

Canoga Transportation Corridor

Draft Environmental Impact Report

SCH No. 2007071056

Appendix H

Conceptual Engineering Drawings



Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012

Contact Person:

Walter Davis

March 3, 2008

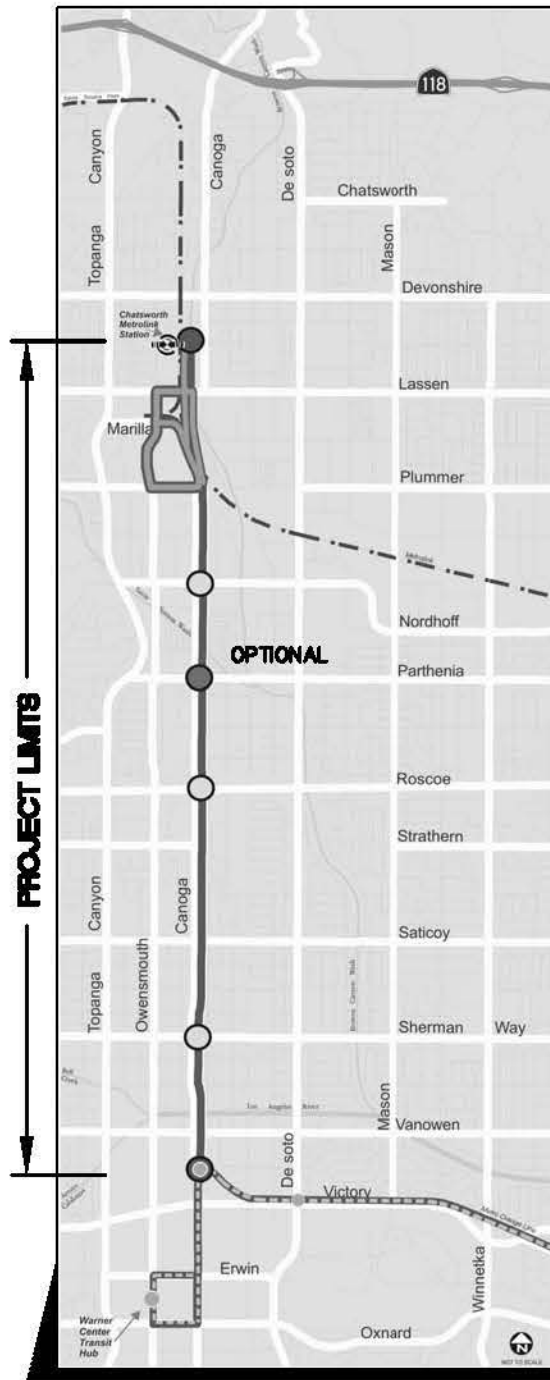


LOS ANGELES COUNTY METROPOLITAN
TRANSPORTATION AUTHORITY

CANOGA TRANSPORTATION CORRIDOR

CONTRACT NO. PS43701952

FEBRUARY 18, 2008



**CONCEPTUAL PLAN
SUBJECT TO CHANGE**

Feb 14, 2008 11:43 AM CAD FILE: H:\2007\07-1443_Norchem_Canoga_Extension - Conceptual\040_Canoga\Canoga_VANOWEN_TITL-E-1009-TOPO_SheetA.dwg

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. BENDISMAN	DATE	02/08
DATE	02/18/08		

LOS ANGELES COUNTY METROPOLITAN
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701 Wilshire Blvd, Suite 2010
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 Fax: (213) 694-6446

CONTRACT NUMBER	PS43701952
DWG. NO.	Q-001
SCALE	
SHEET NO.	OF XX

SHT DWS
NO. NO.

GENERAL

- 0-001 COVER SHEET
- 1 0-002 INDEX
- 2 0-003 EXISTING TOPO AND MTA BOUNDARY - SHEET 1 OF 5
- 3 0-004 EXISTING TOPO AND MTA BOUNDARY - SHEET 2 OF 5
- 4 0-005 EXISTING TOPO AND MTA BOUNDARY - SHEET 3 OF 5
- 5 0-004 EXISTING TOPO AND MTA BOUNDARY - SHEET 4 OF 5
- 6 0-005 EXISTING TOPO AND MTA BOUNDARY - SHEET 5 OF 5
- 7 0-006 RIGHT OF WAY MAP - SHEET 1 OF 4
- 8 0-010 RIGHT OF WAY MAP - SHEET 2 OF 4
- 9 0-011 RIGHT OF WAY MAP - SHEET 3 OF 4
- 10 0-012 RIGHT OF WAY MAP - SHEET 4 OF 4

CIVIL

- 11 0-201 PLAN AND PROFILE - STA 70+00 TO STA 130+00 - SHEET 1 OF 3
- 12 0-202 PLAN AND PROFILE - STA 130+00 TO STA 180+00 - SHEET 2 OF 3
- 13 0-203 PLAN AND PROFILE - STA 180+00 TO STA 240+00 - SHEET 3 OF 3
- 14 0-204 PLAN AND PROFILE - STA 240+00 TO STA 290+00 - SHEET 4 OF 3
- 15 0-205 PLAN AND PROFILE - STA 290+00 TO STA 310+00 - SHEET 5 OF 3
- 16 0-301 CANOGA STATION
- 17 0-302 SHERMAN WAY STATION
- 18 0-303 ROSCOE STATION
- 19 0-304 NORRHOFF STATION
- 20 X-001 TYPICAL SECTIONS - BRIT BUREWAY AND STATION

TRAFFIC SIGNAL PLANS

- 21 TS-001 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT VANOWEN BLVD
- 22 TS-002 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT SHERMAN WAY
- 23 TS-003 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT VALENO ST
- 24 TS-004 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT SATCOY ST
- 25 TS-005 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT ROSCOE BLVD
- 26 TS-006 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT PARTHENA ST
- 27 TS-007 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - CANOGA AVE AT NORRHOFF ST
- 28 TS-008 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - FLUMMER ST AT BUSWAY (OPTION 1)
- 29 TS-009 ON-STREET ALTERNATIVE CONCEPTUAL SIGNAL PLAN - MARILLA ST AT BUSWAY (OPTION 2)
- 30 TS-010 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - LASSEN AVE AT BUSWAY (OPTION 3)
- 31 TS-011 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - LASSEN AVE AT BUSWAY (OPTION 3)
- 32 TS-012 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - LASSEN AVE AT BUSWAY (OPTION 4)
- 33 TS-013 BUSWAY ALTERNATIVE CONCEPTUAL SIGNAL PLAN - LASSEN AVE AT BUSWAY (OPTION 4a)

SHT DWS
NO. NO.

URBAN DESIGN

CANOGA BUSWAY ALTERNATIVE

- 34 UD-001 TYPICAL CROSS-SECTIONS
- 35 UD-002 CROSS-SECTIONS ADJACENT TO COMMERCIAL/INDUSTRIAL USES
- 36 UD-003 TYPICAL CROSS-SECTIONS AT STATIONS
- 37 UD-004 CANOGA STATION
- 38 UD-005 SHERMAN WAY STATION
- 39 UD-006 ROSCOE STATION
- 40 UD-007 CANOGA BUSWAY/ON-STREET - CHATSWORTH METROLINK STATION OPTION A AND B
- 41 UD-008 CANOGA BUSWAY/ON-STREET - CHATSWORTH METROLINK STATION OPTION C AND D

CANOGA ON-STREET DEDICATED BUS LANES ALTERNATIVE

- 42 UD-009 TYPICAL CROSS-SECTIONS
- 43 UD-010 CANOGA STATION
- 44 UD-011 SHERMAN WAY STATION

BRIDGE

- 45 S-001 SANTA SUSANA WASH - BIK CULVERT
- 46 S-002 LOS ANGELES RIVER BRIDGE

OPERATION AND MAINTENANCE FACILITIES

- 47 OM - 001 OPERATION AND MAINTENANCE FACILITIES - BUS PARKING LOT LAYOUT
- 48 OM - 002 MAINTENANCE EXPANSION FOR 65 FOOT BUSES - SWE PLAN

SHT DWS
NO. NO.

SIGNING AND STRIPING

- 49 SS-001 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - CANOGA STATION TO BARRETT ST
- 50 SS-002 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - BARRETT ST TO WASHINGTON ST
- 51 SS-003 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - WASHINGTON ST TO KENWICK ST
- 52 SS-004 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - KENWICK ST TO STRATHERN ST
- 53 SS-005 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - STRATHERN ST TO CHASE ST
- 54 SS-006 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - CHASE ST TO PARTHENA ST
- 55 SS-007 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - PARTHENA ST TO NORRHOFF ST
- 56 SS-008 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - NORRHOFF ST TO FLUMMER ST
- 57 SS-009 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN CANOGA AVENUE - FLUMMER ST TO MARILLA ST
- 58 SS-010 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN MARILLA ST/OWENSMOUTH AVE - CANOGA AVE TO LASSEN ST
- 59 SS-011 ON-STREET BUS ALTERNATIVE - CONCEPTUAL STRIPING PLAN LASSEN ST - OWENSMOUTH AVE TO OLD DEPOT RD

Feb 15, 2008 11:00 AM CADD FILE: \\A:\2007\07-1643_Northern_Canoga_Extension - Orange\cadd\Conceptual Drawings\CANOGA_TITLE_INDEX-TOPO_Sheets.dwg

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATIERRA	02/08
DRAWN BY	DATE
L. SALVATIERRA	02/08
CHECKED	DATE
K. DENDEBAH	02/08
DATE	02/18/08

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS 707 Wilshire Blvd, Suite 4010
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Fax: (213) 480-0440

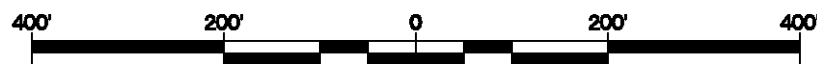
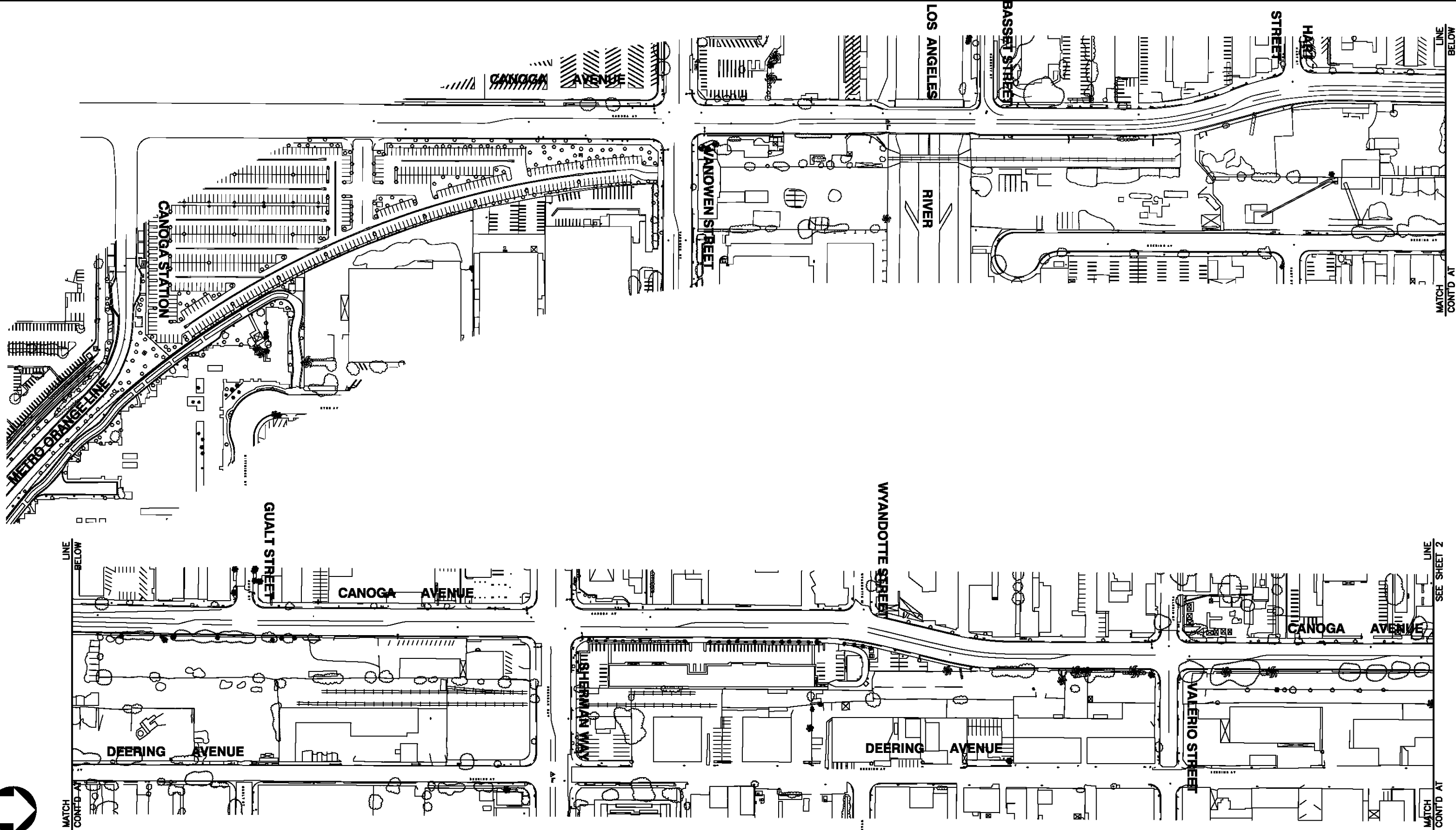
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DWG. NO.: **G-002** REV.:

SCALE: **[REDACTED]**

SHEET NO. OF **XX**

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REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
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DATE	02/18/08		


Metro
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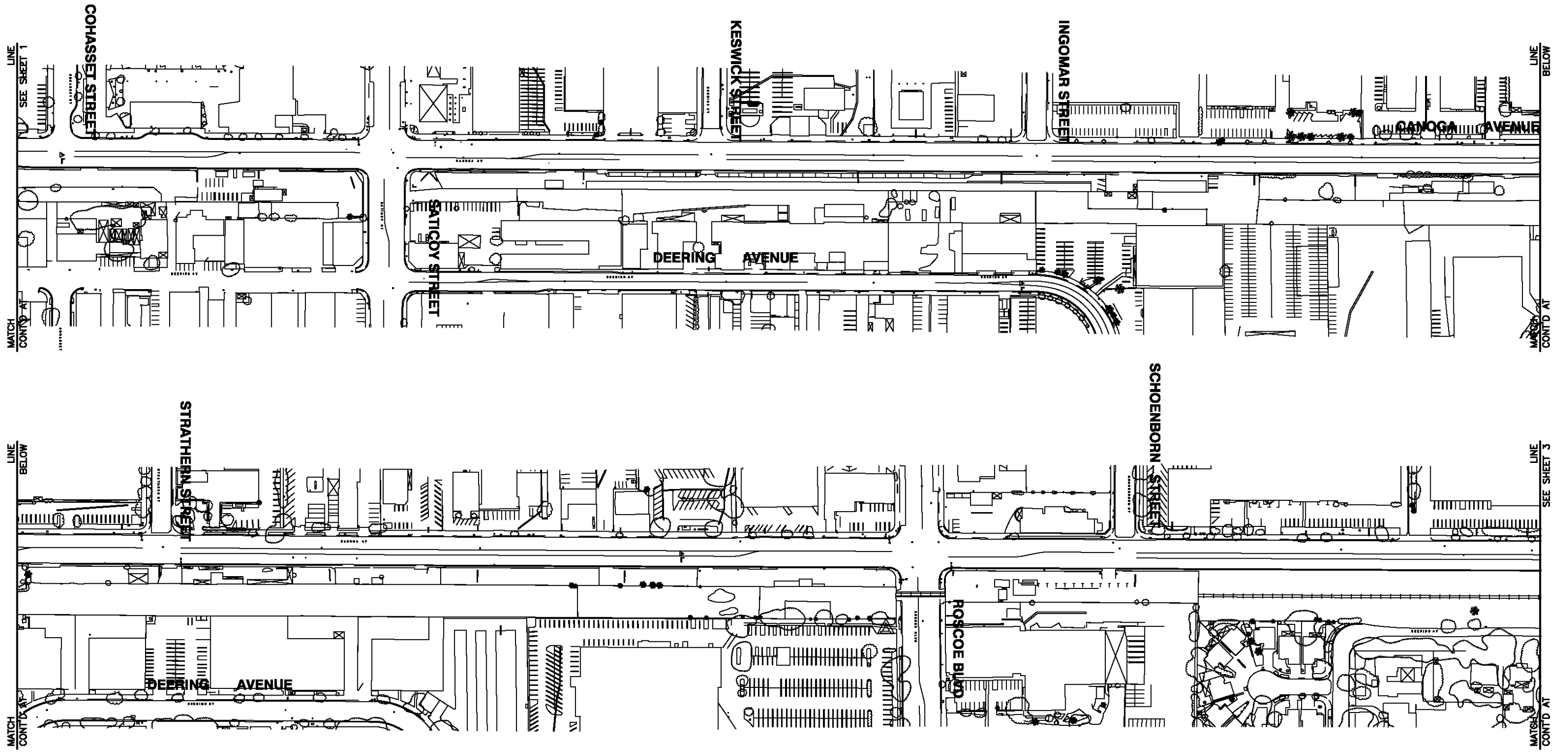

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CANOGA TRANSPORTATION CORRIDOR
 EXISTING TOPO SURVEY

SHEET 1 OF 5

CONTRACT NUMBER	PS43701952
DWG. NO.	G-003
SCALE	1" = 200'
SHEET NO.	OF XX

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REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. DENENBAH	DATE	02/08
DATE	02/18/08		

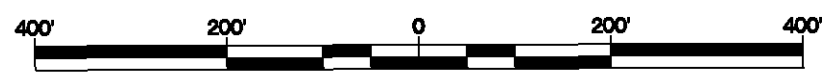
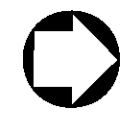
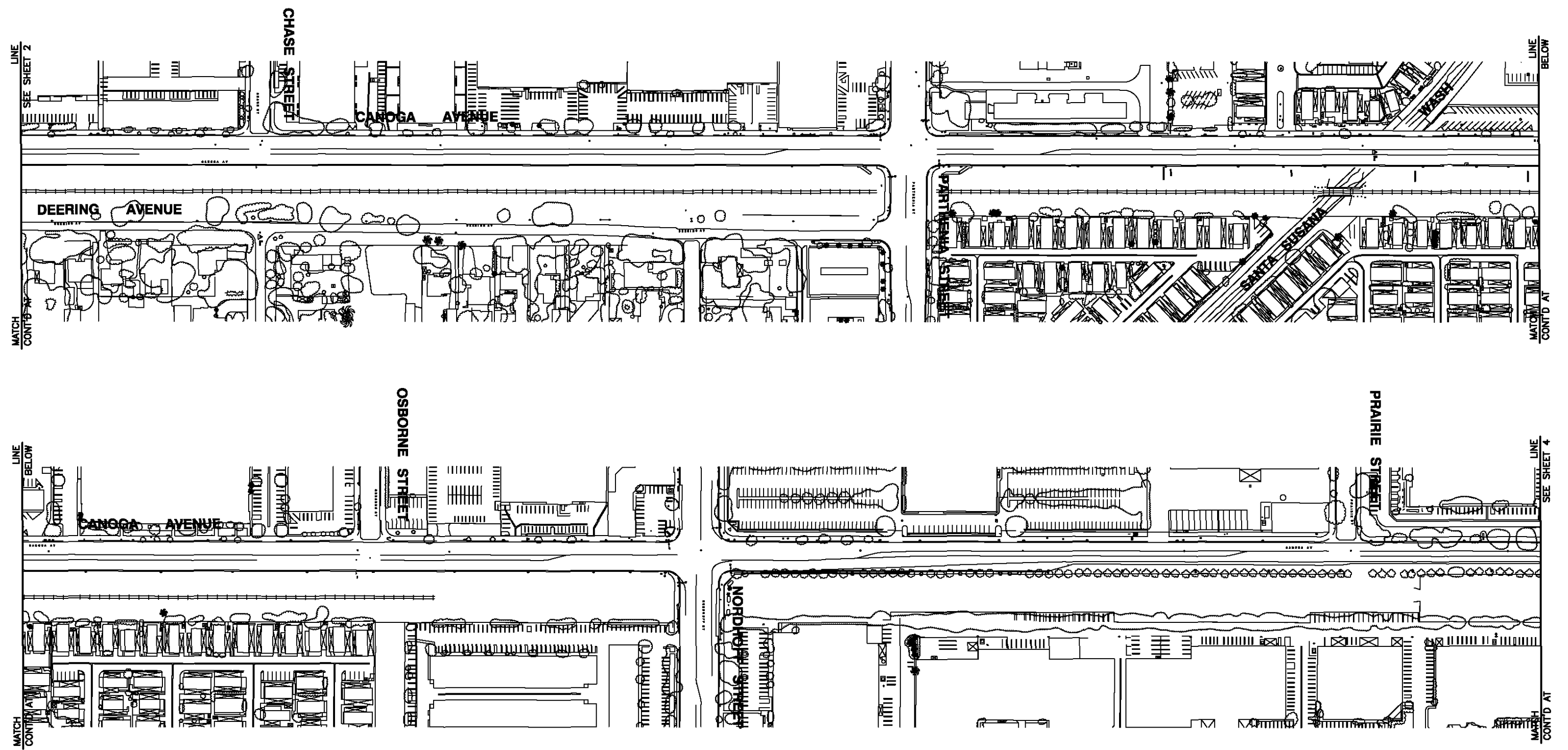
LOS ANGELES COUNTY METROPOLITAN
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CANOGA TRANSPORTATION CORRIDOR
EXISTING TOPO SURVEY

CONTRACT NUMBER: P943701952
DWG. NO.: G-004
SCALE: 1" = 200'
SHEET NO.: OF XX

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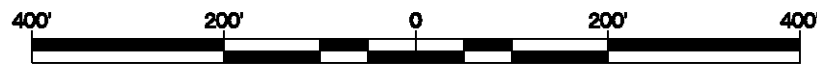
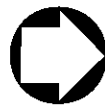
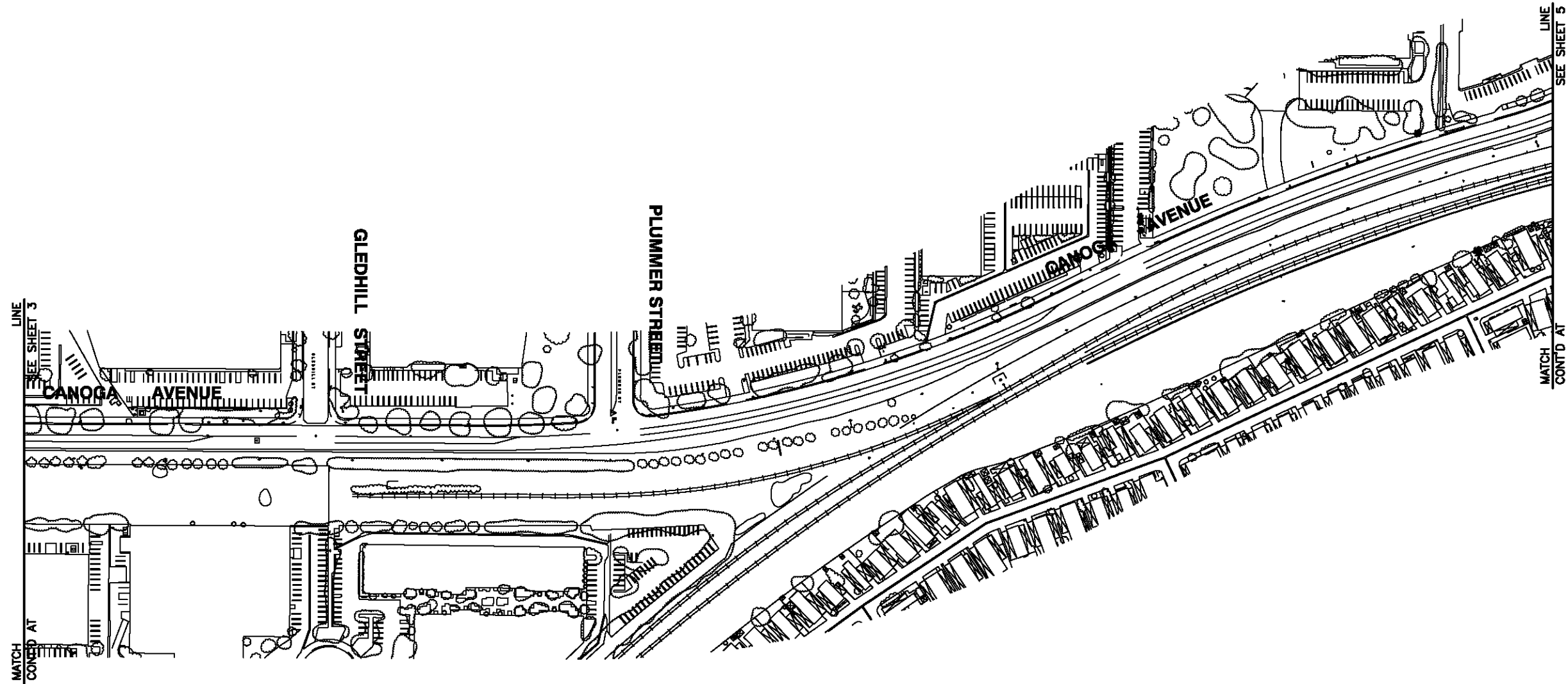
DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE			02/18/08


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CANOGA TRANSPORTATION CORRIDOR
EXISTING TOPO SURVEY
 SHEET 3 OF 5

CONTRACT NUMBER	PS43701952
DWG. NO.	G-005
SCALE	1" = 200'
SHEET NO.	OF XX



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REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. DENDEBAH	DATE	02/08
DATE			02/18/08


Metro
 LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY

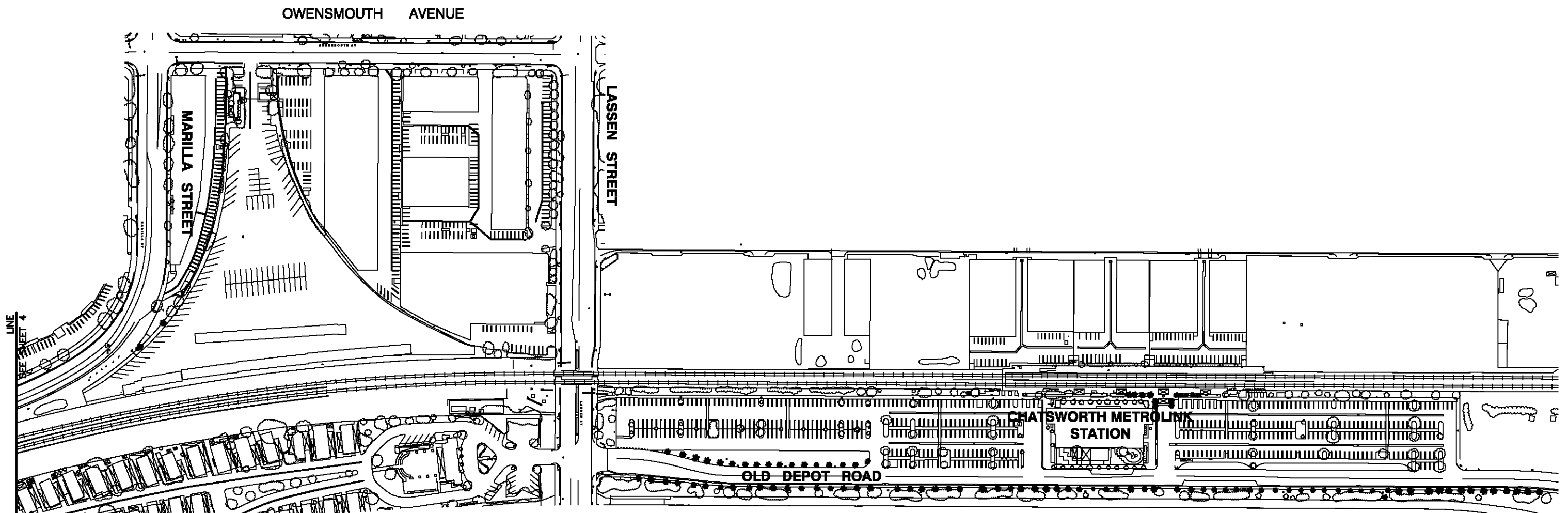

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CANOGA TRANSPORTATION CORRIDOR
 EXISTING TOPO SURVEY

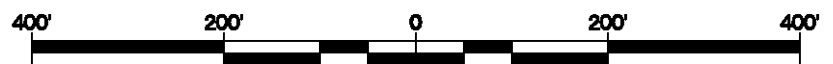
SHEET 4 OF 5

CONTRACT NUMBER	PS43701952
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SCALE	1" = 200'
SHEET NO.	___ OF XX

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MATCH CONT'D FROM SHEET 4



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. DENDEBAH	DATE	02/08
DATE	02/18/08		


Metro
 LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY

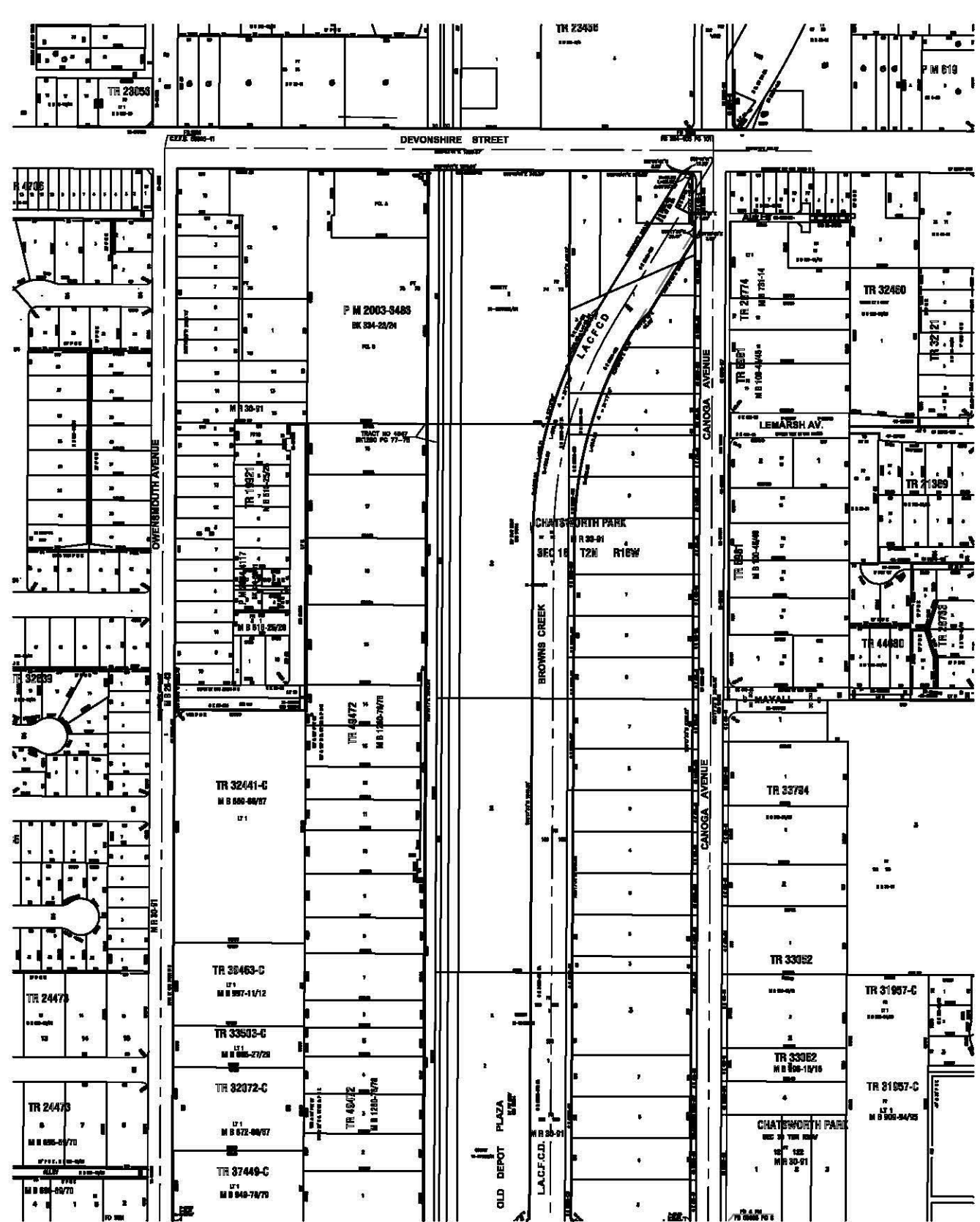

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CANOGA TRANSPORTATION CORRIDOR
 EXISTING TOPO SURVEY

SHEET 5 OF 5

CONTRACT NUMBER	P943701952
DWG. NO.	G-007
SCALE	1" = 200'
SHEET NO.	OF XX

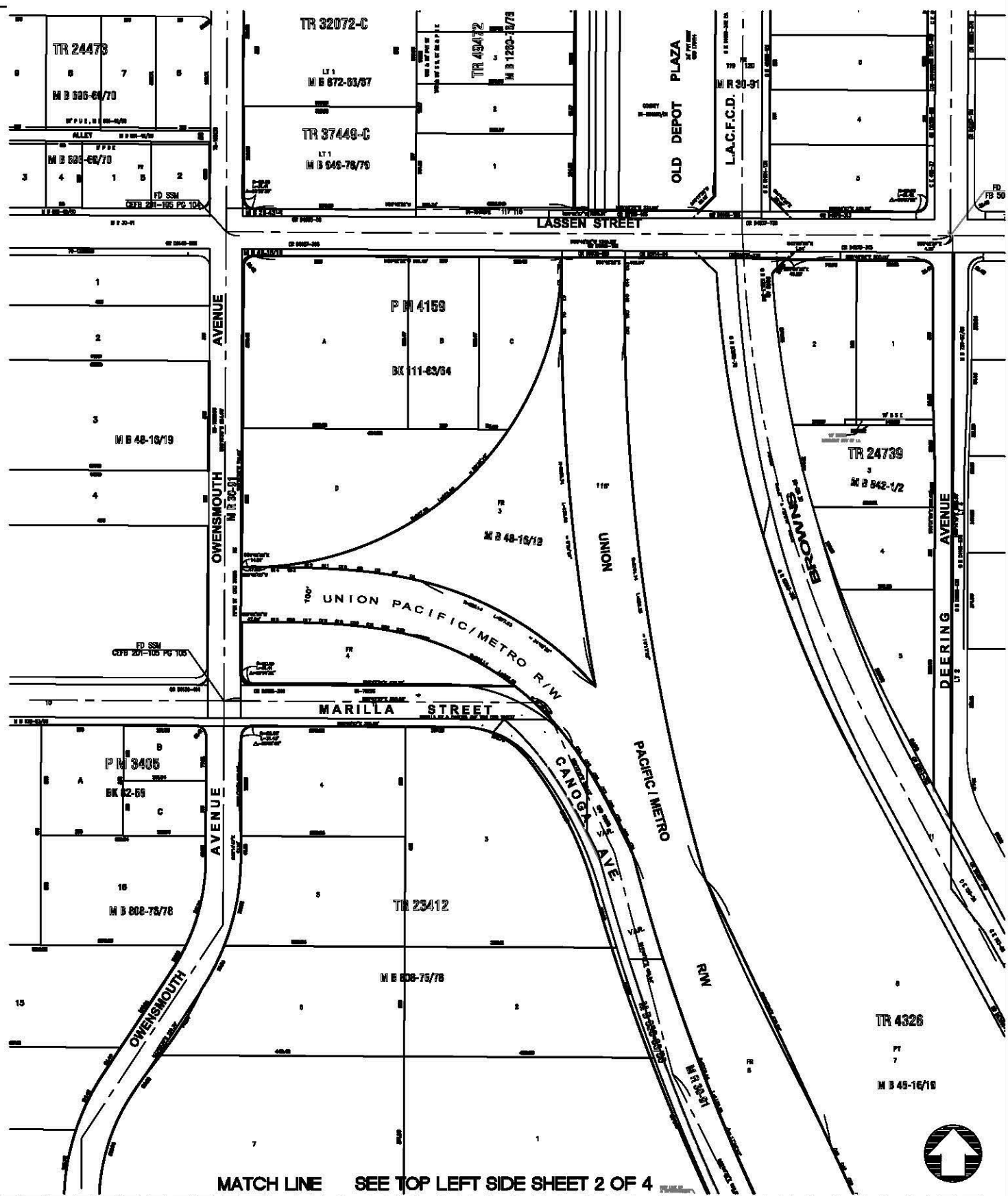
Feb 13, 2008 10:00 AM CADD FILE: \\WMS\Land Projects 2005\Project\1840-010_Orange Line\dwg\FINAL\1x17_080212 Devonshire_Sherman-way.dwg



CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C1	30.18	22968.33	0°04'31"
C2	30.13	11509.17	0°09'00"
C3	30.20	7688.40	0°13'30"
C4	30.26	5779.61	0°18'00"
C5	30.33	4633.70	0°22'30"
C6	32.36	686.78	2°42'00"
C7	32.10	766.34	2°24'00"
C8	31.84	866.64	2°06'00"
C9	31.57	1005.04	1°48'00"
C10	31.31	1196.01	1°30'00"
C12	30.80	1960.91	0°54'00"
C13	30.53	2914.94	0°36'00"
C14	30.26	5779.61	0°18'00"
C15	29.74	5679.61	0°18'00"
C16	29.48	2814.94	0°36'00"
C17	29.23	1860.91	0°54'00"
C18	28.95	1382.47	1°12'00"
C19	28.69	1096.01	1°30'00"
C20	28.43	905.04	1°48'00"
C21	28.17	766.34	2°06'00"
C22	27.91	666.34	2°24'00"
C23	27.65	586.78	2°42'00"
C24	27.91	666.34	2°24'00"
C25	28.17	766.34	2°06'00"
C26	28.43	905.04	1°48'00"
C27	28.69	1096.01	1°30'00"
C28	28.95	1382.47	1°12'00"
C29	29.22	1859.91	0°54'00"
C30	29.48	2814.94	0°36'00"
C31	26.32	5679.61	0°15'56"
C32	29.28	2033.68	0°49'30"
C33	29.35	2241.88	0°45'00"
C34	29.41	2496.84	0°40'30"
C35	29.47	2814.24	0°36'00"
C36	29.54	3224.17	0°31'30"
C37	29.61	3769.74	0°27'00"
C38	29.67	4533.26	0°22'30"
C39	29.74	5679.61	0°18'00"
C40	29.80	7589.49	0°13'30"
C41	29.87	11409.17	0°09'00"
C42	29.93	22862.33	0°04'30"
C43	29.91	22853.33	0°04'30"
C44	29.83	11394.17	0°09'00"
C45	29.74	7574.40	0°13'30"
C46	29.66	5664.61	0°18'00"
C47	29.57	4518.70	0°22'30"
C48	30.00	22918.33	0°04'30"
C49	30.00	11459.17	0°09'00"
C50	30.00	7638.49	0°13'30"
C51	30.00	5729.61	0°18'00"
C52	30.00	4583.70	0°22'30"
C53	30.00	3819.74	0°27'00"
C54	30.00	3274.17	0°31'30"
C55	30.00	2864.84	0°36'00"
C56	30.00	2546.84	0°40'30"
C57	30.00	2291.88	0°45'00"
C58	30.00	2083.68	0°49'30"
C59	134.71	1959.91	3°56'17"

IDENTICAL



MATCH LINE
 RIGHT OF WAY HAS BEEN ESTABLISHED PER FOUND MONUMENTS AND RECORD MAPS.
 NO TITLE DOCUMENTS, LEASE DESCRIPTIONS OR STREET EASEMENTS WERE PROVIDED
 FOR THIS PHASE.

