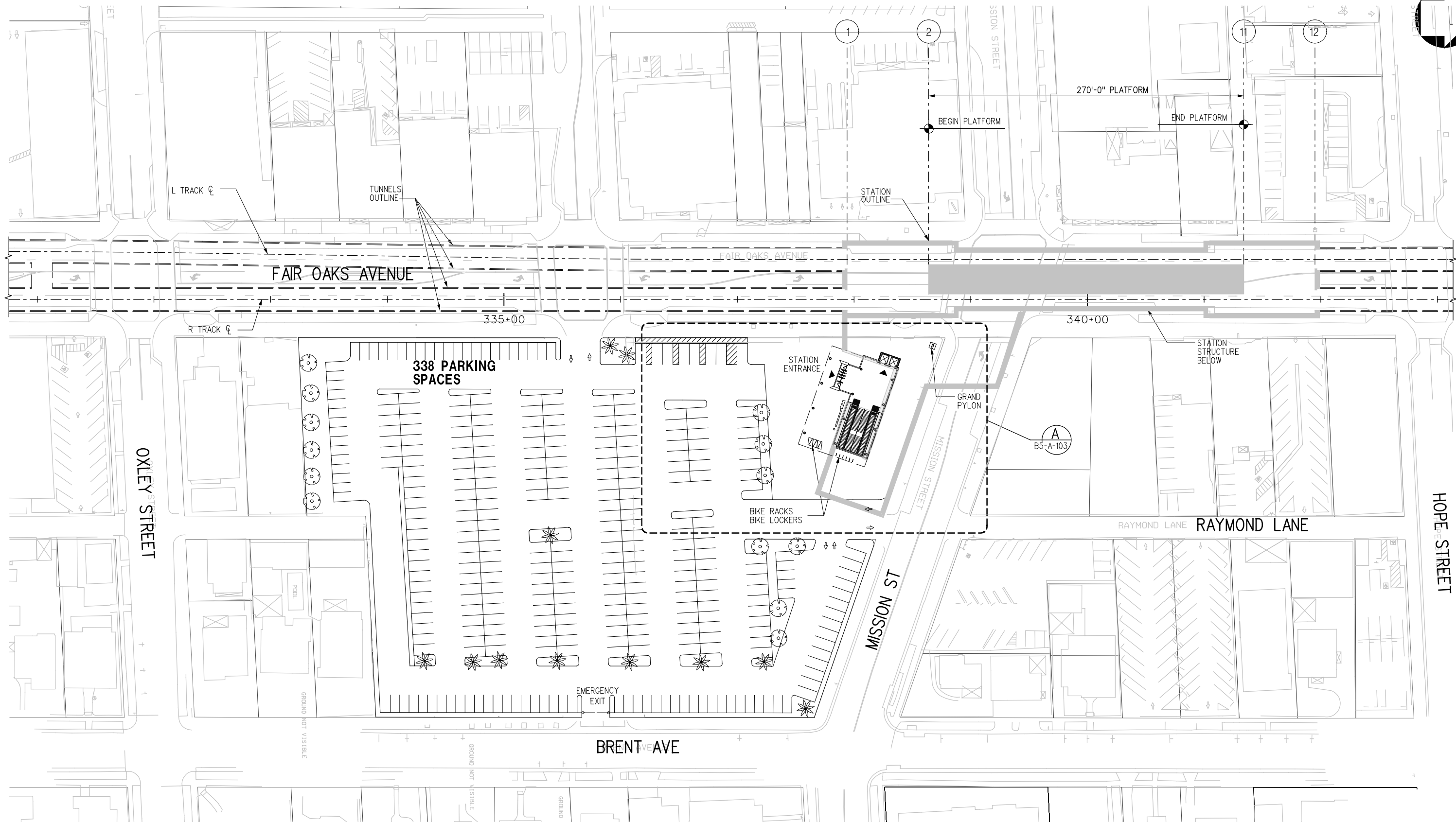
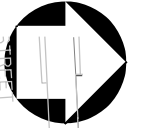
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
HUNTINGTON STATION
LONGITUDINAL SECTION

CONTRACT NO	
DRAWING NO B4-A-106	REV
SCALE 1/16" = 1'-0"	
SHEET NO	



PRELIMINARY

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

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IN CHARGE J. AL-MASHAT
DATE 8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
SITE PLAN

CONTRACT NO	
DRAWING NO B5-A-101	REV
SCALE 1"=40'-0"	
SHEET NO	



FAIR OAKS AVENUE

STATION OUTLINE

ELEVATOR NO. 1

ELEVATOR NO. 2

GRAND PYLON

STATION ENTRANCE

PAID AREA

ESCALATOR NO. 1

STAIR NO. 1

ESCALATOR NO. 2

T.V.M

E. TEL

MAPCASES

P. TEL

BIKE RACKS
BIKE LOCKERS

CANOPY ABOVE

MISSION ST

PLAN

A
B5-A-102

B
B5-A-106



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT

DRAWN BY
R. NIGHT

CHECKED BY
J. AL-MASHAT

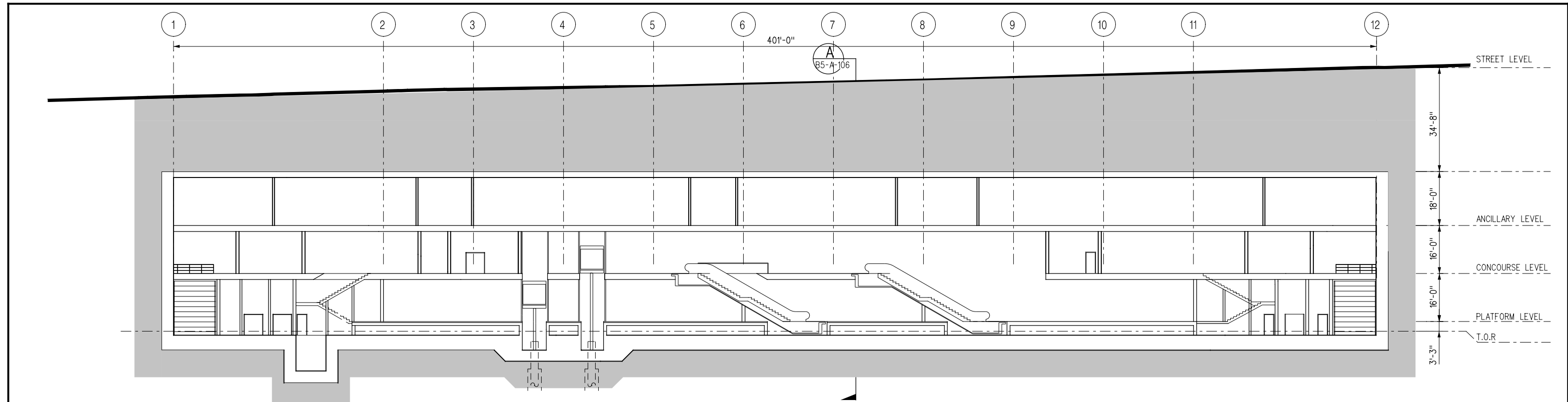
IN CHARGE
J. AL-MASHAT

DATE
8/12/13



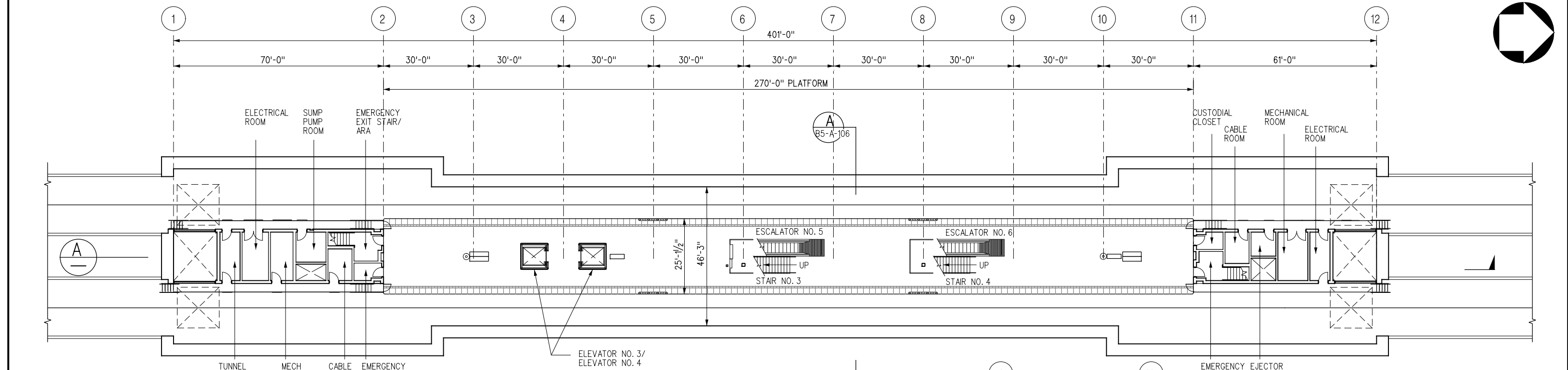
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
PLAZA PLAN