MATCH LINE SEE TOP LEFT SIDE SHEET 2 OF 4

CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED C.A.	DATE 09/02/08
DRAWN BY D.K.	DATE 02/12/08
CHECKED S.A.W.	DATE 02/13/08
DATE 02/13/08	

Metro Metropolitan Transportation Authority

ITERIS

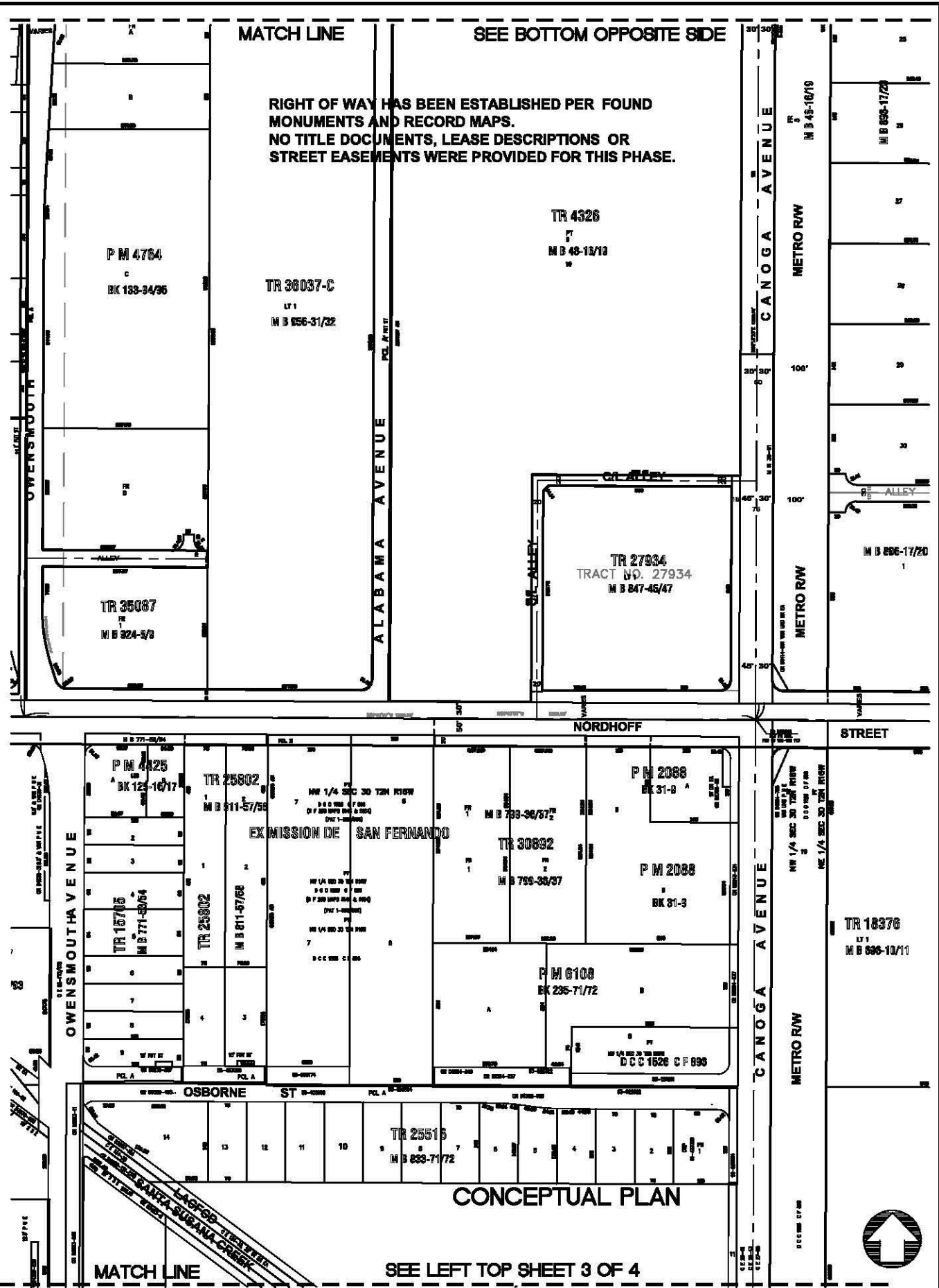
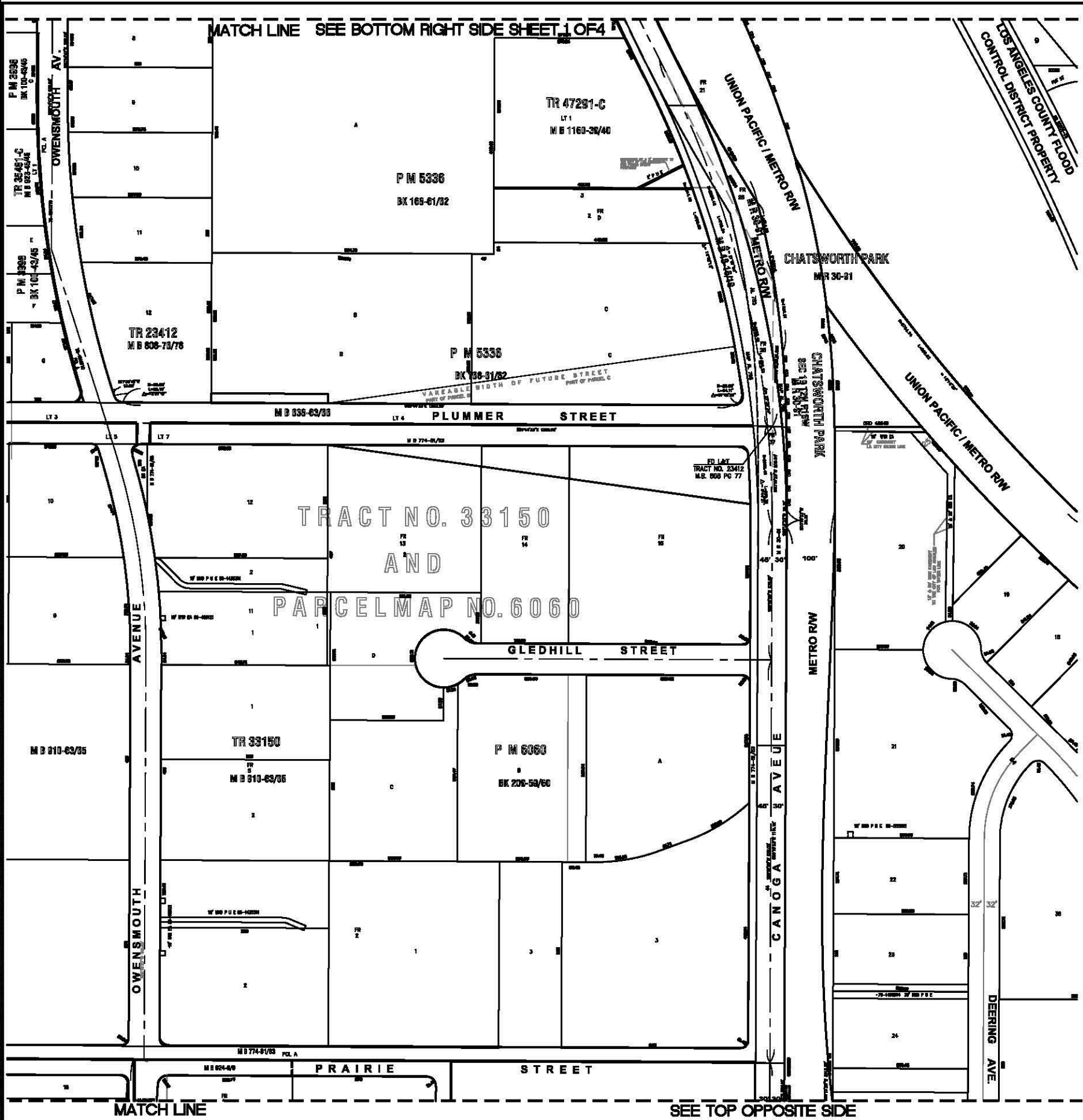
707 Wilshire Blvd, Suite 4010
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 Phone: (213) 488-0265
 Fax: (213) 488-0440

WAGNER ENGINEERING & SURVEY, INC.
 8000 WILSHIRE STREET SUITE 600 BERKELEY, CA 94704-4002
 TEL: 948-402-0200 FAX: 948-402-0111

CANOGA TRANSPORTATION CORRIDOR
 RIGHT OF WAY MAP
 SHEET 1 OF 4

CONTRACT NUMBER PS43701952
DWG. NO. G-009
SCALE 1" = 120'
SHEET NO. 1 OF 4

Feb 13, 2008 ML CAD FILE: \\wsl\land_projects\2005\project\1840-010_Orange_Line\dwg\FINAL\11x17_080212_Devonshire_Sherman-rw.dwg



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED C.A.	DATE 06/02/06
DRAWN BY D.K.	DATE 02/12/06
CHECKED S.A.W.	DATE 02/13/06
DATE 02/13/06	

 Metro Metropolitan Transportation Authority

707 Wilshire Blvd, Suite 4910
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 8833 WILSHIRE STREET SUITE 500 WILSHIRE, CA 91341-0002
 TEL 661-462-4900 FAX 661-462-9811

CANOGA TRANSPORTATION CORRIDOR
RIGHT OF WAY MAP
SHEET 2 OF 4

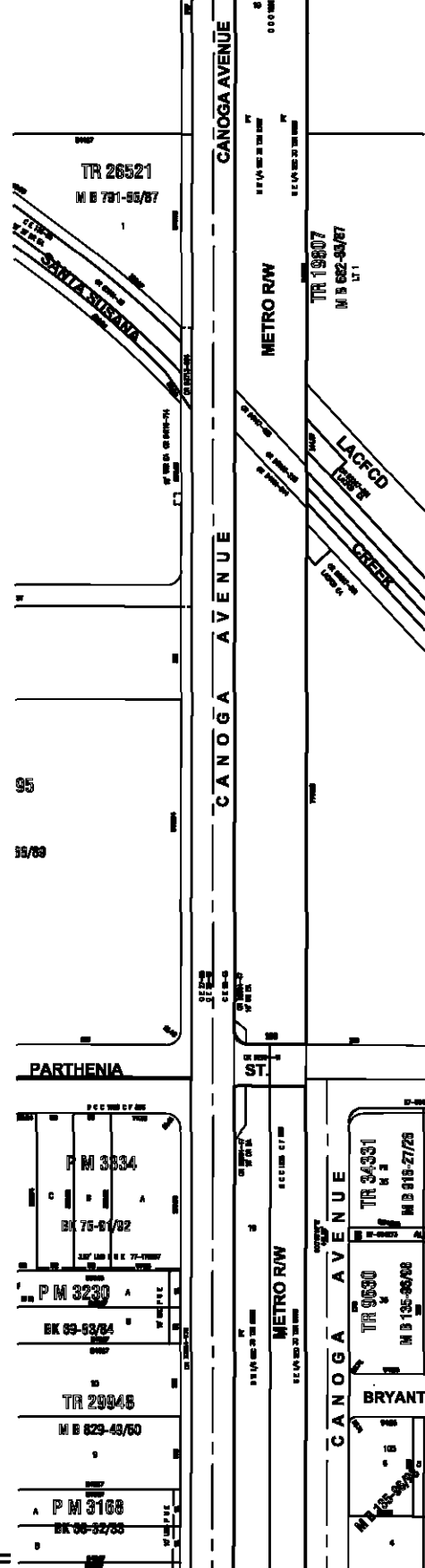
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DWG. NO.	G-010
SCALE	1" = 120'
SHEET NO.	2 OF 4

MATCH LINE SEE BOTTOM RIGHT SHEET 2 OF 4

MATCH LINE

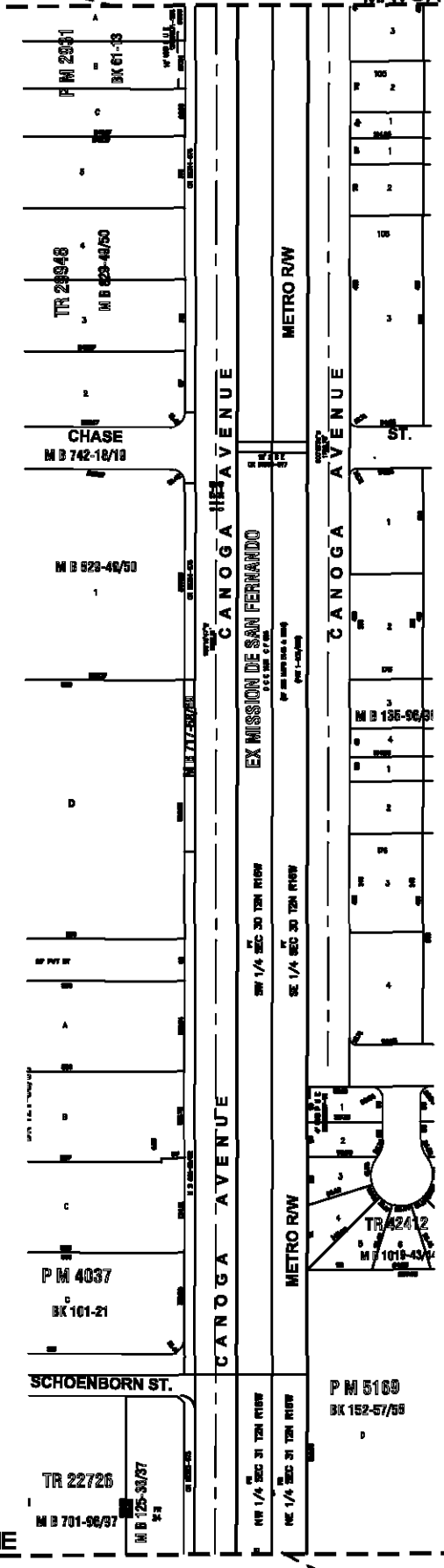
MATCH LINE

MATCH LINE



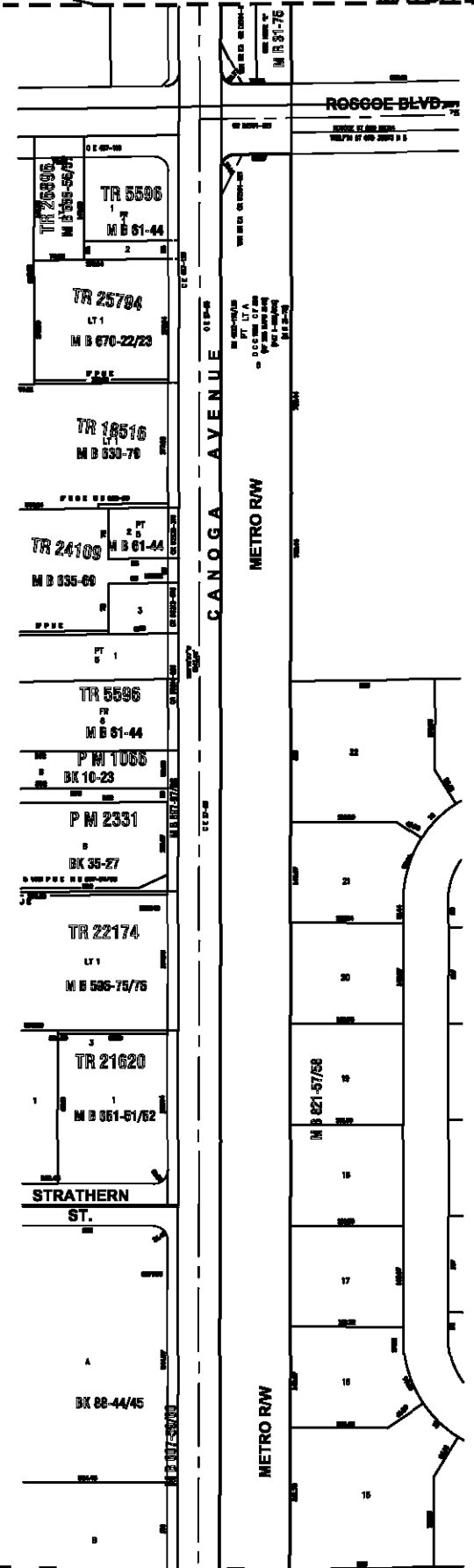
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MATCH LINE



IDENTICAL

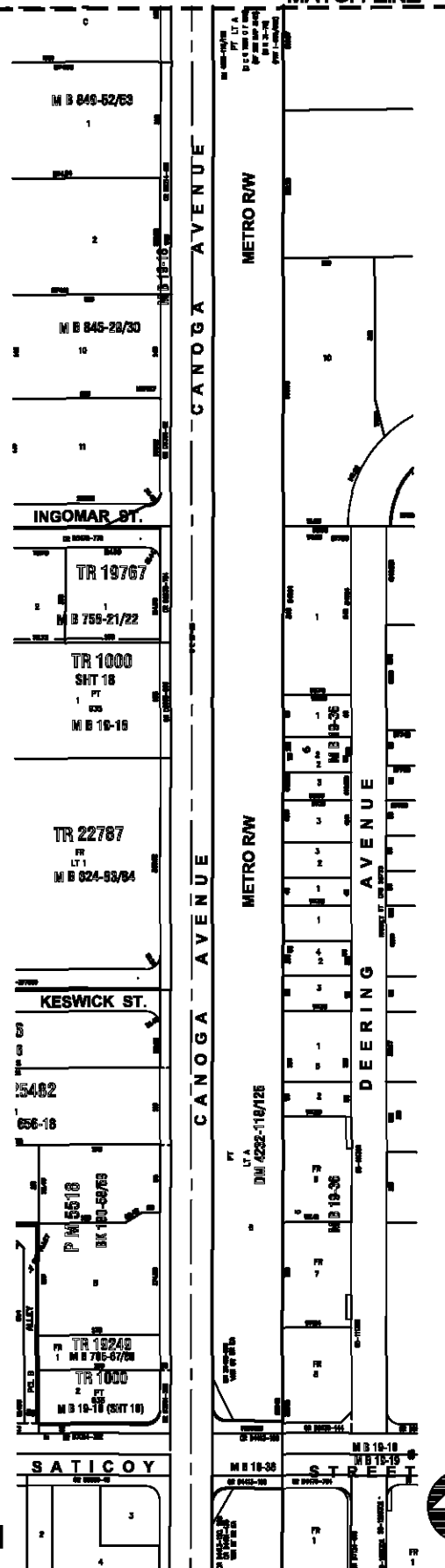
MATCH LINE



IDENTICAL

CONCEPTUAL PLAN

MATCH LINE



SEE LEFT TOP SHEET 4 OF 4

RIGHT OF WAY HAS BEEN ESTABLISHED PER PUBLIC WEB SITE INFORMATION (NAVIGATELA).
 NO TITLE DOCUMENTS, LEASE DESCRIPTIONS OR STREET EASEMENTS WERE PROVIDED FOR THIS PHASE.

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED C.A.	DATE 08/02/08
DRAWN BY D.K.	DATE 02/12/08
CHECKED S.A.W.	DATE 02/13/08
DATE 02/13/08	

Metro Metropolitan Transportation Authority

707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3999
 Phone: (213) 488-6246
 Fax: (213) 488-6440

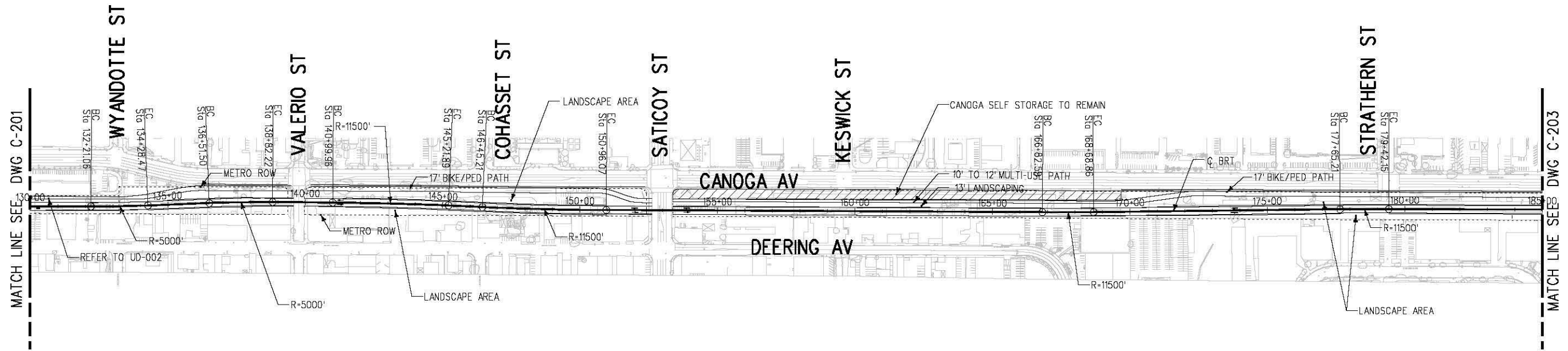
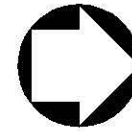
WAGNER
 ENGINEERING &
 SURVEY, INC.
 10000 Wilshire Blvd, Suite 1000
 Beverly Hills, CA 90210
 Phone: (310) 276-1111

CANOGA TRANSPORTATION CORRIDOR
 RIGHT OF WAY MAP
 SHEET 3 OF 4

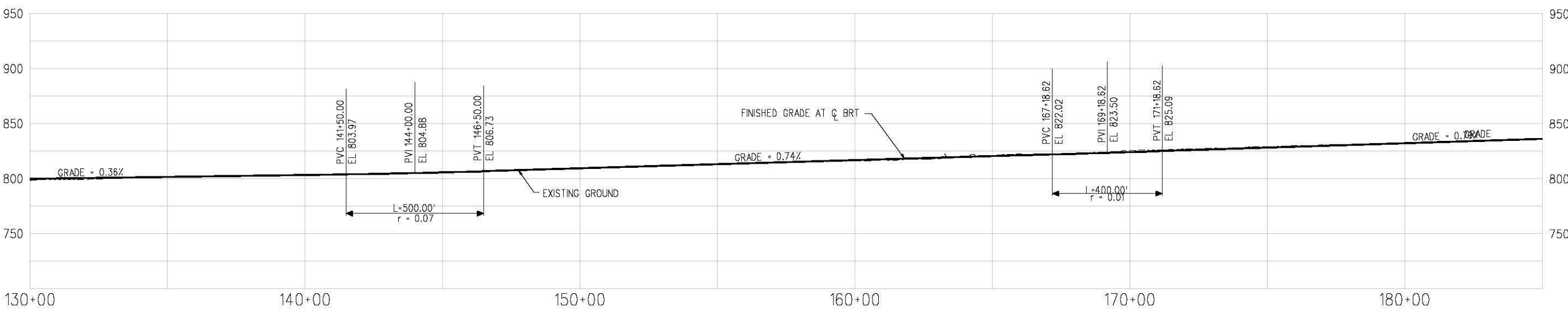
CONTRACT NUMBER PS43701952
DWG. NO. G-011
SCALE 1" = 120'
SHEET NO. 3 OF 4



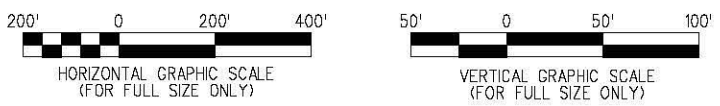
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PLAN



PROFILE



CONCEPTUAL PLAN OF BUSWAY - ALTERNATIVE 4

REV.	DATE	BY	APP.	DESCRIPTION

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DRAWN BY	JS	DATE	02/12/08
CHECKED	LM	DATE	02/13/08
DATE			02/18/08

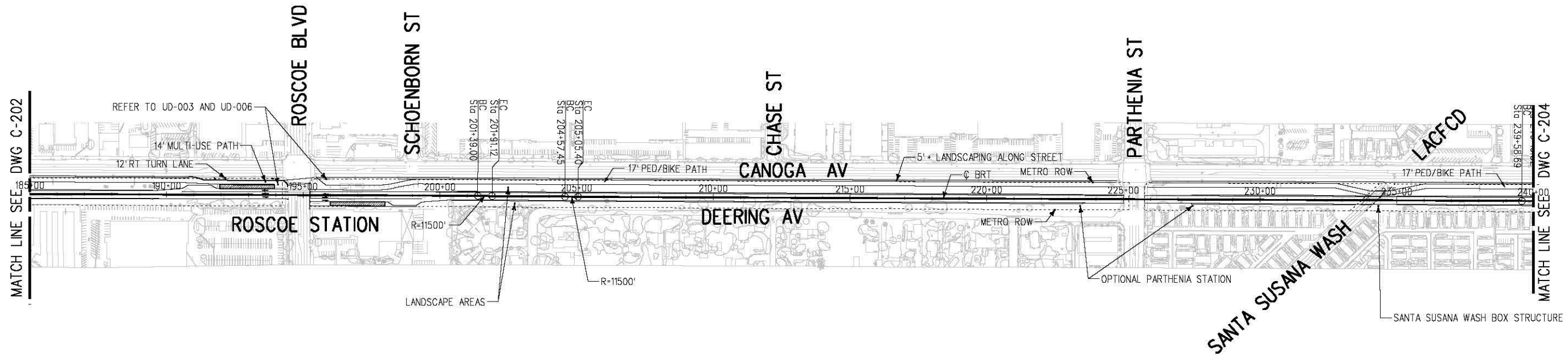
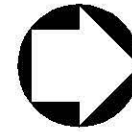
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SHEET NO.	

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

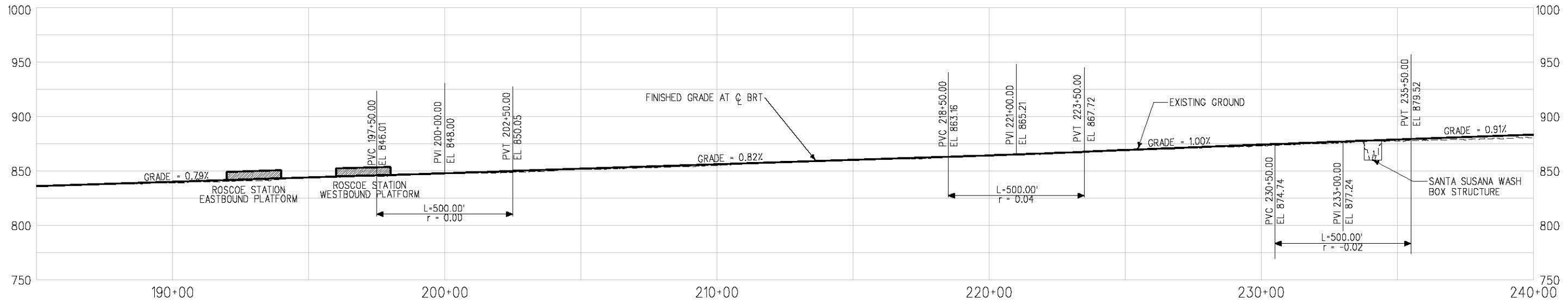
ITERIS 257 Wilshire Blvd, Suite 4000 Los Angeles, CA 90017-3910 Phone: (213) 488-0300 Fax: (213) 488-0400

DMJM HARRIS | AECOM 615 SOUTH FLOWER STREET LOS ANGELES, CALIFORNIA 90017 TEL (213) 593-8200 FAX (213) 593-8822

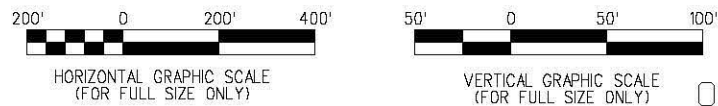
PLAN & PROFILE
STA 130+00 TO STA 180+50
SHEET 2 OF 5



PLAN



PROFILE



CONCEPTUAL PLAN OF BUSWAY - ALTERNATIVE 4

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REV	DATE	BY	APP.	DESCRIPTION

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DRAWN BY	JS	DATE	02/12/08
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DATE			02/18/08

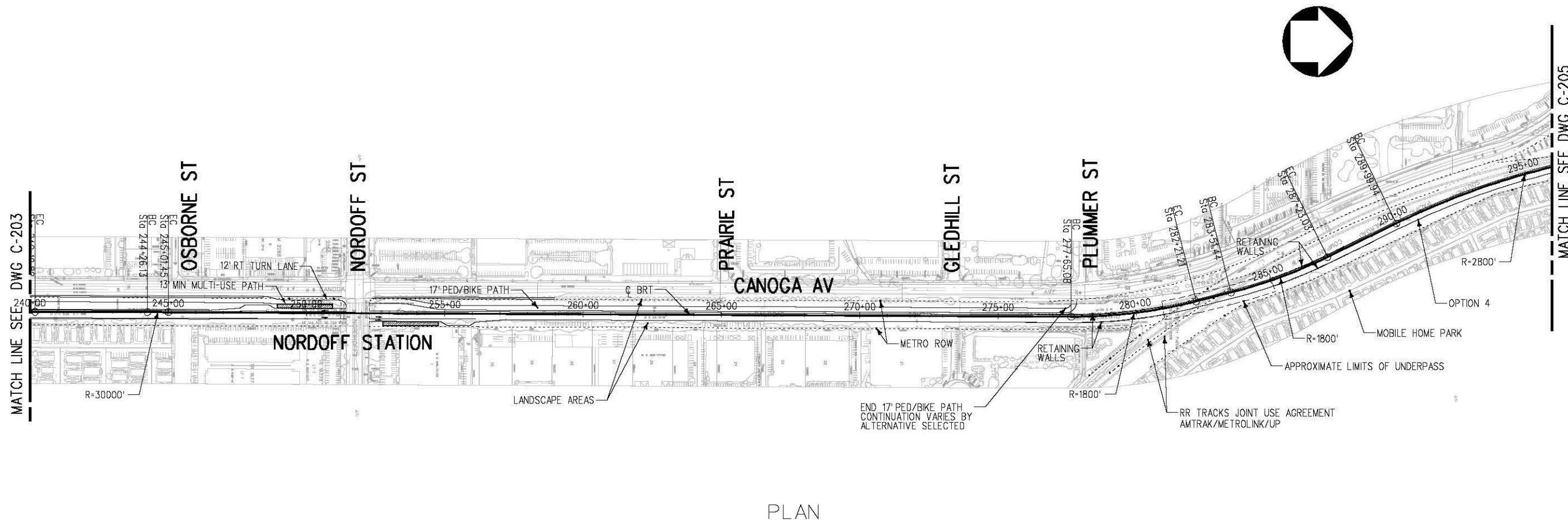
	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
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257 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 400-4300
 Fax: (213) 496-6400

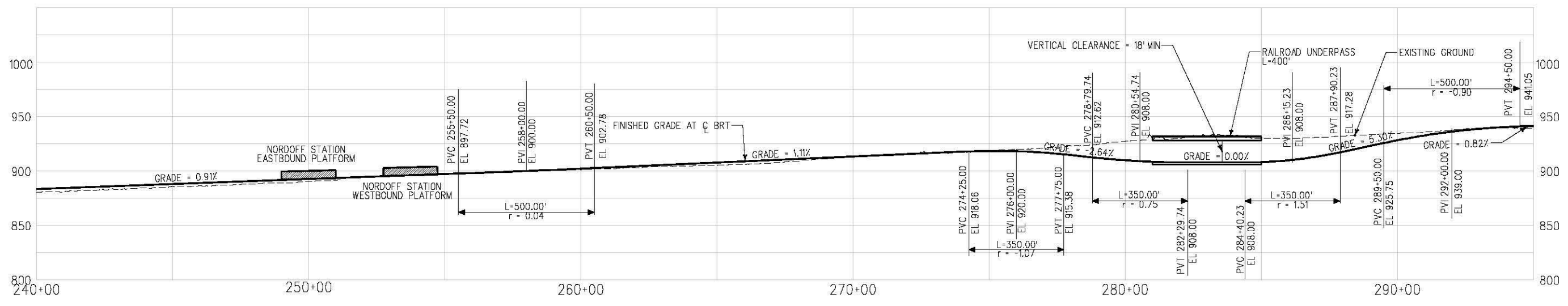
DMJM HARRIS | AECOM
 615 SOUTH FLOWER STREET
 LOS ANGELES, CALIFORNIA 90017
 TEL (213) 593-8200
 FAX (213) 593-8822

CANOGA TRANSPORTATION CORRIDOR
PLAN & PROFILE
 STA 180+50 TO STA 240+00
 SHEET 3 OF 5

CONTRACT NUMBER	PS43701952
DWG. NO.	C-203
SCALE	HORIZ. 1"=200' VERT. 1"=50'
SHEET NO.	