CONTRACT NO	
DRAWING NO B5-A-102	REV
SCALE 1"=10'-0"	
SHEET NO	



LONGITUDINAL SECTION

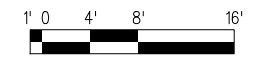
A
B5-A-103



PLATFORM LEVEL PLAN

B
B5-A-103

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

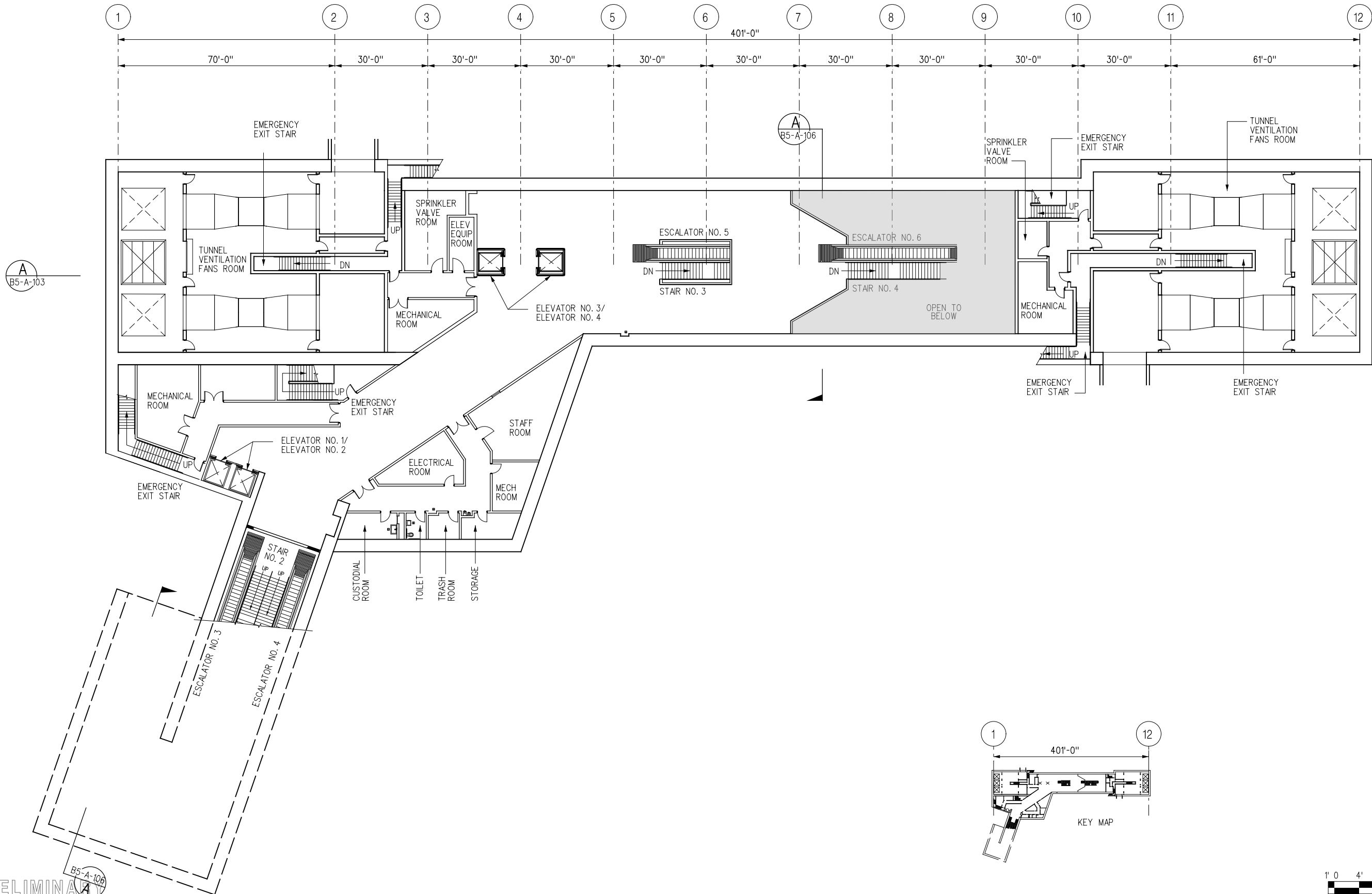
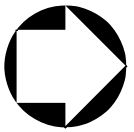
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
PLATFORM LEVEL PLAN
AND LONGITUDINAL SECTION**

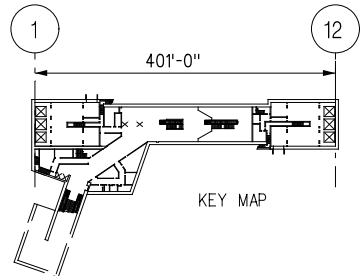
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SHEET NO	

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A
B5-A-103

A
B5-A-106



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

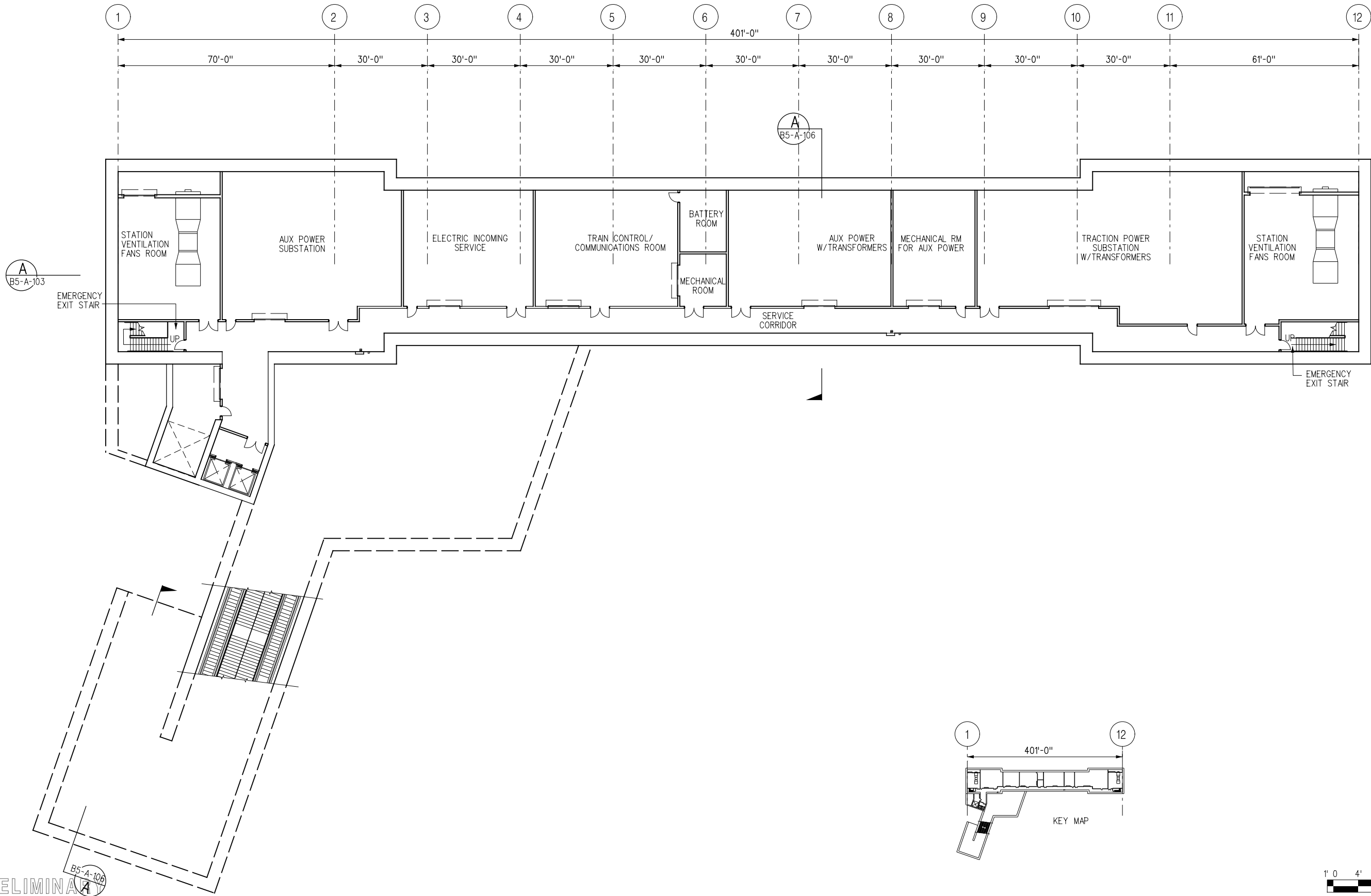
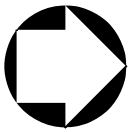
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13



SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
CONCOURSE LEVEL PLAN

CONTRACT NO	
DRAWING NO B5-A-104	REV
SCALE 1/16" = 1'-0"	
SHEET NO	

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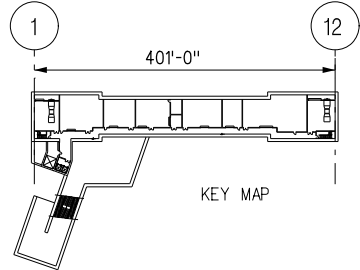


A
B5-A-103

A
B5-A-106

EMERGENCY
EXIT STAIR

EMERGENCY
EXIT STAIR



PRELIMINARY



THE PREPARATION OF THIS
DRAWING HAS BEEN FINANCED BY
THE TAXES OF THE CITIZENS OF
LOS ANGELES COUNTY AND OF
THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13

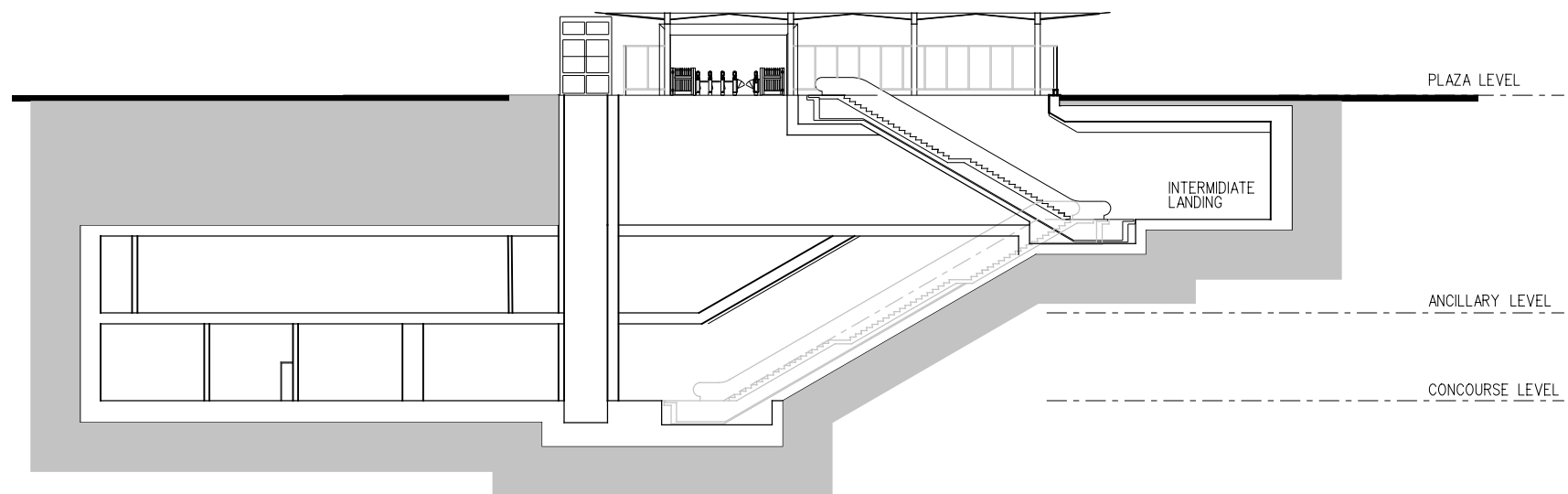


LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

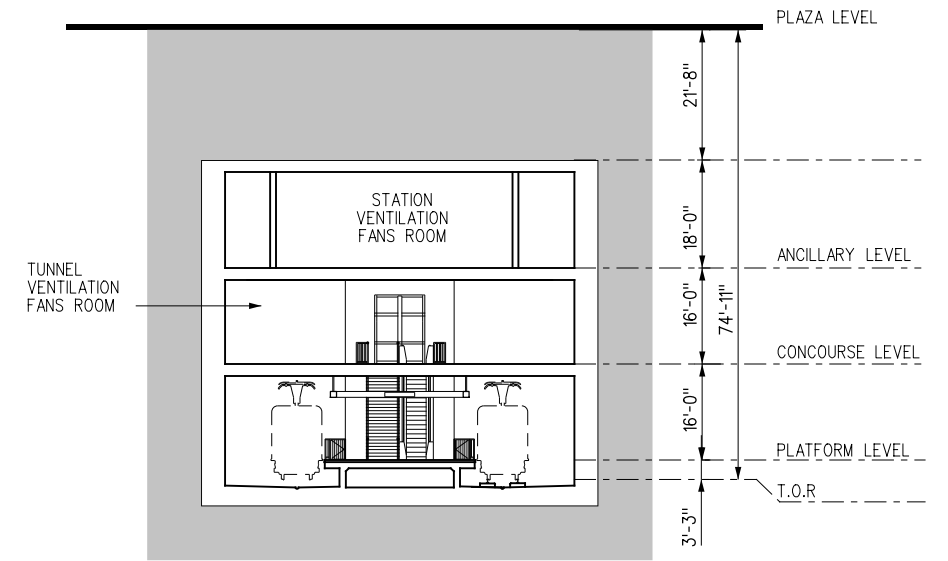
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ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
ANCILLARY LEVEL PLAN

CONTRACT NO	
DRAWING NO B5-A-105	REV
SCALE 1/16" = 1'-0"	
SHEET NO	

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SECTION AT ENTRANCE B
B5-A-106

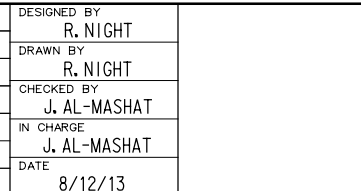


SECTION A
B5-A-106

PRELIMINARY



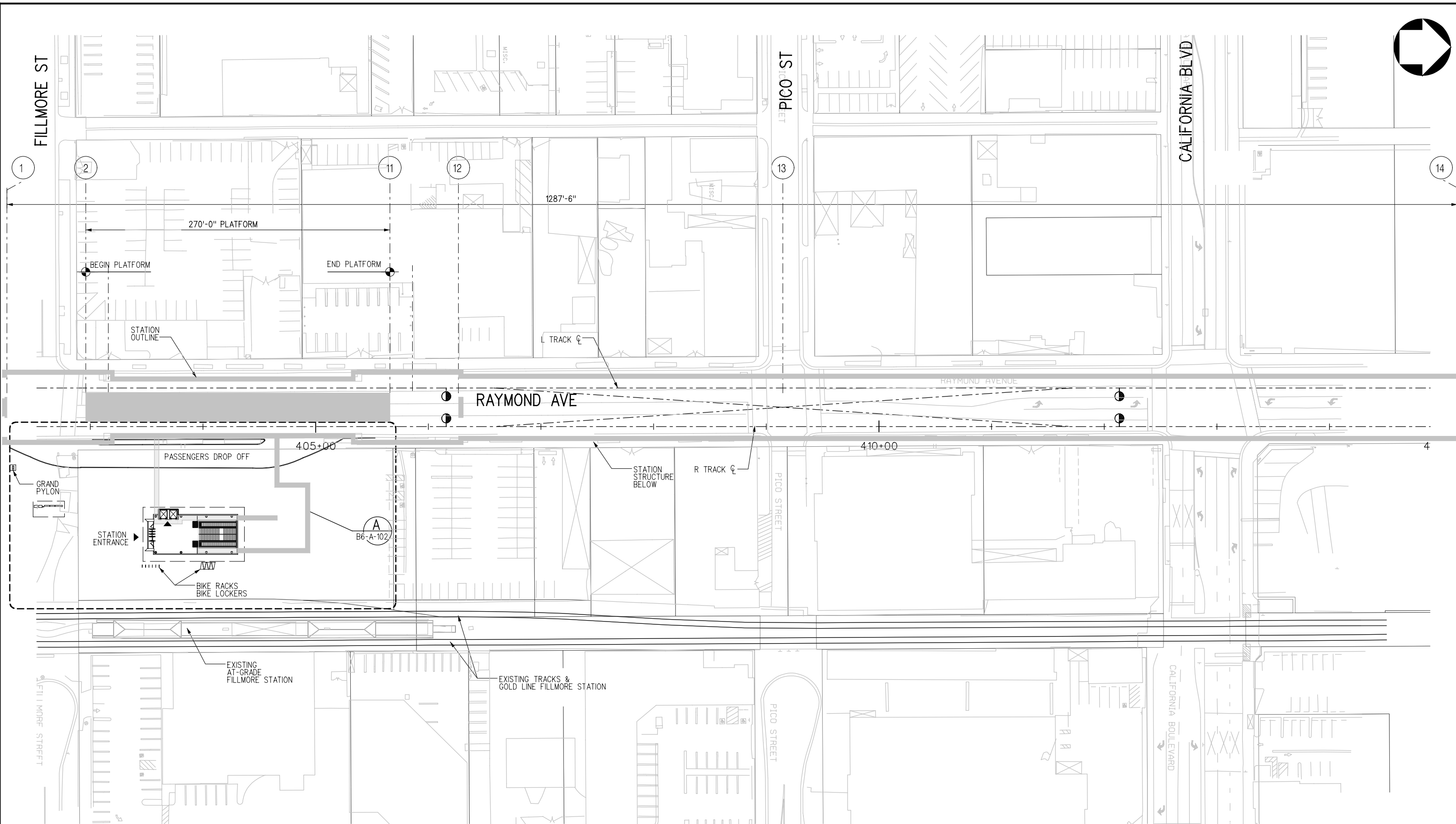
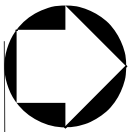
THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							DESIGNED BY R. NIGHT
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DRAWN BY R. NIGHT
							CHECKED BY J. AL-MASHAT
							IN CHARGE J. AL-MASHAT
							DATE 8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
SOUTH PASADENA STATION
TRANSVERSE SECTIONS

CONTRACT NO	
DRAWING NO B5-A-106	REV
SCALE 1/16" = 1'-0"	
SHEET NO	




PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 FILLMORE STATION
 SITE PLAN**

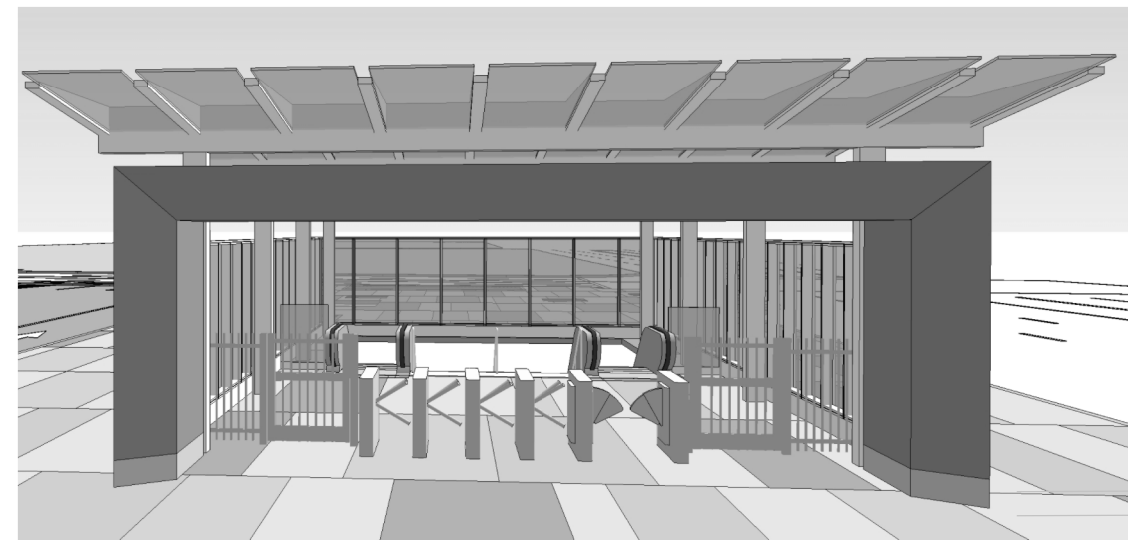
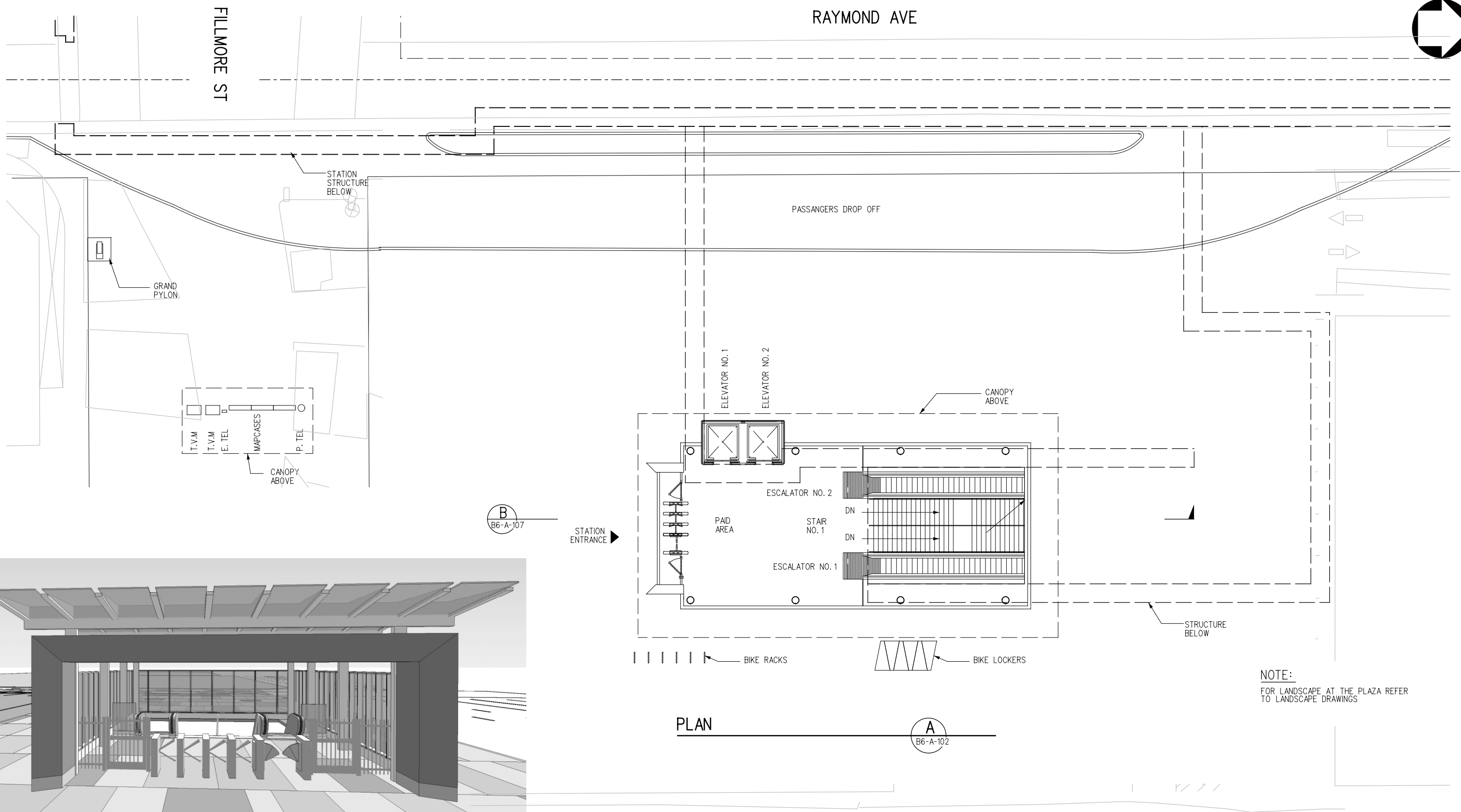
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DRAWING NO	B6-A-101
SCALE	1"=40'-0"
SHEET NO	