PLAN



PROFILE



CONCEPTUAL PLAN OF BUSWAY - ALTERNATIVE 4

REV	DATE	BY	APP.	DESCRIPTION

DESIGNED	JS	DATE	02/12/08
DRAWN BY	JS	DATE	02/12/08
CHECKED	LM	DATE	02/13/08
DATE	02/18/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

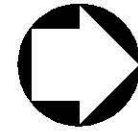
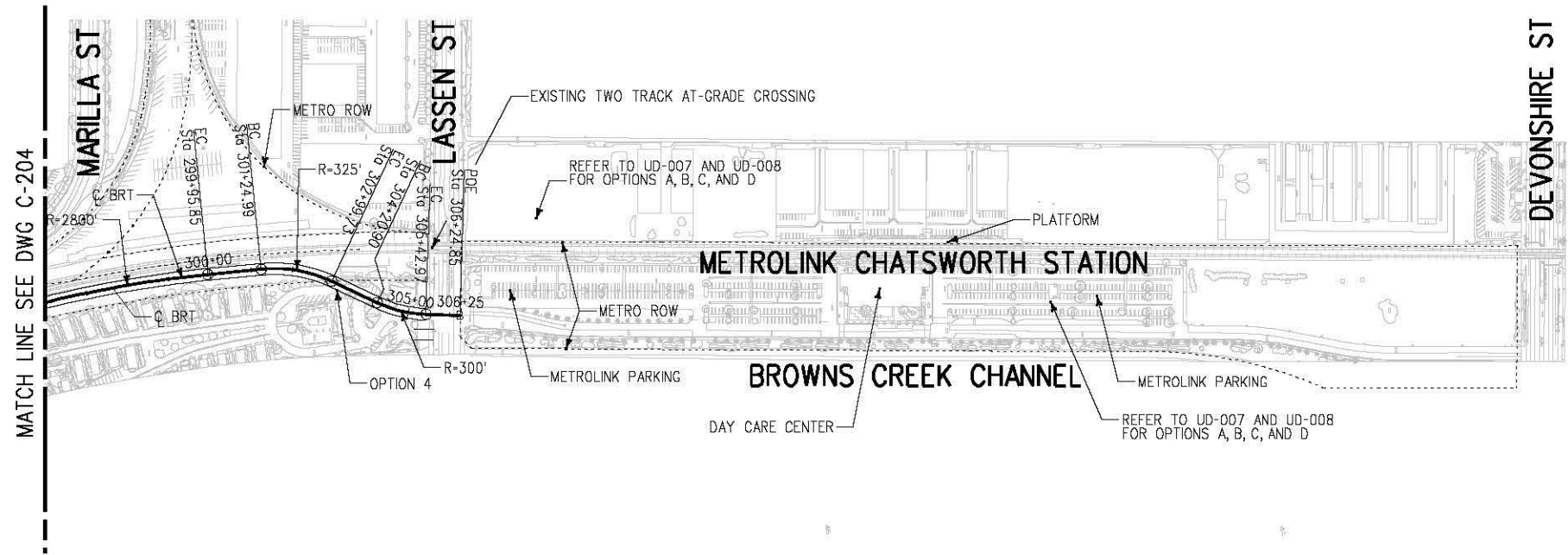
ITERIS 257 Wilshire Blvd, Suite 4000 Los Angeles, CA 90017-3910 Phone: (213) 400-4300 Fax: (213) 498-5400

DMJM HARRIS | AECOM 615 SOUTH FLOWER STREET LOS ANGELES, CALIFORNIA 90017 TEL (213) 593-8200 FAX (213) 593-8822

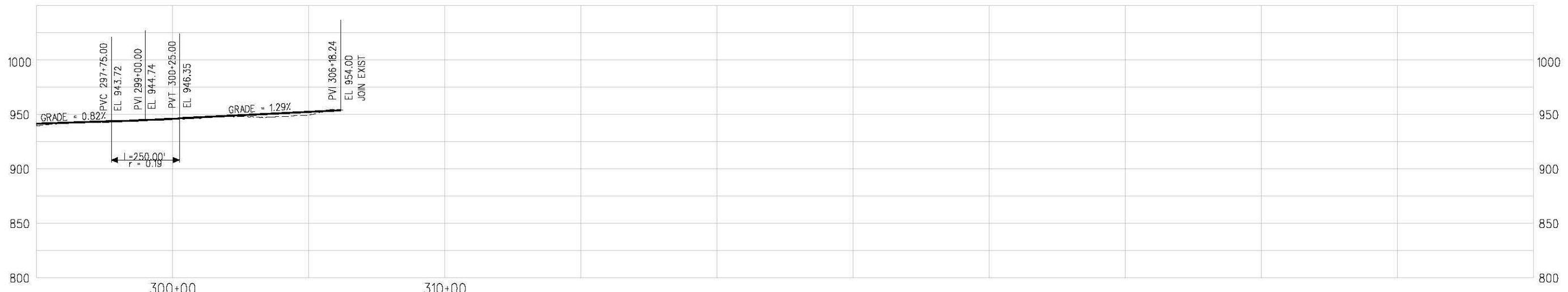
CANOGA TRANSPORTATION CORRIDOR

PLAN & PROFILE
STA 240+50 TO STA 290+50
SHEET 4 OF 5

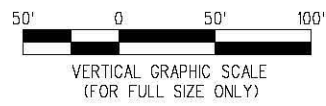
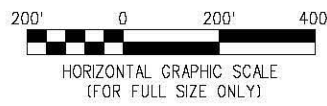
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PLAN



PROFILE



CONCEPTUAL PLAN
OF BUSWAY - ALTERNATIVE 4

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	JS	DATE	02/12/08
DRAWN BY	JS	DATE	02/12/08
CHECKED	LM	DATE	02/13/08
DATE	02/18/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

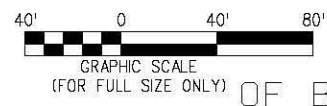
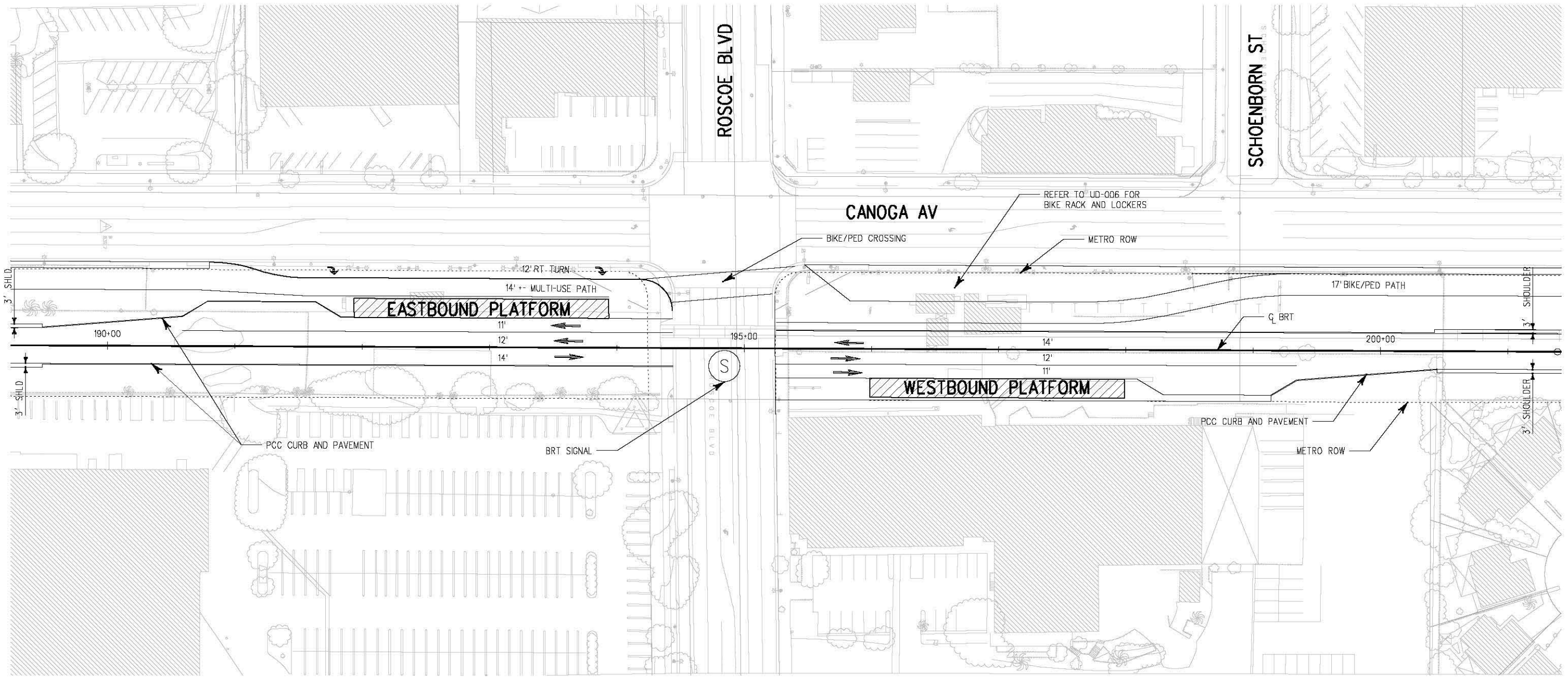
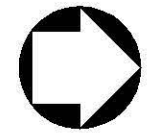
ITERIS 257 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-3910
Phone: (213) 400-0300
Fax: (213) 496-0400

DMJM HARRIS | AECOM 615 SOUTH FLOWER STREET
LOS ANGELES, CALIFORNIA 90017
TEL (213) 593-8200
FAX (213) 593-8822

CANOGA TRANSPORTATION CORRIDOR

PLAN & PROFILE
STA 290+50 TO STA 310+00
SHEET 5 OF 5

CONTRACT NUMBER: PS43701952
DWG. NO.: C-205
SCALE: HORIZ. 1"=200'
VERT. 1"=50'



CONCEPTUAL PLAN
OF BUSWAY - ALTERNATIVE 4

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	JS	DATE	02/12/08
DRAWN BY	JS	DATE	02/12/08
CHECKED	LM	DATE	02/13/08
DATE			02/18/08

M Metro
LOS ANGELES COUNTY METROPOLITAN
TRANSPORTATION AUTHORITY

ITERIS
257 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-3910
Phone: (213) 488-4300
Fax: (213) 488-5400

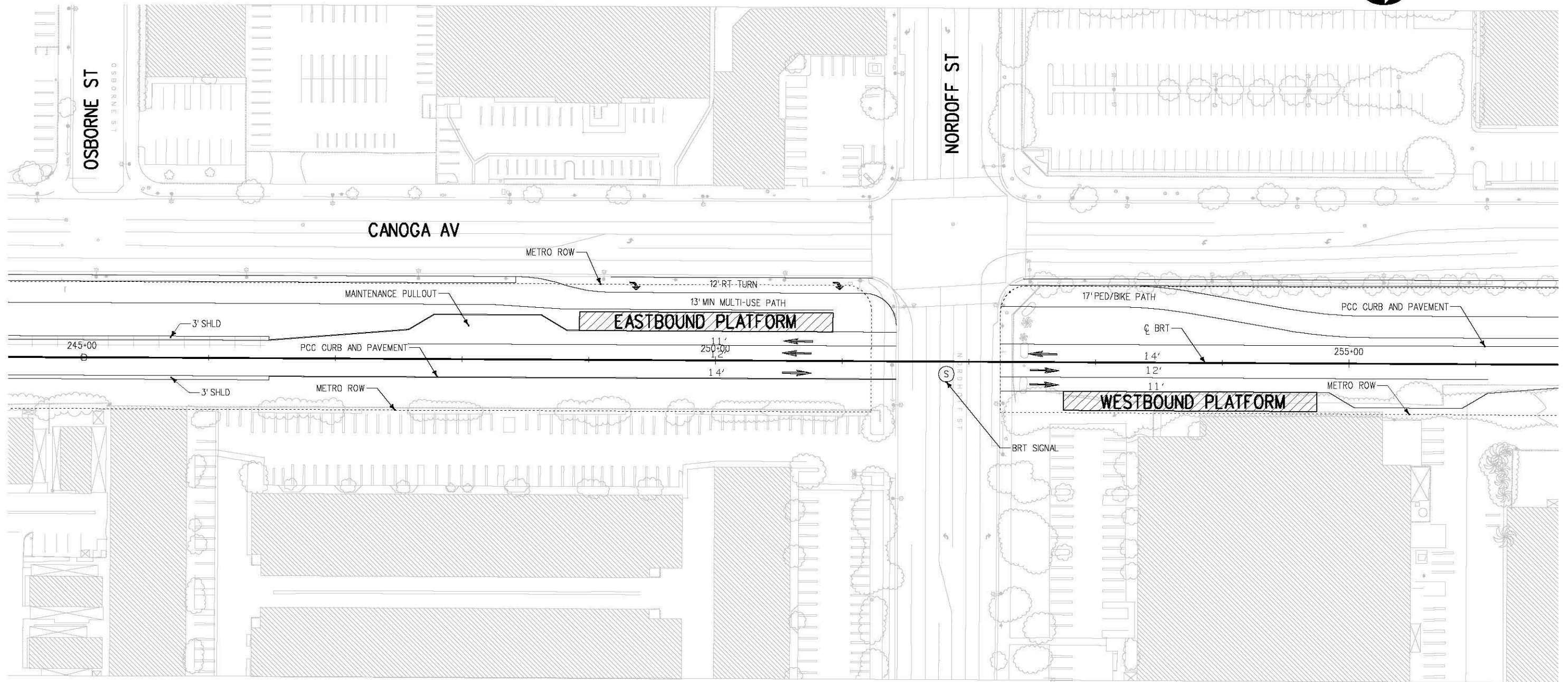
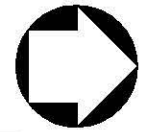
DMJM HARRIS | AECOM

615 SOUTH FLOWER STREET
LOS ANGELES, CALIFORNIA 90017
TEL (213) 593-8200
FAX (213) 593-8622

CANOGA TRANSPORTATION CORRIDOR
ROSCOE STATION

CONTRACT NUMBER	PS43701952
DWG. NO.	C-303
SCALE	1"=40'
SHEET NO.	

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CONCEPTUAL PLAN
 GRAPHIC SCALE
 (FOR FULL SIZE ONLY) OF BUSWAY - ALTERNATIVE 4

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REV.	DATE	BY	APP.	DESCRIPTION

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DRAWN BY	JS	DATE	02/12/08
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DATE	02/18/08		

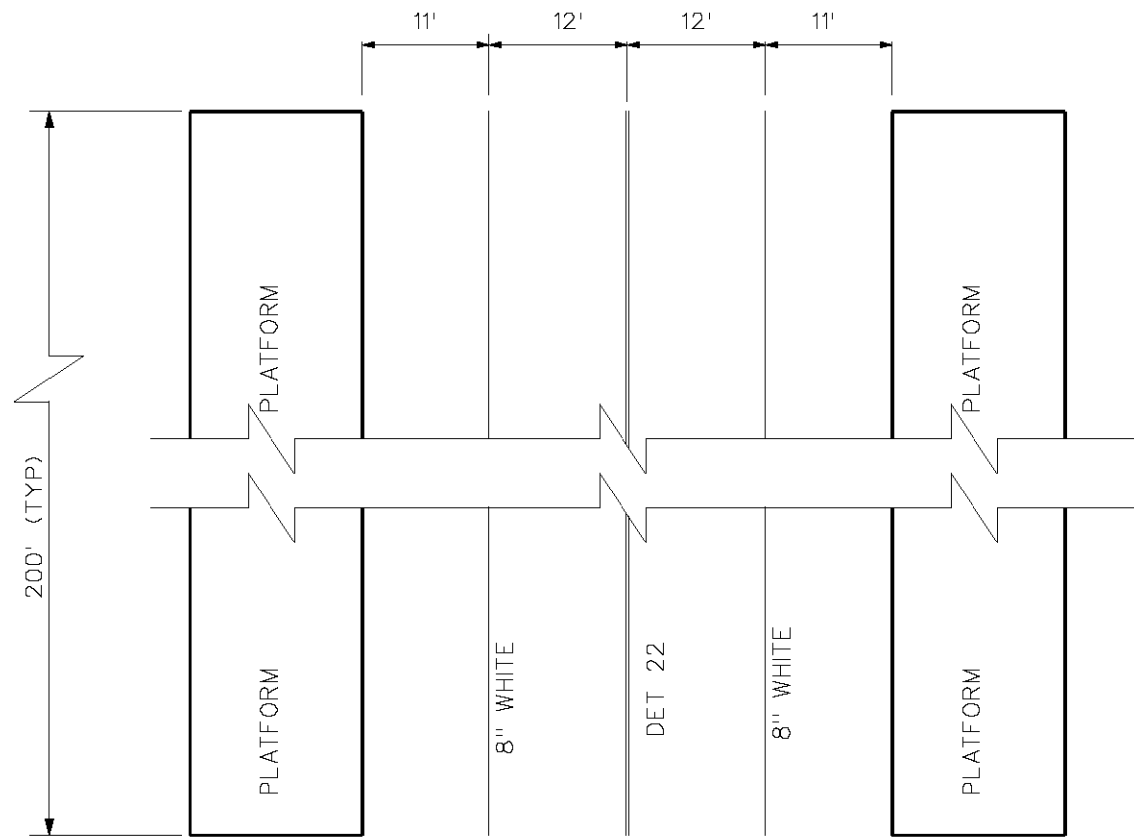
	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
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257 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 400-0300
 Fax: (213) 496-0400

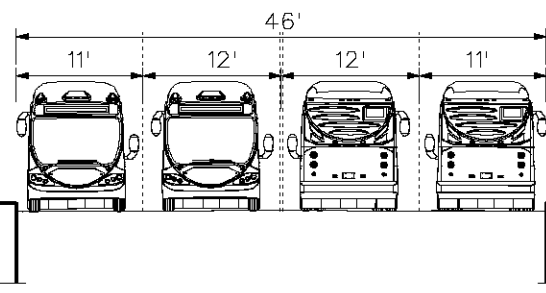
DMJM HARRIS | AECOM
 615 SOUTH FLOWER STREET
 LOS ANGELES, CALIFORNIA 90017
 TEL (213) 593-8200
 FAX (213) 593-8622

CANOGA TRANSPORTATION CORRIDOR
NORDHOFF STATION

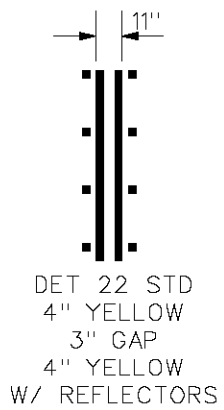
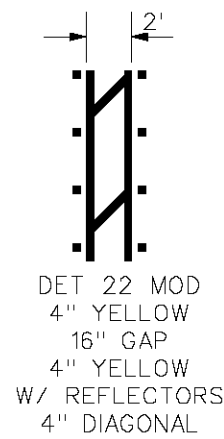
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SHEET NO.	



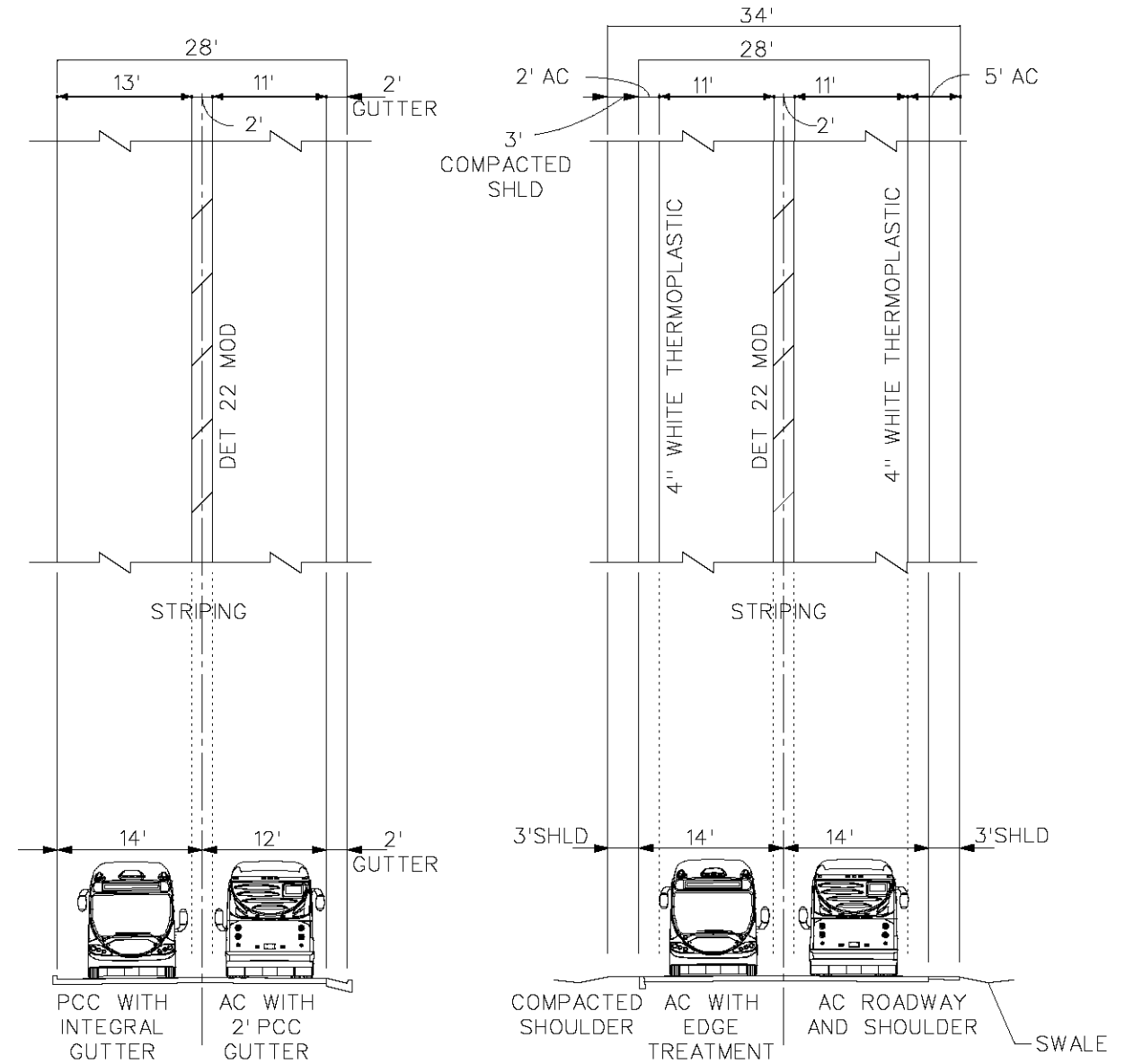
PLAN



SECTION AT STATIONS



STRIPING DETAIL



SECTION

ON BRT WITH CURB & GUTTER
NOMINAL LANE WIDTH IS 14'

SECTION

ON BRT WITHOUT CURB & GUTTER
NOMINAL LANE WIDTH IS 12'

SECTIONS ALONG GUIDEWAY

NOTES:

1) USE OF AC SHOULDER, COMPACTED SHOULDER OR CURB DEPENDS ON SITE CONDITIONS AND HORIZONTAL CLEARANCES.

2) SECTIONS AT STATIONS ARE PER BRT DESIGN CRITERIA.

3) LANE TRANSITIONS TO STATION AREA FOLLOW BRT DESIGN CRITERIA UNLESS OTHERWISE NOTED.

CONCEPTUAL PLAN
OF BUSWAY - ALTERNATIVE 4

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	JS	DATE	02/12/08
DRAWN BY	JS	DATE	02/12/08
CHECKED	LM	DATE	02/13/08
DATE	02/18/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

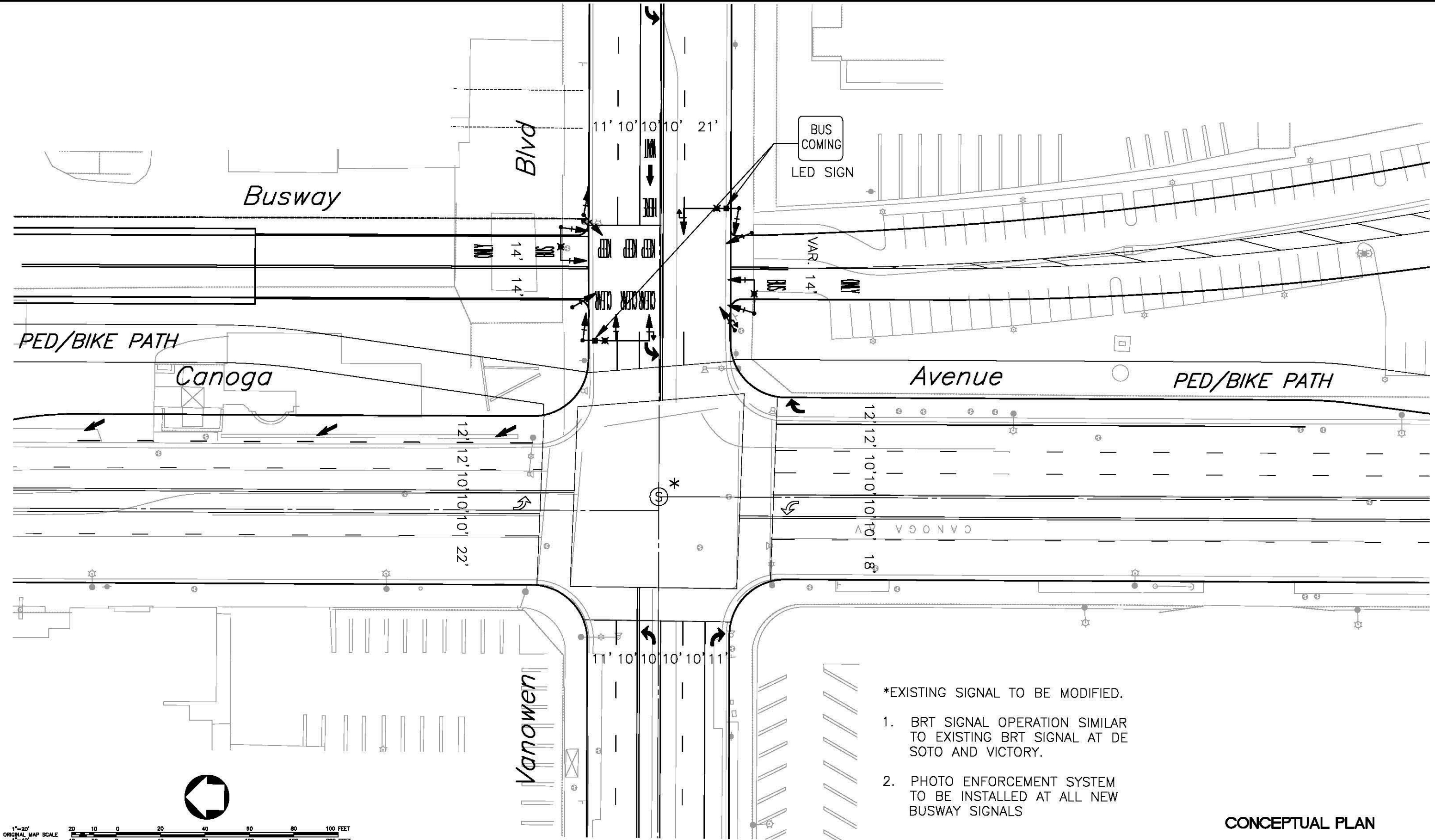
ITERIS 257 Wilshire Blvd, Suite 4010 Los Angeles, CA 90017-3910 Phone: (213) 400-0300 Fax: (213) 496-0400

DMJM HARRIS | AECOM 615 SOUTH FLOWER STREET LOS ANGELES, CALIFORNIA 90017 TEL (213) 593-8200 FAX (213) 593-8822

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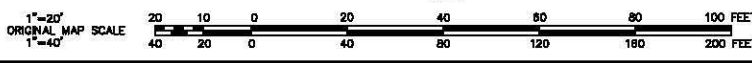
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- *EXISTING SIGNAL TO BE MODIFIED.
1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DERDERIAN	02/08
DATE	02/18/08

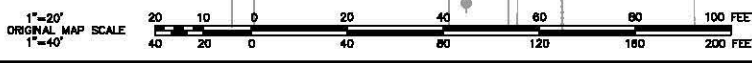
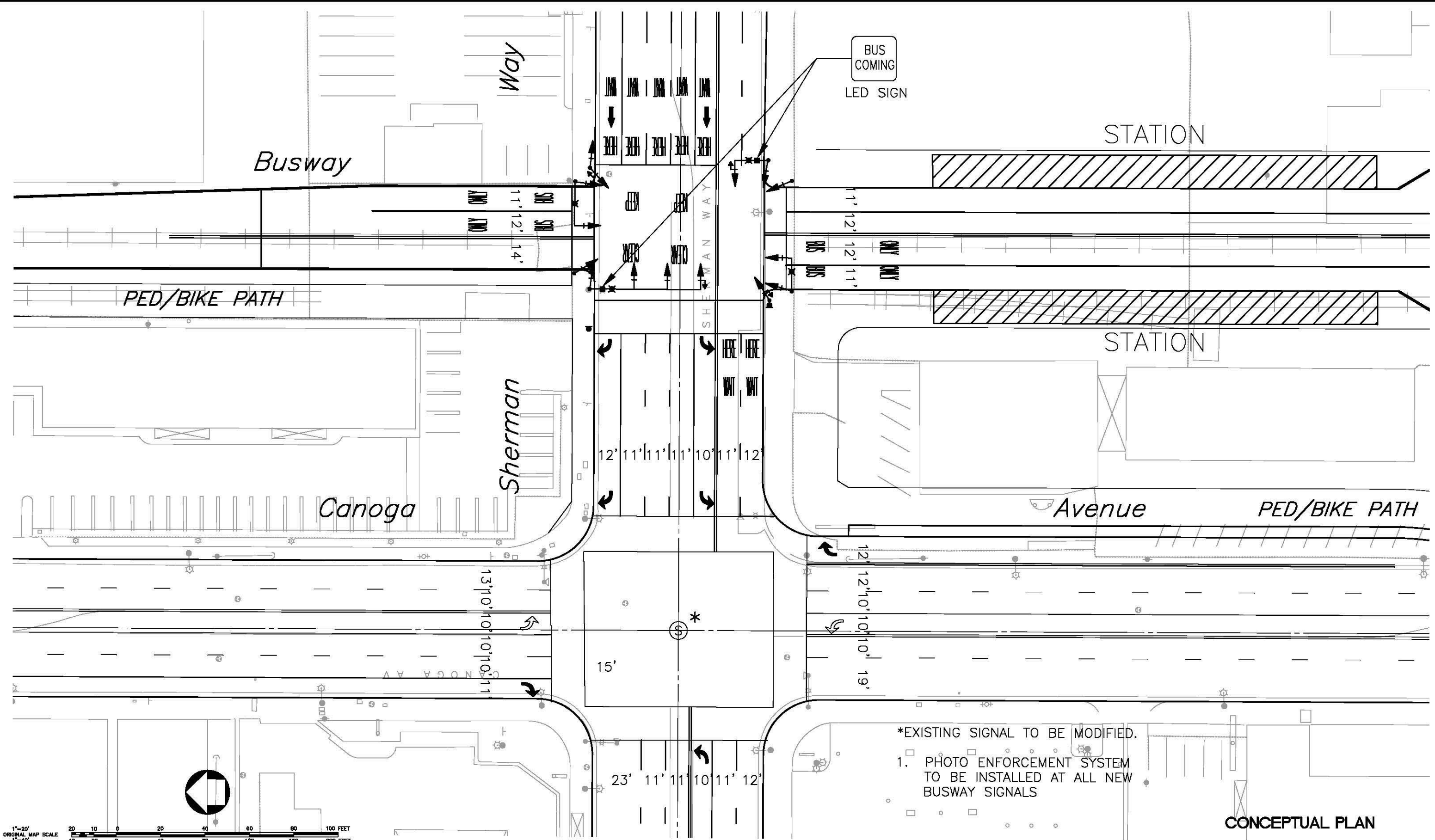

Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 480-0468
 Fax: (213) 480-0440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 CANOGA AVENUE
 AT VANOWEN BLVD**

CONTRACT NUMBER	PS43701952
DWG. NO.	TS-001
SCALE	1" = 40'
SHEET NO.	

Feb 14, 2008, M.I. CAD, FILE: H:\2007\07-1643_Northern_Canoga_Extension - Conceptual\CAD\Conceptual_Drawings\CANOGA_OPTION_BUSWAY_ALTERNATIVE



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
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DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DENNERMAN	02/08
DATE	02/18/08

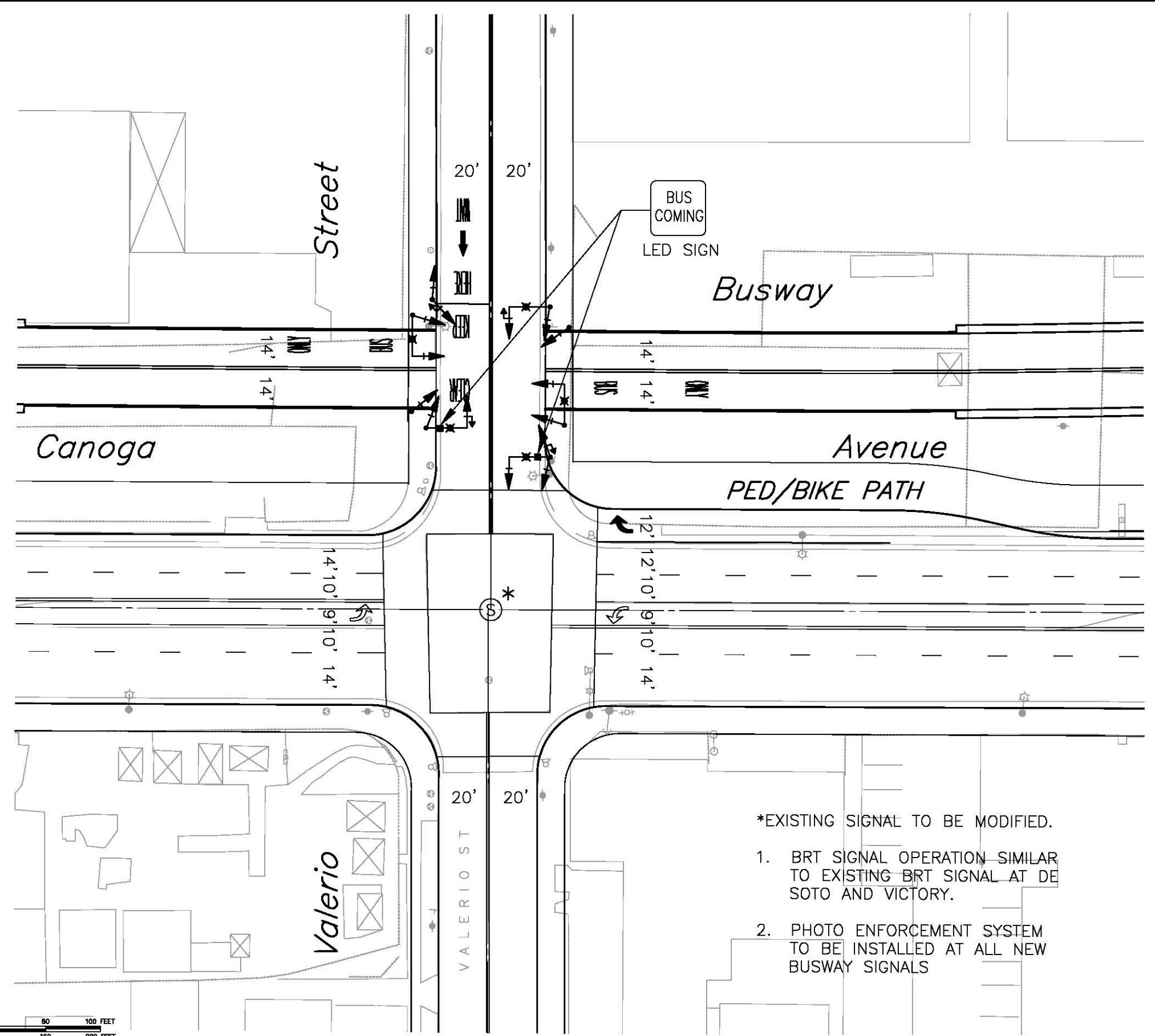
Metro
 LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY

ITERIS
707 Wilshire Blvd, Suite 6010
 Los Angeles, CA 90017-9910
 Phone: (213) 480-0468
 Fax: (213) 480-8440

CANOGA TRANSPORTATION CORRIDOR
BUSWAY ALTERNATIVE
CONCEPTUAL SIGNAL PLAN
CANOGA AVENUE
AT SHERMAN WAY

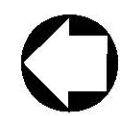
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- *EXISTING SIGNAL TO BE MODIFIED.
- 1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
- 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DEHOERMAN	02/08
DATE	02/18/08

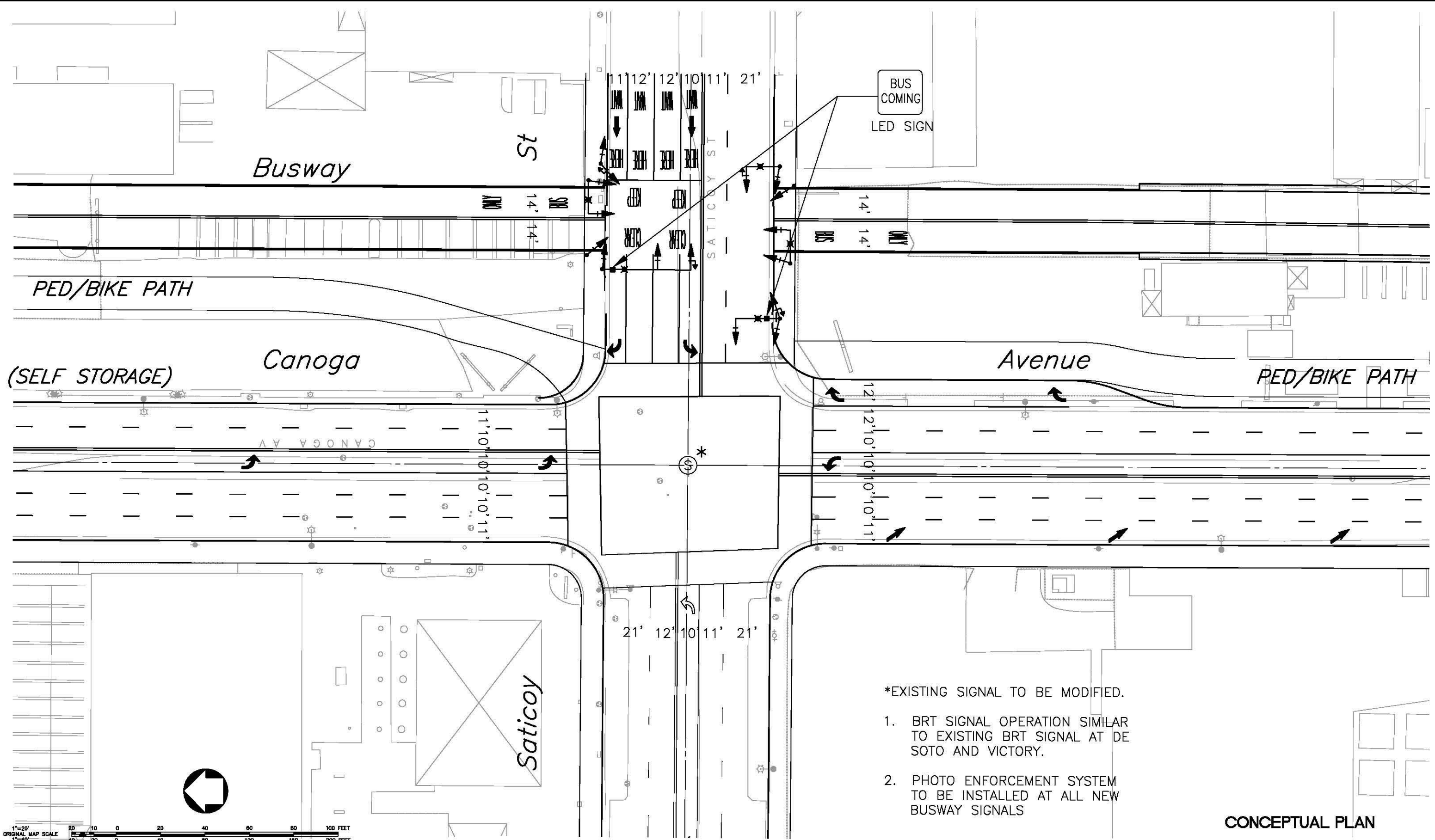

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4810
 Los Angeles, CA 90017-3910
 Phone: (213) 488-0245
 Fax: (213) 488-0440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 CANOGA AVENUE
 AT VALERIO STREET**

CONTRACT NUMBER	PS43701852
DWG. NO.	TS-003
SCALE	1" = 40'
SHEET NO.	

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- *EXISTING SIGNAL TO BE MODIFIED.
1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN



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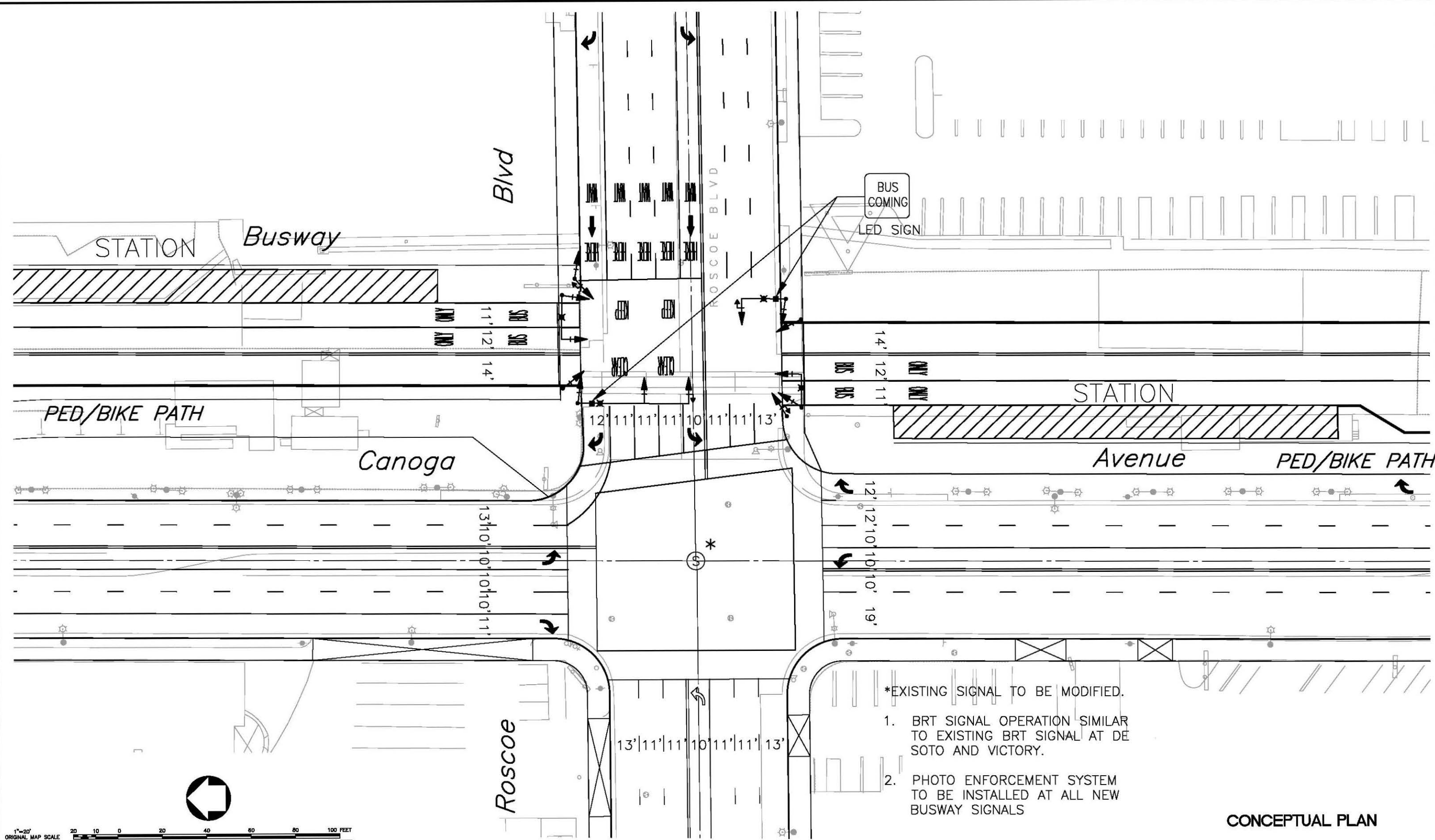
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L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DENDERIAN	02/08
DATE	02/18/08


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY


**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 CANOGA AVENUE
 AT SATICOY ST**

CONTRACT NUMBER	P843701952
DWG. NO.	TS-004
SCALE	1" = 40'
SHEET NO.	

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- *EXISTING SIGNAL TO BE MODIFIED.
- 1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
- 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN



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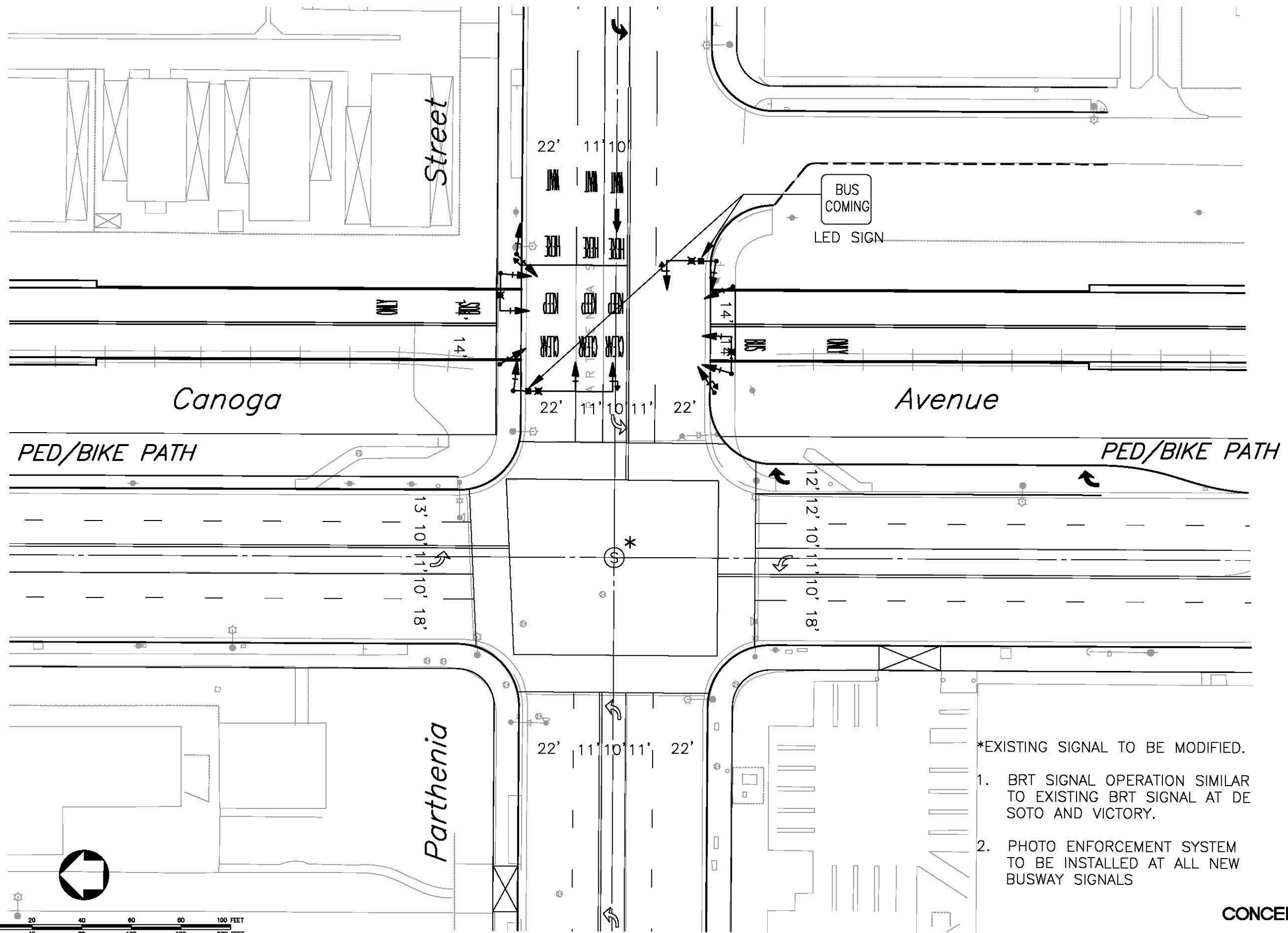
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DATE	02/18/08		

Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3210
 Phone: (213) 489-0545
 Fax: (213) 489-0440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 CANOGA AVENUE
 AT ROSCOE BLVD**

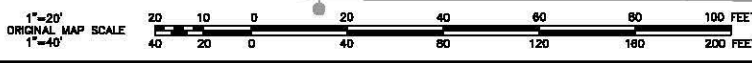
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DWG. NO.	TB-005
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SHEET NO.	



- *EXISTING SIGNAL TO BE MODIFIED.
1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN

Feb 14, 2008, M. CAD, FILE: HA:2007A07-1843_Northern_Genese_Extension - Operating/CAD/Conceptual_Drawing/CANOCA_OPTION_BUSWAY_A1.dwg



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	H. DENNERMAN	DATE	02/08
DATE			02/18/08

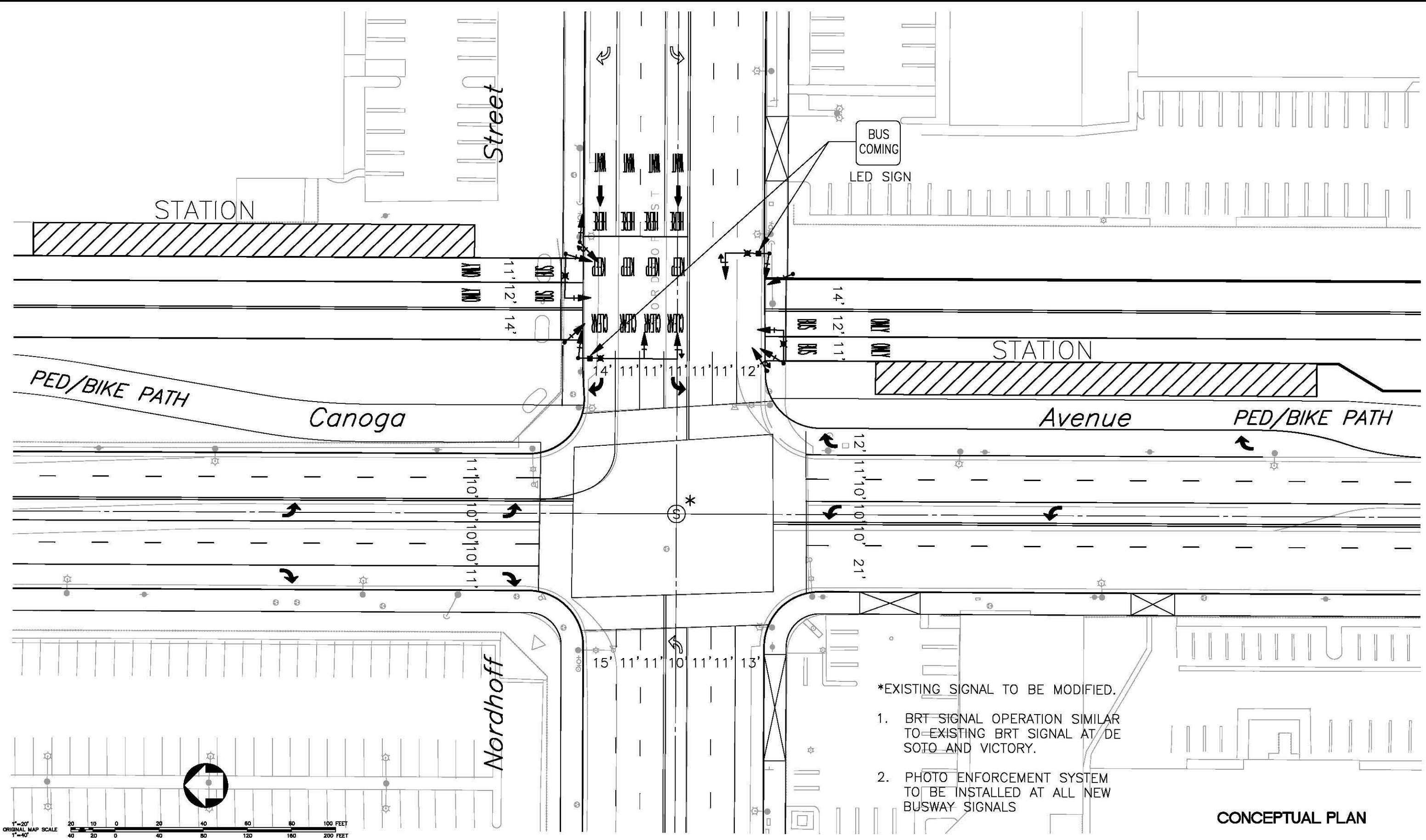
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS 707 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-5910
Phone: (213) 488-0446 Fax: (213) 488-0440

**CANOCA TRANSPORTATION CORRIDOR
BUSWAY ALTERNATIVE
CONCEPTUAL SIGNAL PLAN
CANOGA AVENUE
AT PARTHENIA STREET**

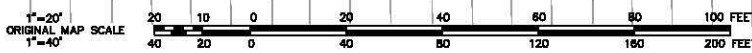
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SHEET NO.	

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- *EXISTING SIGNAL TO BE MODIFIED.
1. BRT SIGNAL OPERATION SIMILAR TO EXISTING BRT SIGNAL AT DE SOTO AND VICTORY.
 2. PHOTO ENFORCEMENT SYSTEM TO BE INSTALLED AT ALL NEW BUSWAY SIGNALS

CONCEPTUAL PLAN



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DEBERNAN	02/08
DATE	02/18/08

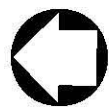
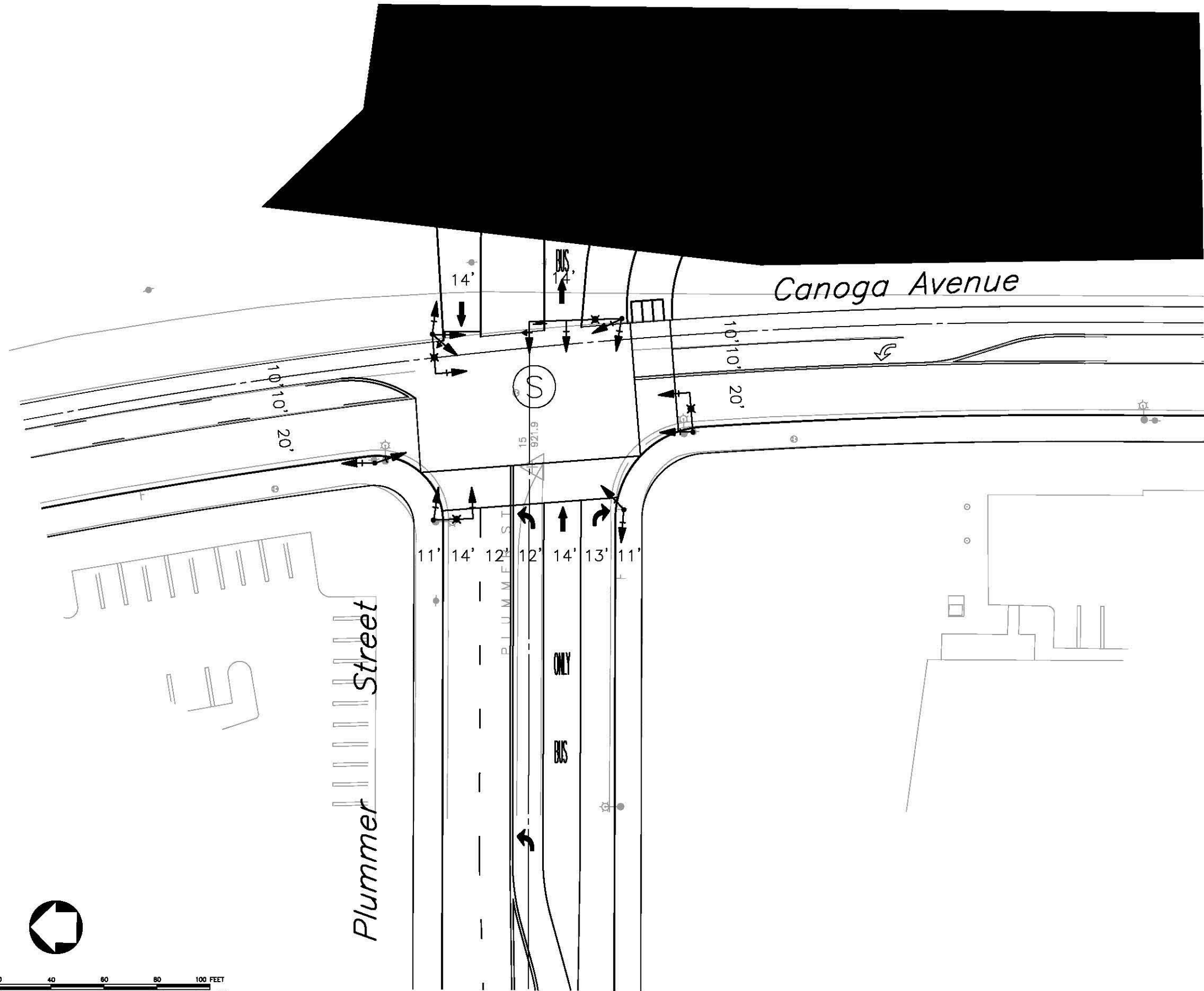
Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-5010
 Phone: (213) 468-0462
 Fax: (213) 468-0440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 CANOGA AVENUE
 AT NORDHOFF STREET**

CONTRACT NUMBER	PS43701952
DWG. NO.	TS-007
SCALE	1" = 40'
SHEET NO.	

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 02/18/08



CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DEBERNAN	02/08
DATE	
	02/18/08

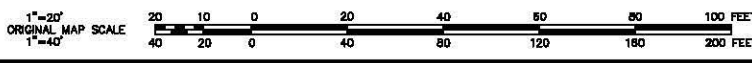
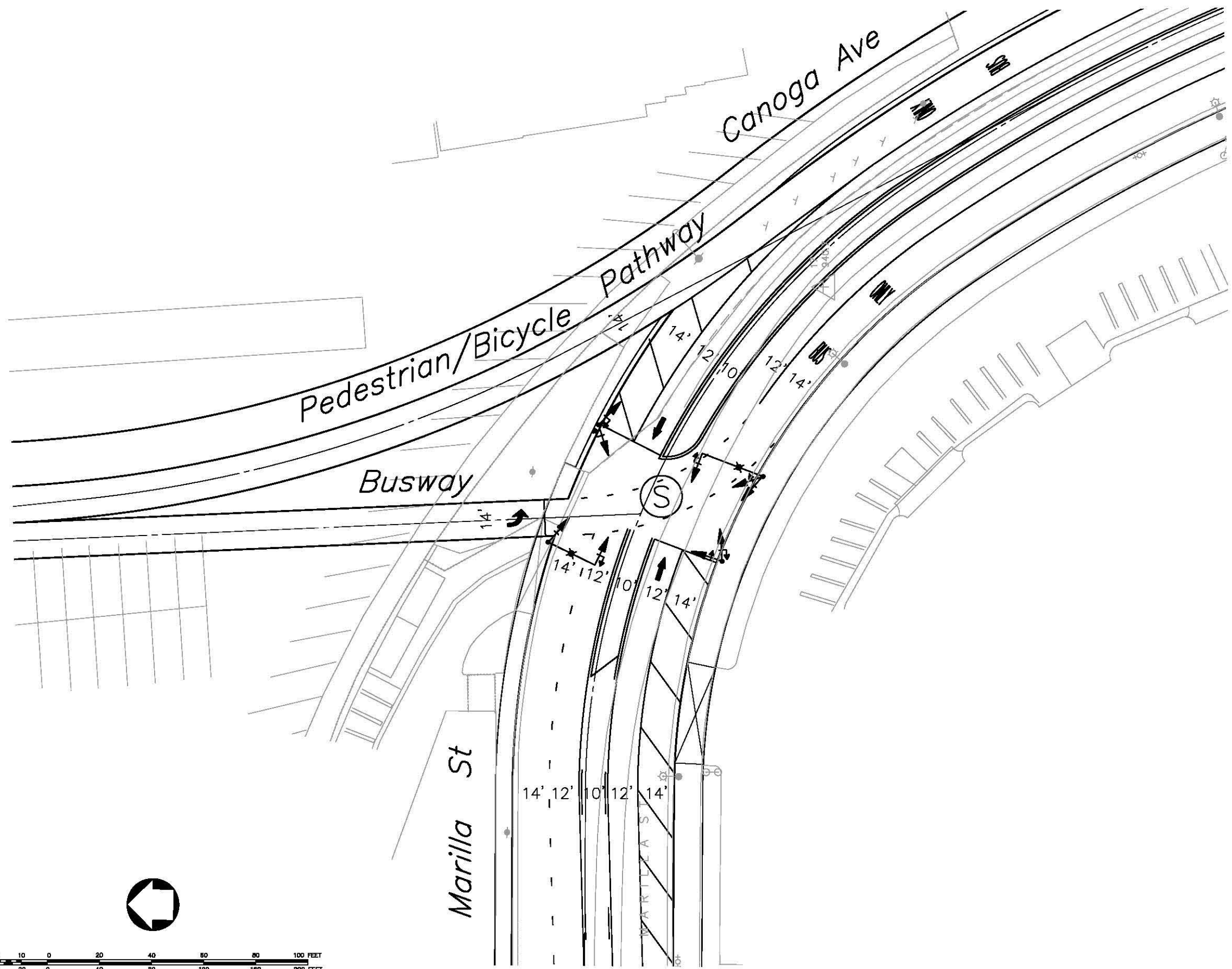

Metro LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY


707 W. Main St., Suite 4010
 Los Angeles, CA 90011-5010
 Phone: (213) 468-0565
 Fax: (213) 468-0440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 PLUMMER STREET
 AT BUSWAY (OPTION 1)**

CONTRACT NUMBER	PS43701952
DWG. NO.	TS-008
SCALE	1" = 40'
SHEET NO.	

Feb. 14, 2008 M:\CADD\FILE: M:\2007\07-1843_Northern_Conceptual_Drawings\CANOGA_OPTION_BUSWAY_ALI.dwg



CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. DERDENAN	DATE	02/08
DATE	02/14/08		

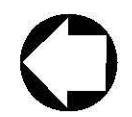
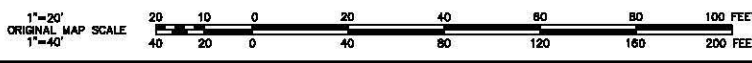
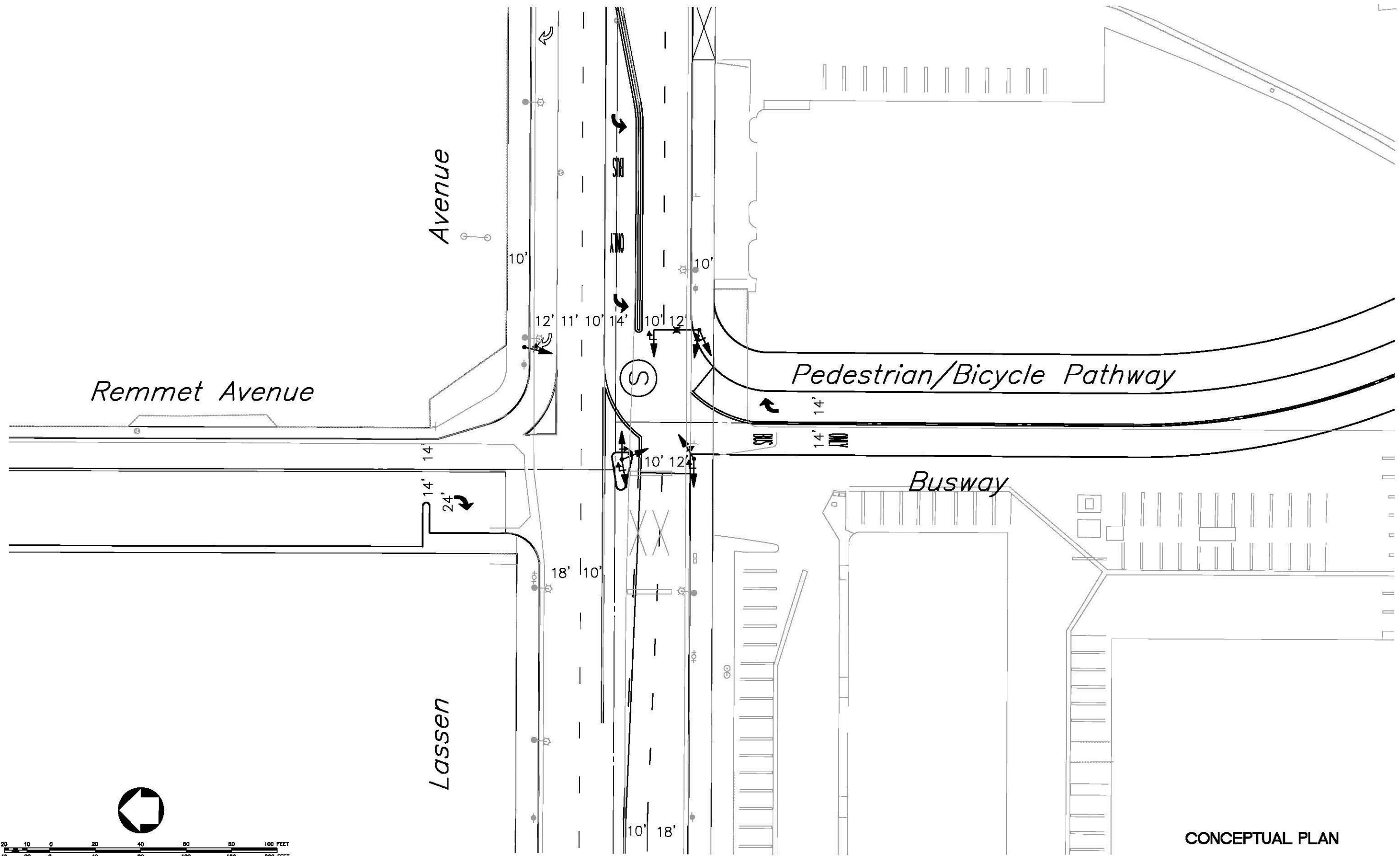
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 488-0966
 Fax: (213) 488-0440

CANOGA TRANSPORTATION CORRIDOR
 ON- ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
**MARILLA STREET
 AT BUSWAY (OPTION 2)**

CONTRACT NUMBER	P843701952
DWG. NO.	TS-009
SCALE	1" = 40'
SHEET NO.	