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RAYMOND AVE

FILLMORE ST



ENTRANCE TO STATION

PRELIMINARY

PLAN

A B6-A-102

NOTE:
FOR LANDSCAPE AT THE PLAZA REFER
TO LANDSCAPE DRAWINGS



REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

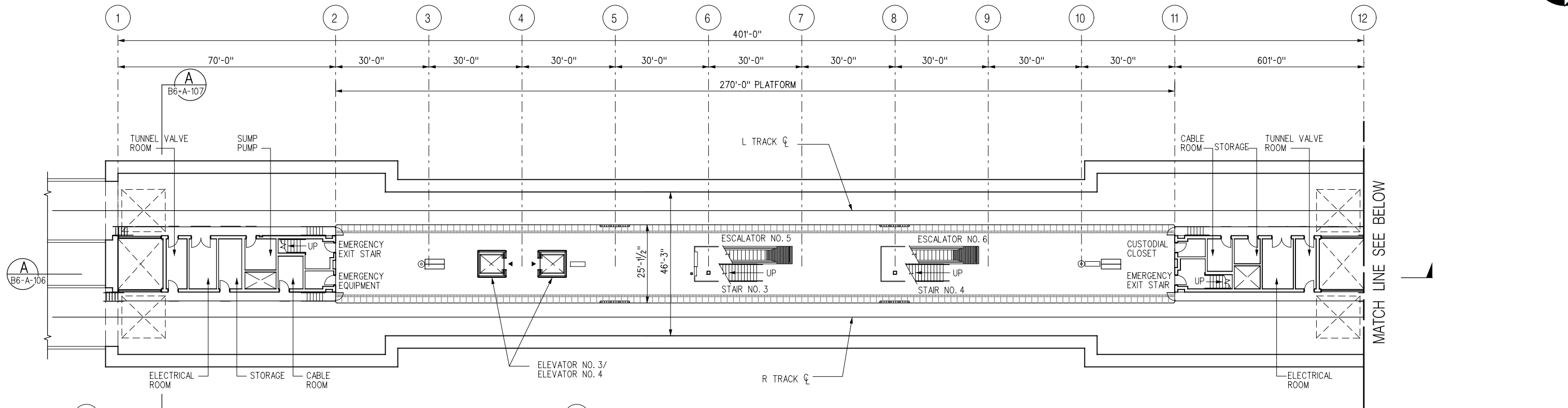
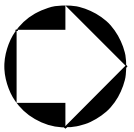
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

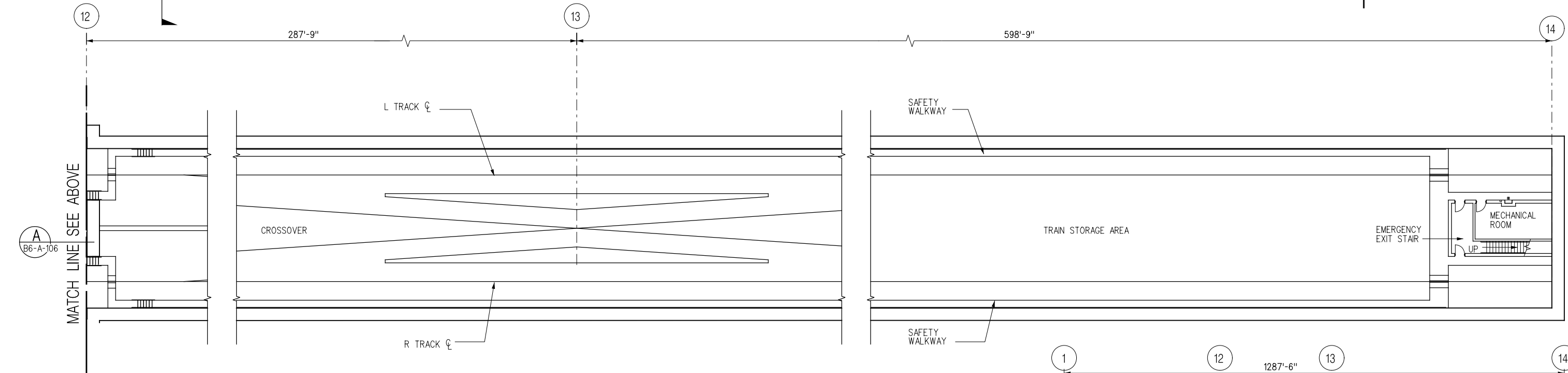
SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
PLAZA PLAN

CONTRACT NO	
DRAWING NO B6-A-102	REV
SCALE 1"=10'-0"	
SHEET NO	

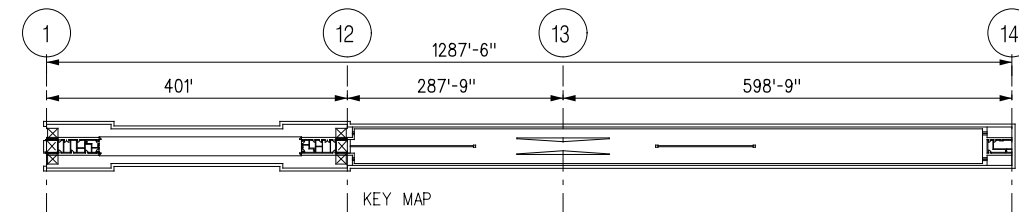
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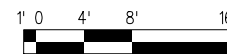
MATCH LINE SEE BELOW



MATCH LINE SEE ABOVE



KEY MAP



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

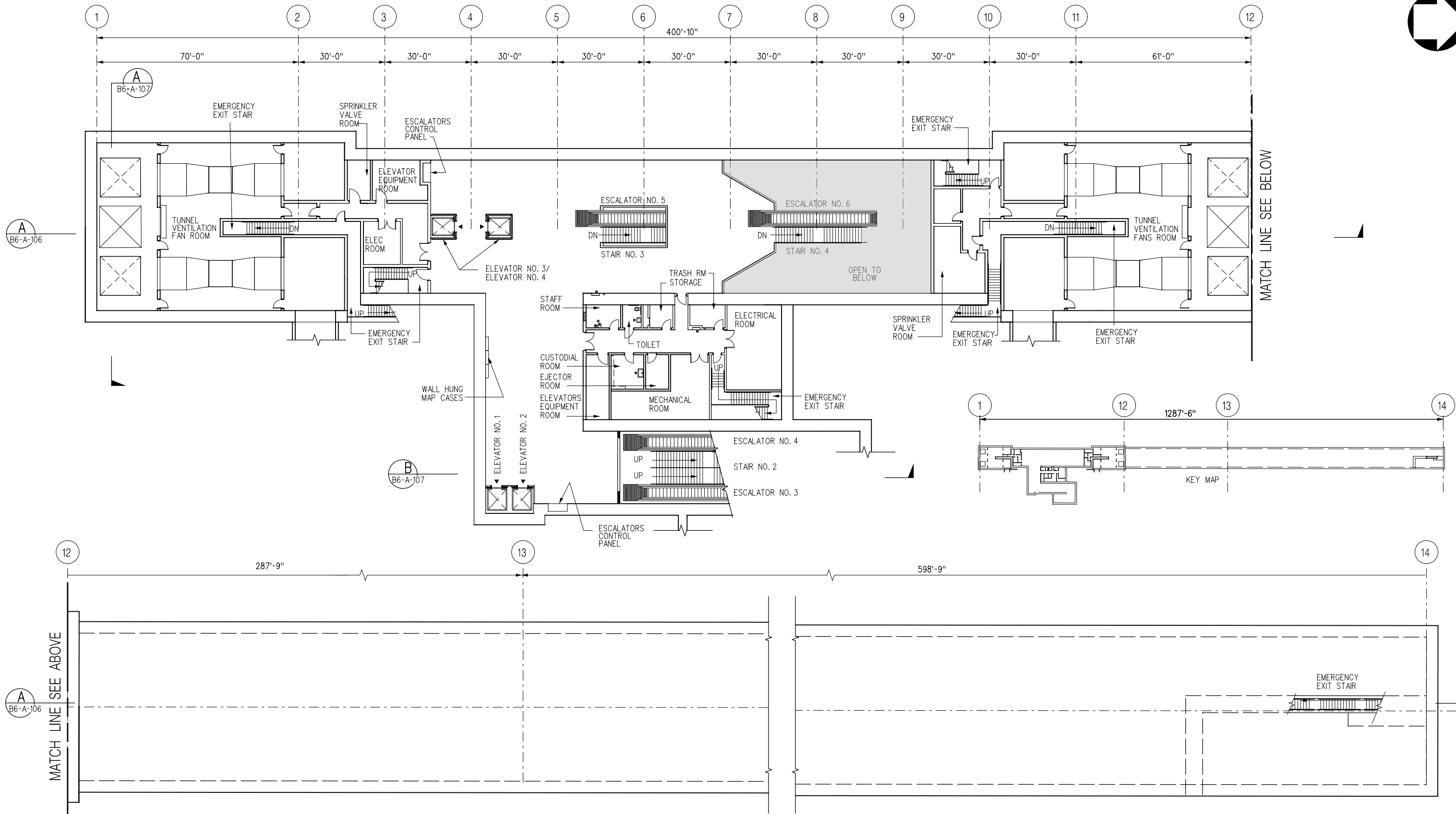
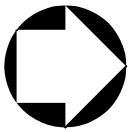
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
PLATFORM/TRACK LEVEL PLAN