Feb. 14, 2008, M1 CAD.DWG FILE: H:\2007\107-1843_Northern_Canoga_Extension - Conceptual Drawings\CANOGA_OPTION_BUSWAY_ALI.dwg



CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
L. SALVATERRA	02/08
DRAWN BY	DATE
L. SALVATERRA	02/08
CHECKED	DATE
K. DENBERMAN	02/08
DATE	02/18/08

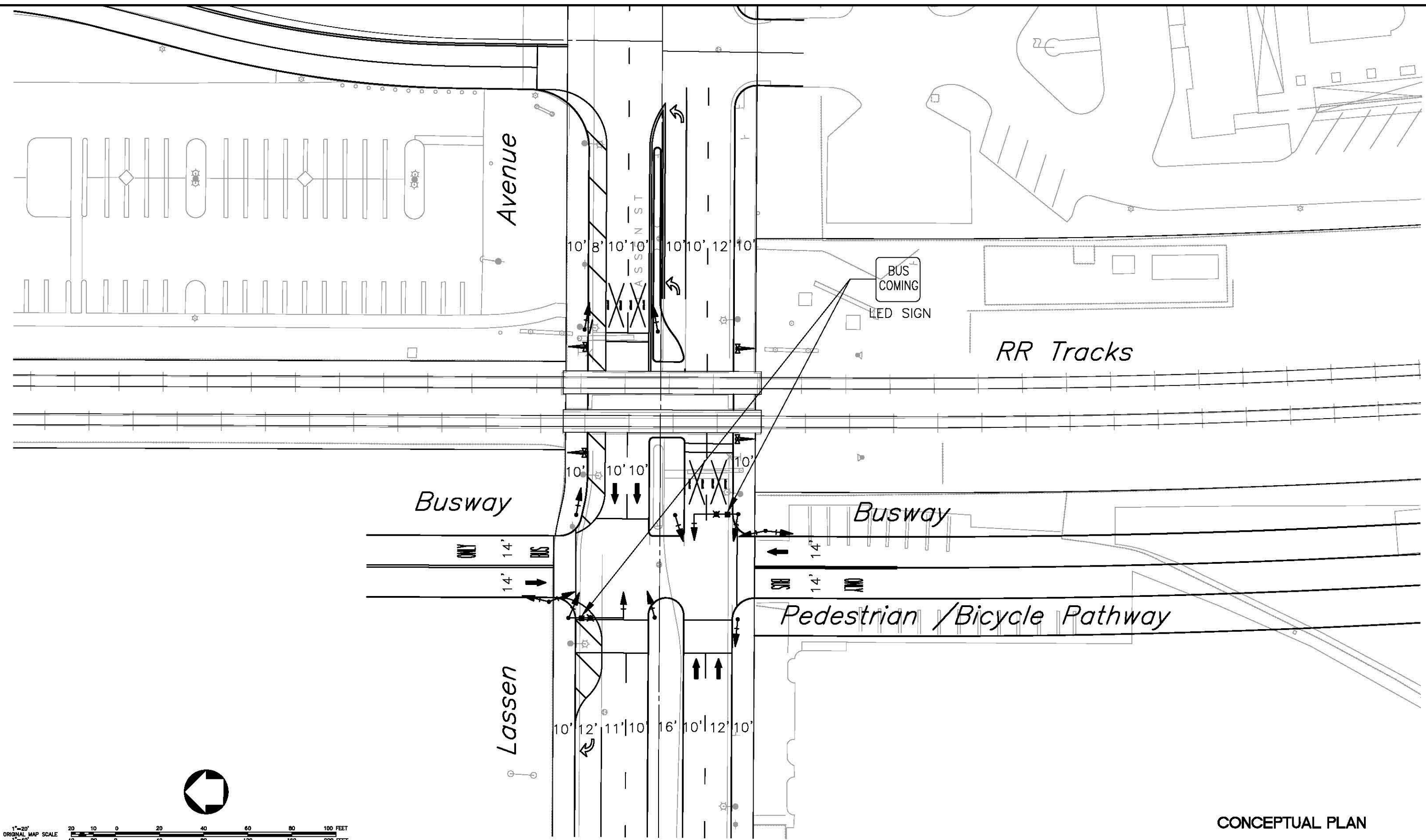

Metro
 LOS ANGELES COUNTY METROPOLITAN
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707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3810
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CANOGA TRANSPORTATION CORRIDOR
BUSWAY ALTERNATIVE
CONCEPTUAL SIGNAL PLAN
LASSEN AVENUE
AT BUSWAY (OPTION 2)

CONTRACT NUMBER	P843701852
DWG. NO.	TS-010
SCALE	1" = 40'
SHEET NO.	

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REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. OEBERMAN	DATE	02/08
DATE	02/14/08		

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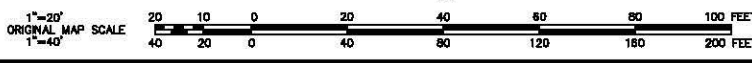
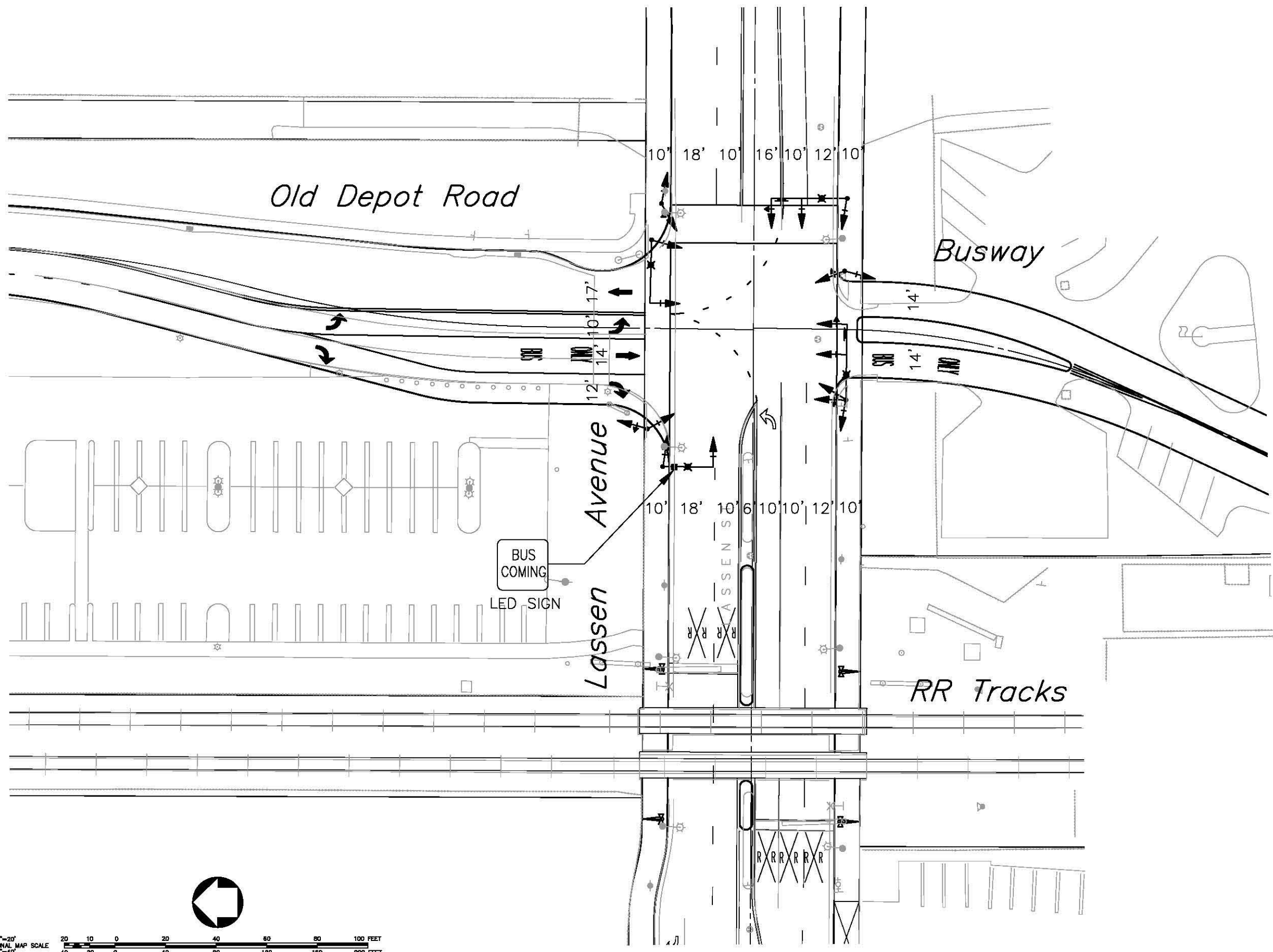
ITERIS 707 Maple Blvd, Suite 4910
 Los Angeles, CA 90071-3910
 Phone: (213) 469-0346
 Fax: (213) 469-0460

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN
 LASSEN AVENUE
 AT BUSWAY (OPTION 3)**

CONTRACT NUMBER	PS43701952
DWG. NO.	TS-011
SCALE	1" = 40'
SHEET NO.	

CONCEPTUAL PLAN

Feb. 14, 2008 M.I. CAD FILE: H:\2007A\07-1843 Northern Canoga Extension - Conceptual\CAD\Conceptual Drawings\CANOGA OPTION BUSWAY ALTERNATIVE



CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

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DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/14/08		

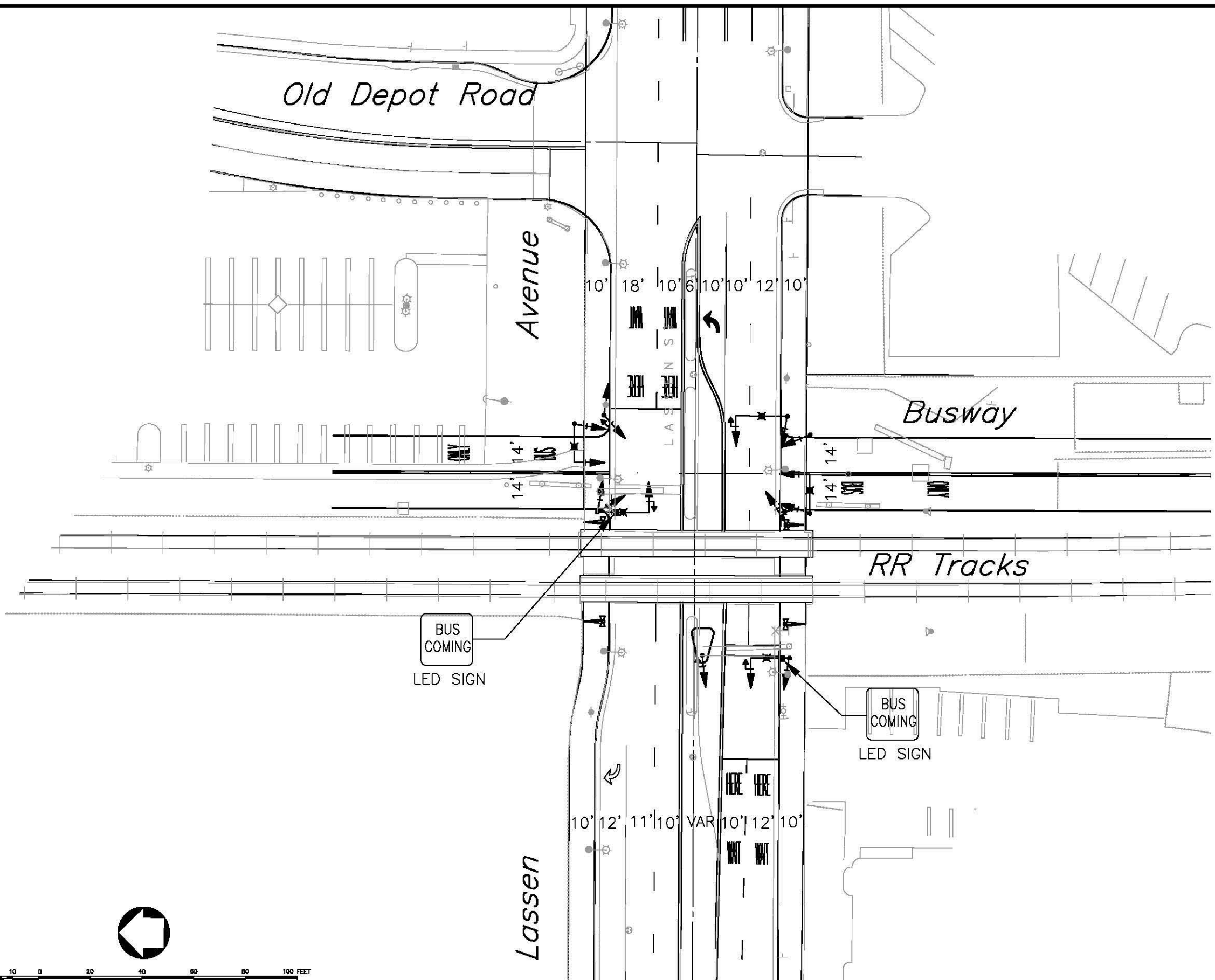

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3510
 Phone: (213) 469-2446
 Fax: (213) 468-3440

**CANOGA TRANSPORTATION CORRIDOR
 BUSWAY ALTERNATIVE
 CONCEPTUAL SIGNAL PLAN**
**LASSEN AVENUE
 AT BUSWAY (OPTION 4)**

CONTRACT NUMBER	P843701952
DWG. NO.	TS-012
SCALE	1" = 40'
SHEET NO.	

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CONCEPTUAL PLAN



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	DATE
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DRAWN BY	DATE
L. SALVATERIA	02/08
CHECKED	DATE
K. DERDERMAN	02/08
DATE	02/18/08

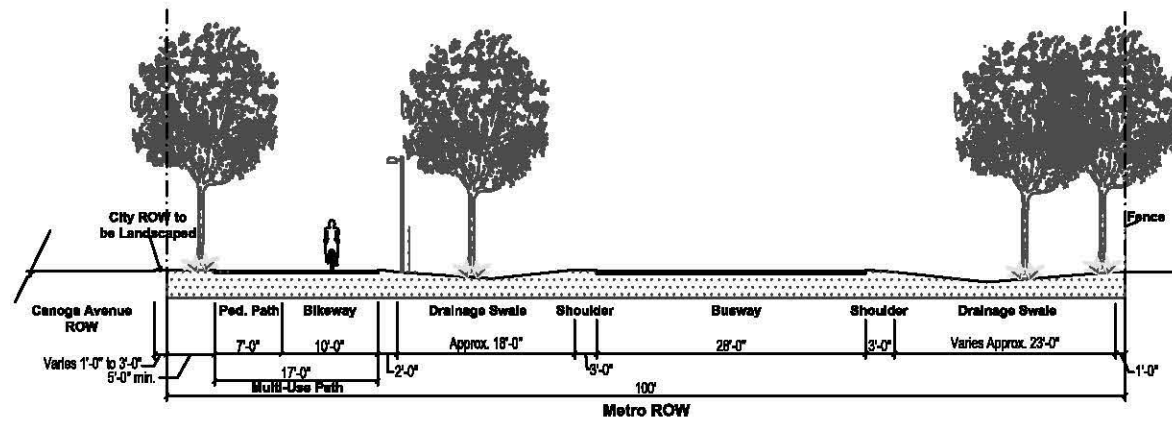

Metro
 LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY


ITERIS
707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-9110
 Phone: (213) 688-0548
 Fax: (213) 499-6440

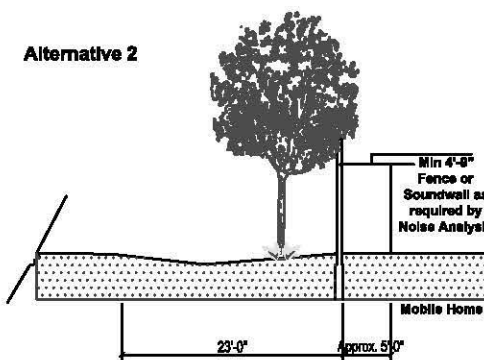
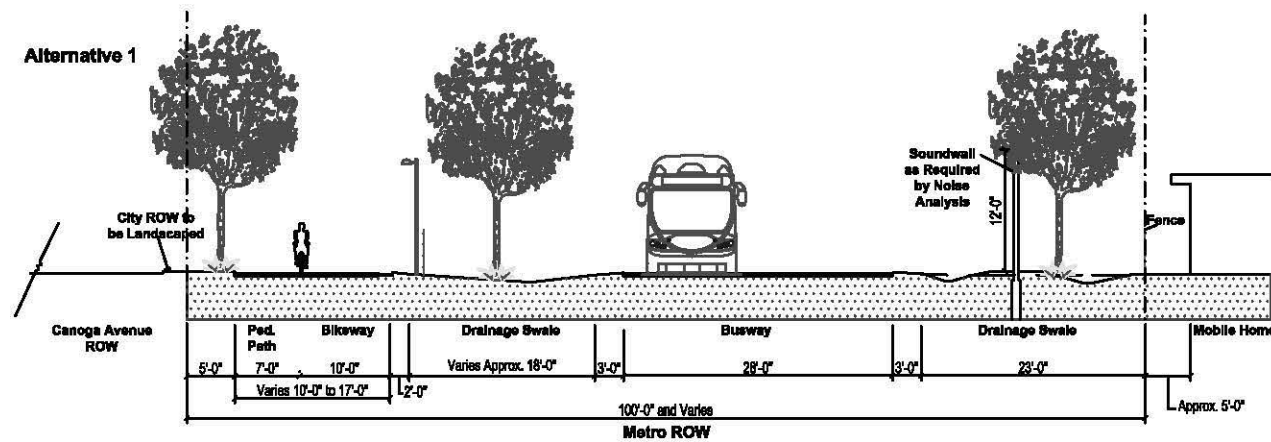
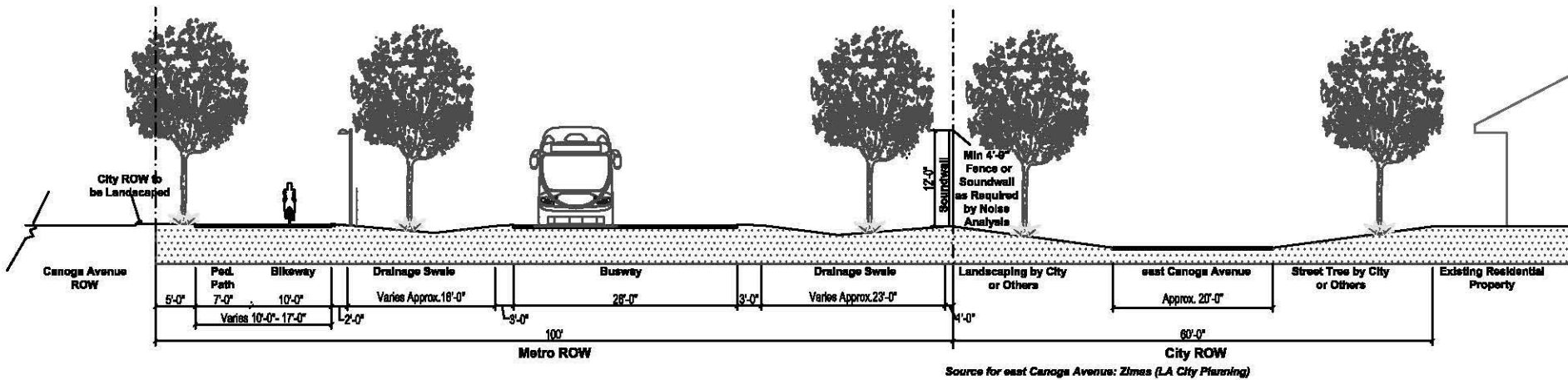
CANOGA TRANSPORTATION CORRIDOR
BUSWAY ALTERNATIVE
CONCEPTUAL SIGNAL PLAN
LASSEN AVENUE
AT BUSWAY (OPTION 4a)

CONTRACT NUMBER	PS43701952
DWG. NO.	TS-013
SCALE	1" = 40'
SHEET NO.	

100 FOOT METRO ROW BETWEEN STATIONS



METRO ROW ADJACENT TO RESIDENTIAL USES



11-16-2008 08:00:00 FILED: 03/12/08 10:03:00 AM PROJECT: 03/03/08 08:00:00 AM 11-16-2008 08:00:00 AM

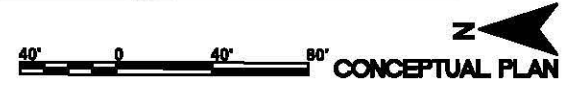
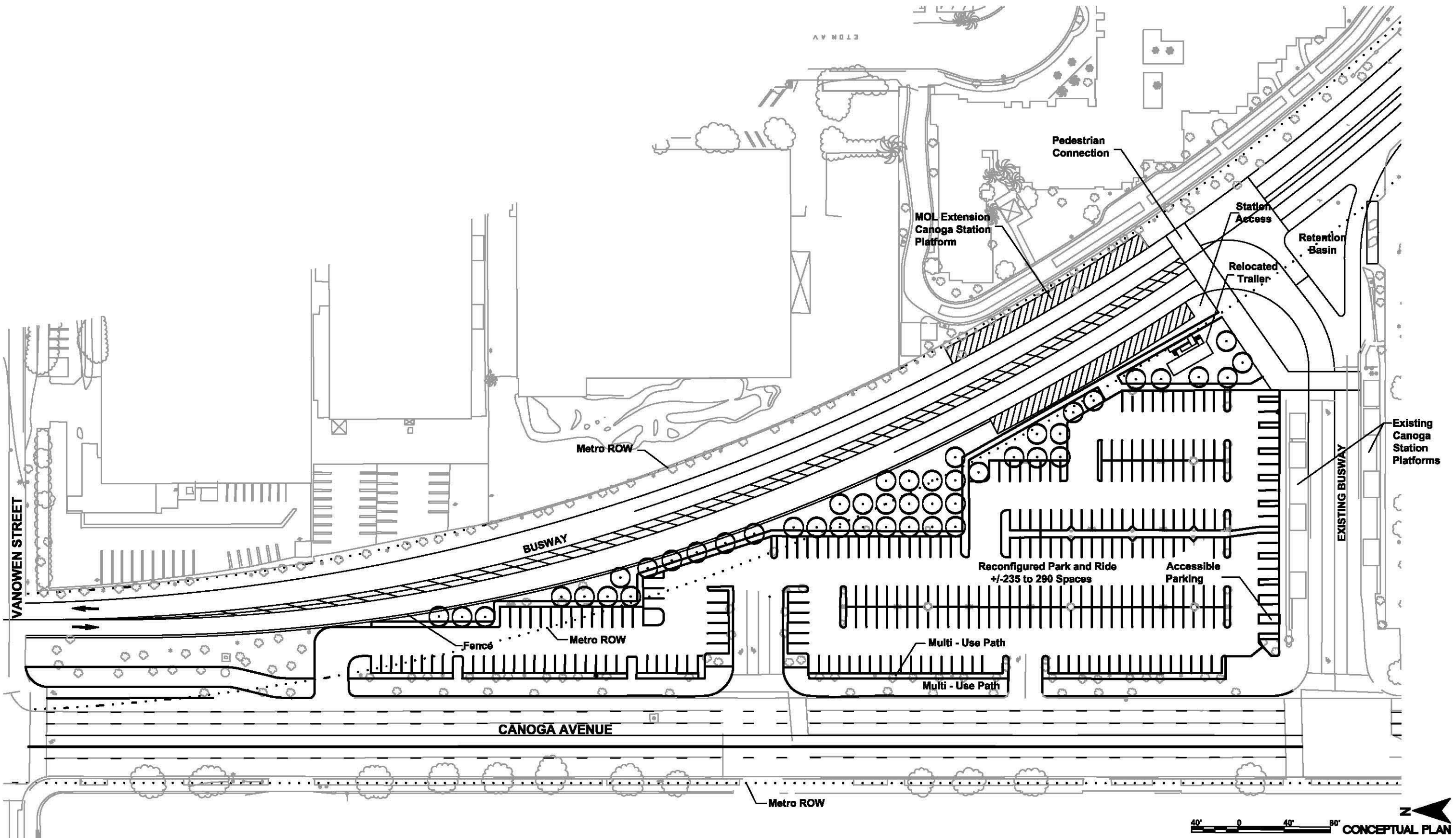
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DRAWN BY	MK	02/03/08
CHECKED	FG	02/04/08
DATE		02/18/08

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 Los Angeles, CA 90017-3610
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CANOGA TRANSPORTATION CORRIDOR
CANOGA BUSWAY ALTERNATIVE
CROSS-SECTIONS

CONTRACT NUMBER: P843701952
 SHEET NO.: UD-001
 SCALE: 1"=10'
 SHEET NO.:



11/11/2008 MK 02/03/06 02/03/06 02/04/06 02/18/08

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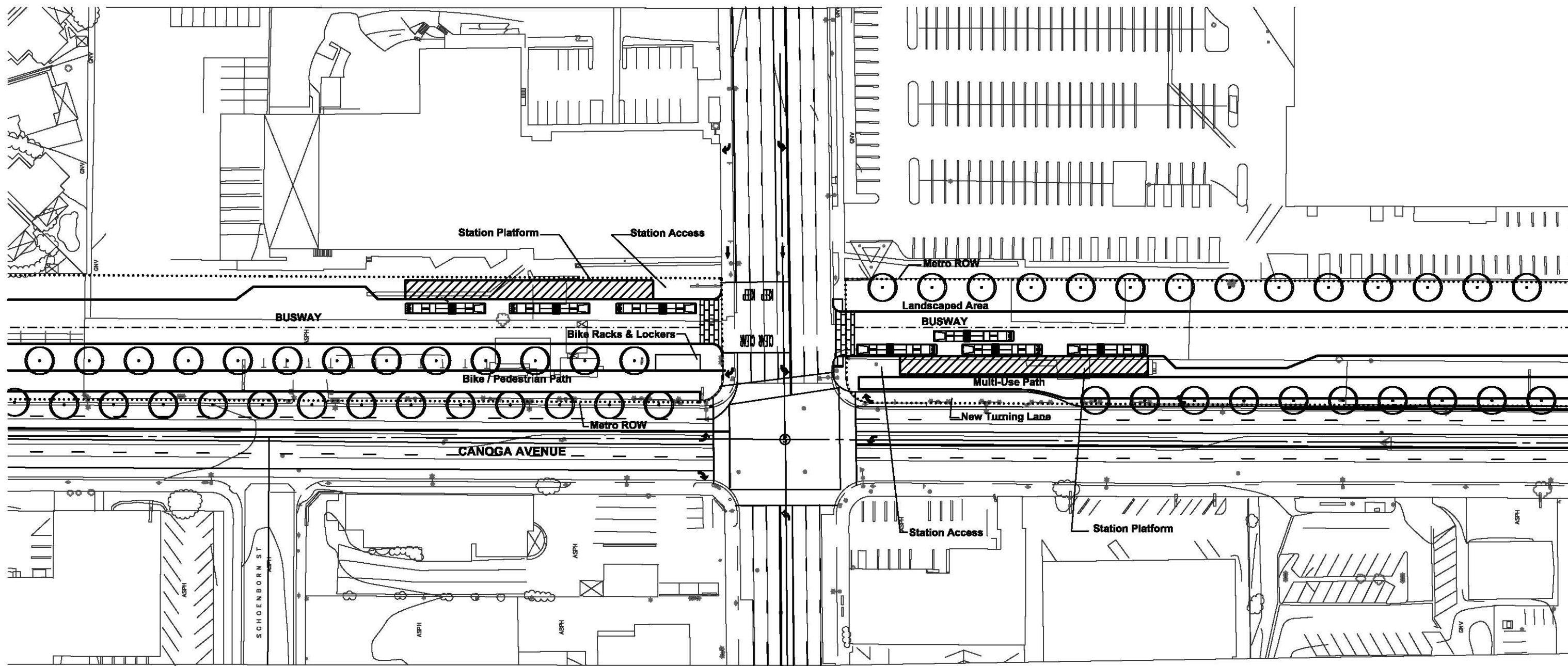
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 DRAWN BY **MK** 02/03/06
 CHECKED **RG** 02/04/06
 DATE **02/18/08**

Metropolitan Transportation Authority
 727 Wilshire Blvd., Suite 4010
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 6300 Vanowen Street, Suite 200, Los Angeles, California 90048
 www.gruenassociates.com Phone: (310) 897-4070 Fax: (310) 897-4000

CANOGA TRANSPORTATION CORRIDOR
CANOGA BUSWAY ALTERNATIVE
CANOGA STATION AND PARK-AND-RIDE

CONTRACT NUMBER **P843701952**
 SHEET NO. **UD-004**
 SCALE **1"=40'**
 SHEET NO.



CONCEPTUAL PLAN

16_10_2008 MK 0200_PLE_03_12.mxd Project: 7047 - CANOGA Transportation Alternatives - 02/03/08 - 02/18/08

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	EVC 02/03/08	DATE	02/03/08
DRAWN BY	MK 02/03/08	DATE	02/03/08
CHECKED	RG 02/04/08	DATE	02/04/08
DATE	02/18/08		

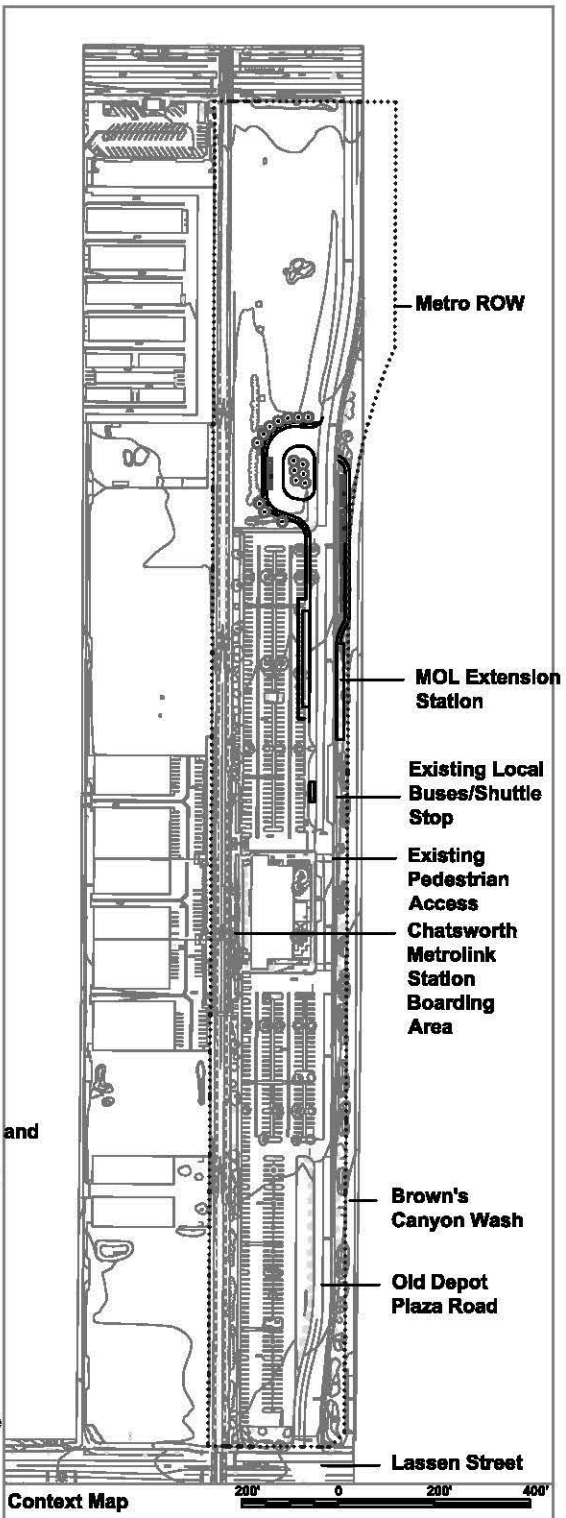
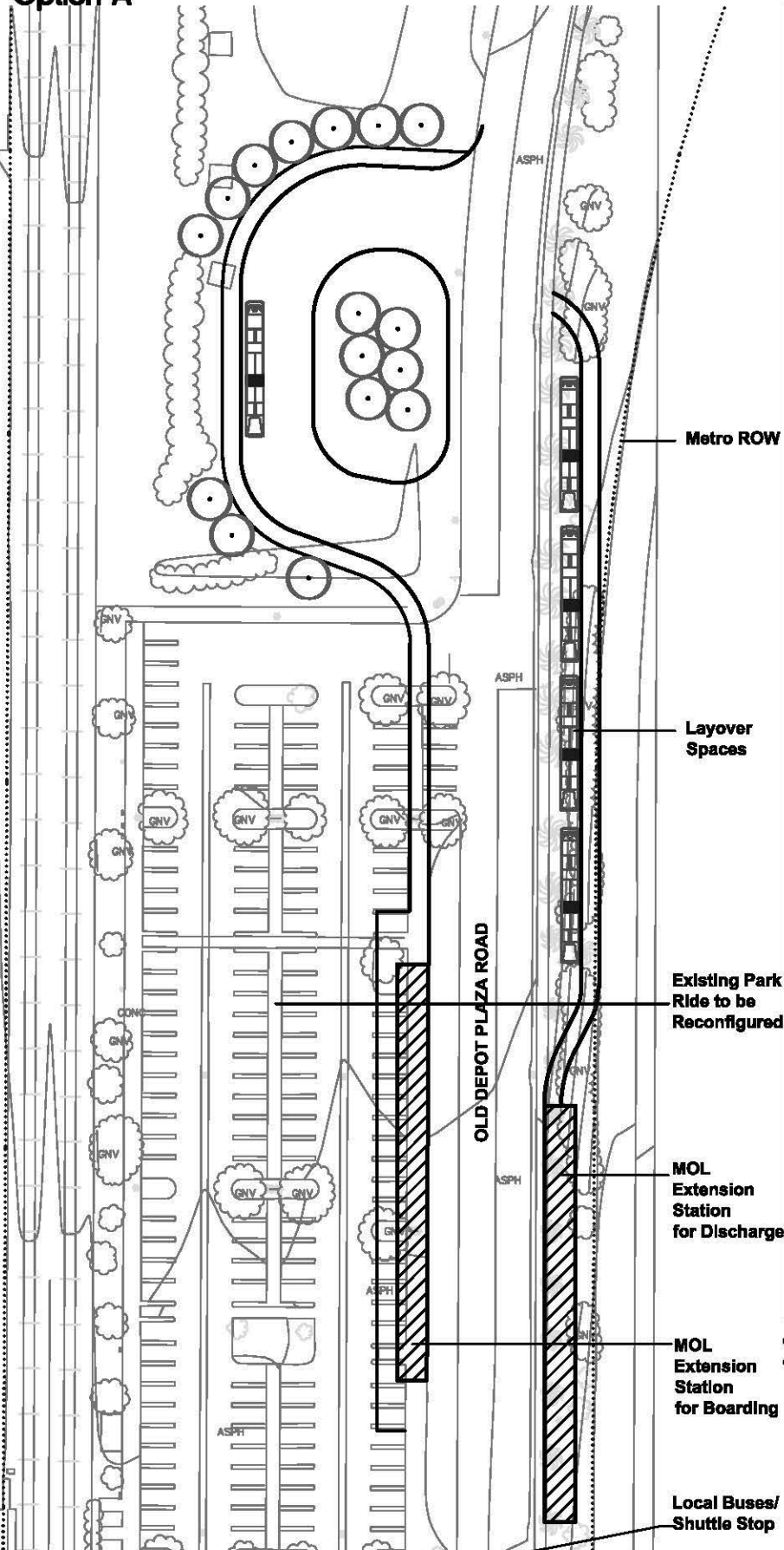

Metropolitan Transportation Authority
 707 Wilshire Blvd., Suite 4010
 Los Angeles, CA 90017-3610
 Phone: (213) 488-6940
 Fax: (213) 488-6940

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 www.gruenassociates.com T 310 897 4570 F 310 897 4521

CANOGA TRANSPORTATION CORRIDOR
CANOGA BUSWAY ALTERNATIVE
ROSCOE STATION

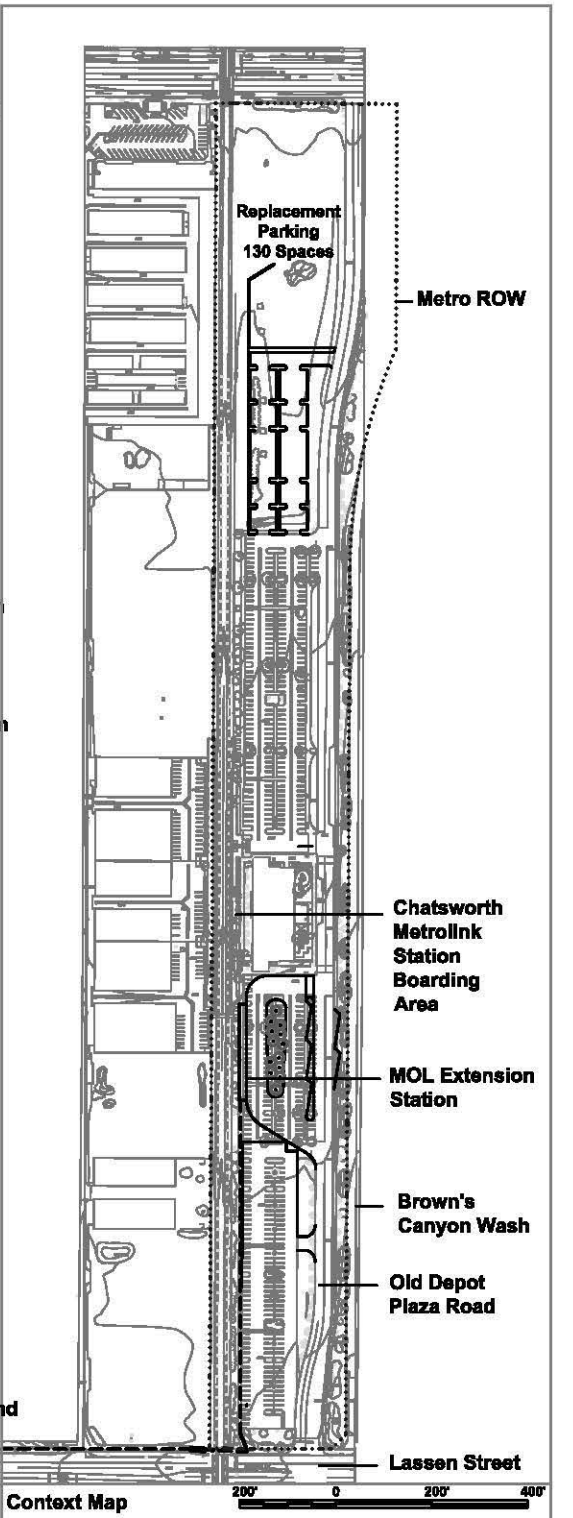
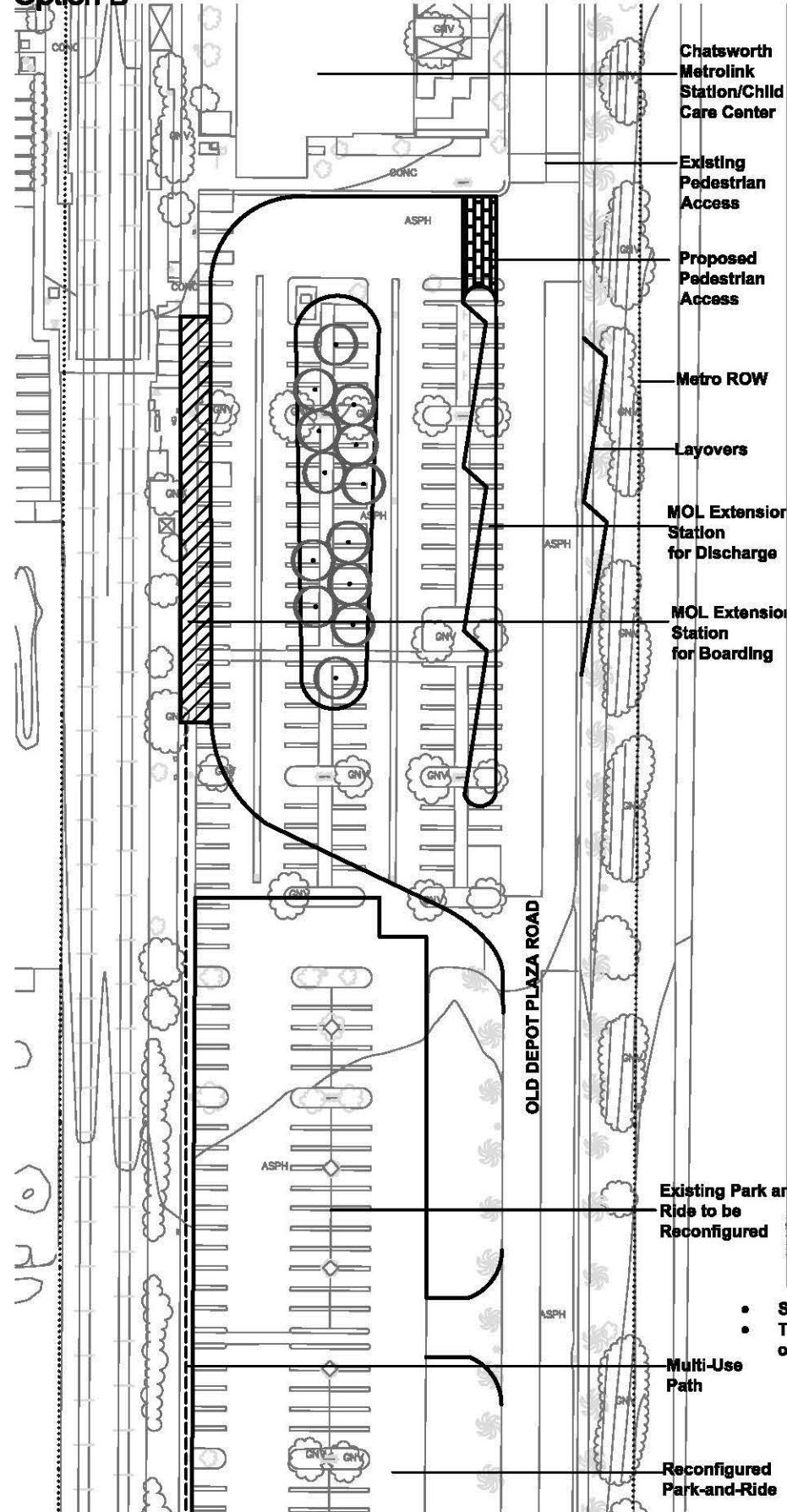
CONTRACT NUMBER	P843701952
SERIAL NO.	UD 006
SCALE	1"=40'
INDEX NO.	

Option A



- Non-revenue turnaround on vacant land
- MOL Extension Station and its layover adjacent to existing local bus stops

Option B



- Similar to North Hollywood turnaround
- To save some parking, locate 2 of the 5 layovers on the main entrance road



CONCEPTUAL PLAN

REV	DATE	BY	APP.	DESCRIPTION

DESIGNED	EYC	02/03/08
DRAWN BY	MK	02/03/08
CHECKED	RG	02/04/08
DATE		02/18/08



Metropolitan Transportation Authority

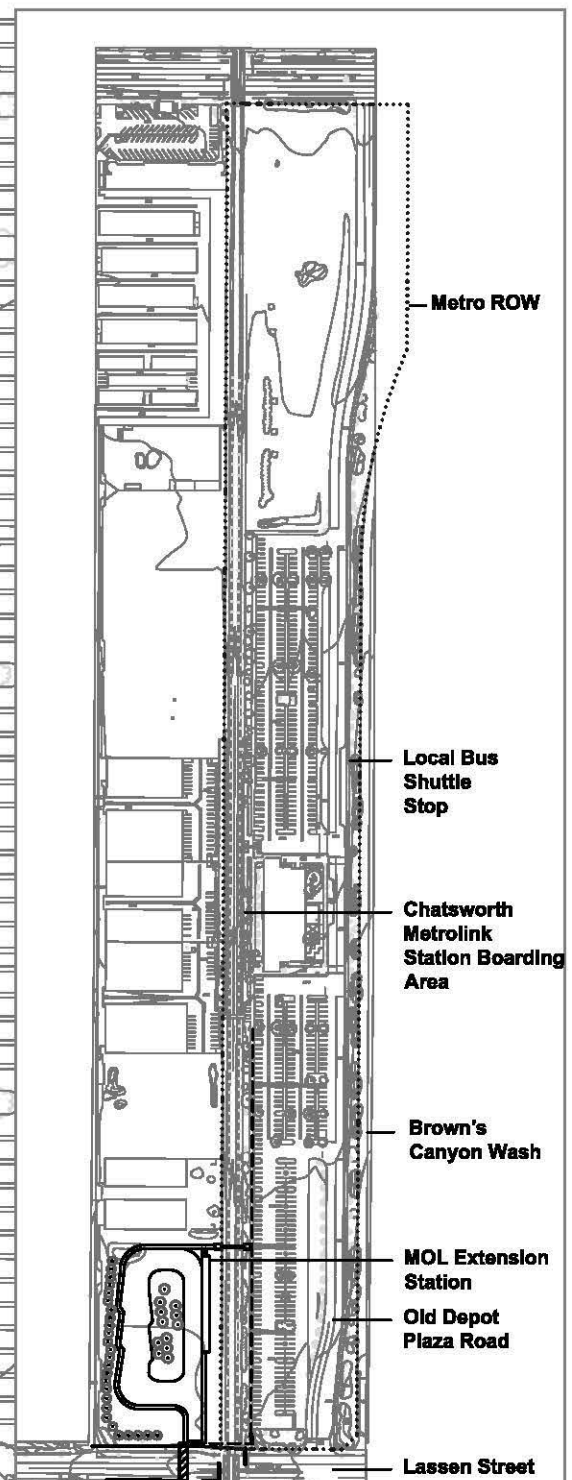
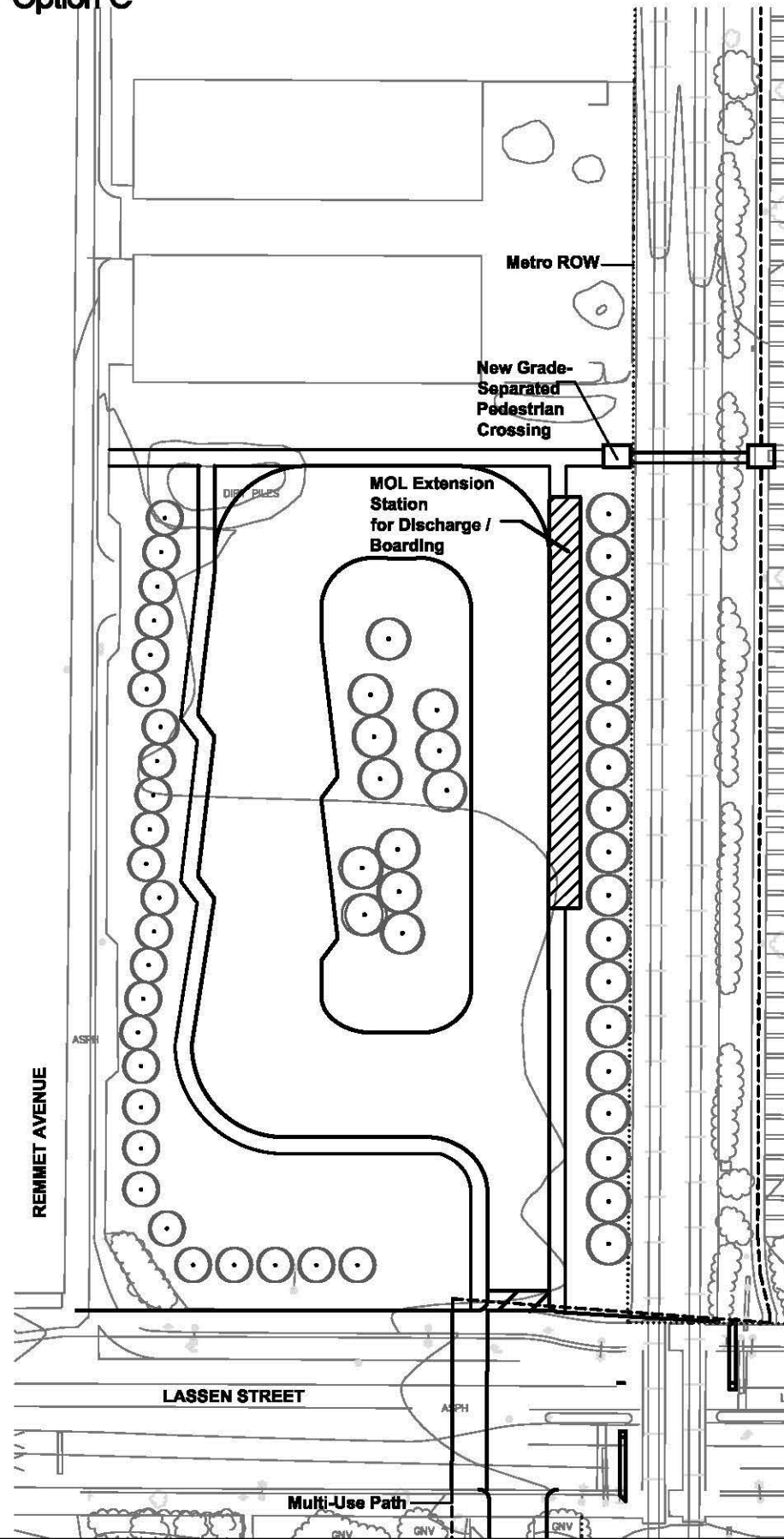
727 Wilshire Blvd., Suite 4010
Los Angeles, CA 90017-3610
Phone: (213) 488-6300
Fax: (213) 488-6400

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ARCHITECTURE PLANNING INTERIORS
6330 Van Vleet Blvd., Suite 200, Los Angeles, California 90048
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CANOGA TRANSPORTATION CORRIDOR
CANOGA ON-STREET/ BUSWAY ALTERNATIVE
CHATSWORTH METROLINK STATION
Option A and B

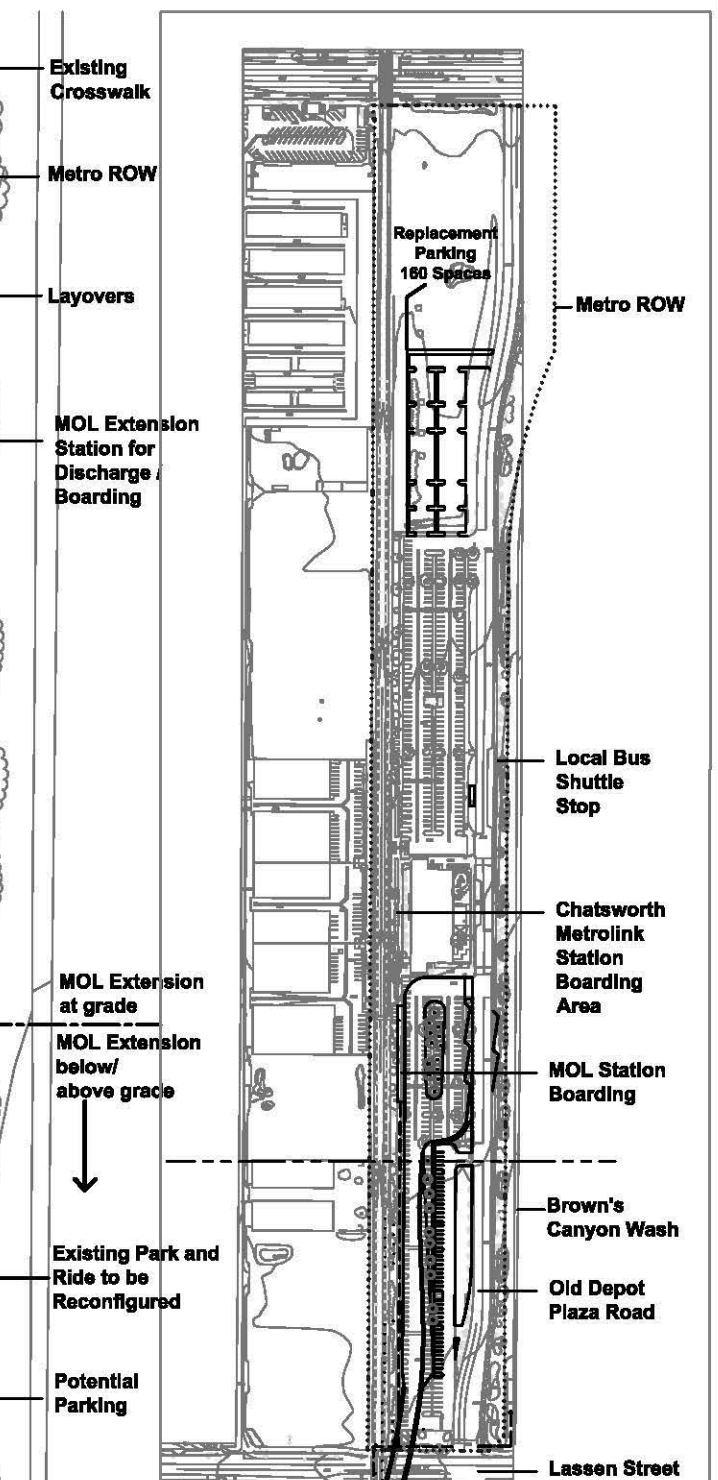
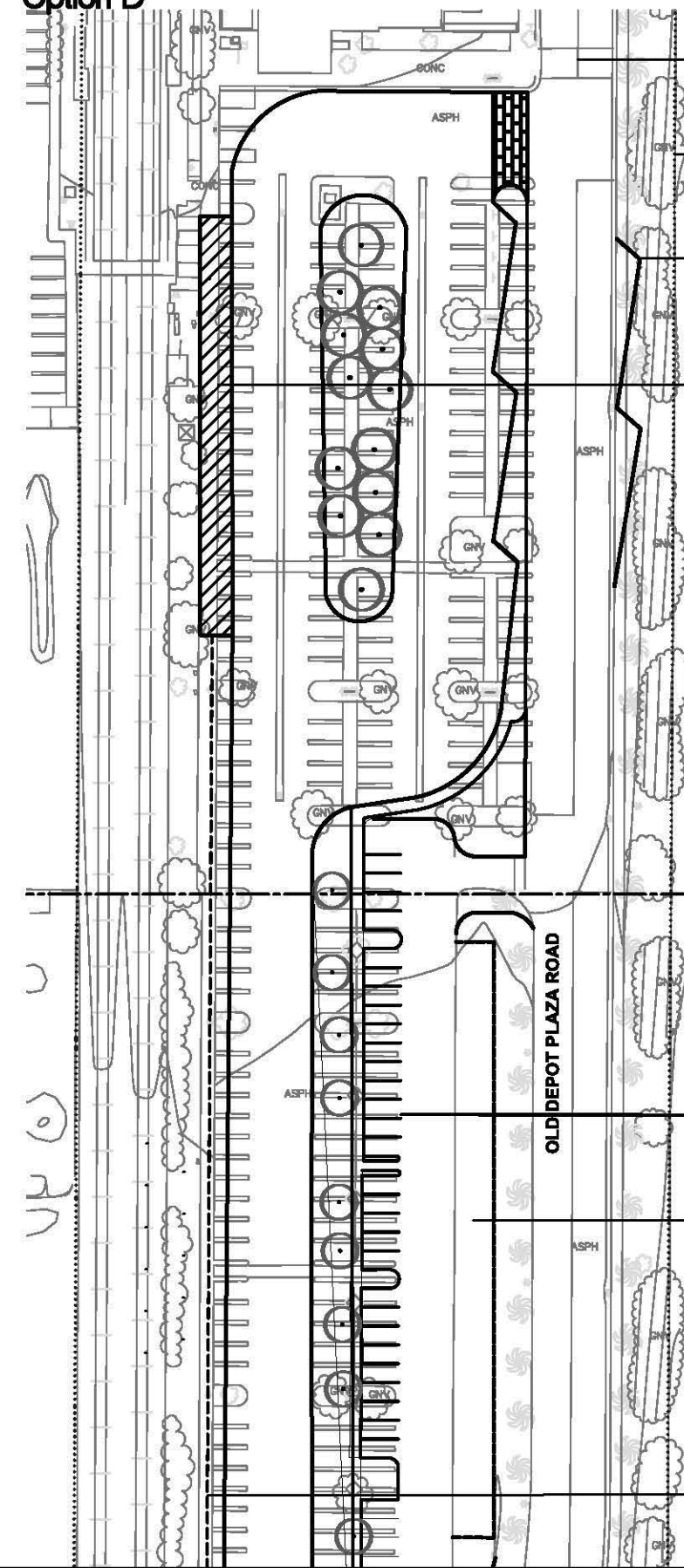
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INSET NO.	

Option C

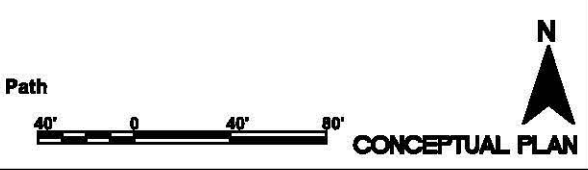


- Context Map**
- Aligns with busway/ bikeway located on west side of Railroad tracks
 - Requires land acquisition west of Railroad tracks
 - Accommodates 5 layovers

Option D



- Context Map**
- Turnaround when grade is separated at Lassen Street
 - Accommodates 3 layovers



REV	DATE	BY	APP.	DESCRIPTION

DESIGNED	EVC	02/03/08
DRAWN BY	MK	02/03/08
CHECKED	FG	02/04/08
DATE		02/18/08



Metropolitan Transportation Authority

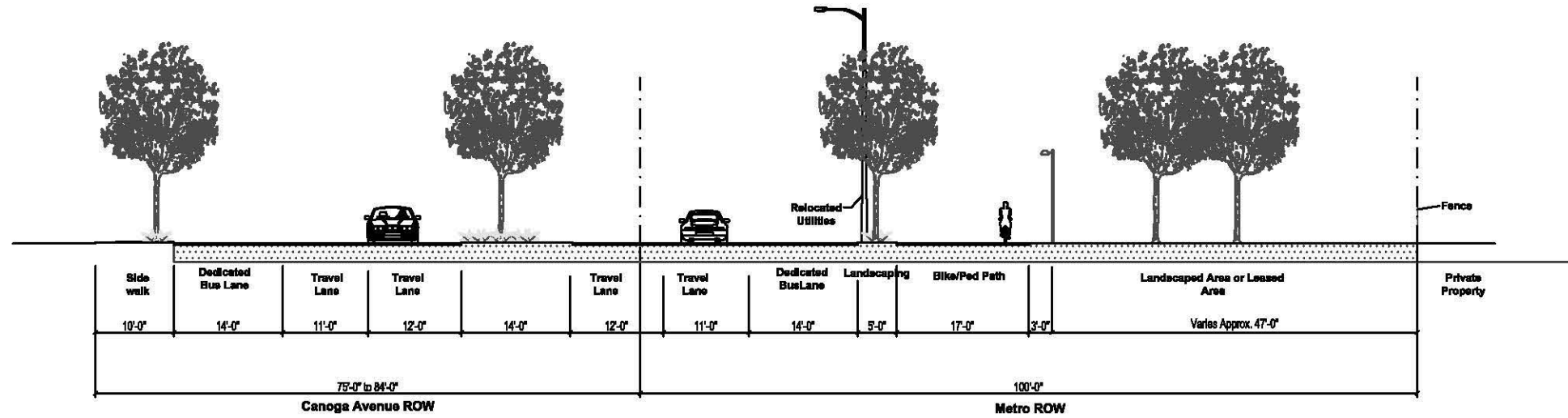
727 Wilshire Blvd., Suite 4010
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Phone: (213) 488-6300
Fax: (213) 488-6400

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS
6300 Van Vleet Blvd., Suite 200, Los Angeles, California 90048
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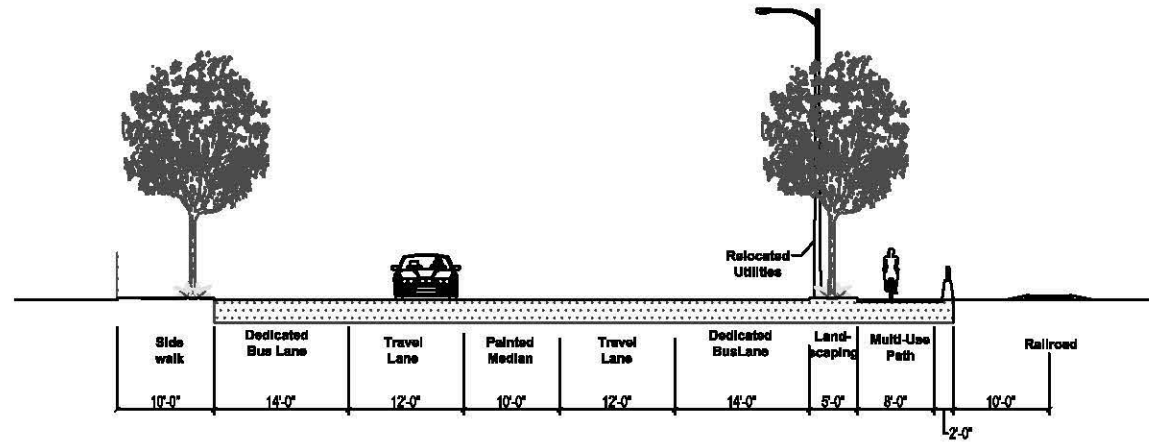
**CANOGA TRANSPORTATION CORRIDOR
CANOGA ON-STREET/ BUSWAY ALTERNATIVE
CHATSWORTH METROLINK STATION
Option C and D**

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DWG. NO.	UD-008
SCALE	T=40'
INSET NO.	

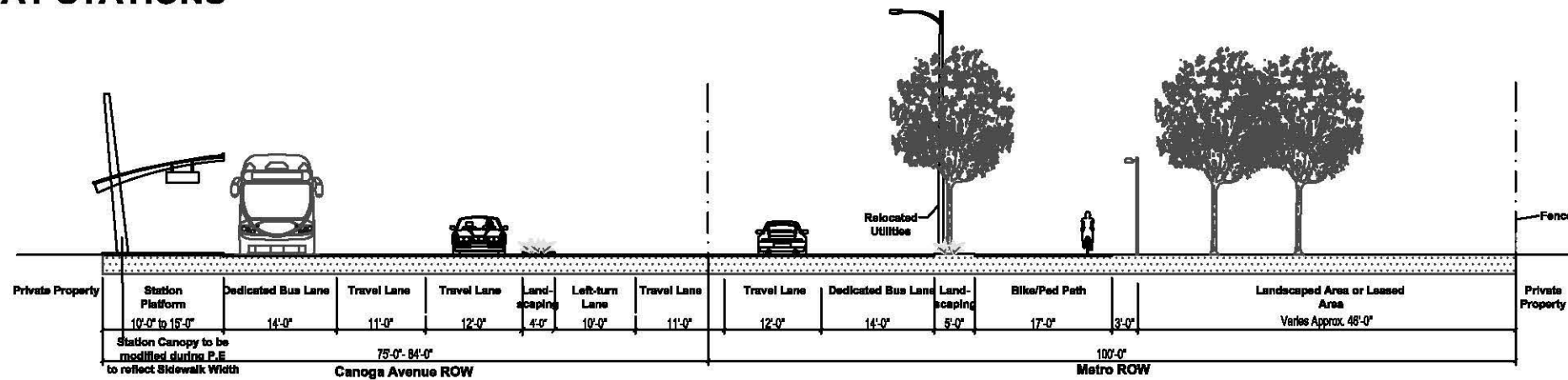
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FROM NORDHOFF STREET TO MARILLA STREET (MID-BLOCK)



AT STATIONS

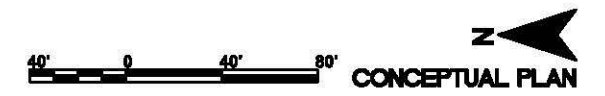
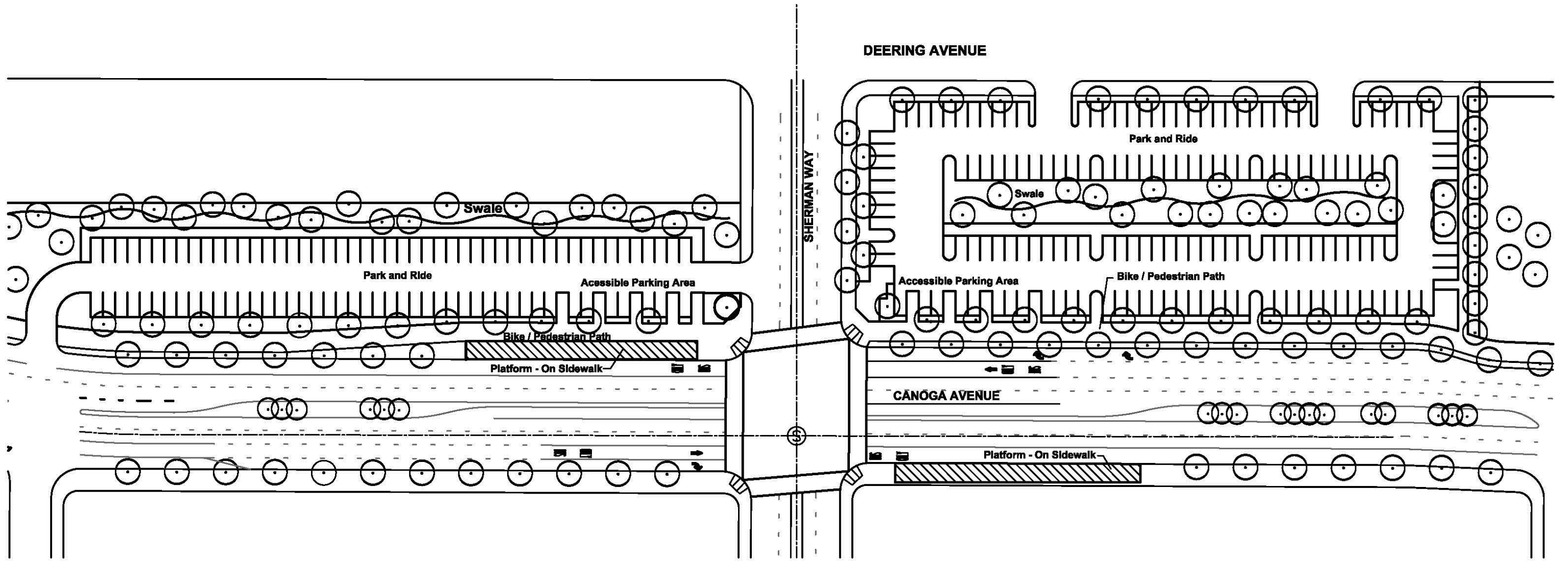


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REV	DATE	BY	APP.	DESCRIPTION