CONTRACT NO
DRAWING NO
B6-A-103
SCALE
1/16" = 1' - 0"
SHEET NO



PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

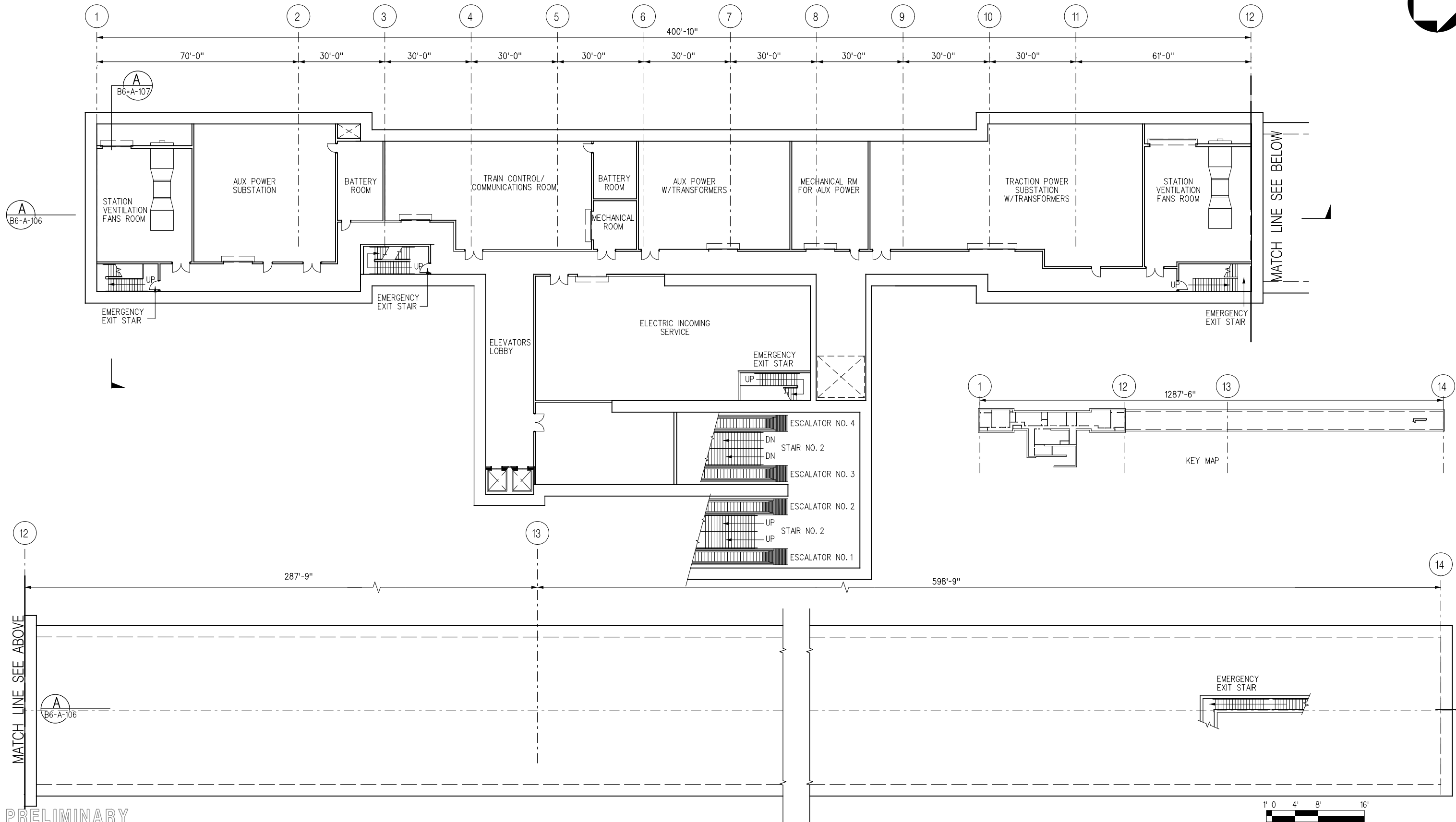
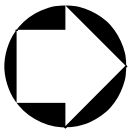
DESIGNED BY	R. NIGHT
DRAWN BY	R. NIGHT
CHECKED BY	J. AL-MASHAT
IN CHARGE	J. AL-MASHAT
DATE	8/12/13



SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 FILLMORE STATION
 CONCOURSE LEVEL PLAN

CONTRACT NO	
DRAWING NO	A6-A-104
SCALE	1/16" = 1'-0"
SHEET NO	

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 Pentable: M:\A\HALF-BW.plt



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

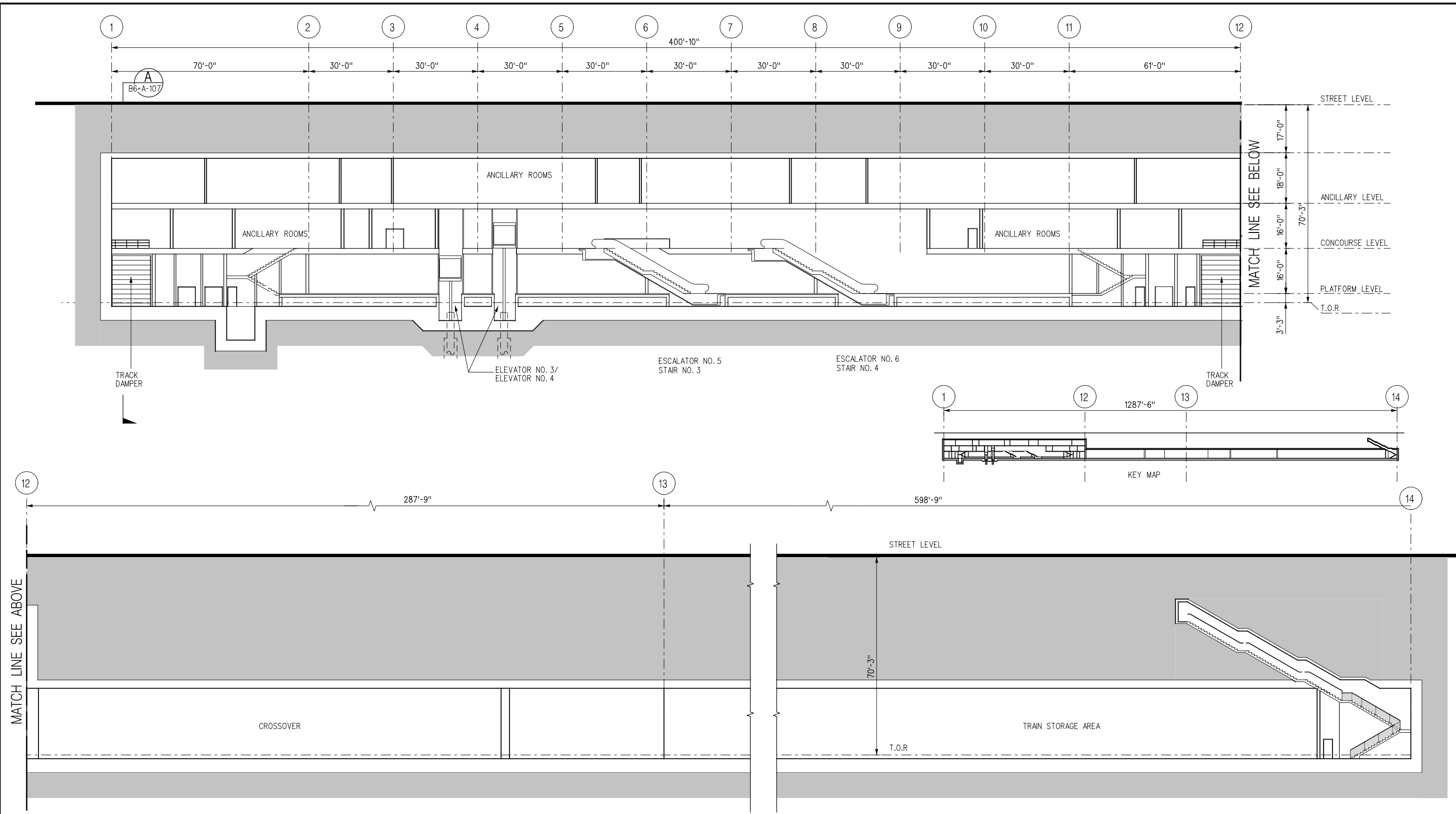
DESIGNED BY
R. NIGHT
DRAWN BY
R. NIGHT
CHECKED BY
J. AL-MASHAT
IN CHARGE
J. AL-MASHAT
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
ANCILLARY LEVEL PLAN