DESIGNED: EVC 02/03/08 DRAWN BY: MK 02/03/08 CHECKED: FG 02/04/08 DATE: 02/18/08	Metropolitan Transportation Authority 737 Wilshire Blvd., Suite 4010 Los Angeles, CA 90017-3610 Phone: (213) 488-6345 Fax: (213) 488-6440	GRUENASSOCIATES ARCHITECTURE PLANNING INTERIORS 6330 Vanowen Blvd., Suite 200, Los Angeles, California 90048 www.gruenassociates.com T 323 897 4570 F 323 897 4521
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CANOGA TRANSPORTATION CORRIDOR CANOGA ON-STREET DEDICATED BUS LANES ALTERNATIVE CROSS-SECTIONS		CONTRACT NUMBER: P843701952 SHEET NO.: UD-009 SCALE: 1"=10' SHEET NO.:
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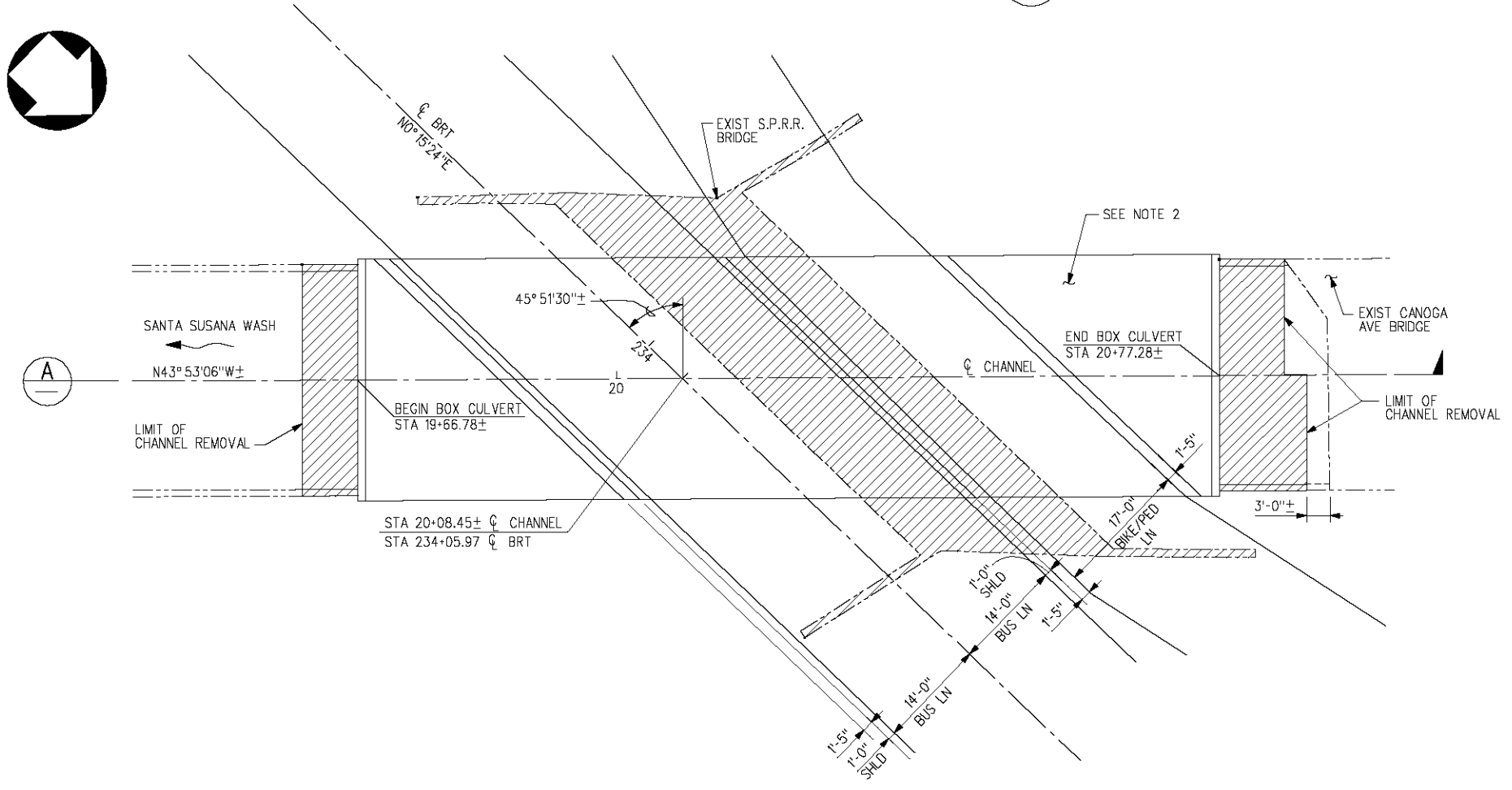
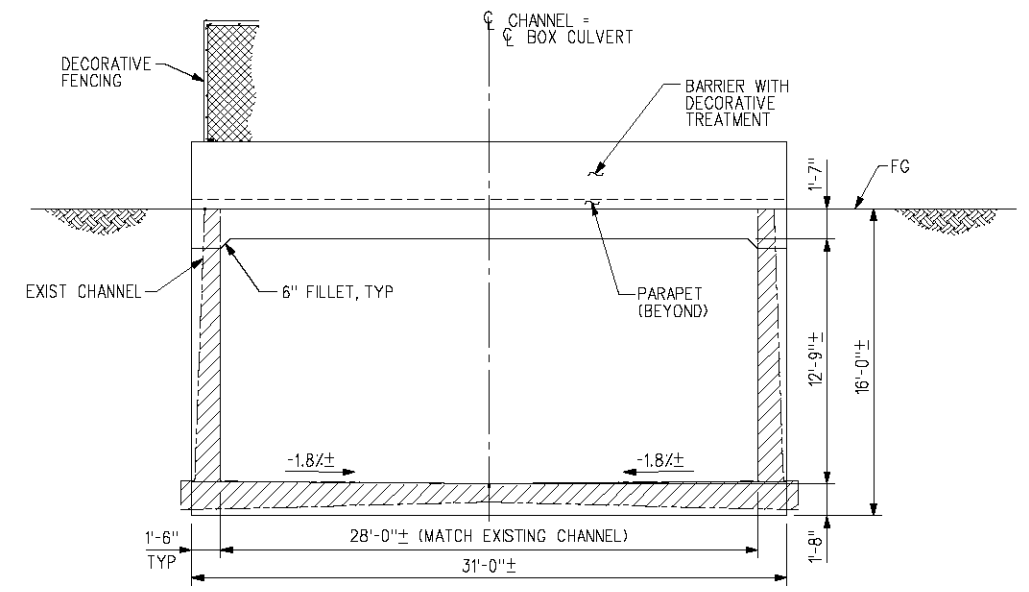
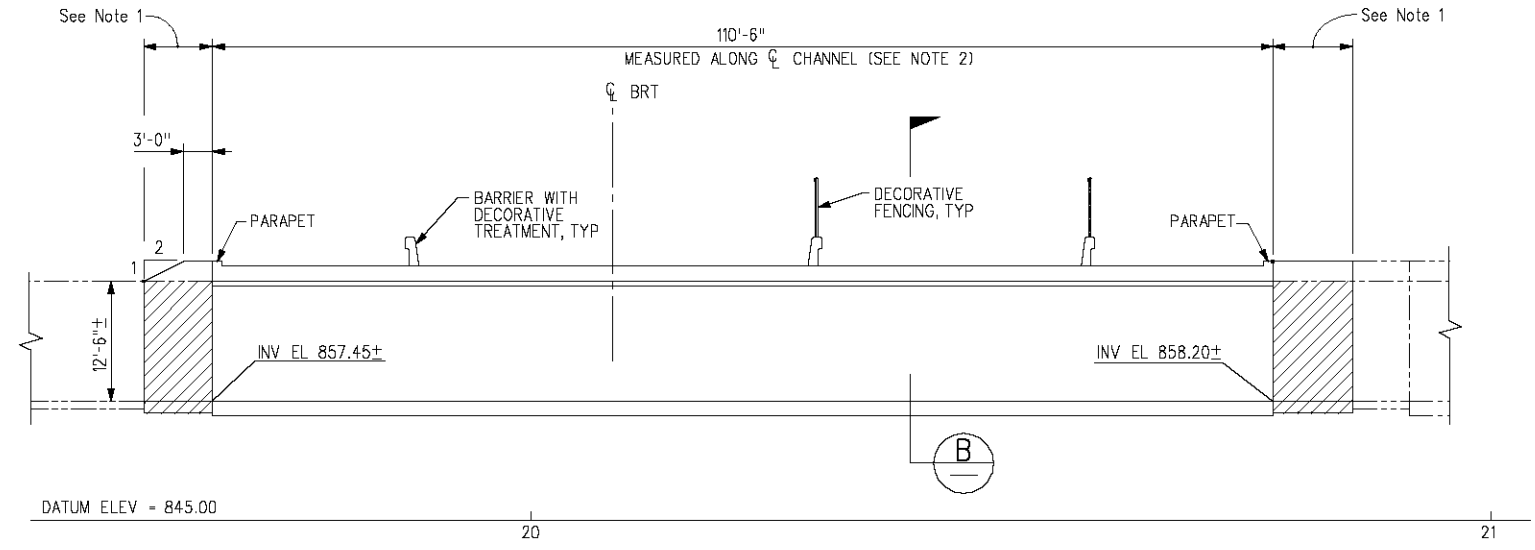
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DRAWN BY	MK	02/03/08
CHECKED	FG	02/04/08
DATE		02/18/08


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 6300 Van Vleet Blvd., Suite 200, Los Angeles, California 90048
 www.gruenassociates.com T 310 897 4070 F 310 897 4000

CANOGA TRANSPORTATION CORRIDOR
CANOGA ON-STREET DEDICATED
BUS LANES ALTERNATIVE
SHERMAN WAY STATION AND PARK-AND-RIDE

CONTRACT NUMBER	PG43701952
SHEET NO.	UD-011
SCALE	1"=40'
SHEET NO.	



SECTION
SCALE: 1"=5'-0"

LEGEND:
 ----- DENOTES EXISTING STRUCTURE
 [Hatched Area] LIMITS OF STRUCTURE REMOVAL

NOTES:
 1. RECONSTRUCT CHANNEL.
 2. CHANNEL REMOVAL AT LOCATION OF PROPOSED BOX CULVERT NOT SHOWN FOR CLARITY.

CONCEPTUAL PLAN
OF BUSWAY – ALTERNATIVE 4

S:\projects\2008\08-01\08-01-01\08-01-01-01.dwg, \$[username], \$[date]

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	M. PONCE	DATE	
DRAWN BY	J. WANG	DATE	
CHECKED	D. YEE	DATE	
DATE	02/18/08		

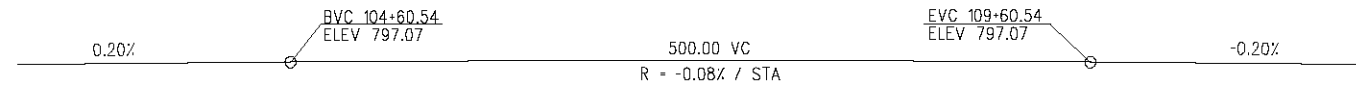
Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

DMJM HARRIS | AECOM

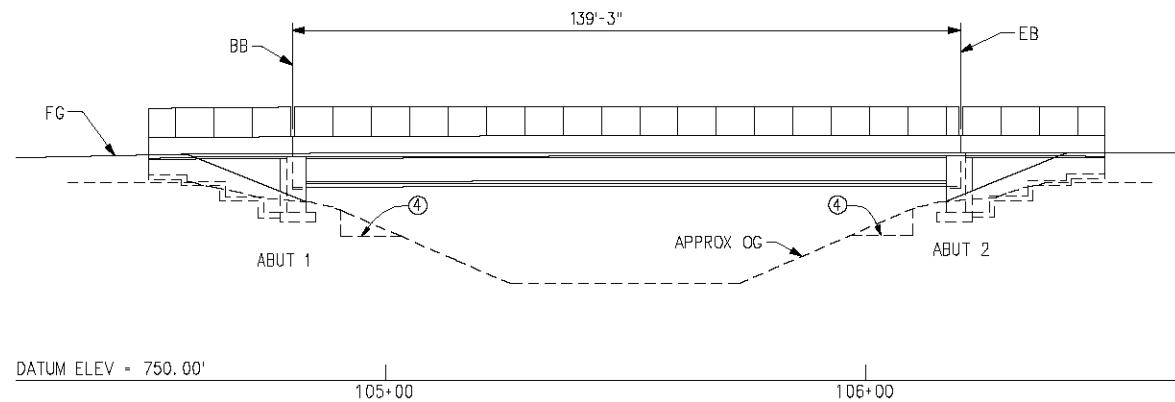
257 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-3910
Phone: (213) 488-6300
Fax: (213) 488-6400

515 SOUTH FLOWER STREET
LOS ANGELES, CALIFORNIA 90017
TEL (213) 593-8200
FAX (213) 593-8622

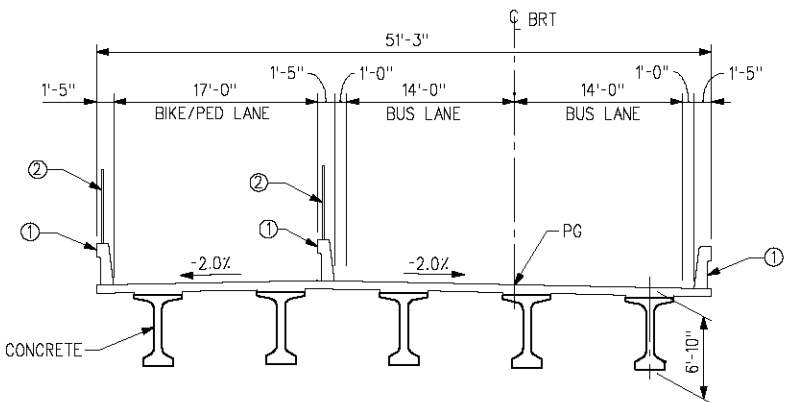
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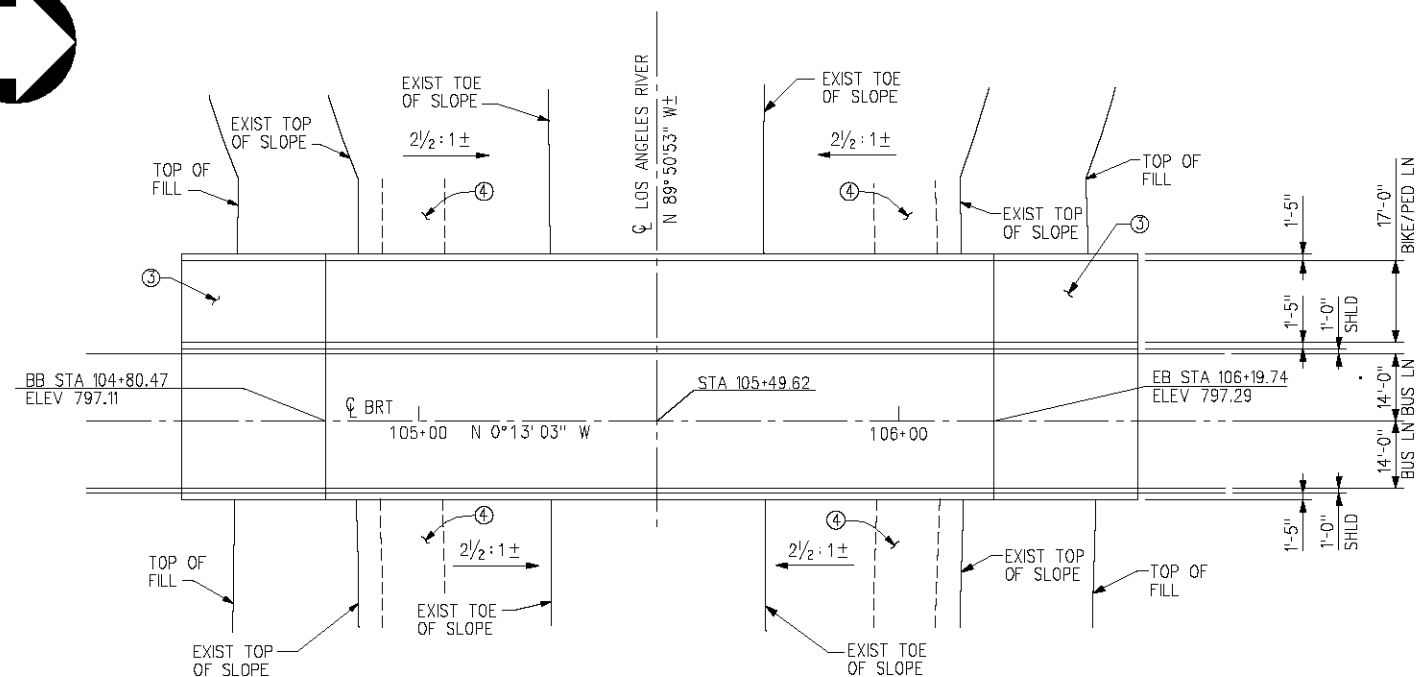
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ELEVATION
SCALE: 1"=20'



TYPICAL SECTION
SCALE: 1/8"=1'-0"



PLAN
SCALE: 1"=20'

- NOTES:**
- ① BARRIER WITH DECORATIVE TREATMENT
 - ② DECORATIVE FENCING
 - ③ STRUCTURE APPROACH
 - ④ FUTURE BIKEWAY BY OTHERS

CONCEPTUAL PLAN
OF BUSWAY – ALTERNATIVE 4

REV.	DATE	BY	APP.	DESCRIPTION

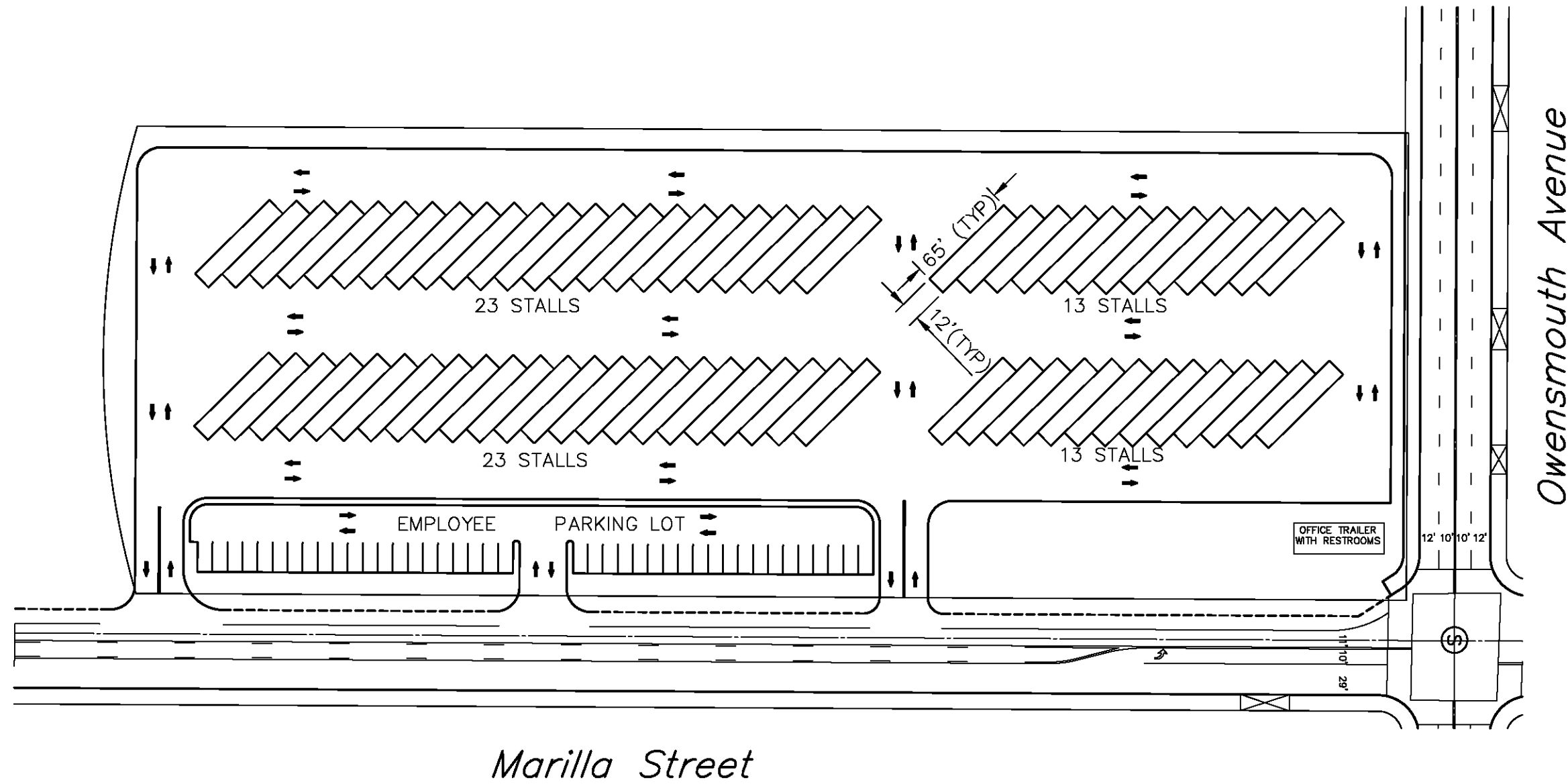
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DRAWN BY	J. WANG	DATE	
CHECKED	D. YEE	DATE	
DATE	02/18/08		

	LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
--	---

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--	--

CONTRACT NUMBER PS43701952	DWG. NO. S-002	REV.
SCALE AS NOTED		
SHEET NO. 		

LOS ANGELES RIVER BRIDGE GENERAL PLAN	
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Feb 14, 2008 11:00 AM CADD FILE: \\A:\2007\17-1843 Northern Concept Extension - Conceptual Drawings\CANOGA OPTION ON STREET ALT.dwg



CONCEPTUAL PLAN

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/18/08		

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Los Angeles, CA 90017-3910
Phone: (213) 488-0968 Fax: (213) 488-0460

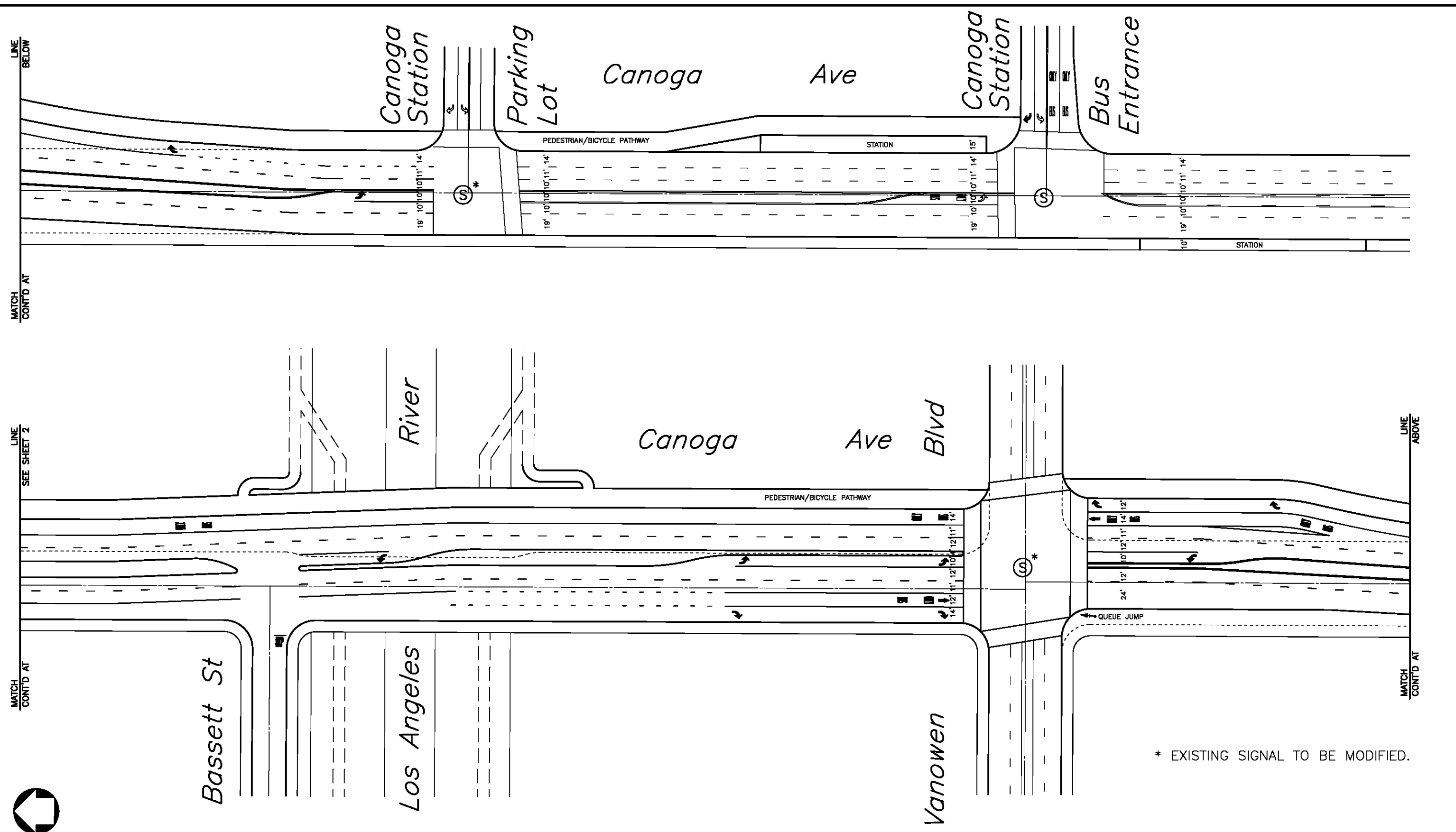
CANOGA TRANSPORTATION CORRIDOR

FACILITIES

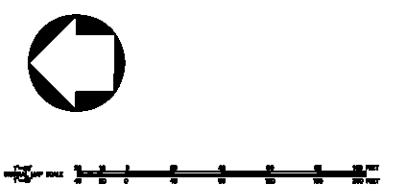
BUS PARKING LOT LAYOUT

CONTRACT NUMBER	PS43701952
DWG. NO.	OM-001
SCALE	
SHEET NO.	

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* EXISTING SIGNAL TO BE MODIFIED.



CONCEPTUAL PLAN

SHEET 1 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATIERRA	DATE	02/08
DRAWN BY	I. SALVATIERRA	DATE	02/08
CHECKED	K. DENDRAN	DATE	02/08
DATE			02/18/08

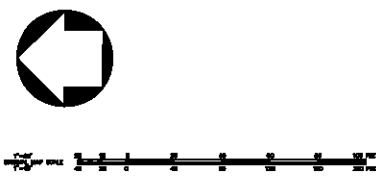
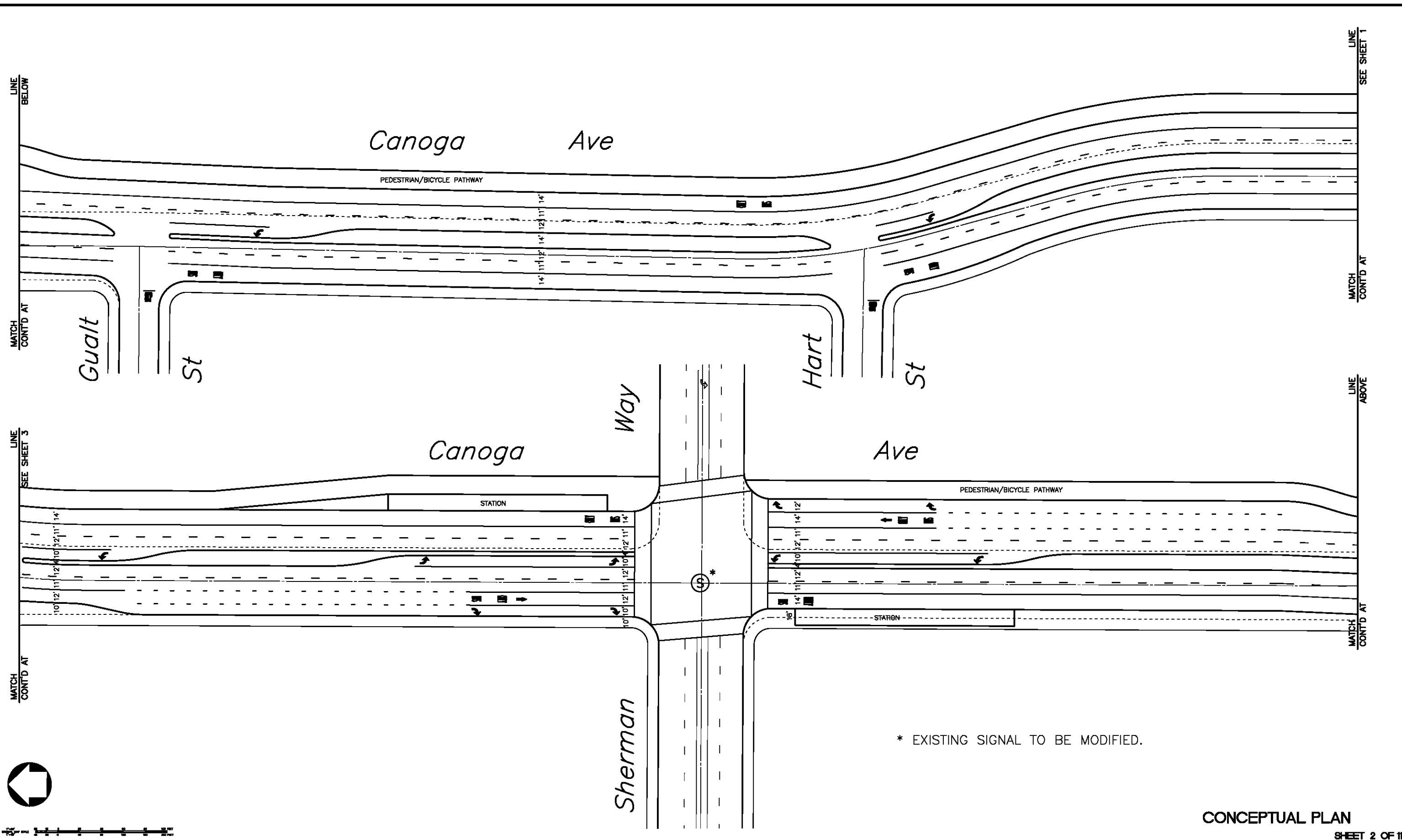
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS 707 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-3910
Phone: (213) 488-0948
Fax: (213) 488-0440

**CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
CANOGA STATION TO BASSETT ST**

CONTRACT NUMBER	PS43701952
DWG. NO.	88-001
SCALE	1" = 80'
SHEET NO.	

Feb 14, 2008 M:\CADD\FILE: M:\2007\A17-1843 Northern Canoga Extension - Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg



CONCEPTUAL PLAN

SHEET 2 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/18/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

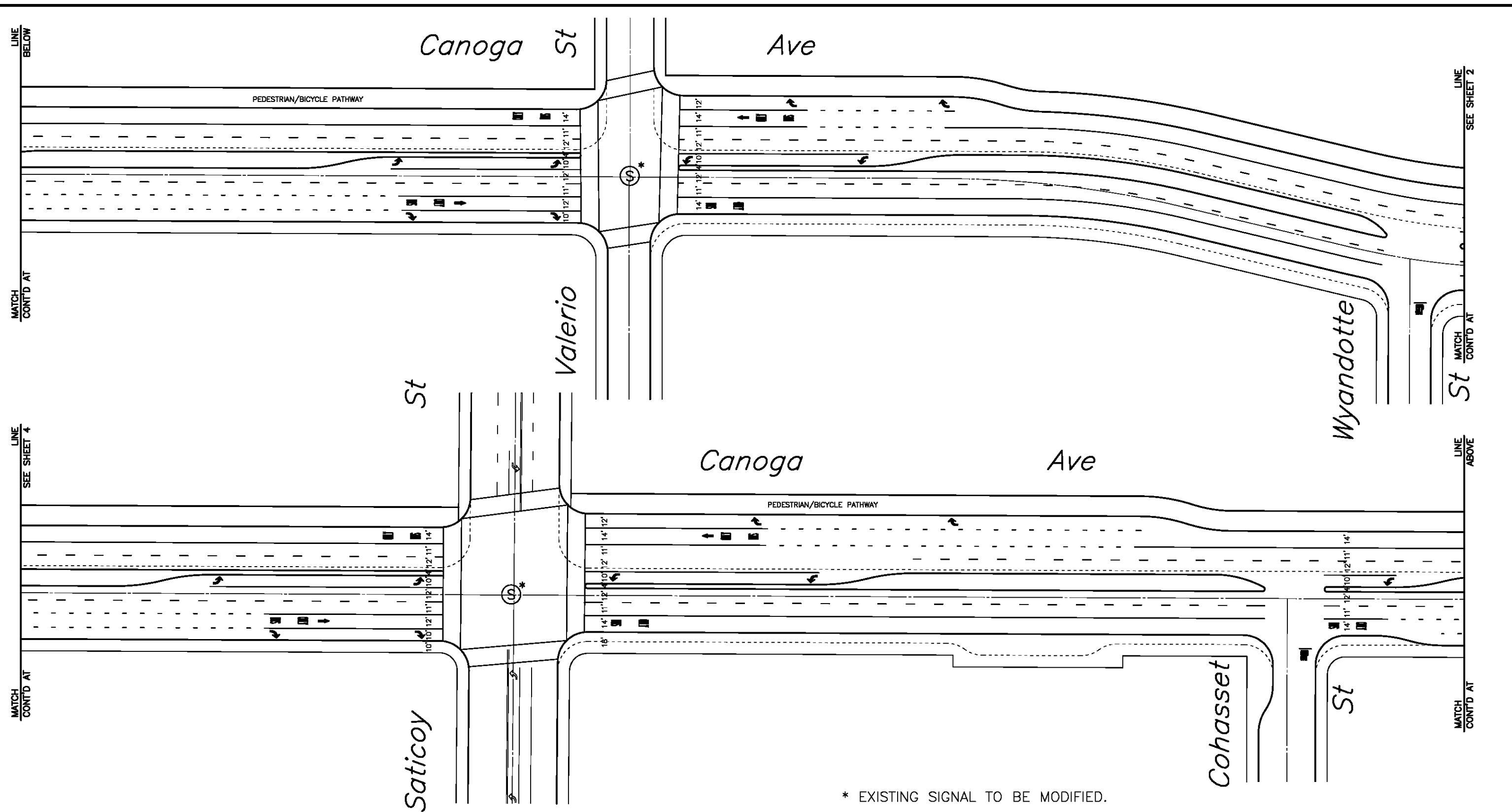
ITERIS

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 Los Angeles, CA 90017-3910
 Phone: (213) 488-0968
 Fax: (213) 488-0460

**CANOGA TRANSPORTATION CORRIDOR
 ON-STREET BUS ALTERNATIVE
 CONCEPTUAL STRIPING PLAN
 CANOGA AVENUE
 BASSETT ST TO WYANDOTTE ST**

CONTRACT NUMBER	PS43701952
DWG. NO.	SS-002
SCALE	1" = 80'
SHEET NO.	

Feb. 14, 2008 M1_CADD_FILE: M:\2007A\07-1843_Northern_Canoga_Extension - Conceptual\CAD\Conceptual_Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg



* EXISTING SIGNAL TO BE MODIFIED.

CONCEPTUAL PLAN

SHEET 3 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATERRA	DATE	02/08
DRAWN BY	I. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/16/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

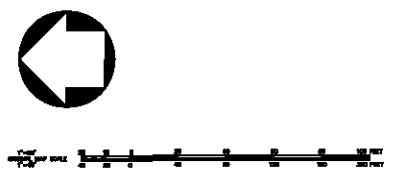
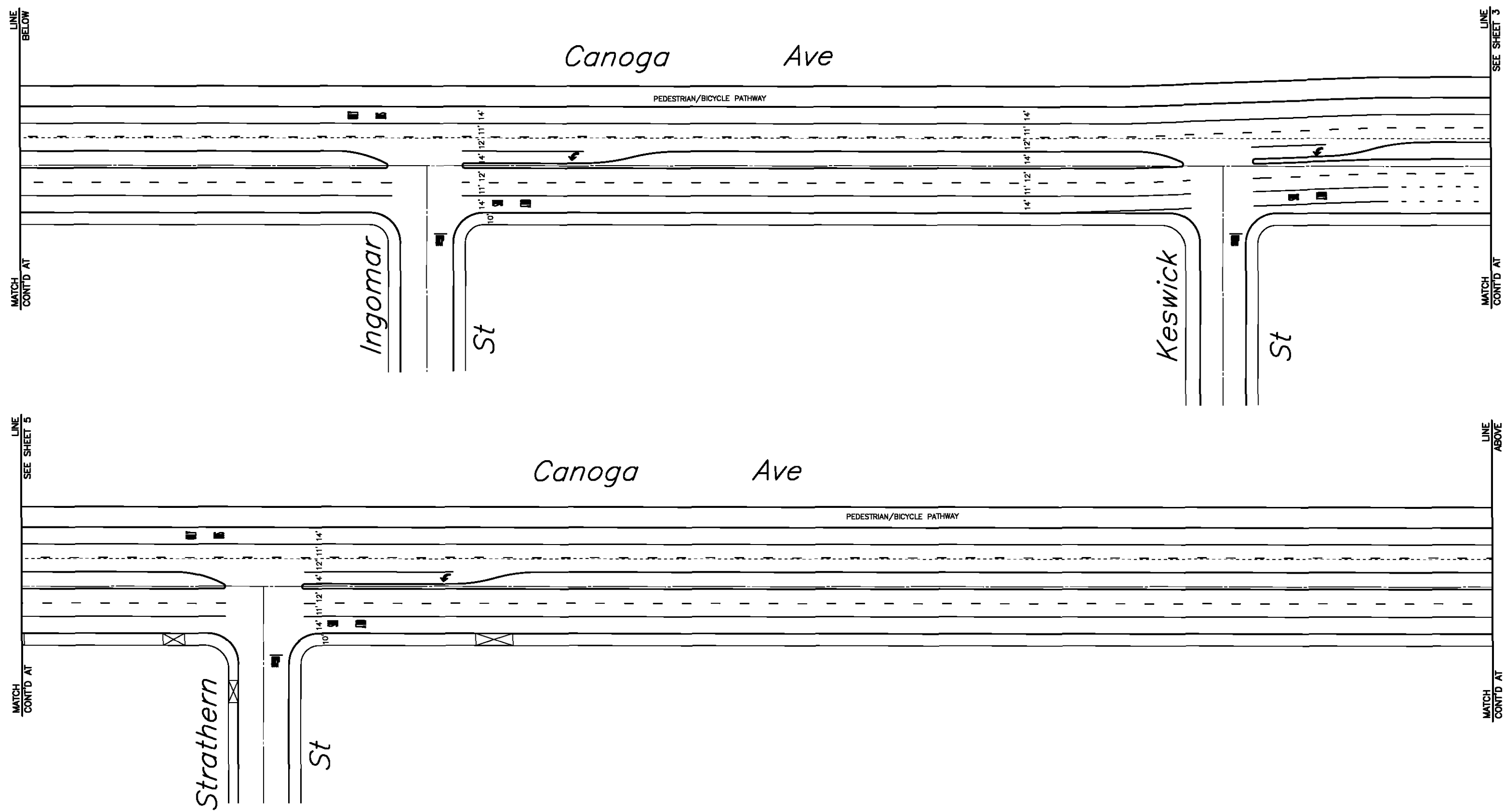
ITERIS CONSULTING

707 Wilshire Blvd, Suite 4810
Los Angeles, CA 90017-3810
Phone: (213) 488-0946
Fax: (213) 488-8440

CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
WYANDOTTE ST TO KEBWICK ST

CONTRACT NUMBER	P843701952
DWG. NO.	SS-003
SCALE	1" = 80'
SHEET NO.	