CONTRACT NO
DRAWING NO
A6-A-105
SCALE
1/16" = 1'-0"
SHEET NO



PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.						
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER

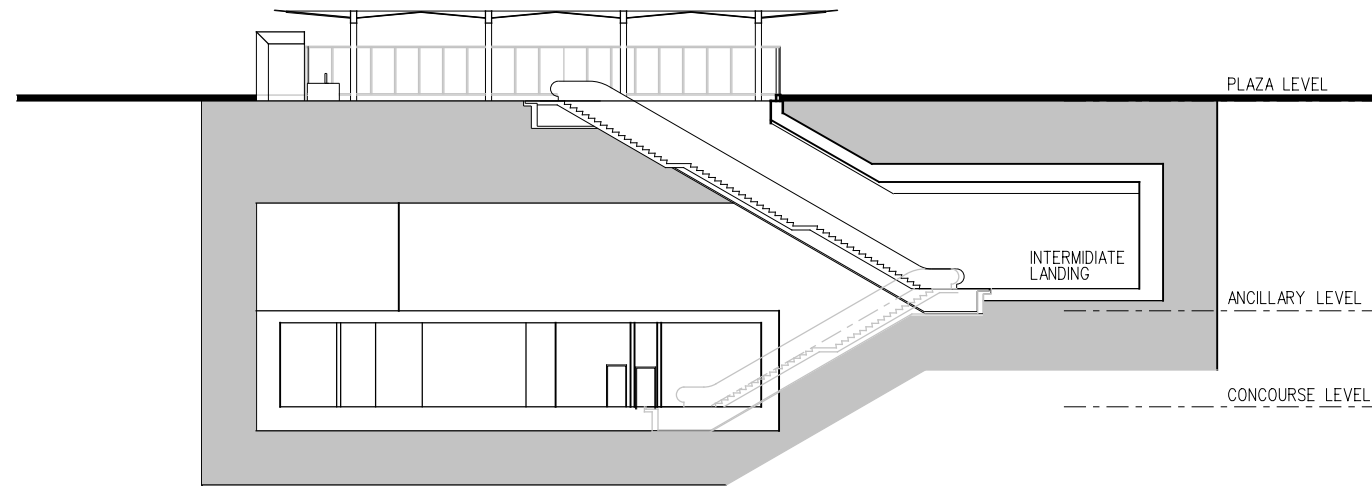
DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

**SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
LONGITUDINAL SECTION**

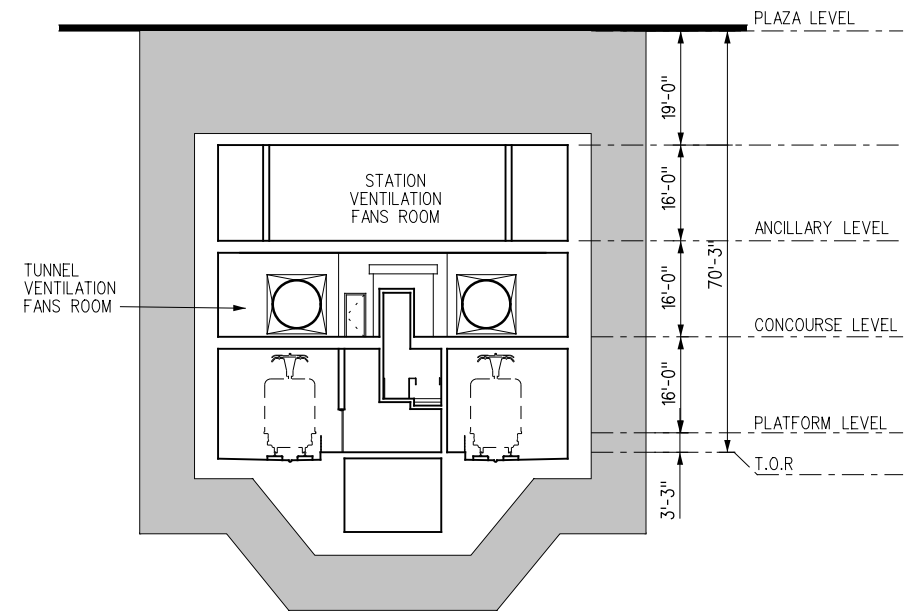
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SECTION AT ENTRANCE

B
B6-A-107



SECTION

A
B6-A-107

PRELIMINARY



THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY R. NIGHT
DRAWN BY R. NIGHT
CHECKED BY J. AL-MASHAT
IN CHARGE J. AL-MASHAT
DATE 8/12/13

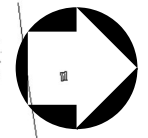
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
 ADVANCED CONCEPTUAL DESIGN
 FILLMORE STATION
 TRANSVERSE SECTIONS

CONTRACT NO	
DRAWING NO B6-A-107	REV
SCALE 1/16" = 1' - 0"	
SHEET NO	



NUMBERED NOTES	
1	(N) CIVIC CENTER ELEVATED STATION
2	(E) CIVIC CENTER AT GRADE STATION
3	RETAIL SHOPS
4	LANDSCAPE AREA
5	NEW STATION ENTRANCE PAVILION
6	PHOENIX DATE PALM COLONADE
7	TENSILE SHADING STRUCTURE FOR OUTDOOR DINING/ACTIVITIES
8	VENDOR KIOSK



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
K. SRIVONGSE
DRAWN BY
V. ORTIZ
CHECKED BY
W. VILLALOBOS
IN CHARGE
F. VILLALOBOS
DATE
8/12/13



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
PLAZA LANDSCAPE
LAYOUT PLAN

CONTRACT NO	
DRAWING NO	A1-L-001
SCALE	1"=40'
SHEET NO	

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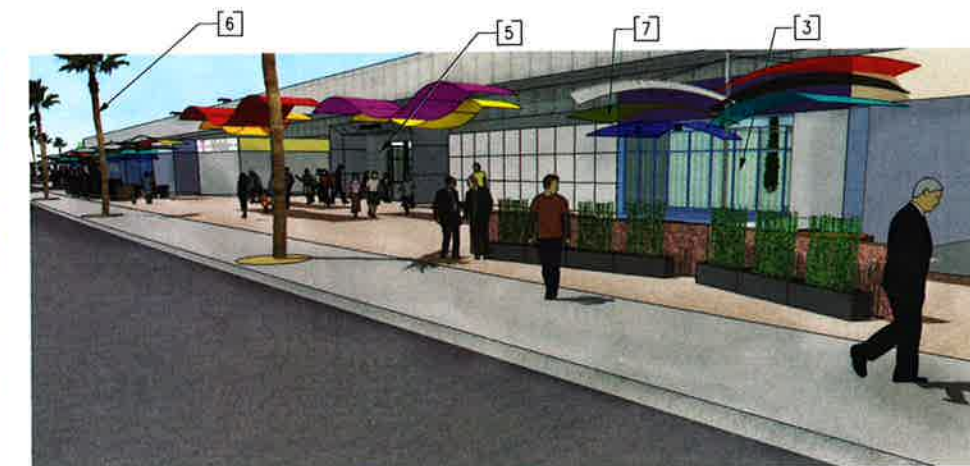
NUMBERED NOTES	
1	(N) CIVIC CENTER ELEVATED STATION
2	(E) CIVIC CENTER AT GRADE STATION
3	RETAIL SHOPS
4	OPEN PARK AREA
5	NEW STATION ENTRANCE PAVILION
6	PHOENIX DATE PALM COLONADE
7	TENSILE SHADING STRUCTURE FOR OUTDOOR DINING/ACTIVITIES
8	VENDOR KIOSK



RETAIL SHOPS



MEDNIK LOOKING NORTH



MEDNIK ENTRANCE

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
K. SRIVONGSE
DRAWN BY
M. MARTINEZ
CHECKED BY
W. VILLALOBOS
IN CHARGE
F. VILLALOBOS
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
CIVIC CENTER STATION
PLAZA CONCEPT
RENDERING

CONTRACT NO	
DRAWING NO A1-L-002	REV
SCALE NOT TO SCALE	
SHEET NO	



NUMBERED NOTES	
1	STANDARD METRO ENTRANCE PAVILION
2	(E) FILLMORE AT GRADE STATION
3	KISS & RIDE DROP OFF AREA
4	DROP OFF / PICK-UP / WALKWAY PAVILION
5	ROUTE MAP PAVILION
6	TVM PAVILION
7	PHOENIX DATE PALM
8	BACK LIT TRANSLUCENT SAFETY GLASS

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
K. SRIVONGSE
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V. ORTIZ
CHECKED BY
W. VILLALOBOS
IN CHARGE
F. VILLALOBOS
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
PLAZA LANDSCAPE
LAYOUT PLAN

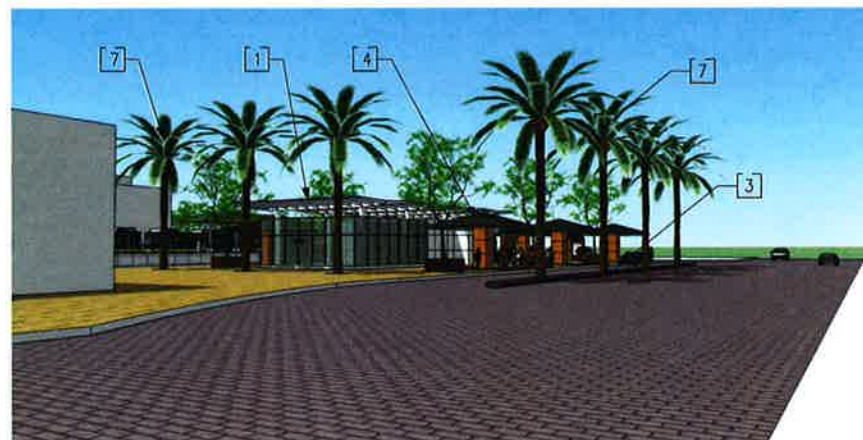
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B6-L-001	
SCALE	
NOT TO SCALE	
SHEET NO	

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AERIAL

NUMBERED NOTES	
1	STANDARD METRO ENTRANCE PAVILION
2	(E) FILLMORE AT GRADE STATION
3	KISS & RIDE DROP OFF AREA
4	DROP OFF / PICK-UP / WALKWAY PAVILION
5	ROUTE MAP PAVILION
6	TVM PAVILION
7	PHOENIX DATE PALM
8	BACK LIT TRANSLUCENT SAFETY GLASS



RAYMOND AVE



ARROYO PARKWAY ENTRANCE



DROP-OFF AREA

PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

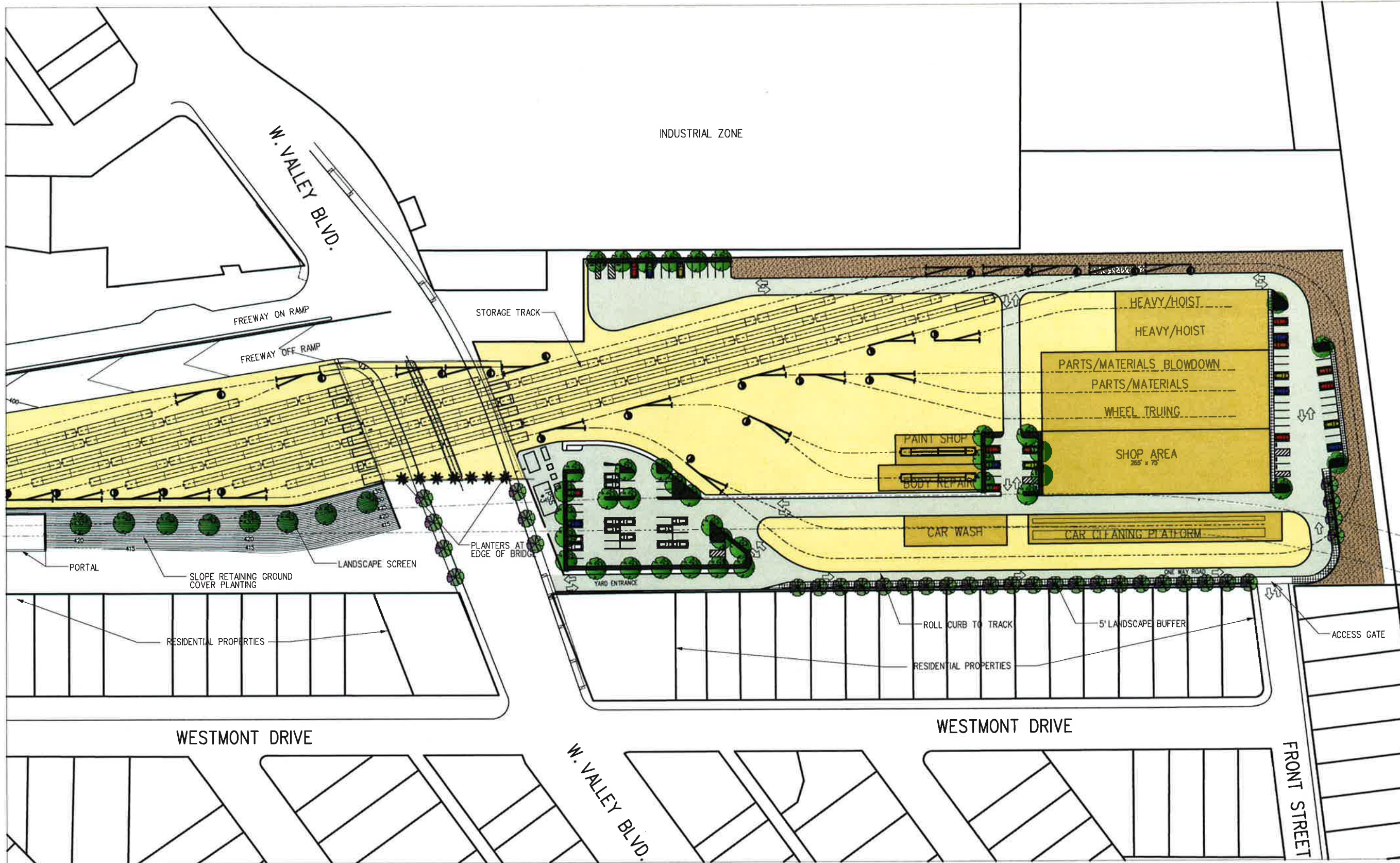
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY K. SRIVONGSE
DRAWN BY M. MARTINEZ
CHECKED BY W. VILLALOBOS
IN CHARGE F. VILLALOBOS
DATE 8/12/13

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
FILLMORE STATION
PLAZA CONCEPT
RENDERING

CONTRACT NO	
DRAWING NO	B6-L-002
SCALE	NOT TO SCALE
SHEET NO	



PRELIMINARY

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
K. SRIVONGSE
DRAWN BY
V. ORTIZ
CHECKED BY
W. VILLALOBOS
IN CHARGE
F. VILLALOBOS
DATE
8/12/13



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

SR 710 NORTH STUDY
ADVANCED CONCEPTUAL DESIGN
TRAIN YARD
LANDSCAPE PLAN

CONTRACT NO	
DRAWING NO	T-L-001
SCALE	NOT TO SCALE
SHEET NO	

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