02-14-2008 M:\CADD FILES\14-2007\037-1643 Metrolink Canoga Extension - Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALI.dwg



Canoga Ave

Canoga Ave

Ingomar St

St

Keswick St

St

Strathern St

St

CONCEPTUAL PLAN

SHEET 4 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATERRA	DATE	02/08
DRAWN BY	I. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/16/08		

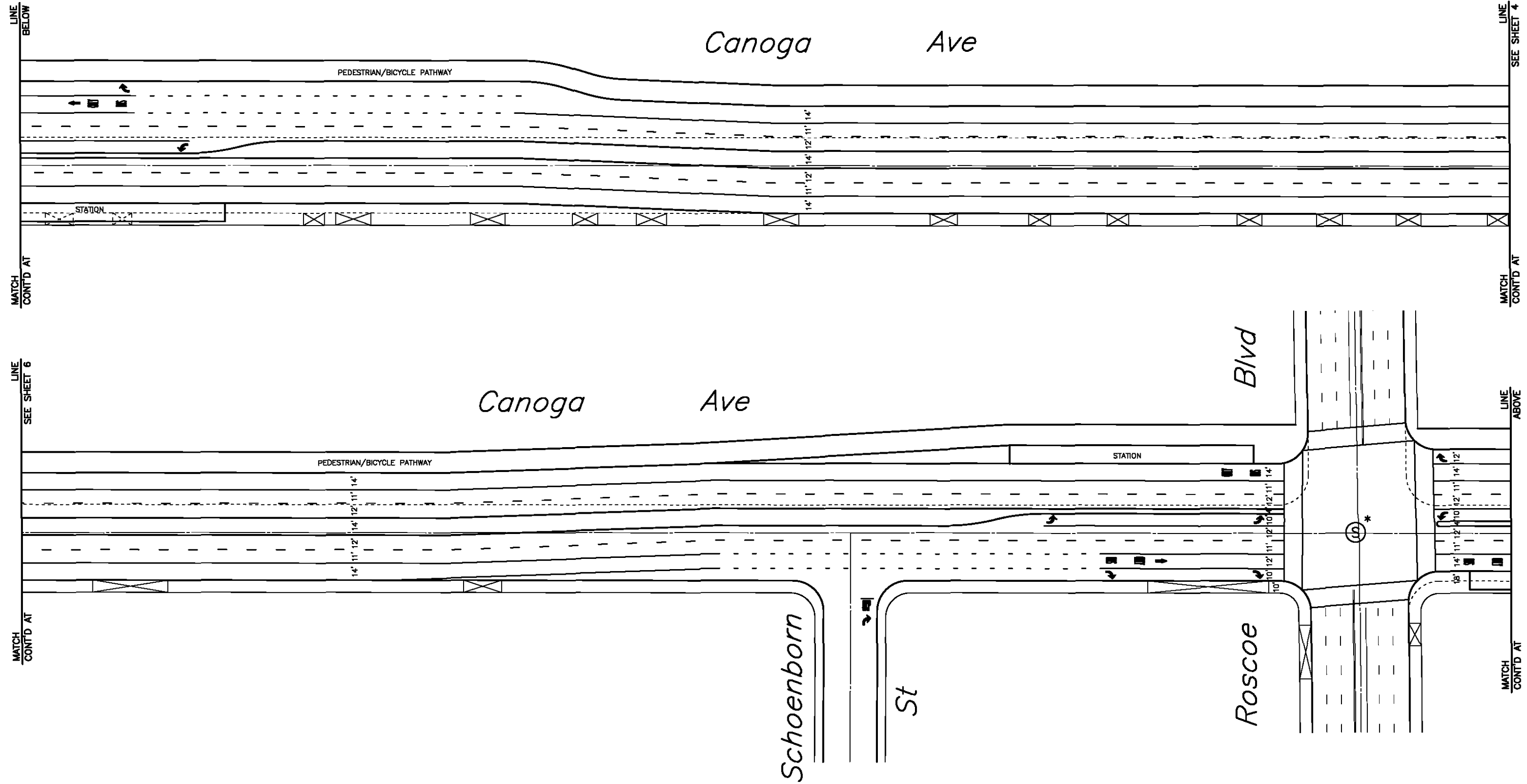

Metro
 LOS ANGELES COUNTY METROPOLITAN
 TRANSPORTATION AUTHORITY


ITERIS
707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3610
 Phone: (213) 465-2945
 Fax: (213) 465-0440

CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
KESWICK ST TO STRATHERN ST

CONTRACT NUMBER	PS43701952
DWG. NO.	SS-004
SCALE	1" = 80'
SHEET NO.	

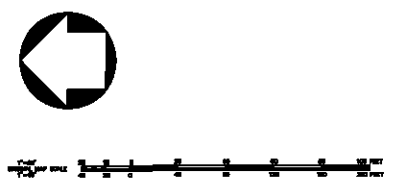
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* EXISTING SIGNAL TO BE MODIFIED.

CONCEPTUAL PLAN

SHEET 5 OF 11



REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATIERRA	DATE	02/08
DRAWN BY	I. SALVATIERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/16/08		

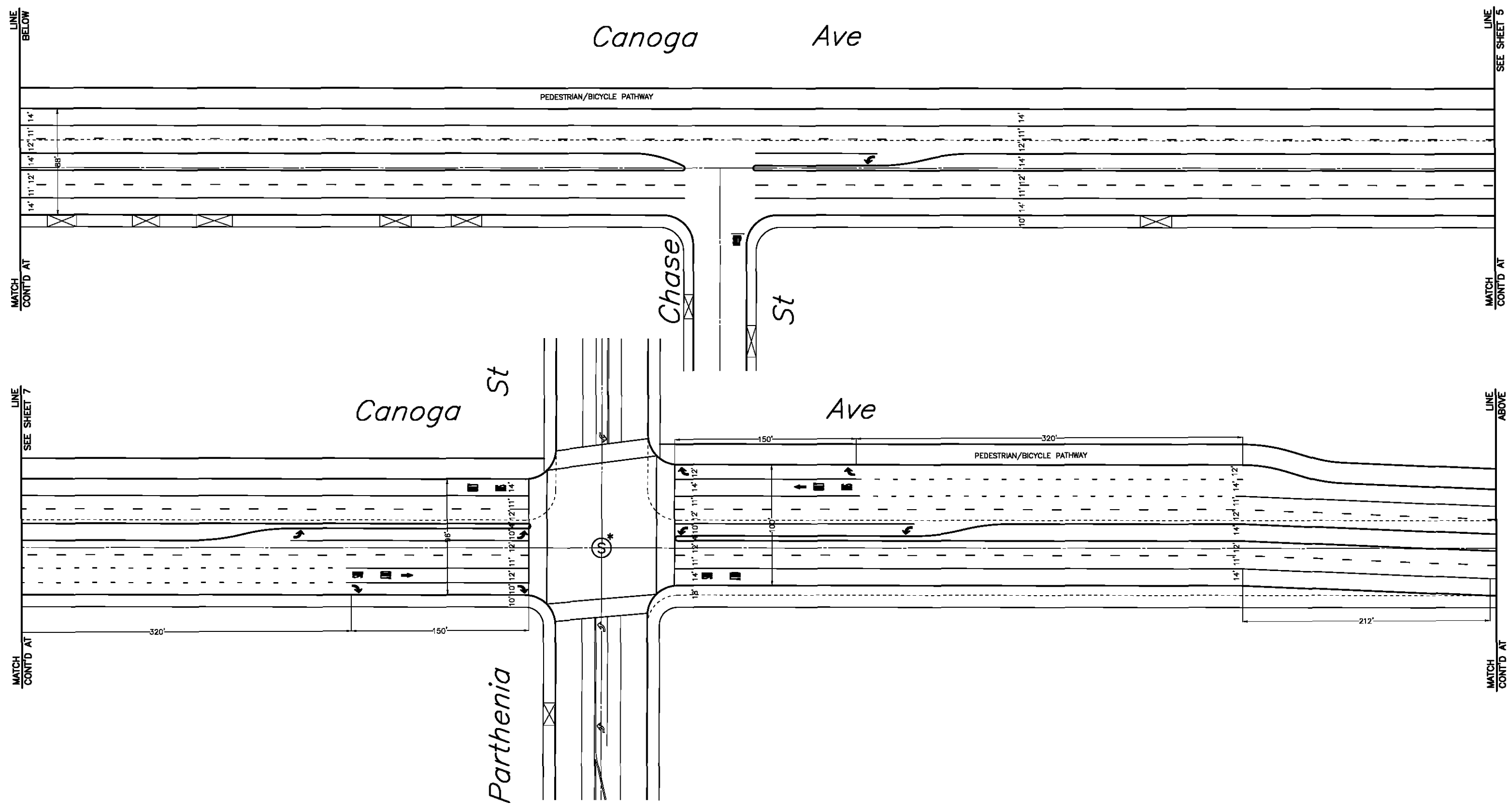

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4810
 Los Angeles, CA 90017-3910
 Phone: (213) 465-2943
 Fax: (213) 468-0440

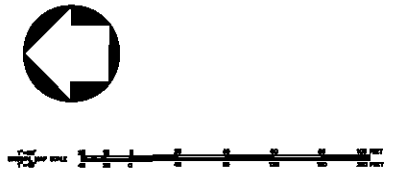
CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
STRATHERN ST TO CHASE ST

CONTRACT NUMBER	PS43701852
DWG. NO.	88-005
SCALE	1" = 80'
SHEET NO.	

14_2008_M_CADD_FILE_M:\2007\07-1643_Markham_Canoga_Extension - OpenOffice\CAO\Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALTERNATIVE



* EXISTING SIGNAL TO BE MODIFIED.



CONCEPTUAL PLAN

SHEET 6 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATIERRA	DATE	02/08
DRAWN BY	I. SALVATIERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/16/08		

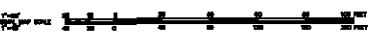
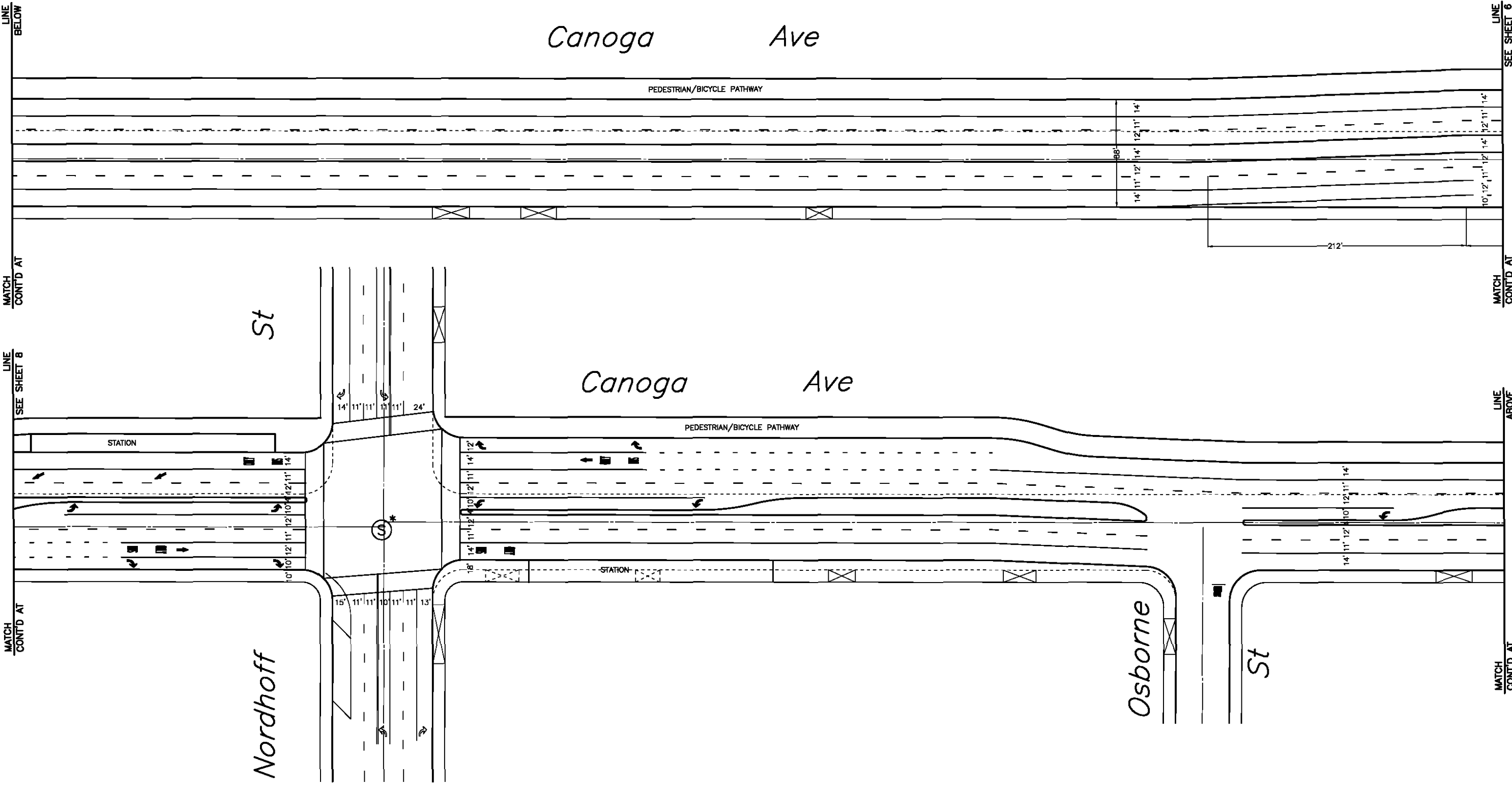

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 465-2943
 Fax: (213) 468-0440

CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
CHASE ST TO PARTHENIA ST

CONTRACT NUMBER	PS43701852
DWG. NO.	88-006
SCALE	1" = 80'
SHEET NO.	

14, 2008 M: CADD FILE: \\s2007\07-1643\Northam_Canoga_Extension - Overlaid\CAO\Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg



* EXISTING SIGNAL TO BE MODIFIED.

CONCEPTUAL PLAN

SHEET 7 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	I. SALVATIERRA	DATE	02/08
DRAWN BY	I. SALVATIERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/16/08		

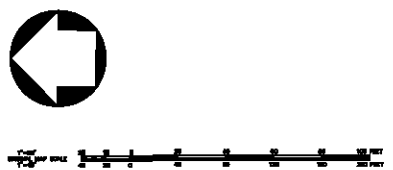
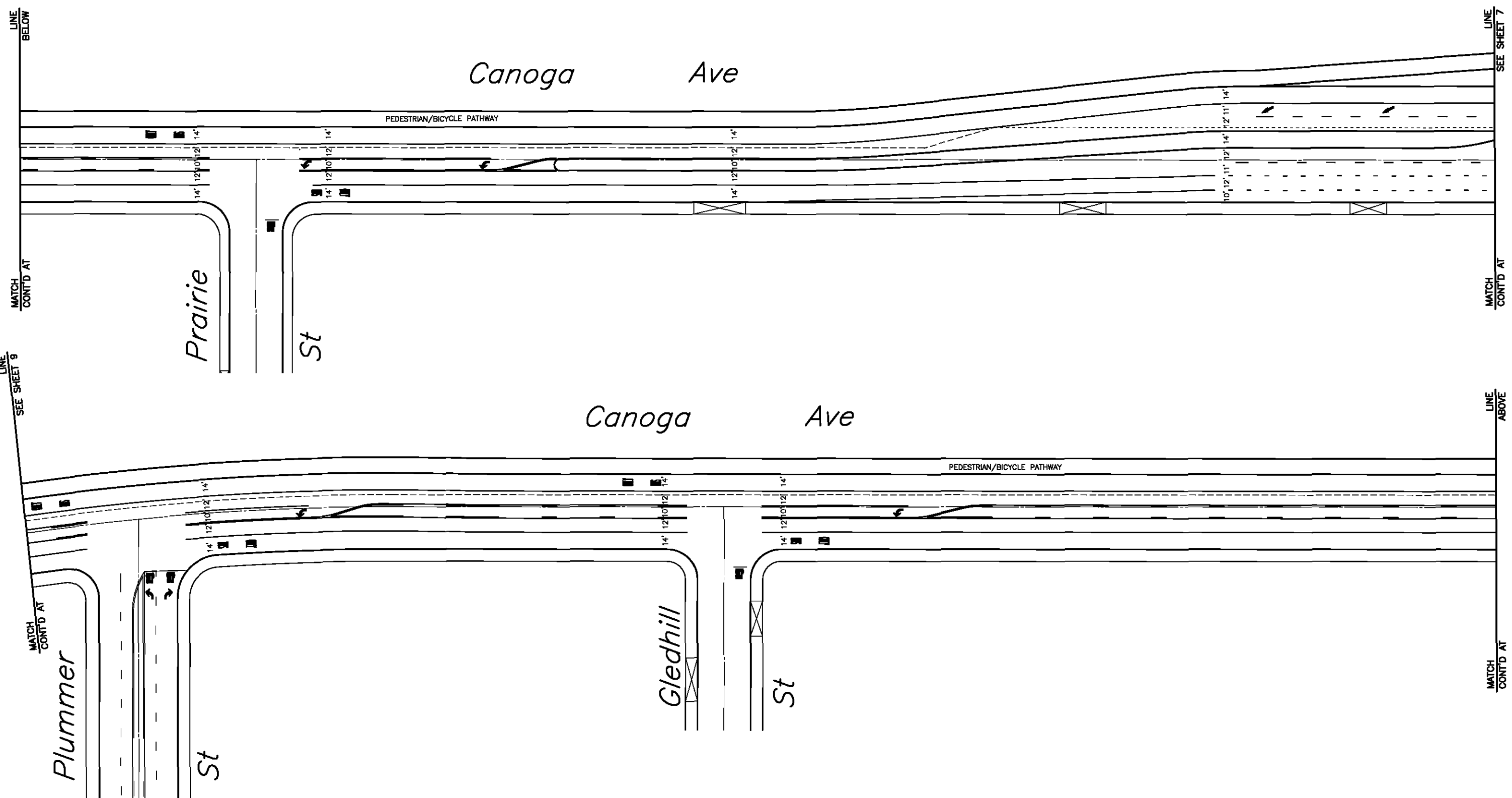

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 465-2943
 Fax: (213) 465-0440

CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
CANOGA AVENUE
PARTHENIA ST TO NORDHOFF ST

CONTRACT NUMBER	PS43701852
DWG. NO.	88-007
SCALE	1" = 80'
SHEET NO.	

14, 2008 M: CADD FILE: \\s2007\07-1643\Highway_Canoga_Extension - Overpass\CAO\Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg



CONCEPTUAL PLAN
 SHEET 8 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED I. SALVATIERRA	DATE 02/08
DRAWN BY I. SALVATIERRA	DATE 02/08
CHECKED K. DERDERIAN	DATE 02/08
DATE 02/16/08	

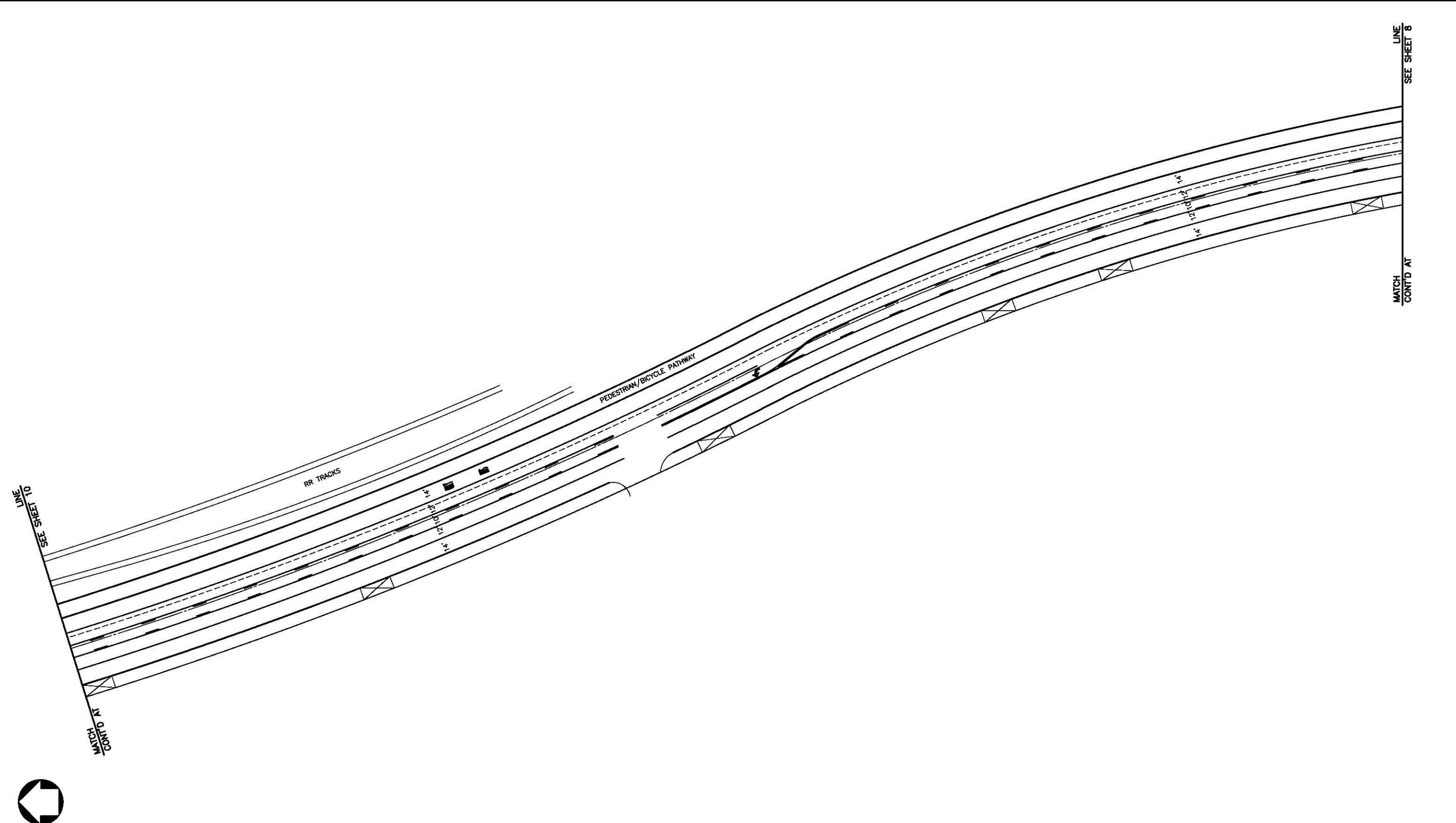

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY


 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 465-2943
 Fax: (213) 465-0440

**CANOGA TRANSPORTATION CORRIDOR
 ON-STREET BUS ALTERNATIVE
 CONCEPTUAL STRIPING PLAN
 CANOGA AVENUE
 NORDHOFF ST TO PLUMMER ST**

CONTRACT NUMBER PS43701952
DWG. NO. SS-008
SCALE 1" = 80'
SHEET NO.

Feb 14, 2008 M:\CADD\FILE: M:\2007\07-1843_Northern_Canoga_Extension - Conceptual_Drawings\Canoga_Conceptual_Drawing\ON-STREET_ALT.dwg



CONCEPTUAL PLAN

SHEET 9 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATIERRA	DATE	02/08
DRAWN BY	L. SALVATIERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE			02/18/08

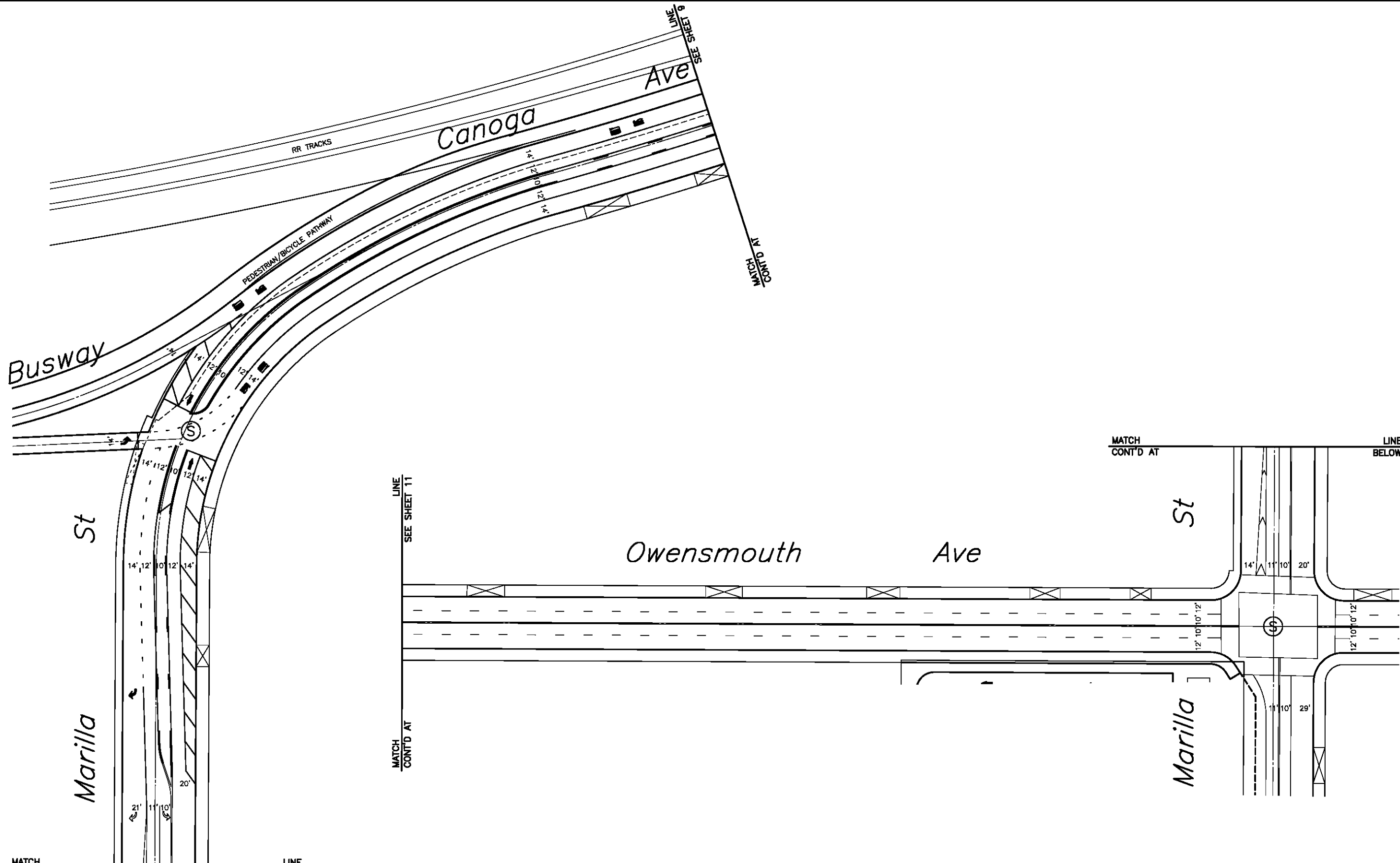
M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS INCORPORATED

707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 488-0968
 Fax: (213) 488-0460

**CANOGA TRANSPORTATION CORRIDOR
 ON-STREET BUS ALTERNATIVE
 CONCEPTUAL STRIPING PLAN
 CANOGA AVENUE
 PLUMMER ST TO MARILLA ST**

CONTRACT NUMBER	PS43701952
DWG. NO.	SS-009
SCALE	1" = 80'
SHEET NO.	



Feb 14, 2008 M:\CADD\FILE: M:\2007\107-1843 Northern Canoga Extension - Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg
 REV. DATE BY APP. DESCRIPTION



MATCH CONT'D AT LINE ABOVE

MATCH CONT'D AT LINE BELOW

MATCH CONT'D AT LINE 11 SEE SHEET 11

MATCH CONT'D AT LINE 9 SEE SHEET 9

CONCEPTUAL PLAN

SHEET 10 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE			02/18/08

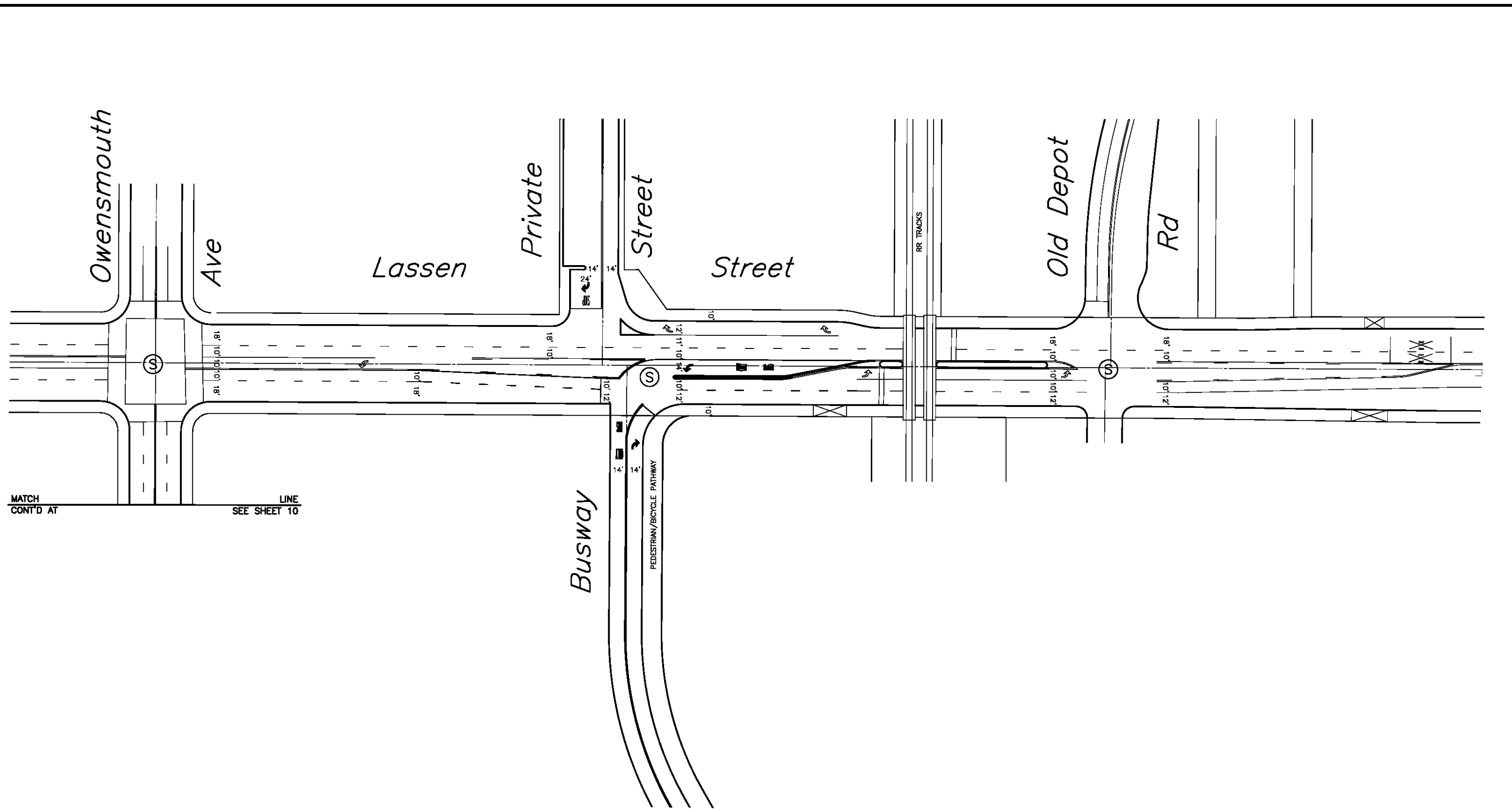

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

 707 Wilshire Blvd, Suite 4010
 Los Angeles, CA 90017-3910
 Phone: (213) 488-0968
 Fax: (213) 488-0460

CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN
MARILLA ST/OWENSMOUTH AVE
CANOGA AVE TO LASSEN ST

CONTRACT NUMBER	PS43701952
DWG. NO.	SS-010
SCALE	1" = 80'
SHEET NO.	

Feb 14, 2008 M:\CADD\FILE: M:\2007\17-1843 Northern Canoga Extension - Canoga\Conceptual Drawings\CANOGA_OPTION_ON-STREET_ALT.dwg



MATCH CONT'D AT _____ LINE SEE SHEET 10



CONCEPTUAL PLAN

SHEET 11 OF 11

REV.	DATE	BY	APP.	DESCRIPTION

DESIGNED	L. SALVATERRA	DATE	02/08
DRAWN BY	L. SALVATERRA	DATE	02/08
CHECKED	K. DERDERIAN	DATE	02/08
DATE	02/18/08		

M Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

ITERIS Engineering & Construction

707 Wilshire Blvd, Suite 4010
Los Angeles, CA 90017-3910
Phone: (213) 488-0965
Fax: (213) 488-0460

**CANOGA TRANSPORTATION CORRIDOR
ON-STREET BUS ALTERNATIVE
CONCEPTUAL STRIPING PLAN**

**LASSEN STREET
OWENSMOUTH AVE TO OLD DEPOT RD**

CONTRACT NUMBER	PS43701952
DWG. NO.	88-011
SCALE	1" = 80'
SHEET NO.	